



STAPPERT

STAPPERT | NEDERLAND



# HET INTELLIGENTE ROESTVAST STAAL PROGRAMMA



Roestvaste, hoog corrosievaste en  
hittebestendige materialen



## Een materiaal schrijft geschiedenis.

Reeds aan het eind van de 19e eeuw ontdekten men dat het corrosiegedrag van staal zich door toevoeging van nikkel en chroom duidelijk laat optimaliseren. Echter pas in 1912 werd door het patent op 'roestvast staal' door de firma Krupp de grondsteen voor de industriële productie van roestvast staal gelegd. Vooral sinds de 50-er jaren heeft dit materiaal een enorme opmars ondergaan. Sinds 1958 is de aanduiding 'Roestvast Staal' een geregistreerd handelsmerk. De betekenis van het materiaal roestvast staal blijft ononderbroken hoog. Zo is de wereld jaarproductie alleen al tussen het jaar 2000(ca. 18 mio ton) en 2012(ca. 34 mio ton) bijna verdubbeld.

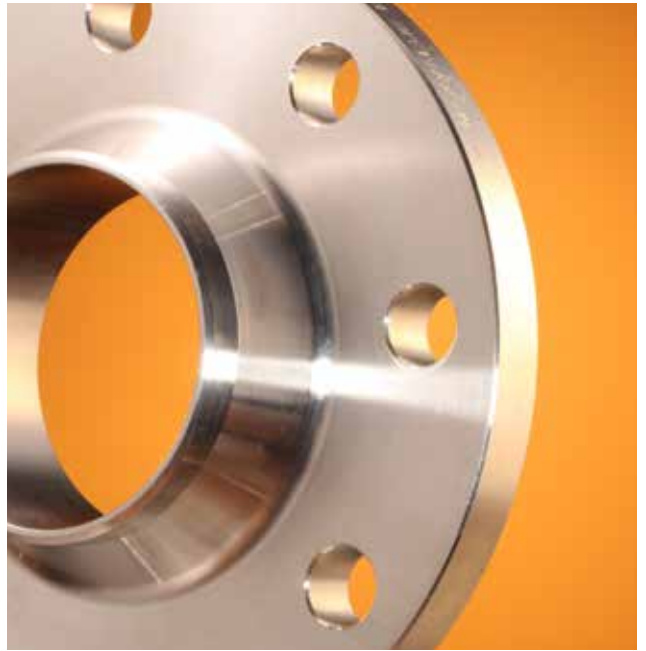
# Wij hebben een grote voorraad voor u beschikbaar.

Als het om roestvast, hoog corrosie- en hittebestendig staal gaat, is STAPPERT uw eerste keuze. U bent bij ons aan het goede adres voor rondstaf, machinepijp, platstaf, spieënstaal, vier- of zeskantstaf. Ons uitgebreide assortiment omvat verder buizen en buisaccessoires, profielen, hoekprofielen en platen.

Sinds 2011 hebben wij ons onder de paraplu van de Jacquet Metal Service Group als merk STAPPERT opnieuw voorgesteld. Voordeel voor u: grotere productkeuze, verbeterde service en een duidelijke focus op lange roestvast staal producten. Vandaag de dag is STAPPERT in 11 landen vertegenwoordigd.

Grote beschikbaarheid en constante kwaliteit hebben bij STAPPERT de hoogste prioriteit. Zo hebben onze klanten toegang tot een even veelzijdig als doordacht assortiment van ca. 15.000 roestvaststalen producten. Alles uit voorraad- van standaardproducten tot speciale legeringen voor bijzondere corrosieomstandigheden. Voor onze klanten betekent dit: hoge dekkinggraad op productniveau gerelateerd aan een hoog serviceniveau bij korte doorlooptijden.

Onze nieuwe productcatalogus geeft u een ruim overzicht van ons aanbod. Heeft u een speciale afmeting nodig, aanvullende keur, monsterstukjes of heeft u vragen over onze producten? Geen probleem, onze productspecialisten adviseren u graag.



# Inhoudsopgave

## Staven

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|   |           |
|---|-----------|
| <b>1. Rondstaf   warmvervaardigd</b>                                      | <b>8</b>  |
| Roestvast staal   | 10        |
| Hoog corrosievast staal   | 16        |
| Hittebestendig/hoog warmvast staal  | 18        |
| Duplex en Super Duplex  | 20        |
| <b>2. Vierkant- en zeskantstaf   warmvervaardigd</b>                      | <b>24</b> |
| <b>Vierkant- en zeskanstaf   warmvervaardigd</b>                          | <b>26</b> |
| Roestvast staal   | 26        |
| Hoog corrosievast staal   | 27        |
| Hittebestendig staal  | 28        |
| Duplex stalen   | 28        |
| <b>Zeskantstaf   warmvervaardigd</b>                                      | <b>29</b> |
| Roestvast staal   | 29        |
| <b>3. Platstaf   warmvervaardigd resp. uit plaat of band geproduceerd</b> | <b>30</b> |
| <b>Warmvervaardigd</b>  | <b>32</b> |
| Roestvast staal   | 32        |
| Hittebestendig staal  | 39        |
| <b>Uit plaat of band geproduceerd</b>                                     | <b>44</b> |
| Roestvast staal   | 44        |
| <b>4. Spieënstaal</b>   | <b>48</b> |
| Roestvast staal   | 50        |
| <b>5. Rondstaf   koudvervaardigd</b>                                      | <b>52</b> |
| Roestvast staal   | 54        |
| Hittebestendig/hoog warmvast staal  | 58        |
| Duplex stalen   | 59        |
| <b>6. Rond- en zeskantstaf   verbeterde verspaanbaarheid</b>              | <b>60</b> |
| <b>Rondstaf   warmvervaardigd   verbeterde verspaanbaarheid</b>           | <b>62</b> |
| Roestvast staal   | 63        |
| <b>Rondstaf   koudvervaardigd   verbeterde verspaanbaarheid</b>           | <b>64</b> |
| Roestvast staal   | 64        |
| <b>Zeskantstaf   koudvervaardigd   verbeterde verspaanbaarheid</b>        | <b>65</b> |
| Roestvast staal   | 65        |
| <b>7. Vierkant- en zeskantstaf   koudvervaardigd</b>                      | <b>66</b> |
| <b>Vierkantstaf</b>   | <b>68</b> |
| Roestvast staal   | 68        |
| <b>Zeskantstaf</b>  | <b>69</b> |
| Roestvast staal   | 69        |
| Hoog corrosievast staal   | 70        |
| Hittebestendig staal  | 71        |
| <b>8. Platstaf   koudvervaardigd</b>                                      | <b>72</b> |
| Roestvast staal   | 74        |

|  |           |
|--|-----------|
| <b>9. Platstaf   warmvervaardigd resp. uit plaat of band geproduceerd   geslepen</b> | <b>78</b> |
| Roestvast staal  | 80        |
| <b>10. Halfronnd-en plat halfronndstaf</b>   | <b>82</b> |
| Roestvast staal  | 84        |

## Hoekprofielen en speciaalprofielen

---

|  |           |
|--|-----------|
| <b>11. Hoekprofielen en speciaalprofielen   gelijkzijdig en ongelijkzijdig</b> | <b>86</b> |
| <b>Gelijkzijdige hoekprofielen   warmvervaardigd</b>                           | <b>88</b> |
| Roestvast staal  | 88        |
| <b>Gelijkzijdige hoekprofielen   warmvervaardigd</b>                           | <b>89</b> |
| Roestvast staal  | 89        |
| <b>Ongelijkzijdige hoekprofielen   warmvervaardigd</b>                         | <b>90</b> |
| Roestvast staal  | 90        |
| <b>Hoekprofielen   koudvervaardigd</b>   | <b>92</b> |
| Roestvast staal  | 92        |
| <b>12. Speciaalprofielen</b>   | <b>94</b> |
| U-profielen   roestvast staal  | 96        |
| T-Profielen   roestvast staal  | 97        |
| I-balken   roestvast staal   | 98        |

## Platen

---

|                         |            |
|-------------------------|------------|
| <b>13. Platen</b>       | <b>100</b> |
| Hoog corrosievast staal | 102        |
| Hittebestendig staal    | 103        |

## Buizen en machinepijp

---

|  |            |
|--|------------|
| <b>14. Constructie   decoratiebuizen</b> | <b>104</b> |
| <b>Rond</b>                              | <b>106</b> |
| Roestvast staal                          | 106        |
| <b>Vierkant</b>                          | <b>110</b> |
| Roestvast staal                          | 110        |
| <b>15. Leidingbuizen   rond</b>          | <b>114</b> |
| <b>Naadloos</b>                          | <b>116</b> |
| Roestvast staal                          | 116        |
| Hoog corrosievast staal                  | 122        |
| Duplex en Super Duplex                   | 123        |
| Hittebestendig staal                     | 124        |
| <b>Precisiebuizen</b>                    | <b>128</b> |
| Roestvast staal                          | 128        |
| <b>Hydrauliekbuizen</b>                  | <b>130</b> |
| Roestvast staal                          | 130        |

|                                      |            |
|--------------------------------------|------------|
| <b>Gelast   niet warmtebehandeld</b> | <b>131</b> |
| Roestvast staal                      | 131        |
| Hoog corrosievast staal              | 135        |
| <b>Zuivelbuizen</b>                  | <b>136</b> |
| Roestvast staal                      | 136        |
| <b>Gelast   niet warmtebehandeld</b> | <b>137</b> |
| Roestvast staal                      | 137        |

|  |            |
|--|------------|
| <b>16. Machinepijp   naadloos   rond</b> | <b>140</b> |
| Roestvast staal                          | 142        |
| Hittebestendig staal                     | 146        |
| Duplex stalen                            | 148        |

## Fittingen

---

|                      |            |
|----------------------|------------|
| <b>17. Flenzen</b>   | <b>150</b> |
| Blindflenzen         | 152        |
| Overschuifflenzen    | 156        |
| Vlakke aanlasflenzen | 160        |
| Voorlasflenzen       | 164        |
| Draadflenzen         | 167        |
| Boordringen          | 168        |

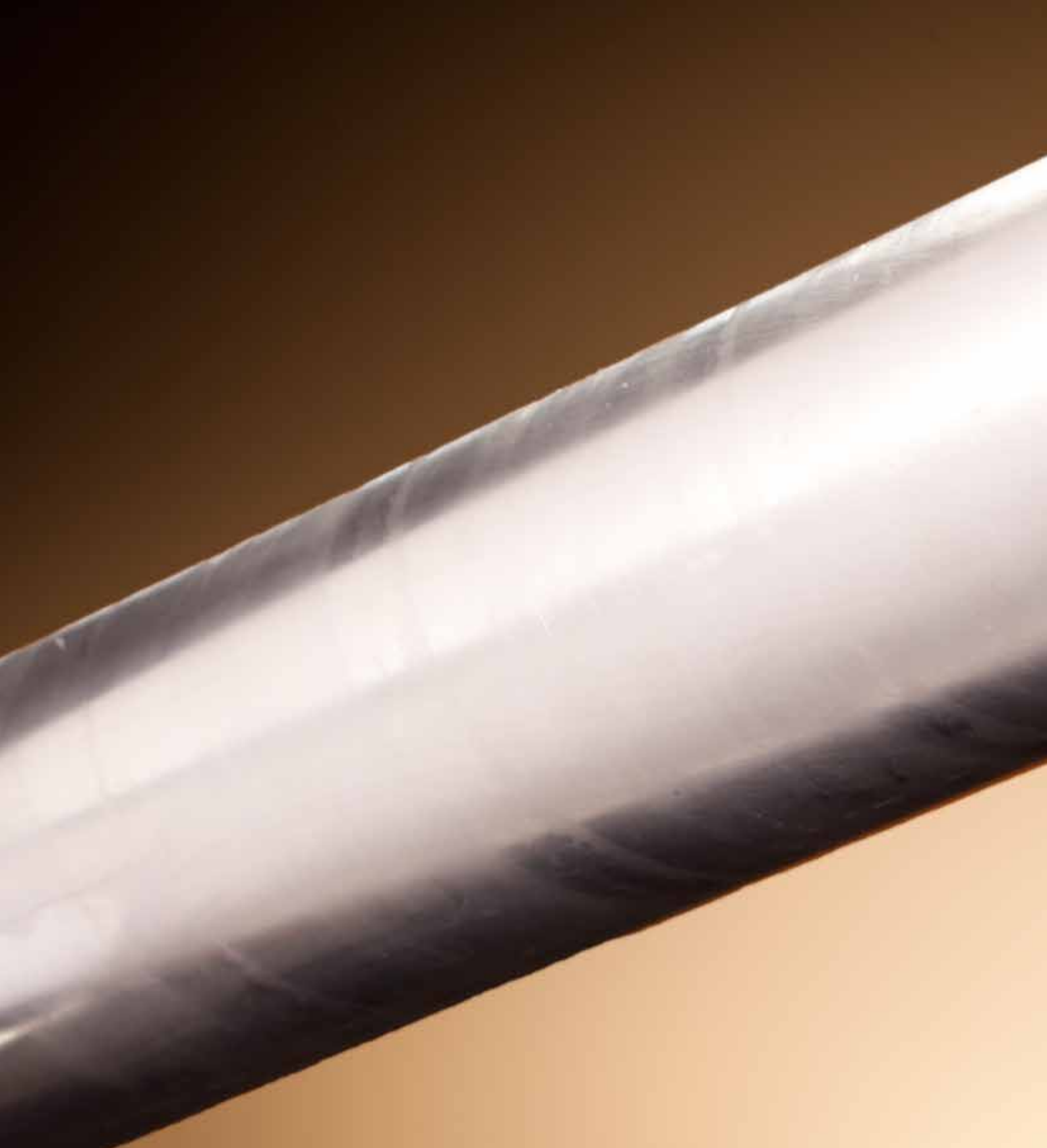
|                           |            |
|---------------------------|------------|
| <b>18. Draadfittingen</b> | <b>170</b> |
| Zeskant kap               | 172        |
| Zeskant plug              | 173        |
| Zeskant nippel            | 174        |
| Zeskant verloopnippel     | 175        |
| Zeskant verloopring       | 176        |
| Koppeling vlak bi/bi      | 177        |
| Koppeling conisch bi/bi   | 178        |
| koppeling conisch bi/bu   | 179        |
| koppeling conisch las/las | 180        |
| Sok                       | 181        |
| Halve sok                 | 182        |
| Verloopsok                | 183        |
| Pijpnippel                | 184        |
| Lasnippel                 | 185        |
| Slangpilaar               | 186        |
| T-stuk                    | 187        |
| Knie 90° bi/bi            | 188        |
| Knie 90° bi/bu            | 189        |

|                         |            |
|-------------------------|------------|
| <b>19. Lasfittingen</b> | <b>190</b> |
| Lasbocht                | 192        |
| T-stuk                  | 198        |
| Verloopstuk             | 202        |
| Laskap                  | 207        |

## Service

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|                           |            |
|---------------------------|------------|
| <b>20. Dienstenpakket</b> | <b>208</b> |
|---------------------------|------------|



# RONDSTAF

warmvervaardigd

10 - 22



# Topvorm

Warmvervaardigd rondstaal kenmerkt zich door hoge stabiliteit, lange duurzaamheid en goede verwerkbaarheid. Heeft u speciale wensen? Van zagen, boren, veredelen, afschuinen tot aanpunten- onze service is in topvorm en wij doen dit voor u.

## Rondstaf | warmvervaardigd

op handelslengten van 4-6 m

- \* oplossend geloeid
- \*\* veredeld, geschild of gedraaid, in sommige gevallen voor de warmtebehandeling, deels nog voorzien van de oxidehuid
- \*\*\* gegloeid, geschild of gedraaid, in sommige gevallen voor de warmtebehandeling, deels nog voorzien van de oxidehuid
- \*\*\*\* oplossend gegloeid in leveringstoestand, met opgave van de mechanische eigenschappen in precipitatie geharde toestand, geschild of gedraaid

## Maatnormen

DIN EN 10060 or DIN 7527, blad 6

## Keuringscertificaten

DIN EN 10204 3.1 of fabriekscertificaat 2.1/2.2

\*/\*\*/\*\*\*/\* Inhoud zie pagina 10 tot 22

| mm     | Theor. Gew.<br>kg/m | W.-Nr. 1.4006<br>AISI 410<br>(**) | W.-Nr. 1.4021<br>AISI 420<br>(**) | W.-Nr. 1.4028<br>AISI 420F<br>(**) | W.-Nr. 1.4034<br>AISI 420<br>(***) | W.-Nr. 1.4057<br>AISI 431<br>(**) | W.-Nr. 1.4104<br>AISI 430F<br>(**) | W.-Nr. 1.4112<br>AISI 440B<br>(***) | W.-Nr. 1.4122<br>AISI 440B<br>(**) | W.-Nr. 1.4125<br>AISI 440C<br>(***) | W.-Nr. 1.4301<br>AISI 304<br>(*) 1) | W.-Nr. 1.4305<br>AISI 303<br>(*) |
|--------|---------------------|-----------------------------------|-----------------------------------|------------------------------------|------------------------------------|-----------------------------------|------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|----------------------------------|
| 16,00  | 1,58                |                                   | ▪                                 |                                    |                                    |                                   |                                    |                                     |                                    |                                     |                                     |                                  |
| 18,00  | 2,00                |                                   |                                   |                                    |                                    |                                   |                                    |                                     | ▪                                  |                                     |                                     |                                  |
| 20,00  | 2,47                |                                   | ▪                                 | ▪                                  |                                    | ▪                                 |                                    | ▪                                   | ▪                                  | ▪                                   | ▪                                   |                                  |
| 22,00  | 2,98                |                                   | ▪                                 |                                    |                                    | ▪                                 |                                    |                                     | ▪                                  |                                     | ▪                                   |                                  |
| 24,00  | 3,55                |                                   | ▪                                 |                                    |                                    |                                   |                                    |                                     |                                    |                                     | ▪                                   |                                  |
| 25,00  | 3,85                |                                   | ▪                                 | ▪                                  |                                    | ▪                                 |                                    | ▪                                   | ▪                                  |                                     | ▪                                   |                                  |
| 26,00  | 4,17                |                                   | ▪                                 |                                    |                                    | ▪                                 |                                    |                                     | ▪                                  |                                     |                                     |                                  |
| 27,00  | 4,50                |                                   |                                   |                                    |                                    |                                   |                                    |                                     |                                    |                                     |                                     |                                  |
| 28,00  | 4,83                |                                   | ▪                                 |                                    |                                    | ▪                                 |                                    | ▪                                   | ▪                                  |                                     | ▪                                   |                                  |
| 30,00  | 5,55                | ▪                                 | ▪                                 | ▪                                  | ▪                                  | ▪                                 |                                    | ▪                                   | ▪                                  | ▪                                   | ▪                                   |                                  |
| 32,00  | 6,31                |                                   | ▪                                 |                                    |                                    | ▪                                 |                                    |                                     |                                    |                                     | ▪                                   |                                  |
| 33,00  | 6,71                |                                   |                                   |                                    |                                    |                                   |                                    |                                     |                                    |                                     |                                     |                                  |
| 34,00  | 7,13                |                                   |                                   |                                    |                                    |                                   |                                    |                                     |                                    |                                     |                                     |                                  |
| 35,00  | 7,55                | ▪                                 | ▪                                 | ▪                                  | ▪                                  | ▪                                 |                                    | ▪                                   | ▪                                  |                                     | ▪                                   | ▪                                |
| 36,00  | 7,99                |                                   | ▪                                 |                                    |                                    | ▪                                 |                                    | ▪                                   | ▪                                  |                                     | ▪                                   |                                  |
| 38,00  | 8,90                |                                   | ▪                                 |                                    |                                    | ▪                                 |                                    |                                     | ▪                                  |                                     | ▪                                   |                                  |
| 40,00  | 9,87                | ▪                                 | ▪                                 | ▪                                  | ▪                                  | ▪                                 | ▪                                  | ▪                                   | ▪                                  | ▪                                   | ▪                                   | ▪                                |
| 42,00  | 10,88               |                                   | ▪                                 |                                    |                                    | ▪                                 |                                    |                                     | ▪                                  |                                     | ▪                                   | ▪                                |
| 45,00  | 12,49               | ▪                                 | ▪                                 | ▪                                  | ▪                                  | ▪                                 | ▪                                  | ▪                                   | ▪                                  |                                     | ▪                                   | ▪                                |
| 46,00  | 13,05               |                                   | ▪                                 |                                    |                                    |                                   |                                    |                                     |                                    |                                     |                                     |                                  |
| 48,00  | 14,21               |                                   | ▪                                 |                                    |                                    | ▪                                 |                                    |                                     |                                    |                                     | ▪                                   |                                  |
| 50,00  | 15,41               | ▪                                 | ▪                                 | ▪                                  | ▪                                  | ▪                                 | ▪                                  | ▪                                   | ▪                                  | ▪                                   | ▪                                   | ▪                                |
| 52,00  | 16,62               |                                   | ▪                                 |                                    |                                    | ▪                                 |                                    |                                     | ▪                                  |                                     |                                     |                                  |
| 55,00  | 18,65               | ▪                                 | ▪                                 | ▪                                  | ▪                                  | ▪                                 | ▪                                  | ▪                                   | ▪                                  |                                     | ▪                                   | ▪                                |
| 58,00  | 21,13               |                                   |                                   |                                    |                                    |                                   |                                    |                                     |                                    |                                     | ▪                                   |                                  |
| 60,00  | 22,20               | ▪                                 | ▪                                 | ▪                                  | ▪                                  | ▪                                 | ▪                                  | ▪                                   | ▪                                  | ▪                                   | ▪                                   | ▪                                |
| 62,00  | 23,70               |                                   |                                   |                                    |                                    |                                   |                                    |                                     |                                    |                                     |                                     |                                  |
| 63,00  | 24,93               |                                   |                                   |                                    |                                    |                                   |                                    |                                     |                                    |                                     |                                     | ▪                                |
| 65,00  | 26,05               | ▪                                 | ▪                                 | ▪                                  | ▪                                  | ▪                                 | ▪                                  | ▪                                   | ▪                                  |                                     | ▪                                   | ▪                                |
| 70,00  | 30,21               | ▪                                 | ▪                                 | ▪                                  | ▪                                  | ▪                                 | ▪                                  | ▪                                   | ▪                                  | ▪                                   | ▪                                   | ▪                                |
| 75,00  | 34,68               | ▪                                 | ▪                                 | ▪                                  | ▪                                  | ▪                                 | ▪                                  | ▪                                   | ▪                                  |                                     | ▪                                   | ▪                                |
| 80,00  | 39,46               | ▪                                 | ▪                                 | ▪                                  | ▪                                  | ▪                                 | ▪                                  | ▪                                   | ▪                                  | ▪                                   | ▪                                   | ▪                                |
| 85,00  | 44,55               | ▪                                 | ▪                                 | ▪                                  | ▪                                  | ▪                                 | ▪                                  | ▪                                   | ▪                                  |                                     | ▪                                   | ▪                                |
| 90,00  | 49,94               | ▪                                 | ▪                                 | ▪                                  | ▪                                  | ▪                                 | ▪                                  | ▪                                   | ▪                                  | ▪                                   | ▪                                   | ▪                                |
| 95,00  | 55,64               |                                   | ▪                                 | ▪                                  | ▪                                  | ▪                                 | ▪                                  | ▪                                   | ▪                                  |                                     | ▪                                   | ▪                                |
| 100,00 | 61,65               | ▪                                 | ▪                                 | ▪                                  | ▪                                  | ▪                                 | ▪                                  | ▪                                   | ▪                                  | ▪                                   | ▪                                   | ▪                                |
| 105,00 | 67,97               |                                   | ▪                                 | ▪                                  |                                    | ▪                                 | ▪                                  | ▪                                   | ▪                                  |                                     | ▪                                   | ▪                                |
| 110,00 | 74,60               | ▪                                 | ▪                                 | ▪                                  | ▪                                  | ▪                                 | ▪                                  | ▪                                   | ▪                                  | ▪                                   | ▪                                   | ▪                                |

1) voor het grootste gedeelte in gemodificeerde uitvoering d.w.z. S gehalte  $\geq 0,02\%$  tot  $\geq 0,03\%$  ter verbetering van de verspaanbaarheid  
 \*/\*\*/\*\* Uitvoeringen zie pagina 9

| mm     | Theor. Gew.<br>kg/m | W.-Nr. 1.4306<br>AISI 304L *) | W.-Nr. 1.4307<br>AISI 304L *) | W.-Nr. 1.4313<br>AISI CA 6-NM **) | W.-Nr. 1.4401<br>AISI 316 *) | W.-Nr. 1.4404<br>AISI 316L *) | W.-Nr. 1.4418<br>**) | W.-Nr. 1.4435<br>AISI 316L *) | W.-Nr. 1.4541<br>AISI 321 *) | W.-Nr. 1.4542<br>AISI 630 ****) | W.-Nr. 1.4571<br>AISI 316Ti *) |
|--------|---------------------|-------------------------------|-------------------------------|-----------------------------------|------------------------------|-------------------------------|----------------------|-------------------------------|------------------------------|---------------------------------|--------------------------------|
| 16,00  | 1,58                |                               |                               |                                   |                              |                               |                      |                               |                              |                                 |                                |
| 18,00  | 2,00                |                               |                               |                                   |                              |                               |                      |                               |                              |                                 |                                |
| 20,00  | 2,47                |                               | ▪                             | ▪                                 | ▪                            | ▪                             |                      |                               | ▪                            |                                 | ▪                              |
| 22,00  | 2,98                |                               | ▪                             |                                   | ▪                            | ▪                             |                      |                               | ▪                            |                                 | ▪                              |
| 24,00  | 3,55                |                               | ▪                             |                                   |                              |                               |                      |                               | ▪                            |                                 | ▪                              |
| 25,00  | 3,85                |                               | ▪                             | ▪                                 | ▪                            | ▪                             | ▪                    |                               | ▪                            |                                 | ▪                              |
| 26,00  | 4,17                |                               |                               |                                   |                              |                               |                      |                               |                              |                                 | ▪                              |
| 27,00  | 4,50                |                               |                               |                                   |                              |                               |                      |                               |                              |                                 | ▪                              |
| 28,00  | 4,83                |                               | ▪                             |                                   | ▪                            | ▪                             |                      |                               | ▪                            |                                 | ▪                              |
| 30,00  | 5,55                |                               | ▪                             | ▪                                 | ▪                            | ▪                             | ▪                    | ▪                             | ▪                            | ▪                               | ▪                              |
| 32,00  | 6,31                |                               | ▪                             |                                   | ▪                            | ▪                             |                      |                               | ▪                            | ▪                               | ▪                              |
| 33,00  | 6,71                |                               |                               |                                   |                              |                               |                      |                               |                              |                                 | ▪                              |
| 34,00  | 7,13                |                               |                               |                                   |                              |                               |                      |                               |                              |                                 | ▪                              |
| 35,00  | 7,55                | ▪                             | ▪                             | ▪                                 | ▪                            | ▪                             | ▪                    | ▪                             | ▪                            | ▪                               | ▪                              |
| 36,00  | 7,99                |                               | ▪                             |                                   | ▪                            | ▪                             |                      | ▪                             | ▪                            |                                 | ▪                              |
| 38,00  | 8,90                |                               | ▪                             |                                   | ▪                            | ▪                             |                      |                               | ▪                            |                                 | ▪                              |
| 40,00  | 9,87                | ▪                             | ▪                             | ▪                                 | ▪                            | ▪                             | ▪                    | ▪                             | ▪                            | ▪                               | ▪                              |
| 42,00  | 10,88               |                               | ▪                             |                                   | ▪                            | ▪                             |                      |                               | ▪                            |                                 | ▪                              |
| 45,00  | 12,49               | ▪                             | ▪                             | ▪                                 | ▪                            | ▪                             | ▪                    | ▪                             | ▪                            | ▪                               | ▪                              |
| 46,00  | 13,05               |                               |                               |                                   |                              |                               |                      |                               |                              |                                 |                                |
| 48,00  | 14,21               |                               | ▪                             |                                   | ▪                            | ▪                             |                      |                               |                              |                                 | ▪                              |
| 50,00  | 15,41               | ▪                             | ▪                             | ▪                                 | ▪                            | ▪                             | ▪                    | ▪                             | ▪                            | ▪                               | ▪                              |
| 52,00  | 16,62               |                               |                               |                                   | ▪                            | ▪                             |                      | ▪                             | ▪                            |                                 | ▪                              |
| 55,00  | 18,65               | ▪                             | ▪                             | ▪                                 | ▪                            | ▪                             | ▪                    | ▪                             | ▪                            | ▪                               | ▪                              |
| 58,00  | 21,13               |                               | ▪                             |                                   |                              |                               |                      |                               |                              |                                 |                                |
| 60,00  | 22,20               | ▪                             | ▪                             | ▪                                 | ▪                            | ▪                             | ▪                    | ▪                             | ▪                            | ▪                               | ▪                              |
| 62,00  | 23,70               |                               |                               |                                   |                              |                               |                      |                               |                              |                                 | ▪                              |
| 63,00  | 24,93               |                               |                               |                                   |                              |                               |                      |                               |                              |                                 |                                |
| 65,00  | 26,05               |                               | ▪                             | ▪                                 | ▪                            | ▪                             | ▪                    | ▪                             | ▪                            | ▪                               | ▪                              |
| 70,00  | 30,21               | ▪                             | ▪                             | ▪                                 | ▪                            | ▪                             | ▪                    | ▪                             | ▪                            | ▪                               | ▪                              |
| 75,00  | 34,68               |                               | ▪                             | ▪                                 | ▪                            | ▪                             | ▪                    | ▪                             | ▪                            | ▪                               | ▪                              |
| 80,00  | 39,46               | ▪                             | ▪                             | ▪                                 | ▪                            | ▪                             | ▪                    | ▪                             | ▪                            | ▪                               | ▪                              |
| 85,00  | 44,55               | ▪                             | ▪                             | ▪                                 | ▪                            | ▪                             | ▪                    | ▪                             | ▪                            | ▪                               | ▪                              |
| 90,00  | 49,94               | ▪                             | ▪                             | ▪                                 | ▪                            | ▪                             |                      | ▪                             | ▪                            | ▪                               | ▪                              |
| 95,00  | 55,64               |                               | ▪                             |                                   | ▪                            | ▪                             | ▪                    | ▪                             | ▪                            | ▪                               | ▪                              |
| 100,00 | 61,65               | ▪                             | ▪                             | ▪                                 | ▪                            | ▪                             | ▪                    | ▪                             | ▪                            | ▪                               | ▪                              |
| 105,00 | 67,97               |                               | ▪                             |                                   | ▪                            | ▪                             |                      | ▪                             | ▪                            |                                 | ▪                              |
| 110,00 | 74,60               | ▪                             | ▪                             | ▪                                 | ▪                            | ▪                             | ▪                    | ▪                             | ▪                            | ▪                               | ▪                              |

\*/\*\*/\*\*\*\* Uitvoeringen zie pagina 9

| mm     | Theor. Gew. kg/m | W.-Nr. 1.4006<br>AISI 410<br>(**) | W.-Nr. 1.4021<br>AISI 420<br>(**) | W.-Nr. 1.4028<br>AISI 420F<br>(**) | W.-Nr. 1.4034<br>AISI 420<br>(***) | W.-Nr. 1.4057<br>AISI 431<br>(**) | W.-Nr. 1.4104<br>AISI 430F<br>(**) | W.-Nr. 1.4112<br>AISI 440B<br>(***) | W.-Nr. 1.4122<br>AISI 440B<br>(**) | W.-Nr. 1.4125<br>AISI 440C<br>(***) | W.-Nr. 1.4301<br>AISI 304<br>(*) 1) | W.-Nr. 1.4305<br>AISI 303<br>(*) |
|--------|------------------|-----------------------------------|-----------------------------------|------------------------------------|------------------------------------|-----------------------------------|------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|----------------------------------|
| 115,00 | 81,54            |                                   | ▪                                 | ▪                                  |                                    | ▪                                 | ▪                                  | ▪                                   | ▪                                  |                                     | ▪                                   | ▪                                |
| 120,00 | 88,78            | ▪                                 | ▪                                 | ▪                                  | ▪                                  | ▪                                 | ▪                                  | ▪                                   | ▪                                  | ▪                                   | ▪                                   | ▪                                |
| 125,00 | 96,33            |                                   | ▪                                 |                                    |                                    | ▪                                 | ▪                                  | ▪                                   | ▪                                  |                                     | ▪                                   | ▪                                |
| 130,00 | 104,20           | ▪                                 | ▪                                 | ▪                                  | ▪                                  | ▪                                 | ▪                                  | ▪                                   | ▪                                  | ▪                                   | ▪                                   | ▪                                |
| 135,00 | 112,40           |                                   | ▪                                 |                                    |                                    | ▪                                 |                                    |                                     | ▪                                  |                                     | ▪                                   | ▪                                |
| 140,00 | 120,80           | ▪                                 | ▪                                 | ▪                                  | ▪                                  | ▪                                 | ▪                                  | ▪                                   | ▪                                  | ▪                                   | ▪                                   | ▪                                |
| 145,00 | 129,60           |                                   | ▪                                 |                                    |                                    | ▪                                 |                                    |                                     | ▪                                  |                                     | ▪                                   | ▪                                |
| 150,00 | 138,70           | ▪                                 | ▪                                 | ▪                                  | ▪                                  | ▪                                 | ▪                                  | ▪                                   | ▪                                  | ▪                                   | ▪                                   | ▪                                |
| 155,00 | 148,10           |                                   |                                   |                                    |                                    | ▪                                 |                                    |                                     |                                    |                                     | ▪                                   | ▪                                |
| 160,00 | 157,80           | ▪                                 | ▪                                 | ▪                                  | ▪                                  | ▪                                 | ▪                                  | ▪                                   | ▪                                  |                                     | ▪                                   | ▪                                |
| 165,00 | 167,90           |                                   | ▪                                 |                                    |                                    | ▪                                 |                                    |                                     |                                    |                                     | ▪                                   | ▪                                |
| 170,00 | 178,20           | ▪                                 | ▪                                 | ▪                                  | ▪                                  | ▪                                 | ▪                                  | ▪                                   | ▪                                  |                                     | ▪                                   | ▪                                |
| 175,00 | 188,80           |                                   | ▪                                 |                                    |                                    |                                   |                                    |                                     |                                    |                                     | ▪                                   |                                  |
| 180,00 | 199,80           | ▪                                 | ▪                                 | ▪                                  | ▪                                  | ▪                                 | ▪                                  | ▪                                   | ▪                                  |                                     | ▪                                   | ▪                                |
| 185,00 | 211,00           |                                   |                                   |                                    |                                    |                                   |                                    |                                     |                                    |                                     | ▪                                   |                                  |
| 190,00 | 222,60           |                                   | ▪                                 | ▪                                  | ▪                                  | ▪                                 | ▪                                  | ▪                                   | ▪                                  |                                     | ▪                                   | ▪                                |
| 195,00 | 234,40           |                                   |                                   |                                    |                                    |                                   |                                    |                                     |                                    |                                     | ▪                                   |                                  |
| 200,00 | 246,60           | ▪                                 | ▪                                 | ▪                                  | ▪                                  | ▪                                 | ▪                                  | ▪                                   | ▪                                  |                                     | ▪                                   | ▪                                |
| 210,00 | 271,90           | ▪                                 | ▪                                 | ▪                                  |                                    | ▪                                 | ▪                                  | ▪                                   | ▪                                  |                                     | ▪                                   | ▪                                |
| 220,00 | 298,40           | ▪                                 | ▪                                 | ▪                                  | ▪                                  | ▪                                 | ▪                                  | ▪                                   | ▪                                  |                                     | ▪                                   | ▪                                |
| 225,00 | 312,10           |                                   |                                   |                                    |                                    |                                   |                                    |                                     |                                    |                                     |                                     |                                  |
| 230,00 | 326,20           | ▪                                 | ▪                                 | ▪                                  |                                    | ▪                                 | ▪                                  | ▪                                   | ▪                                  |                                     | ▪                                   | ▪                                |
| 240,00 | 355,10           | ▪                                 | ▪                                 | ▪                                  | ▪                                  | ▪                                 | ▪                                  | ▪                                   | ▪                                  |                                     | ▪                                   | ▪                                |
| 250,00 | 385,30           | ▪                                 | ▪                                 | ▪                                  | ▪                                  | ▪                                 | ▪                                  | ▪                                   | ▪                                  |                                     | ▪                                   | ▪                                |
| 260,00 | 416,80           |                                   | ▪                                 | ▪                                  |                                    | ▪                                 | ▪                                  | ▪                                   | ▪                                  |                                     | ▪                                   | ▪                                |
| 270,00 | 449,50           |                                   | ▪                                 | ▪                                  |                                    | ▪                                 | ▪                                  | ▪                                   | ▪                                  |                                     | ▪                                   | ▪                                |
| 275,00 | 466,30           |                                   |                                   |                                    | ▪                                  |                                   |                                    |                                     |                                    |                                     |                                     |                                  |
| 280,00 | 483,40           |                                   | ▪                                 | ▪                                  |                                    | ▪                                 | ▪                                  | ▪                                   | ▪                                  |                                     | ▪                                   | ▪                                |
| 285,00 | 500,80           |                                   |                                   |                                    |                                    |                                   |                                    |                                     |                                    |                                     | ▪                                   |                                  |
| 290,00 | 518,50           |                                   | ▪                                 | ▪                                  |                                    |                                   |                                    | ▪                                   | ▪                                  |                                     | ▪                                   |                                  |
| 300,00 | 554,90           |                                   | ▪                                 | ▪                                  | ▪                                  | ▪                                 | ▪                                  | ▪                                   | ▪                                  |                                     | ▪                                   | ▪                                |
| 310,00 | 592,00           |                                   | ▪                                 |                                    |                                    | ▪                                 |                                    |                                     |                                    |                                     | ▪                                   | ▪                                |
| 320,00 | 631,00           |                                   | ▪                                 |                                    |                                    | ▪                                 |                                    |                                     |                                    |                                     | ▪                                   |                                  |
| 325,00 | 651,20           |                                   |                                   |                                    | ▪                                  | ▪                                 | ▪                                  | ▪                                   | ▪                                  |                                     |                                     | ▪                                |
| 330,00 | 671,00           |                                   | ▪                                 |                                    |                                    |                                   |                                    |                                     | ▪                                  |                                     | ▪                                   |                                  |
| 340,00 | 713,00           |                                   | ▪                                 |                                    |                                    |                                   |                                    |                                     |                                    |                                     | ▪                                   |                                  |
| 350,00 | 755,30           |                                   | ▪                                 |                                    |                                    | ▪                                 | ▪                                  | ▪                                   | ▪                                  |                                     | ▪                                   | ▪                                |
| 360,00 | 799,00           |                                   | ▪                                 |                                    |                                    | ▪                                 |                                    |                                     |                                    |                                     | ▪                                   |                                  |

1) voor het grootste gedeelte in gemodificeerde uitvoering d.w.z. S gehalte  $\geq 0,02\%$  tot  $\geq 0,03\%$  ter verbetering van de verspaanbaarheid  
 \*/\*\*/\*\*\*) Uitvoeringen zie pagina 9

| mm     | Theor. Gew.<br>kg/m | W.-Nr. 1.4306<br>AISI 304L *) | W.-Nr. 1.4307<br>AISI 304L *) | W.-Nr. 1.4313<br>AISI CA 6-NM **) | W.-Nr. 1.4401<br>AISI 316 *) | W.-Nr. 1.4404<br>AISI 316L *) | W.-Nr. 1.4418<br>**) | W.-Nr. 1.4435<br>AISI 316L *) | W.-Nr. 1.4541<br>AISI 321 *) | W.-Nr. 1.4542<br>AISI 630 ****) | W.-Nr. 1.4571<br>AISI 316Ti *) |
|--------|---------------------|-------------------------------|-------------------------------|-----------------------------------|------------------------------|-------------------------------|----------------------|-------------------------------|------------------------------|---------------------------------|--------------------------------|
| 115,00 | 81,54               |                               | ▪                             |                                   | ▪                            | ▪                             |                      |                               | ▪                            |                                 | ▪                              |
| 120,00 | 88,78               | ▪                             | ▪                             | ▪                                 | ▪                            | ▪                             | ▪                    | ▪                             | ▪                            | ▪                               | ▪                              |
| 125,00 | 96,33               |                               | ▪                             |                                   | ▪                            | ▪                             |                      | ▪                             | ▪                            |                                 | ▪                              |
| 130,00 | 104,20              | ▪                             | ▪                             | ▪                                 | ▪                            | ▪                             |                      | ▪                             | ▪                            | ▪                               | ▪                              |
| 135,00 | 112,40              |                               | ▪                             |                                   | ▪                            | ▪                             |                      |                               | ▪                            |                                 | ▪                              |
| 140,00 | 120,80              | ▪                             | ▪                             | ▪                                 | ▪                            | ▪                             | ▪                    | ▪                             | ▪                            | ▪                               | ▪                              |
| 145,00 | 129,60              |                               | ▪                             |                                   | ▪                            | ▪                             |                      |                               | ▪                            |                                 | ▪                              |
| 150,00 | 138,70              | ▪                             | ▪                             | ▪                                 | ▪                            | ▪                             | ▪                    | ▪                             | ▪                            | ▪                               | ▪                              |
| 155,00 | 148,10              |                               | ▪                             |                                   | ▪                            | ▪                             |                      |                               | ▪                            |                                 | ▪                              |
| 160,00 | 157,80              | ▪                             | ▪                             | ▪                                 | ▪                            | ▪                             | ▪                    | ▪                             | ▪                            | ▪                               | ▪                              |
| 165,00 | 167,90              |                               | ▪                             |                                   | ▪                            | ▪                             |                      |                               | ▪                            |                                 | ▪                              |
| 170,00 | 178,20              |                               | ▪                             |                                   | ▪                            | ▪                             | ▪                    | ▪                             | ▪                            | ▪                               | ▪                              |
| 175,00 | 188,80              |                               | ▪                             |                                   | ▪                            | ▪                             |                      |                               | ▪                            |                                 | ▪                              |
| 180,00 | 199,80              |                               | ▪                             | ▪                                 | ▪                            | ▪                             | ▪                    | ▪                             | ▪                            | ▪                               | ▪                              |
| 185,00 | 211,00              |                               | ▪                             |                                   |                              |                               |                      |                               | ▪                            |                                 | ▪                              |
| 190,00 | 222,60              |                               | ▪                             |                                   | ▪                            | ▪                             | ▪                    | ▪                             | ▪                            |                                 | ▪                              |
| 195,00 | 234,40              |                               | ▪                             |                                   |                              |                               |                      |                               |                              |                                 |                                |
| 200,00 | 246,60              |                               | ▪                             | ▪                                 | ▪                            | ▪                             | ▪                    | ▪                             | ▪                            | ▪                               | ▪                              |
| 210,00 | 271,90              |                               | ▪                             |                                   | ▪                            | ▪                             |                      | ▪                             | ▪                            |                                 | ▪                              |
| 220,00 | 298,40              |                               | ▪                             |                                   | ▪                            | ▪                             |                      | ▪                             | ▪                            |                                 | ▪                              |
| 225,00 | 312,10              |                               |                               | ▪                                 |                              |                               | ▪                    |                               |                              |                                 |                                |
| 230,00 | 326,20              |                               | ▪                             |                                   | ▪                            | ▪                             |                      | ▪                             | ▪                            |                                 | ▪                              |
| 240,00 | 355,10              |                               | ▪                             |                                   | ▪                            | ▪                             |                      | ▪                             | ▪                            |                                 | ▪                              |
| 250,00 | 385,30              |                               | ▪                             | ▪                                 | ▪                            | ▪                             | ▪                    | ▪                             | ▪                            |                                 | ▪                              |
| 260,00 | 416,80              |                               | ▪                             |                                   | ▪                            | ▪                             |                      | ▪                             | ▪                            |                                 | ▪                              |
| 270,00 | 449,50              |                               | ▪                             |                                   | ▪                            | ▪                             |                      | ▪                             | ▪                            |                                 | ▪                              |
| 275,00 | 466,30              |                               |                               | ▪                                 |                              |                               |                      |                               |                              |                                 |                                |
| 280,00 | 483,40              |                               | ▪                             |                                   | ▪                            | ▪                             |                      | ▪                             | ▪                            |                                 | ▪                              |
| 285,00 | 500,80              |                               | ▪                             |                                   |                              |                               |                      |                               |                              |                                 | ▪                              |
| 290,00 | 518,50              |                               | ▪                             |                                   | ▪                            | ▪                             |                      | ▪                             | ▪                            |                                 | ▪                              |
| 300,00 | 554,90              |                               | ▪                             | ▪                                 | ▪                            | ▪                             |                      | ▪                             | ▪                            |                                 | ▪                              |
| 310,00 | 592,00              |                               | ▪                             |                                   | ▪                            | ▪                             |                      |                               | ▪                            |                                 | ▪                              |
| 320,00 | 631,00              |                               | ▪                             |                                   | ▪                            | ▪                             |                      |                               |                              |                                 | ▪                              |
| 325,00 | 651,20              |                               |                               |                                   |                              |                               |                      |                               | ▪                            |                                 |                                |
| 330,00 | 671,00              |                               | ▪                             |                                   | ▪                            | ▪                             |                      |                               |                              |                                 | ▪                              |
| 340,00 | 713,00              |                               | ▪                             |                                   | ▪                            | ▪                             |                      |                               | ▪                            |                                 | ▪                              |
| 350,00 | 755,30              |                               | ▪                             | ▪                                 | ▪                            | ▪                             |                      | ▪                             | ▪                            |                                 | ▪                              |
| 360,00 | 799,00              |                               | ▪                             |                                   | ▪                            | ▪                             |                      |                               | ▪                            |                                 | ▪                              |

\*/\*\*/\*\*\*\* Uitvoeringen zie pagina 9

| mm     | Theor. Gew. kg/m | W.-Nr. 1.4006<br>AISI 410<br>**) | W.-Nr. 1.4021<br>AISI 420<br>**) | W.-Nr. 1.4028<br>AISI 420F<br>**) | W.-Nr. 1.4034<br>AISI 420<br>***) | W.-Nr. 1.4057<br>AISI 431<br>**) | W.-Nr. 1.4104<br>AISI 430F<br>**) | W.-Nr. 1.4112<br>AISI 440B<br>***) | W.-Nr. 1.4122<br>AISI 440B<br>**) | W.-Nr. 1.4125<br>AISI 440C<br>***) | W.-Nr. 1.4301<br>AISI 304<br>*) 1) | W.-Nr. 1.4305<br>AISI 303<br>*) |
|--------|------------------|----------------------------------|----------------------------------|-----------------------------------|-----------------------------------|----------------------------------|-----------------------------------|------------------------------------|-----------------------------------|------------------------------------|------------------------------------|---------------------------------|
| 370,00 | 844,00           |                                  | ▪                                |                                   |                                   |                                  |                                   |                                    |                                   |                                    | ▪                                  |                                 |
| 375,00 | 867,00           |                                  |                                  |                                   |                                   | ▪                                |                                   | ▪                                  |                                   |                                    |                                    | ▪                               |
| 380,00 | 890,00           |                                  | ▪                                |                                   |                                   |                                  |                                   |                                    |                                   |                                    | ▪                                  |                                 |
| 390,00 | 938,00           |                                  |                                  |                                   |                                   |                                  |                                   |                                    |                                   |                                    |                                    |                                 |
| 400,00 | 986,50           |                                  | ▪                                |                                   |                                   | ▪                                | ▪                                 | ▪                                  | ▪                                 |                                    | ▪                                  | ▪                               |
| 410,00 | 1.036,00         |                                  |                                  |                                   |                                   |                                  |                                   |                                    |                                   |                                    | ▪                                  |                                 |
| 420,00 | 1.088,00         |                                  |                                  |                                   |                                   |                                  |                                   |                                    |                                   |                                    |                                    |                                 |
| 425,00 | 1.114,00         |                                  | ▪                                |                                   |                                   | ▪                                |                                   |                                    |                                   |                                    | ▪                                  | ▪                               |
| 430,00 | 1.140,00         |                                  |                                  |                                   |                                   |                                  |                                   |                                    |                                   |                                    |                                    |                                 |
| 440,00 | 1.194,00         |                                  |                                  |                                   |                                   |                                  |                                   |                                    |                                   |                                    |                                    |                                 |
| 450,00 | 1.249,00         |                                  | ▪                                |                                   |                                   | ▪                                |                                   |                                    | ▪                                 |                                    | ▪                                  | ▪                               |
| 460,00 | 1.305,00         |                                  |                                  |                                   |                                   |                                  |                                   |                                    |                                   |                                    |                                    |                                 |
| 470,00 | 1.388,00         |                                  |                                  |                                   |                                   |                                  |                                   |                                    |                                   |                                    |                                    |                                 |
| 475,00 | 1.391,00         |                                  |                                  |                                   |                                   |                                  |                                   |                                    |                                   |                                    | ▪                                  |                                 |
| 480,00 | 1.428,00         |                                  |                                  |                                   |                                   |                                  |                                   |                                    |                                   |                                    |                                    |                                 |
| 490,00 | 1.509,00         |                                  |                                  |                                   |                                   |                                  |                                   |                                    |                                   |                                    |                                    |                                 |
| 500,00 | 1.541,00         |                                  | ▪                                |                                   |                                   | ▪                                |                                   |                                    | ▪                                 |                                    | ▪                                  | ▪                               |
| 510,00 | 1.634,00         |                                  |                                  |                                   |                                   |                                  |                                   |                                    | ▪                                 |                                    |                                    |                                 |
| 520,00 | 1.667,00         |                                  |                                  |                                   |                                   |                                  |                                   |                                    |                                   |                                    |                                    |                                 |
| 525,00 | 1.699,00         |                                  |                                  |                                   |                                   |                                  |                                   |                                    | ▪                                 |                                    | ▪                                  | ▪                               |
| 530,00 | 1.765,00         |                                  |                                  |                                   |                                   |                                  |                                   |                                    |                                   |                                    |                                    |                                 |
| 540,00 | 1.832,00         |                                  |                                  |                                   |                                   |                                  |                                   |                                    |                                   |                                    |                                    |                                 |
| 550,00 | 1.865,00         |                                  |                                  |                                   |                                   |                                  |                                   |                                    |                                   |                                    | ▪                                  |                                 |
| 575,00 | 2.038,00         |                                  |                                  |                                   |                                   |                                  |                                   |                                    |                                   |                                    | ▪                                  |                                 |
| 600,00 | 2.220,00         |                                  |                                  |                                   |                                   |                                  |                                   |                                    |                                   |                                    |                                    |                                 |
| 625,00 | 2.422,00         |                                  |                                  |                                   |                                   |                                  |                                   |                                    |                                   |                                    |                                    |                                 |

1) voor het grootste gedeelte in gemodificeerde uitvoering d.w.z. S gehalte  $\geq 0,02\%$  tot  $\geq 0,03\%$  ter verbetering van de verspaanbaarheid  
 \*\*/\*\*/\*\*\*) Uitvoeringen zie pagina 9

| mm     | Theor. Gew.<br>kg/m | W.-Nr. 1.4306<br>AISI 304L *) | W.-Nr. 1.4307<br>AISI 304L *) | W.-Nr. 1.4313<br>AISI CA 6-NM **) | W.-Nr. 1.4401<br>AISI 316 *) | W.-Nr. 1.4404<br>AISI 316L *) | W.-Nr. 1.4418<br>**) | W.-Nr. 1.4435<br>AISI 316L *) | W.-Nr. 1.4541<br>AISI 321 *) | W.-Nr. 1.4542<br>AISI 630 ****) | W.-Nr. 1.4571<br>AISI 316Ti *) |
|--------|---------------------|-------------------------------|-------------------------------|-----------------------------------|------------------------------|-------------------------------|----------------------|-------------------------------|------------------------------|---------------------------------|--------------------------------|
| 370,00 | 844,00              |                               | ▪                             |                                   |                              |                               |                      |                               |                              |                                 | ▪                              |
| 375,00 | 867,00              |                               |                               |                                   | ▪                            | ▪                             |                      |                               | ▪                            |                                 |                                |
| 380,00 | 890,00              |                               | ▪                             |                                   |                              |                               |                      |                               |                              |                                 | ▪                              |
| 390,00 | 938,00              |                               |                               |                                   |                              |                               |                      |                               |                              |                                 | ▪                              |
| 400,00 | 986,50              |                               | ▪                             | ▪                                 | ▪                            | ▪                             |                      | ▪                             | ▪                            |                                 | ▪                              |
| 410,00 | 1.036,00            |                               | ▪                             |                                   |                              |                               |                      |                               |                              |                                 | ▪                              |
| 420,00 | 1.088,00            |                               |                               |                                   |                              |                               |                      |                               |                              |                                 | ▪                              |
| 425,00 | 1.114,00            |                               | ▪                             |                                   | ▪                            | ▪                             |                      |                               | ▪                            |                                 |                                |
| 430,00 | 1.140,00            |                               |                               |                                   |                              |                               |                      |                               |                              |                                 | ▪                              |
| 440,00 | 1.194,00            |                               |                               |                                   |                              |                               |                      |                               |                              |                                 | ▪                              |
| 450,00 | 1.249,00            |                               | ▪                             | ▪                                 | ▪                            | ▪                             |                      |                               | ▪                            |                                 | ▪                              |
| 460,00 | 1.305,00            |                               |                               |                                   |                              |                               |                      |                               |                              |                                 | ▪                              |
| 470,00 | 1.388,00            |                               |                               |                                   |                              |                               |                      |                               |                              |                                 | ▪                              |
| 475,00 | 1.391,00            |                               | ▪                             |                                   | ▪                            | ▪                             |                      |                               | ▪                            |                                 |                                |
| 480,00 | 1.428,00            |                               |                               |                                   |                              |                               |                      |                               |                              |                                 | ▪                              |
| 490,00 | 1.509,00            |                               |                               |                                   |                              |                               |                      |                               |                              |                                 | ▪                              |
| 500,00 | 1.541,00            |                               | ▪                             | ▪                                 | ▪                            | ▪                             |                      |                               | ▪                            |                                 | ▪                              |
| 510,00 | 1.634,00            |                               |                               |                                   |                              |                               |                      |                               |                              |                                 | ▪                              |
| 520,00 | 1.667,00            |                               |                               |                                   |                              |                               |                      |                               |                              |                                 | ▪                              |
| 525,00 | 1.699,00            |                               | ▪                             |                                   | ▪                            | ▪                             |                      |                               | ▪                            |                                 |                                |
| 530,00 | 1.765,00            |                               |                               |                                   |                              |                               |                      |                               |                              |                                 | ▪                              |
| 540,00 | 1.832,00            |                               |                               |                                   |                              |                               |                      |                               |                              |                                 | ▪                              |
| 550,00 | 1.865,00            |                               | ▪                             |                                   | ▪                            | ▪                             |                      |                               |                              |                                 | ▪                              |
| 575,00 | 2.038,00            |                               | ▪                             |                                   | ▪                            | ▪                             |                      |                               |                              |                                 | ▪                              |
| 600,00 | 2.220,00            |                               |                               |                                   | ▪                            | ▪                             |                      |                               |                              |                                 | ▪                              |
| 625,00 | 2.422,00            |                               |                               |                                   | ▪                            | ▪                             |                      |                               |                              |                                 | ▪                              |

\*/\*\*/\*\*\*\* Uitvoeringen zie pagina 9

| mm     | Theor. Gew. kg/m | W.-Nr. 1.4439<br>AISI 317LMN *) | W.-Nr. 1.4529<br>UNS N08926 *) | W.-Nr. 1.4539<br>AISI 904L *) |
|--------|------------------|---------------------------------|--------------------------------|-------------------------------|
| 6,00   | 0,22             |                                 |                                | ▪                             |
| 8,00   | 0,40             |                                 |                                | ▪                             |
| 10,00  | 0,62             |                                 |                                | ▪                             |
| 12,00  | 0,89             |                                 |                                | ▪                             |
| 13,00  | 1,04             |                                 |                                | ▪                             |
| 14,00  | 1,21             |                                 |                                | ▪                             |
| 15,00  | 1,39             |                                 |                                | ▪                             |
| 16,00  | 1,58             |                                 | ▪                              | ▪                             |
| 18,00  | 2,00             |                                 |                                | ▪                             |
| 20,00  | 2,47             | ▪                               | ▪                              | ▪                             |
| 22,00  | 2,98             |                                 |                                | ▪                             |
| 24,00  | 3,55             |                                 | ▪                              | ▪                             |
| 25,00  | 3,85             | ▪                               | ▪                              | ▪                             |
| 26,00  | 4,17             |                                 |                                | ▪                             |
| 28,00  | 4,83             |                                 |                                | ▪                             |
| 30,00  | 5,55             | ▪                               | ▪                              | ▪                             |
| 35,00  | 7,55             | ▪                               | ▪                              | ▪                             |
| 40,00  | 9,87             | ▪                               | ▪                              | ▪                             |
| 42,00  | 10,88            |                                 |                                | ▪                             |
| 45,00  | 12,49            |                                 |                                | ▪                             |
| 50,00  | 15,41            | ▪                               | ▪                              | ▪                             |
| 55,00  | 18,65            |                                 |                                | ▪                             |
| 60,00  | 22,20            | ▪                               | ▪                              | ▪                             |
| 65,00  | 26,05            |                                 |                                | ▪                             |
| 70,00  | 30,21            | ▪                               |                                | ▪                             |
| 75,00  | 34,68            |                                 |                                | ▪                             |
| 80,00  | 39,46            | ▪                               | ▪                              | ▪                             |
| 85,00  | 44,55            |                                 |                                | ▪                             |
| 90,00  | 49,94            | ▪                               |                                | ▪                             |
| 95,00  | 55,64            |                                 |                                | ▪                             |
| 100,00 | 61,65            |                                 | ▪                              | ▪                             |
| 105,00 | 67,97            |                                 |                                | ▪                             |
| 110,00 | 74,60            | ▪                               |                                | ▪                             |
| 115,00 | 81,54            |                                 |                                | ▪                             |
| 120,00 | 88,78            |                                 | ▪                              | ▪                             |
| 125,00 | 96,33            |                                 |                                | ▪                             |
| 130,00 | 104,20           |                                 |                                | ▪                             |
| 140,00 | 120,80           | ▪                               |                                | ▪                             |

\* Uitvoeringen zie pagina 9



| mm     | Theor. Gew.<br>kg/m | W.-Nr.<br>1.4439<br>AISI<br>317LMN<br>(*) | W.-Nr.<br>1.4529<br>UNS<br>N08926<br>(*) | W.-Nr.<br>1.4539<br>AISI<br>904L<br>(*) |
|--------|---------------------|---|--|---|
| 150,00 | 138,70              |   | ▪  | ▪                                       |
| 160,00 | 157,80              | ▪   |  | ▪                                       |
| 165,00 | 167,90              |   | ▪  |   |
| 170,00 | 178,20              |   |  | ▪                                       |
| 180,00 | 199,80              | ▪   |  | ▪                                       |
| 185,00 | 211,00              |   | ▪  |   |
| 200,00 | 246,60              |   | ▪  | ▪                                       |
| 210,00 | 271,90              | ▪   |  | ▪                                       |
| 220,00 | 298,40              |   |  | ▪                                       |
| 240,00 | 355,10              |   |  | ▪                                       |
| 250,00 | 385,30              |   |  | ▪                                       |
| 275,00 | 466,30              |   |  | ▪                                       |
| 300,00 | 554,90              |   |  | ▪                                       |
| 350,00 | 755,30              |   |  | ▪                                       |
| 400,00 | 986,50              |   |  | ▪                                       |

\* Uitvoeringen zie pagina 9



| mm     | Theor. Gew.<br>kg/m | W.-Nr. 1.4713<br>***) | W.-Nr. 1.4742<br>***) | W.-Nr. 1.4762<br>AISI 446<br>***) | W.-Nr. 1.4828<br>AISI 309<br>*) | W.-Nr. 1.4841<br>AISI 314<br>*) | W.-Nr. 1.4845<br>AISI 310S<br>*) | W.-Nr. 1.4876<br>Alloy 800H<br>*) | W.-Nr. 1.4878<br>AISI 321H<br>*) | W.-Nr. 1.4923<br>**) |
|--------|---------------------|-----------------------|-----------------------|-----------------------------------|---------------------------------|---------------------------------|----------------------------------|-----------------------------------|----------------------------------|----------------------|
| 6,00   | 0,22                |                       |                       |                                   | ▪                               | ▪                               | ▪                                |                                   |                                  |                      |
| 8,00   | 0,40                |                       |                       |                                   | ▪                               | ▪                               | ▪                                |                                   |                                  |                      |
| 10,00  | 0,62                |                       | ▪                     |                                   | ▪                               | ▪                               | ▪                                |                                   |                                  |                      |
| 12,00  | 0,89                |                       |                       |                                   | ▪                               | ▪                               | ▪                                |                                   |                                  |                      |
| 14,00  | 1,21                |                       |                       |                                   |                                 | ▪                               |                                  |                                   |                                  |                      |
| 15,00  | 1,39                |                       |                       |                                   | ▪                               | ▪                               | ▪                                |                                   |                                  |                      |
| 16,00  | 1,58                | ▪                     | ▪                     | ▪                                 | ▪                               | ▪                               |                                  |                                   |                                  |                      |
| 18,00  | 2,00                |                       |                       |                                   | ▪                               | ▪                               |                                  |                                   |                                  |                      |
| 20,00  | 2,47                | ▪                     | ▪                     | ▪                                 | ▪                               | ▪                               | ▪                                |                                   | ▪                                | ▪                    |
| 22,00  | 2,98                |                       | ▪                     |                                   | ▪                               | ▪                               |                                  |                                   | ▪                                |                      |
| 24,00  | 3,55                |                       |                       |                                   | ▪                               | ▪                               |                                  |                                   | ▪                                |                      |
| 25,00  | 3,85                | ▪                     |                       | ▪                                 | ▪                               | ▪                               |                                  | ▪                                 | ▪                                | ▪                    |
| 26,00  | 4,17                |                       |                       |                                   | ▪                               |                                 |                                  |                                   |                                  |                      |
| 28,00  | 4,83                | ▪                     |                       | ▪                                 | ▪                               | ▪                               |                                  |                                   | ▪                                |                      |
| 30,00  | 5,55                | ▪                     | ▪                     | ▪                                 | ▪                               | ▪                               | ▪                                | ▪                                 | ▪                                | ▪                    |
| 32,00  | 6,31                |                       |                       |                                   | ▪                               | ▪                               |                                  |                                   | ▪                                |                      |
| 35,00  | 7,55                | ▪                     | ▪                     | ▪                                 | ▪                               | ▪                               |                                  |                                   | ▪                                | ▪                    |
| 36,00  | 7,99                |                       |                       |                                   | ▪                               | ▪                               |                                  |                                   | ▪                                |                      |
| 38,00  | 8,90                |                       |                       |                                   |                                 |                                 |                                  |                                   | ▪                                |                      |
| 40,00  | 9,87                | ▪                     | ▪                     | ▪                                 | ▪                               | ▪                               | ▪                                | ▪                                 | ▪                                | ▪                    |
| 42,00  | 10,88               |                       |                       |                                   | ▪                               |                                 |                                  |                                   | ▪                                |                      |
| 45,00  | 12,49               |                       |                       | ▪                                 | ▪                               | ▪                               |                                  |                                   | ▪                                | ▪                    |
| 50,00  | 15,41               | ▪                     | ▪                     | ▪                                 | ▪                               | ▪                               | ▪                                | ▪                                 | ▪                                | ▪                    |
| 52,00  | 16,62               |                       |                       |                                   |                                 |                                 |                                  |                                   | ▪                                |                      |
| 55,00  | 18,65               | ▪                     |                       | ▪                                 | ▪                               | ▪                               |                                  |                                   | ▪                                | ▪                    |
| 60,00  | 22,20               | ▪                     | ▪                     | ▪                                 | ▪                               | ▪                               | ▪                                |                                   | ▪                                | ▪                    |
| 65,00  | 26,05               |                       |                       |                                   | ▪                               | ▪                               |                                  |                                   | ▪                                | ▪                    |
| 70,00  | 30,21               | ▪                     |                       | ▪                                 | ▪                               | ▪                               |                                  |                                   | ▪                                | ▪                    |
| 75,00  | 34,68               |                       |                       | ▪                                 | ▪                               | ▪                               |                                  |                                   | ▪                                | ▪                    |
| 80,00  | 39,46               | ▪                     | ▪                     | ▪                                 | ▪                               | ▪                               | ▪                                |                                   | ▪                                | ▪                    |
| 85,00  | 44,55               |                       |                       |                                   | ▪                               | ▪                               |                                  |                                   | ▪                                |                      |
| 90,00  | 49,94               |                       |                       | ▪                                 | ▪                               | ▪                               |                                  |                                   | ▪                                | ▪                    |
| 95,00  | 55,64               |                       |                       |                                   | ▪                               | ▪                               |                                  |                                   | ▪                                |                      |
| 100,00 | 61,65               | ▪                     |                       | ▪                                 | ▪                               | ▪                               | ▪                                |                                   | ▪                                | ▪                    |
| 105,00 | 67,97               |                       |                       |                                   |                                 |                                 |                                  |                                   | ▪                                |                      |
| 110,00 | 74,60               |                       |                       |                                   | ▪                               | ▪                               |                                  |                                   | ▪                                |                      |
| 115,00 | 81,54               |                       |                       |                                   |                                 |                                 |                                  |                                   | ▪                                |                      |
| 120,00 | 88,78               |                       |                       | ▪                                 | ▪                               | ▪                               |                                  |                                   | ▪                                | ▪                    |
| 125,00 | 96,33               |                       |                       |                                   |                                 |                                 | ▪                                |                                   | ▪                                |                      |

\*/\*\*/\*\*\*) Uitvoeringen zie pagina 9

| mm     | Theor. Gew.<br>kg/m | W.-Nr. 1.4713<br>***) | W.-Nr. 1.4742<br>***) | W.-Nr. 1.4762<br>AISI 446<br>***) | W.-Nr. 1.4828<br>AISI 309<br>*) | W.-Nr. 1.4841<br>AISI 314<br>*) | W.-Nr. 1.4845<br>AISI 310S<br>*) | W.-Nr. 1.4876<br>Alloy 800H<br>*) | W.-Nr. 1.4878<br>AISI 321H<br>*) | W.-Nr. 1.4923<br>**) |
|--------|---------------------|-----------------------|-----------------------|-----------------------------------|---------------------------------|---------------------------------|----------------------------------|-----------------------------------|----------------------------------|----------------------|
| 130,00 | 104,20              |                       |                       |                                   | ▪                               | ▪                               |                                  |                                   | ▪                                | ▪                    |
| 135,00 | 112,40              |                       |                       |                                   |                                 |                                 |                                  |                                   | ▪                                |                      |
| 140,00 | 120,80              |                       |                       |                                   | ▪                               | ▪                               |                                  |                                   | ▪                                | ▪                    |
| 145,00 | 129,60              |                       |                       |                                   |                                 |                                 |                                  |                                   | ▪                                |                      |
| 150,00 | 138,70              |                       |                       |                                   | ▪                               | ▪                               | ▪                                |                                   | ▪                                | ▪                    |
| 155,00 | 148,10              |                       |                       |                                   |                                 |                                 |                                  |                                   | ▪                                |                      |
| 160,00 | 157,80              |                       |                       |                                   | ▪                               | ▪                               |                                  |                                   | ▪                                |                      |
| 165,00 | 167,90              |                       |                       |                                   |                                 |                                 |                                  |                                   | ▪                                |                      |
| 170,00 | 178,20              |                       |                       |                                   | ▪                               | ▪                               |                                  |                                   | ▪                                |                      |
| 175,00 | 188,80              |                       |                       |                                   |                                 |                                 |                                  |                                   | ▪                                |                      |
| 180,00 | 199,80              |                       |                       |                                   | ▪                               | ▪                               |                                  |                                   | ▪                                | ▪                    |
| 185,00 | 211,00              |                       |                       |                                   |                                 |                                 |                                  |                                   | ▪                                |                      |
| 190,00 | 222,60              |                       |                       |                                   | ▪                               |                                 |                                  |                                   | ▪                                | ▪                    |
| 200,00 | 246,60              |                       |                       |                                   | ▪                               | ▪                               |                                  |                                   | ▪                                | ▪                    |
| 210,00 | 271,90              |                       |                       |                                   | ▪                               | ▪                               |                                  |                                   | ▪                                |                      |
| 220,00 | 298,40              |                       |                       |                                   |                                 |                                 |                                  |                                   | ▪                                | ▪                    |
| 225,00 | 312,10              |                       |                       |                                   | ▪                               | ▪                               |                                  |                                   |                                  |                      |
| 230,00 | 326,20              |                       |                       |                                   |                                 |                                 |                                  |                                   | ▪                                | ▪                    |
| 240,00 | 355,10              |                       |                       |                                   |                                 |                                 |                                  |                                   | ▪                                | ▪                    |
| 250,00 | 385,30              |                       |                       |                                   | ▪                               | ▪                               |                                  |                                   | ▪                                | ▪                    |
| 260,00 | 416,80              |                       |                       |                                   |                                 |                                 |                                  |                                   | ▪                                |                      |
| 270,00 | 449,50              |                       |                       |                                   |                                 |                                 |                                  |                                   | ▪                                |                      |
| 275,00 | 466,30              |                       |                       |                                   |                                 | ▪                               |                                  |                                   |                                  |                      |
| 280,00 | 483,40              |                       |                       |                                   |                                 |                                 |                                  |                                   | ▪                                |                      |
| 290,00 | 518,50              |                       |                       |                                   |                                 |                                 |                                  |                                   | ▪                                | ▪                    |
| 300,00 | 554,90              |                       |                       |                                   |                                 | ▪                               |                                  |                                   | ▪                                | ▪                    |
| 310,00 | 592,00              |                       |                       |                                   |                                 |                                 |                                  |                                   | ▪                                |                      |
| 325,00 | 651,20              |                       |                       |                                   |                                 |                                 |                                  |                                   | ▪                                |                      |
| 340,00 | 713,00              |                       |                       |                                   |                                 |                                 |                                  |                                   | ▪                                |                      |
| 350,00 | 755,30              |                       |                       |                                   |                                 |                                 |                                  |                                   | ▪                                |                      |
| 360,00 | 799,00              |                       |                       |                                   |                                 |                                 |                                  |                                   | ▪                                |                      |
| 375,00 | 867,00              |                       |                       |                                   |                                 |                                 |                                  |                                   | ▪                                |                      |
| 400,00 | 986,50              |                       |                       |                                   |                                 |                                 |                                  |                                   | ▪                                |                      |
| 425,00 | 1.114,00            |                       |                       |                                   |                                 |                                 |                                  |                                   | ▪                                |                      |
| 450,00 | 1.249,00            |                       |                       |                                   |                                 |                                 |                                  |                                   | ▪                                |                      |
| 475,00 | 1.391,00            |                       |                       |                                   |                                 |                                 |                                  |                                   | ▪                                |                      |
| 500,00 | 1.541,00            |                       |                       |                                   |                                 |                                 |                                  |                                   | ▪                                |                      |
| 525,00 | 1.699,00            |                       |                       |                                   |                                 |                                 |                                  |                                   | ▪                                |                      |

\*/\*\*/\*\*\*) Uitvoeringen zie pagina 9

| mm     | Theor. Gew.<br>kg/m | W.-Nr.<br>1.4410<br>UNS<br>S32750<br>)<br>Super Duplex | W.-Nr.<br>1.4460<br>UNS<br>S32900<br>)<br>Duplex | W.-Nr.<br>1.4462<br>UNS<br>S31803<br>)<br>Duplex | W.-Nr.<br>1.4501<br>UNS<br>S32760<br>)<br>Super Duplex |
|--------|---------------------|--|--|--|--|
| 16,00  | 1,58                | ▪  |  |  |  |
| 20,00  | 2,47                | ▪  |  | ▪  |  |
| 22,00  | 2,98                |  |  | ▪  |  |
| 25,00  | 3,85                |  |  | ▪  | ▪  |
| 28,00  | 4,83                |  |  | ▪  |  |
| 28,60  | 5,04                |  | ▪  |  |  |
| 30,00  | 5,55                | ▪  |  | ▪  | ▪  |
| 31,00  | 5,93                |  | ▪  |  |  |
| 33,00  | 6,71                |  | ▪  |  |  |
| 35,00  | 7,55                |  |  | ▪  | ▪  |
| 36,00  | 7,99                |  | ▪  |  |  |
| 40,00  | 9,87                | ▪  |  | ▪  | ▪  |
| 45,00  | 12,49               |  |  | ▪  | ▪  |
| 46,00  | 13,05               |  | ▪  |  |  |
| 50,00  | 15,41               | ▪  |  | ▪  | ▪  |
| 51,20  | 16,46               |  | ▪  |  |  |
| 55,00  | 18,65               |  |  | ▪  |  |
| 56,20  | 19,84               |  | ▪  |  |  |
| 60,00  | 22,20               | ▪  |  | ▪  | ▪  |
| 61,20  | 23,52               |  | ▪  |  |  |
| 65,00  | 26,05               |  |  | ▪  |  |
| 66,20  | 26,86               |  | ▪  |  |  |
| 70,00  | 30,21               | ▪  |  | ▪  | ▪  |
| 71,40  | 32,02               |  | ▪  |  |  |
| 75,00  | 34,68               |  |  | ▪  | ▪  |
| 76,40  | 36,66               |  | ▪  |  |  |
| 80,00  | 39,46               | ▪  |  | ▪  | ▪  |
| 81,40  | 41,61               |  | ▪  |  |  |
| 85,00  | 44,55               |  |  | ▪  |  |
| 86,40  | 46,88               |  | ▪  |  |  |
| 90,00  | 49,94               | ▪  |  | ▪  | ▪  |
| 91,40  | 52,46               |  | ▪  |  |  |
| 95,00  | 55,64               |  |  | ▪  |  |
| 96,40  | 58,36               |  | ▪  |  |  |
| 100,00 | 61,65               | ▪  |  | ▪  | ▪  |
| 102,00 | 64,11               |  | ▪  |  |  |
| 105,00 | 67,97               |  |  | ▪  |  |

\* Uitvoeringen zie pagina 9

| mm     | Theor. Gew. kg/m | W.-Nr. 1.4410<br>UNS S32750 *)<br>Super Duplex | W.-Nr. 1.4460<br>UNS S32900 *)<br>Duplex | W.-Nr. 1.4462<br>UNS S31803 *)<br>Duplex | W.-Nr. 1.4501<br>UNS S32760 *)<br>Super Duplex |
|--------|------------------|--|--|--|--|
| 107,00 | 70,55            |  | ▪  |  |  |
| 110,00 | 74,60            | ▪  |  | ▪  | ▪  |
| 112,00 | 77,30            |  | ▪  |  |  |
| 115,00 | 81,54            |  |  | ▪  |  |
| 117,00 | 84,36            |  | ▪  |  |  |
| 120,00 | 88,78            | ▪  |  | ▪  | ▪  |
| 122,00 | 91,72            |  | ▪  |  |  |
| 125,00 | 96,33            |  |  | ▪  |  |
| 127,00 | 99,44            |  | ▪  |  |  |
| 130,00 | 104,20           | ▪  |  | ▪  | ▪  |
| 132,00 | 107,40           |  | ▪  |  |  |
| 135,00 | 112,40           |  |  | ▪  |  |
| 140,00 | 120,80           | ▪  |  | ▪  | ▪  |
| 143,00 | 126,10           |  | ▪  |  |  |
| 145,00 | 129,60           |  |  | ▪  |  |
| 150,00 | 138,70           | ▪  |  | ▪  | ▪  |
| 153,00 | 144,30           |  | ▪  |  |  |
| 160,00 | 157,80           | ▪  |  | ▪  | ▪  |
| 163,00 | 163,80           |  | ▪  |  |  |
| 165,00 | 167,90           |  |  | ▪  |  |
| 170,00 | 178,20           | ▪  |  | ▪  | ▪  |
| 173,00 | 184,50           |  | ▪  |  |  |
| 180,00 | 199,80           | ▪  |  | ▪  | ▪  |
| 184,00 | 208,70           |  | ▪  |  |  |
| 190,00 | 222,60           |  |  | ▪  |  |
| 194,00 | 232,00           |  | ▪  |  |  |
| 200,00 | 246,60           | ▪  |  | ▪  | ▪  |
| 210,00 | 271,90           |  | ▪  | ▪  |  |
| 220,00 | 298,40           |  |  | ▪  |  |
| 224,00 | 309,40           |  | ▪  |  |  |
| 225,00 | 312,10           |  |  |  | ▪  |
| 230,00 | 326,20           |  |  | ▪  |  |
| 240,00 | 355,10           |  |  | ▪  |  |
| 250,00 | 385,30           |  | ▪  | ▪  | ▪  |
| 255,00 | 400,90           |  | ▪  |  |  |
| 260,00 | 416,80           |  |  | ▪  |  |
| 270,00 | 449,50           |  | ▪  | ▪  |  |

\* Uitvoeringen zie pagina 9

| mm     | Theor. Gew.<br>kg/m | W.-Nr. 1.4410<br>UNS S32750<br>(*)<br>Super Duplex | W.-Nr. 1.4460<br>UNS S32900<br>(*)<br>Duplex | W.-Nr. 1.4462<br>UNS S31803<br>(*)<br>Duplex | W.-Nr. 1.4501<br>UNS S32760<br>(*)<br>Super Duplex |
|--------|---------------------|--|--|--|--|
| 275,00 | 466,30              |  |  |  | ▪  |
| 280,00 | 483,40              |  |  | ▪  |  |
| 290,00 | 518,50              |  | ▪  | ▪  |  |
| 300,00 | 554,90              |  |  | ▪  | ▪  |
| 310,00 | 592,00              |  | ▪  | ▪  |  |
| 320,00 | 631,00              |  |  | ▪  |  |
| 330,00 | 671,00              |  |  | ▪  |  |
| 340,00 | 713,00              |  |  | ▪  |  |
| 350,00 | 755,30              |  |  | ▪  |  |
| 360,00 | 799,00              |  |  | ▪  |  |
| 370,00 | 844,00              |  | ▪  | ▪  |  |
| 380,00 | 890,00              |  |  | ▪  |  |
| 390,00 | 938,00              |  |  | ▪  |  |
| 400,00 | 986,50              |  |  | ▪  |  |
| 425,00 | 1.114,00            |  |  | ▪  |  |
| 450,00 | 1.249,00            |  |  | ▪  |  |
| 475,00 | 1.391,00            |  |  | ▪  |  |
| 500,00 | 1.541,00            |  |  | ▪  |  |

\* Uitvoeringen zie pagina 9







VIERKANT- EN  
ZESKANTSTAF  
warmvervaardigd

26 - 29



# De scherpe kanten van ons

De vele toepassingsmogelijkheden van vierkant- en zeskantstaf maken dit materiaal aantrekkelijk voor verschillende industrieën. Ons assortiment vierkant en zeskant is doorlopend voor u beschikbaar en kan desgewenst op de door u gewenste lengte gezaagd worden.

## **Vierkant- en zeskantstaf | warmvervaardigd**

op handelslengten van 4-6 m

- \* oplossend gegloeid, gebeitst, deels nog voorzien van de oxidehuid
- \*\* veredeld, gebeitst, deels nog voorzien van de oxidehuid

## **Maatnormen**

DIN EN 10059 (vierkantstaf)

DIN EN 10061 (zeskantstaf)

resp. DIN 7527, blad 6

## **Keuringscertificaten**

DIN EN 10204 3.1 resp. fabriekscertificaat 2.1.2.2

\*/\*\* Inhoud zie pagina 29

| mm     | Theor. Gew.<br>kg/m | W.-Nr. 1.4057<br>AISI 431<br>**) | W.-Nr. 1.4104<br>AISI 430F<br>**) | W.-Nr. 1.4301<br>AISI 304<br>*) | W.-Nr. 1.4305<br>AISI 303<br>*) | W.-Nr. 1.4307<br>AISI 304L<br>*) | W.-Nr. 1.4401<br>AISI 316<br>*) | W.-Nr. 1.4404<br>AISI 316L<br>*) | W.-Nr. 1.4435<br>AISI 316L<br>*) | W.-Nr. 1.4541<br>AISI 321<br>*) | W.-Nr. 1.4571<br>AISI 316Ti<br>*) |
|--------|---------------------|----------------------------------|-----------------------------------|---------------------------------|---------------------------------|----------------------------------|---------------------------------|----------------------------------|----------------------------------|---------------------------------|-----------------------------------|
| 10,00  | 0,79                |                                  |                                   |                                 |                                 |                                  |                                 |                                  | ▪                                |                                 |                                   |
| 15,00  | 1,77                |                                  |                                   | ▪                               |                                 | ▪                                | ▪                               | ▪                                |                                  |                                 | ▪                                 |
| 20,00  | 3,14                |                                  |                                   | ▪                               |                                 | ▪                                | ▪                               | ▪                                | ▪                                |                                 | ▪                                 |
| 25,00  | 4,91                |                                  |                                   | ▪                               |                                 | ▪                                | ▪                               | ▪                                |                                  | ▪                               | ▪                                 |
| 30,00  | 7,07                |                                  |                                   | ▪                               |                                 | ▪                                | ▪                               | ▪                                | ▪                                | ▪                               | ▪                                 |
| 32,00  | 8,04                |                                  |                                   | ▪                               |                                 | ▪                                |                                 |                                  |                                  |                                 |                                   |
| 35,00  | 9,62                |                                  |                                   | ▪                               |                                 | ▪                                | ▪                               | ▪                                |                                  | ▪                               | ▪                                 |
| 40,00  | 12,56               | ▪                                |                                   | ▪                               | ▪                               | ▪                                | ▪                               | ▪                                | ▪                                | ▪                               | ▪                                 |
| 45,00  | 15,90               |                                  |                                   | ▪                               |                                 | ▪                                | ▪                               | ▪                                |                                  | ▪                               | ▪                                 |
| 50,00  | 19,63               | ▪                                |                                   | ▪                               | ▪                               | ▪                                | ▪                               | ▪                                | ▪                                | ▪                               | ▪                                 |
| 55,00  | 23,75               |                                  |                                   | ▪                               |                                 | ▪                                |                                 |                                  |                                  |                                 | ▪                                 |
| 60,00  | 28,26               | ▪                                |                                   | ▪                               | ▪                               | ▪                                | ▪                               | ▪                                | ▪                                | ▪                               | ▪                                 |
| 65,00  | 33,17               |                                  |                                   | ▪                               |                                 | ▪                                |                                 |                                  |                                  | ▪                               | ▪                                 |
| 70,00  | 38,47               |                                  |                                   | ▪                               |                                 | ▪                                | ▪                               | ▪                                |                                  | ▪                               | ▪                                 |
| 75,00  | 44,16               |                                  |                                   | ▪                               |                                 | ▪                                |                                 |                                  |                                  |                                 | ▪                                 |
| 80,00  | 50,24               | ▪                                | ▪                                 | ▪                               | ▪                               | ▪                                | ▪                               | ▪                                | ▪                                | ▪                               | ▪                                 |
| 85,00  | 56,72               |                                  |                                   | ▪                               |                                 | ▪                                |                                 |                                  |                                  |                                 | ▪                                 |
| 90,00  | 63,59               | ▪                                |                                   | ▪                               | ▪                               | ▪                                |                                 |                                  |                                  | ▪                               | ▪                                 |
| 100,00 | 78,50               | ▪                                |                                   | ▪                               | ▪                               | ▪                                | ▪                               | ▪                                |                                  | ▪                               | ▪                                 |
| 110,00 | 94,99               |                                  |                                   |                                 | ▪                               |                                  |                                 |                                  |                                  |                                 | ▪                                 |
| 120,00 | 113,00              |                                  |                                   | ▪                               | ▪                               | ▪                                | ▪                               | ▪                                |                                  | ▪                               | ▪                                 |
| 135,00 | 143,10              |                                  |                                   |                                 |                                 |                                  |                                 |                                  |                                  | ▪                               |                                   |
| 140,00 | 153,90              |                                  |                                   | ▪                               |                                 | ▪                                |                                 |                                  |                                  |                                 | ▪                                 |
| 150,00 | 176,60              |                                  |                                   | ▪                               | ▪                               | ▪                                | ▪                               | ▪                                |                                  | ▪                               | ▪                                 |
| 160,00 | 201,00              |                                  |                                   |                                 |                                 |                                  |                                 |                                  |                                  |                                 | ▪                                 |
| 180,00 | 254,30              |                                  |                                   |                                 |                                 |                                  |                                 |                                  |                                  |                                 | ▪                                 |
| 200,00 | 314,00              |                                  |                                   |                                 |                                 |                                  |                                 |                                  |                                  |                                 | ▪                                 |

\*/\*\* Uitvoeringen zie pagina 25

| mm    | Theor. Gew.<br>kg/m | W.-Nr.<br>1.4539<br><br>AISI<br>904L<br>(*) |
|-------|---------------------|---|
| 15,00 | 1,77                | ▪   |
| 40,00 | 12,56               | ▪   |
| 50,00 | 19,63               | ▪   |
| 60,00 | 28,26               | ▪   |

\* Uitvoeringen zie pagina 25



| mm     | Theor. Gew.<br>kg/m | W.-Nr.<br>1.4841<br>AISI<br>314<br>(*) | W.-Nr.<br>1.4878<br>AISI<br>321H<br>(*) |
|--------|---------------------|--|---|
| 10,00  | 0,79                | ▪                                      |   |
| 12,00  | 1,13                | ▪                                      |   |
| 15,00  | 1,77                | ▪                                      |   |
| 20,00  | 3,14                | ▪                                      |   |
| 25,00  | 4,91                | ▪                                      | ▪                                       |
| 30,00  | 7,07                | ▪                                      | ▪                                       |
| 35,00  | 9,62                |  | ▪                                       |
| 40,00  | 12,56               | ▪                                      | ▪                                       |
| 45,00  | 15,90               |  | ▪                                       |
| 50,00  | 19,63               | ▪                                      | ▪                                       |
| 60,00  | 28,26               | ▪                                      | ▪                                       |
| 65,00  | 33,17               |  | ▪                                       |
| 70,00  | 38,47               |  | ▪                                       |
| 80,00  | 50,24               | ▪                                      | ▪                                       |
| 90,00  | 63,59               |  | ▪                                       |
| 100,00 | 78,50               |  | ▪                                       |
| 120,00 | 113,00              |  | ▪                                       |
| 135,00 | 143,10              |  | ▪                                       |
| 150,00 | 176,60              |  | ▪                                       |

# Vierkantstaf | warmvervaardigd | Duplex

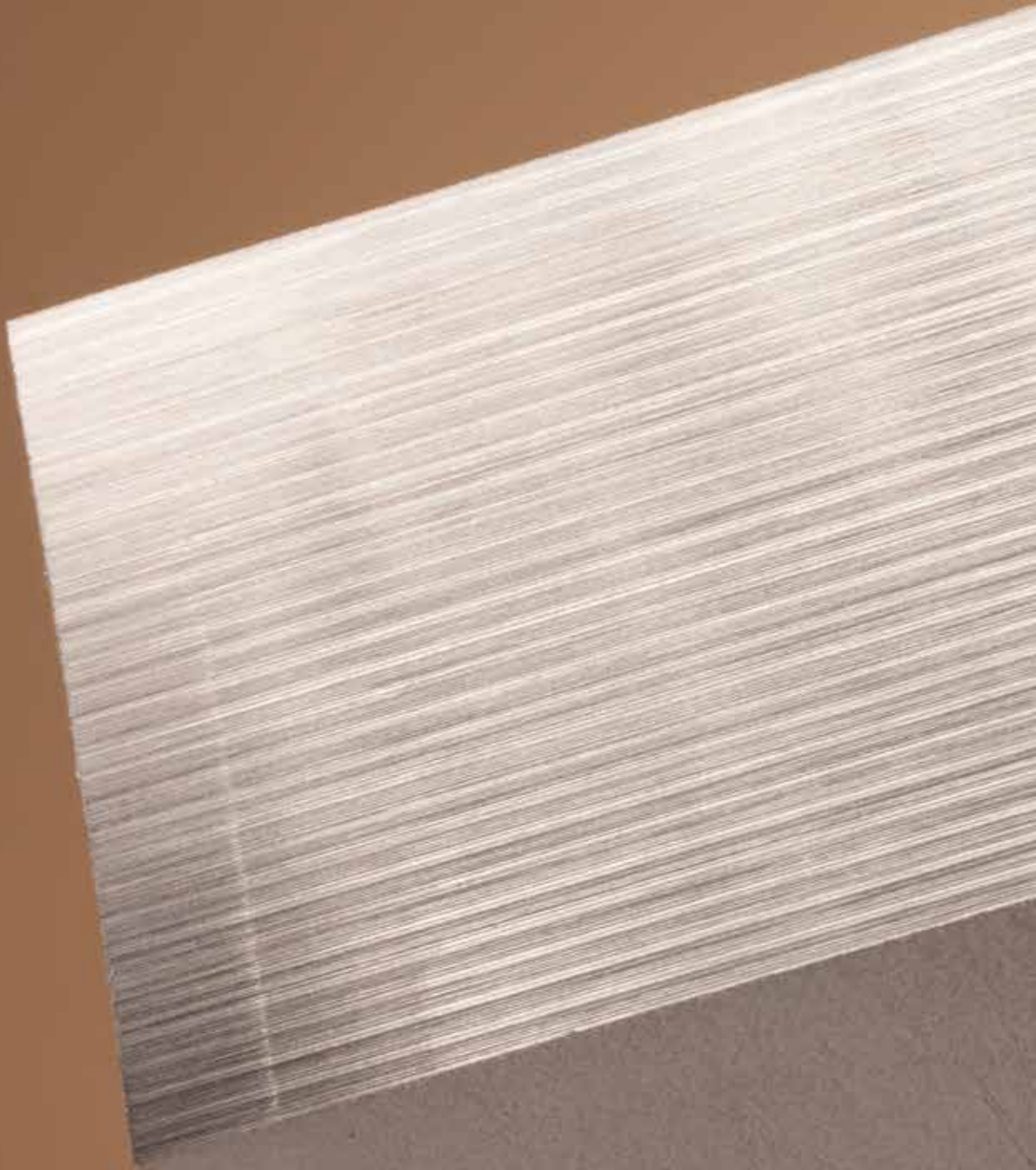
| mm    | Theor. Gew.<br>kg/m | W.-Nr.<br>1.4462<br>UNS<br>S31803<br>(*)<br>Duplex |
|-------|---------------------|--|
| 20,00 | 3,14                | ▪  |
| 25,00 | 4,91                | ▪  |
| 30,00 | 7,07                | ▪  |
| 40,00 | 12,56               | ▪  |
| 50,00 | 19,63               | ▪  |

\* Uitvoeringen zie pagina 25

| mm    | Theor. Gew.<br>kg/m | W.-Nr. 1.4301<br>AISI 304<br>(*) | W.-Nr. 1.4307<br>AISI 304L<br>(*) | W.-Nr. 1.4571<br>AISI 316Ti<br>(*) |
|-------|---------------------|----------------------------------|-----------------------------------|------------------------------------|
| 70,00 | 33,31               | ▪                                | ▪                                 | ▪                                  |
| 75,00 | 38,24               |                                  |                                   | ▪                                  |
| 80,00 | 43,51               |                                  |                                   | ▪                                  |
| 85,00 | 49,12               |                                  |                                   | ▪                                  |
| 90,00 | 55,07               |                                  |                                   | ▪                                  |

\* Uitvoeringen zie pagina 25





## PLATSTAF

warmvervaardigd resp. uit plaat  
of band geproduceerd

32 - 47

# Plat en veelzijdig

De toepassing van platte staven is heel veelzijdig. Zo is er de keuze uit warmvervaardigd of geslit plat uit plaat of band, eventueel geslepen en desgewenst afgestemd op kwaliteit en uitvoering volgens uw specificaties.

## **Platstaf | warmvervaardigd resp. uit plaat of band geproduceerd**

op handelslengten van 4-6 m

- \* oplossend gegloeid, gebeitst (bij geslit plat voor het snijden)  
deels nog voorzien van de oxidehuid
- \*\* veredeld, gebeitst, deels nog voorzien van de oxidehuid
- \*\*\* gegloeid, voorzien van de oxidehuid

## **Maatnormen**

DIN EN 10058 voor warmvervaardigde producten

Voor geslit materiaal en materiaaldiktes <5 mm geldt de eerder genoemde norm voor breedte en diktetolerantie.

## **Keuringscertificaten**

DIN EN 10204 3.1 of fabriekscertificaat 2.1/2.2

\*/\*\*/\*\*\* Inhoud zie pagina 32 tot 47

| mm      | Theor. Gew.<br>kg/m | W.-Nr. 1.4057<br>AISI 431<br>**) | W.-Nr. 1.4301<br>AISI 304<br>*) | W.-Nr. 1.4307<br>AISI 304L<br>*) | W.-Nr. 1.4401<br>AISI 316<br>*) | W.-Nr. 1.4404<br>AISI 316L<br>*) | W.-Nr. 1.4541<br>AISI 321<br>*) | W.-Nr. 1.4571<br>AISI 316Ti<br>*) |
|---------|---------------------|----------------------------------|---------------------------------|----------------------------------|---------------------------------|----------------------------------|---------------------------------|-----------------------------------|
| 10 x 4  | 0,31                |                                  | ▪                               | ▪                                |                                 |                                  |                                 |                                   |
| 10 x 5  | 0,39                |                                  | ▪                               | ▪                                |                                 |                                  |                                 | ▪                                 |
| 10 x 6  | 0,47                |                                  | ▪                               | ▪                                |                                 |                                  |                                 | ▪                                 |
| 12 x 3  | 0,28                |                                  | ▪                               | ▪                                |                                 |                                  |                                 |                                   |
| 12 x 4  | 0,38                |                                  | ▪                               | ▪                                |                                 |                                  |                                 |                                   |
| 12 x 5  | 0,47                |                                  | ▪                               | ▪                                |                                 |                                  |                                 |                                   |
| 12 x 6  | 0,57                |                                  | ▪                               | ▪                                |                                 |                                  |                                 | ▪                                 |
| 12 x 8  | 0,75                |                                  | ▪                               | ▪                                |                                 |                                  |                                 | ▪                                 |
| 12 x 10 | 0,94                |                                  | ▪                               | ▪                                |                                 |                                  |                                 |                                   |
| 15 x 3  | 0,35                |                                  | ▪                               | ▪                                |                                 |                                  |                                 | ▪                                 |
| 15 x 4  | 0,47                |                                  | ▪                               | ▪                                |                                 |                                  |                                 |                                   |
| 15 x 5  | 0,59                |                                  | ▪                               | ▪                                |                                 |                                  |                                 | ▪                                 |
| 15 x 6  | 0,71                |                                  | ▪                               | ▪                                |                                 |                                  |                                 | ▪                                 |
| 15 x 8  | 0,94                |                                  | ▪                               | ▪                                |                                 |                                  |                                 | ▪                                 |
| 15 x 10 | 1,18                |                                  | ▪                               | ▪                                |                                 |                                  |                                 | ▪                                 |
| 20 x 3  | 0,47                |                                  | ▪                               | ▪                                |                                 |                                  |                                 | ▪                                 |
| 20 x 4  | 0,63                |                                  | ▪                               | ▪                                |                                 |                                  |                                 | ▪                                 |
| 20 x 5  | 0,79                |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 20 x 6  | 0,94                |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 20 x 8  | 1,26                |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 20 x 10 | 1,57                |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 20 x 12 | 1,88                |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 20 x 15 | 2,36                |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 25 x 3  | 0,59                |                                  | ▪                               | ▪                                |                                 |                                  |                                 |                                   |
| 25 x 4  | 0,79                |                                  | ▪                               | ▪                                |                                 |                                  |                                 | ▪                                 |
| 25 x 5  | 0,98                |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 25 x 6  | 1,18                |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 25 x 8  | 1,57                |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 25 x 10 | 1,96                |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 25 x 12 | 2,36                |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 25 x 15 | 2,94                |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 25 x 20 | 3,93                |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 30 x 3  | 0,71                |                                  | ▪                               | ▪                                |                                 |                                  |                                 |                                   |
| 30 x 4  | 0,94                |                                  | ▪                               | ▪                                |                                 |                                  |                                 | ▪                                 |
| 30 x 5  | 1,18                |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 30 x 6  | 1,41                |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 30 x 8  | 1,88                |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 30 x 10 | 2,36                |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 30 x 12 | 2,83                |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |

\*/\*\* Uitvoeringen zie pagina 31



| mm      | Theor. Gew. kg/m | W.-Nr. 1.4057<br>AISI 431 (**) | W.-Nr. 1.4301<br>AISI 304 (*) | W.-Nr. 1.4307<br>AISI 304L (*) | W.-Nr. 1.4401<br>AISI 316 (*) | W.-Nr. 1.4404<br>AISI 316L (*) | W.-Nr. 1.4541<br>AISI 321 (*) | W.-Nr. 1.4571<br>AISI 316Ti (*) |
|---------|------------------|--------------------------------|-------------------------------|--------------------------------|-------------------------------|--------------------------------|-------------------------------|---------------------------------|
| 30 x 15 | 3,53             |                                | ▪                             | ▪                              | ▪                             | ▪                              | ▪                             | ▪                               |
| 30 x 20 | 4,71             | ▪                              | ▪                             | ▪                              | ▪                             | ▪                              | ▪                             | ▪                               |
| 30 x 25 | 5,89             |                                | ▪                             | ▪                              | ▪                             | ▪                              | ▪                             | ▪                               |
| 35 x 3  | 0,82             |                                | ▪                             | ▪                              |                               |                                |                               |                                 |
| 35 x 4  | 1,10             |                                | ▪                             | ▪                              |                               |                                |                               |                                 |
| 35 x 5  | 1,37             |                                | ▪                             | ▪                              | ▪                             | ▪                              |                               | ▪                               |
| 35 x 6  | 1,65             |                                | ▪                             | ▪                              | ▪                             | ▪                              | ▪                             | ▪                               |
| 35 x 8  | 2,20             |                                | ▪                             | ▪                              | ▪                             | ▪                              | ▪                             | ▪                               |
| 35 x 10 | 2,75             |                                | ▪                             | ▪                              | ▪                             | ▪                              | ▪                             | ▪                               |
| 35 x 12 | 3,30             |                                | ▪                             | ▪                              | ▪                             | ▪                              | ▪                             | ▪                               |
| 35 x 15 | 4,12             |                                | ▪                             | ▪                              | ▪                             | ▪                              | ▪                             | ▪                               |
| 35 x 20 | 5,50             |                                | ▪                             | ▪                              | ▪                             | ▪                              | ▪                             | ▪                               |
| 35 x 25 | 6,87             |                                | ▪                             | ▪                              | ▪                             | ▪                              | ▪                             | ▪                               |
| 35 x 30 | 8,24             |                                | ▪                             | ▪                              |                               |                                |                               | ▪                               |
| 40 x 4  | 1,26             |                                | ▪                             | ▪                              | ▪                             | ▪                              |                               | ▪                               |
| 40 x 5  | 1,57             |                                | ▪                             | ▪                              | ▪                             | ▪                              | ▪                             | ▪                               |
| 40 x 6  | 1,88             |                                | ▪                             | ▪                              | ▪                             | ▪                              | ▪                             | ▪                               |
| 40 x 8  | 2,51             |                                | ▪                             | ▪                              | ▪                             | ▪                              | ▪                             | ▪                               |
| 40 x 10 | 3,14             |                                | ▪                             | ▪                              | ▪                             | ▪                              | ▪                             | ▪                               |
| 40 x 12 | 3,77             |                                | ▪                             | ▪                              | ▪                             | ▪                              | ▪                             | ▪                               |
| 40 x 15 | 4,71             |                                | ▪                             | ▪                              | ▪                             | ▪                              | ▪                             | ▪                               |
| 40 x 20 | 6,28             | ▪                              | ▪                             | ▪                              | ▪                             | ▪                              | ▪                             | ▪                               |
| 40 x 25 | 7,85             |                                | ▪                             | ▪                              | ▪                             | ▪                              | ▪                             | ▪                               |
| 40 x 30 | 9,42             | ▪                              | ▪                             | ▪                              | ▪                             | ▪                              | ▪                             | ▪                               |
| 40 x 35 | 10,99            |                                | ▪                             | ▪                              |                               |                                |                               | ▪                               |
| 45 x 5  | 1,77             |                                | ▪                             | ▪                              |                               |                                |                               |                                 |
| 45 x 6  | 2,12             |                                | ▪                             | ▪                              | ▪                             | ▪                              |                               | ▪                               |
| 45 x 8  | 2,83             |                                | ▪                             | ▪                              |                               |                                | ▪                             | ▪                               |
| 45 x 10 | 3,53             |                                | ▪                             | ▪                              | ▪                             | ▪                              | ▪                             | ▪                               |
| 45 x 12 | 4,24             |                                | ▪                             | ▪                              |                               |                                |                               | ▪                               |
| 45 x 15 | 5,30             |                                | ▪                             | ▪                              |                               |                                | ▪                             | ▪                               |
| 45 x 20 | 7,07             |                                | ▪                             | ▪                              |                               |                                | ▪                             | ▪                               |
| 45 x 25 | 8,83             |                                | ▪                             | ▪                              |                               |                                |                               | ▪                               |
| 45 x 30 | 10,60            |                                | ▪                             | ▪                              |                               |                                |                               | ▪                               |
| 45 x 35 | 12,36            |                                |                               |                                |                               |                                |                               | ▪                               |
| 45 x 40 | 14,13            |                                |                               |                                |                               |                                |                               | ▪                               |
| 50 x 4  | 1,57             |                                | ▪                             | ▪                              |                               |                                |                               |                                 |
| 50 x 5  | 1,96             |                                | ▪                             | ▪                              | ▪                             | ▪                              | ▪                             | ▪                               |
| 50 x 6  | 2,36             |                                | ▪                             | ▪                              | ▪                             | ▪                              | ▪                             | ▪                               |

\*/\*\* Uitvoeringen zie pagina 31

| mm      | Theor. Gew.<br>kg/m | W.-Nr. 1.4057<br>AISI 431<br>**) | W.-Nr. 1.4301<br>AISI 304<br>*) | W.-Nr. 1.4307<br>AISI 304L<br>*) | W.-Nr. 1.4401<br>AISI 316<br>*) | W.-Nr. 1.4404<br>AISI 316L<br>*) | W.-Nr. 1.4541<br>AISI 321<br>*) | W.-Nr. 1.4571<br>AISI 316Ti<br>*) |
|---------|---------------------|----------------------------------|---------------------------------|----------------------------------|---------------------------------|----------------------------------|---------------------------------|-----------------------------------|
| 50 x 8  | 3,14                | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 50 x 10 | 3,93                | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 50 x 12 | 4,71                |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 50 x 15 | 5,89                |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 50 x 20 | 7,85                | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 50 x 25 | 9,81                |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 50 x 30 | 11,78               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 50 x 35 | 13,74               |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 50 x 40 | 15,70               |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 50 x 45 | 17,66               |                                  |                                 |                                  |                                 |                                  |                                 | ▪                                 |
| 55 x 8  | 3,45                |                                  | ▪                               | ▪                                |                                 |                                  |                                 | ▪                                 |
| 55 x 10 | 4,32                |                                  | ▪                               | ▪                                |                                 |                                  |                                 | ▪                                 |
| 55 x 12 | 5,18                |                                  | ▪                               | ▪                                |                                 |                                  |                                 |                                   |
| 55 x 15 | 6,48                |                                  | ▪                               | ▪                                |                                 |                                  | ▪                               | ▪                                 |
| 55 x 20 | 8,64                |                                  | ▪                               | ▪                                |                                 |                                  |                                 | ▪                                 |
| 55 x 25 | 10,79               |                                  | ▪                               | ▪                                |                                 |                                  |                                 | ▪                                 |
| 55 x 30 | 12,95               |                                  | ▪                               | ▪                                |                                 |                                  |                                 | ▪                                 |
| 60 x 4  | 1,88                |                                  | ▪                               | ▪                                |                                 |                                  |                                 |                                   |
| 60 x 5  | 2,36                |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 60 x 6  | 2,83                |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 60 x 8  | 3,77                |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 60 x 10 | 4,71                |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 60 x 12 | 5,65                |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 60 x 15 | 7,07                |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 60 x 20 | 9,42                | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 60 x 25 | 11,78               |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 60 x 30 | 14,13               |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 60 x 35 | 16,49               |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 60 x 40 | 18,84               |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 60 x 45 | 21,20               |                                  | ▪                               | ▪                                |                                 |                                  |                                 | ▪                                 |
| 60 x 50 | 23,55               |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 65 x 8  | 4,08                |                                  | ▪                               | ▪                                |                                 |                                  |                                 |                                   |
| 65 x 10 | 5,10                |                                  | ▪                               | ▪                                |                                 |                                  |                                 |                                   |
| 65 x 12 | 6,12                |                                  | ▪                               | ▪                                |                                 |                                  |                                 | ▪                                 |
| 65 x 15 | 7,65                |                                  | ▪                               | ▪                                |                                 |                                  | ▪                               | ▪                                 |
| 65 x 20 | 10,21               |                                  | ▪                               | ▪                                |                                 |                                  |                                 | ▪                                 |
| 65 x 25 | 12,76               |                                  | ▪                               | ▪                                |                                 |                                  |                                 | ▪                                 |
| 65 x 30 | 15,31               |                                  | ▪                               | ▪                                |                                 |                                  |                                 | ▪                                 |
| 65 x 35 | 17,86               |                                  | ▪                               | ▪                                |                                 |                                  |                                 | ▪                                 |

\*/\*\* Uitvoeringen zie pagina 31

| mm      | Theor. Gew. kg/m | W.-Nr. 1.4057<br>AISI 431 (**) | W.-Nr. 1.4301<br>AISI 304 (*) | W.-Nr. 1.4307<br>AISI 304L (*) | W.-Nr. 1.4401<br>AISI 316 (*) | W.-Nr. 1.4404<br>AISI 316L (*) | W.-Nr. 1.4541<br>AISI 321 (*) | W.-Nr. 1.4571<br>AISI 316Ti (*) |
|---------|------------------|--------------------------------|-------------------------------|--------------------------------|-------------------------------|--------------------------------|-------------------------------|---------------------------------|
| 65 x 40 | 20,41            |                                | ▪                             | ▪                              |                               |                                |                               |                                 |
| 70 x 5  | 2,75             |                                | ▪                             | ▪                              |                               |                                |                               | ▪                               |
| 70 x 6  | 3,30             |                                | ▪                             | ▪                              |                               |                                |                               | ▪                               |
| 70 x 8  | 4,40             |                                | ▪                             | ▪                              | ▪                             | ▪                              | ▪                             | ▪                               |
| 70 x 10 | 5,50             |                                | ▪                             | ▪                              | ▪                             | ▪                              | ▪                             | ▪                               |
| 70 x 12 | 6,59             |                                | ▪                             | ▪                              | ▪                             | ▪                              | ▪                             | ▪                               |
| 70 x 15 | 8,24             |                                | ▪                             | ▪                              | ▪                             | ▪                              | ▪                             | ▪                               |
| 70 x 20 | 10,99            |                                | ▪                             | ▪                              | ▪                             | ▪                              | ▪                             | ▪                               |
| 70 x 25 | 13,74            |                                | ▪                             | ▪                              | ▪                             | ▪                              | ▪                             | ▪                               |
| 70 x 30 | 16,49            |                                | ▪                             | ▪                              | ▪                             | ▪                              | ▪                             | ▪                               |
| 70 x 35 | 19,23            |                                | ▪                             | ▪                              | ▪                             | ▪                              | ▪                             | ▪                               |
| 70 x 40 | 21,98            |                                | ▪                             | ▪                              | ▪                             | ▪                              | ▪                             | ▪                               |
| 70 x 45 | 24,73            |                                | ▪                             | ▪                              | ▪                             | ▪                              |                               | ▪                               |
| 70 x 50 | 27,48            |                                | ▪                             | ▪                              | ▪                             | ▪                              | ▪                             | ▪                               |
| 70 x 60 | 32,97            |                                | ▪                             | ▪                              | ▪                             | ▪                              | ▪                             | ▪                               |
| 75 x 8  | 4,71             |                                | ▪                             | ▪                              | ▪                             | ▪                              |                               |                                 |
| 75 x 10 | 5,89             |                                | ▪                             | ▪                              |                               |                                |                               | ▪                               |
| 75 x 12 | 7,07             |                                | ▪                             | ▪                              |                               |                                |                               | ▪                               |
| 75 x 15 | 8,83             |                                | ▪                             | ▪                              |                               |                                | ▪                             | ▪                               |
| 75 x 20 | 11,78            |                                | ▪                             | ▪                              |                               |                                |                               | ▪                               |
| 75 x 25 | 14,72            |                                | ▪                             | ▪                              |                               |                                | ▪                             |                                 |
| 75 x 30 | 17,66            |                                | ▪                             | ▪                              |                               |                                |                               | ▪                               |
| 75 x 35 | 20,61            |                                | ▪                             | ▪                              |                               |                                |                               |                                 |
| 75 x 50 | 29,44            |                                | ▪                             | ▪                              |                               |                                |                               |                                 |
| 75 x 60 | 35,33            |                                |                               |                                |                               |                                |                               | ▪                               |
| 80 x 5  | 3,14             |                                | ▪                             | ▪                              |                               |                                |                               |                                 |
| 80 x 6  | 3,77             |                                | ▪                             | ▪                              | ▪                             | ▪                              | ▪                             | ▪                               |
| 80 x 8  | 5,02             |                                | ▪                             | ▪                              | ▪                             | ▪                              | ▪                             | ▪                               |
| 80 x 10 | 6,28             |                                | ▪                             | ▪                              | ▪                             | ▪                              | ▪                             | ▪                               |
| 80 x 12 | 7,54             |                                | ▪                             | ▪                              | ▪                             | ▪                              | ▪                             | ▪                               |
| 80 x 15 | 9,42             |                                | ▪                             | ▪                              | ▪                             | ▪                              | ▪                             | ▪                               |
| 80 x 20 | 12,56            | ▪                              | ▪                             | ▪                              | ▪                             | ▪                              | ▪                             | ▪                               |
| 80 x 25 | 15,70            |                                | ▪                             | ▪                              | ▪                             | ▪                              | ▪                             | ▪                               |
| 80 x 30 | 18,84            |                                | ▪                             | ▪                              | ▪                             | ▪                              | ▪                             | ▪                               |
| 80 x 35 | 21,98            |                                | ▪                             | ▪                              | ▪                             | ▪                              | ▪                             | ▪                               |
| 80 x 40 | 25,12            |                                | ▪                             | ▪                              | ▪                             | ▪                              | ▪                             | ▪                               |
| 80 x 45 | 28,26            |                                | ▪                             | ▪                              |                               |                                |                               | ▪                               |
| 80 x 50 | 31,40            |                                | ▪                             | ▪                              | ▪                             | ▪                              | ▪                             | ▪                               |
| 80 x 60 | 37,68            |                                | ▪                             | ▪                              | ▪                             | ▪                              | ▪                             | ▪                               |

\*/\*\* Uitvoeringen zie pagina 31

| mm       | Theor. Gew.<br>kg/m | W.-Nr. 1.4057<br>AISI 431<br>**) | W.-Nr. 1.4301<br>AISI 304<br>*) | W.-Nr. 1.4307<br>AISI 304L<br>*) | W.-Nr. 1.4401<br>AISI 316<br>*) | W.-Nr. 1.4404<br>AISI 316L<br>*) | W.-Nr. 1.4541<br>AISI 321<br>*) | W.-Nr. 1.4571<br>AISI 316Ti<br>*) |
|----------|---------------------|----------------------------------|---------------------------------|----------------------------------|---------------------------------|----------------------------------|---------------------------------|-----------------------------------|
| 90 x 6   | 4,24                |                                  | ▪                               | ▪                                |                                 |                                  |                                 |                                   |
| 90 x 8   | 5,65                |                                  | ▪                               | ▪                                |                                 |                                  |                                 | ▪                                 |
| 90 x 10  | 7,07                |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 90 x 12  | 8,48                |                                  | ▪                               | ▪                                |                                 |                                  | ▪                               | ▪                                 |
| 90 x 15  | 10,60               |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 90 x 20  | 14,13               |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 90 x 25  | 17,66               |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 90 x 30  | 21,20               |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 90 x 35  | 24,73               |                                  | ▪                               | ▪                                | ▪                               | ▪                                |                                 | ▪                                 |
| 90 x 40  | 28,26               |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 90 x 45  | 31,79               |                                  | ▪                               | ▪                                |                                 |                                  |                                 | ▪                                 |
| 90 x 50  | 35,33               |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 90 x 60  | 42,39               |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 90 x 70  | 49,46               |                                  |                                 |                                  |                                 |                                  | ▪                               | ▪                                 |
| 100 x 5  | 3,93                |                                  | ▪                               | ▪                                |                                 |                                  |                                 | ▪                                 |
| 100 x 6  | 4,71                |                                  | ▪                               | ▪                                |                                 |                                  |                                 | ▪                                 |
| 100 x 8  | 6,28                |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 100 x 10 | 7,85                |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 100 x 12 | 9,42                |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 100 x 15 | 11,78               |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 100 x 20 | 15,70               |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 100 x 25 | 19,63               |                                  | ▪                               | ▪                                | ▪                               | ▪                                |                                 | ▪                                 |
| 100 x 30 | 23,55               |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 100 x 35 | 27,48               |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 100 x 40 | 31,40               |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 100 x 45 | 35,33               |                                  | ▪                               | ▪                                |                                 |                                  |                                 | ▪                                 |
| 100 x 50 | 39,25               |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 100 x 60 | 47,10               |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 100 x 70 | 54,95               |                                  | ▪                               | ▪                                |                                 |                                  | ▪                               | ▪                                 |
| 110 x 8  | 6,91                |                                  | ▪                               | ▪                                |                                 |                                  |                                 | ▪                                 |
| 110 x 10 | 8,64                |                                  | ▪                               | ▪                                |                                 |                                  | ▪                               | ▪                                 |
| 110 x 12 | 10,36               |                                  | ▪                               | ▪                                |                                 |                                  | ▪                               | ▪                                 |
| 110 x 15 | 12,95               |                                  | ▪                               | ▪                                |                                 |                                  | ▪                               | ▪                                 |
| 110 x 20 | 17,27               |                                  | ▪                               | ▪                                |                                 |                                  | ▪                               | ▪                                 |
| 110 x 25 | 21,59               |                                  | ▪                               | ▪                                |                                 |                                  |                                 | ▪                                 |
| 110 x 30 | 25,91               |                                  | ▪                               | ▪                                |                                 |                                  | ▪                               | ▪                                 |
| 120 x 6  | 5,65                |                                  | ▪                               | ▪                                |                                 |                                  |                                 | ▪                                 |
| 120 x 8  | 7,54                |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 120 x 10 | 9,42                |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |

\*/\*\* Uitvoeringen zie pagina 31

| mm       | Theor. Gew. kg/m | W.-Nr. 1.4057<br>AISI 431<br>**) | W.-Nr. 1.4301<br>AISI 304<br>*) | W.-Nr. 1.4307<br>AISI 304L<br>*) | W.-Nr. 1.4401<br>AISI 316<br>*) | W.-Nr. 1.4404<br>AISI 316L<br>*) | W.-Nr. 1.4541<br>AISI 321<br>*) | W.-Nr. 1.4571<br>AISI 316Ti<br>*) |
|----------|------------------|----------------------------------|---------------------------------|----------------------------------|---------------------------------|----------------------------------|---------------------------------|-----------------------------------|
| 120 x 12 | 11,30            |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 120 x 15 | 14,13            |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 120 x 20 | 18,84            |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 120 x 25 | 23,55            |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 120 x 30 | 28,26            |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 120 x 40 | 37,68            |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 120 x 50 | 47,10            |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 120 x 60 | 56,52            |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 120 x 70 | 65,94            |                                  |                                 |                                  |                                 |                                  | ▪                               | ▪                                 |
| 130 x 8  | 8,16             |                                  | ▪                               | ▪                                |                                 |                                  |                                 |                                   |
| 130 x 10 | 10,21            |                                  | ▪                               | ▪                                | ▪                               | ▪                                |                                 | ▪                                 |
| 130 x 12 | 12,25            |                                  | ▪                               | ▪                                |                                 |                                  |                                 | ▪                                 |
| 130 x 15 | 15,31            |                                  | ▪                               | ▪                                | ▪                               | ▪                                |                                 | ▪                                 |
| 130 x 20 | 20,41            |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 130 x 25 | 25,51            |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 130 x 30 | 30,62            |                                  | ▪                               | ▪                                | ▪                               | ▪                                |                                 | ▪                                 |
| 130 x 40 | 40,82            |                                  |                                 |                                  | ▪                               | ▪                                | ▪                               | ▪                                 |
| 130 x 50 | 51,03            |                                  |                                 |                                  |                                 |                                  | ▪                               | ▪                                 |
| 130 x 60 | 61,23            |                                  |                                 |                                  |                                 |                                  |                                 | ▪                                 |
| 130 x 70 | 71,44            |                                  |                                 |                                  |                                 |                                  |                                 | ▪                                 |
| 140 x 10 | 10,99            |                                  | ▪                               | ▪                                | ▪                               | ▪                                |                                 | ▪                                 |
| 140 x 12 | 13,19            |                                  | ▪                               | ▪                                | ▪                               | ▪                                |                                 | ▪                                 |
| 140 x 15 | 16,49            |                                  | ▪                               | ▪                                | ▪                               | ▪                                |                                 | ▪                                 |
| 140 x 20 | 21,98            |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 140 x 25 | 27,48            |                                  | ▪                               | ▪                                |                                 |                                  |                                 | ▪                                 |
| 140 x 30 | 32,97            |                                  | ▪                               | ▪                                | ▪                               | ▪                                |                                 | ▪                                 |
| 140 x 40 | 43,96            |                                  |                                 |                                  | ▪                               | ▪                                | ▪                               | ▪                                 |
| 140 x 50 | 54,95            |                                  |                                 |                                  |                                 |                                  |                                 | ▪                                 |
| 140 x 60 | 65,94            |                                  |                                 |                                  |                                 |                                  |                                 | ▪                                 |
| 150 x 8  | 9,42             |                                  | ▪                               | ▪                                |                                 |                                  |                                 |                                   |
| 150 x 10 | 11,78            |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 150 x 12 | 14,13            |                                  | ▪                               | ▪                                | ▪                               | ▪                                |                                 | ▪                                 |
| 150 x 15 | 17,66            |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 150 x 20 | 23,55            |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 150 x 25 | 29,44            |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 150 x 30 | 35,33            |                                  | ▪                               | ▪                                | ▪                               | ▪                                | ▪                               | ▪                                 |
| 150 x 40 | 47,10            |                                  | ▪                               | ▪                                | ▪                               | ▪                                |                                 | ▪                                 |
| 150 x 50 | 58,88            |                                  | ▪                               | ▪                                | ▪                               | ▪                                |                                 | ▪                                 |
| 160 x 15 | 18,84            |                                  | ▪                               | ▪                                |                                 |                                  |                                 |                                   |

\*/\*\* Uitvoeringen zie pagina 31

| mm       | Theor. Gew. kg/m | W.-Nr. 1.4057<br>AISI 431 (**) | W.-Nr. 1.4301<br>AISI 304 (*) | W.-Nr. 1.4307<br>AISI 304L (*) | W.-Nr. 1.4401<br>AISI 316 (*) | W.-Nr. 1.4404<br>AISI 316L (*) | W.-Nr. 1.4541<br>AISI 321 (*) | W.-Nr. 1.4571<br>AISI 316Ti (*) |
|----------|------------------|--------------------------------|-------------------------------|--------------------------------|-------------------------------|--------------------------------|-------------------------------|---------------------------------|
| 160 x 20 | 25,12            |                                | ▪                             | ▪                              |                               |                                |                               |                                 |
| 160 x 25 | 31,40            |                                | ▪                             | ▪                              |                               |                                |                               |                                 |
| 160 x 30 | 37,68            |                                | ▪                             | ▪                              |                               |                                |                               |                                 |
| 160 x 40 | 50,24            |                                | ▪                             | ▪                              |                               |                                |                               |                                 |
| 180 x 12 | 16,96            |                                | ▪                             | ▪                              |                               |                                |                               |                                 |
| 180 x 15 | 21,20            |                                | ▪                             | ▪                              |                               |                                |                               |                                 |
| 180 x 20 | 28,26            |                                | ▪                             | ▪                              |                               |                                |                               |                                 |
| 180 x 25 | 35,33            |                                | ▪                             | ▪                              |                               |                                |                               |                                 |
| 180 x 30 | 42,39            |                                | ▪                             | ▪                              |                               |                                |                               |                                 |
| 180 x 40 | 56,52            |                                | ▪                             | ▪                              |                               |                                |                               |                                 |
| 200 x 15 | 23,55            |                                | ▪                             | ▪                              |                               |                                |                               |                                 |
| 200 x 20 | 31,40            |                                | ▪                             | ▪                              |                               |                                |                               |                                 |
| 200 x 30 | 47,10            |                                | ▪                             | ▪                              |                               |                                |                               |                                 |
| 200 x 40 | 62,80            |                                | ▪                             | ▪                              |                               |                                |                               |                                 |

\*/\*\* Uitvoeringen zie pagina 31



| mm      | Theor. Gew.<br>kg/m | W.-Nr.<br>1.4713<br><br>***) | W.-Nr.<br>1.4828<br><br>AISI<br>309<br>*) | W.-Nr.<br>1.4841<br><br>AISI<br>314<br>*) | W.-Nr.<br>1.4878<br><br>AISI<br>321H<br>*) |
|---------|---------------------|------------------------------|---|---|--|
| 15 x 5  | 0,59                |                              |   | ▪   |  |
| 20 x 4  | 0,63                |                              |   | ▪   |  |
| 20 x 5  | 0,79                |                              |   |   | ▪  |
| 20 x 6  | 0,94                |                              |   | ▪   | ▪  |
| 20 x 8  | 1,26                |                              | ▪   | ▪   | ▪  |
| 20 x 10 | 1,57                |                              | ▪   | ▪   | ▪  |
| 20 x 12 | 1,88                |                              |   |   | ▪  |
| 20 x 15 | 2,36                |                              |   |   | ▪  |
| 25 x 5  | 0,98                |                              |   | ▪   | ▪  |
| 25 x 6  | 1,18                |                              |   | ▪   | ▪  |
| 25 x 8  | 1,57                |                              |   | ▪   | ▪  |
| 25 x 10 | 1,96                |                              |   | ▪   | ▪  |
| 25 x 12 | 2,36                |                              |   |   | ▪  |
| 25 x 15 | 2,94                |                              |   |   | ▪  |
| 25 x 20 | 3,93                |                              |   |   | ▪  |
| 30 x 5  | 1,18                | ▪                            | ▪   | ▪   | ▪  |
| 30 x 6  | 1,41                | ▪                            | ▪   | ▪   | ▪  |
| 30 x 8  | 1,88                | ▪                            | ▪   | ▪   | ▪  |
| 30 x 10 | 2,36                |                              | ▪   | ▪   | ▪  |
| 30 x 12 | 2,83                |                              |   | ▪   | ▪  |
| 30 x 15 | 3,53                |                              | ▪   | ▪   | ▪  |
| 30 x 20 | 4,71                |                              | ▪   | ▪   | ▪  |
| 30 x 25 | 5,89                |                              |   |   | ▪  |
| 35 x 5  | 1,37                |                              |   | ▪   |  |
| 35 x 6  | 1,65                |                              |   |   | ▪  |
| 35 x 8  | 2,20                |                              |   |   | ▪  |
| 35 x 10 | 2,75                |                              |   |   | ▪  |
| 35 x 12 | 3,30                |                              |   |   | ▪  |
| 35 x 15 | 4,12                |                              |   |   | ▪  |
| 35 x 20 | 5,50                |                              |   |   | ▪  |
| 35 x 25 | 6,87                |                              |   |   | ▪  |
| 40 x 5  | 1,57                | ▪                            | ▪   | ▪   | ▪  |
| 40 x 6  | 1,88                | ▪                            | ▪   | ▪   | ▪  |
| 40 x 8  | 2,51                |                              | ▪   | ▪   | ▪  |
| 40 x 10 | 3,14                | ▪                            | ▪   | ▪   | ▪  |
| 40 x 12 | 3,77                |                              |   | ▪   | ▪  |
| 40 x 15 | 4,71                |                              |   | ▪   | ▪  |
| 40 x 20 | 6,28                |                              | ▪   | ▪   | ▪  |
| 40 x 25 | 7,85                |                              |   |   | ▪  |

\*/\*\*\* Uitvoeringen zie pagina 31

| mm      | Theor. Gew.<br>kg/m | W.-Nr.<br>1.4713<br><br>***) | W.-Nr.<br>1.4828<br><br>AISI<br>309<br>*) | W.-Nr.<br>1.4841<br><br>AISI<br>314<br>*) | W.-Nr.<br>1.4878<br><br>AISI<br>321H<br>*) |
|---------|---------------------|------------------------------|---|---|--|
| 40 x 30 | 9,42                |                              |   |   | ▪  |
| 45 x 8  | 2,83                |                              |   |   | ▪  |
| 45 x 10 | 3,53                |                              |   |   | ▪  |
| 45 x 15 | 5,30                |                              |   |   | ▪  |
| 45 x 20 | 7,07                |                              |   |   | ▪  |
| 50 x 5  | 1,96                | ▪                            | ▪   | ▪   | ▪  |
| 50 x 6  | 2,36                | ▪                            | ▪   | ▪   | ▪  |
| 50 x 8  | 3,14                | ▪                            | ▪   | ▪   | ▪  |
| 50 x 10 | 3,93                | ▪                            | ▪   | ▪   | ▪  |
| 50 x 12 | 4,71                | ▪                            | ▪   | ▪   | ▪  |
| 50 x 15 | 5,89                | ▪                            | ▪   | ▪   | ▪  |
| 50 x 20 | 7,85                |                              | ▪   | ▪   | ▪  |
| 50 x 25 | 9,81                |                              |   | ▪   | ▪  |
| 50 x 30 | 11,78               |                              |   | ▪   | ▪  |
| 50 x 35 | 13,74               |                              |   |   | ▪  |
| 50 x 40 | 15,70               |                              |   |   | ▪  |
| 55 x 15 | 6,48                |                              |   |   | ▪  |
| 60 x 5  | 2,36                |                              |   | ▪   | ▪  |
| 60 x 6  | 2,83                | ▪                            | ▪   | ▪   | ▪  |
| 60 x 8  | 3,77                |                              | ▪   | ▪   | ▪  |
| 60 x 10 | 4,71                |                              | ▪   | ▪   | ▪  |
| 60 x 12 | 5,65                |                              | ▪   | ▪   | ▪  |
| 60 x 15 | 7,07                |                              | ▪   | ▪   | ▪  |
| 60 x 20 | 9,42                |                              | ▪   | ▪   | ▪  |
| 60 x 25 | 11,78               |                              |   |   | ▪  |
| 60 x 30 | 14,13               |                              |   |   | ▪  |
| 60 x 35 | 16,49               |                              |   |   | ▪  |
| 60 x 40 | 18,84               |                              |   | ▪   | ▪  |
| 60 x 50 | 23,55               |                              |   |   | ▪  |
| 65 x 15 | 7,65                |                              |   |   | ▪  |
| 70 x 6  | 3,30                |                              |   | ▪   |  |
| 70 x 8  | 4,40                |                              |   |   | ▪  |
| 70 x 10 | 5,50                | ▪                            | ▪   | ▪   | ▪  |
| 70 x 12 | 6,59                |                              |   |   | ▪  |
| 70 x 15 | 8,24                |                              |   |   | ▪  |
| 70 x 20 | 10,99               |                              |   |   | ▪  |
| 70 x 25 | 13,74               |                              |   |   | ▪  |
| 70 x 30 | 16,49               |                              |   |   | ▪  |
| 70 x 35 | 19,23               |                              |   |   | ▪  |

\*/\*\*\* Uitvoeringen zie pagina 31



| mm       | Theor. Gew.<br>kg/m | W.-Nr.<br>1.4713<br><br>***) | W.-Nr.<br>1.4828<br><br>AISI<br>309<br>*) | W.-Nr.<br>1.4841<br><br>AISI<br>314<br>*) | W.-Nr.<br>1.4878<br><br>AISI<br>321H<br>*) |
|----------|---------------------|------------------------------|---|---|--|
| 70 x 40  | 21,98               |                              |   |   | ▪  |
| 70 x 50  | 27,48               |                              |   |   | ▪  |
| 70 x 60  | 32,97               |                              |   |   | ▪  |
| 75 x 15  | 8,83                |                              |   |   | ▪  |
| 75 x 25  | 14,72               |                              |   |   | ▪  |
| 80 x 5   | 3,14                |                              |   | ▪   |  |
| 80 x 6   | 3,77                |                              |   | ▪   | ▪  |
| 80 x 8   | 5,02                |                              | ▪   | ▪   | ▪  |
| 80 x 10  | 6,28                | ▪                            | ▪   | ▪   | ▪  |
| 80 x 12  | 7,54                |                              |   | ▪   | ▪  |
| 80 x 15  | 9,42                |                              | ▪   | ▪   | ▪  |
| 80 x 20  | 12,56               |                              | ▪   | ▪   | ▪  |
| 80 x 25  | 15,70               |                              |   |   | ▪  |
| 80 x 30  | 18,84               |                              |   |   | ▪  |
| 80 x 35  | 21,98               |                              |   |   | ▪  |
| 80 x 40  | 25,12               |                              |   |   | ▪  |
| 80 x 50  | 31,40               |                              |   |   | ▪  |
| 80 x 60  | 37,68               |                              |   |   | ▪  |
| 90 x 10  | 7,07                |                              |   |   | ▪  |
| 90 x 12  | 8,48                |                              |   |   | ▪  |
| 90 x 15  | 10,60               |                              |   |   | ▪  |
| 90 x 20  | 14,13               |                              |   |   | ▪  |
| 90 x 25  | 17,66               |                              |   |   | ▪  |
| 90 x 30  | 21,20               |                              |   |   | ▪  |
| 90 x 40  | 28,26               |                              |   |   | ▪  |
| 90 x 50  | 35,33               |                              |   |   | ▪  |
| 90 x 60  | 42,39               |                              |   |   | ▪  |
| 90 x 70  | 49,46               |                              |   |   | ▪  |
| 100 x 8  | 6,28                |                              | ▪   | ▪   | ▪  |
| 100 x 10 | 7,85                |                              | ▪   | ▪   | ▪  |
| 100 x 12 | 9,42                |                              | ▪   | ▪   | ▪  |
| 100 x 15 | 11,78               |                              | ▪   | ▪   | ▪  |
| 100 x 20 | 15,70               |                              | ▪   | ▪   | ▪  |
| 100 x 30 | 23,55               |                              |   |   | ▪  |
| 100 x 35 | 27,48               |                              |   |   | ▪  |
| 100 x 40 | 31,40               |                              |   |   | ▪  |
| 100 x 50 | 39,25               |                              |   |   | ▪  |
| 100 x 60 | 47,10               |                              |   |   | ▪  |
| 100 x 70 | 54,95               |                              |   |   | ▪  |

\*/\*\*\* Uitvoeringen zie pagina 31

| mm       | Theor. Gew.<br>kg/m | W.-Nr.<br>1.4713<br><br>***) | W.-Nr.<br>1.4828<br><br>AISI<br>309<br>*) | W.-Nr.<br>1.4841<br><br>AISI<br>314<br>*) | W.-Nr.<br>1.4878<br><br>AISI<br>321H<br>*) |
|----------|---------------------|------------------------------|---|---|--|
| 110 x 10 | 8,64                |                              |   |   | ▪  |
| 110 x 12 | 10,36               |                              |   |   | ▪  |
| 110 x 15 | 12,95               |                              |   |   | ▪  |
| 110 x 20 | 17,27               |                              |   |   | ▪  |
| 110 x 30 | 25,91               |                              |   |   | ▪  |
| 120 x 8  | 7,54                |                              |   |   | ▪  |
| 120 x 10 | 9,42                |                              |   |   | ▪  |
| 120 x 12 | 11,30               |                              |   |   | ▪  |
| 120 x 15 | 14,13               |                              |   |   | ▪  |
| 120 x 20 | 18,84               |                              |   |   | ▪  |
| 120 x 25 | 23,55               |                              |   |   | ▪  |
| 120 x 30 | 28,26               |                              |   |   | ▪  |
| 120 x 40 | 37,68               |                              |   |   | ▪  |
| 120 x 50 | 47,10               |                              |   |   | ▪  |
| 120 x 60 | 56,52               |                              |   |   | ▪  |
| 120 x 70 | 65,94               |                              |   |   | ▪  |
| 130 x 20 | 20,41               |                              |   |   | ▪  |
| 130 x 25 | 25,51               |                              |   |   | ▪  |
| 130 x 40 | 40,82               |                              |   |   | ▪  |
| 130 x 50 | 51,03               |                              |   |   | ▪  |
| 140 x 20 | 21,98               |                              |   |   | ▪  |
| 140 x 40 | 43,96               |                              |   |   | ▪  |
| 150 x 10 | 11,78               |                              |   |   | ▪  |
| 150 x 15 | 17,66               |                              |   |   | ▪  |
| 150 x 20 | 23,55               |                              |   |   | ▪  |
| 150 x 25 | 29,44               |                              |   |   | ▪  |
| 150 x 30 | 35,33               |                              |   |   | ▪  |

\*/\*\*\* Uitvoeringen zie pagina 31



| mm      | Theor. Gew. kg/m | W.-Nr. 1.4301<br>AISI 304 *) | W.-Nr. 1.4307<br>AISI 304L *) | W.-Nr. 1.4401<br>AISI 316 *) | W.-Nr. 1.4404<br>AISI 316L *) | W.-Nr. 1.4541<br>AISI 321 *) | W.-Nr. 1.4571<br>AISI 316Ti *) |
|---------|------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|--------------------------------|
| 10 x 3  | 0,24             | ▪                            | ▪                             |                              |                               |                              | ▪                              |
| 10 x 4  | 0,31             | ▪                            | ▪                             |                              |                               |                              |                                |
| 10 x 5  | 0,39             | ▪                            | ▪                             |                              |                               |                              |                                |
| 12 x 3  | 0,28             | ▪                            | ▪                             |                              |                               |                              | ▪                              |
| 12 x 4  | 0,38             | ▪                            | ▪                             |                              |                               |                              |                                |
| 12 x 5  | 0,47             |                              |                               |                              |                               |                              |                                |
| 15 x 3  | 0,35             | ▪                            | ▪                             |                              |                               |                              | ▪                              |
| 15 x 4  | 0,47             | ▪                            | ▪                             |                              |                               |                              | ▪                              |
| 15 x 5  | 0,59             | ▪                            | ▪                             |                              |                               | ▪                            | ▪                              |
| 15 x 6  | 0,71             | ▪                            | ▪                             |                              |                               |                              |                                |
| 20 x 2  | 0,31             | ▪                            | ▪                             |                              |                               |                              |                                |
| 20 x 3  | 0,47             | ▪                            | ▪                             | ▪                            | ▪                             | ▪                            | ▪                              |
| 20 x 4  | 0,63             | ▪                            | ▪                             | ▪                            | ▪                             | ▪                            | ▪                              |
| 20 x 5  | 0,79             | ▪                            | ▪                             | ▪                            | ▪                             | ▪                            | ▪                              |
| 20 x 6  | 0,94             | ▪                            | ▪                             | ▪                            | ▪                             |                              | ▪                              |
| 20 x 8  | 1,26             | ▪                            | ▪                             |                              |                               |                              | ▪                              |
| 20 x 10 | 1,57             | ▪                            | ▪                             |                              |                               |                              | ▪                              |
| 25 x 2  | 0,40             | ▪                            | ▪                             |                              |                               |                              |                                |
| 25 x 3  | 0,59             | ▪                            | ▪                             | ▪                            | ▪                             | ▪                            | ▪                              |
| 25 x 4  | 0,79             | ▪                            | ▪                             | ▪                            | ▪                             | ▪                            | ▪                              |
| 25 x 5  | 0,98             | ▪                            | ▪                             | ▪                            | ▪                             | ▪                            | ▪                              |
| 25 x 6  | 1,18             | ▪                            | ▪                             | ▪                            | ▪                             | ▪                            | ▪                              |
| 25 x 8  | 1,57             | ▪                            | ▪                             | ▪                            | ▪                             | ▪                            | ▪                              |
| 30 x 2  | 0,47             | ▪                            | ▪                             |                              |                               |                              |                                |
| 30 x 3  | 0,71             | ▪                            | ▪                             | ▪                            | ▪                             | ▪                            | ▪                              |
| 30 x 4  | 0,94             | ▪                            | ▪                             | ▪                            | ▪                             | ▪                            | ▪                              |
| 30 x 5  | 1,18             | ▪                            | ▪                             | ▪                            | ▪                             | ▪                            | ▪                              |
| 30 x 6  | 1,41             | ▪                            | ▪                             | ▪                            | ▪                             | ▪                            | ▪                              |
| 30 x 8  | 1,88             | ▪                            | ▪                             | ▪                            | ▪                             | ▪                            | ▪                              |
| 30 x 10 | 2,36             | ▪                            | ▪                             | ▪                            | ▪                             | ▪                            | ▪                              |
| 35 x 3  | 0,82             | ▪                            | ▪                             |                              |                               |                              | ▪                              |
| 35 x 4  | 1,10             | ▪                            | ▪                             |                              |                               |                              | ▪                              |
| 35 x 5  | 1,37             | ▪                            | ▪                             |                              |                               | ▪                            | ▪                              |
| 35 x 6  | 1,65             | ▪                            | ▪                             |                              |                               | ▪                            | ▪                              |
| 35 x 8  | 2,20             | ▪                            | ▪                             |                              |                               |                              | ▪                              |
| 35 x 10 | 2,75             | ▪                            | ▪                             |                              |                               |                              | ▪                              |
| 40 x 2  | 0,63             | ▪                            | ▪                             |                              |                               |                              |                                |
| 40 x 3  | 0,94             | ▪                            | ▪                             | ▪                            | ▪                             |                              | ▪                              |
| 40 x 4  | 1,26             | ▪                            | ▪                             | ▪                            | ▪                             | ▪                            | ▪                              |

\* Uitvoeringen zie pagina 31

| mm      | Theor. Gew. kg/m | W.-Nr. 1.4301<br>AISI 304 *) | W.-Nr. 1.4307<br>AISI 304L *) | W.-Nr. 1.4401<br>AISI 316 *) | W.-Nr. 1.4404<br>AISI 316L *) | W.-Nr. 1.4541<br>AISI 321 *) | W.-Nr. 1.4571<br>AISI 316Ti *) |
|---------|------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|--------------------------------|
| 40 x 5  | 1,57             | ▪                            | ▪                             | ▪                            | ▪                             | ▪                            | ▪                              |
| 40 x 6  | 1,88             | ▪                            | ▪                             | ▪                            | ▪                             | ▪                            | ▪                              |
| 40 x 8  | 2,51             | ▪                            | ▪                             | ▪                            | ▪                             | ▪                            | ▪                              |
| 40 x 10 | 3,14             | ▪                            | ▪                             | ▪                            | ▪                             | ▪                            | ▪                              |
| 40 x 12 | 3,77             | ▪                            | ▪                             |                              |                               | ▪                            | ▪                              |
| 45 x 3  | 1,06             | ▪                            | ▪                             |                              |                               |                              |                                |
| 45 x 4  | 1,41             | ▪                            | ▪                             |                              |                               |                              | ▪                              |
| 45 x 5  | 1,77             | ▪                            | ▪                             |                              |                               | ▪                            | ▪                              |
| 45 x 6  | 2,12             | ▪                            | ▪                             |                              |                               | ▪                            |                                |
| 45 x 8  | 2,83             | ▪                            | ▪                             |                              |                               | ▪                            | ▪                              |
| 45 x 10 | 3,53             | ▪                            | ▪                             |                              |                               |                              | ▪                              |
| 45 x 12 | 4,24             | ▪                            | ▪                             |                              |                               |                              |                                |
| 50 x 3  | 1,18             | ▪                            | ▪                             |                              |                               |                              | ▪                              |
| 50 x 4  | 1,57             | ▪                            | ▪                             | ▪                            | ▪                             | ▪                            | ▪                              |
| 50 x 5  | 1,96             | ▪                            | ▪                             | ▪                            | ▪                             | ▪                            | ▪                              |
| 50 x 6  | 2,36             | ▪                            | ▪                             | ▪                            | ▪                             | ▪                            | ▪                              |
| 50 x 8  | 3,14             | ▪                            | ▪                             | ▪                            | ▪                             | ▪                            | ▪                              |
| 50 x 10 | 3,93             | ▪                            | ▪                             | ▪                            | ▪                             | ▪                            | ▪                              |
| 50 x 12 | 4,71             | ▪                            | ▪                             | ▪                            | ▪                             | ▪                            | ▪                              |
| 55 x 5  | 2,16             | ▪                            | ▪                             |                              |                               |                              |                                |
| 55 x 6  | 2,59             | ▪                            | ▪                             |                              |                               |                              |                                |
| 55 x 8  | 3,45             | ▪                            | ▪                             |                              |                               |                              |                                |
| 55 x 10 | 4,32             | ▪                            | ▪                             |                              |                               |                              |                                |
| 60 x 3  | 1,41             | ▪                            | ▪                             |                              |                               |                              | ▪                              |
| 60 x 4  | 1,88             | ▪                            | ▪                             |                              |                               | ▪                            | ▪                              |
| 60 x 5  | 2,36             | ▪                            | ▪                             | ▪                            | ▪                             | ▪                            | ▪                              |
| 60 x 6  | 2,83             | ▪                            | ▪                             | ▪                            | ▪                             | ▪                            | ▪                              |
| 60 x 8  | 3,77             | ▪                            | ▪                             | ▪                            | ▪                             | ▪                            | ▪                              |
| 60 x 10 | 4,71             | ▪                            | ▪                             | ▪                            | ▪                             | ▪                            | ▪                              |
| 60 x 12 | 5,65             | ▪                            | ▪                             |                              |                               | ▪                            | ▪                              |
| 65 x 5  | 2,55             | ▪                            | ▪                             |                              |                               |                              |                                |
| 65 x 8  | 4,08             | ▪                            | ▪                             |                              |                               |                              |                                |
| 65 x 12 | 6,12             | ▪                            | ▪                             |                              |                               |                              |                                |
| 70 x 3  | 1,65             | ▪                            | ▪                             |                              |                               |                              |                                |
| 70 x 4  | 2,20             | ▪                            | ▪                             |                              |                               |                              | ▪                              |
| 70 x 5  | 2,75             | ▪                            | ▪                             | ▪                            | ▪                             | ▪                            | ▪                              |
| 70 x 6  | 3,30             | ▪                            | ▪                             |                              |                               | ▪                            | ▪                              |
| 70 x 8  | 4,40             | ▪                            | ▪                             | ▪                            | ▪                             | ▪                            | ▪                              |
| 70 x 10 | 5,50             | ▪                            | ▪                             | ▪                            | ▪                             | ▪                            | ▪                              |

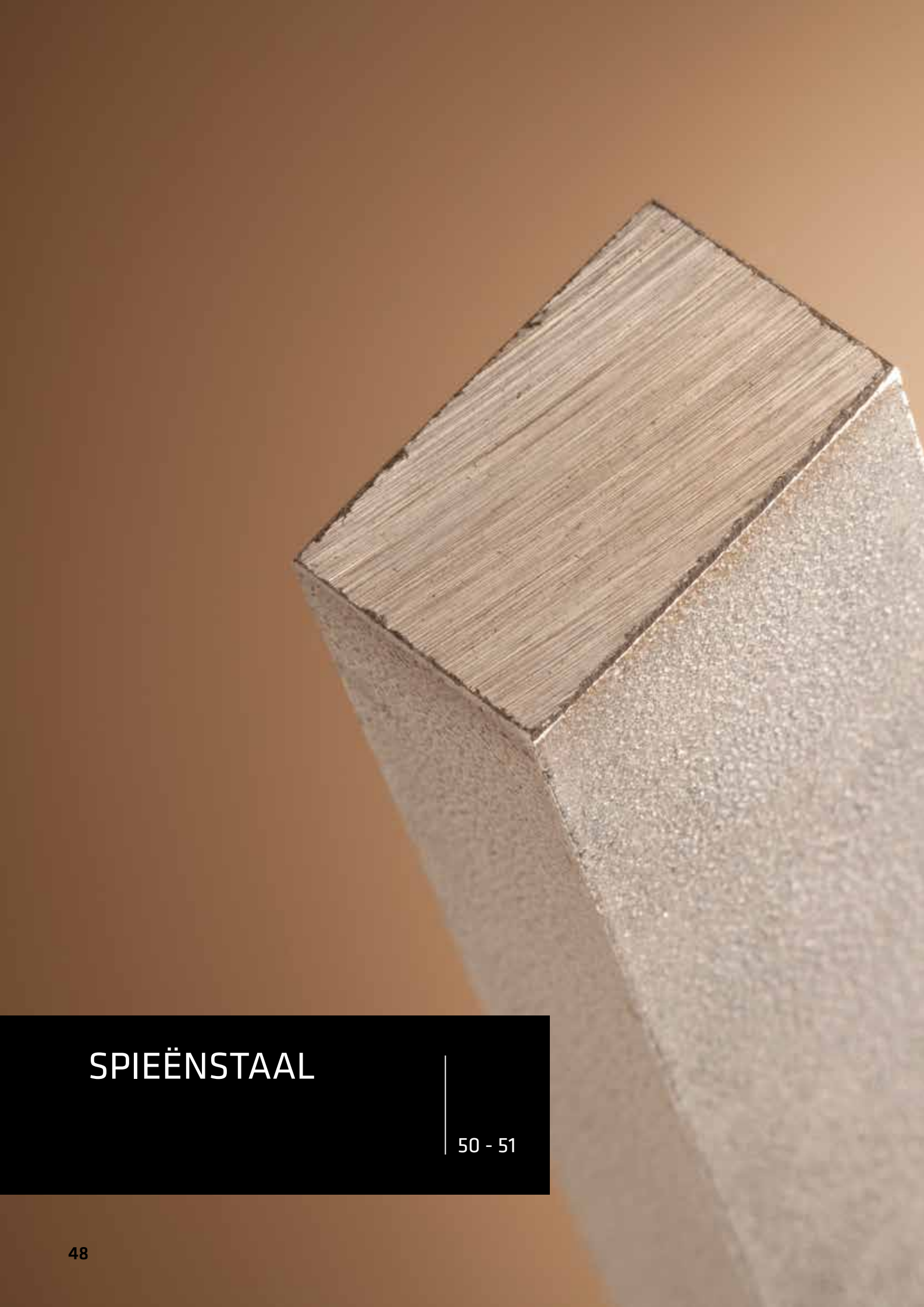
\* Uitvoeringen zie pagina 31

| mm       | Theor. Gew. kg/m | W.-Nr. 1.4301<br>AISI 304 *) | W.-Nr. 1.4307<br>AISI 304L *) | W.-Nr. 1.4401<br>AISI 316 *) | W.-Nr. 1.4404<br>AISI 316L *) | W.-Nr. 1.4541<br>AISI 321 *) | W.-Nr. 1.4571<br>AISI 316Ti *) |
|----------|------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|--------------------------------|
| 70 x 12  | 6,59             | ▪                            | ▪                             |                              |                               |                              | ▪                              |
| 75 x 5   | 2,94             | ▪                            | ▪                             |                              |                               |                              |                                |
| 75 x 6   | 3,53             | ▪                            | ▪                             |                              |                               |                              |                                |
| 75 x 8   | 4,71             | ▪                            | ▪                             |                              |                               |                              | ▪                              |
| 75 x 10  | 5,89             | ▪                            | ▪                             |                              |                               |                              |                                |
| 80 x 3   | 1,88             | ▪                            | ▪                             |                              |                               |                              | ▪                              |
| 80 x 4   | 2,51             | ▪                            | ▪                             |                              |                               |                              | ▪                              |
| 80 x 5   | 3,14             | ▪                            | ▪                             | ▪                            | ▪                             | ▪                            | ▪                              |
| 80 x 6   | 3,77             | ▪                            | ▪                             | ▪                            | ▪                             | ▪                            | ▪                              |
| 80 x 8   | 5,02             | ▪                            | ▪                             | ▪                            | ▪                             | ▪                            | ▪                              |
| 80 x 10  | 6,28             | ▪                            | ▪                             | ▪                            | ▪                             | ▪                            | ▪                              |
| 80 x 12  | 7,54             | ▪                            | ▪                             |                              |                               | ▪                            | ▪                              |
| 90 x 4   | 2,83             | ▪                            | ▪                             |                              |                               |                              |                                |
| 90 x 5   | 3,53             | ▪                            | ▪                             |                              |                               |                              | ▪                              |
| 90 x 6   | 4,24             | ▪                            | ▪                             |                              |                               |                              | ▪                              |
| 90 x 8   | 5,65             | ▪                            | ▪                             |                              |                               |                              | ▪                              |
| 90 x 10  | 7,07             | ▪                            | ▪                             |                              |                               |                              | ▪                              |
| 90 x 12  | 8,48             | ▪                            | ▪                             |                              |                               |                              | ▪                              |
| 100 x 3  | 2,36             | ▪                            | ▪                             |                              |                               |                              | ▪                              |
| 100 x 4  | 3,14             | ▪                            | ▪                             |                              |                               |                              | ▪                              |
| 100 x 5  | 3,93             | ▪                            | ▪                             | ▪                            | ▪                             | ▪                            | ▪                              |
| 100 x 6  | 4,71             | ▪                            | ▪                             | ▪                            | ▪                             | ▪                            | ▪                              |
| 100 x 8  | 6,28             | ▪                            | ▪                             | ▪                            | ▪                             | ▪                            | ▪                              |
| 100 x 10 | 7,85             | ▪                            | ▪                             | ▪                            | ▪                             | ▪                            | ▪                              |
| 100 x 12 | 9,42             | ▪                            | ▪                             |                              |                               | ▪                            | ▪                              |
| 110 x 5  | 4,32             | ▪                            | ▪                             |                              |                               |                              |                                |
| 110 x 6  | 5,18             | ▪                            | ▪                             |                              |                               |                              | ▪                              |
| 110 x 8  | 6,91             | ▪                            | ▪                             |                              |                               |                              | ▪                              |
| 110 x 10 | 8,64             | ▪                            | ▪                             |                              |                               |                              | ▪                              |
| 110 x 12 | 10,36            | ▪                            | ▪                             |                              |                               |                              | ▪                              |
| 120 x 4  | 3,77             | ▪                            | ▪                             |                              |                               |                              |                                |
| 120 x 5  | 4,71             | ▪                            | ▪                             |                              |                               |                              | ▪                              |
| 120 x 6  | 5,65             | ▪                            | ▪                             | ▪                            | ▪                             |                              | ▪                              |
| 120 x 8  | 7,54             | ▪                            | ▪                             | ▪                            | ▪                             |                              | ▪                              |
| 120 x 10 | 9,42             | ▪                            | ▪                             | ▪                            | ▪                             |                              | ▪                              |
| 120 x 12 | 11,30            | ▪                            | ▪                             |                              |                               |                              | ▪                              |
| 130 x 6  | 6,12             | ▪                            | ▪                             |                              |                               |                              | ▪                              |
| 130 x 8  | 8,16             | ▪                            | ▪                             |                              |                               |                              | ▪                              |
| 130 x 10 | 10,21            | ▪                            | ▪                             |                              |                               |                              | ▪                              |

\* Uitvoeringen zie pagina 31

| mm       | Theor. Gew.<br>kg/m | W.-Nr. 1.4301 | W.-Nr. 1.4307 | W.-Nr. 1.4401 | W.-Nr. 1.4404 | W.-Nr. 1.4541 | W.-Nr. 1.4571 |
|----------|---------------------|---------------|---------------|---------------|---------------|---------------|---------------|
|          |                     | AISI 304 *)   | AISI 304L *)  | AISI 316 *)   | AISI 316L *)  | AISI 321 *)   | AISI 316Ti *) |
| 130 x 12 | 12,25               | ▪             | ▪             |               |               |               | ▪             |
| 140 x 5  | 5,50                | ▪             | ▪             |               |               |               |               |
| 140 x 6  | 6,59                | ▪             | ▪             |               |               |               | ▪             |
| 140 x 8  | 8,79                | ▪             | ▪             |               |               |               | ▪             |
| 140 x 10 | 10,99               | ▪             | ▪             |               |               |               | ▪             |
| 140 x 12 | 13,19               | ▪             | ▪             |               |               |               | ▪             |
| 150 x 5  | 5,89                | ▪             | ▪             |               |               |               | ▪             |
| 150 x 6  | 7,07                | ▪             | ▪             |               |               |               | ▪             |
| 150 x 8  | 9,42                | ▪             | ▪             |               |               |               | ▪             |
| 150 x 10 | 11,78               | ▪             | ▪             | ▪             | ▪             |               | ▪             |
| 150 x 12 | 14,13               | ▪             | ▪             |               |               |               | ▪             |
| 160 x 5  | 6,28                | ▪             | ▪             |               |               |               |               |
| 160 x 6  | 7,54                | ▪             | ▪             |               |               |               |               |
| 160 x 8  | 10,05               | ▪             | ▪             |               |               |               | ▪             |
| 160 x 10 | 12,56               | ▪             | ▪             |               |               |               | ▪             |
| 160 x 12 | 15,07               | ▪             | ▪             |               |               |               | ▪             |
| 160 x 15 | 18,84               |               |               |               |               |               | ▪             |
| 180 x 6  | 8,48                | ▪             | ▪             |               |               |               |               |
| 180 x 8  | 11,30               | ▪             | ▪             |               |               |               | ▪             |
| 180 x 10 | 14,13               | ▪             | ▪             |               |               |               | ▪             |
| 180 x 12 | 16,96               | ▪             | ▪             |               |               |               | ▪             |
| 180 x 15 | 21,20               |               |               |               |               |               | ▪             |
| 200 x 5  | 7,85                | ▪             | ▪             |               |               |               | ▪             |
| 200 x 6  | 9,42                | ▪             | ▪             |               |               |               | ▪             |
| 200 x 8  | 12,56               | ▪             | ▪             |               |               |               | ▪             |
| 200 x 10 | 15,70               | ▪             | ▪             |               |               |               | ▪             |
| 200 x 12 | 18,84               | ▪             | ▪             |               |               |               | ▪             |
| 200 x 15 | 23,55               |               |               |               |               |               | ▪             |
| 200 x 20 | 31,40               |               |               |               |               |               | ▪             |
| 220 x 8  | 13,82               | ▪             | ▪             |               |               |               |               |
| 250 x 6  | 11,78               | ▪             | ▪             |               |               |               |               |
| 250 x 8  | 15,70               | ▪             | ▪             |               |               |               | ▪             |
| 250 x 10 | 19,63               | ▪             | ▪             |               |               |               | ▪             |
| 250 x 12 | 23,55               | ▪             | ▪             |               |               |               | ▪             |
| 250 x 15 | 29,44               | ▪             | ▪             |               |               |               | ▪             |
| 300 x 6  | 14,13               | ▪             | ▪             |               |               |               |               |
| 300 x 8  | 18,84               | ▪             | ▪             |               |               |               |               |
| 300 x 10 | 23,55               | ▪             | ▪             |               |               |               |               |
| 300 x 12 | 28,26               | ▪             | ▪             |               |               |               |               |

\* Uitvoeringen zie pagina 31



# SPIEËNSTAAL

| 50 - 51



# Wanneer het op precisie aankomt

Spieënstaal wordt altijd toegepast wanneer het op precisie aankomt. Zoals in de machine- en apparatenbouw, bij de productie van wiggen en pasveren. Laat ons weten wat u nodig heeft, wij hebben de juiste oplossing voor u uit voorraad.

## **Spieënstaal**

op handelslengten van 3-3,2 m

\* oplossend gegloeid, scherpkantig getrokken

## **Maatnormen**

DIN 6880

## **Keuringscertificaten**

DIN EN 10204 3.1

\* Inhoud zie pagina 50 tot 51

| mm      | Theor. Gew.<br>kg/m | W.-Nr.<br>1.4571<br><br>AISI<br>316Ti<br>*) |
|---------|---------------------|---|
| 5 x 3   | 0,12                | ▪   |
| 6 x 4   | 0,19                | ▪   |
| 8 x 5   | 0,32                | ▪   |
| 8 x 6   | 0,38                | ▪   |
| 8 x 7   | 0,45                | ▪   |
| 10 x 6  | 0,47                | ▪   |
| 10 x 8  | 0,63                | ▪   |
| 12 x 6  | 0,57                | ▪   |
| 12 x 8  | 0,75                | ▪   |
| 12 x 10 | 0,94                | ▪   |
| 14 x 6  | 0,66                | ▪   |
| 14 x 9  | 1,01                | ▪   |
| 16 x 10 | 1,26                | ▪   |
| 18 x 11 | 1,58                | ▪   |
| 20 x 12 | 1,88                | ▪   |
| 22 x 14 | 2,42                | ▪   |
| 25 x 14 | 2,75                | ▪   |
| 28 x 16 | 3,52                | ▪   |
| 32 x 18 | 4,52                | ▪   |
| 36 x 20 | 5,65                | ▪   |
| 40 x 22 | 7,04                | ▪   |
| 45 x 25 | 8,83                | ▪   |

\* Uitvoeringen zie pagina 49

| mm | Theor. Gew.<br>kg/m | W.-Nr.<br>1.4571 | AISI<br>316Ti<br>(*) |
|----|---------------------|------------------|----------------------|
| 3  | 0,07                | ▪                | ▪                    |
| 4  | 0,13                | ▪                | ▪                    |
| 5  | 0,20                | ▪                | ▪                    |
| 6  | 0,28                | ▪                | ▪                    |
| 10 | 0,79                | ▪                | ▪                    |

\* Uitvoeringen zie pagina 49





# RONDSTAF

koudvervaardigd

54 - 59

# Precisie op maat

Extreem stabiel en duurzaam – dat zijn de kenmerken van ons koudvervaardigd rondstaf. Ons kwaliteitsmanagement let er op dat afmetingen binnen de bestelde maattolerantie vallen en dat deze voldoen aan de kwaliteitsstandaard voor wat betreft vastheid en oppervlaktebewerking.

## Rondstaf | koudvervaardigd

op handelslengten van ca. 3 m, deels op lengten van 6 m

- \* oplossend gegloeid
- \*\* veredeld
- \*\*\* gegloeid
- \*\*\*\* oplossend gegloeid in leveringstoestand, met opgave van de mechanische eigenschappen in precipitatie geharde toestand

## Maatnormen

DIN EN 10278 h6, h8 of h9

## Keuringscertificaten

DIN EN 10204 3.1 of fabriekscertificaat 2.1/2.2

\*/\*\*/\*\*\*\*/\*\*\*\*\* Inhoud zie pagina 54 tot 59

| mm    | Theor. Gew. kg/m | W.-Nr. 1.4021<br>AISI 420<br>**) | W.-Nr. 1.4034<br>AISI 420<br>***) | W.-Nr. 1.4057<br>AISI 431<br>**) | W.-Nr. 1.4104<br>AISI 430F<br>***) | W.-Nr. 1.4112<br>AISI 440B<br>***) | W.-Nr. 1.4122<br>AISI 440B<br>**) | W.-Nr. 1.4301<br>AISI 304<br>*) | W.-Nr. 1.4305<br>AISI 303<br>*) |
|-------|------------------|----------------------------------|-----------------------------------|----------------------------------|------------------------------------|------------------------------------|-----------------------------------|---------------------------------|---------------------------------|
| 2,00  | 0,03             |                                  |                                   |                                  |                                    |                                    |                                   | ▪                               | ▪                               |
| 2,50  | 0,04             |                                  |                                   |                                  |                                    |                                    |                                   | ▪                               | ▪                               |
| 3,00  | 0,06             |                                  |                                   |                                  | ▪                                  |                                    |                                   | ▪                               | ▪                               |
| 3,50  | 0,08             |                                  |                                   |                                  |                                    |                                    |                                   | ▪                               | ▪                               |
| 4,00  | 0,10             | ▪                                |                                   |                                  | ▪                                  | ▪                                  |                                   | ▪                               | ▪                               |
| 4,50  | 0,13             |                                  |                                   |                                  |                                    |                                    |                                   | ▪                               | ▪                               |
| 5,00  | 0,15             |                                  | ▪                                 | ▪                                | ▪                                  | ▪                                  | ▪                                 | ▪                               | ▪                               |
| 5,50  | 0,19             |                                  |                                   |                                  |                                    |                                    |                                   | ▪                               | ▪                               |
| 6,00  | 0,22             | ▪                                | ▪                                 | ▪                                | ▪                                  | ▪                                  | ▪                                 | ▪ <sup>1)2)</sup>               | ▪                               |
| 6,50  | 0,26             |                                  |                                   |                                  |                                    |                                    |                                   | ▪                               | ▪                               |
| 7,00  | 0,31             |                                  | ▪                                 |                                  | ▪                                  |                                    |                                   | ▪                               | ▪                               |
| 7,50  | 0,35             |                                  |                                   |                                  |                                    |                                    |                                   | ▪                               |                                 |
| 8,00  | 0,40             | ▪                                | ▪                                 | ▪                                | ▪                                  | ▪                                  | ▪                                 | ▪ <sup>1)2)4)</sup>             | ▪ <sup>4)</sup>                 |
| 9,00  | 0,50             | ▪                                |                                   |                                  | ▪                                  | ▪                                  |                                   | ▪                               | ▪                               |
| 9,50  | 0,56             |                                  |                                   |                                  |                                    |                                    |                                   |                                 | ▪                               |
| 10,00 | 0,62             | ▪                                | ▪                                 | ▪                                | ▪                                  | ▪                                  | ▪                                 | ▪ <sup>1)2)3)4)</sup>           | ▪ <sup>2)4)</sup>               |
| 11,00 | 0,75             |                                  | ▪                                 |                                  | ▪                                  | ▪                                  |                                   | ▪                               | ▪                               |
| 12,00 | 0,89             | ▪                                | ▪                                 | ▪                                | ▪                                  | ▪                                  | ▪                                 | ▪ <sup>1)2)3)4)</sup>           | ▪ <sup>2)4)</sup>               |
| 12,70 | 1,01             |                                  |                                   |                                  |                                    |                                    |                                   |                                 |                                 |
| 13,00 | 1,04             | ▪                                |                                   |                                  | ▪                                  |                                    | ▪                                 | ▪                               | ▪                               |
| 14,00 | 1,21             | ▪                                | ▪                                 | ▪                                | ▪                                  | ▪                                  | ▪                                 | ▪ <sup>1)4)</sup>               | ▪ <sup>2)4)</sup>               |
| 15,00 | 1,39             | ▪                                | ▪                                 | ▪                                | ▪                                  | ▪                                  | ▪                                 | ▪ <sup>1)2)4)</sup>             | ▪ <sup>4)</sup>                 |
| 15,87 | 1,58             |                                  |                                   |                                  |                                    |                                    |                                   |                                 |                                 |
| 16,00 | 1,58             | ▪                                | ▪                                 | ▪                                | ▪                                  | ▪                                  | ▪                                 | ▪ <sup>1)2)4)</sup>             | ▪ <sup>2)4)</sup>               |
| 17,00 | 1,78             |                                  |                                   | ▪                                | ▪                                  | ▪                                  |                                   | ▪                               | ▪                               |
| 18,00 | 2,00             | ▪                                | ▪                                 | ▪                                | ▪                                  | ▪                                  | ▪                                 | ▪ <sup>1)4)</sup>               | ▪ <sup>4)</sup>                 |
| 19,00 | 2,23             |                                  |                                   |                                  | ▪                                  |                                    |                                   | ▪                               | ▪                               |
| 19,05 | 2,28             |                                  |                                   |                                  |                                    |                                    |                                   |                                 |                                 |
| 20,00 | 2,47             | ▪                                | ▪                                 | ▪                                | ▪                                  | ▪                                  | ▪                                 | ▪ <sup>1)2)3)4)</sup>           | ▪ <sup>2)4)</sup>               |
| 21,00 | 2,72             | ▪                                |                                   | ▪                                | ▪                                  |                                    |                                   | ▪                               | ▪                               |
| 22,00 | 2,98             | ▪                                | ▪                                 | ▪                                | ▪                                  | ▪                                  | ▪                                 | ▪                               | ▪                               |
| 22,25 | 3,11             |                                  |                                   |                                  |                                    |                                    |                                   |                                 |                                 |
| 23,00 | 3,26             |                                  |                                   |                                  | ▪                                  |                                    |                                   | ▪                               | ▪                               |
| 24,00 | 3,55             | ▪                                | ▪                                 | ▪                                | ▪                                  |                                    | ▪                                 | ▪                               | ▪                               |
| 25,00 | 3,85             | ▪                                | ▪                                 | ▪                                | ▪                                  | ▪                                  | ▪                                 | ▪ <sup>1)2)3)</sup>             | ▪ <sup>2)</sup>                 |
| 25,40 | 4,05             |                                  |                                   |                                  |                                    |                                    |                                   |                                 |                                 |
| 26,00 | 4,17             | ▪                                | ▪                                 | ▪                                | ▪                                  | ▪                                  | ▪                                 | ▪                               | ▪                               |

1) Afmetingen ook op lengten van 6 m leverbaar

2) ook leverbaar volgens DIN EN 10278 h8

3) ook leverbaar volgens DIN EN 10278 h6

4) geslepen

\*/\*\*/\*\*\* Uitvoeringen zie pagina 53

| mm    | Theor. Gew. kg/m | W.-Nr. 1.4307         | W.-Nr. 1.4401   | W.-Nr. 1.4404   | W.-Nr. 1.4418 | W.-Nr. 1.4541 | W.-Nr. 1.4542  | W.-Nr. 1.4571   |
|-------|------------------|-----------------------|-----------------|-----------------|---------------|---------------|----------------|-----------------|
|       |                  | AISI 304L *)          | AISI 316 *)     | AISI 316L *)    | **)           | AISI 321 *)   | AISI 630 ****) | AISI 316Ti *)   |
| 2,00  | 0,03             | ▪                     |                 |                 |               |               |                | ▪               |
| 2,50  | 0,04             | ▪                     |                 |                 |               |               |                | ▪ <sup>1)</sup> |
| 3,00  | 0,06             | ▪                     |                 |                 |               | ▪             |                | ▪               |
| 3,50  | 0,08             | ▪                     |                 |                 |               |               |                | ▪ <sup>1)</sup> |
| 4,00  | 0,10             | ▪                     | ▪               | ▪               |               | ▪             |                | ▪               |
| 4,50  | 0,13             | ▪                     |                 |                 |               |               |                |                 |
| 5,00  | 0,15             | ▪                     | ▪               | ▪               |               | ▪             |                | ▪               |
| 5,50  | 0,19             | ▪                     |                 |                 |               |               |                |                 |
| 6,00  | 0,22             | ▪ <sup>1)2)</sup>     | ▪               | ▪               |               | ▪             |                | ▪ <sup>1)</sup> |
| 6,50  | 0,26             | ▪                     |                 |                 |               |               |                |                 |
| 7,00  | 0,31             | ▪                     |                 |                 |               |               |                | ▪               |
| 7,50  | 0,35             | ▪                     |                 |                 |               |               |                |                 |
| 8,00  | 0,40             | ▪ <sup>1)2)4)</sup>   | ▪               | ▪               |               | ▪             |                | ▪ <sup>1)</sup> |
| 9,00  | 0,50             | ▪                     |                 |                 |               | ▪             |                | ▪               |
| 9,50  | 0,56             |                       |                 |                 |               |               |                |                 |
| 10,00 | 0,62             | ▪ <sup>1)2)3)4)</sup> | ▪               | ▪               |               | ▪             | ▪              | ▪ <sup>1)</sup> |
| 11,00 | 0,75             | ▪                     |                 |                 |               |               |                | ▪               |
| 12,00 | 0,89             | ▪ <sup>1)2)3)4)</sup> | ▪ <sup>1)</sup> | ▪ <sup>1)</sup> | ▪             | ▪             |                | ▪ <sup>1)</sup> |
| 12,70 | 1,01             |                       |                 |                 |               |               | ▪              |                 |
| 13,00 | 1,04             | ▪                     |                 |                 |               | ▪             |                | ▪               |
| 14,00 | 1,21             | ▪ <sup>1)4)</sup>     | ▪               | ▪               |               | ▪             |                | ▪ <sup>1)</sup> |
| 15,00 | 1,39             | ▪ <sup>1)2)4)</sup>   | ▪ <sup>1)</sup> | ▪ <sup>1)</sup> | ▪             | ▪             |                | ▪ <sup>1)</sup> |
| 15,87 | 1,58             |                       |                 |                 |               |               | ▪              |                 |
| 16,00 | 1,58             | ▪ <sup>1)2)4)</sup>   | ▪               | ▪               | ▪             | ▪             |                | ▪ <sup>1)</sup> |
| 17,00 | 1,78             | ▪                     | ▪               | ▪               |               | ▪             |                | ▪               |
| 18,00 | 2,00             | ▪ <sup>1)4)</sup>     | ▪               | ▪               |               | ▪             |                | ▪ <sup>1)</sup> |
| 19,00 | 2,23             | ▪                     |                 |                 |               | ▪             |                | ▪               |
| 19,05 | 2,28             |                       |                 |                 |               |               | ▪              |                 |
| 20,00 | 2,47             | ▪ <sup>1)2)3)4)</sup> | ▪ <sup>1)</sup> | ▪ <sup>1)</sup> | ▪             | ▪             |                | ▪ <sup>1)</sup> |
| 21,00 | 2,72             | ▪                     |                 |                 |               |               |                | ▪               |
| 22,00 | 2,98             | ▪                     | ▪               | ▪               | ▪             | ▪             |                | ▪               |
| 22,25 | 3,11             |                       |                 |                 |               |               | ▪              |                 |
| 23,00 | 3,26             | ▪                     |                 |                 |               |               |                |                 |
| 24,00 | 3,55             | ▪                     | ▪               | ▪               |               | ▪             |                | ▪               |
| 25,00 | 3,85             | ▪ <sup>1)2)3)</sup>   | ▪ <sup>1)</sup> | ▪ <sup>1)</sup> |               | ▪             |                | ▪ <sup>1)</sup> |
| 25,40 | 4,05             |                       |                 |                 |               |               | ▪              |                 |
| 26,00 | 4,17             | ▪                     | ▪               | ▪               |               | ▪             |                | ▪               |

<sup>1)</sup> Afmetingen ook op lengten van 6 m leverbaar

<sup>2)</sup> ook leverbaar volgens DIN EN 10278 h8

<sup>3)</sup> ook leverbaar volgens DIN EN 10278 h6

<sup>4)</sup> geslepen

\*/\*\*/\*\*\*\* Uitvoeringen zie pagina 53

| mm     | Theor. Gew.<br>kg/m | W.-Nr. 1.4021<br>AISI 420<br>**) | W.-Nr. 1.4034<br>AISI 420<br>***) | W.-Nr. 1.4057<br>AISI 431<br>**) | W.-Nr. 1.4104<br>AISI 430F<br>***) | W.-Nr. 1.4112<br>AISI 440B<br>***) | W.-Nr. 1.4122<br>AISI 440B<br>**) | W.-Nr. 1.4301<br>AISI 304<br>*) | W.-Nr. 1.4305<br>AISI 303<br>*) |
|--------|---------------------|----------------------------------|-----------------------------------|----------------------------------|------------------------------------|------------------------------------|-----------------------------------|---------------------------------|---------------------------------|
| 27,00  | 4,50                |                                  |                                   |                                  | ▪                                  |                                    |                                   | ▪                               | ▪                               |
| 28,00  | 4,83                | ▪                                | ▪                                 | ▪                                | ▪                                  | ▪                                  | ▪                                 | ▪                               | ▪                               |
| 29,00  | 5,19                |                                  |                                   |                                  |                                    |                                    |                                   |                                 | ▪                               |
| 30,00  | 5,55                | ▪                                | ▪                                 | ▪                                | ▪                                  | ▪                                  | ▪                                 | ▪ <sup>1)2)3)</sup>             | ▪ <sup>2)</sup>                 |
| 32,00  | 6,31                | ▪                                | ▪                                 | ▪                                | ▪                                  | ▪                                  | ▪                                 | ▪                               | ▪                               |
| 33,00  | 6,71                |                                  |                                   |                                  | ▪                                  |                                    |                                   | ▪                               | ▪                               |
| 34,00  | 7,13                |                                  |                                   |                                  | ▪                                  |                                    |                                   | ▪                               | ▪                               |
| 35,00  | 7,55                | ▪                                | ▪                                 | ▪                                | ▪                                  | ▪                                  | ▪                                 | ▪ <sup>1)2)3)</sup>             | ▪                               |
| 36,00  | 7,99                | ▪                                | ▪                                 | ▪                                | ▪                                  | ▪                                  | ▪                                 | ▪                               | ▪                               |
| 38,00  | 8,90                | ▪                                |                                   | ▪                                | ▪                                  | ▪                                  | ▪                                 | ▪                               | ▪                               |
| 40,00  | 9,87                | ▪                                | ▪                                 | ▪                                | ▪                                  | ▪                                  | ▪                                 | ▪ <sup>1)2)3)</sup>             | ▪                               |
| 42,00  | 10,88               | ▪                                | ▪                                 | ▪                                | ▪                                  |                                    | ▪                                 | ▪                               | ▪                               |
| 43,00  | 11,40               |                                  |                                   |                                  |                                    |                                    |                                   |                                 | ▪                               |
| 45,00  | 12,49               | ▪                                | ▪                                 | ▪                                | ▪                                  | ▪                                  | ▪                                 | ▪ <sup>1)2)</sup>               | ▪                               |
| 46,00  | 13,05               | ▪                                |                                   |                                  |                                    |                                    |                                   |                                 | ▪                               |
| 48,00  | 14,21               | ▪                                |                                   |                                  | ▪                                  |                                    |                                   | ▪                               | ▪                               |
| 50,00  | 15,41               | ▪                                | ▪                                 | ▪                                | ▪                                  | ▪                                  | ▪                                 | ▪ <sup>1)2)3)</sup>             | ▪                               |
| 52,00  | 16,62               |                                  |                                   |                                  | ▪                                  |                                    |                                   |                                 | ▪                               |
| 55,00  | 18,65               | ▪                                | ▪                                 | ▪                                | ▪                                  | ▪                                  | ▪                                 | ▪ <sup>2)</sup>                 | ▪                               |
| 60,00  | 22,20               | ▪                                | ▪                                 | ▪                                | ▪                                  | ▪                                  | ▪                                 | ▪ <sup>1)2)</sup>               | ▪                               |
| 65,00  | 26,05               | ▪                                |                                   | ▪                                | ▪                                  |                                    |                                   | ▪                               | ▪                               |
| 70,00  | 30,21               | ▪                                |                                   | ▪                                | ▪                                  |                                    | ▪                                 | ▪ <sup>1)</sup>                 | ▪                               |
| 75,00  | 34,68               | ▪                                |                                   | ▪                                | ▪                                  |                                    |                                   | ▪                               | ▪                               |
| 80,00  | 39,46               | ▪                                |                                   | ▪                                | ▪                                  |                                    | ▪                                 | ▪ <sup>1)</sup>                 | ▪                               |
| 85,00  | 44,55               | ▪                                |                                   | ▪                                | ▪                                  |                                    |                                   | ▪                               | ▪                               |
| 90,00  | 49,94               | ▪                                |                                   | ▪                                | ▪                                  |                                    |                                   | ▪ <sup>1)</sup>                 | ▪                               |
| 95,00  | 55,64               |                                  |                                   |                                  |                                    |                                    |                                   | ▪                               | ▪                               |
| 100,00 | 61,65               | ▪                                |                                   | ▪                                | ▪                                  |                                    |                                   | ▪ <sup>1)</sup>                 | ▪                               |

1) Afmetingen ook op lengten van 6 m leverbaar

2) ook leverbaar volgens DIN EN 10278 h8

3) ook leverbaar volgens DIN EN 10278 h6

\*/\*\*/\*\*\*) Uitvoeringen zie pagina 53



| mm     | Theor. Gew. kg/m | W.-Nr. 1.4307<br>AISI 304L *)                   | W.-Nr. 1.4401<br>AISI 316 *) | W.-Nr. 1.4404<br>AISI 316L *) | W.-Nr. 1.4418<br>**) | W.-Nr. 1.4541<br>AISI 321 *) | W.-Nr. 1.4542<br>AISI 630 ****) | W.-Nr. 1.4571<br>AISI 316Ti *) |
|--------|------------------|---|------------------------------|-------------------------------|----------------------|------------------------------|---------------------------------|--------------------------------|
| 27,00  | 4,50             | ▪   |                              |                               |                      |                              |                                 | ▪                              |
| 28,00  | 4,83             | ▪   | ▪                            | ▪                             |                      | ▪                            |                                 | ▪                              |
| 29,00  | 5,19             |   |                              |                               |                      |                              |                                 |                                |
| 30,00  | 5,55             | ▪ <sup>1)</sup> ▪ <sup>2)</sup> ▪ <sup>3)</sup> | ▪ <sup>1)</sup>              | ▪ <sup>1)</sup>               |                      | ▪                            |                                 | ▪ <sup>1)</sup>                |
| 32,00  | 6,31             | ▪   | ▪                            | ▪                             |                      | ▪                            |                                 | ▪                              |
| 33,00  | 6,71             | ▪   |                              |                               |                      |                              |                                 |                                |
| 34,00  | 7,13             | ▪   |                              |                               |                      |                              |                                 | ▪                              |
| 35,00  | 7,55             | ▪ <sup>1)</sup> ▪ <sup>2)</sup> ▪ <sup>3)</sup> | ▪                            | ▪                             |                      | ▪                            |                                 | ▪ <sup>1)</sup>                |
| 36,00  | 7,99             | ▪   | ▪                            | ▪                             |                      | ▪                            |                                 | ▪                              |
| 38,00  | 8,90             | ▪   | ▪                            | ▪                             |                      |                              |                                 | ▪                              |
| 40,00  | 9,87             | ▪ <sup>1)</sup> ▪ <sup>2)</sup> ▪ <sup>3)</sup> | ▪ <sup>1)</sup>              | ▪ <sup>1)</sup>               |                      | ▪                            |                                 | ▪ <sup>1)</sup>                |
| 42,00  | 10,88            | ▪   | ▪                            | ▪                             |                      |                              |                                 | ▪                              |
| 43,00  | 11,40            |   |                              |                               |                      |                              |                                 |                                |
| 45,00  | 12,49            | ▪ <sup>1)</sup> ▪ <sup>2)</sup>                 | ▪                            | ▪                             |                      | ▪                            |                                 | ▪ <sup>1)</sup>                |
| 46,00  | 13,05            |   |                              |                               |                      |                              |                                 |                                |
| 48,00  | 14,21            | ▪   |                              |                               |                      |                              |                                 | ▪                              |
| 50,00  | 15,41            | ▪ <sup>1)</sup> ▪ <sup>2)</sup> ▪ <sup>3)</sup> | ▪ <sup>1)</sup>              | ▪ <sup>1)</sup>               |                      | ▪                            |                                 | ▪ <sup>1)</sup>                |
| 52,00  | 16,62            |   |                              |                               |                      |                              |                                 |                                |
| 55,00  | 18,65            | ▪ <sup>2)</sup>                                 | ▪                            | ▪                             |                      | ▪                            |                                 | ▪ <sup>1)</sup>                |
| 60,00  | 22,20            | ▪ <sup>1)</sup> ▪ <sup>2)</sup>                 | ▪ <sup>1)</sup>              | ▪ <sup>1)</sup>               |                      | ▪                            |                                 | ▪ <sup>1)</sup>                |
| 65,00  | 26,05            | ▪   | ▪                            | ▪                             |                      | ▪                            |                                 | ▪ <sup>1)</sup>                |
| 70,00  | 30,21            | ▪ <sup>1)</sup>                                 | ▪ <sup>1)</sup>              | ▪ <sup>1)</sup>               |                      | ▪                            |                                 | ▪ <sup>1)</sup>                |
| 75,00  | 34,68            | ▪   | ▪                            | ▪                             |                      | ▪                            |                                 | ▪ <sup>1)</sup>                |
| 80,00  | 39,46            | ▪ <sup>1)</sup>                                 | ▪ <sup>1)</sup>              | ▪ <sup>1)</sup>               |                      | ▪                            |                                 | ▪ <sup>1)</sup>                |
| 85,00  | 44,55            | ▪   | ▪                            | ▪                             |                      |                              |                                 | ▪                              |
| 90,00  | 49,94            | ▪ <sup>1)</sup>                                 | ▪                            | ▪                             |                      | ▪                            |                                 | ▪ <sup>1)</sup>                |
| 95,00  | 55,64            | ▪   |                              |                               |                      | ▪                            |                                 | ▪                              |
| 100,00 | 61,65            | ▪ <sup>1)</sup>                                 | ▪ <sup>1)</sup>              | ▪ <sup>1)</sup>               |                      | ▪                            |                                 | ▪ <sup>1)</sup>                |

1) Afmetingen ook op lengten van 6 m leverbaar

2) ook leverbaar volgens DIN EN 10278 h8

3) ook leverbaar volgens DIN EN 10278 h6

\*/\*\*/\*\*\*\* Uitvoeringen zie pagina 53

| mm    | Theor. Gewicht<br>kg/m | W.-Nr.<br>1.4841<br><br>AISI<br>314<br>(*) | W.-Nr.<br>1.4923<br><br>**) |
|-------|------------------------|--|-----------------------------|
| 3,00  | 0,06                   | ▪  |                             |
| 4,00  | 0,10                   | ▪  |                             |
| 5,00  | 0,15                   | ▪  |                             |
| 10,00 | 0,62                   |  | ▪                           |
| 15,00 | 1,39                   |  | ▪                           |
| 20,00 | 2,47                   |  | ▪                           |

\*/\*\* Uitvoeringen zie pagina 53



| mm    | Theor. Gewicht<br>kg/m | W.-Nr.<br>1.4460<br><br>UNS<br>S32900<br>*)<br>Duplex | W.-Nr.<br>1.4462<br><br>UNS<br>S31803<br>*)<br>Duplex |
|-------|------------------------|---|---|
| 8,00  | 0,40                   |   | ▪   |
| 10,00 | 0,62                   | ▪   | ▪   |
| 12,00 | 0,89                   | ▪   | ▪   |
| 14,00 | 1,21                   |   | ▪   |
| 15,00 | 1,39                   |   | ▪   |
| 16,00 | 1,58                   | ▪   | ▪   |
| 18,00 | 2,00                   | ▪   | ▪   |
| 20,00 | 2,47                   | ▪   | ▪   |
| 22,00 | 2,98                   | ▪   | ▪   |
| 24,00 | 3,55                   | ▪   |   |
| 25,00 | 3,85                   | ▪   | ▪   |
| 26,00 | 4,17                   |   |   |
| 28,00 | 4,83                   |   | ▪   |
| 30,00 | 5,55                   | ▪   | ▪   |
| 32,00 | 6,31                   | ▪   |   |
| 35,00 | 7,55                   | ▪   | ▪   |
| 38,00 | 8,90                   |   |   |
| 40,00 | 9,87                   | ▪   | ▪   |
| 45,00 | 12,49                  | ▪   | ▪   |
| 50,00 | 15,41                  | ▪   | ▪   |
| 55,00 | 18,65                  | ▪   |   |
| 60,00 | 22,20                  | ▪   | ▪   |
| 70,00 | 30,21                  | ▪   | ▪   |
| 80,00 | 39,46                  | ▪   |   |

\* Uitvoeringen zie pagina 53



**ROND- EN  
ZESKANTSTAF**  
verbeterde verspaanbaarheid

| 62- 65



## Voor de juiste draai

De verbeterde verspaanbaarheid heeft met name effect bij draaien, frezen en boren van werkstukken. Wat de eisen ook zijn ten aanzien van ons rond- en zeskantstaf, onze productspecialisten hebben de vereiste know-how in huis en vinden het voor u optimale product.

### **Rond- en zeskantstaf | met verbeterde verspaanbaarheid**

Op handelslengten van 3 tot 6 m (rond)

Op handelslengten van 3 tot 4 m (zeskant)

- \* oplossend gegloeid en afgeschrikt, warmvervaardigd, geschild resp. getrokken en/of gemachineerd (rond)  
warmtebehandeld en koudvervaardigd (zeskant)

### **Maatnormen**

rond: DIN EN 10060 (warmvervaardigd), DIN EN 10278 h9 (koudvervaardigd)

zeskant: DIN EN 10061 (warmvervaardigd) DIN EN 10278 h11  
(koudvervaardigd)

### **Keuringscertificaten**

DIN EN 10204 3.1

- \* Inhoud zie pagina 63 tot 65



| mm     | Theor. Gew.<br>kg/m | W.-Nr.<br>1.4301<br>IM-kwaliteit<br>) | W.-Nr.<br>1.4305<br>IM-kwaliteit<br>) | W.-Nr.<br>1.4404<br>IM-kwaliteit<br>) | W.-Nr.<br>1.4435<br>IM-kwaliteit<br>) | W.-Nr.<br>1.4571<br>IM-kwaliteit<br>) |
|--------|---------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| 30,00  | 5,55                |                                       |                                       |                                       | ▪                                     |                                       |
| 35,00  | 7,55                |                                       |                                       | ▪                                     | ▪                                     |                                       |
| 36,00  | 7,99                |                                       |                                       |                                       | ▪                                     |                                       |
| 40,00  | 9,87                | ▪                                     |                                       |                                       | ▪                                     |                                       |
| 45,00  | 12,49               | ▪                                     |                                       |                                       | ▪                                     | ▪                                     |
| 48,00  | 14,21               |                                       |                                       |                                       |                                       |                                       |
| 50,00  | 15,41               | ▪                                     | ▪                                     | ▪                                     | ▪                                     | ▪                                     |
| 51,20  | 16,46               |                                       |                                       | ▪                                     |                                       |                                       |
| 52,00  | 16,62               |                                       |                                       |                                       | ▪                                     |                                       |
| 55,00  | 18,65               | ▪                                     | ▪                                     |                                       | ▪                                     | ▪                                     |
| 56,20  | 19,84               | ▪                                     |                                       |                                       |                                       |                                       |
| 60,00  | 22,20               | ▪                                     | ▪                                     | ▪                                     | ▪                                     | ▪                                     |
| 61,20  | 23,52               | ▪                                     |                                       | ▪                                     |                                       |                                       |
| 65,00  | 26,05               | ▪                                     |                                       |                                       | ▪                                     | ▪                                     |
| 66,20  | 26,86               |                                       |                                       | ▪                                     |                                       |                                       |
| 70,00  | 30,21               | ▪                                     |                                       | ▪                                     | ▪                                     | ▪                                     |
| 75,00  | 34,68               | ▪                                     | ▪                                     | ▪                                     | ▪                                     | ▪                                     |
| 80,00  | 39,46               | ▪                                     |                                       | ▪                                     | ▪                                     | ▪                                     |
| 85,00  | 44,55               |                                       |                                       |                                       | ▪                                     |                                       |
| 86,40  | 46,88               | ▪                                     |                                       |                                       |                                       |                                       |
| 90,00  | 49,94               | ▪                                     | ▪                                     | ▪                                     | ▪                                     | ▪                                     |
| 95,00  | 55,64               |                                       |                                       |                                       | ▪                                     | ▪                                     |
| 100,00 | 61,65               | ▪                                     | ▪                                     | ▪                                     | ▪                                     |                                       |
| 105,00 | 67,97               |                                       |                                       |                                       | ▪                                     |                                       |
| 107,00 | 70,55               | ▪                                     |                                       |                                       |                                       |                                       |
| 110,00 | 74,60               | ▪                                     | ▪                                     |                                       | ▪                                     |                                       |
| 115,00 | 81,54               |                                       |                                       |                                       | ▪                                     | ▪                                     |
| 120,00 | 88,78               | ▪                                     |                                       |                                       | ▪                                     |                                       |
| 125,00 | 96,33               |                                       |                                       |                                       | ▪                                     | ▪                                     |

\* Uitvoeringen zie pagina 61

| mm    | Theor. Gew.<br>kg/m | W.-Nr.<br>1.4301<br>Ugima<br>(*) | W.-Nr.<br>1.4305<br>Ugima<br>(*) | W.-Nr.<br>1.4404<br>Ugima<br>(*) | W.-Nr.<br>1.4435<br>Ugima<br>(*) | W.-Nr.<br>1.4571<br>Ugima<br>(*) |
|-------|---------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| 4,00  | 0,10                |                                  |                                  |                                  | ▪                                |                                  |
| 5,00  | 0,15                |                                  |                                  |                                  | ▪                                |                                  |
| 6,00  | 0,22                |                                  | ▪                                |                                  | ▪                                |                                  |
| 8,00  | 0,40                | ▪                                | ▪                                | ▪                                | ▪                                | ▪                                |
| 10,00 | 0,62                | ▪                                | ▪                                | ▪                                | ▪                                | ▪                                |
| 12,00 | 0,89                | ▪                                | ▪                                | ▪                                | ▪                                | ▪                                |
| 13,00 | 1,04                |                                  | ▪                                |                                  | ▪                                |                                  |
| 14,00 | 1,21                | ▪                                | ▪                                | ▪                                | ▪                                | ▪                                |
| 15,00 | 1,39                | ▪                                | ▪                                | ▪                                | ▪                                | ▪                                |
| 16,00 | 1,58                | ▪                                | ▪                                | ▪                                | ▪                                | ▪                                |
| 17,00 | 1,78                |                                  | ▪                                |                                  |                                  |                                  |
| 18,00 | 2,00                | ▪                                | ▪                                | ▪                                | ▪                                | ▪                                |
| 19,00 | 2,23                |                                  | ▪                                |                                  |                                  |                                  |
| 20,00 | 2,47                | ▪                                | ▪                                | ▪                                | ▪                                | ▪                                |
| 21,00 | 2,72                | ▪                                |                                  |                                  |                                  |                                  |
| 22,00 | 2,98                | ▪                                | ▪                                | ▪                                | ▪                                | ▪                                |
| 24,00 | 3,55                | ▪                                | ▪                                |                                  | ▪                                | ▪                                |
| 25,00 | 3,85                | ▪                                | ▪                                | ▪                                | ▪                                | ▪                                |
| 26,00 | 4,17                |                                  | ▪                                | ▪                                | ▪                                | ▪                                |
| 28,00 | 4,83                | ▪                                | ▪                                |                                  | ▪                                | ▪                                |
| 30,00 | 5,55                | ▪                                | ▪                                | ▪                                | ▪                                | ▪                                |
| 32,00 | 6,31                | ▪                                | ▪                                | ▪                                | ▪                                | ▪                                |
| 33,00 | 6,71                |                                  | ▪                                |                                  |                                  |                                  |
| 34,00 | 7,13                |                                  | ▪                                |                                  |                                  |                                  |
| 35,00 | 7,55                | ▪                                | ▪                                | ▪                                | ▪                                | ▪                                |
| 36,00 | 7,99                | ▪                                | ▪                                | ▪                                |                                  | ▪                                |
| 38,00 | 8,90                | ▪                                | ▪                                |                                  | ▪                                |                                  |
| 40,00 | 9,87                | ▪                                | ▪                                | ▪                                | ▪                                | ▪                                |
| 42,00 | 10,88               | ▪                                |                                  | ▪                                | ▪                                |                                  |
| 45,00 | 12,49               | ▪                                | ▪                                | ▪                                | ▪                                |                                  |
| 50,00 | 15,41               | ▪                                | ▪                                | ▪                                | ▪                                | ▪                                |
| 55,00 | 18,65               | ▪                                | ▪                                | ▪                                | ▪                                |                                  |
| 60,00 | 22,20               | ▪                                | ▪                                | ▪                                | ▪                                | ▪                                |
| 65,00 | 26,05               | ▪                                | ▪                                |                                  | ▪                                |                                  |
| 70,00 | 30,21               | ▪                                |                                  |                                  |                                  |                                  |
| 80,00 | 39,46               | ▪                                |                                  |                                  |                                  |                                  |
| 90,00 | 49,94               | ▪                                | ▪                                |                                  |                                  |                                  |

\* Uitvoeringen zie pagina 61



| mm    | Theor. Gewicht<br>kg/m | W.-Nr.<br>1.4301<br>Ugima<br>(*) | W.-Nr.<br>1.4571<br>Ugima<br>(*) |
|-------|------------------------|----------------------------------|----------------------------------|
| 14,00 | 1,33                   |                                  | ▪                                |
| 17,00 | 1,97                   |                                  | ▪                                |
| 19,00 | 2,45                   | ▪                                | ▪                                |
| 22,00 | 3,29                   |                                  | ▪                                |
| 24,00 | 3,92                   | ▪                                | ▪                                |
| 27,00 | 4,96                   | ▪                                | ▪                                |
| 30,00 | 6,12                   | ▪                                |                                  |
| 32,00 | 6,96                   |                                  | ▪                                |
| 36,00 | 8,81                   |                                  | ▪                                |
| 41,00 | 11,43                  | ▪                                | ▪                                |
| 50,00 | 17,00                  |                                  | ▪                                |
| 55,00 | 20,57                  |                                  | ▪                                |

\* Uitvoeringen zie pagina 61





VIERKANT- EN  
ZESKANTSTAF  
koudvervaardigd

68 - 71

# Vast en veilig

Wanneer extreme standtijd en duurzaamheid worden gevraagd, dan wordt er vaak koudvervaardigd vierkant- en zeskantstaf toegepast zoals bijvoorbeeld in de machine- en apparatenbouw. Een ding staat vast: dankzij onze jarenlange ervaring met dit materiaal kunt u altijd vertrouwen op een deskundig advies en een optimale productbeschikbaarheid.

## **Vierkant- en zeskantstaf | koudvervaardigd**

op handelslengten van 3-4 m warmtebehandeld en koudvervaardigd

- \* oplossend gegloeid
- \*\* veredeld
- \*\*\* gegloeid, gebeitst

## **Maatnormen**

DIN EN 10278 h11

## **Keuringscertificaten**

DIN EN 10204 3.1 of fabriekscertificaat 2.1/2.2

\*/\*\*/\*\* Inhoud zie pagina 68 tot 71

| mm     | Theor. Gew.<br>kg/m | W.-Nr. 1.4104<br>AISI 430F<br>***) | W.-Nr. 1.4301<br>AISI 304<br>*) | W.-Nr. 1.4305<br>AISI 303<br>*) | W.-Nr. 1.4307<br>AISI 304L<br>*) | W.-Nr. 1.4401<br>AISI 316<br>*) | W.-Nr. 1.4404<br>AISI 316L<br>*) | W.-Nr. 1.4571<br>AISI 316Ti<br>*) |
|--------|---------------------|------------------------------------|---------------------------------|---------------------------------|----------------------------------|---------------------------------|----------------------------------|-----------------------------------|
| 4,00   | 0,13                |                                    | ▪                               |                                 | ▪                                |                                 |                                  | ▪                                 |
| 5,00   | 0,20                | ▪                                  | ▪                               | ▪                               | ▪                                |                                 |                                  | ▪                                 |
| 6,00   | 0,28                | ▪                                  | ▪                               | ▪                               | ▪                                |                                 |                                  | ▪                                 |
| 7,00   | 0,39                |                                    | ▪                               | ▪                               | ▪                                |                                 |                                  | ▪                                 |
| 8,00   | 0,50                | ▪                                  | ▪                               | ▪                               | ▪                                |                                 |                                  | ▪                                 |
| 9,00   | 0,64                |                                    | ▪                               | ▪                               | ▪                                |                                 |                                  |                                   |
| 10,00  | 0,79                | ▪                                  | ▪                               | ▪                               | ▪                                | ▪                               | ▪                                | ▪                                 |
| 11,00  | 0,95                |                                    | ▪                               | ▪                               | ▪                                |                                 |                                  |                                   |
| 12,00  | 1,13                | ▪                                  | ▪                               | ▪                               | ▪                                | ▪                               | ▪                                | ▪                                 |
| 13,00  | 1,33                |                                    | ▪                               | ▪                               | ▪                                |                                 |                                  |                                   |
| 14,00  | 1,54                | ▪                                  | ▪                               | ▪                               | ▪                                |                                 |                                  | ▪                                 |
| 15,00  | 1,77                | ▪                                  | ▪                               | ▪                               | ▪                                | ▪                               | ▪                                | ▪                                 |
| 16,00  | 2,01                | ▪                                  | ▪                               | ▪                               | ▪                                | ▪                               | ▪                                | ▪                                 |
| 18,00  | 2,54                | ▪                                  | ▪                               | ▪                               | ▪                                |                                 |                                  | ▪                                 |
| 20,00  | 3,14                | ▪                                  | ▪                               | ▪                               | ▪                                | ▪                               | ▪                                | ▪                                 |
| 22,00  | 3,80                | ▪                                  | ▪                               | ▪                               | ▪                                |                                 |                                  | ▪                                 |
| 24,00  | 4,52                |                                    | ▪                               | ▪                               | ▪                                |                                 |                                  | ▪                                 |
| 25,00  | 4,91                | ▪                                  | ▪                               | ▪                               | ▪                                | ▪                               | ▪                                | ▪                                 |
| 27,00  | 5,72                |                                    |                                 |                                 |                                  |                                 |                                  | ▪                                 |
| 30,00  | 7,07                | ▪                                  | ▪                               | ▪                               | ▪                                | ▪                               | ▪                                | ▪                                 |
| 32,00  | 8,04                |                                    |                                 | ▪                               |                                  |                                 |                                  | ▪                                 |
| 35,00  | 9,62                | ▪                                  | ▪                               | ▪                               | ▪                                | ▪                               | ▪                                | ▪                                 |
| 40,00  | 12,56               | ▪                                  | ▪                               | ▪                               | ▪                                | ▪                               | ▪                                | ▪                                 |
| 45,00  | 15,90               | ▪                                  | ▪                               | ▪                               | ▪                                | ▪                               | ▪                                | ▪                                 |
| 50,00  | 19,63               | ▪                                  | ▪                               | ▪                               | ▪                                | ▪                               | ▪                                | ▪                                 |
| 55,00  | 23,75               |                                    |                                 | ▪                               |                                  |                                 |                                  |                                   |
| 60,00  | 28,26               | ▪                                  | ▪                               | ▪                               | ▪                                | ▪                               | ▪                                | ▪                                 |
| 70,00  | 38,47               |                                    | ▪                               | ▪                               | ▪                                |                                 |                                  | ▪                                 |
| 80,00  | 50,24               |                                    | ▪                               | ▪                               | ▪                                |                                 |                                  | ▪                                 |
| 100,00 | 78,50               |                                    | ▪                               |                                 | ▪                                |                                 |                                  | ▪                                 |

\*/\*\*\* Uitvoeringen zie pagina 67

| mm    | Theor. Gew.<br>kg/m | W.-Nr. 1.4057<br>AISI 431<br>**) | W.-Nr. 1.4104<br>AISI 430F<br>***) | W.-Nr. 1.4301<br>AISI 304<br>*) | W.-Nr. 1.4305<br>AISI 303<br>*) | W.-Nr. 1.4307<br>AISI 304L<br>*) | W.-Nr. 1.4401<br>AISI 316<br>*) | W.-Nr. 1.4404<br>AISI 316L<br>*) | W.-Nr. 1.4435<br>AISI 316L<br>*) | W.-Nr. 1.4541<br>AISI 321<br>*) | W.-Nr. 1.4571<br>AISI 316Ti<br>*) |
|-------|---------------------|----------------------------------|------------------------------------|---------------------------------|---------------------------------|----------------------------------|---------------------------------|----------------------------------|----------------------------------|---------------------------------|-----------------------------------|
| 5,00  | 0,17                |                                  | ▪                                  |                                 | ▪                               |                                  |                                 |                                  |                                  |                                 |                                   |
| 6,00  | 0,25                |                                  | ▪                                  |                                 | ▪                               |                                  |                                 |                                  |                                  |                                 | ▪                                 |
| 7,00  | 0,33                |                                  | ▪                                  | ▪                               | ▪                               | ▪                                | ▪                               | ▪                                |                                  |                                 |                                   |
| 8,00  | 0,44                |                                  | ▪                                  | ▪                               | ▪                               | ▪                                | ▪                               | ▪                                |                                  |                                 | ▪                                 |
| 9,00  | 0,55                |                                  | ▪                                  | ▪                               | ▪                               | ▪                                |                                 |                                  |                                  |                                 |                                   |
| 10,00 | 0,68                |                                  | ▪                                  | ▪                               | ▪                               | ▪                                | ▪                               | ▪                                |                                  |                                 | ▪                                 |
| 11,00 | 0,82                | ▪                                | ▪                                  | ▪                               | ▪                               | ▪                                |                                 |                                  |                                  |                                 | ▪                                 |
| 12,00 | 0,98                |                                  | ▪                                  | ▪                               | ▪                               | ▪                                |                                 |                                  |                                  |                                 | ▪                                 |
| 13,00 | 1,15                | ▪                                | ▪                                  | ▪                               | ▪                               | ▪                                | ▪                               | ▪                                | ▪                                | ▪                               | ▪                                 |
| 14,00 | 1,33                |                                  | ▪                                  | ▪                               | ▪                               | ▪                                | ▪                               | ▪                                | ▪                                |                                 | ▪                                 |
| 15,00 | 1,53                |                                  |                                    |                                 | ▪                               |                                  |                                 |                                  |                                  |                                 |                                   |
| 17,00 | 1,97                | ▪                                | ▪                                  | ▪                               | ▪                               | ▪                                | ▪                               | ▪                                | ▪                                | ▪                               | ▪                                 |
| 19,00 | 2,45                | ▪                                | ▪                                  | ▪                               | ▪                               | ▪                                | ▪                               | ▪                                | ▪                                | ▪                               | ▪                                 |
| 22,00 | 3,29                | ▪                                | ▪                                  | ▪                               | ▪                               | ▪                                | ▪                               | ▪                                | ▪                                | ▪                               | ▪                                 |
| 24,00 | 3,92                | ▪                                | ▪                                  | ▪                               | ▪                               | ▪                                | ▪                               | ▪                                | ▪                                | ▪                               | ▪                                 |
| 27,00 | 4,96                |                                  | ▪                                  | ▪                               | ▪                               | ▪                                | ▪                               | ▪                                | ▪                                | ▪                               | ▪                                 |
| 30,00 | 6,12                | ▪                                | ▪                                  | ▪                               | ▪                               | ▪                                | ▪                               | ▪                                | ▪                                | ▪                               | ▪                                 |
| 32,00 | 6,96                |                                  | ▪                                  | ▪                               | ▪                               | ▪                                | ▪                               | ▪                                | ▪                                | ▪                               | ▪                                 |
| 36,00 | 8,81                | ▪                                | ▪                                  | ▪                               | ▪                               | ▪                                | ▪                               | ▪                                | ▪                                | ▪                               | ▪                                 |
| 41,00 | 11,43               | ▪                                | ▪                                  | ▪                               | ▪                               | ▪                                | ▪                               | ▪                                | ▪                                | ▪                               | ▪                                 |
| 46,00 | 14,39               |                                  | ▪                                  | ▪                               | ▪                               | ▪                                | ▪                               | ▪                                |                                  | ▪                               | ▪                                 |
| 50,00 | 17,00               |                                  | ▪                                  | ▪                               | ▪                               | ▪                                | ▪                               | ▪                                |                                  | ▪                               | ▪                                 |
| 55,00 | 20,57               |                                  | ▪                                  | ▪                               | ▪                               | ▪                                | ▪                               | ▪                                |                                  | ▪                               | ▪                                 |
| 60,00 | 24,48               |                                  | ▪                                  | ▪                               | ▪                               | ▪                                | ▪                               | ▪                                |                                  | ▪                               | ▪                                 |
| 65,00 | 28,72               |                                  |                                    | ▪                               |                                 | ▪                                |                                 |                                  |                                  | ▪                               | ▪                                 |
| 70,00 | 33,31               |                                  |                                    |                                 |                                 |                                  |                                 |                                  |                                  |                                 | ▪                                 |

\*/\*\*/\*\*\*) Uitvoeringen zie pagina 67

| mm    | Theor. Gew. kg/m | W.-Nr. 1.4539<br>AISI 904L<br>(*) |
|-------|------------------|-----------------------------------|
| 19,00 | 2,45             | ▪                                 |
| 24,00 | 3,92             | ▪                                 |
| 27,00 | 4,96             | ▪                                 |
| 30,00 | 6,12             | ▪                                 |
| 32,00 | 6,96             | ▪                                 |
| 36,00 | 8,81             | ▪                                 |
| 41,00 | 11,43            | ▪                                 |

\* Uitvoeringen zie pagina 67



| mm    | Theor. Gew.<br>kg/m | W.-Nr.<br>1.4841<br>AISI<br>314<br>(*) | W.-Nr.<br>1.4878<br>AISI<br>321H<br>(*) |
|-------|---------------------|--|---|
| 13,00 | 1,15                | ▪                                      | ▪                                       |
| 17,00 | 1,97                | ▪                                      | ▪                                       |
| 19,00 | 2,45                | ▪                                      | ▪                                       |
| 22,00 | 3,29                | ▪                                      | ▪                                       |
| 24,00 | 3,92                | ▪                                      | ▪                                       |
| 27,00 | 4,96                | ▪                                      | ▪                                       |
| 30,00 | 6,12                | ▪                                      | ▪                                       |
| 32,00 | 6,96                | ▪                                      | ▪                                       |
| 36,00 | 8,81                | ▪                                      | ▪                                       |
| 41,00 | 11,43               | ▪                                      | ▪                                       |
| 46,00 | 14,39               | ▪                                      | ▪                                       |
| 50,00 | 17,00               | ▪                                      | ▪                                       |
| 55,00 | 20,57               | ▪                                      | ▪                                       |
| 60,00 | 24,48               | ▪                                      | ▪                                       |
| 65,00 | 28,72               | ▪                                      | ▪                                       |

\* Uitvoeringen zie pagina 67



# PLATSTAF

koudvervaardigd

74 - 77



# Stevig en duurzaam

Koudvervaardigd platstaf is onverwoestbaar en wordt derhalve vaak bij constructies toegepast die zich onderscheiden in extreme stabiliteit, torsiestijfheid en duurzaamheid. Goed te weten dat wij niet alleen over een ruime know-how inzake dit product beschikken maar ook altijd de passende producten voor uw project voorradig hebben.

## **Platstaf | koudvervaardigd**

op handelslengten van 3-4 m, warmtebehandeld en koudvervaardigd

\* oplossend gegloeid

## **Maatnormen**

DIN EN 10278

## **Keuringscertificaten**

DIN EN 10204 3.1 of fabriekscertificaat 2.1/2.2

\* Inhoud zie pagina 74 tot 77

| mm      | Theor. Gew.<br>kg/m | W.-Nr.<br>1.4301<br>AISI<br>304<br>(*) | W.-Nr.<br>1.4305<br>AISI<br>303<br>(*) | W.-Nr.<br>1.4307<br>AISI<br>304L<br>(*) | W.-Nr.<br>1.4401<br>AISI<br>316<br>(*) | W.-Nr.<br>1.4404<br>AISI<br>316L<br>(*) | W.-Nr.<br>1.4571<br>AISI<br>316Ti<br>(*) |
|---------|---------------------|--|--|---|--|---|--|
| 8 x 4   | 0,26                | ▪                                      |  | ▪                                       |  |   |  |
| 10 x 3  | 0,24                | ▪                                      |  | ▪                                       |  |   | ▪  |
| 10 x 4  | 0,31                | ▪                                      |  | ▪                                       |  |   | ▪  |
| 10 x 5  | 0,39                | ▪                                      | ▪                                      | ▪                                       |  |   | ▪  |
| 10 x 6  | 0,47                | ▪                                      |  | ▪                                       |  |   |  |
| 10 x 8  | 0,63                | ▪                                      |  | ▪                                       |  |   |  |
| 12 x 3  | 0,28                | ▪                                      |  | ▪                                       |  |   | ▪  |
| 12 x 4  | 0,38                | ▪                                      |  | ▪                                       |  |   |  |
| 12 x 5  | 0,47                | ▪                                      |  | ▪                                       |  |   |  |
| 12 x 6  | 0,57                | ▪                                      |  | ▪                                       |  |   |  |
| 12 x 8  | 0,75                | ▪                                      |  | ▪                                       |  |   |  |
| 15 x 3  | 0,35                | ▪                                      |  | ▪                                       | ▪                                      | ▪                                       | ▪  |
| 15 x 4  | 0,47                | ▪                                      |  | ▪                                       |  |   | ▪  |
| 15 x 5  | 0,59                | ▪                                      |  | ▪                                       | ▪                                      | ▪                                       | ▪  |
| 15 x 6  | 0,71                | ▪                                      |  | ▪                                       |  |   | ▪  |
| 15 x 8  | 0,94                | ▪                                      |  | ▪                                       |  |   | ▪  |
| 15 x 10 | 1,18                | ▪                                      |  | ▪                                       | ▪                                      | ▪                                       | ▪  |
| 15 x 12 | 1,41                | ▪                                      |  | ▪                                       |  |   |  |
| 16 x 6  | 0,75                | ▪                                      |  | ▪                                       |  |   |  |
| 16 x 8  | 1,01                | ▪                                      |  | ▪                                       |  |   |  |
| 20 x 3  | 0,47                | ▪                                      |  | ▪                                       |  |   | ▪  |
| 20 x 4  | 0,63                | ▪                                      |  | ▪                                       |  |   | ▪  |
| 20 x 5  | 0,79                | ▪                                      | ▪                                      | ▪                                       | ▪                                      | ▪                                       | ▪  |
| 20 x 6  | 0,94                | ▪                                      | ▪                                      | ▪                                       |  |   | ▪  |
| 20 x 8  | 1,26                | ▪                                      | ▪                                      | ▪                                       | ▪                                      | ▪                                       | ▪  |
| 20 x 10 | 1,57                | ▪                                      | ▪                                      | ▪                                       | ▪                                      | ▪                                       | ▪  |
| 20 x 12 | 1,88                | ▪                                      | ▪                                      | ▪                                       |  |   | ▪  |
| 20 x 15 | 2,36                | ▪                                      | ▪                                      | ▪                                       |  |   | ▪  |
| 25 x 3  | 0,59                | ▪                                      |  | ▪                                       |  |   | ▪  |
| 25 x 4  | 0,79                | ▪                                      |  | ▪                                       |  |   | ▪  |
| 25 x 5  | 0,98                | ▪                                      |  | ▪                                       |  |   | ▪  |
| 25 x 6  | 1,18                | ▪                                      |  | ▪                                       | ▪                                      | ▪                                       | ▪  |
| 25 x 8  | 1,57                | ▪                                      | ▪                                      | ▪                                       |  |   | ▪  |
| 25 x 10 | 1,96                | ▪                                      | ▪                                      | ▪                                       | ▪                                      | ▪                                       | ▪  |
| 25 x 12 | 2,36                | ▪                                      |  | ▪                                       |  |   | ▪  |
| 25 x 15 | 2,94                | ▪                                      |  | ▪                                       |  |   | ▪  |
| 25 x 20 | 3,93                | ▪                                      |  | ▪                                       |  |   | ▪  |
| 30 x 3  | 0,71                | ▪                                      |  | ▪                                       |  |   | ▪  |

\* Uitvoeringen zie pagina 73

| mm      | Theor. Gew. kg/m | W.-Nr. 1.4301<br>AISI 304 *) | W.-Nr. 1.4305<br>AISI 303 *) | W.-Nr. 1.4307<br>AISI 304L *) | W.-Nr. 1.4401<br>AISI 316 *) | W.-Nr. 1.4404<br>AISI 316L *) | W.-Nr. 1.4571<br>AISI 316Ti *) |
|---------|------------------|------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|--------------------------------|
| 30 x 4  | 0,94             | ▪                            |                              | ▪                             |                              |                               | ▪                              |
| 30 x 5  | 1,18             | ▪                            | ▪                            | ▪                             | ▪                            | ▪                             | ▪                              |
| 30 x 6  | 1,41             | ▪                            | ▪                            | ▪                             |                              |                               | ▪                              |
| 30 x 8  | 1,88             | ▪                            | ▪                            | ▪                             | ▪                            | ▪                             | ▪                              |
| 30 x 10 | 2,36             | ▪ <sup>1)</sup>              | ▪                            | ▪ <sup>1)</sup>               |                              |                               | ▪                              |
| 30 x 12 | 2,83             | ▪                            | ▪                            | ▪                             |                              |                               | ▪                              |
| 30 x 15 | 3,53             | ▪ <sup>1)</sup>              | ▪                            | ▪ <sup>1)</sup>               | ▪                            | ▪                             | ▪                              |
| 30 x 20 | 4,71             | ▪ <sup>1)</sup>              | ▪                            | ▪ <sup>1)</sup>               | ▪                            | ▪                             | ▪                              |
| 30 x 25 | 5,89             | ▪                            |                              | ▪                             | ▪                            | ▪                             | ▪                              |
| 35 x 3  | 0,82             | ▪                            |                              | ▪                             |                              |                               |                                |
| 35 x 4  | 1,10             | ▪                            |                              | ▪                             |                              |                               |                                |
| 35 x 5  | 1,37             | ▪                            |                              | ▪                             |                              |                               |                                |
| 35 x 6  | 1,65             | ▪                            |                              | ▪                             | ▪                            | ▪                             | ▪                              |
| 35 x 8  | 2,20             | ▪                            |                              | ▪                             |                              |                               |                                |
| 35 x 10 | 2,75             | ▪                            |                              | ▪                             |                              |                               |                                |
| 35 x 12 | 3,30             | ▪                            |                              | ▪                             |                              |                               |                                |
| 35 x 15 | 4,12             | ▪                            |                              | ▪                             |                              |                               | ▪                              |
| 35 x 20 | 5,50             | ▪                            |                              | ▪                             |                              |                               |                                |
| 35 x 25 | 6,87             | ▪                            |                              | ▪                             |                              |                               |                                |
| 40 x 3  | 0,94             | ▪                            |                              | ▪                             |                              |                               |                                |
| 40 x 4  | 1,26             | ▪                            |                              | ▪                             |                              |                               | ▪                              |
| 40 x 5  | 1,57             | ▪                            |                              | ▪                             | ▪                            | ▪                             | ▪                              |
| 40 x 6  | 1,88             | ▪                            | ▪                            | ▪                             | ▪                            | ▪                             | ▪                              |
| 40 x 8  | 2,51             | ▪                            | ▪                            | ▪                             | ▪                            | ▪                             | ▪                              |
| 40 x 10 | 3,14             | ▪ <sup>1)</sup>              | ▪                            | ▪ <sup>1)</sup>               | ▪                            | ▪                             | ▪                              |
| 40 x 12 | 3,77             | ▪                            | ▪                            | ▪                             | ▪                            | ▪                             | ▪                              |
| 40 x 15 | 4,71             | ▪                            | ▪                            | ▪                             | ▪                            | ▪                             | ▪                              |
| 40 x 20 | 6,28             | ▪ <sup>1)</sup>              | ▪                            | ▪ <sup>1)</sup>               | ▪                            | ▪                             | ▪                              |
| 40 x 25 | 7,85             | ▪                            | ▪                            | ▪                             |                              |                               | ▪                              |
| 40 x 30 | 9,42             | ▪                            | ▪                            | ▪                             | ▪                            | ▪                             | ▪                              |
| 45 x 5  | 1,77             | ▪                            |                              | ▪                             |                              |                               |                                |
| 45 x 6  | 2,12             | ▪                            |                              | ▪                             |                              |                               |                                |
| 45 x 8  | 2,83             | ▪                            |                              | ▪                             |                              |                               |                                |
| 45 x 10 | 3,53             | ▪                            |                              | ▪                             |                              |                               |                                |
| 45 x 12 | 4,24             | ▪                            |                              | ▪                             |                              |                               |                                |
| 45 x 15 | 5,30             | ▪                            |                              | ▪                             |                              |                               |                                |
| 50 x 3  | 1,18             | ▪                            |                              | ▪                             |                              |                               |                                |
| 50 x 4  | 1,57             | ▪                            |                              | ▪                             |                              |                               |                                |

<sup>1)</sup> Afmeting ook op lengten van 6 m leverbaar

\* Uitvoeringen zie pagina 73

| mm      | Theor. Gew.<br>kg/m | W.-Nr. 1.4301<br>AISI 304<br>(*) | W.-Nr. 1.4305<br>AISI 303<br>(*) | W.-Nr. 1.4307<br>AISI 304L<br>(*) | W.-Nr. 1.4401<br>AISI 316<br>(*) | W.-Nr. 1.4404<br>AISI 316L<br>(*) | W.-Nr. 1.4571<br>AISI 316Ti<br>(*) |
|---------|---------------------|----------------------------------|----------------------------------|-----------------------------------|----------------------------------|-----------------------------------|------------------------------------|
| 50 x 5  | 1,96                | ▪                                |                                  | ▪                                 |                                  |                                   | ▪                                  |
| 50 x 6  | 2,36                | ▪                                |                                  | ▪                                 |                                  |                                   | ▪                                  |
| 50 x 8  | 3,14                | ▪                                | ▪                                | ▪                                 |                                  |                                   | ▪                                  |
| 50 x 10 | 3,93                | ▪ <sup>1)</sup>                  | ▪                                | ▪ <sup>1)</sup>                   |                                  |                                   | ▪                                  |
| 50 x 12 | 4,71                | ▪                                |                                  | ▪                                 |                                  |                                   | ▪                                  |
| 50 x 15 | 5,89                | ▪                                | ▪                                | ▪                                 |                                  |                                   | ▪                                  |
| 50 x 20 | 7,85                | ▪ <sup>1)</sup>                  | ▪                                | ▪ <sup>1)</sup>                   |                                  |                                   | ▪                                  |
| 50 x 25 | 9,81                | ▪                                |                                  | ▪                                 |                                  |                                   |                                    |
| 50 x 30 | 11,78               | ▪ <sup>1)</sup>                  | ▪                                | ▪ <sup>1)</sup>                   |                                  |                                   |                                    |
| 50 x 35 | 13,74               | ▪                                |                                  | ▪                                 |                                  |                                   |                                    |
| 50 x 40 | 15,70               | ▪                                | ▪                                | ▪                                 |                                  |                                   | ▪                                  |
| 60 x 4  | 1,88                | ▪                                |                                  | ▪                                 |                                  |                                   |                                    |
| 60 x 5  | 2,36                | ▪                                |                                  | ▪                                 |                                  |                                   | ▪                                  |
| 60 x 6  | 2,83                | ▪                                |                                  | ▪                                 | ▪                                | ▪                                 | ▪                                  |
| 60 x 8  | 3,77                | ▪                                | ▪                                | ▪                                 |                                  |                                   | ▪                                  |
| 60 x 10 | 4,71                | ▪ <sup>1)</sup>                  | ▪                                | ▪ <sup>1)</sup>                   |                                  |                                   | ▪                                  |
| 60 x 12 | 5,65                | ▪                                | ▪                                | ▪                                 |                                  |                                   | ▪                                  |
| 60 x 15 | 7,07                | ▪                                | ▪                                | ▪                                 |                                  |                                   | ▪                                  |
| 60 x 20 | 9,42                | ▪ <sup>1)</sup>                  | ▪                                | ▪ <sup>1)</sup>                   | ▪                                | ▪                                 | ▪                                  |
| 60 x 25 | 11,78               | ▪                                |                                  | ▪                                 |                                  |                                   |                                    |
| 60 x 30 | 14,13               | ▪                                | ▪                                | ▪                                 |                                  |                                   |                                    |
| 60 x 35 | 16,49               | ▪                                | ▪                                | ▪                                 |                                  |                                   |                                    |
| 60 x 40 | 18,84               | ▪ <sup>1)</sup>                  | ▪                                | ▪ <sup>1)</sup>                   | ▪                                | ▪                                 | ▪                                  |
| 70 x 5  | 2,75                | ▪                                |                                  | ▪                                 |                                  |                                   |                                    |
| 70 x 6  | 3,30                | ▪                                |                                  | ▪                                 |                                  |                                   |                                    |
| 70 x 8  | 4,40                | ▪                                |                                  | ▪                                 |                                  |                                   |                                    |
| 70 x 10 | 5,50                | ▪                                |                                  | ▪                                 |                                  |                                   | ▪                                  |
| 70 x 12 | 6,59                | ▪                                |                                  | ▪                                 |                                  |                                   |                                    |
| 70 x 15 | 8,24                | ▪                                |                                  | ▪                                 |                                  |                                   |                                    |
| 70 x 20 | 10,99               | ▪                                |                                  | ▪                                 |                                  |                                   |                                    |
| 70 x 25 | 13,74               | ▪                                |                                  | ▪                                 |                                  |                                   |                                    |
| 70 x 30 | 16,49               | ▪                                |                                  | ▪                                 |                                  |                                   |                                    |
| 80 x 4  | 2,51                | ▪                                |                                  | ▪                                 |                                  |                                   |                                    |
| 80 x 5  | 3,14                | ▪                                |                                  | ▪                                 |                                  |                                   | ▪                                  |
| 80 x 6  | 3,77                | ▪ <sup>1)</sup>                  |                                  | ▪ <sup>1)</sup>                   |                                  |                                   | ▪                                  |
| 80 x 8  | 5,02                | ▪ <sup>1)</sup>                  |                                  | ▪ <sup>1)</sup>                   |                                  |                                   | ▪                                  |
| 80 x 10 | 6,28                | ▪                                | ▪                                | ▪                                 |                                  |                                   | ▪                                  |
| 80 x 12 | 7,54                | ▪                                | ▪                                | ▪                                 | ▪                                | ▪                                 | ▪                                  |

<sup>1)</sup> Afmeting ook op lengten van 6 m leverbaar

\* Uitvoeringen zie pagina 73

| mm       | Theor. Gew.<br>kg/m | W.-Nr.<br>1.4301<br>AISI<br>304<br>(*) | W.-Nr.<br>1.4305<br>AISI<br>303<br>(*) | W.-Nr.<br>1.4307<br>AISI<br>304L<br>(*) | W.-Nr.<br>1.4401<br>AISI<br>316<br>(*) | W.-Nr.<br>1.4404<br>AISI<br>316L<br>(*) | W.-Nr.<br>1.4571<br>AISI<br>316Ti<br>(*) |
|----------|---------------------|--|--|---|--|---|--|
| 80 x 15  | 9,42                | ▪                                      | ▪                                      | ▪                                       |  |   | ▪  |
| 80 x 20  | 12,56               | ▪ <sup>1)</sup>                        | ▪                                      | ▪ <sup>1)</sup>                         | ▪                                      | ▪                                       | ▪  |
| 80 x 25  | 15,70               | ▪                                      |  | ▪                                       |  |   |  |
| 80 x 30  | 18,84               | ▪                                      | ▪                                      | ▪                                       | ▪                                      | ▪                                       | ▪  |
| 80 x 40  | 25,12               | ▪                                      | ▪                                      | ▪                                       |  |   |  |
| 90 x 6   | 4,24                | ▪                                      |  | ▪                                       |  |   |  |
| 90 x 8   | 5,65                | ▪                                      |  | ▪                                       |  |   |  |
| 90 x 10  | 7,07                | ▪                                      |  | ▪                                       |  |   |  |
| 90 x 12  | 8,48                | ▪                                      |  | ▪                                       |  |   |  |
| 90 x 15  | 10,60               | ▪                                      |  | ▪                                       |  |   |  |
| 90 x 20  | 14,13               | ▪                                      |  | ▪                                       |  |   |  |
| 90 x 25  | 17,66               | ▪                                      |  | ▪                                       |  |   |  |
| 100 x 5  | 3,93                | ▪                                      |  | ▪                                       |  |   |  |
| 100 x 6  | 4,71                | ▪                                      |  | ▪                                       |  |   | ▪  |
| 100 x 8  | 6,28                | ▪                                      |  | ▪                                       | ▪                                      | ▪                                       | ▪  |
| 100 x 10 | 7,85                | ▪ <sup>1)</sup>                        | ▪                                      | ▪ <sup>1)</sup>                         | ▪                                      | ▪                                       | ▪  |
| 100 x 12 | 9,42                | ▪                                      | ▪                                      | ▪                                       |  |   |  |
| 100 x 15 | 11,78               | ▪                                      | ▪                                      | ▪                                       | ▪                                      | ▪                                       | ▪  |
| 100 x 20 | 15,70               | ▪ <sup>1)</sup>                        | ▪                                      | ▪ <sup>1)</sup>                         | ▪                                      | ▪                                       |  |
| 100 x 25 | 19,63               | ▪                                      |  | ▪                                       |  |   |  |
| 100 x 30 | 23,55               | ▪                                      | ▪                                      | ▪                                       |  |   |  |
| 120 x 8  | 7,54                | ▪                                      |  | ▪                                       |  |   |  |
| 120 x 10 | 9,42                | ▪                                      |  | ▪                                       |  |   | ▪  |
| 120 x 15 | 14,13               | ▪                                      |  | ▪                                       |  |   |  |
| 120 x 20 | 18,84               | ▪                                      |  | ▪                                       |  |   |  |
| 140 x 8  | 8,79                | ▪                                      |  | ▪                                       |  |   |  |
| 140 x 10 | 10,99               | ▪                                      |  | ▪                                       |  |   |  |
| 150 x 10 | 11,78               | ▪                                      |  | ▪                                       |  |   |  |
| 150 x 15 | 17,66               | ▪                                      |  | ▪                                       |  |   |  |
| 160 x 10 | 12,56               | ▪                                      |  | ▪                                       |  |   |  |

<sup>1)</sup> Afmeting ook op lengten van 6 m leverbaar

\* Uitvoeringen zie pagina 73



## PLATSTAF

warmvervaardigd resp. uit plaat  
of band geproduceerd | geslepen

80 - 81

## Op maat gesneden

Warmvervaardigd, geslepen platstaf ziet er niet alleen waardevol uit maar dat is het ook. Of het nu uit plaat of band geslit is, u kunt het krijgen in de door u gewenste kwaliteit en uiteraard voorzien van een keuringscertificaat. Ook dit past vanzelfsprekend binnen onze ideeën hoe wij over voorraadbeheer denken.

### **Platstaf | warmvervaardigd resp. uit plaat of band geproduceerd | geslepen korrel 240 resp. 320**

op handelslengten van 4- 6 m, warmtebehandeld voor het snijden, geslepen korrel 240 resp. 320

\* oplossend gegloeid

### **Keuringscertificaat**

DIN EN 10204 3.1 van het voormateriaal

\* Inhoud zie pagina 80 tot 81

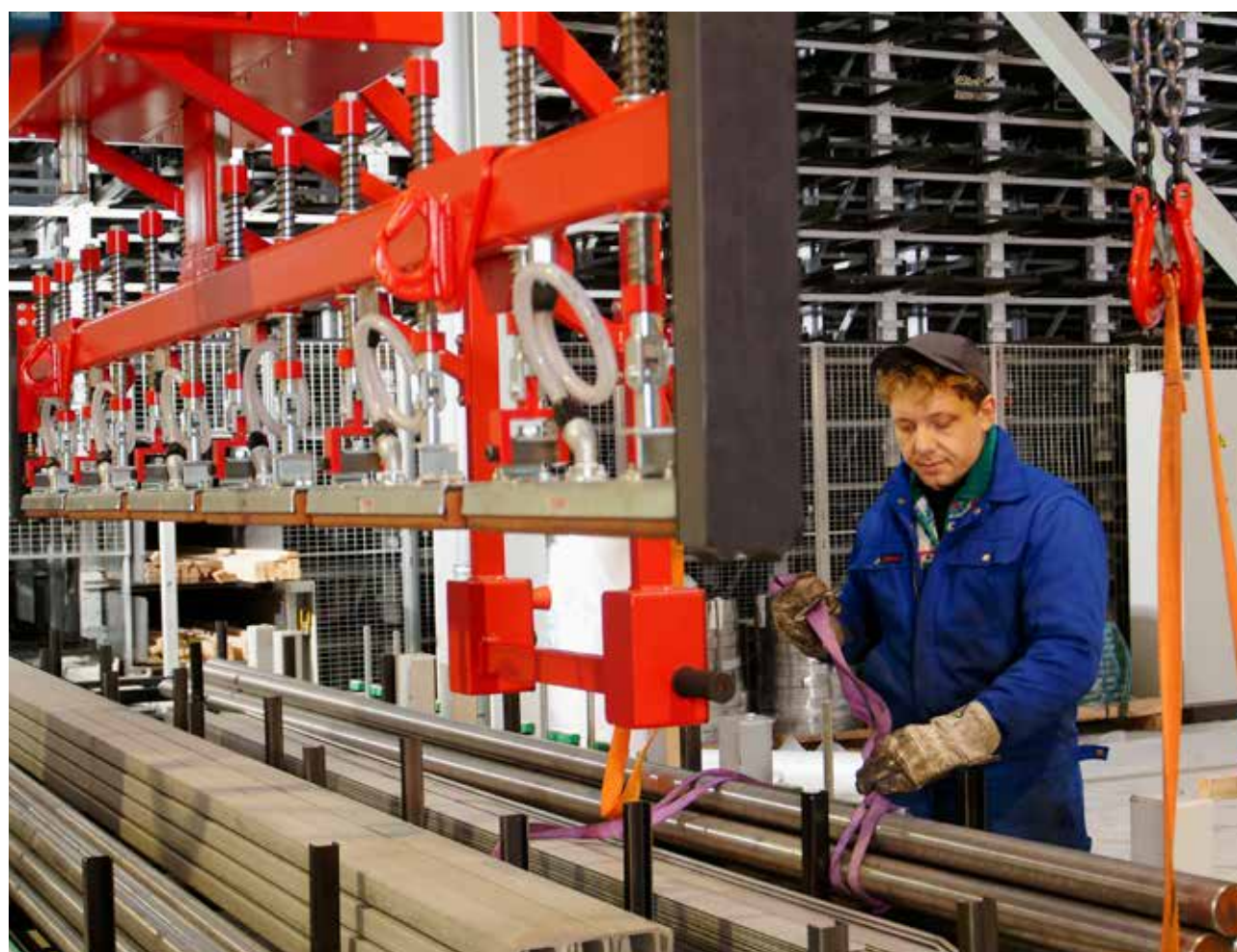
| mm      | Theor. Gew. kg/m | W.-Nr. 14301<br>AISI 304 *) |
|---------|------------------|-----------------------------|
| 20 x 3  | 0,47             | ▪                           |
| 20 x 4  | 0,63             | ▪                           |
| 20 x 5  | 0,79             | ▪                           |
| 20 x 6  | 0,94             | ▪                           |
| 20 x 8  | 1,26             | ▪                           |
| 20 x 10 | 1,57             | ▪                           |
| 25 x 5  | 0,98             | ▪                           |
| 25 x 6  | 1,18             | ▪                           |
| 25 x 8  | 1,57             | ▪                           |
| 25 x 10 | 1,96             | ▪                           |
| 30 x 4  | 0,94             | ▪                           |
| 30 x 5  | 1,18             | ▪                           |
| 30 x 6  | 1,41             | ▪                           |
| 30 x 8  | 1,88             | ▪                           |
| 30 x 10 | 2,36             | ▪                           |
| 35 x 8  | 2,20             | ▪                           |
| 40 x 3  | 0,94             | ▪                           |
| 40 x 4  | 1,26             | ▪                           |
| 40 x 5  | 1,57             | ▪                           |
| 40 x 6  | 1,88             | ▪                           |
| 40 x 8  | 2,51             | ▪                           |
| 40 x 10 | 3,14             | ▪                           |
| 40 x 12 | 3,77             | ▪                           |
| 50 x 4  | 1,57             | ▪                           |
| 50 x 5  | 1,96             | ▪                           |
| 50 x 6  | 2,36             | ▪                           |
| 50 x 8  | 3,14             | ▪                           |
| 50 x 10 | 3,93             | ▪                           |
| 50 x 12 | 4,71             | ▪                           |
| 60 x 4  | 1,88             | ▪                           |
| 60 x 5  | 2,36             | ▪                           |
| 60 x 6  | 2,83             | ▪                           |
| 60 x 8  | 3,77             | ▪                           |
| 60 x 10 | 4,71             | ▪                           |
| 60 x 12 | 5,65             | ▪                           |
| 70 x 10 | 5,50             | ▪                           |
| 80 x 4  | 2,51             | ▪                           |
| 80 x 5  | 3,14             | ▪                           |
| 80 x 6  | 3,77             | ▪                           |

\* Uitvoeringen zie pagina 79



| mm       | Theor. Gew. kg/m | W.-Nr. 14301<br>AISI 304 *) |
|----------|------------------|-----------------------------|
| 80 x 8   | 5,02             | ▪                           |
| 80 x 10  | 6,28             | ▪                           |
| 100 x 5  | 3,93             | ▪                           |
| 100 x 6  | 4,71             | ▪                           |
| 100 x 8  | 6,28             | ▪                           |
| 100 x 10 | 7,85             | ▪                           |
| 120 x 8  | 7,54             | ▪                           |
| 120 x 10 | 9,42             | ▪                           |

\* Uitvoeringen zie pagina 79





HALFROND-  
EN PLATHALFROND-  
PROFIELEN

# Goede wijn behoeft geen krans

Halffrond- en plathalffrond- profielen zijn de multitalenten in de staalbouw en worden dan ook op vele gebieden toegepast. Om te kunnen garanderen dat u altijd de beste kwaliteit en kortst mogelijke levertijd krijgt werkt onze inkoop alleen maar met eerste klas producenten samen.

## **Halffrond- en plathalffrond- profielen**

Op handelslengten van 3 tot 3,5 m

blank, koudvervaardigd en blankgegloeid

\* oplossend gegloeid

## **Maatnormen**

DIN 1018

## **Keuringscertificaten**

DIN EN 10204 3.1 of fabriekscertificaat 2.1/2.

\* Inhoud zie pagina 84

## Halffrond profielen | roestvast

| mm      | Theor. Gew.<br>kg/m | W.-Nr.<br>1.4404<br>AISI<br>316L<br>(*) |
|---------|---------------------|---|
| 12 x 6  | 0,45                | ▪                                       |
| 16 x 8  | 0,78                | ▪                                       |
| 20 x 10 | 1,23                | ▪                                       |
| 30 x 15 | 2,77                | ▪                                       |
| 40 x 20 | 4,95                | ▪                                       |
| 50 x 25 | 7,75                | ▪                                       |

## Plathalffrond profielen | roestvast

| mm       | Theor. Gew.<br>kg/m | W.-Nr.<br>1.4404<br>AISI<br>316L<br>(*) |
|----------|---------------------|---|
| 10 x 3,5 | 0,20                | ▪                                       |
| 20 x 4,0 | 0,43                | ▪                                       |

\* Uitvoeringen zie pagina 83





# HOEK- EN SPECIALE HOEKPROFIELEN

gelijkzijdig of ongelijkzijdig

| 88 - 92



# Vanuit de juiste hoek bekeken

Inkopers en technici werkzaam in de constructiewereld weten ons assortiment hoek en speciale hoekprofielen op de juiste waarde te schatten. Toepassing van deze profielen reduceert de productietijd en daarmee tegelijkertijd de kosten. Omdat wij dit ook zo zien hebben wij altijd de juiste producten voor u uit voorraad beschikbaar.

## **Hoek- en speciale hoekprofielen | gelijkzijdig of ongelijkzijdig**

warmvervaardigd op handelslengten van 5 tot 6 m (hoek) resp. 4-7 m (speciaal hoek), koudvervaardigd op handelslengten van 3 tot 3,5 m

\* oplossend gegloeid resp. afgeschrikt, gebeitst, warmvervaardigd

## **Keuringscertificaten**

DIN EN 10204 3.1 resp. fabriekscertificaat 2.1/2.2

\* Inhoud zie pagina 88 tot 92

| mm<br>a x a x t | Theor.<br>Gew.<br>kg/m | W.-Nr.<br>1.4301<br>AISI<br>304<br>(*) | W.-Nr.<br>1.4307<br>AISI<br>304L<br>(*) | W.-Nr.<br>1.4401<br>AISI<br>316<br>(*) | W.-Nr.<br>1.4404<br>AISI<br>316L<br>(*) | W.-Nr.<br>1.4541<br>AISI<br>321<br>(*) | W.-Nr.<br>1.4571<br>AISI<br>316Ti<br>(*) |
|-----------------|------------------------|--|---|--|---|--|--|
| 20 x 20 x 3     | 0,89                   | ▪                                      | ▪                                       | ▪                                      | ▪                                       | ▪                                      | ▪  |
| 20 x 20 x 4     | 1,14                   | ▪                                      | ▪                                       |  |   |  |  |
| 25 x 25 x 3     | 1,13                   | ▪                                      | ▪                                       | ▪                                      | ▪                                       | ▪                                      | ▪  |
| 25 x 25 x 4     | 1,47                   | ▪                                      | ▪                                       |  |   |  |  |
| 30 x 30 x 3     | 1,37                   | ▪                                      | ▪                                       | ▪                                      | ▪                                       | ▪                                      | ▪  |
| 30 x 30 x 4     | 1,79                   | ▪                                      | ▪                                       | ▪                                      | ▪                                       | ▪                                      | ▪  |
| 35 x 35 x 4     | 2,11                   | ▪                                      | ▪                                       | ▪                                      | ▪                                       | ▪                                      | ▪  |
| 40 x 40 x 3     | 1,85                   | ▪                                      | ▪                                       |  |   |  |  |
| 40 x 40 x 4     | 2,43                   | ▪                                      | ▪                                       | ▪                                      | ▪                                       | ▪                                      | ▪  |
| 40 x 40 x 5     | 3,00                   | ▪                                      | ▪                                       | ▪                                      | ▪                                       | ▪                                      | ▪  |
| 45 x 45 x 5     | 3,40                   | ▪                                      | ▪                                       |  |   |  | ▪  |
| 50 x 50 x 4     | 3,07                   | ▪                                      | ▪                                       |  |   |  |  |
| 50 x 50 x 5     | 3,80                   | ▪                                      | ▪                                       | ▪                                      | ▪                                       | ▪                                      | ▪  |
| 50 x 50 x 6     | 4,47                   | ▪                                      | ▪                                       |  |   |  |  |
| 60 x 60 x 5     | 4,60                   | ▪                                      | ▪                                       |  |   |  | ▪  |
| 60 x 60 x 6     | 5,47                   | ▪                                      | ▪                                       | ▪                                      | ▪                                       | ▪                                      | ▪  |
| 70 x 70 x 7     | 7,47                   | ▪                                      | ▪                                       | ▪                                      | ▪                                       | ▪                                      | ▪  |
| 80 x 80 x 8     | 9,73                   | ▪                                      | ▪                                       | ▪                                      | ▪                                       | ▪                                      | ▪  |
| 90 x 90 x 9     | 12,31                  | ▪                                      | ▪                                       | ▪                                      | ▪                                       |  | ▪  |
| 100 x 100 x 10  | 15,20                  | ▪                                      | ▪                                       | ▪                                      | ▪                                       | ▪                                      | ▪  |

\* Uitvoeringen zie pagina 87



| mm<br>a x a x t | Theor.<br>Gew.<br>kg/m | W.-Nr.<br>1.4301<br>AISI<br>304<br>(*) | W.-Nr.<br>1.4307<br>AISI<br>304L<br>(*) | W.-Nr.<br>1.4571<br>AISI<br>316Ti<br>(*) |
|-----------------|------------------------|--|---|--|
| 15 x 15 x 2     | 0,45                   | ▪                                      | ▪                                       |  |
| 15 x 15 x 3     | 0,65                   | ▪                                      | ▪                                       |  |
| 20 x 20 x 2     | 0,61                   | ▪                                      | ▪                                       |  |
| 20 x 20 x 5     | 1,39                   | ▪                                      | ▪                                       |  |
| 25 x 25 x 5     | 1,79                   | ▪                                      | ▪                                       | ▪  |
| 30 x 30 x 5     | 2,20                   | ▪                                      | ▪                                       |  |
| 30 x 30 x 6     | 2,56                   | ▪                                      | ▪                                       | ▪  |
| 35 x 35 x 5     | 2,57                   | ▪                                      | ▪                                       |  |
| 35 x 35 x 6     | 3,10                   | ▪                                      | ▪                                       |  |
| 40 x 40 x 6     | 3,49                   | ▪                                      | ▪                                       |  |
| 40 x 40 x 8     | 4,60                   | ▪                                      | ▪                                       |  |
| 50 x 50 x 7     | 5,15                   | ▪                                      | ▪                                       | ▪  |
| 50 x 50 x 9     | 6,49                   | ▪                                      | ▪                                       |  |
| 50 x 50 x 10    | 7,09                   | ▪                                      | ▪                                       | ▪  |
| 55 x 55 x 6     | 4,99                   | ▪                                      | ▪                                       |  |
| 60 x 60 x 7     | 6,24                   | ▪                                      | ▪                                       |  |
| 60 x 60 x 8     | 7,17                   | ▪                                      | ▪                                       | ▪  |
| 60 x 60 x 10    | 8,80                   | ▪                                      | ▪                                       | ▪  |
| 65 x 65 x 5     | 5,03                   | ▪                                      | ▪                                       |  |
| 65 x 65 x 9     | 8,71                   |  |   | ▪  |
| 70 x 70 x 9     | 9,30                   | ▪                                      | ▪                                       |  |
| 70 x 70 x 11    | 11,20                  | ▪                                      | ▪                                       |  |
| 75 x 75 x 6     | 6,90                   | ▪                                      | ▪                                       | ▪  |
| 75 x 75 x 7     | 7,95                   | ▪                                      | ▪                                       |  |
| 80 x 80 x 6     | 7,40                   | ▪                                      | ▪                                       | ▪  |
| 80 x 80 x 10    | 12,00                  | ▪                                      | ▪                                       | ▪  |
| 80 x 80 x 12    | 14,10                  | ▪                                      | ▪                                       |  |
| 100 x 100 x 6   | 9,31                   | ▪                                      | ▪                                       |  |
| 100 x 100 x 8   | 12,20                  | ▪                                      | ▪                                       | ▪  |
| 100 x 100 x 12  | 17,80                  | ▪                                      | ▪                                       |  |
| 110 x 110 x 10  | 16,60                  | ▪                                      | ▪                                       | ▪  |
| 120 x 120 x 10  | 18,10                  | ▪                                      | ▪                                       | ▪  |
| 120 x 120 x 13  | 23,30                  | ▪                                      | ▪                                       | ▪  |
| 130 x 130 x 12  | 23,50                  | ▪                                      | ▪                                       | ▪  |
| 140 x 140 x 13  | 27,40                  | ▪                                      | ▪                                       |  |
| 150 x 150 x 13  | 29,30                  | ▪                                      | ▪                                       | ▪  |
| 150 x 150 x 15  | 33,50                  | ▪                                      | ▪                                       | ▪  |
| 160 x 160 x 15  | 33,90                  | ▪                                      | ▪                                       | ▪  |
| 180 x 180 x 20  | 54,40                  | ▪                                      | ▪                                       |  |

\* Uitvoeringen zie pagina 87

| afkorting | mm<br>a x b x t | Theor.<br>Gew.<br>kg/m | W.-Nr.<br>1.4301<br>AISI<br>304<br>(*) | W.-Nr.<br>1.4307<br>AISI<br>304L<br>(*) | W.-Nr.<br>1.4571<br>AISI<br>316Ti<br>(*) |
|-----------|-----------------|------------------------|--|---|--|
| 20        | 20 x 10 x 3     | 0,65                   | ▪                                      | ▪                                       |  |
| 25        | 25 x 15 x 3     | 0,89                   | ▪                                      | ▪                                       |  |
| 30        | 30 x 15 x 3     | 1,01                   | ▪                                      | ▪                                       |  |
|           | 30 x 20 x 3     | 1,12                   | ▪                                      | ▪                                       | ▪  |
|           | 30 x 20 x 4     | 1,50                   | ▪                                      | ▪                                       | ▪  |
| 40        | 40 x 20 x 3     | 1,36                   | ▪                                      | ▪                                       | ▪  |
|           | 40 x 20 x 4     | 1,80                   | ▪                                      | ▪                                       | ▪  |
|           | 40 x 20 x 5     | 2,20                   | ▪                                      | ▪                                       |  |
|           | 40 x 30 x 5     | 2,60                   | ▪                                      | ▪                                       | ▪  |
| 45        | 45 x 30 x 4     | 2,27                   | ▪                                      | ▪                                       |  |
|           | 45 x 30 x 5     | 2,80                   | ▪                                      | ▪                                       |  |
| 50        | 50 x 25 x 4     | 2,22                   | ▪                                      | ▪                                       |  |
|           | 50 x 30 x 4     | 2,40                   | ▪                                      | ▪                                       |  |
|           | 50 x 30 x 5     | 3,00                   | ▪                                      | ▪                                       | ▪  |
|           | 50 x 40 x 5     | 3,50                   | ▪                                      | ▪                                       | ▪  |
| 60        | 60 x 30 x 5     | 3,40                   | ▪                                      | ▪                                       | ▪  |
|           | 60 x 30 x 6     | 4,03                   | ▪                                      | ▪                                       |  |
|           | 60 x 30 x 7     | 4,50                   | ▪                                      | ▪                                       |  |
|           | 60 x 40 x 5     | 3,70                   | ▪                                      | ▪                                       | ▪  |
|           | 60 x 40 x 6     | 4,40                   | ▪                                      | ▪                                       | ▪  |
| 65        | 65 x 50 x 5     | 4,35                   | ▪                                      | ▪                                       | ▪  |
|           | 65 x 50 x 7     | 5,90                   | ▪                                      | ▪                                       |  |
|           | 65 x 50 x 9     | 7,50                   | ▪                                      | ▪                                       | ▪  |
| 70        | 70 x 50 x 6     | 5,30                   | ▪                                      | ▪                                       | ▪  |
| 75        | 75 x 50 x 6     | 5,70                   | ▪                                      | ▪                                       | ▪  |
|           | 75 x 50 x 7     | 6,50                   | ▪                                      | ▪                                       | ▪  |
| 80        | 80 x 40 x 6     | 5,40                   | ▪                                      | ▪                                       | ▪  |
|           | 80 x 40 x 8     | 7,10                   | ▪                                      | ▪                                       | ▪  |
|           | 80 x 65 x 6     | 6,60                   | ▪                                      | ▪                                       | ▪  |
|           | 80 x 65 x 8     | 8,70                   | ▪                                      | ▪                                       | ▪  |
|           | 80 x 65 x 10    | 10,70                  |  |   | ▪  |
| 90        | 90 x 60 x 6     | 6,90                   | ▪                                      | ▪                                       |  |
|           | 90 x 60 x 8     | 9,00                   | ▪                                      | ▪                                       | ▪  |
| 100       | 100 x 50 x 6    | 6,80                   | ▪                                      | ▪                                       | ▪  |
|           | 100 x 50 x 8    | 9,00                   | ▪                                      | ▪                                       | ▪  |
|           | 100 x 50 x 10   | 11,10                  | ▪                                      | ▪                                       | ▪  |
|           | 100 x 65 x 7    | 8,80                   | ▪                                      | ▪                                       | ▪  |
|           | 100 x 65 x 9    | 11,20                  | ▪                                      | ▪                                       | ▪  |
|           | 100 x 65 x 11   | 13,30                  | ▪                                      | ▪                                       |  |
|           | 100 x 75 x 6    | 8,10                   |  |   | ▪  |

\* Uitvoeringen zie pagina 87

| afkorting | mm<br>a x b x t | Theor.<br>Gew.<br>kg/m | W.-Nr.<br>1.4301<br><br>AISI<br>304<br>(*) | W.-Nr.<br>1.4307<br><br>AISI<br>304L<br>(*) | W.-Nr.<br>1.4571<br><br>AISI<br>316Ti<br>(*) |
|-----------|-----------------|------------------------|--|---|--|
|           | 100 x 75 x 9    | 11,80                  |  |   | ▪  |
| 120       | 120 x 80 x 8    | 12,29                  | ▪  | ▪   | ▪  |
|           | 120 x 80 x 10   | 15,20                  | ▪  | ▪   | ▪  |
|           | 120 x 80 x 12   | 18,05                  | ▪  | ▪   | ▪  |
| 130       | 130 x 65 x 8    | 11,97                  | ▪  | ▪   | ▪  |
|           | 130 x 65 x 10   | 14,80                  | ▪  | ▪   | ▪  |
|           | 130 x 90 x 12   | 19,97                  | ▪  | ▪   | ▪  |
| 150       | 150 x 75 x 8    | 13,89                  | ▪  | ▪   |  |
|           | 150 x 75 x 10   | 17,20                  | ▪  | ▪   | ▪  |
|           | 150 x 100 x 10  | 19,00                  | ▪  | ▪   | ▪  |
|           | 150 x 100 x 12  | 22,50                  | ▪  | ▪   | ▪  |
| 160       | 160 x 80 x 10   | 18,10                  | ▪  | ▪   |  |
| 200       | 200 x 100 x 12  | 27,40                  | ▪  | ▪   |  |
|           | 200 x 100 x 13  | 29,50                  |  |   | ▪  |

\* Uitvoeringen zie pagina 87



| mm<br>a x a x t | Theor.<br>Gew.<br>kg/m | W.-Nr.<br>1.4301<br>AISI<br>304<br>(*) | W.-Nr.<br>1.4307<br>AISI<br>304L<br>(*) |
|-----------------|------------------------|--|---|
| 10 x 10 x 2,0   | 0,28                   | ▪                                      | ▪                                       |
| 15 x 15 x 2,0   | 0,45                   | ▪                                      | ▪                                       |
| 15 x 15 x 3,0   | 0,65                   | ▪                                      | ▪                                       |
| 20 x 20 x 2,0   | 0,61                   | ▪                                      | ▪                                       |
| 20 x 20 x 3,0   | 0,89                   | ▪                                      | ▪                                       |
| 25 x 25 x 2,5   | 0,93                   | ▪                                      | ▪                                       |
| 25 x 25 x 3,0   | 1,13                   | ▪                                      | ▪                                       |
| 25 x 25 x 4,0   | 1,47                   | ▪                                      | ▪                                       |
| 30 x 30 x 3,0   | 1,37                   | ▪                                      | ▪                                       |
| 30 x 30 x 4,0   | 1,79                   | ▪                                      | ▪                                       |
| 30 x 30 x 5,0   | 2,20                   | ▪                                      | ▪                                       |
| 35 x 35 x 4,0   | 2,11                   | ▪                                      | ▪                                       |
| 40 x 20 x 4,0   | 1,80                   | ▪                                      | ▪                                       |
| 40 x 40 x 3,0   | 1,85                   | ▪                                      | ▪                                       |
| 40 x 40 x 4,0   | 2,43                   | ▪                                      | ▪                                       |
| 40 x 40 x 5,0   | 3,00                   | ▪                                      | ▪                                       |
| 50 x 50 x 5,0   | 3,80                   | ▪                                      | ▪                                       |
| 60 x 60 x 6,0   | 5,47                   | ▪                                      | ▪                                       |

\* Uitvoeringen zie pagina 87







# SPECIAALPROFIELEN

U-profielen | T-profielen |  
I-balken

| 96 - 99

# Assortiment met diepgang

Dankzij de vele vormen en eigenschappen worden speciaalprofielen in veel staalconstructies toegepast. De breedte van ons assortiment zorgt er voor dat we bijna altijd de juiste oplossing voor u in huis hebben. Onze experts adviseren u graag.

## Speciaalprofielen

Op handelslengten van 4 tot 6 m (U-profiel 4-7 m), warmvervaardigd <sup>1)</sup>

\* plossend gegloeid resp. afgeschrikt en gebeitst

## Keuringscertificaten

DIN EN 10204 3.1 of fabriekscertificaat 2.1/2.2

<sup>1)</sup> De keuze van het productieproces is aan ons voorbehouden

\* Inhoud zie pagina 96 tot 99

| afkorting | mm<br>h x b x s x t   | Theor.<br>Gew.<br>kg/m | W.-Nr.<br>1.4301<br>AISI<br>304<br>(*) | W.-Nr.<br>1.4307<br>AISI<br>304L<br>(*) | W.-Nr.<br>1.4571<br>AISI<br>316Ti<br>(*) |
|-----------|-----------------------|------------------------|--|---|--|
| 20        | 20 x 10 x 3 x 3,5     | 0,86                   | ▪                                      | ▪                                       |  |
| 30        | 30 x 15 x 4 x 4,5     | 1,74                   | ▪                                      | ▪                                       |  |
|           | 30 x 33 x 5 x 7,0     | 4,27                   | ▪                                      | ▪                                       |  |
| 40        | 40 x 20 x 3 x 3,5     | 1,78                   | ▪                                      | ▪                                       |  |
|           | 40 x 20 x 4 x 4,5     | 2,30                   | ▪                                      | ▪                                       | ▪  |
|           | 40 x 35 x 5 x 7,0     | 4,87                   | ▪                                      | ▪                                       | ▪  |
| 50        | 50 x 25 x 3 x 3,0     | 2,31                   | ▪                                      | ▪                                       |  |
|           | 50 x 25 x 5 x 5,0     | 3,71                   | ▪                                      | ▪                                       |  |
|           | 50 x 25 x 5 x 6,0     | 3,86                   | ▪                                      | ▪                                       | ▪  |
|           | 50 x 38 x 5 x 7,0     | 5,70                   | ▪                                      | ▪                                       | ▪  |
| 60        | 60 x 30 x 6 x 6,0     | 5,12                   | ▪                                      | ▪                                       | ▪  |
| 65        | 65 x 42 x 5,5 x 7,5   | 7,40                   | ▪                                      | ▪                                       | ▪  |
| 80        | 80 x 40 x 5 x 5,0     | 5,90                   | ▪                                      | ▪                                       | ▪  |
|           | 80 x 40 x 6 x 6,0     | 7,05                   | ▪                                      | ▪                                       | ▪  |
|           | 80 x 45 x 6 x 8,0     | 8,80                   | ▪                                      | ▪                                       | ▪  |
| 100       | 100 x 50 x 4 x 4,0    | 6,10                   | ▪                                      | ▪                                       |  |
|           | 100 x 50 x 5 x 5,0    | 7,65                   | ▪                                      | ▪                                       | ▪  |
|           | 100 x 50 x 5 x 7,0    | 9,09                   | ▪                                      | ▪                                       |  |
|           | 100 x 50 x 6 x 6,0    | 8,90                   | ▪                                      | ▪                                       | ▪  |
|           | 100 x 50 x 6 x 8,5    | 10,60                  | ▪                                      | ▪                                       | ▪  |
| 120       | 120 x 55 x 7 x 9,0    | 13,50                  | ▪                                      | ▪                                       | ▪  |
|           | 120 x 60 x 6 x 6,0    | 10,90                  | ▪                                      | ▪                                       | ▪  |
| 140       | 140 x 60 x 7 x 10,0   | 16,20                  | ▪                                      | ▪                                       | ▪  |
|           | 140 x 70 x 7 x 7,0    | 15,10                  | ▪                                      | ▪                                       | ▪  |
| 150       | 150 x 75 x 9 x 9,0    | 20,50                  | ▪                                      | ▪                                       | ▪  |
| 160       | 160 x 65 x 7,5 x 10,5 | 19,10                  | ▪                                      | ▪                                       | ▪  |
|           | 160 x 80 x 8 x 8,0    | 19,46                  | ▪                                      | ▪                                       | ▪  |
| 180       | 180 x 70 x 8 x 11,0   | 22,40                  | ▪                                      | ▪                                       | ▪  |
|           | 180 x 90 x 8 x 8,0    | 22,02                  | ▪                                      | ▪                                       |  |
| 200       | 200 x 75 x 8,5 x 11,5 | 25,51                  | ▪                                      | ▪                                       | ▪  |
|           | 200 x 100 x 8 x 8,0   | 24,90                  | ▪                                      | ▪                                       |  |
|           | 200 x 100 x 10 x 10,0 | 30,70                  | ▪                                      | ▪                                       | ▪  |

\* Uitvoeringen zie pagina 95



## Gelijkzijdige T-profielen (T) | roestvast

| afkorting<br>T | mm<br>h x b x s = t | Theor.<br>Gew.<br>kg/m | W.-Nr.<br>1.4301<br>AISI<br>304<br>(*) | W.-Nr.<br>1.4307<br>AISI<br>304L<br>(*) | W.-Nr.<br>1.4571<br>AISI<br>316Ti<br>(*) |
|----------------|---------------------|------------------------|--|---|--|
| 20             | 20 x 20 x 3         | 0,90                   | ▪                                      | ▪                                       |  |
|                | 20 x 20 x 4         | 1,20                   | ▪                                      | ▪                                       |  |
| 25             | 25 x 25 x 3         | 1,13                   | ▪                                      | ▪                                       |  |
|                | 25 x 25 x 4         | 1,50                   | ▪                                      | ▪                                       |  |
| 30             | 30 x 30 x 3         | 1,40                   | ▪                                      | ▪                                       |  |
|                | 30 x 30 x 4         | 1,80                   | ▪                                      | ▪                                       | ▪  |
| 35             | 35 x 35 x 4         | 2,11                   | ▪                                      | ▪                                       |  |
| 40             | 40 x 40 x 4         | 2,40                   | ▪                                      | ▪                                       | ▪  |
|                | 40 x 40 x 5         | 3,00                   | ▪                                      | ▪                                       | ▪  |
| 45             | 45 x 45 x 5         | 3,34                   | ▪                                      | ▪                                       | ▪  |
| 50             | 50 x 50 x 3         | 2,30                   | ▪                                      | ▪                                       |  |
|                | 50 x 50 x 5         | 3,80                   | ▪                                      | ▪                                       | ▪  |
|                | 50 x 50 x 6         | 4,51                   | ▪                                      | ▪                                       | ▪  |
| 60             | 60 x 60 x 6         | 5,47                   | ▪                                      | ▪                                       | ▪  |
| 70             | 70 x 70 x 7         | 7,50                   | ▪                                      | ▪                                       | ▪  |
| 80             | 80 x 80 x 6         | 7,35                   | ▪                                      | ▪                                       |  |
|                | 80 x 80 x 8         | 9,70                   | ▪                                      | ▪                                       | ▪  |
| 90             | 90 x 90 x 9         | 12,20                  | ▪                                      | ▪                                       |  |
| 100            | 100 x 100 x 10      | 15,10                  | ▪                                      | ▪                                       | ▪  |
| 120            | 120 x 120 x 10      | 18,40                  | ▪                                      | ▪                                       |  |
|                | 120 x 120 x 13      | 25,10                  | ▪                                      | ▪                                       | ▪  |

12

## Ongelijkzijdige T-profielen (TB) | roestvast

| afkorting<br>TB | mm<br>h x b x s = t | Theor.<br>Gew.<br>kg/m | W.-Nr.<br>1.4301<br>AISI<br>304<br>(*) | W.-Nr.<br>1.4307<br>AISI<br>304L<br>(*) |
|-----------------|---------------------|------------------------|--|---|
| 30              | 30 x 60 x 5,5       | 3,64                   | ▪                                      | ▪                                       |
| 35              | 35 x 70 x 6,0       | 4,66                   | ▪                                      | ▪                                       |
| 40              | 40 x 60 x 4,0       | 3,20                   | ▪                                      | ▪                                       |
|                 | 40 x 80 x 7,0       | 6,20                   | ▪                                      | ▪                                       |
| 50              | 50 x 100 x 8,5      | 9,00                   | ▪                                      | ▪                                       |
| 60              | 60 x 120 x 10,0     | 12,80                  | ▪                                      | ▪                                       |

\* Uitvoeringen zie pagina 95

| afkorting IPE | mm<br>h x b x s x t     | Theor. Gew.<br>kg/m | W.-Nr. 1.4301<br>AISI 304 *) | W.-Nr. 1.4307<br>AISI 304L *) | W.-Nr. 1.4571<br>AISI 316Ti *) |
|---------------|-------------------------|---------------------|------------------------------|-------------------------------|--------------------------------|
| 80            | 80 x 46 x 3,8 x 5,2     | 6,00                | ▪                            | ▪                             | ▪                              |
| 100           | 100 x 55 x 4,0 x 6,0    | 7,90                |                              |                               | ▪                              |
|               | 100 x 55 x 4,1 x 5,7    | 8,10                | ▪                            | ▪                             | ▪                              |
| 120           | 120 x 64 x 4,4 x 6,3    | 10,40               | ▪                            | ▪                             | ▪                              |
| 140           | 140 x 73 x 4,7 x 6,9    | 12,90               | ▪                            | ▪                             | ▪                              |
| 160           | 160 x 82 x 5,0 x 7,0    | 15,50               | ▪                            | ▪                             |                                |
|               | 160 x 82 x 5,0 x 7,4    | 15,80               |                              |                               | ▪                              |
|               | 160 x 82 x 10,0 x 12,0  | 26,56               | ▪                            | ▪                             |                                |
| 180           | 180 x 91 x 5,3 x 8,0    | 18,60               | ▪                            | ▪                             |                                |
| 200           | 200 x 100 x 5,6 x 8,5   | 21,80               | ▪                            | ▪                             |                                |
| 240           | 240 x 120 x 10,0 x 12,0 | 39,80               | ▪                            | ▪                             |                                |

\* Uitvoeringen zie pagina 95



## Brede I-balken | Speciale balken | roestvast

| afkorting<br>IPB | mm<br>h x b x s x t  | Theor.<br>Gew.<br>kg/m | W.-Nr.<br>1.4301<br>AISI<br>304<br>(*) | W.-Nr.<br>1.4307<br>AISI<br>304L<br>(*) | W.-Nr.<br>1.4571<br>AISI<br>316Ti<br>(*) |
|------------------|----------------------|------------------------|--|---|--|
| 100              | 100 x 100 x 6 x 8,0  | 17,10                  | ▪                                      | ▪                                       | ▪  |
| 150              | 150 x 150 x 8 x 10,0 | 32,90                  | ▪                                      | ▪                                       | ▪  |
| 200              | 200 x 200 x 8 x 12,0 | 49,00                  | ▪                                      | ▪                                       | ▪  |

## Brede I-balken | Speciale balken | HEA-breedflensbalken | roestvast

| afkorting<br>IPB | mm<br>h x b x s x t   | Theor.<br>Gew.<br>kg/m | W.-Nr.<br>1.4301<br>AISI<br>304<br>(*) | W.-Nr.<br>1.4307<br>AISI<br>304L<br>(*) | W.-Nr.<br>1.4571<br>AISI<br>316Ti<br>(*) |
|------------------|-----------------------|------------------------|--|---|--|
| 100              | 96 x 100 x 5,0 x 8,0  | 16,70                  | ▪                                      | ▪                                       | ▪  |
| 120              | 114 x 120 x 5,0 x 8,0 | 19,90                  | ▪                                      | ▪                                       | ▪  |
| 160              | 152 x 160 x 6,0 x 9,0 | 30,40                  | ▪                                      | ▪                                       | ▪  |

12

## Brede I-balken | Speciale balken | HEB-breedflensbalken | roestvast

| afkorting<br>IPB | mm<br>h x b x s x t  | Theor.<br>Gew.<br>kg/m | W.-Nr.<br>1.4301<br>AISI<br>304<br>(*) | W.-Nr.<br>1.4307<br>AISI<br>304L<br>(*) | W.-Nr.<br>1.4571<br>AISI<br>316Ti<br>(*) |
|------------------|----------------------|------------------------|--|---|--|
| 100              | 100 x 100 x 6,0 x 10 | 20,40                  | ▪                                      | ▪                                       | ▪  |
| 120              | 120 x 120 x 6,5 x 11 | 26,70                  | ▪                                      | ▪                                       | ▪  |
| 140              | 140 x 140 x 7,0 x 12 | 33,70                  | ▪                                      | ▪                                       | ▪  |
| 160              | 160 x 160 x 8,0 x 13 | 42,60                  | ▪                                      | ▪                                       | ▪  |
| 180              | 180 x 180 x 8,0 x 14 | 50,65                  | ▪                                      | ▪                                       | ▪  |
|                  | 180 x 180 x 8,5 x 14 | 51,20                  |  |   | ▪  |

\* Uitvoeringen zie pagina 95

# PLATEN

102 - 103

# Op maat gemaakt

Voor iedere toepassing de juiste plaat. Ons programma hittebestendige en hoog corrosiebestendige platen bieden wij u aan in allerlei afmetingen, diktes en kwaliteiten, in standaardafmetingen of op maat/ tekening gesneden.

## Platen

koudgewalst (2C of 2D of 2B of 2R)

warmgewalst (1C of 1D)

koudgewalste afmetingen kunnen ook geslepen (meerdere korrelgroottes), geborsteld en voorzien van folie (1 of 2 kanten) geleverd worden. (warmgewalste afmetingen op aanvraag)

\* oplossend gegloeid

## Maatnormen

koudgewalst: DIN EN 10259

warmgewalst: DIN 10051 resp. DIN EN 10029

## Keuringscertificaten

DIN EN 10204 3.1, deels 3.2 TÜV gekeurd

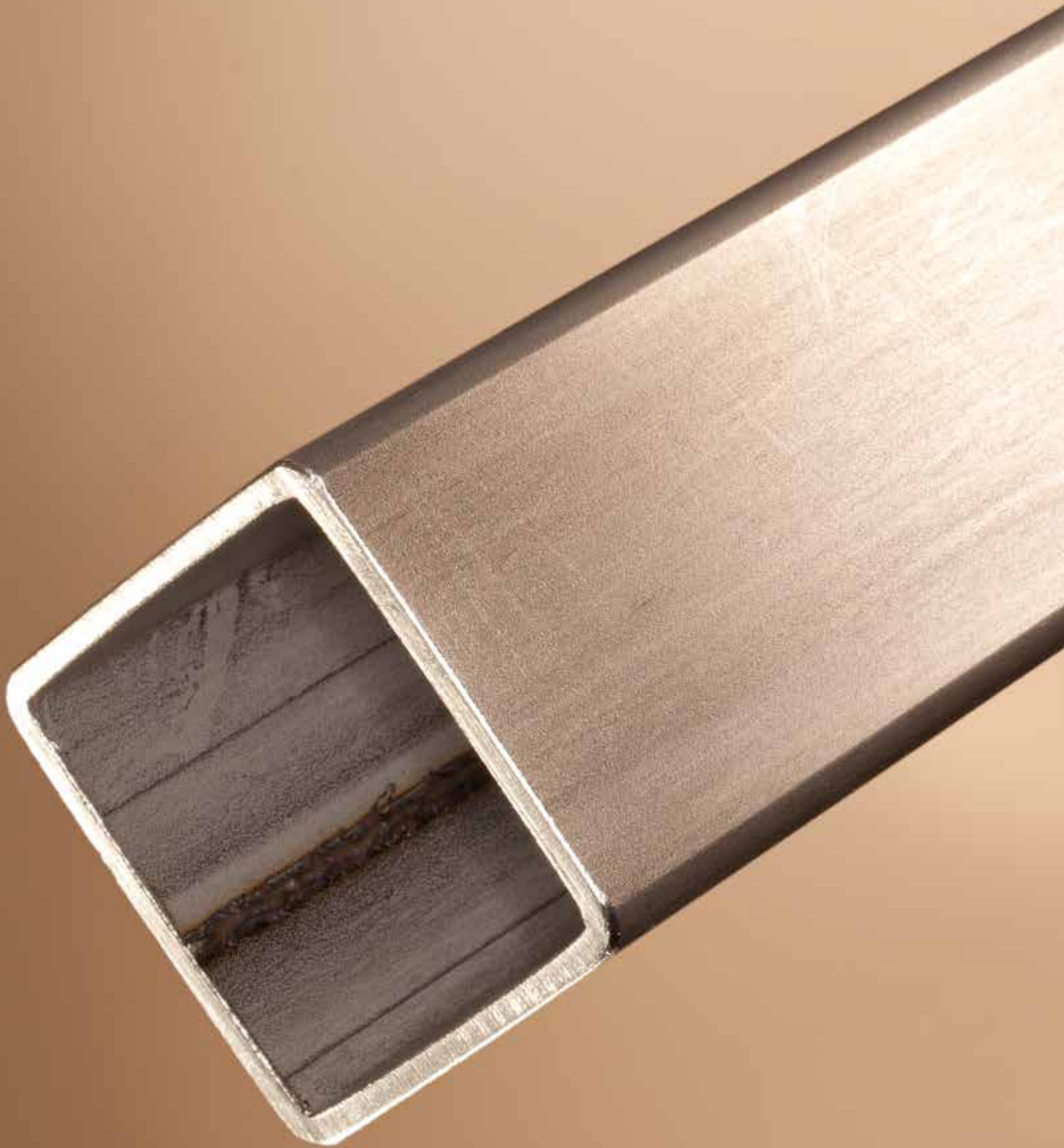
\* Inhoud zie pagina 102 tot 103

| Diverse afmetingen |                   |               |               |
|--------------------|-------------------|---------------|---------------|
| Dikte              | Theor. Gew.       | W.-Nr. 1.4462 | W.-Nr. 1.4539 |
| mm                 | kg/m <sup>2</sup> | UNS S31803 *) | AISI 904L *)  |
| 1,00               | 8,00              |               | ▪             |
| 1,50               | 12,00             |               | ▪             |
| 2,00               | 16,00             | ▪             | ▪             |
| 3,00               | 24,00             | ▪             | ▪             |
| 4,00               | 32,00             | ▪             | ▪             |
| 5,00               | 40,00             | ▪             | ▪             |
| 6,00               | 48,00             | ▪             | ▪             |
| 8,00               | 64,00             | ▪             | ▪             |
| 10,00              | 80,00             | ▪             | ▪             |
| 12,00              | 96,00             | ▪             | ▪             |
| 15,00              | 120,00            | ▪             | ▪             |
| 20,00              | 160,00            | ▪             | ▪             |
| 25,00              | 200,00            |               | ▪             |
| 30,00              | 240,00            | ▪             | ▪             |
| 35,00              | 280,00            | ▪             |               |
| 40,00              | 320,00            | ▪             | ▪             |
| 50,00              | 400,00            | ▪             | ▪             |
| 60,00              | 480,00            | ▪             | ▪             |

\* Uitvoeringen zie pagina 101

| Diverse afmetingen |                   |               |               |               |
|--------------------|-------------------|---------------|---------------|---------------|
| Dikte              | Theor. Gew.       | W.-Nr. 1.4828 | W.-Nr. 1.4841 | W.-Nr. 1.4845 |
| mm                 | kg/m <sup>2</sup> | AISI 309 *)   | AISI 314 *)   | AISI 310S *)  |
| 1,50               | 12,00             | ▪             |               | ▪             |
| 2,00               | 16,00             | ▪             | ▪             | ▪             |
| 3,00               | 24,00             | ▪             | ▪             | ▪             |
| 4,00               | 32,00             | ▪             | ▪             | ▪             |
| 5,00               | 40,00             | ▪             | ▪             | ▪             |
| 6,00               | 48,00             | ▪             | ▪             | ▪             |
| 8,00               | 64,00             | ▪             | ▪             | ▪             |
| 10,00              | 80,00             | ▪             | ▪             | ▪             |
| 12,00              | 96,00             |               | ▪             | ▪             |
| 15,00              | 120,00            | ▪             | ▪             | ▪             |
| 20,00              | 160,00            | ▪             |               | ▪             |
| 25,00              | 200,00            | ▪             | ▪             | ▪             |
| 30,00              | 240,00            | ▪             | ▪             | ▪             |
| 40,00              | 320,00            |               | ▪             |               |
| 50,00              | 400,00            |               | ▪             |               |

\* Uitvoeringen zie pagina 101



CONSTRUCTIE  
DECORATIEBUIZEN  
rond | vierkant

106 - 113



# Van constructief tot creatief

Gelaste constructie- en decoratiebuizen - vierkant of rond, uit plaat of band - bieden u oneindig veel mogelijkheden om uw constructies vorm te geven. Evenzo constructief en creatief gaan wij met het samenstellen van ons assortiment en adviezen om. Laat u overtuigen door onze toegevoegde waarde van het zagen op maat en eventueel in verstek.

## **Constructiebuizen | decoratiebuizen**

op handelslengten van ca. 6 m

Uit band of plaat geproduceerde buizen, rond of vierkant, ongegloeid, metaalblank resp. gebeitst of uitwendig geslepen resp. warmtebehandeld en uitwendig geslepen.

\* oplossend gegloeid, gebeitst of metaalblank

## **Technische leveringscondities**

DIN EN 10088-1 resp. 10088-2

## **Toleranties**

specifieke eisen volgens afspraak

## **Keuringscertificaten**

EN 10204 3.1 of 2.2 of zoals anders overeengekomen

\* Inhoud zie pagina 106 tot 113

| Uitwendige Ø | Wanddikte | Theor. Gew. | W.-Nr. 1.4301<br>ASI 304 *) | W.-Nr. 1.4301<br>ASI 304 *)<br>geslepen korrel 240 resp. 320 | W.-Nr. 1.4404<br>ASI 316L *)<br>geslepen korrel 240 resp. 320 | W.-Nr. 1.4571<br>ASI 316Ti *)<br>geslepen korrel 240 resp. 320 |
|--------------|-----------|-------------|-----------------------------|--|---|--|
| mm           | mm        | kg/m        |                             |  |   |  |
| 10,00        | 1,50      | 0,32        | ▪                           | ▪  |   |  |
| 12,00        | 1,00      | 0,28        | ▪                           |  |   |  |
| 12,00        | 1,50      | 0,39        | ▪                           | ▪  |   |  |
| 12,00        | 2,00      | 0,50        | ▪                           | ▪  |   |  |
| 14,00        | 1,00      | 0,33        | ▪                           |  |   |  |
| 14,00        | 1,50      | 0,47        | ▪                           | ▪  |   |  |
| 14,00        | 2,00      | 0,60        | ▪                           |  |   |  |
| 15,00        | 1,00      | 0,35        | ▪                           |  |   |  |
| 15,00        | 1,50      | 0,51        | ▪                           | ▪  |   |  |
| 15,00        | 2,00      | 0,65        | ▪                           | ▪  |   |  |
| 16,00        | 1,00      | 0,38        | ▪                           |  |   |  |
| 16,00        | 1,50      | 0,54        | ▪                           | ▪  |   |  |
| 16,00        | 2,00      | 0,70        | ▪                           | ▪  |   |  |
| 17,20        | 2,00      | 0,76        | ▪                           | ▪  |   |  |
| 18,00        | 1,00      | 0,43        | ▪                           | ▪  |   |  |
| 18,00        | 1,50      | 0,62        | ▪                           |  |   |  |
| 18,00        | 2,00      | 0,80        | ▪                           |  |   |  |
| 20,00        | 1,00      | 0,48        | ▪                           | ▪  |   |  |
| 20,00        | 1,50      | 0,69        | ▪                           | ▪  |   |  |
| 20,00        | 2,00      | 0,90        | ▪                           | ▪  |   |  |
| 20,00        | 2,50      | 1,10        | ▪                           |  |   |  |
| 21,30        | 1,50      | 0,74        | ▪                           |  |   |  |
| 21,30        | 2,00      | 0,97        | ▪                           | ▪  |   |  |
| 21,30        | 2,50      | 1,18        | ▪                           | ▪  |   |  |
| 21,30        | 3,00      | 1,37        | ▪                           |  |   |  |
| 22,00        | 1,00      | 0,53        | ▪                           |  |   |  |
| 22,00        | 1,50      | 0,69        | ▪                           |  |   |  |
| 22,00        | 2,00      | 1,00        | ▪                           |  |   |  |
| 23,00        | 1,50      | 0,81        | ▪                           |  |   |  |
| 25,00        | 1,00      | 0,60        | ▪                           |  |   |  |
| 25,00        | 1,20      | 0,72        | ▪                           |  |   |  |
| 25,00        | 1,50      | 0,88        | ▪                           | ▪  |   |  |
| 25,00        | 2,00      | 1,15        | ▪                           | ▪  | ▪   |  |
| 25,00        | 2,50      | 1,41        | ▪                           |  |   |  |
| 25,00        | 3,00      | 1,65        | ▪                           |  |   |  |
| 26,90        | 1,50      | 0,95        | ▪                           |  |   |  |
| 26,90        | 2,00      | 1,25        | ▪                           | ▪  |   |  |

1) warmtebehandeld

\* Uitvoeringen zie pagina 105

Wij beschikken over een eigen slijp en zaagcentrum.

| Uitwendige Ø | Wanddikte | Theor. Gew. | W.-Nr. 1.4301<br>ASI 304 *) | W.-Nr. 1.4301<br>AISI 304 *)<br>geslepen korrel 240 resp. 320 | W.-Nr. 1.4404<br>AISI 316L *)<br>geslepen korrel 240 resp. 320 | W.-Nr. 1.4571<br>AISI 316Ti *)<br>geslepen korrel 240 resp. 320 |
|--------------|-----------|-------------|-----------------------------|---|--|---|
| mm           | mm        | kg/m        |                             |   |  |   |
| 26,90        | 2,50      | 1,53        | ▪                           | ▪   |  |   |
| 26,90        | 2,60      | 1,58        |                             | ▪ <sup>1)</sup>   |  |   |
| 26,90        | 3,00      | 1,80        | ▪                           |   |  |   |
| 28,00        | 1,00      | 0,68        | ▪                           |   |  |   |
| 28,00        | 1,50      | 1,00        | ▪                           | ▪   |  |   |
| 28,00        | 2,00      | 1,30        | ▪                           | ▪ <sup>1)</sup>   |  |   |
| 28,00        | 2,50      | 1,60        |                             | ▪ <sup>1)</sup>   |  |   |
| 30,00        | 1,00      | 0,73        | ▪                           |   |  |   |
| 30,00        | 1,50      | 1,07        | ▪                           | ▪   |  |   |
| 30,00        | 2,00      | 1,40        | ▪                           | ▪   |  |   |
| 30,00        | 2,50      | 1,72        | ▪                           | ▪   |  |   |
| 30,00        | 3,00      | 2,03        | ▪                           | ▪ <sup>1)</sup>   |  |   |
| 32,00        | 1,50      | 1,15        | ▪                           |   |  |   |
| 32,00        | 2,00      | 1,50        | ▪                           |   |  |   |
| 33,70        | 1,50      | 1,21        | ▪                           |   |  |   |
| 33,70        | 2,00      | 1,59        | ▪                           | ▪ <sup>1)</sup>   | ▪  | ▪ <sup>1)</sup>   |
| 33,70        | 2,50      | 1,95        | ▪                           | ▪   |  |   |
| 33,70        | 2,60      | 2,02        |                             | ▪ <sup>1)</sup>   |  | ▪ <sup>1)</sup>   |
| 33,70        | 3,00      | 2,31        | ▪                           | ▪   |  |   |
| 35,00        | 1,50      | 1,26        | ▪                           |   |  |   |
| 35,00        | 2,00      | 1,65        | ▪                           | ▪   |  |   |
| 35,00        | 2,50      | 2,03        | ▪                           | ▪ <sup>1)</sup>   |  |   |
| 35,00        | 3,00      | 2,40        | ▪                           | ▪ <sup>1)</sup>   |  |   |
| 38,00        | 1,00      | 0,93        | ▪                           | ▪ <sup>1)</sup>   |  |   |
| 38,00        | 1,50      | 1,37        | ▪                           |   |  |   |
| 38,00        | 2,00      | 1,80        | ▪                           | ▪ <sup>1)</sup>   |  |   |
| 38,00        | 2,50      | 2,22        | ▪                           |   |  |   |
| 38,00        | 3,00      | 2,63        | ▪                           |   |  |   |
| 40,00        | 1,00      | 0,98        | ▪                           |   |  |   |
| 40,00        | 1,50      | 1,45        | ▪                           | ▪   |  |   |
| 40,00        | 2,00      | 1,90        | ▪                           | ▪   |  |   |
| 40,00        | 2,50      | 2,35        | ▪                           |   |  |   |
| 40,00        | 3,00      | 2,78        | ▪                           | ▪   |  |   |
| 40,00        | 4,00      | 3,61        | ▪                           |   |  |   |
| 42,40        | 1,50      | 1,54        | ▪                           | ▪   |  |   |
| 42,40        | 2,00      | 2,02        | ▪                           | ▪ <sup>1)</sup>   | ▪  | ▪ <sup>1)</sup>   |
| 42,40        | 2,50      | 2,50        | ▪                           | ▪   |  |   |

1) warmtebehandeld

\* Uitvoeringen zie pagina 105

Wij beschikken over een eigen slijp en zaagcentrum.

| Uitwendige Ø | Wanddikte | Theor. Gew. | W.-Nr. 1.4301<br>ASI 304 *) | W.-Nr. 1.4301<br>AISI 304 *)<br>geslepen korrel 240 resp. 320 | W.-Nr. 1.4404<br>AISI 316L *)<br>geslepen korrel 240 resp. 320 | W.-Nr. 1.4571<br>AISI 316Ti *)<br>geslepen korrel 240 resp. 320 |
|--------------|-----------|-------------|-----------------------------|---|--|---|
| mm           | mm        | kg/m        |                             |   |  |   |
| 42,40        | 2,60      | 2,59        |                             | ▪)  |  | ▪)  |
| 42,40        | 3,00      | 2,96        | ▪                           | ▪   |  |   |
| 42,40        | 4,00      | 3,85        | ▪                           |   |  |   |
| 45,00        | 1,50      | 1,63        | ▪                           |   |  |   |
| 45,00        | 2,00      | 2,15        | ▪                           |   |  |   |
| 45,00        | 3,00      | 3,16        | ▪                           |   |  |   |
| 48,30        | 1,50      | 1,76        | ▪                           |   |  |   |
| 48,30        | 2,00      | 2,32        | ▪                           | ▪)  | ▪  | ▪   |
| 48,30        | 2,50      | 2,87        | ▪                           | ▪   |  |   |
| 48,30        | 2,60      | 2,98        |                             | ▪)  |  |   |
| 48,30        | 3,00      | 3,40        | ▪                           | ▪   |  |   |
| 48,30        | 4,00      | 4,44        | ▪                           |   |  |   |
| 50,00        | 1,00      | 1,23        | ▪                           |   |  |   |
| 50,00        | 1,50      | 1,82        | ▪                           |   |  |   |
| 50,00        | 2,00      | 2,40        | ▪                           | ▪   |  |   |
| 50,00        | 3,00      | 3,53        | ▪                           |   |  |   |
| 50,00        | 4,00      | 4,61        | ▪                           |   |  |   |
| 50,80        | 2,00      | 2,44        | ▪                           |   |  |   |
| 54,00        | 2,00      | 2,60        | ▪                           |   |  |   |
| 60,30        | 1,50      | 2,21        | ▪                           | ▪   |  |   |
| 60,30        | 2,00      | 2,92        | ▪                           | ▪   |  |   |
| 60,30        | 2,50      | 3,62        | ▪                           | ▪   |  |   |
| 60,30        | 3,00      | 4,30        | ▪                           | ▪   |  |   |
| 60,30        | 4,00      | 5,64        | ▪                           |   |  |   |
| 70,00        | 1,50      | 2,57        | ▪                           |   |  |   |
| 70,00        | 2,00      | 3,42        | ▪                           |   |  |   |
| 70,00        | 3,00      | 5,03        | ▪                           |   |  |   |
| 70,00        | 4,00      | 6,61        | ▪                           |   |  |   |
| 76,10        | 1,50      | 2,80        | ▪                           |   |  |   |
| 76,10        | 2,00      | 3,71        | ▪                           | ▪   |  |   |
| 76,10        | 2,50      | 4,61        | ▪                           |   |  |   |
| 76,10        | 3,00      | 5,49        | ▪                           | ▪   |  |   |
| 76,10        | 4,00      | 7,22        | ▪                           |   |  |   |
| 80,00        | 1,50      | 2,95        |                             | ▪   |  |   |
| 80,00        | 2,00      | 3,91        | ▪                           |   |  |   |
| 80,00        | 3,00      | 5,78        | ▪                           |   |  |   |
| 80,00        | 4,00      | 7,61        | ▪                           |   |  |   |

1) warmtebehandeld

\* Uitvoeringen zie pagina 105

Wij beschikken over een eigen slijp en zaagcentrum.

| Uitwendige Ø | Wanddikte | Theor. Gew. | W.-Nr. 1.4301<br>ASI 304 *) | W.-Nr. 1.4301<br>AISI 304 *)<br>geslepen korrel 240 resp. 320 | W.-Nr. 1.4404<br>AISI 316L *)<br>geslepen korrel 240 resp. 320 | W.-Nr. 1.4571<br>AISI 316Ti *)<br>geslepen korrel 240 resp. 320 |
|--------------|-----------|-------------|-----------------------------|---|--|---|
| mm           | mm        | kg/m        |                             |   |  |   |
| 84,00        | 2,00      | 4,11        | ▪                           |   |  |   |
| 88,90        | 2,00      | 4,35        | ▪                           | ▪   |  |   |
| 88,90        | 2,50      | 5,41        | ▪                           |   |  |   |
| 88,90        | 3,00      | 6,45        | ▪                           | ▪   |  |   |
| 88,90        | 4,00      | 8,50        | ▪                           | ▪   |  |   |
| 101,60       | 1,50      | 3,76        | ▪                           |   |  |   |
| 101,60       | 2,00      | 4,99        | ▪                           | ▪   |  |   |
| 101,60       | 3,00      | 7,41        | ▪                           | ▪   |  |   |
| 101,60       | 4,00      | 9,78        | ▪                           |   |  |   |
| 104,00       | 2,00      | 5,11        | ▪                           |   |  |   |
| 114,30       | 2,00      | 5,62        | ▪                           |   |  |   |
| 114,30       | 3,00      | 8,36        | ▪                           | ▪   |  |   |
| 114,30       | 4,00      | 11,05       | ▪                           | ▪   |  |   |
| 168,30       | 2,00      | 8,33        | ▪                           |   |  |   |

1) warmtebehandeld

\* Uitvoeringen zie pagina 105

Wij beschikken over een eigen slijp en zaagcentrum.

| Uitwendige Ø | Wanddikte | Theor. Gew. | W.-Nr. 1.4301<br>ASI 304 *) | W.-Nr. 1.4404<br>AISI 316L *) | W.-Nr. 1.4571<br>AISI 316Ti *) | W.-Nr. 1.4301<br>ASI 304 *)<br>geslepen korrel 240 resp. 320 |
|--------------|-----------|-------------|-----------------------------|-------------------------------|--------------------------------|--|
| mm           | mm        | kg/m        |                             |                               |                                |  |
| 10 x 10      | 1,00      | 0,30        | ▪                           |                               |                                |  |
| 15 x 15      | 1,50      | 0,68        | ▪                           | ▪                             | ▪                              | ▪  |
| 20 x 10      | 1,50      | 0,68        | ▪                           |                               | ▪                              | ▪  |
| 20 x 15      | 1,50      | 0,80        | ▪                           |                               |                                |  |
| 20 x 20      | 1,00      | 0,63        | ▪                           |                               |                                |  |
| 20 x 20      | 1,20      | 0,75        | ▪                           |                               |                                | ▪  |
| 20 x 20      | 1,50      | 0,92        | ▪                           |                               | ▪                              | ▪  |
| 20 x 20      | 2,00      | 1,20        | ▪                           | ▪                             | ▪                              | ▪  |
| 25 x 15      | 1,50      | 0,92        | ▪                           |                               |                                |  |
| 25 x 25      | 1,20      | 0,94        | ▪                           |                               |                                | ▪  |
| 25 x 25      | 1,50      | 1,16        | ▪                           | ▪                             |                                | ▪  |
| 25 x 25      | 2,00      | 1,53        | ▪                           | ▪                             | ▪                              | ▪  |
| 25 x 25      | 2,50      | 1,88        | ▪                           |                               |                                |  |
| 30 x 10      | 1,50      | 0,92        | ▪                           |                               |                                |  |
| 30 x 15      | 1,50      | 1,04        | ▪                           |                               |                                | ▪  |
| 30 x 20      | 1,20      | 0,94        | ▪                           |                               |                                |  |
| 30 x 20      | 1,50      | 1,16        | ▪                           |                               |                                | ▪  |
| 30 x 20      | 2,00      | 1,53        | ▪                           | ▪                             | ▪                              | ▪  |
| 30 x 30      | 1,20      | 1,14        | ▪                           |                               |                                | ▪  |
| 30 x 30      | 1,50      | 1,41        | ▪                           | ▪                             |                                | ▪  |
| 30 x 30      | 2,00      | 1,85        | ▪                           | ▪                             | ▪                              | ▪  |
| 30 x 30      | 3,00      | 2,70        | ▪                           | ▪                             | ▪                              |  |
| 35 x 35      | 1,20      | 1,33        | ▪                           |                               |                                | ▪  |
| 35 x 35      | 1,50      | 1,65        | ▪                           |                               |                                | ▪  |
| 35 x 35      | 2,00      | 2,18        | ▪                           | ▪                             |                                | ▪  |
| 35 x 35      | 3,00      | 3,19        | ▪                           |                               |                                |  |
| 40 x 10      | 1,50      | 1,16        | ▪                           |                               |                                |  |
| 40 x 10      | 2,00      | 1,53        | ▪                           |                               |                                |  |
| 40 x 15      | 1,50      | 1,29        | ▪                           |                               |                                |  |
| 40 x 15      | 2,00      | 1,69        | ▪                           |                               |                                |  |
| 40 x 20      | 1,20      | 1,14        |                             |                               |                                | ▪  |
| 40 x 20      | 1,50      | 1,41        | ▪                           |                               | ▪                              | ▪  |
| 40 x 20      | 2,00      | 1,85        | ▪                           | ▪                             | ▪                              | ▪  |
| 40 x 30      | 2,00      | 2,18        | ▪                           | ▪                             | ▪                              | ▪  |
| 40 x 30      | 3,00      | 3,19        | ▪                           |                               |                                |  |
| 40 x 40      | 1,20      | 1,53        | ▪                           |                               |                                | ▪  |
| 40 x 40      | 1,50      | 1,90        | ▪                           | ▪                             | ▪                              | ▪  |
| 40 x 40      | 2,00      | 2,50        | ▪                           | ▪                             | ▪                              | ▪  |
| 40 x 40      | 3,00      | 3,68        | ▪                           | ▪                             | ▪                              | ▪  |

\* Uitvoeringen zie pagina 105

Wij beschikken over een eigen slijp en zaagcentrum.

| Uitwendige Ø | Wanddikte | Theor. Gew. | W.-Nr. 1.4301<br>ASI 304 *) | W.-Nr. 1.4404<br>AISI 316L *) | W.-Nr. 1.4571<br>AISI 316Ti *) | W.-Nr. 1.4301<br>ASI 304 *)<br>geslepen korrel 240 resp. 320 |
|--------------|-----------|-------------|-----------------------------|-------------------------------|--------------------------------|--|
| mm           | mm        | kg/m        |                             |                               |                                |  |
| 40 x 40      | 4,00      | 4,81        | ▪                           | ▪                             | ▪                              |  |
| 45 x 45      | 2,00      | 2,83        | ▪                           |                               |                                |  |
| 45 x 45      | 3,00      | 4,16        | ▪                           |                               |                                |  |
| 50 x 10      | 1,50      | 1,41        | ▪                           |                               |                                |  |
| 50 x 20      | 1,50      | 1,65        | ▪                           |                               | ▪                              | ▪  |
| 50 x 20      | 2,00      | 2,18        | ▪                           | ▪                             |                                | ▪  |
| 50 x 25      | 2,00      | 2,34        | ▪                           | ▪                             |                                | ▪  |
| 50 x 30      | 1,50      | 1,90        | ▪                           |                               |                                |  |
| 50 x 30      | 2,00      | 2,50        | ▪                           | ▪                             | ▪                              | ▪  |
| 50 x 30      | 3,00      | 3,68        | ▪                           | ▪                             | ▪                              |  |
| 50 x 40      | 2,00      | 2,83        | ▪                           |                               |                                |  |
| 50 x 40      | 3,00      | 4,17        | ▪                           |                               |                                |  |
| 50 x 50      | 1,50      | 2,39        | ▪                           |                               |                                | ▪  |
| 50 x 50      | 2,00      | 3,16        | ▪                           | ▪                             | ▪                              | ▪  |
| 50 x 50      | 2,50      | 3,91        | ▪                           |                               |                                |  |
| 50 x 50      | 3,00      | 4,66        | ▪                           | ▪                             | ▪                              | ▪  |
| 50 x 50      | 4,00      | 6,11        | ▪                           | ▪                             |                                |  |
| 50 x 50      | 5,00      | 7,51        | ▪                           |                               | ▪                              |  |
| 60 x 20      | 2,00      | 2,50        | ▪                           | ▪                             |                                | ▪  |
| 60 x 30      | 1,50      | 2,14        |                             |                               |                                | ▪  |
| 60 x 30      | 2,00      | 2,83        | ▪                           | ▪                             | ▪                              | ▪  |
| 60 x 30      | 3,00      | 4,17        | ▪                           | ▪                             | ▪                              |  |
| 60 x 40      | 1,50      | 2,39        | ▪                           |                               |                                | ▪  |
| 60 x 40      | 2,00      | 3,16        | ▪                           | ▪                             | ▪                              | ▪  |
| 60 x 40      | 3,00      | 4,66        | ▪                           | ▪                             | ▪                              | ▪  |
| 60 x 40      | 4,00      | 6,11        | ▪                           |                               | ▪                              | ▪  |
| 60 x 60      | 2,00      | 3,81        | ▪                           | ▪                             | ▪                              | ▪  |
| 60 x 60      | 3,00      | 5,63        | ▪                           | ▪                             | ▪                              | ▪  |
| 60 x 60      | 4,00      | 7,41        | ▪                           | ▪                             | ▪                              | ▪  |
| 60 x 60      | 5,00      | 9,14        | ▪                           | ▪                             |                                |  |
| 70 x 70      | 2,00      | 4,46        | ▪                           |                               |                                |  |
| 70 x 70      | 3,00      | 6,61        | ▪                           |                               | ▪                              |  |
| 70 x 70      | 4,00      | 8,71        | ▪                           |                               | ▪                              |  |
| 70 x 70      | 5,00      | 10,77       | ▪                           |                               |                                |  |
| 80 x 20      | 2,00      | 3,16        | ▪                           |                               |                                |  |
| 80 x 40      | 1,50      | 2,87        |                             |                               |                                | ▪  |
| 80 x 40      | 2,00      | 3,81        | ▪                           |                               | ▪                              | ▪  |
| 80 x 40      | 3,00      | 5,63        | ▪                           | ▪                             | ▪                              |  |
| 80 x 40      | 4,00      | 7,41        | ▪                           | ▪                             | ▪                              |  |

\* Uitvoeringen zie pagina 105

Wij beschikken over een eigen slijp en zaagcentrum.

| Uitwendige Ø | Wanddikte | Theor. Gew. | W.-Nr. 1.4301<br>ASI 304 *) | W.-Nr. 1.4404<br>AISI 316L *) | W.-Nr. 1.4571<br>AISI 316Ti *) | W.-Nr. 1.4301<br>ASI 304 *)<br>geslepen korrel 240 resp. 320 |
|--------------|-----------|-------------|-----------------------------|-------------------------------|--------------------------------|--|
| mm           | mm        | kg/m        |                             |                               |                                |  |
| 80 x 40      | 5,00      | 9,14        | ▪                           | ▪                             |                                |  |
| 80 x 50      | 3,00      | 6,12        | ▪                           |                               | ▪                              | ▪  |
| 80 x 60      | 2,00      | 4,46        | ▪                           |                               |                                |  |
| 80 x 60      | 3,00      | 6,61        | ▪                           |                               | ▪                              |  |
| 80 x 60      | 4,00      | 8,71        | ▪                           |                               | ▪                              |  |
| 80 x 60      | 5,00      | 9,14        |                             |                               | ▪                              | ▪  |
| 80 x 80      | 2,00      | 5,11        | ▪                           |                               | ▪                              | ▪  |
| 80 x 80      | 3,00      | 7,59        | ▪                           | ▪                             | ▪                              | ▪  |
| 80 x 80      | 4,00      | 10,02       | ▪                           | ▪                             | ▪                              | ▪  |
| 80 x 80      | 5,00      | 12,39       | ▪                           | ▪                             |                                |  |
| 80 x 80      | 6,00      | 14,72       | ▪                           |                               |                                |  |
| 100 x 20     | 2,00      | 3,81        | ▪                           |                               |                                |  |
| 100 x 40     | 2,00      | 4,46        | ▪                           | ▪                             |                                | ▪  |
| 100 x 40     | 3,00      | 6,61        | ▪                           | ▪                             |                                |  |
| 100 x 40     | 4,00      | 8,71        | ▪                           |                               | ▪                              |  |
| 100 x 40     | 5,00      | 10,77       | ▪                           |                               |                                |  |
| 100 x 50     | 2,00      | 4,78        | ▪                           | ▪                             |                                | ▪  |
| 100 x 50     | 3,00      | 7,10        | ▪                           | ▪                             | ▪                              | ▪  |
| 100 x 50     | 4,00      | 9,36        | ▪                           |                               | ▪                              |  |
| 100 x 50     | 5,00      | 11,58       | ▪                           | ▪                             |                                |  |
| 100 x 60     | 2,00      | 5,11        | ▪                           |                               | ▪                              |  |
| 100 x 60     | 3,00      | 7,59        | ▪                           |                               |                                | ▪  |
| 100 x 60     | 4,00      | 10,02       | ▪                           | ▪                             |                                |  |
| 100 x 60     | 5,00      | 12,39       | ▪                           |                               | ▪                              |  |
| 100 x 80     | 3,00      | 8,56        | ▪                           |                               | ▪                              |  |
| 100 x 80     | 4,00      | 11,32       | ▪                           |                               | ▪                              |  |
| 100 x 100    | 2,00      | 6,41        | ▪                           | ▪                             |                                | ▪  |
| 100 x 100    | 3,00      | 9,54        | ▪                           |                               | ▪                              | ▪  |
| 100 x 100    | 4,00      | 12,62       | ▪                           | ▪                             | ▪                              |  |
| 100 x 100    | 5,00      | 15,65       | ▪                           |                               | ▪                              |  |
| 100 x 100    | 6,00      | 18,63       | ▪                           |                               | ▪                              |  |
| 100 x 100    | 8,00      | 24,44       | ▪                           |                               |                                |  |
| 100 x 100    | 10,00     | 30,05       | ▪                           |                               |                                |  |
| 120 x 40     | 2,00      | 5,11        |                             |                               | ▪                              |  |
| 120 x 40     | 3,00      | 7,59        | ▪                           |                               | ▪                              | ▪  |
| 120 x 40     | 4,00      | 10,02       | ▪                           |                               |                                |  |
| 120 x 60     | 2,00      | 5,76        | ▪                           |                               |                                |  |
| 120 x 60     | 3,00      | 8,56        | ▪                           |                               | ▪                              | ▪  |
| 120 x 60     | 4,00      | 11,32       | ▪                           | ▪                             |                                |  |

\* Uitvoeringen zie pagina 105

Wij beschikken over een eigen slijp en zaagcentrum.



| Uitwendige Ø | Wanddikte | Theor. Gew. | W.-Nr. 1.4301<br>ASI 304 *) | W.-Nr. 1.4404<br>AISI 316L *) | W.-Nr. 1.4571<br>AISI 316Ti *) | W.-Nr. 1.4301<br>ASI 304 *)<br>geslepen korrel 240 resp. 320 |
|--------------|-----------|-------------|-----------------------------|-------------------------------|--------------------------------|--|
| mm           | mm        | kg/m        |                             |                               |                                |  |
| 120 x 60     | 5,00      | 14,02       | ▪                           |                               | ▪                              |  |
| 120 x 60     | 6,00      | 16,68       | ▪                           |                               |                                |  |
| 120 x 80     | 3,00      | 9,54        | ▪                           |                               | ▪                              |  |
| 120 x 80     | 4,00      | 12,62       | ▪                           |                               | ▪                              |  |
| 120 x 80     | 5,00      | 15,65       | ▪                           |                               | ▪                              |  |
| 120 x 120    | 3,00      | 11,49       | ▪                           |                               | ▪                              |  |
| 120 x 120    | 4,00      | 15,22       | ▪                           |                               | ▪                              |  |
| 120 x 120    | 5,00      | 18,91       | ▪                           |                               | ▪                              |  |
| 120 x 120    | 6,00      | 22,54       | ▪                           |                               |                                |  |
| 120 x 120    | 8,00      | 29,65       | ▪                           |                               |                                |  |
| 140 x 80     | 3,00      | 10,52       | ▪                           |                               |                                |  |
| 140 x 80     | 4,00      | 13,62       | ▪                           |                               | ▪                              |  |
| 140 x 80     | 5,00      | 17,28       | ▪                           |                               |                                |  |
| 150 x 50     | 3,00      | 9,54        | ▪                           |                               | ▪                              |  |
| 150 x 50     | 4,00      | 12,62       |                             |                               | ▪                              |  |
| 150 x 100    | 3,00      | 11,98       | ▪                           |                               | ▪                              |  |
| 150 x 100    | 4,00      | 15,88       | ▪                           |                               | ▪                              |  |
| 150 x 100    | 5,00      | 19,72       | ▪                           |                               | ▪                              |  |
| 150 x 100    | 8,00      | 30,95       | ▪                           |                               |                                |  |
| 150 x 100    | 10,00     | 38,19       | ▪                           |                               |                                |  |
| 150 x 150    | 3,00      | 14,42       | ▪                           |                               | ▪                              |  |
| 150 x 150    | 4,00      | 19,13       | ▪                           |                               | ▪                              |  |
| 150 x 150    | 5,00      | 23,79       | ▪                           |                               | ▪                              |  |
| 150 x 150    | 6,00      | 28,40       | ▪                           |                               |                                |  |
| 150 x 150    | 8,00      | 37,46       | ▪                           |                               |                                |  |
| 150 x 150    | 10,00     | 46,32       | ▪                           |                               |                                |  |
| 160 x 80     | 3,00      | 11,49       | ▪                           |                               |                                |  |
| 160 x 80     | 4,00      | 15,22       | ▪                           |                               |                                |  |
| 160 x 80     | 5,00      | 18,91       | ▪                           |                               | ▪                              |  |
| 200 x 100    | 3,00      | 14,42       |                             |                               | ▪                              |  |
| 200 x 100    | 4,00      | 19,13       | ▪                           |                               | ▪                              |  |
| 200 x 100    | 5,00      | 23,79       | ▪                           |                               | ▪                              |  |
| 200 x 100    | 6,00      | 28,40       | ▪                           |                               | ▪                              |  |
| 200 x 100    | 8,00      | 37,46       | ▪                           |                               |                                |  |
| 200 x 200    | 4,00      | 25,64       | ▪                           |                               |                                |  |
| 200 x 200    | 5,00      | 31,93       | ▪                           |                               | ▪                              |  |
| 250 x 150    | 5,00      | 31,93       | ▪                           |                               |                                |  |

\* Uitvoeringen zie pagina 105

Wij beschikken over een eigen slijp en zaagcentrum.



# LEIDINGPIJP

rond

116 - 139

# Een straatlengte vóór

Aan leidingpijp worden hoge eisen gesteld. Daarom sorteren wij een buisassortiment dat dieper en breder is dan dat van de meeste aanbieders. Van naadloos tot gelast, van roestvast naar hoog corrosiebestendig, tot hittebestendig. Ongetwijfeld vindt u wat u nodig heeft in dit aanbod.

## Leidingpijp | rond

Op handelslengten van 4 tot 7 m

- \* Oplossend gegloeid, gebeitst of metaalblank resp. ongegloeid, gebeitst of metaalblank

## Naadloze leidingpijp

Warm-(HFD) resp. koudvervaardigd (CFD of CFA) warmtebehandeld, gebeitste resp. metaalblanke oppervlakte.

## Technische leveringscondities

EN 10305-1, EN 10216-5 TC1 en/of TC2, ook in combinatie met AD 2000-Merkblatt W2. VdTÜV-Blatt 418, VdTÜV-Blatt 421. ASTM A213, ASTM A 312.

## Maatnormen

DIN EN ISO 1127, tolerantieclasses: koudvervaardigde buizen D2/T3 resp. D3/T3 resp. D4/T3. Warmvervaardigde buizen D1/T1 resp. D2/T2. ASTM A 530, A999. Koudvervaardigde buizen (Hydrauliek buizen) met uitw. Dia 6 tot 42 mm, DIN EN ISO 1127 D4/T3 in navolging DIN EN 10305-1. ASTM A 269.

## Gelaste leidingpijp

Uit band op plaat geproduceerde buizen, warmtebehandeld en gebeitst resp. blankgegloeid of ongegloeid, gebeitst resp. metaalblank. Uitvoeringswijze „b“ resp. „g“ (gerolde binnennaad) volgens EN 10217-7 Tabel 2 resp. tabel 6 resp. DIN 11850 volgens overeenkomst.

## Technische leveringscondities

EN 10217-7 TC 1/TC 2, ook in combinatie met AD 2000-Merkblatt W2. EN 10296-2. DIN 11850 in combinatie met EN 10217-7 TC1, ASTM A312 en ASTM A778.

## Maatnormen

DIN EN ISO 1127, Tolerantieclasses: D2/T2 resp. D2/T3 bzw. D3/T3 resp. D4/T3 DIN 11850 ASTM A 999 en ASTM A 530.

## Keuringscertificaten

DIN EN 10204 3.1 resp. 3.2 indien overeengekomen

\* Inhoud zie pagina 116 tot 139

| Uitwendige-Ø | Wanddikte | Uitwendige buisdiameter en wanddiktes volgens ASME | Theor. Gew. | W.-Nr. 1.4301 | W.-Nr. 1.4306 | W.-Nr. 1.4307 | W.-Nr. 1.4401 | W.-Nr. 1.4404 | W.-Nr. 1.4541 | W.-Nr. 1.4571 |
|--------------|-----------|--|-------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| mm           | mm        |  | kg/m        | AISI 304 *)   | AISI 304L *)  | AISI 304L *)  | AISI 316 *)   | AISI 316L *)  | AISI 321 *)   | AISI 316Ti *) |
| 4,00         | 0,50      |  | 0,04        |               |               |               |               |               |               | ▪             |
| 4,00         | 1,00      |  | 0,08        | ▪             |               | ▪             |               |               |               | ▪             |
| 5,00         | 1,00      |  | 0,10        | ▪             |               | ▪             |               |               |               | ▪             |
| 6,00         | 1,00      |  | 0,13        | ▪             |               | ▪             | ▪             | ▪             | ▪             | ▪             |
| 6,00         | 1,50      |  | 0,17        |               |               |               |               |               | ▪             | ▪             |
| 8,00         | 1,00      |  | 0,18        | ▪             |               | ▪             | ▪             | ▪             | ▪             | ▪             |
| 8,00         | 1,50      |  | 0,24        | ▪             |               | ▪             |               |               |               | ▪             |
| 8,00         | 2,00      |  | 0,30        | ▪             |               | ▪             |               |               | ▪             | ▪             |
| 10,00        | 1,00      |  | 0,23        | ▪             |               | ▪             | ▪             | ▪             | ▪             | ▪             |
| 10,00        | 1,50      |  | 0,32        | ▪             |               | ▪             |               |               | ▪             | ▪             |
| 10,00        | 2,00      |  | 0,40        | ▪             |               | ▪             |               |               | ▪             | ▪             |
| 10,00        | 2,50      |  | 0,47        | ▪             |               | ▪             |               |               |               |               |
| 10,20        | 2,00      |  | 0,41        |               |               |               | ▪             | ▪             |               |               |
| 12,00        | 1,00      |  | 0,28        | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 12,00        | 1,50      |  | 0,39        | ▪             | ▪             | ▪             |               |               | ▪             | ▪             |
| 12,00        | 2,00      |  | 0,50        | ▪             | ▪             | ▪             |               |               | ▪             | ▪             |
| 12,00        | 2,50      |  | 0,59        | ▪             | ▪             | ▪             |               |               |               |               |
| 13,50        | 1,60      |  | 0,48        |               |               |               |               |               | ▪             | ▪             |
| 13,50        | 2,30      |  | 0,65        | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 13,70        | 3,02      | 1/4" SCH 80S                                       | 0,81        |               |               |               | ▪             | ▪             |               |               |
| 14,00        | 2,00      |  | 0,60        | ▪             | ▪             | ▪             |               |               |               | ▪             |
| 14,00        | 2,50      |  | 0,72        |               |               |               |               |               | ▪             |               |
| 14,00        | 3,00      |  | 0,83        |               |               |               | ▪             | ▪             |               |               |
| 15,00        | 1,00      |  | 0,35        |               |               |               | ▪             | ▪             |               |               |
| 15,00        | 1,50      |  | 0,51        | ▪             | ▪             | ▪             |               |               | ▪             | ▪             |
| 15,00        | 2,00      |  | 0,65        | ▪             | ▪             | ▪             |               |               | ▪             | ▪             |
| 16,00        | 1,00      |  | 0,38        | ▪             | ▪             | ▪             |               |               |               | ▪             |
| 16,00        | 1,50      |  | 0,54        | ▪             | ▪             | ▪             |               |               | ▪             | ▪             |
| 16,00        | 2,00      |  | 0,70        | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 16,00        | 2,50      |  | 0,85        |               |               |               |               |               | ▪             | ▪             |
| 16,00        | 3,00      |  | 0,98        |               |               |               |               |               | ▪             | ▪             |
| 17,20        | 1,60      |  | 0,62        | ▪             | ▪             | ▪             |               |               |               | ▪             |
| 17,20        | 2,00      |  | 0,76        | ▪             | ▪             | ▪             |               |               | ▪             | ▪             |
| 17,20        | 2,30      |  | 0,86        | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 18,00        | 1,00      |  | 0,43        | ▪             | ▪             | ▪             | ▪             | ▪             |               | ▪             |
| 18,00        | 1,50      |  | 0,62        | ▪             | ▪             | ▪             |               |               | ▪             | ▪             |
| 18,00        | 2,00      |  | 0,80        | ▪             | ▪             | ▪             |               |               | ▪             | ▪             |
| 18,00        | 2,50      |  | 0,97        |               |               |               |               |               | ▪             | ▪             |
| 18,00        | 3,00      |  | 1,13        |               |               |               |               |               | ▪             | ▪             |

\* Uitvoeringen zie pagina 115

| Uitwendige-Ø | Wanddikte | Uitwendige buisdiameter en wanddiktes volgens ASME | Theor. Gew. | W.-Nr. 1.4301 | W.-Nr. 1.4306 | W.-Nr. 1.4307 | W.-Nr. 1.4401 | W.-Nr. 1.4404 | W.-Nr. 1.4541 | W.-Nr. 1.4571 |
|--------------|-----------|--|-------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| mm           | mm        |  | kg/m        | AISI 304 *)   | AISI 304L *)  | AISI 304L *)  | AISI 316 *)   | AISI 316L *)  | AISI 321 *)   | AISI 316Ti *) |
| 18,00        | 4,00      |  | 1,40        | ▪             | ▪             | ▪             |               |               | ▪             |               |
| 20,00        | 1,50      |  | 0,69        | ▪             | ▪             | ▪             |               |               |               | ▪             |
| 20,00        | 2,00      |  | 0,90        | ▪             | ▪             | ▪             |               |               | ▪             | ▪             |
| 20,00        | 2,50      |  | 1,10        | ▪             | ▪             | ▪             |               |               | ▪             | ▪             |
| 20,00        | 3,00      |  | 1,28        | ▪             | ▪             | ▪             |               |               | ▪             |               |
| 20,00        | 4,00      |  | 1,60        |               |               |               |               |               | ▪             | ▪             |
| 20,00        | 5,00      |  | 1,88        |               |               |               |               |               | ▪             | ▪             |
| 20,00        | 6,00      |  | 2,10        |               |               |               |               |               | ▪             |               |
| 21,30        | 1,60      |  | 0,79        | ▪             | ▪             | ▪             |               |               |               | ▪             |
| 21,30        | 2,00      |  | 0,97        | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 21,30        | 2,11      | 1/2" SCH 10S                                       | 1,02        |               |               |               |               |               | ▪             | ▪             |
| 21,30        | 2,60      |  | 1,22        | ▪             | ▪             | ▪             |               |               | ▪             | ▪             |
| 21,30        | 2,77      | 1/2" SCH 40S                                       | 1,29        | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 21,30        | 2,90      |  | 1,34        |               |               |               |               |               |               | ▪             |
| 21,30        | 3,20      |  | 1,45        | ▪             | ▪             | ▪             |               |               |               | ▪             |
| 21,30        | 3,73      | 1/2" SCH 80S                                       | 1,64        | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 21,30        | 4,78      | 1/2" SCH 160                                       | 1,98        |               |               |               |               |               | ▪             | ▪             |
| 21,30        | 7,47      | 1/2" XXS   | 2,59        | ▪             | ▪             | ▪             |               |               |               |               |
| 22,00        | 1,00      |  | 0,53        |               |               |               |               |               |               | ▪             |
| 22,00        | 1,50      |  | 0,77        | ▪             | ▪             | ▪             |               |               | ▪             | ▪             |
| 22,00        | 2,00      |  | 1,00        | ▪             | ▪             | ▪             |               |               | ▪             | ▪             |
| 22,00        | 3,00      |  | 1,43        |               |               |               |               |               | ▪             |               |
| 25,00        | 1,50      |  | 0,88        | ▪             | ▪             | ▪             |               |               |               | ▪             |
| 25,00        | 2,00      |  | 1,15        | ▪             | ▪             | ▪             |               |               | ▪             | ▪             |
| 25,00        | 2,50      |  | 1,41        | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 25,00        | 3,00      |  | 1,65        | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 25,00        | 4,00      |  | 2,10        |               |               |               |               |               | ▪             |               |
| 25,00        | 5,00      |  | 2,50        | ▪             | ▪             | ▪             |               |               | ▪             | ▪             |
| 26,70        | 2,11      | 3/4" SCH 10S                                       | 1,30        | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |               |
| 26,70        | 2,87      | 3/4" SCH 40S                                       | 1,71        | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |               |
| 26,70        | 3,91      | 3/4" SCH 80S                                       | 2,23        | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 26,70        | 5,56      | 3/4" SCH 160                                       | 2,93        | ▪             | ▪             | ▪             |               |               |               | ▪             |
| 26,70        | 7,82      | 3/4" XXS   | 3,69        | ▪             | ▪             | ▪             | ▪             | ▪             |               |               |
| 26,90        | 2,00      |  | 1,25        | ▪             | ▪             | ▪             |               |               | ▪             | ▪             |
| 26,90        | 2,30      |  | 1,42        |               |               |               |               |               |               | ▪             |
| 26,90        | 2,60      |  | 1,58        | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 26,90        | 3,20      |  | 1,90        | ▪             | ▪             | ▪             |               |               | ▪             | ▪             |
| 28,00        | 1,50      |  | 1,00        | ▪             | ▪             | ▪             |               |               | ▪             | ▪             |
| 28,00        | 2,00      |  | 1,30        | ▪             | ▪             | ▪             |               |               | ▪             | ▪             |

\* Uitvoeringen zie pagina 115

| Uitwendige-Ø | Wanddikte | Uitwendige buisdiameter en wanddiktes volgens ASME | Theor. Gew. | W.-Nr. 1.4301 | W.-Nr. 1.4306 | W.-Nr. 1.4307 | W.-Nr. 1.4401 | W.-Nr. 1.4404 | W.-Nr. 1.4541 | W.-Nr. 1.4571 |
|--------------|-----------|--|-------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| mm           | mm        |  | kg/m        | AISI 304 *)   | AISI 304L *)  | AISI 304L *)  | AISI 316 *)   | AISI 316L *)  | AISI 321 *)   | AISI 316Ti *) |
| 28,00        | 2,50      |  | 1,60        |               |               |               |               |               |               | ▪             |
| 28,00        | 3,00      |  | 1,88        |               |               |               |               |               | ▪             | ▪             |
| 30,00        | 2,00      |  | 1,40        | ▪             | ▪             | ▪             |               |               | ▪             | ▪             |
| 30,00        | 2,60      |  | 1,78        | ▪             | ▪             | ▪             |               |               |               | ▪             |
| 30,00        | 3,00      |  | 2,03        | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 30,00        | 4,00      |  | 2,60        |               |               |               | ▪             | ▪             | ▪             | ▪             |
| 30,00        | 5,00      |  | 3,13        | ▪             | ▪             | ▪             |               |               | ▪             | ▪             |
| 32,00        | 2,00      |  | 1,50        | ▪             | ▪             | ▪             |               |               |               |               |
| 33,40        | 2,77      | 1" SCH 10S   | 2,12        | ▪             | ▪             | ▪             | ▪             | ▪             |               | ▪             |
| 33,40        | 3,38      | 1" SCH 40S   | 2,54        | ▪             | ▪             | ▪             | ▪             | ▪             |               | ▪             |
| 33,40        | 4,55      | 1" SCH 80S   | 3,29        | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 33,40        | 6,35      | 1" SCH 160   | 4,30        |               |               |               | ▪             | ▪             |               |               |
| 33,70        | 2,00      |  | 1,59        | ▪             | ▪             | ▪             |               |               | ▪             | ▪             |
| 33,70        | 2,60      |  | 2,02        | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 33,70        | 3,20      |  | 2,44        | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 33,70        | 3,60      |  | 2,71        |               |               |               |               |               | ▪             |               |
| 33,70        | 4,05      |  | 3,01        | ▪             | ▪             | ▪             |               |               | ▪             | ▪             |
| 35,00        | 3,00      |  | 2,40        |               |               |               |               |               |               | ▪             |
| 36,00        | 2,00      |  | 1,70        |               |               |               |               |               |               | ▪             |
| 38,00        | 2,00      |  | 1,80        | ▪             | ▪             | ▪             |               |               | ▪             | ▪             |
| 38,00        | 2,60      |  | 2,30        | ▪             | ▪             | ▪             |               |               |               | ▪             |
| 38,00        | 3,00      |  | 2,63        | ▪             | ▪             | ▪             |               |               |               | ▪             |
| 38,00        | 4,00      |  | 3,41        |               |               |               | ▪             | ▪             | ▪             | ▪             |
| 38,00        | 5,00      |  | 4,13        | ▪             | ▪             | ▪             |               |               | ▪             | ▪             |
| 40,00        | 2,00      |  | 1,90        | ▪             | ▪             | ▪             |               |               | ▪             |               |
| 40,00        | 2,50      |  | 2,35        | ▪             | ▪             | ▪             |               |               |               |               |
| 40,00        | 3,00      |  | 2,78        | ▪             | ▪             | ▪             |               |               |               |               |
| 40,00        | 5,00      |  | 4,38        | ▪             | ▪             | ▪             |               |               | ▪             | ▪             |
| 42,00        | 3,00      |  | 2,93        |               |               |               | ▪             | ▪             |               |               |
| 42,20        | 2,77      | 1 1/4" SCH 10S                                     | 2,73        |               |               |               | ▪             | ▪             | ▪             |               |
| 42,20        | 3,56      | 1 1/4" SCH 40S                                     | 3,44        | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 42,20        | 4,85      | 1 1/4" SCH 80S                                     | 4,53        | ▪             | ▪             | ▪             | ▪             | ▪             |               | ▪             |
| 42,20        | 6,35      | 1 1/4" SCH 160                                     | 5,69        | ▪             | ▪             | ▪             | ▪             | ▪             |               |               |
| 42,40        | 2,00      |  | 2,02        | ▪             | ▪             | ▪             |               |               | ▪             | ▪             |
| 42,40        | 2,60      |  | 2,59        | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 42,40        | 3,20      |  | 3,14        | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 42,40        | 4,05      |  | 3,89        | ▪             | ▪             | ▪             |               |               | ▪             | ▪             |
| 44,50        | 2,00      |  | 2,13        | ▪             | ▪             | ▪             |               |               |               | ▪             |
| 44,50        | 2,60      |  | 2,73        | ▪             | ▪             | ▪             |               |               |               | ▪             |

\* Uitvoeringen zie pagina 115

| Uitwendige-Ø | Wanddikte | Uitwendige buisdiameter en wanddiktes volgens ASME | Theor. Gew. | W.-Nr. 1.4301 | W.-Nr. 1.4306 | W.-Nr. 1.4307 | W.-Nr. 1.4401 | W.-Nr. 1.4404 | W.-Nr. 1.4541 | W.-Nr. 1.4571 |
|--------------|-----------|--|-------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| mm           | mm        |  | kg/m        | AISI 304 *)   | AISI 304L *)  | AISI 304L *)  | AISI 316 *)   | AISI 316L *)  | AISI 321 *)   | AISI 316Ti *) |
| 48,30        | 2,00      |  | 2,32        | ▪             | ▪             | ▪             |               |               | ▪             | ▪             |
| 48,30        | 2,60      |  | 2,98        | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 48,30        | 2,77      | 1 1/2" SCH 10S                                     | 3,16        |               |               |               | ▪             | ▪             | ▪             |               |
| 48,30        | 3,20      |  | 3,61        | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 48,30        | 3,68      | 1 1/2" SCH 40S                                     | 4,11        | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 48,30        | 4,05      |  | 4,49        | ▪             | ▪             | ▪             |               |               | ▪             | ▪             |
| 48,30        | 5,08      | 1 1/2" SCH 80S                                     | 5,49        | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 48,30        | 7,14      | 1 1/2" SCH 160                                     | 7,35        |               |               |               | ▪             | ▪             |               |               |
| 48,30        | 10,15     | 1 1/2" XXS   | 9,69        | ▪             | ▪             | ▪             |               |               |               |               |
| 50,00        | 2,00      |  | 2,40        | ▪             | ▪             | ▪             |               |               | ▪             |               |
| 50,00        | 4,00      |  | 4,60        |               |               |               |               |               |               | ▪             |
| 50,00        | 5,00      |  | 5,63        | ▪             | ▪             | ▪             |               |               | ▪             | ▪             |
| 50,00        | 6,00      |  | 6,61        | ▪             | ▪             | ▪             |               |               |               | ▪             |
| 51,00        | 2,60      |  | 3,15        | ▪             | ▪             | ▪             |               |               |               | ▪             |
| 54,00        | 2,00      |  | 2,60        | ▪             | ▪             | ▪             |               |               |               | ▪             |
| 55,00        | 5,00      |  | 6,26        | ▪             | ▪             | ▪             |               |               |               |               |
| 57,00        | 2,00      |  | 2,75        | ▪             | ▪             | ▪             |               |               |               | ▪             |
| 57,00        | 2,60      |  | 3,54        |               |               |               |               |               | ▪             |               |
| 57,00        | 2,90      |  | 3,93        | ▪             | ▪             | ▪             |               |               | ▪             |               |
| 57,00        | 3,00      |  | 4,06        |               |               |               |               |               |               | ▪             |
| 60,00        | 5,00      |  | 6,89        | ▪             | ▪             | ▪             |               |               |               | ▪             |
| 60,30        | 2,00      |  | 2,92        | ▪             | ▪             | ▪             |               |               | ▪             | ▪             |
| 60,30        | 2,60      |  | 3,76        | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 60,30        | 2,77      | 2" SCH 10S   | 3,99        | ▪             | ▪             | ▪             | ▪             | ▪             |               |               |
| 60,30        | 2,90      |  | 4,17        | ▪             | ▪             | ▪             |               |               | ▪             | ▪             |
| 60,30        | 3,20      |  | 4,58        |               |               |               | ▪             | ▪             | ▪             | ▪             |
| 60,30        | 3,60      |  | 5,11        | ▪             | ▪             | ▪             |               |               |               | ▪             |
| 60,30        | 3,91      | 2" SCH 40S   | 5,52        | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 60,30        | 4,50      |  | 6,29        | ▪             | ▪             | ▪             |               |               | ▪             | ▪             |
| 60,30        | 5,54      | 2" SCH 80S   | 7,60        | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 60,30        | 8,74      | 2" SCH 160S  | 11,29       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 70,00        | 2,90      |  | 4,87        | ▪             | ▪             | ▪             |               |               |               | ▪             |
| 70,00        | 5,00      |  | 8,14        |               |               |               |               |               | ▪             |               |
| 73,00        | 3,05      | 2 1/2" SCH 10S                                     | 5,34        | ▪             | ▪             | ▪             | ▪             | ▪             |               | ▪             |
| 73,00        | 5,16      | 2 1/2" SCH 40S                                     | 8,77        | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 73,00        | 7,01      | 2 1/2" SCH 80S                                     | 11,59       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |               |
| 73,00        | 9,53      | 2 1/2" SCH 160                                     | 15,15       |               |               |               | ▪             | ▪             |               |               |
| 73,00        | 14,02     | 2 1/2" XXS   | 20,72       | ▪             | ▪             | ▪             | ▪             | ▪             |               |               |
| 76,10        | 2,00      |  | 3,71        |               |               |               |               |               | ▪             |               |

\* Uitvoeringen zie pagina 115

| Uitwendige-Ø | Wanddikte | Uitwendige buisdiameter en wanddiktes volgens ASME | Theor. Gew. | W.-Nr. 1.4301 | W.-Nr. 1.4306 | W.-Nr. 1.4307 | W.-Nr. 1.4401 | W.-Nr. 1.4404 | W.-Nr. 1.4541 | W.-Nr. 1.4571 |
|--------------|-----------|--|-------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| mm           | mm        |  | kg/m        | AISI 304 *)   | AISI 304L *)  | AISI 304L *)  | AISI 316 *)   | AISI 316L *)  | AISI 321 *)   | AISI 316Ti *) |
| 76,10        | 2,60      |  | 4,79        | ▪             | ▪             | ▪             | ▪             | ▪             |               |               |
| 76,10        | 2,90      |  | 5,32        | ▪             | ▪             | ▪             |               |               | ▪             | ▪             |
| 76,10        | 3,20      |  | 5,84        |               |               |               |               |               | ▪             |               |
| 76,10        | 3,60      |  | 6,54        | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 76,10        | 4,50      |  | 8,07        | ▪             | ▪             | ▪             |               |               | ▪             | ▪             |
| 76,10        | 6,30      |  | 11,01       |               |               |               |               |               | ▪             | ▪             |
| 80,00        | 5,00      |  | 9,39        | ▪             | ▪             | ▪             |               |               |               | ▪             |
| 88,90        | 2,00      |  | 4,35        |               |               |               |               |               |               | ▪             |
| 88,90        | 2,60      |  | 5,62        | ▪             | ▪             | ▪             |               |               | ▪             |               |
| 88,90        | 2,90      |  | 6,24        | ▪             | ▪             | ▪             |               |               | ▪             |               |
| 88,90        | 3,05      | 3" SCH 10S   | 6,56        | ▪             | ▪             | ▪             | ▪             | ▪             |               | ▪             |
| 88,90        | 3,20      |  | 6,49        | ▪             | ▪             | ▪             |               |               | ▪             | ▪             |
| 88,90        | 3,60      |  | 7,69        | ▪             | ▪             | ▪             |               |               | ▪             |               |
| 88,90        | 4,05      |  | 8,60        | ▪             | ▪             | ▪             |               |               | ▪             | ▪             |
| 88,90        | 4,50      |  | 9,51        | ▪             | ▪             | ▪             |               |               |               | ▪             |
| 88,90        | 5,49      | 3" SCH 40S   | 11,47       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 88,90        | 7,62      | 3" SCH 80S   | 15,51       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 101,60       | 3,05      | 3 1/2" SCH 10S                                     | 7,53        | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |               |
| 101,60       | 4,05      |  | 9,89        | ▪             | ▪             | ▪             |               |               | ▪             |               |
| 101,60       | 5,74      | 3 1/2" SCH 40S                                     | 13,78       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 108,00       | 3,00      |  | 7,89        | ▪             | ▪             | ▪             |               |               | ▪             | ▪             |
| 108,00       | 4,00      |  | 10,42       | ▪             | ▪             | ▪             |               |               | ▪             | ▪             |
| 108,00       | 5,00      |  | 12,90       |               |               |               |               |               |               | ▪             |
| 114,30       | 2,60      |  | 7,27        |               |               |               |               |               | ▪             | ▪             |
| 114,30       | 3,05      | 4" SCH 10S   | 8,50        | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 114,30       | 3,60      |  | 9,98        | ▪             | ▪             | ▪             |               |               | ▪             | ▪             |
| 114,30       | 4,50      |  | 12,37       | ▪             | ▪             | ▪             |               |               |               | ▪             |
| 114,30       | 6,02      | 4" SCH 40S   | 16,32       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 114,30       | 7,11      |  | 19,08       | ▪             | ▪             | ▪             |               |               |               |               |
| 114,30       | 8,56      | 4" SCH 80S   | 22,66       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 121,00       | 4,00      |  | 11,72       |               |               |               |               |               | ▪             |               |
| 133,00       | 4,00      |  | 12,92       | ▪             | ▪             | ▪             |               |               | ▪             | ▪             |
| 139,70       | 4,00      |  | 13,59       |               |               |               |               |               | ▪             | ▪             |
| 141,30       | 3,40      | 5" SCH 10S   | 11,74       |               |               |               |               |               | ▪             |               |
| 141,30       | 6,55      | 5" SCH 40S   | 22,10       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 141,30       | 9,53      | 5" SCH 80S   | 31,44       |               |               |               | ▪             | ▪             | ▪             | ▪             |
| 141,30       | 19,05     | 5" SCH XXS   | 58,31       | ▪             | ▪             | ▪             |               |               |               |               |
| 159,00       | 4,50      |  | 17,41       |               |               |               |               |               | ▪             | ▪             |
| 168,30       | 3,40      | 6" SCH 10S   | 14,04       | ▪             | ▪             | ▪             | ▪             | ▪             |               |               |

\* Uitvoeringen zie pagina 115



| Uitwendige-Ø | Wanddikte | Uitwendige buisdiameter en wanddiktes volgens ASME | Theor. Gew. | W.-Nr. 1.4301 | W.-Nr. 1.4306 | W.-Nr. 1.4307 | W.-Nr. 1.4401 | W.-Nr. 1.4404 | W.-Nr. 1.4541 | W.-Nr. 1.4571 |
|--------------|-----------|--|-------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| mm           | mm        |  | kg/m        | AISI 304 *)   | AISI 304L *)  | AISI 304L *)  | AISI 316 *)   | AISI 316L *)  | AISI 321 *)   | AISI 316Ti *) |
| 168,30       | 4,50      |  | 18,46       | ▪             | ▪             | ▪             |               |               | ▪             | ▪             |
| 168,30       | 5,00      |  | 20,45       | ▪             | ▪             | ▪             |               |               | ▪             | ▪             |
| 168,30       | 7,11      | 6" SCH 40S   | 28,70       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 168,30       | 10,97     | 6" SCH 80S   | 43,22       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 168,30       | 18,26     | 6" SCH 160   | 68,60       |               |               |               | ▪             | ▪             |               |               |
| 168,30       | 21,95     | 6" SCH XXS   | 80,44       | ▪             | ▪             | ▪             |               |               |               |               |
| 219,10       | 3,76      | 8" SCH 10S   | 20,27       | ▪             | ▪             | ▪             | ▪             | ▪             |               |               |
| 219,10       | 6,35      | 8" SCH 20  | 33,57       | ▪             | ▪             | ▪             |               |               | ▪             | ▪             |
| 219,10       | 8,18      | 8" SCH 40S   | 43,20       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 219,10       | 12,70     | 8" SCH 80S   | 65,64       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 273,00       | 9,27      | 10" SCH 40S  | 61,22       | ▪             | ▪             | ▪             | ▪             | ▪             |               | ▪             |
| 273,00       | 12,70     | 10" SCH 80S  | 82,78       | ▪             | ▪             | ▪             | ▪             | ▪             |               | ▪             |
| 323,90       | 9,53      | 12" SCH 40S  | 75,02       | ▪             | ▪             | ▪             | ▪             | ▪             |               | ▪             |
| 323,90       | 12,70     | 12" SCH 80S  | 98,96       | ▪             | ▪             | ▪             | ▪             | ▪             |               | ▪             |

\* Uitvoeringen zie pagina 115



| Uitwendige-Ø | Wanddikte | Uitwendige buisdiameter en wanddiktes volgens ASME | Theor. Gew. | W.-Nr. 1.4539<br>AISI 904L<br>(*) |
|--------------|-----------|--|-------------|-----------------------------------|
| mm           | mm        |  | kg/m        |                                   |
| 10,30        | 2,00      |  | 0,42        | ▪                                 |
| 13,70        | 2,24      | 1/4" SCH 40S                                       | 0,64        | ▪                                 |
| 17,10        | 2,31      | 3/8" SCH 40S                                       | 0,86        | ▪                                 |
| 21,30        | 2,11      | 1/2" SCH 10S                                       | 1,02        | ▪                                 |
| 21,30        | 2,77      | 1/2" SCH 40S                                       | 1,29        | ▪                                 |
| 26,70        | 2,11      | 3/4" SCH 10S                                       | 1,30        | ▪                                 |
| 26,70        | 2,87      | 3/4" SCH 40S                                       | 1,71        | ▪                                 |
| 26,70        | 3,91      | 3/4" SCH 80S                                       | 2,23        | ▪                                 |
| 33,40        | 2,77      | 1" SCH 10S   | 2,12        | ▪                                 |
| 33,40        | 3,38      | 1" SCH 40S   | 2,54        | ▪                                 |
| 33,40        | 4,55      | 1" SCH 80S   | 3,29        | ▪                                 |
| 42,20        | 2,77      | 1 1/4" SCH 10S                                     | 2,73        | ▪                                 |
| 42,20        | 3,56      | 1 1/4" SCH 40S                                     | 3,44        | ▪                                 |
| 48,30        | 2,77      | 1 1/2" SCH 10S                                     | 3,16        | ▪                                 |
| 48,30        | 3,68      | 1 1/2" SCH 40S                                     | 4,11        | ▪                                 |
| 48,30        | 5,08      | 1 1/2" SCH 80S                                     | 5,49        | ▪                                 |
| 60,30        | 2,77      | 2" SCH 10S   | 3,99        | ▪                                 |
| 60,30        | 3,91      | 2" SCH 40S   | 5,52        | ▪                                 |
| 60,30        | 5,54      | 2" SCH 80S   | 7,60        | ▪                                 |
| 76,10        | 4,00      |  | 7,22        | ▪                                 |
| 88,90        | 3,05      | 3" SCH 10S   | 6,56        | ▪                                 |
| 88,90        | 4,00      |  | 8,50        | ▪                                 |
| 88,90        | 5,49      | 3" SCH 40S   | 11,47       | ▪                                 |
| 88,90        | 7,62      | 3" SCH 80S   | 15,51       | ▪                                 |
| 108,00       | 4,00      |  | 10,42       | ▪                                 |
| 114,30       | 3,05      | 4" SCH 10S   | 8,50        | ▪                                 |
| 114,30       | 6,02      | 4" SCH 40S   | 16,32       | ▪                                 |
| 114,30       | 8,56      | 4" SCH 80S   | 22,66       | ▪                                 |
| 159,00       | 6,00      |  | 22,99       | ▪                                 |
| 168,30       | 7,11      | 6" SCH 40S   | 28,70       | ▪                                 |
| 219,10       | 8,18      | 8" SCH 40S   | 43,20       | ▪                                 |
| 219,10       | 12,70     | 8" SCH 80S   | 65,64       | ▪                                 |

\* Uitvoeringen zie pagina 115

| Uitwendige-Ø<br>mm | Wanddikte<br>mm | Uitwendige<br>buisdiameter<br>en wanddiktes<br>volgens<br>ASME | Theor.<br>Gew.<br>kg/m | W.-Nr.<br>1.4462<br>UNS<br>S31803<br>)<br>Duplex | W.-Nr.<br>1.4501<br>UNS<br>S32760<br>)<br>Super Duplex |
|--------------------|-----------------|--|------------------------|--|--|
| 13,70              | 2,24            | 1/4" SCH 40S   | 0,64                   | ▪  |  |
| 17,20              | 2,31            | 3/8" SCH 40S   | 0,86                   | ▪  |  |
| 21,30              | 2,11            | 1/2" SCH 10S   | 1,02                   | ▪  |  |
| 21,30              | 2,77            | 1/2" SCH 40S   | 1,29                   | ▪  | ▪  |
| 21,30              | 3,73            | 1/2" SCH 80S   | 1,64                   |  | ▪  |
| 26,70              | 2,11            | 3/4" SCH 10S   | 1,30                   | ▪  |  |
| 26,70              | 2,87            | 3/4" SCH 40S   | 1,71                   | ▪  | ▪  |
| 26,70              | 3,91            | 3/4" SCH 80S   | 2,23                   |  | ▪  |
| 33,40              | 2,77            | 1" SCH 10S   | 2,12                   | ▪  |  |
| 33,40              | 3,38            | 1" SCH 40S   | 2,54                   | ▪  | ▪  |
| 33,40              | 4,55            | 1" SCH 80S   | 3,29                   | ▪  | ▪  |
| 42,20              | 2,77            | 1 1/4" SCH 10S   | 2,73                   | ▪  |  |
| 42,20              | 3,56            | 1 1/4" SCH 40S   | 3,44                   | ▪  | ▪  |
| 48,30              | 2,77            | 1 1/2" SCH 10S   | 3,16                   | ▪  |  |
| 48,30              | 3,68            | 1 1/2" SCH 40S   | 4,11                   | ▪  | ▪  |
| 48,30              | 5,08            | 1 1/2" SCH 80S   | 5,49                   | ▪  | ▪  |
| 60,30              | 2,77            | 2" SCH 10S   | 3,99                   | ▪  |  |
| 60,30              | 3,91            | 2" SCH 40S   | 5,52                   | ▪  | ▪  |
| 60,30              | 5,54            | 2" SCH 80S   | 7,60                   | ▪  | ▪  |
| 73,00              | 3,05            | 2 1/2" SCH 10S   | 5,34                   | ▪  |  |
| 73,00              | 5,16            | 2 1/2" SCH 40S   | 8,77                   | ▪  |  |
| 88,90              | 3,05            | 3" SCH 10S   | 6,56                   | ▪  | ▪  |
| 88,90              | 4,05            |  | 8,60                   | ▪  |  |
| 88,90              | 5,49            | 3" SCH 40S   | 11,47                  | ▪  | ▪  |
| 114,30             | 3,05            | 4" SCH 10S   | 8,50                   | ▪  |  |
| 114,30             | 6,02            | 4" SCH 40S   | 16,32                  | ▪  | ▪  |
| 168,30             | 3,40            | 6" SCH 10S   | 14,04                  | ▪  |  |
| 168,30             | 7,11            | 6" SCH 40S   | 28,70                  | ▪  | ▪  |
| 219,10             | 8,18            | 8" SCH 40S   | 43,20                  | ▪  |  |

\* Uitvoeringen zie pagina 115

| Uitwendige-Ø<br>mm | Wanddikte<br>mm | Uitwendige buisdiameter en wanddiktes volgens ASME | Theor. Gew.<br>kg/m | W.-Nr. 1.4841<br>AISI 314 *) | W.-Nr. 1.4845<br>AISI 310S *) | W.-Nr. 1.4878<br>AISI 321H *) |
|--------------------|-----------------|--|---------------------|------------------------------|-------------------------------|-------------------------------|
| 6,00               | 1,00            |  | 0,13                | ▪                            |                               | ▪                             |
| 6,00               | 1,50            |  | 0,17                |                              |                               | ▪                             |
| 8,00               | 1,00            |  | 0,18                | ▪                            |                               | ▪                             |
| 8,00               | 1,50            |  | 0,24                | ▪                            |                               |                               |
| 8,00               | 2,00            |  | 0,30                |                              |                               | ▪                             |
| 10,00              | 1,00            |  | 0,23                | ▪                            |                               | ▪                             |
| 10,00              | 1,50            |  | 0,32                |                              |                               | ▪                             |
| 10,00              | 2,00            |  | 0,40                |                              |                               | ▪                             |
| 10,20              | 2,00            |  | 0,41                | ▪                            |                               |                               |
| 12,00              | 1,00            |  | 0,28                |                              |                               | ▪                             |
| 12,00              | 1,50            |  | 0,39                |                              |                               | ▪                             |
| 12,00              | 2,00            |  | 0,50                | ▪                            |                               | ▪                             |
| 13,50              | 1,60            |  | 0,48                |                              |                               | ▪                             |
| 13,50              | 2,30            |  | 0,65                | ▪                            |                               |                               |
| 13,50              | 2,60            |  | 0,71                |                              |                               | ▪                             |
| 13,70              | 2,24            | 1/4" SCH 40S                                       | 0,64                |                              | ▪                             |                               |
| 14,00              | 1,50            |  | 0,47                | ▪                            |                               |                               |
| 15,00              | 1,50            |  | 0,51                |                              |                               | ▪                             |
| 15,00              | 2,00            |  | 0,65                | ▪                            |                               | ▪                             |
| 16,00              | 1,50            |  | 0,54                |                              |                               | ▪                             |
| 16,00              | 2,00            |  | 0,70                |                              |                               | ▪                             |
| 16,00              | 2,50            |  | 0,85                |                              |                               | ▪                             |
| 16,00              | 3,00            |  | 0,98                |                              |                               | ▪                             |
| 17,20              | 2,00            |  | 0,76                |                              |                               | ▪                             |
| 17,20              | 2,30            |  | 0,86                | ▪                            |                               | ▪                             |
| 17,20              | 2,31            |  | 0,86                |                              | ▪                             |                               |
| 18,00              | 1,50            |  | 0,62                |                              |                               | ▪                             |
| 18,00              | 2,00            |  | 0,80                |                              |                               | ▪                             |
| 18,00              | 2,50            |  | 0,97                |                              |                               | ▪                             |
| 18,00              | 3,00            |  | 1,13                |                              |                               | ▪                             |
| 18,00              | 4,00            |  | 1,40                |                              |                               | ▪                             |
| 20,00              | 2,00            |  | 0,90                | ▪                            |                               | ▪                             |
| 20,00              | 2,50            |  | 1,10                |                              |                               | ▪                             |
| 20,00              | 3,00            |  | 1,28                |                              |                               | ▪                             |
| 20,00              | 4,00            |  | 1,60                |                              |                               | ▪                             |
| 20,00              | 5,00            |  | 1,88                |                              |                               | ▪                             |
| 20,00              | 6,00            |  | 2,10                |                              |                               | ▪                             |
| 21,30              | 2,00            |  | 0,97                |                              |                               | ▪                             |

\* Uitvoeringen zie pagina 115

| Uitwendige-Ø | Wanddikte | Uitwendige buisdiameter en wanddiktes volgens ASME | Theor. Gew. | W.-Nr. 1.4841 | W.-Nr. 1.4845 | W.-Nr. 1.4878 |
|--------------|-----------|--|-------------|---------------|---------------|---------------|
| mm           | mm        |  | kg/m        | AISI 314 *)   | AISI 310S *)  | AISI 321H *)  |
| 21,30        | 2,11      | 1/2" SCH 10S                                       | 1,02        |               |               | ▪             |
| 21,30        | 2,60      |  | 1,22        | ▪             |               | ▪             |
| 21,30        | 2,77      | 1/2" SCH 40S                                       | 1,29        |               | ▪             | ▪             |
| 21,30        | 3,73      | 1/2" SCH 80S                                       | 1,64        |               | ▪             | ▪             |
| 21,30        | 4,75      | 1/2" SCH 160                                       | 1,98        |               |               | ▪             |
| 22,00        | 1,50      |  | 0,77        |               |               | ▪             |
| 22,00        | 2,00      |  | 1,00        | ▪             |               | ▪             |
| 22,00        | 3,00      |  | 1,43        |               |               | ▪             |
| 25,00        | 2,00      |  | 1,15        | ▪             |               | ▪             |
| 25,00        | 2,50      |  | 1,41        |               |               | ▪             |
| 25,00        | 3,00      |  | 1,65        |               |               | ▪             |
| 25,00        | 4,00      |  | 2,10        |               |               | ▪             |
| 25,00        | 5,00      |  | 2,50        |               |               | ▪             |
| 26,70        | 2,87      | 3/4" SCH 40S                                       | 1,71        |               | ▪             | ▪             |
| 26,70        | 3,91      | 3/4" SCH 80S                                       | 2,23        | ▪             | ▪             | ▪             |
| 26,90        | 2,00      |  | 1,25        | ▪             |               | ▪             |
| 26,90        | 2,60      |  | 1,58        | ▪             |               | ▪             |
| 26,90        | 3,20      |  | 1,90        |               |               | ▪             |
| 28,00        | 1,50      |  | 1,00        |               |               | ▪             |
| 28,00        | 2,00      |  | 1,30        |               |               | ▪             |
| 30,00        | 2,00      |  | 1,40        | ▪             |               | ▪             |
| 30,00        | 3,00      |  | 2,03        |               |               | ▪             |
| 30,00        | 4,00      |  | 2,60        |               |               | ▪             |
| 30,00        | 5,00      |  | 3,13        |               |               | ▪             |
| 33,40        | 3,38      | 1" SCH 40S   | 2,54        |               | ▪             |               |
| 33,40        | 4,55      | 1" SCH 80S   | 3,29        |               | ▪             | ▪             |
| 33,70        | 2,00      |  | 1,59        | ▪             |               | ▪             |
| 33,70        | 2,60      |  | 2,02        |               |               | ▪             |
| 33,70        | 3,20      |  | 2,44        | ▪             |               | ▪             |
| 33,70        | 3,60      |  | 2,71        |               |               | ▪             |
| 33,70        | 4,05      |  | 3,01        |               |               | ▪             |
| 38,00        | 2,00      |  | 1,80        |               |               | ▪             |
| 38,00        | 3,00      |  | 2,63        |               |               | ▪             |
| 38,00        | 4,00      |  | 3,41        |               |               | ▪             |
| 38,00        | 5,00      |  | 4,13        |               |               | ▪             |
| 40,00        | 2,00      |  | 1,90        |               |               | ▪             |
| 40,00        | 5,00      |  | 4,38        |               |               | ▪             |
| 42,20        | 2,77      | 1 1/4" SCH 10S                                     | 2,73        |               |               | ▪             |

\* Uitvoeringen zie pagina 115

| Uitwendige-Ø | Wanddikte | Uitwendige buisdiameter en wanddiktes volgens ASME | Theor. Gew. | W.-Nr. 1.4841 | W.-Nr. 1.4845 | W.-Nr. 1.4878 |
|--------------|-----------|--|-------------|---------------|---------------|---------------|
| mm           | mm        |  | kg/m        | AISI 314 *)   | AISI 310S *)  | AISI 321H *)  |
| 42,20        | 3,56      | 1 1/4" SCH 40S                                     | 3,44        |               | ▪             | ▪             |
| 42,20        | 4,85      | 1 1/4" SCH 80S                                     | 4,53        |               | ▪             |               |
| 42,40        | 2,00      |  | 2,02        |               |               | ▪             |
| 42,40        | 2,60      |  | 2,59        |               |               | ▪             |
| 42,40        | 3,20      |  | 3,14        | ▪             |               | ▪             |
| 42,40        | 4,05      |  | 3,89        |               |               | ▪             |
| 48,30        | 2,00      |  | 2,32        |               |               | ▪             |
| 48,30        | 2,60      |  | 2,98        |               |               | ▪             |
| 48,30        | 2,77      | 1 1/2" SCH 10S                                     | 3,16        |               |               | ▪             |
| 48,30        | 3,20      |  | 3,61        | ▪             |               | ▪             |
| 48,30        | 3,68      | 1 1/2" SCH 40S                                     | 4,11        |               | ▪             | ▪             |
| 48,30        | 4,00      |  | 4,44        | ▪             |               |               |
| 48,30        | 4,05      |  | 4,49        |               |               | ▪             |
| 48,30        | 5,08      | 1 1/2" SCH 80S                                     | 5,49        |               | ▪             | ▪             |
| 50,00        | 2,00      |  | 2,40        |               |               | ▪             |
| 50,00        | 5,00      |  | 5,63        |               |               | ▪             |
| 57,00        | 2,60      |  | 3,54        |               |               | ▪             |
| 57,00        | 2,90      |  | 3,93        |               |               | ▪             |
| 60,30        | 2,00      |  | 2,92        |               |               | ▪             |
| 60,30        | 2,60      |  | 3,76        |               |               | ▪             |
| 60,30        | 2,90      |  | 4,17        |               |               | ▪             |
| 60,30        | 3,00      |  | 4,30        | ▪             |               |               |
| 60,30        | 3,20      |  | 4,58        |               |               | ▪             |
| 60,30        | 3,60      |  | 5,11        | ▪             |               |               |
| 60,30        | 3,91      | 2" SCH 40S   | 5,52        |               | ▪             | ▪             |
| 60,30        | 4,00      |  | 5,64        | ▪             |               |               |
| 60,30        | 4,50      |  | 6,29        |               |               | ▪             |
| 60,30        | 5,54      | 2" SCH 80S   | 7,60        |               | ▪             | ▪             |
| 60,30        | 8,74      | 2" SCH 160   | 11,29       |               |               | ▪             |
| 70,00        | 5,00      |  | 8,14        |               |               | ▪             |
| 73,00        | 3,05      | 2 1/2" SCH 10S                                     | 5,34        |               | ▪             |               |
| 73,00        | 5,16      | 2 1/2" SCH 40S                                     | 8,77        |               | ▪             | ▪             |
| 73,00        | 7,01      | 2 1/2" SCH 80S                                     | 11,59       |               |               | ▪             |
| 76,10        | 2,00      |  | 3,71        |               |               | ▪             |
| 76,10        | 2,90      |  | 5,32        |               |               | ▪             |
| 76,10        | 3,00      |  | 5,49        | ▪             |               |               |
| 76,10        | 3,20      |  | 5,84        |               |               | ▪             |
| 76,10        | 3,60      |  | 6,54        | ▪             |               | ▪             |

\* Uitvoeringen zie pagina 115

| Uitwendige-Ø<br>mm | Wanddikte<br>mm | Uitwendige<br>buisdiameter<br>en wanddiktes<br>volgens<br>ASME | Theor.<br>Gew.<br>kg/m | W.-Nr.<br>1.4841<br><br>AISI<br>314<br>(*) | W.-Nr.<br>1.4845<br><br>AISI<br>310S<br>(*) | W.-Nr.<br>1.4878<br><br>AISI<br>321H<br>(*) |
|--------------------|-----------------|--|------------------------|--|---|---|
| 76,10              | 4,50            |  | 8,07                   |  | ▪   | ▪   |
| 76,10              | 6,30            |  | 11,01                  |  |   | ▪   |
| 88,90              | 2,60            |  | 5,62                   |  |   | ▪   |
| 88,90              | 2,90            |  | 6,24                   |  |   | ▪   |
| 88,90              | 3,00            |  | 6,45                   | ▪  |   |   |
| 88,90              | 3,20            |  | 6,49                   |  |   | ▪   |
| 88,90              | 3,60            |  | 7,69                   |  |   | ▪   |
| 88,90              | 4,00            |  | 8,50                   | ▪  |   |   |
| 88,90              | 4,05            |  | 8,60                   |  | ▪   | ▪   |
| 88,90              | 5,49            | 3" SCH 40S   | 11,47                  | ▪  | ▪   | ▪   |
| 88,90              | 7,62            | 3" SCH 80S   | 15,51                  |  |   | ▪   |
| 101,60             | 3,05            | 3 1/2" SCH 10S   | 7,53                   |  |   | ▪   |
| 101,60             | 4,00            |  | 9,78                   | ▪  | ▪   |   |
| 101,60             | 4,05            |  | 9,89                   |  |   | ▪   |
| 101,60             | 5,74            | 3 1/2" SCH 40S   | 13,78                  |  | ▪   | ▪   |
| 108,00             | 3,00            |  | 7,89                   |  |   | ▪   |
| 108,00             | 4,00            |  | 10,42                  |  |   | ▪   |
| 114,30             | 2,60            |  | 7,27                   |  |   | ▪   |
| 114,30             | 3,00            |  | 8,36                   | ▪  |   |   |
| 114,30             | 3,05            | 4" SCH 10S   | 8,50                   |  |   | ▪   |
| 114,30             | 3,60            |  | 9,98                   |  |   | ▪   |
| 114,30             | 4,50            |  | 12,37                  |  | ▪   |   |
| 114,30             | 6,02            | 4" SCH 40S   | 16,32                  | ▪  | ▪   | ▪   |
| 114,30             | 8,56            | 4" SCH 80S   | 22,66                  |  |   | ▪   |
| 121,00             | 4,00            |  | 11,72                  |  |   | ▪   |
| 133,00             | 4,00            |  | 12,92                  | ▪  |   | ▪   |
| 139,70             | 4,00            |  | 13,59                  | ▪  |   | ▪   |
| 139,70             | 5,00            |  | 16,86                  |  | ▪   |   |
| 141,30             | 6,55            | 5" SCH 40S   | 22,10                  |  | ▪   | ▪   |
| 141,30             | 9,53            | 5" SCH 80S   | 31,44                  |  |   | ▪   |
| 159,00             | 4,50            |  | 17,41                  |  |   | ▪   |
| 168,30             | 3,40            | 6" SCH 10S   | 14,04                  |  |   | ▪   |
| 168,30             | 4,50            |  | 18,46                  | ▪  | ▪   | ▪   |
| 168,30             | 5,00            |  | 20,45                  |  |   | ▪   |
| 168,30             | 7,11            | 6" SCH 40S   | 28,70                  |  | ▪   | ▪   |
| 168,30             | 10,97           | 6" SCH 80S   | 43,22                  |  |   | ▪   |
| 219,10             | 6,35            | 8" SCH 20  | 33,57                  |  | ▪   | ▪   |
| 219,10             | 8,18            | 8" SCH 40S   | 43,20                  |  |   | ▪   |
| 219,10             | 12,70           | 8" SCH 80S   | 65,64                  |  | ▪   | ▪   |

\* Uitvoeringen zie pagina 115

| Uitwendige-Ø | Wand-dikte | Theor. Gew. | W.-Nr. 1.4301 | W.-Nr. 1.4307 | W.-Nr. 1.4541 | W.-Nr. 1.4571 |
|--------------|------------|-------------|---------------|---------------|---------------|---------------|
| mm           | mm         | kg/m        | ASI 304 *)    | ASI 304L *)   | ASI 321 *)    | ASI 316Ti *)  |
| 6,00         | 1,00       | 0,13        | ▪             | ▪             | ▪             | ▪             |
| 6,00         | 1,50       | 0,17        | ▪             | ▪             | ▪             | ▪             |
| 8,00         | 1,00       | 0,18        | ▪             | ▪             | ▪             | ▪             |
| 8,00         | 1,50       | 0,24        | ▪             | ▪             | ▪             | ▪             |
| 10,00        | 1,00       | 0,23        | ▪             | ▪             | ▪             | ▪             |
| 10,00        | 1,50       | 0,32        | ▪             | ▪             | ▪             | ▪             |
| 10,00        | 2,00       | 0,40        | ▪             | ▪             | ▪             | ▪             |
| 12,00        | 1,00       | 0,28        | ▪             | ▪             | ▪             | ▪             |
| 12,00        | 1,50       | 0,39        | ▪             | ▪             | ▪             | ▪             |
| 12,00        | 2,00       | 0,50        | ▪             | ▪             | ▪             | ▪             |
| 14,00        | 2,00       | 0,60        | ▪             | ▪             | ▪             | ▪             |
| 14,00        | 2,50       | 0,72        |               |               |               | ▪             |
| 15,00        | 1,50       | 0,51        | ▪             | ▪             |               | ▪             |
| 15,00        | 2,00       | 0,65        | ▪             | ▪             | ▪             | ▪             |
| 16,00        | 1,50       | 0,54        | ▪             | ▪             |               |               |
| 16,00        | 2,00       | 0,70        | ▪             | ▪             | ▪             | ▪             |
| 16,00        | 2,50       | 0,85        |               |               | ▪             |               |
| 16,00        | 3,00       | 0,98        | ▪             | ▪             | ▪             | ▪             |
| 17,20        | 2,00       | 0,76        |               |               | ▪             |               |
| 18,00        | 1,50       | 0,62        | ▪             | ▪             | ▪             | ▪             |
| 18,00        | 2,00       | 0,80        | ▪             | ▪             | ▪             | ▪             |
| 18,00        | 2,50       | 0,97        |               |               |               | ▪             |
| 20,00        | 2,00       | 0,90        | ▪             | ▪             | ▪             | ▪             |
| 20,00        | 2,50       | 2,10        | ▪             | ▪             | ▪             | ▪             |
| 20,00        | 3,00       | 1,28        | ▪             | ▪             | ▪             | ▪             |
| 21,30        | 3,20       | 1,45        |               |               |               | ▪             |
| 22,00        | 1,50       | 0,77        | ▪             | ▪             | ▪             | ▪             |
| 22,00        | 2,00       | 1,00        | ▪             | ▪             | ▪             | ▪             |
| 25,00        | 2,00       | 1,15        | ▪             | ▪             | ▪             | ▪             |
| 25,00        | 2,50       | 1,41        | ▪             | ▪             | ▪             |               |
| 25,00        | 3,00       | 1,65        | ▪             | ▪             | ▪             | ▪             |
| 28,00        | 1,50       | 1,00        | ▪             | ▪             | ▪             |               |
| 28,00        | 2,00       | 1,30        | ▪             | ▪             | ▪             | ▪             |
| 30,00        | 2,00       | 1,40        | ▪             | ▪             |               |               |
| 30,00        | 2,50       | 1,72        | ▪             | ▪             | ▪             |               |
| 30,00        | 3,00       | 2,03        | ▪             | ▪             | ▪             | ▪             |
| 30,00        | 4,00       | 2,60        | ▪             | ▪             | ▪             | ▪             |
| 30,00        | 5,00       | 3,13        |               |               |               | ▪             |
| 35,00        | 2,00       | 1,65        | ▪             | ▪             | ▪             | ▪             |

\* Uitvoeringen zie pagina 115



| Uitwendige-Ø | Wanddikte | Theor. Gew. | W.-Nr. 1.4301 | W.-Nr. 1.4307 | W.-Nr. 1.4541 | W.-Nr. 1.4571 |
|--------------|-----------|-------------|---------------|---------------|---------------|---------------|
| mm           | mm        | kg/m        | ASI 304 *)    | ASI 304L *)   | ASI 321 *)    | ASI 316Ti *)  |
| 35,00        | 3,00      | 2,40        |               |               |               | ▪             |
| 38,00        | 2,00      | 1,80        | ▪             | ▪             | ▪             | ▪             |
| 38,00        | 4,00      | 3,41        |               |               | ▪             |               |
| 38,00        | 5,00      | 4,13        | ▪             | ▪             | ▪             |               |
| 42,00        | 2,00      | 2,00        | ▪             | ▪             |               | ▪             |
| 42,00        | 3,00      | 2,93        | ▪             | ▪             | ▪             |               |
| 42,40        | 2,60      | 2,59        |               |               |               | ▪             |
| 48,30        | 2,60      | 2,98        |               |               |               | ▪             |
| 57,00        | 2,00      | 2,75        |               |               |               | ▪             |
| 57,00        | 2,90      | 3,93        |               |               | ▪             |               |
| 60,30        | 4,00      | 5,64        |               |               |               | ▪             |
| 88,90        | 4,50      | 9,51        |               |               |               | ▪             |

\* Uitvoeringen zie pagina 115



| Uitwendige-Ø | Wanddikte | Theor. Gew. | W.-Nr. 1.4301 | W.-Nr. 1.4307 | W.-Nr. 1.4541 | W.-Nr. 1.4571 |
|--------------|-----------|-------------|---------------|---------------|---------------|---------------|
| mm           | mm        | kg/m        | ASI 304 *)    | ASI 304L *)   | ASI 321 *)    | ASI 316Ti *)  |
| 6,00         | 1,00      | 0,13        | ▪             | ▪             | ▪             | ▪             |
| 6,00         | 1,50      | 0,17        |               |               |               | ▪             |
| 8,00         | 1,00      | 0,18        | ▪             | ▪             | ▪             | ▪             |
| 8,00         | 1,50      | 0,24        | ▪             | ▪             |               | ▪             |
| 10,00        | 1,00      | 0,23        | ▪             | ▪             | ▪             | ▪             |
| 10,00        | 1,50      | 0,32        | ▪             | ▪             | ▪             | ▪             |
| 10,00        | 2,00      | 0,40        | ▪             | ▪             | ▪             | ▪             |
| 12,00        | 1,00      | 0,28        | ▪             | ▪             | ▪             | ▪             |
| 12,00        | 1,50      | 0,39        | ▪             | ▪             | ▪             | ▪             |
| 12,00        | 2,00      | 0,50        | ▪             | ▪             | ▪             | ▪             |
| 14,00        | 2,00      | 0,60        |               |               |               | ▪             |
| 14,00        | 2,50      | 0,72        | ▪             | ▪             |               |               |
| 15,00        | 1,00      | 0,35        | ▪             | ▪             |               | ▪             |
| 15,00        | 1,50      | 0,51        | ▪             | ▪             | ▪             | ▪             |
| 15,00        | 2,00      | 0,65        | ▪             | ▪             |               | ▪             |
| 16,00        | 1,50      | 0,54        | ▪             | ▪             | ▪             |               |
| 16,00        | 2,00      | 0,70        | ▪             | ▪             | ▪             | ▪             |
| 18,00        | 1,50      | 0,62        | ▪             | ▪             | ▪             | ▪             |
| 18,00        | 2,00      | 0,80        | ▪             | ▪             | ▪             | ▪             |
| 18,00        | 2,50      | 0,97        | ▪             | ▪             |               | ▪             |
| 20,00        | 1,00      | 0,48        | ▪             | ▪             |               |               |
| 20,00        | 1,50      | 0,69        | ▪             | ▪             |               | ▪             |
| 20,00        | 2,00      | 0,90        | ▪             | ▪             | ▪             | ▪             |
| 21,30        | 2,00      | 0,97        | ▪             | ▪             | ▪             | ▪             |
| 21,30        | 2,60      | 1,22        | ▪             | ▪             |               | ▪             |
| 22,00        | 1,50      | 0,77        | ▪             | ▪             |               | ▪             |
| 22,00        | 2,00      | 1,00        | ▪             | ▪             |               | ▪             |
| 22,00        | 4,00      | 1,80        | ▪             | ▪             |               |               |
| 25,00        | 1,50      | 0,88        | ▪             | ▪             |               |               |
| 25,00        | 2,00      | 1,15        | ▪             | ▪             | ▪             | ▪             |
| 28,00        | 1,50      | 1,00        | ▪             | ▪             | ▪             |               |
| 28,00        | 2,00      | 1,30        | ▪             | ▪             | ▪             | ▪             |
| 33,70        | 2,00      | 1,59        |               |               |               | ▪             |
| 42,00        | 2,00      | 2,00        | ▪             | ▪             |               |               |
| 42,40        | 2,00      | 2,02        |               |               |               | ▪             |

\* Uitvoeringen zie pagina 115

| Uitwendige-Ø | Wanddikte | Uitwendige buisdiameter en wanddiktes volgens ASME | Theor. Gew. | W.-Nr. 1.4301 | W.-Nr. 1.4307 | W.-Nr. 1.4404 | W.-Nr. 1.4541 | W.-Nr. 1.4571 |
|--------------|-----------|--|-------------|---------------|---------------|---------------|---------------|---------------|
| mm           | mm        |  | kg/m        | AISI 304 *)   | AISI 304L *)  | AISI 316L *)  | AISI 321 *)   | AISI 316Ti *) |
| 5,00         | 0,75      |  | 0,08        | ▪             | ▪             |               |               |               |
| 8,00         | 1,00      |  | 0,18        | ▪             | ▪             |               |               |               |
| 8,00         | 1,50      |  | 0,24        | ▪             | ▪             |               |               |               |
| 10,00        | 1,00      |  | 0,23        | ▪             | ▪             |               |               | ▪             |
| 10,00        | 1,50      |  | 0,32        | ▪             | ▪             |               |               |               |
| 12,00        | 1,00      |  | 0,28        | ▪             | ▪             |               |               | ▪             |
| 14,00        | 1,00      |  | 0,33        |               |               |               |               | ▪             |
| 14,00        | 1,50      |  | 0,47        | ▪             | ▪             |               |               | ▪             |
| 15,00        | 1,50      |  | 0,51        | ▪             | ▪             |               |               | ▪             |
| 16,00        | 1,50      |  | 0,54        | ▪             | ▪             |               |               | ▪             |
| 17,20        | 1,60      |  | 0,62        | ▪             | ▪             | ▪             |               |               |
| 17,20        | 2,00      |  | 0,76        | ▪             | ▪             | ▪             |               |               |
| 17,20        | 2,30      |  | 0,86        | ▪             | ▪             | ▪             |               | ▪             |
| 18,00        | 1,50      |  | 0,62        | ▪             | ▪             |               |               | ▪             |
| 20,00        | 1,00      |  | 0,48        | ▪             | ▪             |               |               | ▪             |
| 20,00        | 1,50      |  | 0,69        | ▪             | ▪             | ▪             |               | ▪             |
| 20,00        | 2,00      |  | 0,90        | ▪             | ▪             |               |               | ▪             |
| 21,30        | 1,60      |  | 0,79        | ▪             | ▪             | ▪             |               | ▪             |
| 21,30        | 2,00      |  | 0,97        | ▪             | ▪             | ▪             | ▪             | ▪             |
| 21,30        | 2,60      |  | 1,22        | ▪             | ▪             | ▪             | ▪             | ▪             |
| 21,34        | 2,11      | 1/2" SCH 10S                                       | 1,02        | ▪             | ▪             |               |               |               |
| 22,00        | 1,00      |  | 0,53        | ▪             | ▪             |               |               |               |
| 22,00        | 1,50      |  | 0,77        | ▪             | ▪             | ▪             |               |               |
| 22,00        | 2,00      |  | 1,00        | ▪             | ▪             |               |               |               |
| 23,00        | 1,50      |  | 0,81        | ▪             | ▪             | ▪             |               | ▪             |
| 25,00        | 1,50      |  | 0,88        | ▪             | ▪             | ▪             |               |               |
| 25,00        | 2,00      |  | 1,15        | ▪             | ▪             | ▪             |               |               |
| 26,90        | 1,60      |  | 1,01        | ▪             | ▪             | ▪             |               | ▪             |
| 26,90        | 2,00      |  | 1,25        | ▪             | ▪             | ▪             | ▪             | ▪             |
| 26,90        | 2,60      |  | 1,58        | ▪             | ▪             | ▪             | ▪             | ▪             |
| 28,00        | 1,50      |  | 1,00        | ▪             | ▪             | ▪             |               | ▪             |
| 28,00        | 2,00      |  | 1,30        | ▪             | ▪             | ▪             |               |               |
| 30,00        | 1,50      |  | 1,07        | ▪             | ▪             | ▪             |               |               |
| 30,00        | 2,00      |  | 1,40        | ▪             | ▪             | ▪             |               | ▪             |
| 30,00        | 2,60      |  | 1,78        |               |               | ▪             |               |               |
| 30,00        | 3,00      |  | 2,03        |               |               |               |               | ▪             |
| 32,00        | 1,50      |  | 1,15        | ▪             | ▪             | ▪             |               |               |
| 32,00        | 2,00      |  | 1,50        | ▪             | ▪             | ▪             |               |               |

\* Uitvoeringen zie pagina 115

| Uitwendige-Ø | Wanddikte | Uitwendige buisdiameter en wanddiktes volgens ASME | Theor. Gew. | W.-Nr. 1.4301 | W.-Nr. 1.4307 | W.-Nr. 1.4404 | W.-Nr. 1.4541 | W.-Nr. 1.4571 |
|--------------|-----------|--|-------------|---------------|---------------|---------------|---------------|---------------|
| mm           | mm        |  | kg/m        | AISI 304 *)   | AISI 304L *)  | AISI 316L *)  | AISI 321 *)   | AISI 316Ti *) |
| 33,00        | 1,50      |  | 1,18        | ▪             | ▪             | ▪             |               |               |
| 33,70        | 1,60      |  | 1,29        | ▪             | ▪             | ▪             |               | ▪             |
| 33,70        | 2,00      |  | 1,59        | ▪             | ▪             | ▪             | ▪             | ▪             |
| 33,70        | 2,60      |  | 2,02        | ▪             | ▪             | ▪             | ▪             | ▪             |
| 33,70        | 3,20      |  | 2,44        | ▪             | ▪             | ▪             |               | ▪             |
| 34,00        | 1,50      |  | 1,22        | ▪             | ▪             | ▪             |               |               |
| 35,00        | 1,50      |  | 1,26        |               |               | ▪             |               |               |
| 35,00        | 2,00      |  | 1,65        | ▪             | ▪             | ▪             |               | ▪             |
| 38,10        | 1,50      |  | 1,37        |               |               | ▪             |               |               |
| 38,10        | 2,00      |  | 1,80        | ▪             | ▪             | ▪             |               |               |
| 40,00        | 1,50      |  | 1,45        | ▪             | ▪             | ▪             |               |               |
| 40,00        | 2,00      |  | 1,90        | ▪             | ▪             | ▪             |               | ▪             |
| 42,40        | 1,60      |  | 1,63        | ▪             | ▪             | ▪             |               | ▪             |
| 42,40        | 2,00      |  | 2,02        | ▪             | ▪             | ▪             | ▪             | ▪             |
| 42,40        | 2,60      |  | 2,59        | ▪             | ▪             |               | ▪             | ▪             |
| 42,40        | 3,00      |  | 2,96        | ▪             | ▪             |               |               |               |
| 42,40        | 3,20      |  | 3,14        | ▪             | ▪             | ▪             |               | ▪             |
| 42,40        | 4,00      |  | 3,85        | ▪             | ▪             |               |               |               |
| 43,00        | 1,50      |  | 1,56        | ▪             | ▪             | ▪             |               | ▪             |
| 44,00        | 1,50      |  | 1,60        |               |               | ▪             |               |               |
| 44,50        | 2,00      |  | 2,13        | ▪             | ▪             | ▪             |               |               |
| 44,50        | 2,60      |  | 2,73        | ▪             | ▪             |               |               |               |
| 48,30        | 1,60      |  | 1,87        | ▪             | ▪             | ▪             |               | ▪             |
| 48,30        | 2,00      |  | 2,32        | ▪             | ▪             | ▪             | ▪             | ▪             |
| 48,30        | 2,60      |  | 2,98        | ▪             | ▪             | ▪             | ▪             | ▪             |
| 48,30        | 3,20      |  | 3,61        | ▪             | ▪             | ▪             | ▪             | ▪             |
| 48,30        | 3,60      |  | 4,03        | ▪             | ▪             |               |               |               |
| 48,30        | 4,00      |  | 4,44        | ▪             | ▪             |               |               |               |
| 50,00        | 1,50      |  | 1,82        | ▪             | ▪             | ▪             |               |               |
| 50,00        | 2,00      |  | 2,40        | ▪             | ▪             | ▪             |               |               |
| 50,80        | 1,50      |  | 1,85        |               |               | ▪             |               |               |
| 50,80        | 2,00      |  | 2,44        | ▪             | ▪             | ▪             |               |               |
| 52,00        | 1,50      |  | 1,90        | ▪             | ▪             | ▪             |               |               |
| 52,00        | 2,00      |  | 2,50        | ▪             | ▪             | ▪             |               |               |
| 53,00        | 1,50      |  | 1,93        | ▪             | ▪             | ▪             |               |               |
| 54,00        | 2,00      |  | 2,60        | ▪             | ▪             | ▪             |               | ▪             |
| 57,00        | 2,00      |  | 2,75        | ▪             | ▪             |               |               |               |
| 57,00        | 3,00      |  | 4,07        |               |               | ▪             |               |               |

\* Uitvoeringen zie pagina 115

| Uitwendige-Ø | Wanddikte | Uitwendige buisdiameter en wanddiktes volgens ASME | Theor. Gew. | W.-Nr. 1.4301 | W.-Nr. 1.4307 | W.-Nr. 1.4404 | W.-Nr. 1.4541 | W.-Nr. 1.4571 |
|--------------|-----------|--|-------------|---------------|---------------|---------------|---------------|---------------|
| mm           | mm        |  | kg/m        | AISI 304 *)   | AISI 304L *)  | AISI 316L *)  | AISI 321 *)   | AISI 316Ti *) |
| 60,30        | 1,60      |  | 2,35        |               |               | ▪             |               | ▪             |
| 60,30        | 2,00      |  | 2,92        | ▪             | ▪             | ▪             | ▪             | ▪             |
| 60,30        | 2,60      |  | 3,76        | ▪             | ▪             | ▪             | ▪             | ▪             |
| 60,30        | 3,00      |  | 4,30        | ▪             | ▪             | ▪             | ▪             | ▪             |
| 60,30        | 3,20      |  | 4,58        | ▪             | ▪             |               |               | ▪             |
| 60,30        | 3,60      |  | 5,11        | ▪             | ▪             | ▪             |               | ▪             |
| 60,30        | 4,00      |  | 5,64        |               |               |               |               | ▪             |
| 63,50        | 1,50      |  | 2,33        | ▪             | ▪             |               |               |               |
| 63,50        | 2,00      |  | 3,08        | ▪             | ▪             |               |               |               |
| 70,00        | 1,50      |  | 2,57        | ▪             | ▪             |               |               |               |
| 70,00        | 2,00      |  | 3,41        | ▪             | ▪             |               |               | ▪             |
| 70,00        | 2,90      |  | 4,87        |               |               |               |               |               |
| 70,00        | 3,00      |  | 5,03        |               |               |               |               | ▪             |
| 73,00        | 1,50      |  | 2,69        | ▪             | ▪             | ▪             |               |               |
| 76,10        | 1,60      |  | 2,98        | ▪             | ▪             | ▪             |               |               |
| 76,10        | 2,00      |  | 3,71        | ▪             | ▪             | ▪             | ▪             | ▪             |
| 76,10        | 2,30      |  | 4,25        |               |               | ▪             |               | ▪             |
| 76,10        | 2,60      |  | 4,79        | ▪             | ▪             | ▪             | ▪             | ▪             |
| 76,10        | 3,00      |  | 5,49        | ▪             | ▪             | ▪             |               | ▪             |
| 76,10        | 3,20      |  | 5,84        | ▪             | ▪             |               |               | ▪             |
| 76,10        | 3,60      |  | 6,54        | ▪             | ▪             | ▪             |               | ▪             |
| 76,10        | 4,00      |  | 7,22        |               |               |               |               | ▪             |
| 80,00        | 1,50      |  | 2,95        | ▪             | ▪             |               |               |               |
| 80,00        | 2,00      |  | 3,91        | ▪             | ▪             |               |               |               |
| 84,00        | 2,00      |  | 4,11        | ▪             | ▪             | ▪             |               | ▪             |
| 85,00        | 1,50      |  | 3,14        | ▪             | ▪             |               |               |               |
| 85,00        | 2,00      |  | 4,16        | ▪             | ▪             |               |               |               |
| 88,90        | 2,00      |  | 4,35        | ▪             | ▪             | ▪             | ▪             | ▪             |
| 88,90        | 2,30      |  | 4,99        |               |               | ▪             |               | ▪             |
| 88,90        | 2,60      |  | 5,62        | ▪             | ▪             | ▪             | ▪             | ▪             |
| 88,90        | 2,90      |  | 6,24        |               |               |               |               | ▪             |
| 88,90        | 3,00      |  | 6,45        | ▪             | ▪             | ▪             | ▪             | ▪             |
| 88,90        | 3,20      |  | 6,87        | ▪             | ▪             |               |               | ▪             |
| 88,90        | 4,00      |  | 8,50        |               |               |               |               | ▪             |
| 101,60       | 2,00      |  | 4,99        | ▪             | ▪             | ▪             | ▪             | ▪             |
| 101,60       | 3,00      |  | 7,41        | ▪             | ▪             | ▪             |               |               |
| 104,00       | 2,00      |  | 5,11        | ▪             | ▪             | ▪             |               | ▪             |
| 108,00       | 2,00      |  | 5,31        | ▪             | ▪             | ▪             |               |               |

\* Uitvoeringen zie pagina 115

| Uitwendige-Ø | Wanddikte | Uitwendige buisdiameter en wanddiktes volgens ASME | Theor. Gew. | W.-Nr. 1.4301 | W.-Nr. 1.4307 | W.-Nr. 1.4404 | W.-Nr. 1.4541 | W.-Nr. 1.4571 |
|--------------|-----------|--|-------------|---------------|---------------|---------------|---------------|---------------|
| mm           | mm        |  | kg/m        | AISI 304 *)   | AISI 304L *)  | AISI 316L *)  | AISI 321 *)   | AISI 316Ti *) |
| 108,00       | 3,00      |  | 7,89        | ▪             | ▪             | ▪             |               |               |
| 108,00       | 4,00      |  | 10,42       |               |               | ▪             |               |               |
| 114,30       | 1,50      |  | 4,24        |               |               | ▪             |               |               |
| 114,30       | 2,00      |  | 5,62        | ▪             | ▪             | ▪             | ▪             | ▪             |
| 114,30       | 2,60      |  | 7,27        | ▪             | ▪             | ▪             | ▪             | ▪             |
| 114,30       | 3,00      |  | 8,36        | ▪             | ▪             | ▪             | ▪             | ▪             |
| 114,30       | 3,20      |  | 8,90        | ▪             | ▪             |               |               |               |
| 114,30       | 3,60      |  | 9,98        | ▪             | ▪             | ▪             | ▪             | ▪             |
| 114,30       | 4,00      |  | 11,05       |               |               |               |               | ▪             |
| 129,00       | 2,00      |  | 6,36        | ▪             | ▪             |               |               | ▪             |
| 133,00       | 2,00      |  | 6,56        | ▪             | ▪             |               |               |               |
| 133,00       | 3,00      |  | 9,77        | ▪             | ▪             |               |               | ▪             |
| 133,00       | 4,00      |  | 12,92       | ▪             | ▪             |               |               |               |
| 139,70       | 2,00      |  | 6,90        | ▪             | ▪             |               | ▪             | ▪             |
| 139,70       | 2,60      |  | 8,93        | ▪             | ▪             | ▪             | ▪             | ▪             |
| 139,70       | 3,00      |  | 10,27       | ▪             | ▪             |               | ▪             | ▪             |
| 139,70       | 4,00      |  | 13,59       |               |               |               | ▪             | ▪             |
| 154,00       | 2,00      |  | 7,61        | ▪             | ▪             |               |               | ▪             |
| 159,00       | 2,00      |  | 7,86        | ▪             | ▪             |               |               | ▪             |
| 159,00       | 3,00      |  | 11,72       | ▪             | ▪             |               | ▪             | ▪             |
| 159,00       | 4,00      |  | 15,52       |               |               | ▪             |               |               |
| 168,30       | 2,00      |  | 8,33        | ▪             | ▪             | ▪             | ▪             | ▪             |
| 168,30       | 2,60      |  | 10,79       | ▪             | ▪             | ▪             | ▪             | ▪             |
| 168,30       | 3,00      |  | 12,42       | ▪             | ▪             |               | ▪             | ▪             |
| 168,30       | 4,00      |  | 16,46       |               |               |               | ▪             | ▪             |
| 168,30       | 5,00      |  | 20,45       |               |               |               | ▪             | ▪             |
| 204,00       | 2,00      |  | 10,12       | ▪             | ▪             |               |               | ▪             |
| 205,00       | 2,50      |  | 12,68       |               |               |               |               | ▪             |
| 206,00       | 3,00      |  | 15,25       | ▪             | ▪             |               |               | ▪             |
| 219,10       | 2,00      |  | 10,87       | ▪             | ▪             | ▪             | ▪             | ▪             |
| 219,10       | 2,60      |  | 14,10       |               |               |               | ▪             | ▪             |
| 219,10       | 3,00      |  | 16,23       | ▪             | ▪             | ▪             | ▪             | ▪             |
| 219,10       | 4,00      |  | 21,54       | ▪             | ▪             | ▪             | ▪             | ▪             |
| 219,10       | 5,00      |  | 26,81       |               |               |               | ▪             | ▪             |
| 219,10       | 6,30      |  | 33,57       |               |               |               |               | ▪             |
| 254,00       | 2,00      |  | 12,62       | ▪             | ▪             | ▪             |               | ▪             |
| 255,00       | 2,50      |  | 15,81       |               |               |               |               | ▪             |
| 256,00       | 3,00      |  | 19,01       | ▪             | ▪             | ▪             |               |               |

\* Uitvoeringen zie pagina 115

| Uitwendige-Ø | Wanddikte | Uitwendige buisdiameter en wanddiktes volgens ASME | Theor. Gew. | W.-Nr. 1.4301 | W.-Nr. 1.4307 | W.-Nr. 1.4404 | W.-Nr. 1.4541 | W.-Nr. 1.4571 |
|--------------|-----------|--|-------------|---------------|---------------|---------------|---------------|---------------|
| mm           | mm        |  | kg/m        | AISI 304 *)   | AISI 304L *)  | AISI 316L *)  | AISI 321 *)   | AISI 316Ti *) |
| 273,00       | 3,00      |  | 20,28       | ▪             | ▪             |               | ▪             | ▪             |
| 273,00       | 4,00      |  | 26,94       |               |               |               | ▪             | ▪             |
| 273,00       | 5,00      |  | 33,56       |               |               |               |               | ▪             |
| 273,00       | 6,00      |  | 40,11       |               |               |               |               | ▪             |
| 273,00       | 6,30      |  | 42,07       |               |               |               |               | ▪             |
| 304,00       | 2,00      |  | 15,12       | ▪             | ▪             |               |               | ▪             |
| 306,00       | 3,00      |  | 22,76       |               |               | ▪             |               | ▪             |
| 323,90       | 3,00      |  | 24,11       | ▪             | ▪             |               | ▪             | ▪             |
| 323,90       | 4,00      |  | 32,04       |               |               |               | ▪             | ▪             |
| 323,90       | 5,00      |  | 39,93       |               |               |               |               | ▪             |
| 323,90       | 6,30      |  | 50,01       |               |               |               |               | ▪             |
| 355,60       | 3,00      |  | 26,49       | ▪             | ▪             |               |               | ▪             |
| 355,60       | 4,00      |  | 35,22       |               |               |               |               | ▪             |
| 406,40       | 3,00      |  | 30,30       | ▪             | ▪             | ▪             |               | ▪             |
| 406,40       | 4,00      |  | 40,30       |               |               |               | ▪             | ▪             |
| 406,40       | 5,00      |  | 50,26       |               |               |               |               | ▪             |
| 508,00       | 3,00      |  | 37,94       |               |               |               |               | ▪             |
| 508,00       | 4,00      |  | 50,48       | ▪             | ▪             |               |               | ▪             |
| 609,60       | 4,00      |  | 60,66       |               |               |               |               | ▪             |

**Leidingpijp | rond** | gelast | niet warmtebehandeld | hoog corrosievast

| Uitwendige-Ø | Wanddikte | Uitwendige buisdiameter en wanddiktes volgens ASME | Theor. Gew. | W.-Nr. 1.4539 |
|--------------|-----------|--|-------------|---------------|
| mm           | mm        |  | kg/m        | AISI 904L *)  |
| 76,10        | 3,00      |  | 5,49        | ▪             |
| 168,30       | 3,00      |  | 12,42       | ▪             |
| 273,00       | 4,00      |  | 26,94       | ▪             |
| 323,90       | 4,00      |  | 32,04       | ▪             |
| 355,60       | 4,00      |  | 35,22       | ▪             |

\* Uitvoeringen zie pagina 115

| Uitwendige-Ø | Wanddikte | Theor. Gew. | W.-Nr. 1.4301<br>AISI 304 *) | W.-Nr. 1.4307<br>AISI 304L *) | W.-Nr. 1.4404<br>AISI 316L *) |
|--------------|-----------|-------------|------------------------------|-------------------------------|-------------------------------|
| mm           | mm        | kg/m        |                              |                               |                               |
| 18,00        | 1,50      | 0,62        | ▪                            | ▪                             | ▪                             |
| 22,00        | 1,50      | 0,77        | ▪                            | ▪                             | ▪                             |
| 28,00        | 1,00      | 0,68        | ▪                            | ▪                             |                               |
| 28,00        | 1,50      | 1,00        | ▪                            | ▪                             | ▪                             |
| 34,00        | 1,00      | 0,83        | ▪                            | ▪                             |                               |
| 34,00        | 1,50      | 1,22        | ▪                            | ▪                             | ▪                             |
| 40,00        | 1,00      | 0,98        | ▪                            | ▪                             | ▪                             |
| 40,00        | 1,50      | 1,45        | ▪                            | ▪                             | ▪                             |
| 52,00        | 1,00      | 1,28        | ▪                            | ▪                             |                               |
| 52,00        | 1,50      | 1,90        | ▪                            | ▪                             | ▪                             |
| 70,00        | 2,00      | 3,41        | ▪                            | ▪                             | ▪                             |
| 85,00        | 2,00      | 4,16        | ▪                            | ▪                             | ▪                             |
| 104,00       | 2,00      | 5,11        | ▪                            | ▪                             | ▪                             |
| 129,00       | 2,00      | 6,36        | ▪                            | ▪                             | ▪                             |
| 154,00       | 2,00      | 7,61        | ▪                            | ▪                             | ▪                             |

\* Uitvoeringen zie pagina 115





| Uitwendige-Ø | Wanddikte | Uitwendige buisdiameter en wanddiktes volgens ASME | Theor. Gew. | W.-Nr. 1.4301 | W.-Nr. 1.4307 | W.-Nr. 1.4404 | W.-Nr. 1.4541 | W.-Nr. 1.4571 |
|--------------|-----------|--|-------------|---------------|---------------|---------------|---------------|---------------|
| mm           | mm        |  | kg/m        | AISI 304 *)   | AISI 304L *)  | AISI 316L *)  | AISI 321 *)   | AISI 316Ti *) |
| 6,00         | 1,00      |  | 0,13        |               |               |               | ▪             | ▪             |
| 8,00         | 1,00      |  | 0,18        | ▪             | ▪             |               | ▪             | ▪             |
| 10,00        | 1,00      |  | 0,23        | ▪             | ▪             |               | ▪             | ▪             |
| 10,00        | 1,50      |  | 0,32        | ▪             | ▪             |               |               |               |
| 12,00        | 1,00      |  | 0,28        | ▪             | ▪             |               | ▪             | ▪             |
| 12,00        | 1,50      |  | 0,39        | ▪             | ▪             |               | ▪             | ▪             |
| 14,00        | 1,00      |  | 0,33        | ▪             | ▪             |               |               | ▪             |
| 14,00        | 1,50      |  | 0,47        | ▪             | ▪             |               | ▪             | ▪             |
| 14,00        | 2,00      |  | 0,60        |               |               |               |               | ▪             |
| 15,00        | 1,00      |  | 0,35        | ▪             | ▪             |               |               | ▪             |
| 15,00        | 1,50      |  | 0,51        | ▪             | ▪             |               | ▪             | ▪             |
| 15,00        | 2,00      |  | 0,65        |               |               |               |               | ▪             |
| 16,00        | 1,00      |  | 0,38        | ▪             | ▪             |               |               | ▪             |
| 16,00        | 1,50      |  | 0,54        |               |               |               | ▪             | ▪             |
| 16,00        | 2,00      |  | 0,70        | ▪             | ▪             |               |               |               |
| 17,20        | 1,60      |  | 0,62        |               |               | ▪             |               |               |
| 17,20        | 2,00      |  | 0,76        |               |               |               |               | ▪             |
| 17,20        | 2,30      |  | 0,86        |               |               |               |               | ▪             |
| 18,00        | 1,00      |  | 0,43        | ▪             | ▪             |               | ▪             | ▪             |
| 18,00        | 1,50      |  | 0,62        |               |               |               | ▪             | ▪             |
| 18,00        | 2,00      |  | 0,80        | ▪             | ▪             |               |               | ▪             |
| 20,00        | 1,00      |  | 0,48        | ▪             | ▪             |               |               | ▪             |
| 20,00        | 1,50      |  | 0,69        | ▪             | ▪             |               |               | ▪             |
| 20,00        | 2,00      |  | 0,90        | ▪             | ▪             |               | ▪             | ▪             |
| 21,30        | 1,60      |  | 0,79        |               |               | ▪             |               | ▪             |
| 21,30        | 2,00      |  | 0,97        | ▪             | ▪             | ▪             | ▪             | ▪             |
| 21,30        | 2,11      | 1/2" SCH 10S                                       | 1,02        | ▪             | ▪             |               |               |               |
| 21,30        | 2,60      |  | 1,22        | ▪             | ▪             |               |               | ▪             |
| 21,30        | 2,77      | 1/2" SCH 40S                                       | 1,29        | ▪             | ▪             |               |               |               |
| 22,00        | 1,00      |  | 0,53        | ▪             | ▪             |               |               |               |
| 25,00        | 1,00      |  | 0,60        | ▪             | ▪             |               |               | ▪             |
| 25,00        | 1,50      |  | 0,88        |               |               |               |               | ▪             |
| 25,00        | 2,00      |  | 1,15        | ▪             | ▪             | ▪             | ▪             | ▪             |
| 26,70        | 2,11      | 3/4" SCH 10S                                       | 1,30        | ▪             | ▪             |               |               |               |
| 26,70        | 2,87      | 3/4" SCH 40S                                       | 1,71        | ▪             | ▪             |               |               |               |
| 26,90        | 1,60      |  | 1,01        |               |               |               |               | ▪             |
| 26,90        | 2,00      |  | 1,25        | ▪             | ▪             | ▪             | ▪             | ▪             |
| 26,90        | 2,60      |  | 1,58        | ▪             | ▪             |               | ▪             | ▪             |
| 28,00        | 1,50      |  | 1,00        | ▪             | ▪             |               |               |               |
| 28,00        | 2,00      |  | 1,30        | ▪             | ▪             |               |               | ▪             |

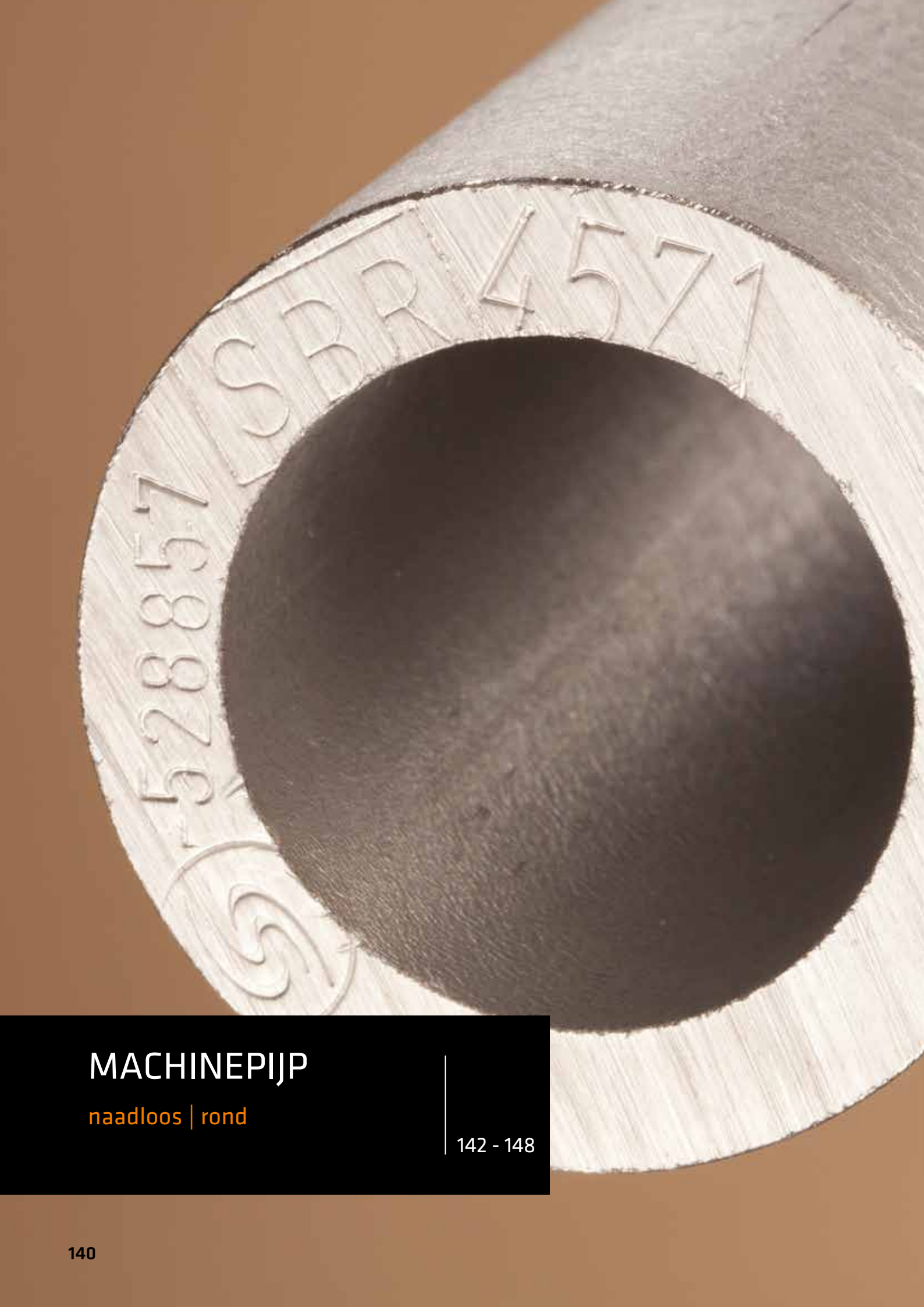
\* Uitvoeringen zie pagina 115

| Uitwendige-Ø | Wanddikte | Uitwendige buisdiameter en wanddiktes volgens ASME | Theor. Gew. | W.-Nr. 1.4301 | W.-Nr. 1.4307 | W.-Nr. 1.4404 | W.-Nr. 1.4541 | W.-Nr. 1.4571 |
|--------------|-----------|--|-------------|---------------|---------------|---------------|---------------|---------------|
| mm           | mm        |  | kg/m        | AISI 304 *)   | AISI 304L *)  | AISI 316L *)  | AISI 321 *)   | AISI 316Ti *) |
| 30,00        | 2,00      |  | 1,40        | ▪             | ▪             |               |               |               |
| 33,40        | 2,77      | 1" SCH 10S   | 2,12        | ▪             | ▪             |               |               |               |
| 33,40        | 3,38      | 1" SCH 40S   | 2,54        | ▪             | ▪             |               |               |               |
| 33,70        | 2,00      |  | 1,59        | ▪             | ▪             | ▪             | ▪             | ▪             |
| 33,70        | 2,60      |  | 2,02        | ▪             | ▪             |               | ▪             | ▪             |
| 33,70        | 3,20      |  | 2,44        | ▪             | ▪             |               | ▪             | ▪             |
| 35,00        | 1,50      |  | 1,26        | ▪             | ▪             |               |               | ▪             |
| 38,00        | 1,50      |  | 1,37        | ▪             | ▪             |               | ▪             |               |
| 38,00        | 2,00      |  | 1,80        | ▪             | ▪             |               |               |               |
| 40,00        | 1,50      |  | 1,45        | ▪             | ▪             |               |               | ▪             |
| 40,00        | 2,00      |  | 1,90        | ▪             | ▪             |               |               | ▪             |
| 42,20        | 2,77      | 1 1/4" SCH 10S                                     | 2,73        | ▪             | ▪             |               |               |               |
| 42,20        | 3,56      | 1 1/4" SCH 40S                                     | 3,44        | ▪             | ▪             |               |               |               |
| 42,40        | 1,60      |  | 1,63        |               |               |               |               | ▪             |
| 42,40        | 2,00      |  | 2,02        | ▪             | ▪             | ▪             | ▪             | ▪             |
| 42,40        | 2,60      |  | 2,59        | ▪             | ▪             |               | ▪             | ▪             |
| 42,40        | 3,20      |  | 3,14        | ▪             | ▪             |               | ▪             | ▪             |
| 44,50        | 2,00      |  | 2,13        | ▪             | ▪             |               |               | ▪             |
| 48,30        | 2,00      |  | 2,32        | ▪             | ▪             | ▪             | ▪             | ▪             |
| 48,30        | 2,60      |  | 2,98        | ▪             | ▪             | ▪             | ▪             | ▪             |
| 48,30        | 2,77      | 1 1/4" SCH 10S                                     | 3,16        | ▪             | ▪             |               |               |               |
| 48,30        | 3,20      |  | 3,61        | ▪             | ▪             |               | ▪             | ▪             |
| 48,30        | 3,60      |  | 4,03        |               |               |               | ▪             | ▪             |
| 50,00        | 2,00      |  | 2,40        | ▪             | ▪             |               |               | ▪             |
| 52,00        | 1,50      |  | 1,90        |               |               |               |               | ▪             |
| 53,00        | 1,50      |  | 1,93        | ▪             | ▪             |               |               |               |
| 54,00        | 2,00      |  | 2,60        | ▪             | ▪             |               | ▪             | ▪             |
| 60,30        | 2,00      |  | 2,92        | ▪             | ▪             | ▪             | ▪             | ▪             |
| 60,30        | 2,60      |  | 3,76        | ▪             | ▪             |               | ▪             | ▪             |
| 60,30        | 2,77      | 2" SCH 10S   | 3,99        | ▪             | ▪             |               |               |               |
| 60,30        | 3,00      |  | 4,30        | ▪             | ▪             |               | ▪             | ▪             |
| 60,30        | 3,60      |  | 5,11        |               |               |               | ▪             | ▪             |
| 60,30        | 3,91      | 2" SCH 40S   | 5,52        | ▪             | ▪             |               |               |               |
| 76,10        | 1,60      |  | 2,98        |               |               |               |               | ▪             |
| 76,10        | 2,00      |  | 3,71        | ▪             | ▪             |               | ▪             | ▪             |
| 76,10        | 2,30      |  | 4,25        |               |               | ▪             | ▪             | ▪             |
| 76,10        | 2,60      |  | 4,79        | ▪             | ▪             |               | ▪             |               |
| 76,10        | 3,00      |  | 5,49        |               |               |               | ▪             | ▪             |
| 76,10        | 3,60      |  | 6,54        |               |               |               | ▪             |               |

\* Uitvoeringen zie pagina 115

| Uitwendige-Ø | Wanddikte | Uitwendige buisdiameter en wanddiktes volgens ASME | Theor. Gew. | W.-Nr. 1.4301 | W.-Nr. 1.4307 | W.-Nr. 1.4404 | W.-Nr. 1.4541 | W.-Nr. 1.4571 |
|--------------|-----------|--|-------------|---------------|---------------|---------------|---------------|---------------|
| mm           | mm        |  | kg/m        | AISI 304 *)   | AISI 304L *)  | AISI 316L *)  | AISI 321 *)   | AISI 316Ti *) |
| 88,90        | 2,00      |  | 4,35        | ▪             | ▪             |               | ▪             | ▪             |
| 88,90        | 2,30      |  | 4,99        |               |               | ▪             | ▪             | ▪             |
| 88,90        | 2,60      |  | 5,62        | ▪             | ▪             | ▪             | ▪             |               |
| 88,90        | 3,00      |  | 6,45        |               |               | ▪             | ▪             | ▪             |
| 88,90        | 3,05      | 3" SCH 10S   | 6,56        | ▪             | ▪             |               |               |               |
| 88,90        | 3,20      |  | 6,87        | ▪             | ▪             |               | ▪             | ▪             |
| 88,90        | 4,00      |  | 8,50        |               |               |               | ▪             | ▪             |
| 88,90        | 5,49      | 3" SCH 40S   | 11,47       | ▪             | ▪             |               |               |               |
| 101,60       | 2,00      |  | 4,99        | ▪             | ▪             |               |               |               |
| 108,00       | 3,00      |  | 7,89        |               |               |               |               | ▪             |
| 114,30       | 2,00      |  | 5,62        | ▪             | ▪             |               | ▪             | ▪             |
| 114,30       | 2,60      |  | 7,27        | ▪             | ▪             | ▪             | ▪             | ▪             |
| 114,30       | 3,00      |  | 8,36        |               |               | ▪             | ▪             | ▪             |
| 114,30       | 3,05      | 4" SCH 10S   | 8,50        | ▪             | ▪             |               |               |               |
| 114,30       | 3,60      |  | 9,98        |               |               | ▪             |               | ▪             |
| 114,30       | 4,00      |  | 11,05       |               |               |               | ▪             | ▪             |
| 114,30       | 6,02      | 4" SCH 40S   | 16,32       | ▪             | ▪             |               |               |               |
| 168,30       | 3,40      | 6" SCH 10S   | 14,04       | ▪             | ▪             |               |               |               |
| 168,30       | 7,11      | 6" SCH 40S   | 28,70       | ▪             | ▪             |               |               |               |
| 219,10       | 3,76      | 8" SCH 10S   | 20,27       | ▪             | ▪             |               |               |               |
| 219,10       | 8,18      | 8" SCH 40S   | 43,20       | ▪             | ▪             |               |               |               |
| 323,90       | 4,57      | 12" SCH 10S  | 36,54       |               |               | ▪             |               |               |

\* Uitvoeringen zie pagina 115



# MACHINEPIJP

naadloos | rond

142 - 148

# Alternatief met perspectief

Wanneer het eens niet massief moet zijn dan is machinepijp een gunstig en tegelijkertijd solide alternatief. Voor ons een reden om ons programma machinepijp verder te vergroten. Dit alles om u in de gelegenheid te stellen uw bewerkingstijd te reduceren en geld te verdienen door een lager inzetgewicht t.o.v. massief en last but not least bij een onveranderde hoge kwaliteit.

## **Machinepijp | naadloos | rond**

op handelslengten van 2 tot 7 m

warm-resp. koudvervaardigd, warmtebehandeld, van de oxidehuid ontdaan (gebeitst resp. mechanisch bewerkt)

\* oplossend gegloeid, gebeitst

## **Technische leveringscondities**

EN 10216-5, aanvullende inspectie op aanvraag

## **Toleranties**

ISO 2938 resp.

Uitw.diameter:  $-0/+2\%$ , minimaal  $-0/+1,0$  mm

Inw.diameter  $+0/-2\%$ , minimaal  $+0/-1,0$  mm

Wanddikte: minimale wanddikte: 5% van de nominale wanddikte, geen maximum

## **Keuringscertificaten**

EN 10204 3.1/3.2 indien overeengekomen

\* Inhoud zie pagina 142 tot 148

| Nominale-Ø mm |        | Theor. Gew. | W.-Nr. 1.4301 | W.-Nr. 1.4306 | W.-Nr. 1.4307 | W.-Nr. 1.4401 | W.-Nr. 1.4404 | W.-Nr. 1.4541 | W.-Nr. 1.4571 |
|---------------|--------|-------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| buiten        | binnen | kg/m        | AISI 304 *)   | AISI 304L *)  | AISI 304L *)  | AISI 316 *)   | AISI 316L *)  | AISI 321 *)   | AISI 316Ti *) |
| 32            | 16     | 4,81        | ▪             | ▪             | ▪             | ▪             | ▪             |               | ▪             |
| 32            | 20     | 3,91        | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 36            | 16     | 6,51        | ▪             | ▪             | ▪             | ▪             | ▪             |               | ▪             |
| 36            | 20     | 5,61        | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 36            | 25     | 4,20        | ▪             | ▪             | ▪             |               |               |               | ▪             |
| 40            | 20     | 7,51        | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 40            | 25     | 6,10        | ▪             | ▪             | ▪             | ▪             | ▪             |               | ▪             |
| 40            | 28     | 5,11        | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 45            | 20     | 10,17       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 45            | 25     | 8,76        | ▪             | ▪             | ▪             |               |               |               |               |
| 45            | 28     | 7,77        | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 45            | 32     | 6,27        | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 50            | 25     | 11,74       | ▪             | ▪             | ▪             | ▪             | ▪             |               | ▪             |
| 50            | 28     | 10,74       | ▪             | ▪             | ▪             |               |               |               |               |
| 50            | 32     | 9,24        | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 50            | 36     | 7,54        | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 50            | 40     | 5,63        | ▪             | ▪             | ▪             |               |               |               | ▪             |
| 56            | 20     | 17,13       | ▪             | ▪             | ▪             |               |               |               |               |
| 56            | 25     | 15,72       | ▪             | ▪             | ▪             |               |               |               |               |
| 56            | 28     | 14,72       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 56            | 30     | 14,00       | ▪             | ▪             | ▪             |               |               |               |               |
| 56            | 36     | 11,52       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 56            | 40     | 9,62        | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 56            | 45     | 6,95        |               |               |               |               |               |               | ▪             |
| 60            | 40     | 12,52       | ▪             | ▪             | ▪             |               |               | ▪             |               |
| 60            | 45     | 9,86        | ▪             | ▪             | ▪             |               |               |               | ▪             |
| 63            | 32     | 18,44       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 63            | 36     | 16,73       | ▪             | ▪             | ▪             | ▪             | ▪             |               | ▪             |
| 63            | 40     | 14,83       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 63            | 45     | 12,17       | ▪             | ▪             | ▪             | ▪             | ▪             |               | ▪             |
| 63            | 50     | 9,20        | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 70            | 50     | 15,02       | ▪             | ▪             | ▪             |               |               |               |               |
| 71            | 36     | 23,44       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 71            | 40     | 21,54       | ▪             | ▪             | ▪             | ▪             | ▪             |               | ▪             |
| 71            | 45     | 18,88       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 71            | 56     | 11,93       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 75            | 40     | 25,20       | ▪             | ▪             | ▪             | ▪             | ▪             |               | ▪             |
| 75            | 50     | 19,56       | ▪             | ▪             | ▪             |               |               |               |               |
| 75            | 56     | 15,58       | ▪             | ▪             | ▪             |               |               |               | ▪             |

\* Uitvoeringen zie pagina 141

| Nominale-Ø mm |        | Theor. Gew. | W.-Nr. 1.4301 | W.-Nr. 1.4306 | W.-Nr. 1.4307 | W.-Nr. 1.4401 | W.-Nr. 1.4404 | W.-Nr. 1.4541 | W.-Nr. 1.4571 |
|---------------|--------|-------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| buiten        | binnen | kg/m        | AISI 304 *)   | AISI 304L *)  | AISI 304L *)  | AISI 316 *)   | AISI 316L *)  | AISI 321 *)   | AISI 316Ti *) |
| 75            | 60     | 12,68       | ▪             | ▪             | ▪             | ▪             | ▪             |               | ▪             |
| 80            | 40     | 30,05       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 80            | 45     | 27,39       | ▪             | ▪             | ▪             | ▪             | ▪             |               |               |
| 80            | 50     | 24,41       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 80            | 63     | 15,22       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 85            | 45     | 32,55       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 90            | 50     | 35,06       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 90            | 56     | 31,07       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 90            | 63     | 25,86       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 90            | 68     | 21,76       |               |               |               |               |               |               | ▪             |
| 90            | 71     | 19,15       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 95            | 50     | 40,85       | ▪             | ▪             | ▪             | ▪             | ▪             |               | ▪             |
| 100           | 56     | 42,97       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 100           | 63     | 37,75       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 100           | 71     | 31,04       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 100           | 80     | 22,54       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 106           | 56     | 50,71       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 106           | 63     | 45,49       | ▪             | ▪             | ▪             | ▪             | ▪             |               | ▪             |
| 106           | 71     | 38,78       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 106           | 80     | 30,27       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 106           | 85     | 25,11       |               |               |               |               |               |               | ▪             |
| 106           | 90     | 19,63       | ▪             | ▪             | ▪             |               |               |               |               |
| 112           | 63     | 53,68       | ▪             | ▪             | ▪             | ▪             | ▪             |               | ▪             |
| 112           | 71     | 46,97       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 112           | 80     | 38,46       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 112           | 90     | 27,82       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 112           | 95     | 22,03       |               |               |               |               |               |               | ▪             |
| 118           | 63     | 62,32       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 118           | 71     | 55,61       | ▪             | ▪             | ▪             | ▪             | ▪             |               | ▪             |
| 118           | 80     | 47,10       | ▪             | ▪             | ▪             | ▪             | ▪             |               | ▪             |
| 118           | 90     | 36,46       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 125           | 71     | 66,26       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 125           | 80     | 57,75       | ▪             | ▪             | ▪             | ▪             | ▪             |               | ▪             |
| 125           | 90     | 47,11       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 125           | 100    | 35,21       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 132           | 71     | 77,52       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 132           | 80     | 69,01       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 132           | 90     | 58,37       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 132           | 106    | 38,74       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |

\* Uitvoeringen zie pagina 141

| Nominale-Ø mm |        | Theor. Gew. | W.-Nr. 1.4301 | W.-Nr. 1.4306 | W.-Nr. 1.4307 | W.-Nr. 1.4401 | W.-Nr. 1.4404 | W.-Nr. 1.4541 | W.-Nr. 1.4571 |
|---------------|--------|-------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| buiten        | binnen | kg/m        | AISI 304 *)   | AISI 304L *)  | AISI 304L *)  | AISI 316 *)   | AISI 316L *)  | AISI 321 *)   | AISI 316Ti *) |
| 140           | 80     | 82,63       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 140           | 90     | 71,99       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 140           | 100    | 60,10       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 140           | 106    | 52,36       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 140           | 112    | 44,17       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 150           | 80     | 100,79      | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 150           | 95     | 84,35       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 150           | 106    | 70,51       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 150           | 112    | 62,32       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 150           | 125    | 43,04       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 150           | 132    | 31,78       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 160           | 90     | 109,96      | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 160           | 112    | 81,73       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 160           | 120    | 70,11       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 160           | 132    | 51,18       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 170           | 106    | 110,58      | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 170           | 118    | 93,75       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 170           | 130    | 75,12       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 170           | 140    | 58,22       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 175           | 145    | 60,10       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 180           | 125    | 105,01      | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 180           | 130    | 97,03       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 180           | 140    | 80,13       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 180           | 150    | 61,97       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 190           | 106    | 155,65      | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 190           | 123    | 131,28      | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 190           | 132    | 116,91      | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 190           | 140    | 103,29      | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 190           | 150    | 85,14       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 190           | 160    | 65,73       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 200           | 106    | 180,06      | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 200           | 140    | 127,70      | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 200           | 150    | 109,55      | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 200           | 160    | 90,14       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 200           | 170    | 69,49       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 212           | 130    | 175,56      | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 212           | 150    | 140,50      | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 212           | 170    | 100,44      | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 212           | 180    | 78,53       | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |

\* Uitvoeringen zie pagina 141



| Nominale-Ø mm |        | Theor. Gew. | W.-Nr. 1.4301 | W.-Nr. 1.4306 | W.-Nr. 1.4307 | W.-Nr. 1.4401 | W.-Nr. 1.4404 | W.-Nr. 1.4541 | W.-Nr. 1.4571 |
|---------------|--------|-------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| buiten        | binnen | kg/m        | AISI 304 *)   | AISI 304L *)  | AISI 304L *)  | AISI 316 *)   | AISI 316L *)  | AISI 321 *)   | AISI 316Ti *) |
| 224           | 140    | 191,41      | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 224           | 160    | 153,85      | ▪             | ▪             | ▪             | ▪             | ▪             |               | ▪             |
| 224           | 170    | 133,19      | ▪             | ▪             | ▪             |               |               |               | ▪             |
| 224           | 180    | 111,28      | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 236           | 150    | 207,81      | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 236           | 190    | 122,67      | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 240           | 170    | 179,66      | ▪             | ▪             | ▪             | ▪             | ▪             |               | ▪             |
| 250           | 200    | 140,85      | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             | ▪             |
| 275           | 200    | 223,01      |               |               |               | ▪             | ▪             |               |               |
| 300           | 200    | 313,00      | ▪             |               | ▪             | ▪             | ▪             |               |               |
| 340           | 200    | 473,26      | ▪             |               | ▪             | ▪             | ▪             |               |               |
| 380           | 230    | 572,79      | ▪             |               | ▪             | ▪             | ▪             |               |               |
| 400           | 300    | 438,20      | ▪             |               | ▪             | ▪             | ▪             |               |               |
| 420           | 300    | 540,86      | ▪             |               | ▪             | ▪             | ▪             |               |               |

\* Uitvoeringen zie pagina 141



| Nominale-Ø mm |        | Theor. Gew. | W.-Nr. 1.4878 |
|---------------|--------|-------------|---------------|
| buiten        | binnen | kg/m        | AISI 321H *)  |
| 32            | 20     | 3,91        | ▪             |
| 36            | 20     | 5,61        | ▪             |
| 40            | 20     | 7,51        | ▪             |
| 40            | 28     | 5,11        | ▪             |
| 45            | 20     | 10,17       | ▪             |
| 45            | 28     | 7,77        | ▪             |
| 45            | 32     | 6,27        | ▪             |
| 50            | 32     | 9,24        | ▪             |
| 50            | 36     | 7,54        | ▪             |
| 56            | 28     | 14,72       | ▪             |
| 56            | 36     | 11,52       | ▪             |
| 56            | 40     | 9,62        | ▪             |
| 60            | 40     | 12,52       | ▪             |
| 63            | 32     | 18,44       | ▪             |
| 63            | 40     | 14,83       | ▪             |
| 63            | 50     | 9,20        | ▪             |
| 71            | 36     | 23,44       | ▪             |
| 71            | 45     | 18,88       | ▪             |
| 71            | 56     | 11,93       | ▪             |
| 80            | 40     | 30,05       | ▪             |
| 80            | 50     | 24,41       | ▪             |
| 80            | 63     | 15,22       | ▪             |
| 85            | 45     | 32,55       | ▪             |
| 90            | 50     | 35,06       | ▪             |
| 90            | 56     | 31,07       | ▪             |
| 90            | 63     | 25,86       | ▪             |
| 90            | 71     | 19,15       | ▪             |
| 100           | 56     | 42,97       | ▪             |
| 100           | 63     | 37,75       | ▪             |
| 100           | 71     | 31,04       | ▪             |
| 100           | 80     | 22,54       | ▪             |
| 106           | 56     | 50,71       | ▪             |
| 106           | 71     | 38,78       | ▪             |
| 106           | 80     | 30,27       | ▪             |
| 112           | 71     | 46,97       | ▪             |
| 112           | 80     | 38,46       | ▪             |
| 112           | 90     | 27,82       | ▪             |
| 118           | 63     | 62,32       | ▪             |
| 118           | 90     | 36,46       | ▪             |

\* Uitvoeringen zie pagina 141

| Nominale-Ø mm |        | Theor. Gew. | W.-Nr. 1.4878 |
|---------------|--------|-------------|---------------|
| buiten        | binnen | kg/m        | AISI 321H *)  |
| 125           | 71     | 66,26       | ▪             |
| 125           | 90     | 47,11       | ▪             |
| 125           | 100    | 35,21       | ▪             |
| 132           | 71     | 77,52       | ▪             |
| 132           | 80     | 69,01       | ▪             |
| 132           | 90     | 58,37       | ▪             |
| 132           | 106    | 38,74       | ▪             |
| 140           | 80     | 82,63       | ▪             |
| 140           | 100    | 60,10       | ▪             |
| 140           | 112    | 44,17       | ▪             |
| 150           | 80     | 100,79      | ▪             |
| 150           | 106    | 70,51       | ▪             |
| 150           | 125    | 43,04       | ▪             |
| 160           | 112    | 81,73       | ▪             |
| 160           | 120    | 70,11       | ▪             |
| 160           | 132    | 51,18       | ▪             |
| 170           | 106    | 110,58      | ▪             |
| 170           | 118    | 93,75       | ▪             |
| 170           | 130    | 75,12       | ▪             |
| 170           | 140    | 58,22       | ▪             |
| 180           | 125    | 105,01      | ▪             |
| 180           | 130    | 97,03       | ▪             |
| 190           | 123    | 131,28      | ▪             |
| 190           | 140    | 103,29      | ▪             |
| 190           | 160    | 65,73       | ▪             |
| 200           | 140    | 127,70      | ▪             |
| 200           | 160    | 90,14       | ▪             |
| 212           | 130    | 175,56      | ▪             |
| 212           | 150    | 140,50      | ▪             |
| 224           | 140    | 191,41      | ▪             |
| 224           | 180    | 111,28      | ▪             |
| 236           | 150    | 207,81      | ▪             |
| 236           | 190    | 122,67      | ▪             |
| 250           | 200    | 140,85      | ▪             |

\* Uitvoeringen zie pagina 141

| Nominale-Ø mm |        | Theor. Gew. | W.-Nr. 1.4462        |
|---------------|--------|-------------|----------------------|
| buiten        | binnen | kg/m        | UNS S31803 *) Duplex |
| 50            | 25     | 11,74       | ▪                    |
| 56            | 28     | 14,72       | ▪                    |
| 63            | 32     | 18,44       | ▪                    |
| 63            | 40     | 14,83       | ▪                    |
| 71            | 36     | 23,44       | ▪                    |
| 71            | 45     | 18,88       | ▪                    |
| 71            | 56     | 11,93       | ▪                    |
| 80            | 40     | 30,05       | ▪                    |
| 80            | 50     | 24,41       | ▪                    |
| 90            | 56     | 31,07       | ▪                    |
| 90            | 63     | 25,86       | ▪                    |
| 100           | 56     | 42,97       | ▪                    |
| 100           | 71     | 31,04       | ▪                    |
| 106           | 71     | 38,78       | ▪                    |
| 106           | 80     | 30,27       | ▪                    |
| 112           | 90     | 27,82       | ▪                    |
| 118           | 80     | 47,10       | ▪                    |
| 125           | 90     | 47,11       | ▪                    |
| 125           | 100    | 35,21       | ▪                    |
| 132           | 90     | 58,37       | ▪                    |
| 140           | 100    | 60,10       | ▪                    |
| 140           | 112    | 44,17       | ▪                    |
| 150           | 106    | 70,51       | ▪                    |
| 160           | 112    | 81,73       | ▪                    |
| 170           | 118    | 93,75       | ▪                    |
| 170           | 130    | 75,12       | ▪                    |
| 170           | 140    | 58,22       | ▪                    |
| 180           | 125    | 105,01      | ▪                    |
| 180           | 140    | 80,13       | ▪                    |
| 190           | 160    | 65,73       | ▪                    |
| 200           | 160    | 90,14       | ▪                    |
| 212           | 130    | 175,56      | ▪                    |
| 212           | 170    | 100,44      | ▪                    |
| 236           | 190    | 122,67      | ▪                    |
| 250           | 200    | 140,85      | ▪                    |

\* Uitvoeringen zie pagina 141





# FLENZEN

152 - 169

# Altijd goed verbonden

Flenzen en boordringen staan voor een perfecte buisverbinding en wij staan voor een perfecte aanbieding op al uw aanvragen. Daarom hebben wij altijd het complete gamma aan fittingen voor u beschikbaar. Heeft u hier bovenop nog speciale wensen? Bel ons dan om ook aan deze wensen te voldoen en u het gevoel te geven met ons altijd goed verbonden te zijn.

## Fittingen | flenzen

\* oplossend gegloeid, gebeitst of metaalblank

## Technische leveringscondities

DIN EN 10222-5, VdTÜV-Blatt 418 resp. 421 ook in combinatie met AD-2000-Merkblatt W 2/W 9/W 1

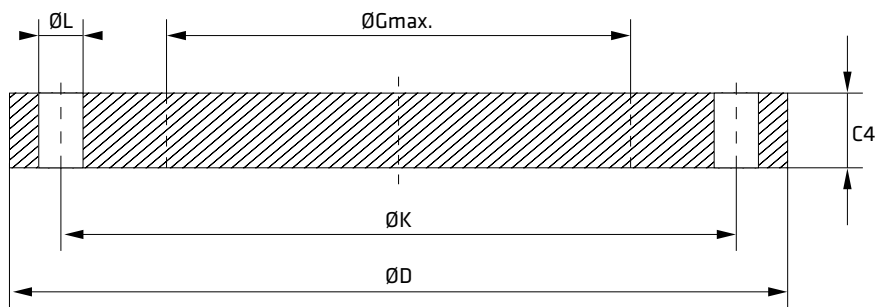
## Toleranties

DIN EN 1092-1 en DIN 2527, 2566, 2576, 2632, 2633, 2635, 2642

## Keuringscertificaten

DIN EN 10204 3.1, voor boordringen van het ingezette voormateriaal (plaat of band), DIN EN 10204 3.1 voor het ingezette voormateriaal resp. voor het eindproduct.

\* Inhoud zie pagina 152 tot 169



| Nominale druk/<br>diameter |    | C4 | ØD  | ØK  | ØL | ØG max. | Aantal<br>schroeven | Theor.<br>Gew. | W.-Nr.<br>1.4541   | W.-Nr.<br>1.4571     |
|----------------------------|----|----|-----|-----|----|---------|---------------------|----------------|--------------------|----------------------|
| DN                         | PN | mm | mm  | mm  | mm | mm      |                     | kg/St.         | AISI<br>321<br>(*) | AISI<br>316Ti<br>(*) |
| 15                         | 40 | 16 | 95  | 65  | 14 |         | 4                   | 0,81           | ▪                  | ▪                    |
| 20                         | 40 | 18 | 105 | 75  | 14 |         | 4                   | 1,14           | ▪                  | ▪                    |
| 25                         | 40 | 18 | 115 | 85  | 14 |         | 4                   | 1,38           | ▪                  | ▪                    |
| 40                         | 40 | 18 | 150 | 110 | 18 |         | 4                   | 2,35           | ▪                  | ▪                    |
| 50                         | 16 | 18 | 165 | 125 | 18 |         | 4                   | 2,88           | ▪                  | ▪                    |
| 65                         | 16 | 18 | 185 | 145 | 18 | 55      | 4                   | 3,51           | ▪                  | ▪                    |
| 65                         | 16 | 18 | 185 | 145 | 18 | 55      | 8                   | 3,51           | ▪                  | ▪                    |
| 80                         | 16 | 20 | 200 | 160 | 18 | 70      | 8                   | 4,61           | ▪                  | ▪                    |
| 100                        | 16 | 20 | 220 | 180 | 18 | 90      | 8                   | 5,65           | ▪                  | ▪                    |
| 125                        | 16 | 22 | 250 | 210 | 18 | 115     | 8                   | 8,13           | ▪                  | ▪                    |
| 150                        | 16 | 22 | 285 | 240 | 22 | 140     | 8                   | 10,50          | ▪                  | ▪                    |
| 200                        | 10 | 24 | 340 | 295 | 22 | 190     | 8                   | 16,50          | ▪                  | ▪                    |
| 200                        | 16 | 24 | 340 | 295 | 22 | 190     | 12                  | 16,20          | ▪                  | ▪                    |
| 250                        | 10 | 26 | 395 | 350 | 22 | 235     | 12                  | 24,10          | ▪                  | ▪                    |
| 300                        | 10 | 26 | 445 | 400 | 22 | 285     | 12                  | 30,80          | ▪                  | ▪                    |

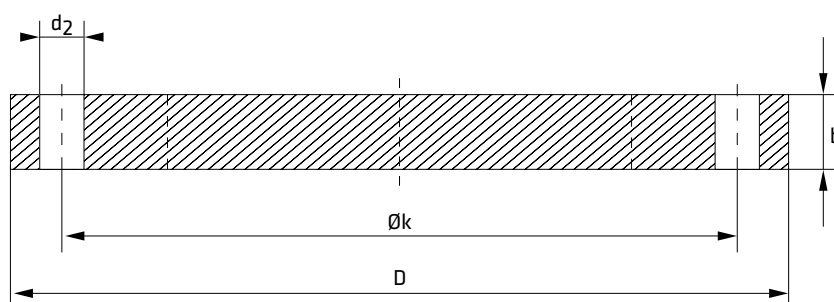
\* Ook volgens DIN leverbaar



| Nominale druk/<br>diameter |    | C4 | ØD  | ØK  | ØL | ØG<br>max. | Aantal<br>schroeven | Theor.<br>Gew. | W.-Nr.<br>1.4462     | W.-Nr.<br>1.4539    |
|----------------------------|----|----|-----|-----|----|------------|---------------------|----------------|----------------------|---------------------|
| DN                         | PN | mm | mm  | mm  | mm | mm         |                     | kg/St.         | UNS<br>S31803<br>(*) | AISI<br>904L<br>(*) |
| 15                         | 40 | 16 | 95  | 65  | 14 |            | 4                   | 0,81           | ▪                    | ▪                   |
| 20                         | 40 | 18 | 105 | 75  | 14 |            | 4                   | 1,14           | ▪                    | ▪                   |
| 25                         | 40 | 18 | 115 | 85  | 14 |            | 4                   | 1,38           | ▪                    | ▪                   |
| 32                         | 40 | 18 | 140 | 100 | 18 |            | 4                   | 2,03           | ▪                    | ▪                   |
| 40                         | 40 | 18 | 150 | 110 | 18 |            | 4                   | 2,35           | ▪                    | ▪                   |
| 50                         | 16 | 18 | 165 | 125 | 18 |            | 4                   | 2,88           | ▪                    | ▪                   |
| 65                         | 16 | 18 | 185 | 145 | 18 | 55         | 8                   | 3,51           | ▪                    | ▪                   |
| 80                         | 16 | 20 | 200 | 160 | 18 | 70         | 8                   | 4,61           | ▪                    | ▪                   |
| 100                        | 16 | 20 | 220 | 180 | 18 | 90         | 8                   | 5,65           | ▪                    | ▪                   |
| 125                        | 16 | 22 | 250 | 210 | 18 | 115        | 8                   | 8,13           | ▪                    | ▪                   |
| 150                        | 16 | 22 | 285 | 240 | 22 | 140        | 8                   | 10,50          | ▪                    | ▪                   |
| 200                        | 16 | 24 | 340 | 295 | 22 | 190        | 12                  | 16,20          | ▪                    | ▪                   |



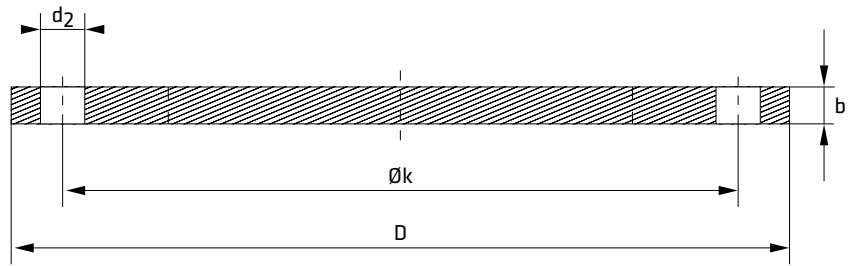
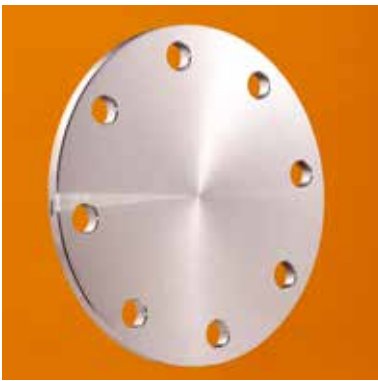
## Blindflenzen | DIN 2527 Vorm B | roestvast



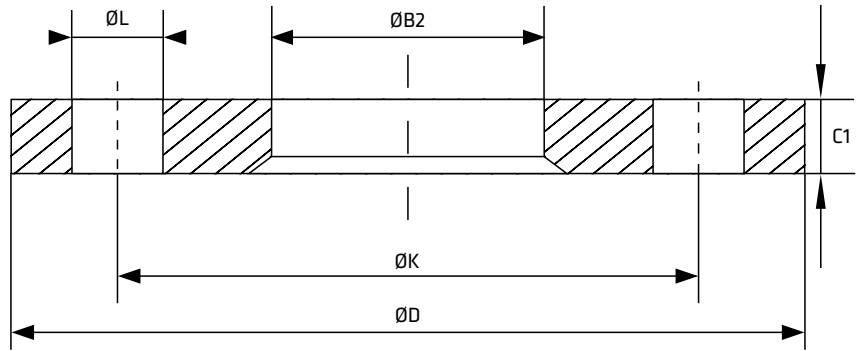
| Nominale druk/<br>diameter |    | b  | D   | Øk  | d <sub>2</sub> | Aantal<br>schroeven | Theor.<br>Gew. | W.-Nr.<br>1.4571     |
|----------------------------|----|----|-----|-----|----------------|---------------------|----------------|----------------------|
| DN                         | PN | mm | mm  | mm  | mm             |                     | kg/St.         | AISI<br>316Ti<br>(*) |
| 10                         | 16 | 14 | 90  | 60  | 14             | 4                   | 0,63           | ▪                    |
| 15                         | 16 | 14 | 95  | 65  | 14             | 4                   | 0,72           | ▪                    |
| 20                         | 16 | 16 | 105 | 75  | 14             | 4                   | 1,01           | ▪                    |
| 25                         | 16 | 16 | 115 | 85  | 14             | 4                   | 1,23           | ▪                    |
| 32                         | 16 | 16 | 140 | 100 | 18             | 4                   | 1,80           | ▪                    |
| 40                         | 16 | 16 | 150 | 110 | 18             | 4                   | 2,09           | ▪                    |

## Blindflenzen | DIN 2527 Vorm B | hoog corrosievast

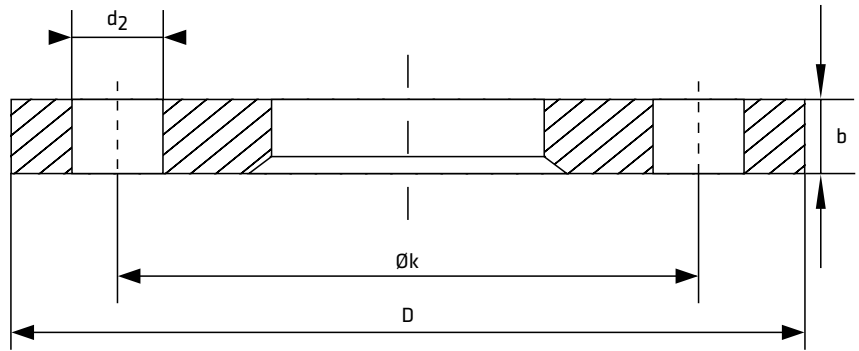
| Nominale druk/<br>diameter |    | b  | D   | Øk  | d <sub>2</sub> | Aantal<br>schroeven | Theor.<br>Gew. | W.-Nr.<br>1.4462               | W.-Nr.<br>1.4539    |
|----------------------------|----|----|-----|-----|----------------|---------------------|----------------|--------------------------------|---------------------|
| DN                         | PN | mm | mm  | mm  | mm             |                     | kg/St.         | UNS<br>S31803<br>(*)<br>Duplex | AISI<br>904L<br>(*) |
| 15                         | 16 | 14 | 95  | 65  | 14             | 4                   | 0,72           | ▪                              | ▪                   |
| 20                         | 16 | 16 | 105 | 75  | 14             | 4                   | 1,01           | ▪                              | ▪                   |
| 25                         | 16 | 16 | 115 | 85  | 14             | 4                   | 1,23           | ▪                              | ▪                   |
| 32                         | 16 | 16 | 140 | 100 | 18             | 4                   | 1,80           | ▪                              | ▪                   |
| 40                         | 16 | 16 | 150 | 110 | 18             | 4                   | 2,09           | ▪                              | ▪                   |



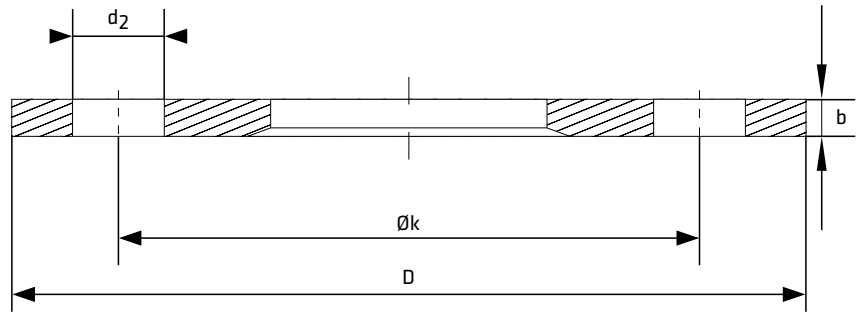
| Nominale druk/<br>diameter |    | b  | D   | Øk  | d <sub>2</sub> | Aantal<br>schroeven | Theor.<br>Gew.<br>kg/St. | W.-Nr.<br>1.4301<br>AISI<br>304<br>*) | W.-Nr.<br>1.4571<br>AISI<br>316Ti<br>*) |
|----------------------------|----|----|-----|-----|----------------|---------------------|--------------------------|---------------------------------------|---|
| DN                         | PN | mm | mm  | mm  | mm             |                     |                          |                                       |   |
| 100                        | 16 | 10 | 220 | 180 | 18             | 8                   | 2,83                     | ▪                                     | ▪                                       |
| 125                        | 16 | 12 | 250 | 210 | 18             | 8                   | 4,60                     | ▪                                     | ▪                                       |
| 150                        | 16 | 12 | 285 | 240 | 22             | 8                   | 4,68                     | ▪                                     | ▪                                       |
| 200                        | 10 | 12 | 340 | 295 | 22             | 8                   | 8,25                     |                                       | ▪                                       |
| 200                        | 10 | 15 | 340 | 295 | 22             | 8                   | 10,31                    | ▪                                     |   |
| 250                        | 10 | 15 | 405 | 355 | 26             | 12                  | 14,40                    | ▪                                     | ▪                                       |
| 300                        | 10 | 15 | 460 | 470 | 26             | 12                  | 18,80                    | ▪                                     | ▪                                       |
| 350                        | 10 | 15 | 505 | 460 | 22             | 16                  | 24,17                    |                                       | ▪                                       |
| 400                        | 10 | 15 | 565 | 515 | 26             | 16                  | 28,50                    |                                       | ▪                                       |
| 500                        | 10 | 20 | 670 | 620 | 26             | 20                  | 53,57                    |                                       | ▪                                       |



| Nominale druk/diameter |    | Buis-aansluiting | C1 | ØD  | ØK  | ØL | ØB2 | Aantal schroeven | Theor. Gew. | W.-Nr. 1.4301<br>AISI 304 *) | W.-Nr. 1.4541<br>AISI 321 *) | W.-Nr. 1.4571<br>AISI 316Ti *) |
|------------------------|----|------------------|----|-----|-----|----|-----|------------------|-------------|------------------------------|------------------------------|--------------------------------|
| DN                     | PN | mm               | mm | mm  | mm  | mm | mm  |                  | kg/St.      |                              |                              |                                |
| 10                     | 40 | 17,2             | 14 | 90  | 60  | 14 | 21  | 4                | 0,59        |                              |                              | ▪                              |
| 15                     | 40 | 21,3             | 14 | 95  | 65  | 14 | 25  | 4                | 0,65        | ▪                            | ▪                            | ▪                              |
| 20                     | 40 | 26,9             | 16 | 105 | 75  | 14 | 31  | 4                | 0,90        | ▪                            | ▪                            | ▪                              |
| 25                     | 40 | 33,7             | 16 | 114 | 85  | 14 | 38  | 4                | 1,08        | ▪                            | ▪                            | ▪                              |
| 32                     | 40 | 42,4             | 18 | 140 | 100 | 18 | 47  | 4                | 1,77        | ▪                            | ▪                            | ▪                              |
| 40                     | 40 | 48,3             | 18 | 150 | 110 | 18 | 53  | 4                | 2,02        | ▪                            | ▪                            | ▪                              |
| 50                     | 16 | 60,3             | 20 | 165 | 125 | 18 | 65  | 4                | 2,65        | ▪                            | ▪                            | ▪                              |
| 65                     | 16 | 76,1             | 22 | 185 | 145 | 18 | 81  | 4                | 3,05        | ▪                            | ▪                            | ▪                              |
| 65                     | 16 | 76,1             | 20 | 185 | 145 | 18 | 81  | 8                | 2,95        |                              | ▪                            | ▪                              |
| 80                     | 16 | 88,9             | 20 | 200 | 160 | 18 | 94  | 8                | 3,48        | ▪                            | ▪                            | ▪                              |
| 100                    | 16 | 114,3            | 22 | 220 | 180 | 18 | 120 | 8                | 4,20        | ▪                            | ▪                            | ▪                              |
| 125                    | 16 | 139,7            | 22 | 250 | 210 | 18 | 145 | 8                | 5,21        | ▪                            | ▪                            | ▪                              |
| 150                    | 16 | 168,3            | 24 | 285 | 240 | 22 | 174 | 8                | 6,89        | ▪                            | ▪                            | ▪                              |
| 200                    | 10 | 219,1            | 24 | 340 | 295 | 22 | 226 | 8                | 9,31        | ▪                            | ▪                            | ▪                              |
| 250                    | 10 | 273,0            | 26 | 395 | 350 | 22 | 281 | 12               | 13,50       | ▪                            | ▪                            | ▪                              |
| 250                    | 16 | 273,0            | 29 | 405 | 355 | 26 | 281 | 12               | 13,50       |                              |                              | ▪                              |
| 300                    | 10 | 323,9            | 26 | 445 | 400 | 22 | 333 | 12               | 18,00       | ▪                            | ▪                            | ▪                              |
| 350                    | 10 | 355,6            | 30 | 505 | 460 | 22 | 365 | 16               | 19,40       |                              |                              | ▪                              |
| 400                    | 10 | 406,4            | 32 | 565 | 515 | 26 | 416 | 16               | 26,40       | ▪                            | ▪                            | ▪                              |
| 500                    | 10 | 508,0            | 38 | 670 | 620 | 26 | 519 | 20               | 38,50       | ▪                            | ▪                            |                                |

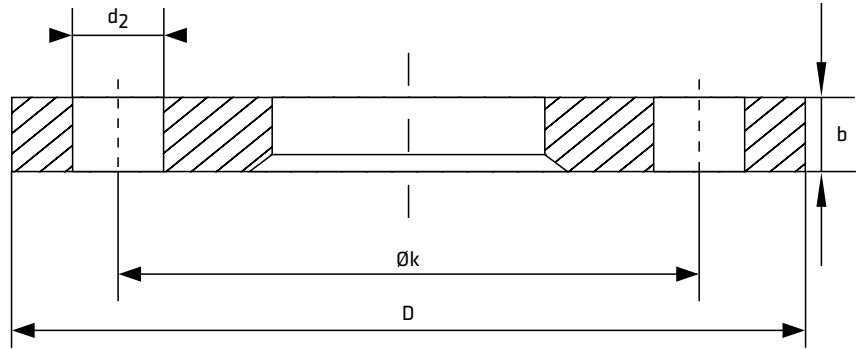


| Nominale druk/<br>diameter |    | Buis-aan-<br>sluiting | b  | D   | Øk  | d <sub>2</sub> | Aantal<br>schroeven | Theor.<br>Gew. | W.-Nr.<br>1.4541   | W.-Nr.<br>1.4571     |
|----------------------------|----|-----------------------|----|-----|-----|----------------|---------------------|----------------|--------------------|----------------------|
| DN                         | PN | mm                    | mm | mm  | mm  | mm             |                     | kg/St.         | AISI<br>321<br>(*) | AISI<br>316Ti<br>(*) |
| 10                         | 10 | 17,2                  | 14 | 90  | 60  | 14             | 4                   | 0,60           | ▪                  | ▪                    |
| 15                         | 10 | 21,3                  | 14 | 95  | 65  | 14             | 4                   | 0,69           | ▪                  | ▪                    |
| 20                         | 10 | 26,9                  | 14 | 105 | 75  | 14             | 4                   | 0,80           | ▪                  | ▪                    |
| 25                         | 10 | 33,7                  | 16 | 115 | 85  | 14             | 4                   | 1,11           | ▪                  | ▪                    |
| 32                         | 10 | 42,4                  | 16 | 140 | 100 | 18             | 4                   | 1,64           | ▪                  | ▪                    |
| 40                         | 10 | 48,3                  | 16 | 150 | 110 | 18             | 4                   | 1,86           | ▪                  | ▪                    |
| 50                         | 10 | 60,3                  | 16 | 165 | 125 | 18             | 4                   | 2,20           | ▪                  | ▪                    |
| 65                         | 10 | 76,1                  | 16 | 185 | 145 | 18             | 4                   | 2,62           | ▪                  | ▪                    |
| 80                         | 10 | 88,9                  | 18 | 200 | 160 | 18             | 8                   | 3,32           | ▪                  | ▪                    |
| 100                        | 10 | 114,3                 | 18 | 220 | 180 | 18             | 8                   | 3,67           | ▪                  | ▪                    |
| 125                        | 10 | 139,7                 | 18 | 250 | 210 | 18             | 8                   | 4,54           | ▪                  | ▪                    |
| 150                        | 10 | 168,3                 | 18 | 285 | 240 | 22             | 8                   | 5,60           | ▪                  | ▪                    |
| 200                        | 10 | 219,1                 | 20 | 340 | 295 | 22             | 8                   | 7,46           | ▪                  | ▪                    |
| 250                        | 10 | 273,0                 | 22 | 395 | 350 | 22             | 12                  | 10,30          | ▪                  | ▪                    |



| Nominale druk/diameter |    | Buis-aan-sluiting | b  | D   | Øk  | d <sub>2</sub> | Aantal schroeven | Theor. Gew. | W.-Nr. 1.4301 | W.-Nr. 1.4571 |
|------------------------|----|-------------------|----|-----|-----|----------------|------------------|-------------|---------------|---------------|
| DN                     | PN | mm                | mm | mm  | mm  | mm             |                  | kg/St.      | AISI 304 *)   | AISI 316Ti *) |
| 50                     | 10 | 60,3              | 10 | 165 | 125 | 18             | 4                | 1,42        | ▪             | ▪             |
| 65                     | 10 | 76,1              | 10 | 185 | 145 | 18             | 4                | 1,74        | ▪             | ▪             |
| 80                     | 10 | 88,9              | 10 | 200 | 160 | 18             | 8                | 1,95        | ▪             | ▪             |
| 100                    | 10 | 114,3             | 10 | 220 | 180 | 18             | 8                | 2,15        | ▪             | ▪             |
| 125                    | 10 | 139,7             | 12 | 250 | 210 | 18             | 8                | 3,05        | ▪             | ▪             |
| 150                    | 10 | 168,3             | 12 | 285 | 240 | 22             | 8                | 3,94        | ▪             | ▪             |
| 200                    | 10 | 219,1             | 12 | 340 | 295 | 22             | 8                | 4,48        | ▪             | ▪             |
| 250                    | 10 | 273,0             | 15 | 395 | 350 | 22             | 12               | 6,95        | ▪             | ▪             |
| 300                    | 10 | 323,9             | 15 | 445 | 400 | 22             | 12               | 9,19        | ▪             | ▪             |
| 350                    | 10 | 355,6             | 15 | 505 | 460 | 22             | 16               | 11,24       | ▪             | ▪             |
| 400                    | 10 | 406,4             | 15 | 565 | 515 | 26             | 16               | 11,70       | ▪             | ▪             |
| 500                    | 10 | 508,0             | 20 | 670 | 620 | 26             | 20               | 22,00       | ▪             | ▪             |

# Aluminium-Overschuifflenzen



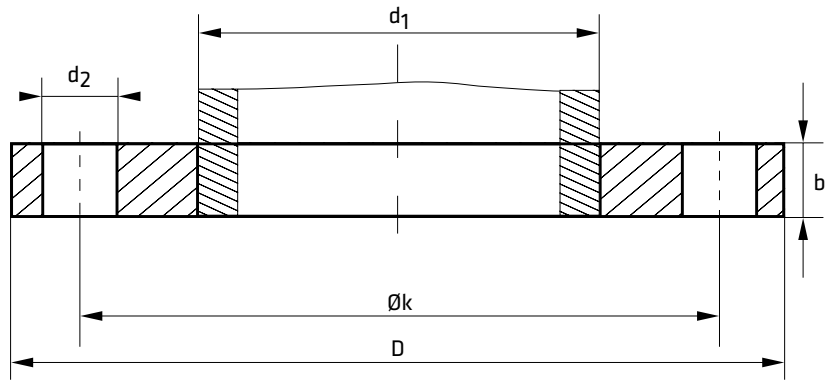
| Nominale druk/<br>diameter |    | Buis-<br>aan-<br>sluiting<br>mm | b<br>mm | D<br>mm | Øk<br>mm | d <sub>2</sub><br>mm | Aantal<br>schroeven | Theor.<br>Gew.<br>kg/St. | Aluminium<br>blank | Aluminium<br>gecoat           |
|----------------------------|----|---------------------------------|---------|---------|----------|----------------------|---------------------|--------------------------|--------------------|-------------------------------|
| DN                         | PN |                                 |         |         |          |                      |                     |                          | GK AL SU 12 CU     | RAL kleur<br>7001 zilvergrijs |
| 10                         | 10 | 17,2                            | 12      | 90      | 60       | 14                   | 4                   | 0,21                     | ▪                  | ▪                             |
| 15                         | 10 | 21,3                            | 12      | 95      | 65       | 14                   | 4                   | 0,24                     | ▪                  | ▪                             |
| 20                         | 10 | 26,9                            | 12      | 105     | 75       | 14                   | 4                   | 0,28                     | ▪                  | ▪                             |
| 25                         | 10 | 33,7                            | 12      | 115     | 85       | 14                   | 4                   | 0,38                     | ▪                  | ▪                             |
| 32                         | 10 | 42,4                            | 16      | 140     | 100      | 18                   | 4                   | 0,56                     | ▪                  | ▪                             |
| 40                         | 10 | 48,3                            | 16      | 150     | 110      | 18                   | 4                   | 0,64                     | ▪                  | ▪                             |
| 50                         | 10 | 54,0                            | 16      | 165     | 125      | 18                   | 4                   | 0,75                     | ▪                  | ▪                             |
| 50                         | 10 | 60,3                            | 16      | 165     | 125      | 18                   | 4                   | 0,75                     | ▪                  | ▪                             |
| 65                         | 10 | 76,1                            | 16      | 185     | 145      | 18                   | 4                   | 0,90                     | ▪                  | ▪                             |
| 80                         | 10 | 84,0                            | 18      | 200     | 160      | 18                   | 8                   | 1,10                     | ▪                  | ▪                             |
| 80                         | 10 | 88,9                            | 18      | 200     | 160      | 18                   | 8                   | 1,10                     | ▪                  | ▪                             |
| 100                        | 10 | 104,0                           | 18      | 220     | 180      | 18                   | 8                   | 1,23                     | ▪                  | ▪                             |
| 100                        | 10 | 114,3                           | 18      | 220     | 180      | 18                   | 8                   | 1,23                     | ▪                  | ▪                             |
| 125                        | 10 | 129,0                           | 18      | 250     | 210      | 18                   | 8                   | 1,55                     | ▪                  | ▪                             |
| 125                        | 10 | 139,7                           | 18      | 250     | 210      | 18                   | 8                   | 1,55                     | ▪                  | ▪                             |
| 150                        | 10 | 154,0                           | 18      | 285     | 240      | 22                   | 8                   | 1,88                     | ▪                  | ▪                             |
| 150                        | 10 | 168,3                           | 18      | 285     | 240      | 22                   | 8                   | 1,88                     | ▪                  | ▪                             |
| 200                        | 10 | 204,0                           | 20      | 340     | 295      | 22                   | 8                   | 2,70                     | ▪                  | ▪                             |
| 200                        | 10 | 219,1                           | 20      | 340     | 295      | 22                   | 8                   | 2,70                     | ▪                  | ▪                             |
| 250                        | 10 | 254,0                           | 22      | 395     | 350      | 22                   | 12                  | 3,65                     | ▪                  | ▪                             |
| 250                        | 10 | 273,0                           | 22      | 395     | 350      | 22                   | 12                  | 3,65                     | ▪                  | ▪                             |
| 300                        | 10 | 304,0                           | 22      | 445     | 400      | 22                   | 12                  | 4,30                     | ▪                  | ▪                             |
| 300                        | 10 | 323,9                           | 22      | 445     | 400      | 22                   | 12                  | 4,30                     | ▪                  | ▪                             |
| 350                        | 10 | 355,6                           | 22      | 505     | 460      | 22                   | 16                  | 5,20                     | ▪                  | ▪                             |
| 400                        | 10 | 406,4                           | 25      | 565     | 515      | 26                   | 16                  | 7,17                     | ▪                  | ▪                             |
| 500                        | 10 | 508,0                           | 28      | 670     | 620      | 26                   | 20                  | 9,70                     | ▪                  | ▪                             |
| 600                        | 10 | 610,0                           | 30      | 780     | 725      | 30                   | 20                  | 14,00                    | ▪                  | ▪                             |



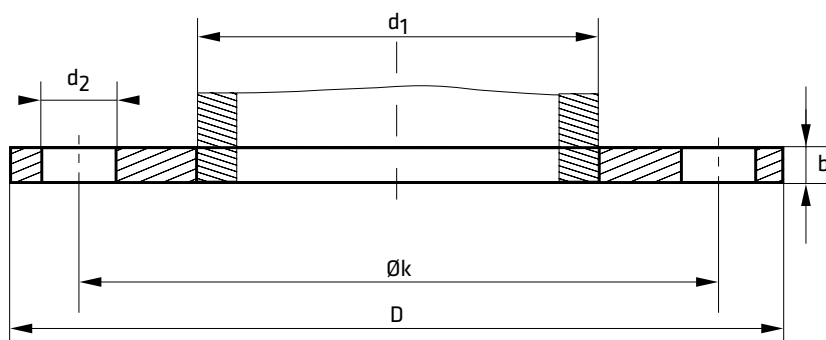
| Nominale druk/diameter |    | Buis-aansluiting | C1 | ØD  | ØK  | ØL | ØB1   | Aantal schroeven | Theor. Gew. | W.-Nr. 1.4301 | W.-Nr. 1.4541 | W.-Nr. 1.4571 |
|------------------------|----|------------------|----|-----|-----|----|-------|------------------|-------------|---------------|---------------|---------------|
| DN                     | PN | mm               | mm | mm  | mm  | mm | mm    |                  | kg/St.      | AISI 304 *)   | AISI 321 *)   | AISI 316Ti *) |
| 15                     | 40 | 21,3             | 14 | 95  | 65  | 14 | 22,0  | 4                | 0,67        | ▪             |               | ▪             |
| 20                     | 40 | 26,9             | 16 | 105 | 75  | 14 | 27,5  | 4                | 0,94        | ▪             |               | ▪             |
| 25                     | 40 | 33,7             | 16 | 115 | 85  | 14 | 34,5  | 4                | 1,11        | ▪             |               | ▪             |
| 32                     | 40 | 42,4             | 18 | 140 | 100 | 18 | 43,5  | 4                | 1,82        | ▪             |               | ▪             |
| 40                     | 40 | 48,3             | 18 | 150 | 110 | 18 | 49,5  | 4                | 2,08        | ▪             |               | ▪             |
| 50                     | 16 | 60,3             | 20 | 165 | 125 | 18 | 61,5  | 4                | 2,73        | ▪             |               | ▪             |
| 65                     | 16 | 76,1             | 20 | 185 | 145 | 18 | 77,5  | 4                | 3,16        | ▪             |               | ▪             |
| 65                     | 16 | 76,1             | 20 | 185 | 145 | 18 | 77,5  | 8                | 3,16        |               |               | ▪             |
| 80                     | 16 | 88,9             | 20 | 200 | 160 | 18 | 90,5  | 8                | 3,60        | ▪             | ▪             | ▪             |
| 100                    | 16 | 114,3            | 22 | 220 | 180 | 18 | 116,0 | 8                | 4,39        | ▪             |               | ▪             |
| 125                    | 16 | 139,7            | 22 | 250 | 210 | 18 | 141,5 | 8                | 5,41        | ▪             | ▪             | ▪             |
| 150                    | 16 | 168,3            | 24 | 285 | 240 | 22 | 170,5 | 8                | 7,14        | ▪             |               | ▪             |
| 200                    | 10 | 219,1            | 24 | 340 | 295 | 22 | 221,5 | 8                | 9,27        | ▪             |               | ▪             |
| 250                    | 10 | 273,0            | 26 | 395 | 350 | 22 | 276,5 | 12               | 11,80       | ▪             | ▪             | ▪             |
| 300                    | 10 | 323,9            | 26 | 445 | 400 | 22 | 327,5 | 12               | 13,60       | ▪             |               | ▪             |
| 350                    | 10 | 355,6            | 30 | 505 | 460 | 22 | 359,5 | 16               | 20,40       | ▪             |               | ▪             |
| 400                    | 10 | 406,4            | 32 | 565 | 515 | 26 | 411,0 | 16               | 27,50       | ▪             |               | ▪             |
| 500                    | 10 | 508,0            | 38 | 670 | 620 | 26 | 513,5 | 20               | 40,20       | ▪             |               | ▪             |

\* Ook volgens DIN leverbaar



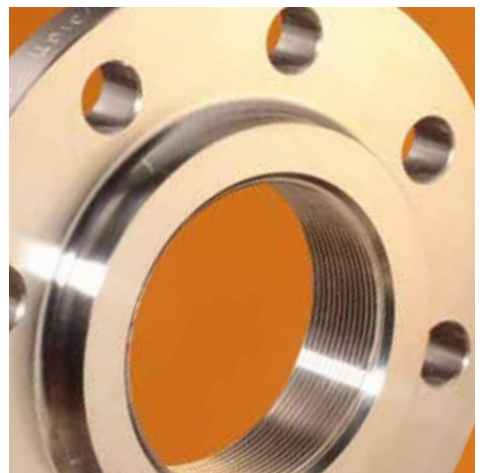
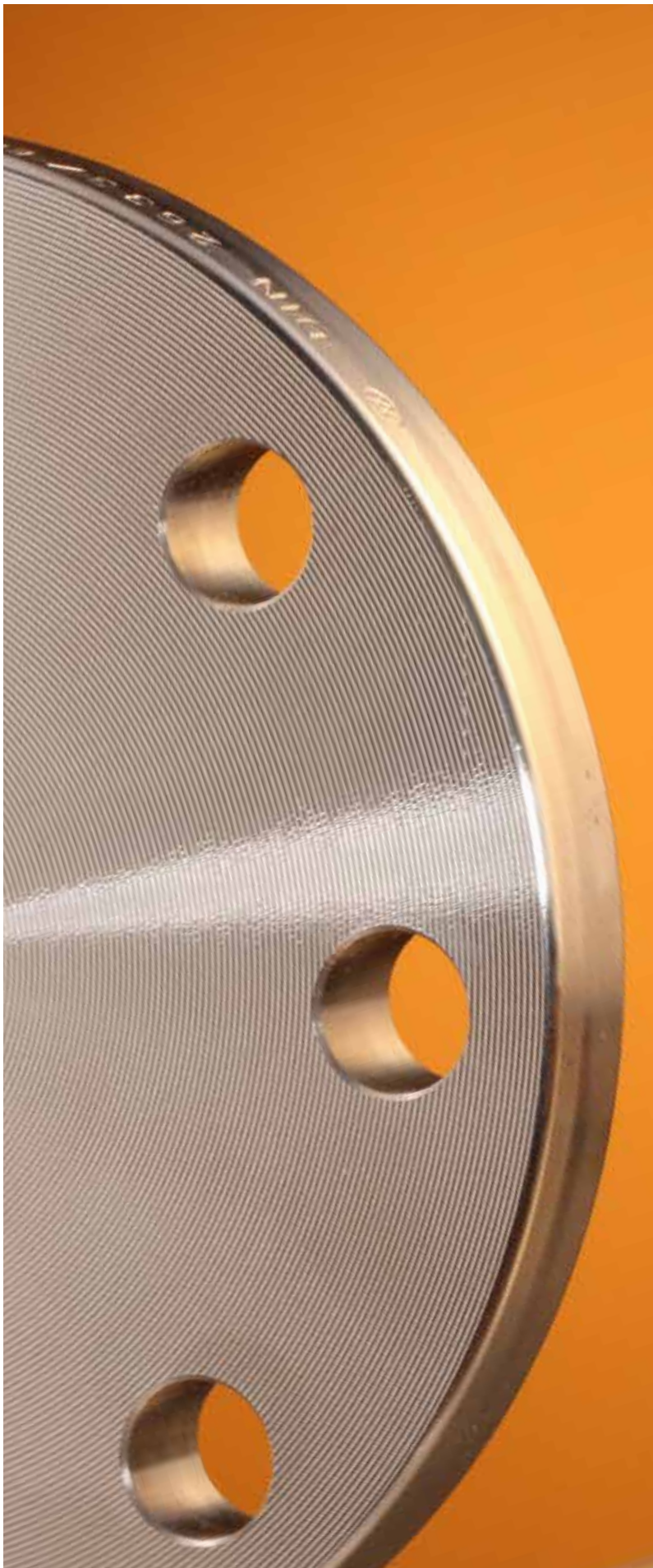


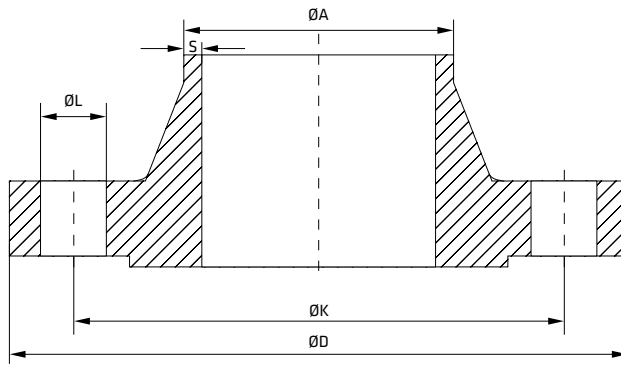
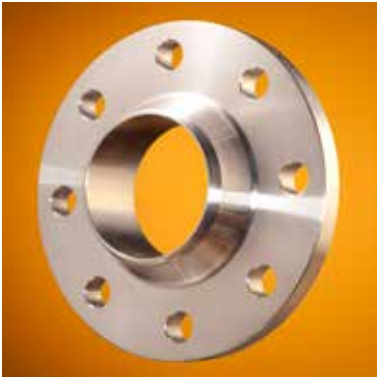
| Nominale druk/diameter |    | Buis-aansluiting | b  | D   | $\varnothing k$ | $d_2$ | Aantal schroeven | Theor. Gew. | W.-Nr. 1.4541 | W.-Nr. 1.4571 |
|------------------------|----|------------------|----|-----|-----------------|-------|------------------|-------------|---------------|---------------|
| DN                     | PN | mm               | mm | mm  | mm              | mm    |                  | kg/St.      | AISI 321 *)   | AISI 316Ti *) |
| 15                     | 10 | 21,3             | 14 | 95  | 65              | 14    | 4                | 0,67        | ▪             | ▪             |
| 20                     | 10 | 26,9             | 16 | 105 | 75              | 14    | 4                | 0,94        | ▪             | ▪             |
| 25                     | 10 | 33,7             | 16 | 115 | 85              | 14    | 4                | 1,11        | ▪             | ▪             |
| 32                     | 10 | 42,4             | 16 | 140 | 100             | 18    | 4                | 1,62        | ▪             | ▪             |
| 40                     | 10 | 48,3             | 16 | 150 | 110             | 18    | 4                | 1,86        | ▪             | ▪             |
| 100                    | 10 | 108,0            | 20 | 220 | 180             | 18    | 8                | 4,20        | ▪             | ▪             |
| 125                    | 10 | 133,0            | 22 | 250 | 210             | 18    | 8                | 5,71        | ▪             | ▪             |
| 150                    | 10 | 159,0            | 22 | 285 | 240             | 22    | 8                | 6,72        | ▪             | ▪             |
| 150                    | 10 | 168,3            | 22 | 285 | 240             | 22    | 8                | 6,72        | ▪             | ▪             |
| 200                    | 10 | 219,1            | 24 | 340 | 295             | 22    | 8                | 9,31        | ▪             | ▪             |



| Nominale druk/diameter |    | Buis-aansluiting $d_1$ | b  | D   | $\varnothing k$ | $d_2$ | Aantal schroeven | Theor. Gew. | W.-Nr. 1.4301<br>AISI 304 *) | W.-Nr. 1.4571<br>AISI 316Ti *) |
|------------------------|----|------------------------|----|-----|-----------------|-------|------------------|-------------|------------------------------|--------------------------------|
| DN                     | PN | mm                     | mm | mm  | mm              | mm    |                  | kg/St.      |                              |                                |
| 50                     | 10 | 60,3                   | 10 | 165 | 125             | 18    | 4                | 1,37        | ▪                            | ▪                              |
| 65                     | 10 | 76,1                   | 10 | 185 | 145             | 18    | 4                | 1,67        | ▪                            | ▪                              |
| 80                     | 10 | 88,9                   | 10 | 200 | 160             | 18    | 8                | 1,89        | ▪                            | ▪                              |
| 100                    | 10 | 114,3                  | 10 | 220 | 180             | 18    | 8                | 2,02        | ▪                            | ▪                              |
| 125                    | 10 | 139,7                  | 10 | 250 | 210             | 18    | 8                | 2,48        |                              | ▪                              |
| 125                    | 10 | 139,7                  | 12 | 250 | 210             | 18    | 8                | 2,98        | ▪                            | ▪                              |
| 150                    | 10 | 168,3                  | 10 | 285 | 240             | 22    | 8                | 2,98        |                              | ▪                              |
| 150                    | 10 | 168,3                  | 12 | 285 | 240             | 22    | 8                | 3,58        | ▪                            | ▪                              |
| 200                    | 10 | 219,1                  | 12 | 340 | 295             | 22    | 8                | 4,66        | ▪                            | ▪                              |
| 250                    | 10 | 273,0                  | 12 | 395 | 350             | 22    | 12               | 5,49        |                              | ▪                              |
| 250                    | 10 | 273,0                  | 15 | 395 | 350             | 22    | 12               | 6,86        | ▪                            |                                |
| 300                    | 10 | 323,9                  | 12 | 445 | 400             | 22    | 12               | 6,36        |                              | ▪                              |
| 300                    | 10 | 323,9                  | 15 | 445 | 400             | 22    | 12               | 7,96        | ▪                            | ▪                              |
| 350                    | 10 | 355,6                  | 12 | 505 | 460             | 22    | 16               | 8,82        |                              | ▪                              |
| 350                    | 10 | 355,6                  | 15 | 505 | 460             | 22    | 16               | 11,04       | ▪                            | ▪                              |
| 400                    | 10 | 406,4                  | 12 | 565 | 515             | 26    | 16               | 10,46       |                              | ▪                              |
| 400                    | 10 | 406,4                  | 15 | 565 | 515             | 26    | 16               | 13,08       | ▪                            | ▪                              |
| 500                    | 10 | 508,0                  | 15 | 670 | 620             | 26    | 20               | 16,22       |                              | ▪                              |
| 500                    | 10 | 508,0                  | 20 | 670 | 620             | 26    | 20               | 21,63       | ▪                            | ▪                              |

\* Ook volgens DIN leverbaar

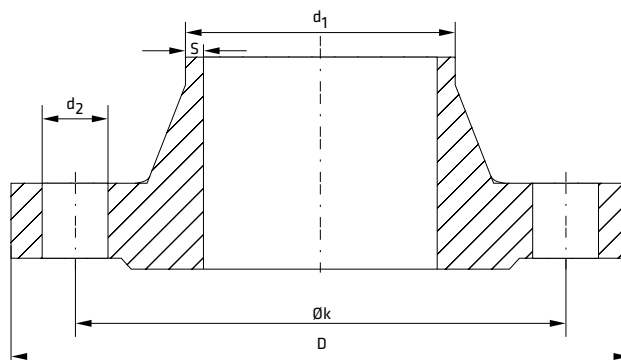




| Nominale druk/diameter |    | Buis-aansluiting ØA<br>mm | S<br>mm | ØD<br>mm | ØK<br>mm | ØL<br>mm | Aantal schroeven | Theor. Gew.<br>kg/St. | W.-Nr. 1.4301 | W.-Nr. 1.4541 | W.-Nr. 1.4571 |
|------------------------|----|---------------------------|---------|----------|----------|----------|------------------|-----------------------|---------------|---------------|---------------|
| DN                     | PN |                           |         |          |          |          |                  |                       | AISI 304 *)   | AISI 321 *)   | AISI 316Ti *) |
| 10                     | 40 | 17,2                      | 2,00    | 90       | 60       | 14       | 4                | 0,68                  |               |               | ▪             |
| 15                     | 40 | 21,3                      | 2,00    | 95       | 65       | 14       | 4                | 0,77                  | ▪             | ▪             | ▪             |
| 20                     | 40 | 26,9                      | 2,30    | 105      | 75       | 14       | 4                | 1,09                  | ▪             | ▪             | ▪             |
| 25                     | 40 | 33,7                      | 2,60    | 115      | 85       | 14       | 4                | 1,30                  | ▪             | ▪             | ▪             |
| 32                     | 40 | 42,4                      | 2,60    | 140      | 100      | 18       | 4                | 1,91                  | ▪             | ▪             | ▪             |
| 40                     | 40 | 48,3                      | 2,60    | 150      | 110      | 18       | 4                | 2,15                  | ▪             | ▪             | ▪             |
| 50                     | 16 | 60,3                      | 2,90    | 165      | 125      | 18       | 4                | 2,53                  | ▪             | ▪             | ▪             |
| 50                     | 40 | 60,3                      | 2,90    | 165      | 125      | 18       | 4                | 2,85                  |               |               | ▪             |
| 65                     | 16 | 76,1                      | 2,90    | 185      | 145      | 18       | 4                | 3,03                  | ▪             | ▪             | ▪             |
| 65                     | 16 | 76,1                      | 2,90    | 185      | 145      | 18       | 8                | 3,03                  | ▪             | ▪             | ▪             |
| 65                     | 40 | 76,1                      | 2,90    | 185      | 145      | 18       | 8                | 3,68                  |               |               | ▪             |
| 80                     | 16 | 88,9                      | 3,20    | 200      | 160      | 18       | 8                | 3,92                  | ▪             | ▪             | ▪             |
| 80                     | 40 | 88,9                      | 3,20    | 200      | 160      | 18       | 8                | 4,78                  |               |               | ▪             |
| 100                    | 16 | 114,3                     | 3,60    | 220      | 180      | 18       | 8                | 4,62                  | ▪             | ▪             | ▪             |
| 100                    | 40 | 114,3                     | 3,60    | 235      | 190      | 22       | 8                | 6,46                  |               |               | ▪             |
| 125                    | 16 | 139,7                     | 4,00    | 250      | 210      | 18       | 8                | 6,30                  | ▪             | ▪             | ▪             |
| 125                    | 40 | 139,7                     | 4,00    | 270      | 220      | 26       | 8                | 8,86                  |               |               | ▪             |
| 150                    | 16 | 168,3                     | 4,50    | 285      | 240      | 22       | 8                | 7,81                  | ▪             | ▪             | ▪             |
| 150                    | 40 | 168,3                     | 4,50    | 300      | 250      | 26       | 8                | 11,70                 |               |               | ▪             |
| 200                    | 10 | 219,1                     | 6,30    | 340      | 295      | 22       | 8                | 11,50                 | ▪             | ▪             | ▪             |
| 200                    | 16 | 219,1                     | 6,30    | 340      | 295      | 22       | 12               | 11,60                 |               | ▪             | ▪             |
| 200                    | 40 | 219,1                     | 6,30    | 375      | 320      | 30       | 12               | 21,00                 |               |               | ▪             |
| 250                    | 10 | 273,0                     | 6,30    | 395      | 350      | 22       | 12               | 15,80                 | ▪             | ▪             | ▪             |
| 250                    | 16 | 273,0                     | 6,30    | 405      | 355      | 26       | 26               | 16,70                 |               |               | ▪             |
| 300                    | 10 | 323,9                     | 7,10    | 445      | 400      | 22       | 12               | 18,30                 | ▪             | ▪             | ▪             |
| 300                    | 16 | 323,9                     | 7,10    | 460      | 410      | 26       | 26               | 22,10                 |               |               | ▪             |
| 350                    | 10 | 355,6                     | 7,10    | 505      | 460      | 22       | 16               | 25,30                 | ▪             | ▪             | ▪             |
| 400                    | 10 | 406,4                     | 7,10    | 565      | 515      | 26       | 16               | 30,60                 | ▪             | ▪             | ▪             |
| 500                    | 10 | 508,0                     | 7,10    | 670      | 620      | 26       | 20               | 40,50                 |               |               | ▪             |

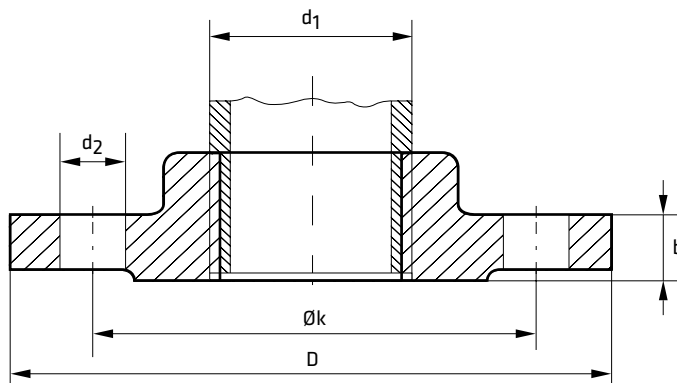
| Nominale druk/<br>diameter |    | Buis-<br>aan-<br>sluiting<br>ØA | S    | ØD  | ØK  | ØL | Aantal<br>schroeven | Theor.<br>Gew. | W.-Nr.<br>1.4462             | W.-Nr.<br>1.4539  |
|----------------------------|----|---------------------------------|------|-----|-----|----|---------------------|----------------|------------------------------|-------------------|
| DN                         | PN | mm                              | mm   | mm  | mm  | mm |                     | kg/St.         | UNS<br>S31803<br>)<br>Duplex | AISI<br>904L<br>) |
| 15                         | 40 | 21,34                           | 2,11 | 95  | 65  | 14 | 4                   | 1,00           | ▪                            | ▪                 |
| 15                         | 40 | 21,34                           | 2,77 | 95  | 65  | 14 | 4                   | 1,02           | ▪                            | ▪                 |
| 20                         | 40 | 26,67                           | 2,87 | 105 | 75  | 14 | 4                   | 1,05           | ▪                            | ▪                 |
| 25                         | 40 | 33,40                           | 2,77 | 115 | 85  | 14 | 4                   | 1,31           | ▪                            | ▪                 |
| 25                         | 40 | 33,40                           | 3,38 | 115 | 85  | 14 | 4                   | 1,32           | ▪                            | ▪                 |
| 32                         | 40 | 42,16                           | 2,77 | 140 | 100 | 18 | 4                   | 1,95           | ▪                            | ▪                 |
| 32                         | 40 | 42,16                           | 3,56 | 140 | 100 | 18 | 4                   | 1,92           | ▪                            | ▪                 |
| 40                         | 40 | 48,26                           | 2,77 | 150 | 110 | 18 | 4                   | 2,16           | ▪                            | ▪                 |
| 40                         | 40 | 48,26                           | 3,68 | 150 | 110 | 18 | 4                   | 2,20           | ▪                            | ▪                 |
| 50                         | 16 | 60,30                           | 2,77 | 165 | 125 | 18 | 4                   | 2,52           | ▪                            | ▪                 |
| 50                         | 16 | 60,30                           | 3,91 | 165 | 125 | 18 | 4                   | 2,58           | ▪                            | ▪                 |
| 50                         | 16 | 60,30                           | 5,54 | 165 | 125 | 18 | 4                   | 2,62           | ▪                            | ▪                 |
| 65                         | 16 | 73,03                           | 3,05 | 185 | 145 | 18 | 8                   | 3,03           | ▪                            | ▪                 |
| 65                         | 16 | 73,03                           | 5,16 | 185 | 145 | 18 | 8                   | 3,20           | ▪                            | ▪                 |
| 65                         | 16 | 76,10                           | 4,00 | 185 | 145 | 18 | 8                   | 3,16           | ▪                            | ▪                 |
| 80                         | 16 | 88,90                           | 3,05 | 200 | 160 | 18 | 8                   | 4,00           | ▪                            | ▪                 |
| 80                         | 16 | 88,90                           | 4,00 | 200 | 160 | 18 | 8                   | 4,00           | ▪                            | ▪                 |
| 80                         | 16 | 88,90                           | 5,49 | 200 | 160 | 18 | 8                   | 4,92           | ▪                            | ▪                 |
| 100                        | 16 | 114,30                          | 3,05 | 220 | 180 | 18 | 8                   | 4,54           | ▪                            | ▪                 |
| 100                        | 16 | 114,30                          | 6,02 | 220 | 180 | 18 | 8                   | 4,95           | ▪                            | ▪                 |
| 125                        | 16 | 139,70                          | 6,55 | 250 | 210 | 18 | 8                   | 6,75           | ▪                            | ▪                 |
| 125                        | 16 | 141,30                          | 6,55 | 250 | 210 | 18 | 8                   | 6,95           | ▪                            | ▪                 |
| 150                        | 16 | 168,30                          | 7,11 | 285 | 240 | 22 | 8                   | 8,37           | ▪                            | ▪                 |
| 200                        | 16 | 219,10                          | 8,18 | 340 | 295 | 22 | 12                  | 12,19          | ▪                            | ▪                 |

\* Ook volgens DIN leverbaar

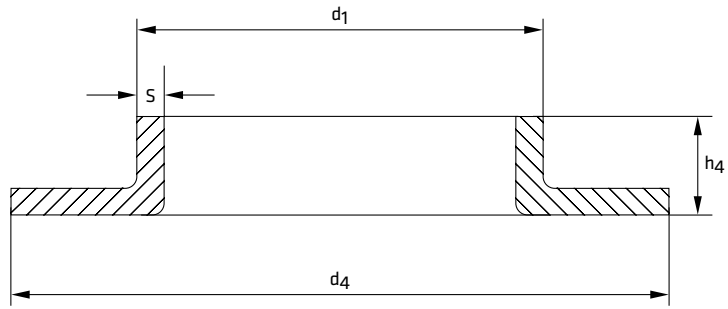


| Nominale druk/diameter |    | Buis-aansluiting d <sub>1</sub> | S   | D   | Øk  | d <sub>2</sub> | Aantal schroeven | Theor. Gew. | W.-Nr. 14571  |
|------------------------|----|---------------------------------|-----|-----|-----|----------------|------------------|-------------|---------------|
| DN                     | PN | mm                              | mm  | mm  | mm  | mm             |                  | kg/St.      | AISI 316Ti *) |
| 10                     | 16 | 17,2                            | 1,8 | 90  | 60  | 14             | 4                | 0,58        | ▪             |
| 15                     | 16 | 21,3                            | 2,0 | 95  | 65  | 14             | 4                | 0,65        | ▪             |
| 20                     | 16 | 26,9                            | 2,0 | 105 | 75  | 14             | 4                | 0,95        | ▪             |
| 25                     | 16 | 33,7                            | 2,6 | 115 | 85  | 14             | 4                | 1,14        | ▪             |
| 32                     | 16 | 42,4                            | 2,6 | 140 | 100 | 18             | 4                | 1,69        | ▪             |
| 40                     | 16 | 48,3                            | 2,6 | 150 | 110 | 18             | 4                | 1,86        | ▪             |
| 100                    | 16 | 108,0                           | 3,6 | 220 | 180 | 18             | 8                | 4,62        | ▪             |
| 125                    | 16 | 133,0                           | 4,0 | 250 | 210 | 18             | 8                | 6,30        | ▪             |
| 150                    | 16 | 159,0                           | 4,5 | 285 | 240 | 22             | 8                | 7,75        | ▪             |





| Nominale druk/<br>diameter |         | Whitworth draad<br>DIN 2999 | $d_1$<br>mm | D<br>mm | b<br>mm | $\varnothing k$<br>mm | $d_2$<br>mm | Aantal<br>schroeven | Theor.<br>Gew.<br>kg/St. | W.-Nr.<br>1.4571<br><br>AISI<br>316Ti<br>(*) |
|----------------------------|---------|-----------------------------|-------------|---------|---------|-----------------------|-------------|---------------------|--------------------------|--|
| DN                         | PN      |                             |             |         |         |                       |             |                     |                          |  |
| 15                         | 10 / 16 | R 1/2"                      | 21,3        | 95      | 14      | 65                    | 14          | 4                   | 0,61                     | ▪  |
| 20                         | 10 / 16 | R 3/4"                      | 26,9        | 105     | 16      | 75                    | 14          | 4                   | 0,91                     | ▪  |
| 25                         | 10 / 16 | R 1"                        | 33,7        | 115     | 16      | 85                    | 14          | 4                   | 1,10                     | ▪  |
| 32                         | 10 / 16 | R 1 1/4"                    | 42,4        | 140     | 16      | 100                   | 18          | 4                   | 1,60                     | ▪  |
| 40                         | 10 / 16 | R 1 1/2"                    | 48,3        | 150     | 16      | 110                   | 18          | 4                   | 1,78                     | ▪  |
| 50                         | 10 / 16 | R 2"                        | 60,3        | 165     | 18      | 125                   | 18          | 4                   | 2,43                     | ▪  |
| 65                         | 10 / 16 | R 2 1/2"                    | 76,1        | 185     | 18      | 145                   | 18          | 4                   | 3,18                     | ▪  |
| 80                         | 10 / 16 | R 3"                        | 88,9        | 200     | 20      | 160                   | 18          | 8                   | 4,12                     | ▪  |
| 100                        | 10 / 16 | R 4"                        | 114,3       | 220     | 20      | 180                   | 18          | 8                   | 4,47                     | ▪  |

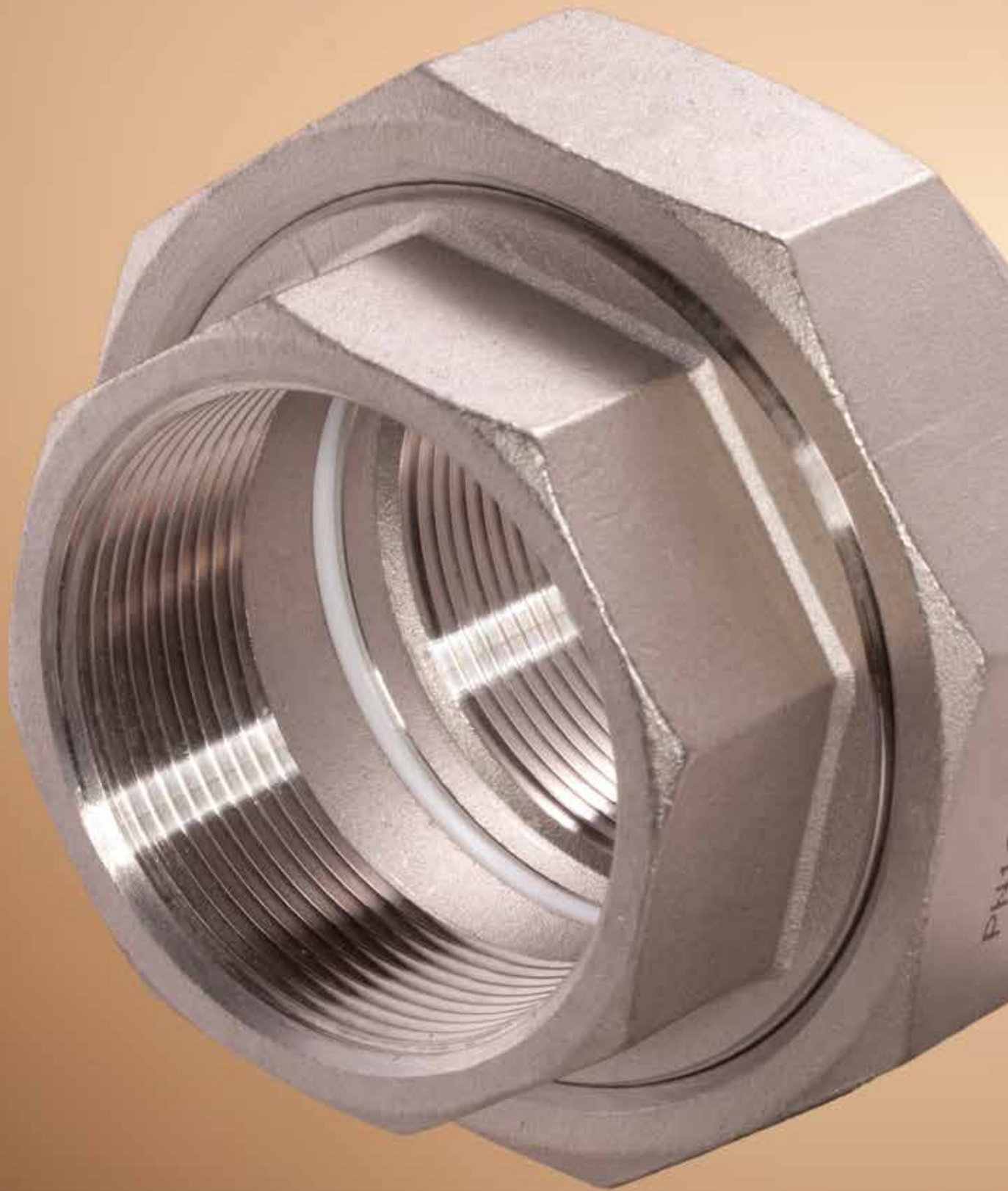


| Buis-aansluiting | S   | h4 | d1    | d4  | Theor. Gew. | W.-Nr. 1.4541 | W.-Nr. 1.4571 |
|------------------|-----|----|-------|-----|-------------|---------------|---------------|
| mm               | mm  | mm | mm    | mm  | kg/St.      | AISI 321 *)   | AISI 316Ti *) |
| 17,2             | 1,8 | 9  | 17,2  | 40  | 0,02        | ▪             |               |
| 17,2             | 2,0 | 9  | 17,2  | 40  | 0,02        |               | ▪             |
| 18,0             | 1,5 | 9  | 18,0  | 45  | 0,03        | ▪             | ▪             |
| 21,3             | 2,0 | 9  | 21,3  | 45  | 0,04        | ▪             | ▪             |
| 23,0             | 1,5 | 12 | 23,0  | 58  | 0,05        |               | ▪             |
| 26,9             | 2,0 | 12 | 26,9  | 58  | 0,06        | ▪             | ▪             |
| 28,0             | 1,5 | 15 | 28,0  | 68  | 0,07        |               | ▪             |
| 33,7             | 2,0 | 15 | 33,7  | 68  | 0,09        | ▪             | ▪             |
| 33,7             | 2,6 | 15 | 33,7  | 68  | 0,11        | ▪             | ▪             |
| 35,0             | 1,5 | 15 | 35,0  | 78  | 0,09        |               | ▪             |
| 42,4             | 2,0 | 15 | 42,4  | 78  | 0,11        | ▪             | ▪             |
| 42,4             | 2,5 | 15 | 42,4  | 78  | 0,12        | ▪             | ▪             |
| 48,3             | 2,0 | 17 | 48,3  | 88  | 0,14        | ▪             | ▪             |
| 48,3             | 2,6 | 17 | 48,3  | 88  | 0,16        | ▪             | ▪             |
| 54,0             | 2,0 | 21 | 54,0  | 102 | 0,19        |               | ▪             |
| 60,3             | 2,0 | 23 | 60,3  | 102 | 0,19        | ▪             | ▪             |
| 60,3             | 2,5 | 23 | 60,3  | 102 | 0,25        |               | ▪             |
| 60,3             | 2,6 | 23 | 60,3  | 102 | 0,25        |               |               |
| 60,3             | 3,0 | 20 | 60,3  | 102 | 0,24        | ▪             | ▪             |
| 70,0             | 2,0 | 23 | 70,0  | 122 | 0,26        |               | ▪             |
| 76,1             | 2,0 | 23 | 76,1  | 122 | 0,25        | ▪             |               |
| 76,1             | 2,6 | 23 | 76,1  | 122 | 0,30        | ▪             | ▪             |
| 76,1             | 3,0 | 23 | 76,1  | 122 | 0,34        |               | ▪             |
| 84,0             | 2,0 | 23 | 84,0  | 138 | 0,27        |               | ▪             |
| 88,9             | 2,0 | 23 | 88,9  | 138 | 0,26        | ▪             |               |
| 88,9             | 2,6 | 23 | 88,9  | 138 | 0,37        | ▪             | ▪             |
| 88,9             | 3,0 | 23 | 88,9  | 138 | 0,40        | ▪             | ▪             |
| 104,0            | 2,0 | 27 | 104,0 | 158 | 0,43        |               | ▪             |
| 108,0            | 3,0 | 28 | 108,0 | 158 | 0,56        |               | ▪             |
| 114,3            | 2,0 | 28 | 114,3 | 160 | 0,40        | ▪             |               |
| 114,3            | 2,6 | 28 | 114,3 | 160 | 0,47        | ▪             | ▪             |



| Buis-aansluiting | S   | h <sub>4</sub> | d <sub>1</sub> | d <sub>4</sub> | Theor. Gew. | W.-Nr. 1.4541 | W.-Nr. 1.4571 |
|------------------|-----|----------------|----------------|----------------|-------------|---------------|---------------|
| mm               | mm  | mm             | mm             | mm             | kg/St.      | AISI 321 *)   | AISI 316Ti *) |
| 114,3            | 3,0 | 28             | 114,3          | 160            | 0,51        |               | ▪             |
| 129,0            | 2,0 | 30             | 129,0          | 188            | 0,55        |               | ▪             |
| 133,0            | 3,0 | 30             | 133,0          | 188            | 0,72        |               | ▪             |
| 139,7            | 2,6 | 30             | 139,7          | 188            | 0,52        | ▪             | ▪             |
| 139,7            | 3,0 | 30             | 139,7          | 188            | 0,66        |               | ▪             |
| 154,0            | 2,0 | 31             | 154,0          | 212            | 0,54        |               | ▪             |
| 159,0            | 3,0 | 30             | 159,0          | 212            | 0,52        |               | ▪             |
| 168,3            | 2,5 | 30             | 168,3          | 212            | 0,61        |               | ▪             |
| 168,3            | 2,6 | 30             | 168,3          | 212            | 0,64        | ▪             |               |
| 168,3            | 3,0 | 30             | 168,3          | 212            | 0,75        | ▪             | ▪             |
| 204,0            | 2,0 | 30             | 204,0          | 270            | 0,77        |               | ▪             |
| 219,1            | 3,0 | 30             | 219,1          | 270            | 1,08        | ▪             | ▪             |
| 254,0            | 2,0 | 30             | 254,0          | 320            | 0,98        |               | ▪             |
| 273,0            | 3,0 | 30             | 273,0          | 320            | 1,34        | ▪             | ▪             |
| 273,0            | 4,0 | 30             | 273,0          | 320            | 1,43        |               | ▪             |
| 306,0            | 3,0 | 35             | 306,0          | 370            | 1,51        |               | ▪             |
| 323,9            | 3,0 | 35             | 323,9          | 370            | 1,35        | ▪             | ▪             |
| 323,9            | 4,0 | 35             | 323,9          | 370            | 1,80        |               | ▪             |
| 355,6            | 3,0 | 35             | 355,6          | 430            | 1,88        | ▪             | ▪             |
| 355,6            | 4,0 | 35             | 355,6          | 430            | 2,51        |               | ▪             |
| 406,4            | 3,0 | 37             | 406,4          | 482            | 2,15        | ▪             | ▪             |
| 406,4            | 4,0 | 37             | 406,4          | 482            | 2,86        | ▪             | ▪             |
| 508,0            | 3,0 | 37             | 508,0          | 585            | 2,77        |               | ▪             |
| 508,0            | 4,0 | 37             | 508,0          | 585            | 3,70        | ▪             | ▪             |
| 609,6            | 4,0 | 45             | 609,6          | 685            | 4,75        |               | ▪             |

| Buis-aansluiting | S   | h <sub>4</sub> | d <sub>1</sub> | d <sub>4</sub> | Theor. Gew. | W.-Nr. 1.4539 |
|------------------|-----|----------------|----------------|----------------|-------------|---------------|
| mm               | mm  | mm             | mm             | mm             | kg/St.      | AISI 904L *)  |
| 26,9             | 3,0 | 12             | 26,9           | 58             | 0,07        | ▪             |
| 42,4             | 3,0 | 15             | 42,4           | 78             | 0,14        | ▪             |
| 60,3             | 3,0 | 20             | 60,3           | 102            | 0,24        | ▪             |
| 219,1            | 2,6 | 30             | 219,1          | 270            | 0,82        | ▪             |
| 273,0            | 3,0 | 30             | 273,0          | 320            | 1,34        | ▪             |
| 323,9            | 3,0 | 35             | 323,9          | 370            | 1,35        | ▪             |



## DRAADFITTINGEN

172 - 189

# De juiste aansluiting vinden

Buizen lopen niet altijd in een rechte lijn – de juiste fittingen maken het mogelijk om van deze rechte lijn af te wijken. Wij hebben hierop ingespeeld. Onze complete sortering draadfittingen voorziet u altijd van de juiste aansluiting.

## Fittingen | draadfittingen

\* oplossend gegloeid, gebeitst of metaalblank

## Technische leveringscondities

DIN EN 10088-3, DIN EN 10216-5, DIN EN 10217-7 van het voormateriaal resp. van het eindproduct ook in combinatie met AD-2000-Merkblatt W 2/W 9/W 10 indien overeengekomen

## Toleranties

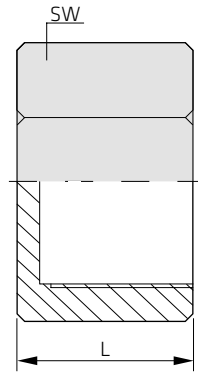
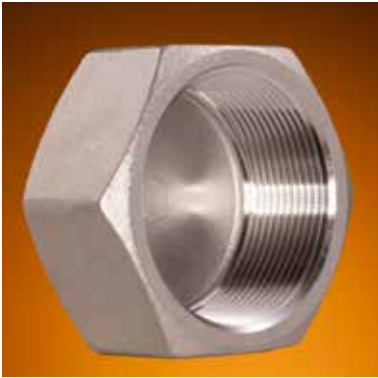
DIN EN 10241 en gelijk aan 1) DIN 2982, 2986, 2987

## Keuringscertificaten

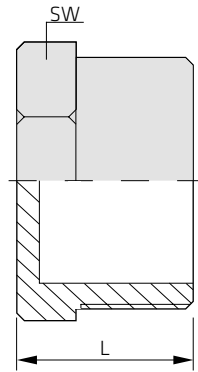
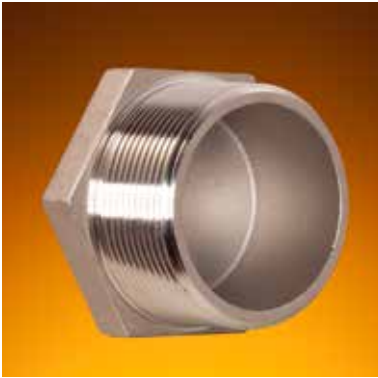
DIN EN 10204 3.1 van het voormateriaal resp. van het eindproduct

<sup>1)</sup> Afwijkingen en uitvoeringen kunnen door aankopen bij verschillende producenten afwijken. Afstemming eventueel noodzakelijk

\* Inhoud zie pagina 172 tot 189

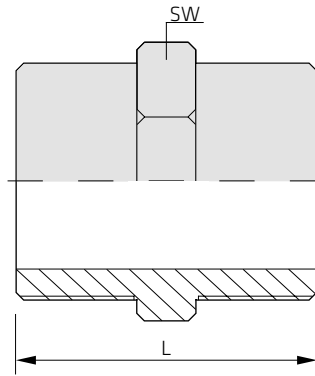
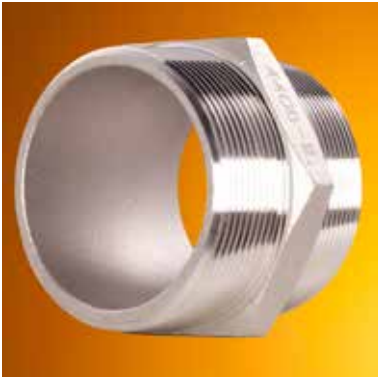


| INCH   | Nominale diameter | L  | SW | Theor. Gew. | W.-Nr. 1.4408 |
|--------|-------------------|----|----|-------------|---------------|
|        |                   | mm | mm | kg/St.      | AISI 316      |
| 1/4"   | 8                 | 17 | 18 | 0,03        | ▪             |
| 3/8"   | 10                | 19 | 21 | 0,04        | ▪             |
| 1/2"   | 15                | 20 | 27 | 0,05        | ▪             |
| 3/4"   | 20                | 24 | 30 | 0,08        | ▪             |
| 1"     | 25                | 25 | 38 | 0,14        | ▪             |
| 1 1/4" | 32                | 28 | 50 | 0,20        | ▪             |
| 1 1/2" | 40                | 28 | 55 | 0,23        | ▪             |
| 2"     | 50                | 34 | 70 | 0,44        | ▪             |

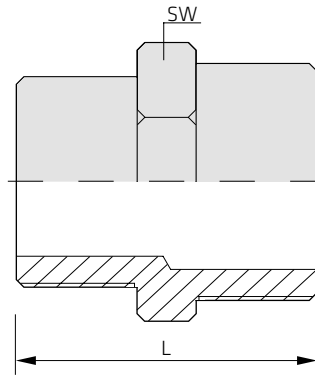


| INCH   | Nominale diameter | L    | SW | Theor. Gew. | W.-Nr. 1.4408 |
|--------|-------------------|------|----|-------------|---------------|
|        |                   | mm   | mm | kg/St.      | AISI 316      |
| 1/4"   | 8                 | 17,5 | 16 | 0,02        | ▪             |
| 3/8"   | 10                | 18,0 | 20 | 0,04        | ▪             |
| 1/2"   | 15                | 25,0 | 24 | 0,07        | ▪             |
| 3/4"   | 20                | 26,0 | 30 | 0,11        | ▪             |
| 1"     | 25                | 29,0 | 38 | 0,15        | ▪             |
| 1 1/4" | 32                | 35,0 | 46 | 0,26        | ▪             |
| 1 1/2" | 40                | 38,0 | 52 | 0,37        | ▪             |
| 2"     | 50                | 39,0 | 65 | 0,50        | ▪             |

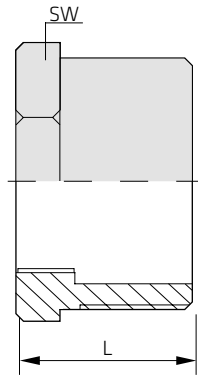
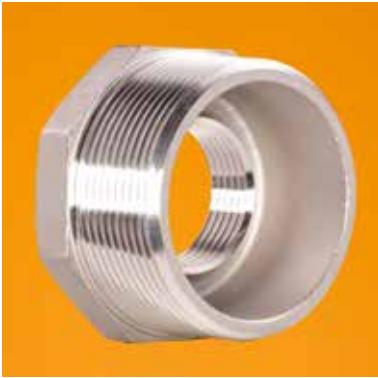
# Zeskant nippel | roestvast



| INCH   | Nominale diameter | L    | SW   | Theor. Gew. | W.-Nr. 1.4408 |
|--------|-------------------|------|------|-------------|---------------|
|        |                   | mm   | mm   | kg/St.      | AISI 316      |
| 1/4"   | 8                 | 27,8 | 16,0 | 0,02        | ▪             |
| 3/8"   | 10                | 28,0 | 19,0 | 0,04        | ▪             |
| 1/2"   | 15                | 34,0 | 21,6 | 0,06        | ▪             |
| 3/4"   | 20                | 40,0 | 30,0 | 0,09        | ▪             |
| 1"     | 25                | 46,0 | 36,0 | 0,14        | ▪             |
| 1 1/4" | 32                | 52,5 | 46,0 | 0,23        | ▪             |
| 1 1/2" | 40                | 54,0 | 50,0 | 0,29        | ▪             |
| 2"     | 50                | 62,0 | 64,5 | 0,46        | ▪             |

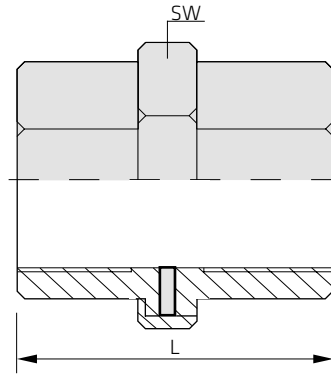
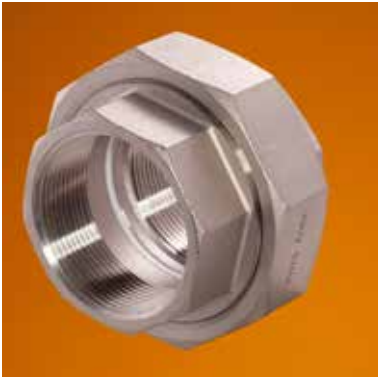


| INCH            | Nominale diameter | L    | SW   | Theor. Gew. | W.-Nr. 1.4408 |
|-----------------|-------------------|------|------|-------------|---------------|
|                 |                   | mm   | mm   | kg/St.      | AISI 316      |
| 1/4" x 1/8"     | 8 x 6             | 34,0 | 18,0 | 0,03        | ▪             |
| 3/8" x 1/4"     | 10 x 8            | 35,5 | 21,0 | 0,05        | ▪             |
| 1/2" x 3/8"     | 15 x 10           | 41,0 | 26,0 | 0,07        | ▪             |
| 3/4" x 1/2"     | 20 x 15           | 46,0 | 30,0 | 0,11        | ▪             |
| 1" x 3/4"       | 25 x 20           | 50,0 | 37,0 | 0,17        | ▪             |
| 1 1/4" x 1"     | 32 x 25           | 54,0 | 46,0 | 0,25        | ▪             |
| 1 1/2" x 1 1/4" | 40 x 32           | 59,0 | 51,5 | 0,37        | ▪             |
| 2" x 1"         | 50 x 25           | 57,0 | 63,0 | 0,43        | ▪             |
| 2" x 1 1/2"     | 50 x 40           | 65,4 | 64,0 | 0,52        | ▪             |



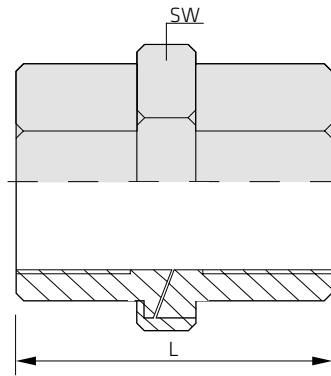
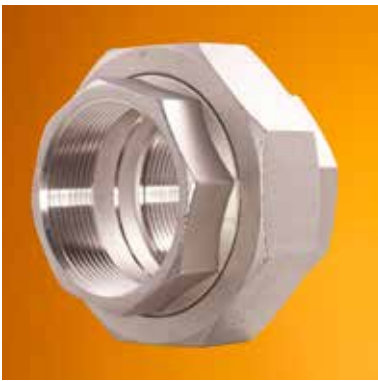
| INCH            | Nominale diameter | L    | SW | Theor. Gew. | W.-Nr. 1.4408 |
|-----------------|-------------------|------|----|-------------|---------------|
|                 |                   | mm   | mm | kg/St.      | AISI 316      |
| 1/4" x 1/8"     | 8 x 6             | 15,2 | 16 | 0,01        | ▪             |
| 3/8" x 1/4"     | 10 x 8            | 16,5 | 18 | 0,02        | ▪             |
| 1/2" x 3/8"     | 15 x 10           | 22,0 | 26 | 0,03        | ▪             |
| 3/4" x 1/2"     | 20 x 15           | 24,0 | 30 | 0,05        | ▪             |
| 1" x 3/4"       | 25 x 20           | 27,0 | 35 | 0,09        | ▪             |
| 1 1/4" x 1"     | 32 x 25           | 30,0 | 45 | 0,14        | ▪             |
| 1 1/2" x 1 1/4" | 40 x 32           | 38,0 | 52 | 0,17        | ▪             |
| 2" x 1"         | 50 x 25           | 37,0 | 63 | 0,45        | ▪             |
| 2" x 1 1/2"     | 50 x 40           | 37,0 | 63 | 0,33        | ▪             |



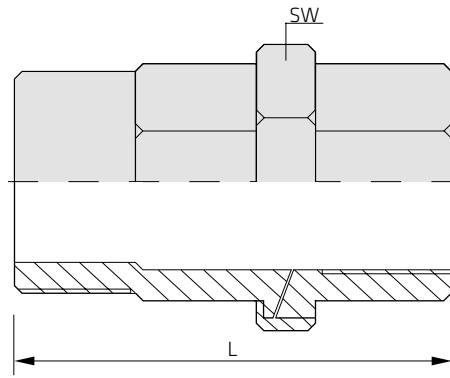


| INCH   | Nominale diameter | L    | SW | Theor. Gew. | W.-Nr. 1.4408 |
|--------|-------------------|------|----|-------------|---------------|
|        |                   | mm   | mm | kg/St.      | AISI 316      |
| 1/4"   | 8                 | 34,0 | 30 | 0,15        | ▪             |
| 3/8"   | 10                | 37,0 | 35 | 0,19        | ▪             |
| 1/2"   | 15                | 40,5 | 41 | 0,19        | ▪             |
| 3/4"   | 20                | 43,0 | 48 | 0,40        | ▪             |
| 1"     | 25                | 50,5 | 54 | 0,48        | ▪             |
| 1 1/4" | 32                | 54,5 | 65 | 0,63        | ▪             |
| 1 1/2" | 40                | 58,5 | 72 | 0,81        | ▪             |
| 2"     | 50                | 65,5 | 88 | 1,16        | ▪             |

# Koppeling conisch bi/bi | roestvast

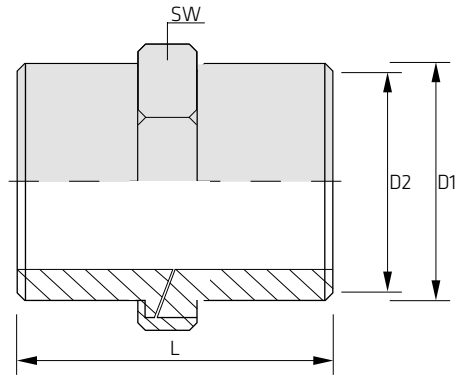
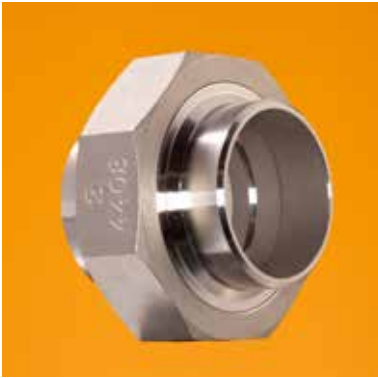


| INCH   | Nominale diameter | L    | SW | Theor. Gew. | W.-Nr. 1.4408 |
|--------|-------------------|------|----|-------------|---------------|
|        |                   | mm   | mm | kg/St.      | AISI 316      |
| 1/4"   | 8                 | 34,0 | 30 | 0,15        | ▪             |
| 3/8"   | 10                | 37,0 | 35 | 0,20        | ▪             |
| 1/2"   | 15                | 40,5 | 41 | 0,19        | ▪             |
| 3/4"   | 20                | 43,0 | 48 | 0,28        | ▪             |
| 1"     | 25                | 50,5 | 54 | 0,42        | ▪             |
| 1 1/4" | 32                | 54,5 | 65 | 0,62        | ▪             |
| 1 1/2" | 40                | 58,5 | 72 | 0,82        | ▪             |
| 2"     | 50                | 65,5 | 88 | 1,22        | ▪             |

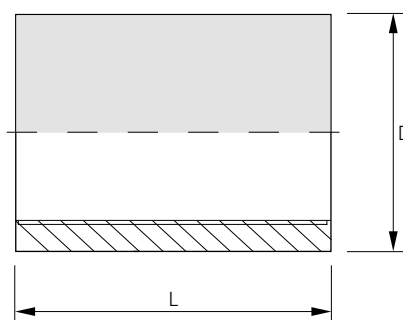
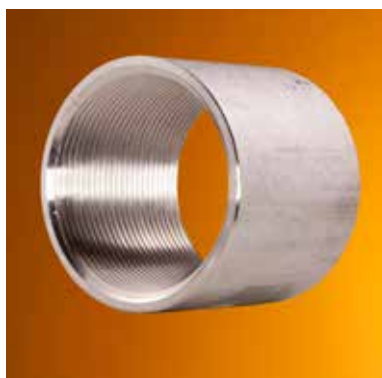


| INCH   | Nominale diameter | L    | SW | Theor. Gew. | W.-Nr. 1.4408 |
|--------|-------------------|------|----|-------------|---------------|
|        |                   | mm   | mm | kg/St.      | AISI 316      |
| 1/4"   | 8                 | 45,0 | 30 | 0,15        | ▪             |
| 3/8"   | 10                | 48,5 | 35 | 0,20        | ▪             |
| 1/2"   | 15                | 55,5 | 41 | 0,23        | ▪             |
| 3/4"   | 20                | 59,0 | 48 | 0,36        | ▪             |
| 1"     | 25                | 69,0 | 54 | 0,40        | ▪             |
| 1 1/4" | 32                | 75,5 | 65 | 0,77        | ▪             |
| 1 1/2" | 40                | 79,5 | 72 | 0,94        | ▪             |
| 2"     | 50                | 91,0 | 88 | 1,41        | ▪             |

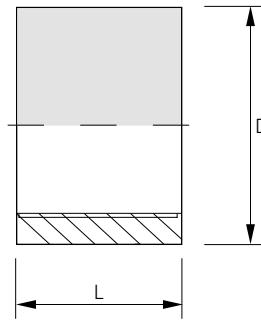
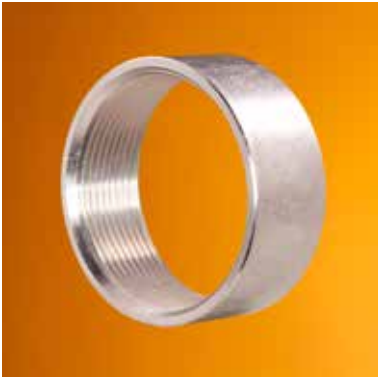
# Koppeling conisch las/las | roestvast



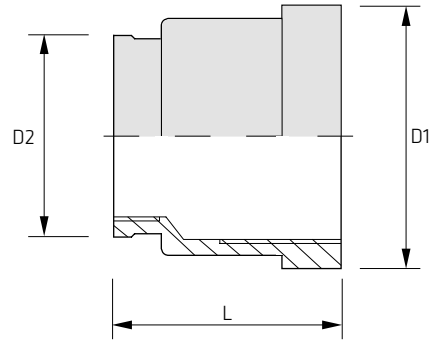
| INCH   | Nominale diameter | L    | SW | D1   | D2   | Theor. Gew. | W.-Nr. 14408 |
|--------|-------------------|------|----|------|------|-------------|--------------|
|        |                   | mm   | mm | mm   | mm   | kg/St.      | AISI 316     |
| 3/8"   | 10                | 38,0 | 35 | 17,2 | 12,7 | 0,20        | ▪            |
| 1/2"   | 15                | 42,0 | 42 | 21,3 | 16,7 | 0,23        | ▪            |
| 3/4"   | 20                | 50,4 | 47 | 26,9 | 21,5 | 0,28        | ▪            |
| 1"     | 25                | 48,0 | 53 | 33,7 | 26,5 | 0,41        | ▪            |
| 1 1/4" | 32                | 59,0 | 71 | 42,4 | 35,8 | 0,62        | ▪            |
| 1 1/2" | 40                | 64,0 | 78 | 48,3 | 42,0 | 0,79        | ▪            |
| 2"     | 50                | 69,0 | 92 | 60,3 | 53,3 | 1,18        | ▪            |



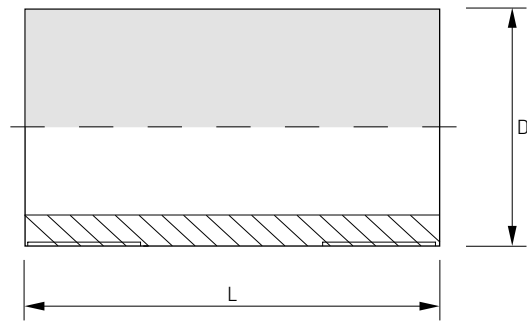
| INCH   | Nominale diameter | L  | D    | Theor. Gew. | W.-Nr. 1.4571 |
|--------|-------------------|----|------|-------------|---------------|
|        |                   | mm | mm   | kg/St.      | AISI 316Ti *) |
| 1/4"   | 8                 | 26 | 19,5 | 0,03        | ▪             |
| 3/8"   | 10                | 27 | 22,3 | 0,04        | ▪             |
| 1/2"   | 15                | 34 | 27,7 | 0,04        | ▪             |
| 3/4"   | 20                | 36 | 33,6 | 0,10        | ▪             |
| 1"     | 25                | 43 | 39,5 | 0,12        | ▪             |
| 1 1/4" | 32                | 48 | 48,3 | 0,15        | ▪             |
| 1 1/2" | 40                | 48 | 54,6 | 0,35        | ▪             |
| 2"     | 50                | 56 | 66,3 | 0,45        | ▪             |



| INCH   | Nominale diameter | L  | D    | Theor. Gew. | W.-Nr. 1.4571 |
|--------|-------------------|----|------|-------------|---------------|
|        |                   | mm | mm   | kg/St.      | AISI 316Ti *) |
| 1/4"   | 8                 | 12 | 19,5 | 0,02        | ▪             |
| 3/8"   | 10                | 13 | 22,3 | 0,02        | ▪             |
| 1/2"   | 15                | 15 | 27,7 | 0,03        | ▪             |
| 3/4"   | 20                | 17 | 33,6 | 0,03        | ▪             |
| 1"     | 25                | 20 | 39,5 | 0,06        | ▪             |
| 1 1/4" | 32                | 22 | 48,3 | 0,12        | ▪             |
| 1 1/2" | 40                | 22 | 54,6 | 0,20        | ▪             |
| 2"     | 50                | 26 | 66,3 | 0,25        | ▪             |

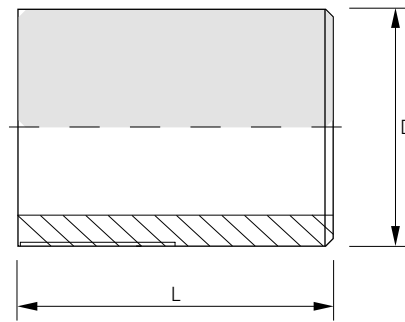


| INCH        | Nominale diameter | L  | D1 | D2   | Theor. Gew. | W.-Nr. 1.4408 |
|-------------|-------------------|----|----|------|-------------|---------------|
|             |                   | mm | mm | mm   | kg/St.      | AISI 316      |
| 3/4" x 1/2" | 20 x 15           | 37 | 37 | 28,1 | 0,10        | ▪             |
| 1" x 1/2"   | 25 x 15           | 42 | 43 | 29,4 | 0,15        | ▪             |
| 1" x 3/4"   | 25 x 20           | 42 | 43 | 32,0 | 0,16        | ▪             |

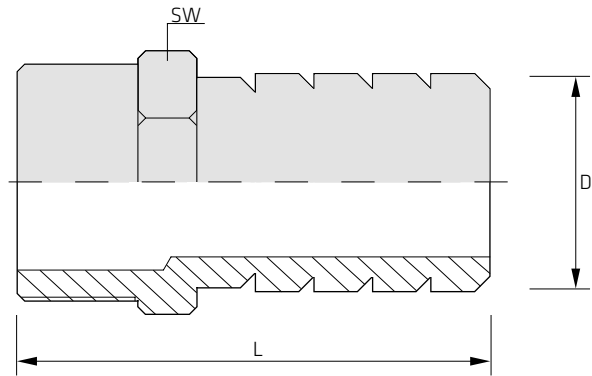


| INCH   | Nominale diameter | L   | D    | Theor. Gew. | W.-Nr. 1.4571 |
|--------|-------------------|-----|------|-------------|---------------|
|        |                   | mm  | mm   | kg/St.      | AISI 316Ti *) |
| 1/4"   | 8                 | 40  | 13,5 | 0,04        | ▪             |
| 3/8"   | 10                | 40  | 17,2 | 0,04        | ▪             |
| 1/2"   | 15                | 60  | 21,3 | 0,06        | ▪             |
| 3/4"   | 20                | 60  | 26,9 | 0,15        | ▪             |
| 1"     | 25                | 60  | 33,7 | 0,16        | ▪             |
| 1 1/4" | 32                | 80  | 42,4 | 0,27        | ▪             |
| 1 1/2" | 40                | 80  | 48,3 | 0,35        | ▪             |
| 2"     | 50                | 100 | 60,3 | 0,50        | ▪             |

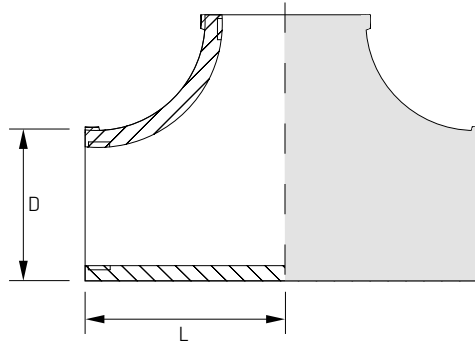




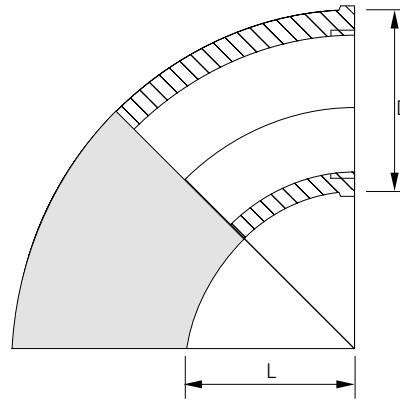
| INCH   | Nominale diameter | L  | D    | Theor. Gew. | W.-Nr. 1.4571 |
|--------|-------------------|----|------|-------------|---------------|
|        |                   | mm | mm   | kg/St.      | AISI 316Ti *) |
| 1/4"   | 8                 | 30 | 13,5 | 0,03        | ▪             |
| 3/8"   | 10                | 30 | 17,2 | 0,03        | ▪             |
| 1/2"   | 15                | 35 | 21,3 | 0,04        | ▪             |
| 3/4"   | 20                | 40 | 26,9 | 0,05        | ▪             |
| 1"     | 25                | 40 | 33,7 | 0,08        | ▪             |
| 1 1/4" | 32                | 50 | 42,4 | 0,25        | ▪             |
| 1 1/2" | 40                | 50 | 48,3 | 0,30        | ▪             |
| 2"     | 50                | 50 | 60,3 | 0,35        | ▪             |



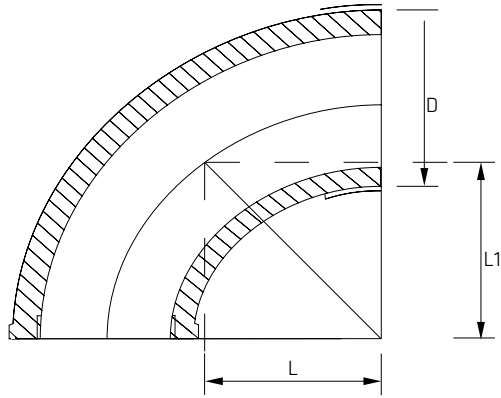
| INCH   | Nominale diameter | L   | D  | SW   | Theor. Gew. | W.-Nr. 1.4408 |
|--------|-------------------|-----|----|------|-------------|---------------|
|        |                   | mm  | mm | mm   | kg/St.      | AISI 316      |
| 1/4"   | 8                 | 47  | 17 | 12,7 | 0,03        | ▪             |
| 3/8"   | 10                | 55  | 20 | 12,7 | 0,04        | ▪             |
| 1/2"   | 15                | 64  | 24 | 19,0 | 0,05        | ▪             |
| 3/4"   | 20                | 68  | 31 | 25,4 | 0,15        | ▪             |
| 1"     | 25                | 71  | 39 | 27,0 | 0,25        | ▪             |
| 1 1/4" | 32                | 80  | 46 | 33,0 | 0,37        | ▪             |
| 1 1/2" | 40                | 95  | 52 | 39,5 | 0,49        | ▪             |
| 2"     | 50                | 105 | 62 | 52,0 | 0,72        | ▪             |



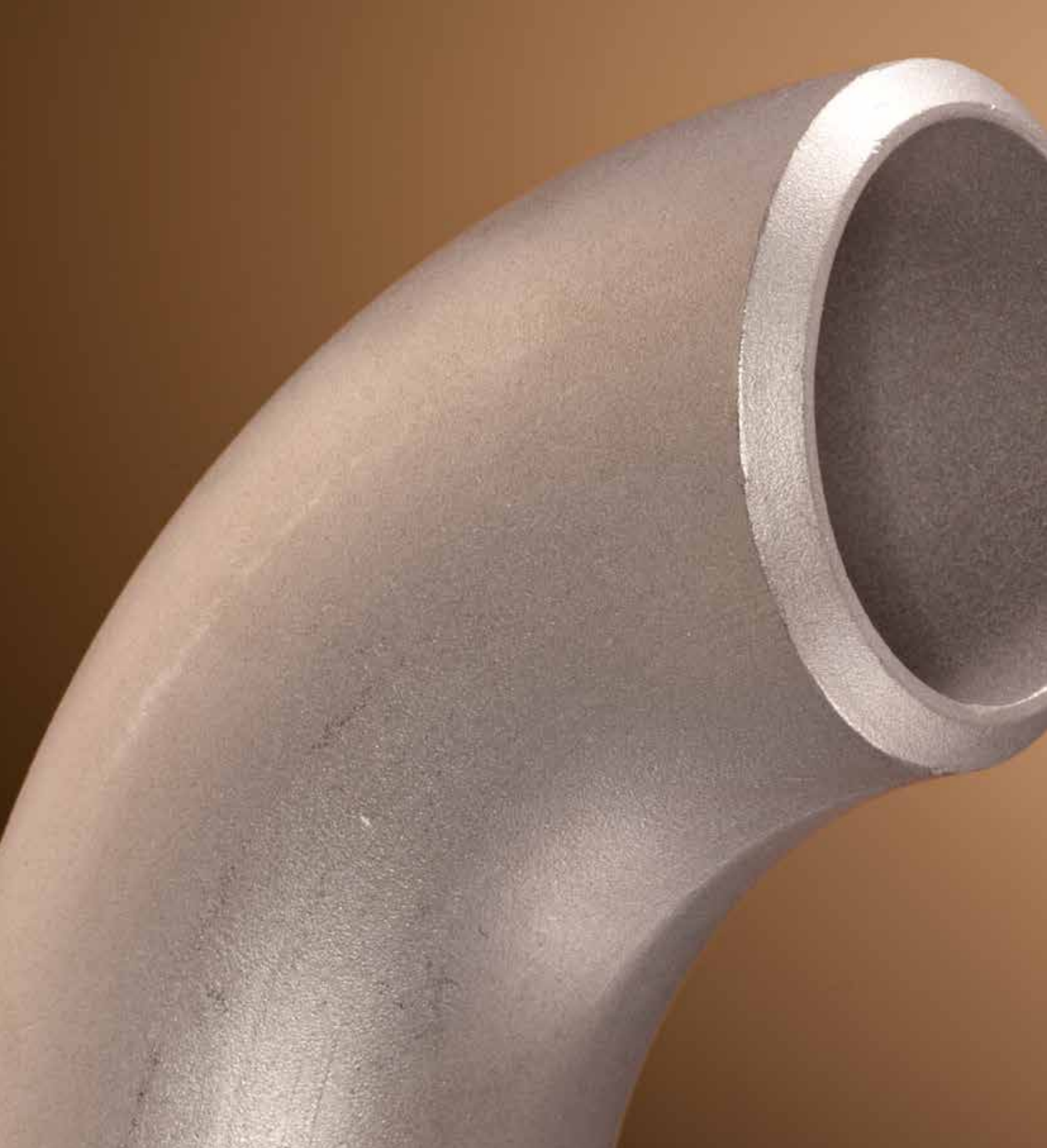
| INCH   | Nominale diameter | L    | D    | Theor. Gew. | W.-Nr. 1.4408 |
|--------|-------------------|------|------|-------------|---------------|
|        |                   | mm   | mm   | kg/St.      | AISI 316      |
| 1/4"   | 8                 | 19,5 | 19,0 | 0,08        | ▪             |
| 3/8"   | 10                | 23,5 | 22,5 | 0,08        | ▪             |
| 1/2"   | 15                | 27,5 | 27,5 | 0,13        | ▪             |
| 3/4"   | 20                | 32,5 | 33,0 | 0,22        | ▪             |
| 1"     | 25                | 38,5 | 40,5 | 0,32        | ▪             |
| 1 1/4" | 32                | 45,5 | 50,0 | 0,52        | ▪             |
| 1 1/2" | 40                | 48,5 | 56,5 | 0,69        | ▪             |
| 2"     | 50                | 57,5 | 70,0 | 0,98        | ▪             |



| INCH   | Nominale diameter | L    | D    | Theor. Gew. | W.-Nr. 1.4408 |
|--------|-------------------|------|------|-------------|---------------|
|        |                   | mm   | mm   | kg/St.      | AISI 316      |
| 1/4"   | 8                 | 19,5 | 19,0 | 0,03        | ▪             |
| 3/8"   | 10                | 23,5 | 22,5 | 0,05        | ▪             |
| 1/2"   | 15                | 27,5 | 27,5 | 0,08        | ▪             |
| 3/4"   | 20                | 32,5 | 33,0 | 0,15        | ▪             |
| 1"     | 25                | 38,5 | 40,5 | 0,24        | ▪             |
| 1 1/4" | 32                | 45,5 | 50,0 | 0,37        | ▪             |
| 1 1/2" | 40                | 48,5 | 56,5 | 0,61        | ▪             |
| 2"     | 50                | 57,5 | 70,0 | 0,82        | ▪             |



| INCH   | Nominale diameter | L    | L1   | D    | Theor. Gew. | W.-Nr. 1.4408 |
|--------|-------------------|------|------|------|-------------|---------------|
|        |                   | mm   | mm   | mm   | kg/St.      | AISI 316      |
| 1/4"   | 8                 | 27,5 | 19,5 | 19,0 | 0,05        | ▪             |
| 3/8"   | 10                | 29,5 | 23,5 | 22,5 | 0,08        | ▪             |
| 1/2"   | 15                | 35,5 | 27,5 | 27,0 | 0,11        | ▪             |
| 3/4"   | 20                | 40,5 | 32,5 | 32,5 | 0,17        | ▪             |
| 1"     | 25                | 46,5 | 38,5 | 40,0 | 0,33        | ▪             |
| 1 1/4" | 32                | 54,5 | 45,5 | 50,0 | 0,49        | ▪             |
| 1 1/2" | 40                | 57,5 | 48,5 | 56,5 | 0,63        | ▪             |
| 2"     | 50                | 70,5 | 57,5 | 69,0 | 0,90        | ▪             |



# LASFITTINGEN

192 - 209

# Een kwestie van vorm

Wanneer pijpleidingen van richting moeten veranderen worden vooral lasfittingen toegepast. De passende fitting voor u vinden is voor ons een formaliteit. Vertrouw op onze ervaring en onze uitgebreide voorraad.

## Fittingen | Lasfittingen

\* Oplossend gegloeid, gebeitst of metaalblank

### Technische leveringscondities

DIN EN 10253-4 en DIN 2609, DIN EN 10217-7, DIN EN 10216-5 ook in combinatie met AD-2000-Merkblatt W 2/W 9/W 10 van het voormateriaal resp. van het eindproduct en VdTÜV Blatt 1252 indien overeengekomen

### Toleranties

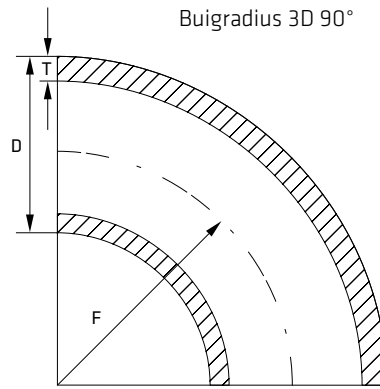
DIN EN 10253-4, DIN EN 1092-1 en DIN 2605, 2609, 2615, 2616 en gelijk aan 1) DIN 28011

### Keuringscertificaten

DIN EN 10204 3.1 van het voormateriaal resp. van het eindproduct

<sup>1)</sup> Afwijkingen en uitvoeringen kunnen door aankopen bij verschillende producenten afwijken. Afstemming eventueel noodzakelijk

\* Inhoud zie pagina 192 tot 209



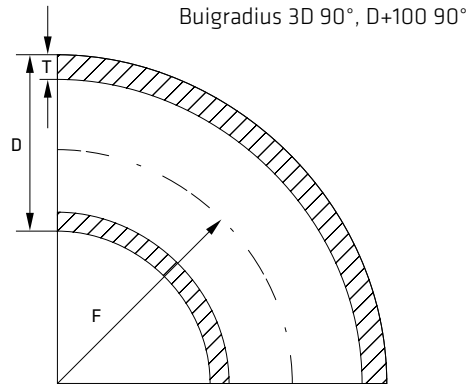
| Uitwendige-Ø | Wanddikte | D      | T    | F     | Theor. Gew. | W.-Nr. 1.4571 |
|--------------|-----------|--------|------|-------|-------------|---------------|
| mm           | mm        | mm     | mm   | mm    | kg/St.      | AISI 316Ti *) |
| 12,00        | 1,50      | 12,00  | 1,50 | 15,0  | 0,02        | ▪             |
| 15,00        | 1,50      | 15,00  | 1,50 | 27,5  | 0,02        | ▪             |
| 17,20        | 2,30      | 17,20  | 2,30 | 27,5  | 0,04        | ▪             |
| 21,30        | 2,00      | 21,30  | 2,00 | 28,0  | 0,04        | ▪             |
| 21,30        | 2,60      | 21,30  | 2,60 | 28,0  | 0,06        | ▪             |
| 26,90        | 2,00      | 26,90  | 2,00 | 29,0  | 0,06        | ▪             |
| 26,90        | 2,60      | 26,90  | 2,60 | 29,0  | 0,08        | ▪             |
| 33,70        | 2,00      | 33,70  | 2,00 | 38,0  | 0,10        | ▪             |
| 33,70        | 2,60      | 33,70  | 2,60 | 38,0  | 0,12        | ▪             |
| 33,70        | 3,20      | 33,70  | 3,20 | 38,0  | 0,14        | ▪             |
| 42,40        | 2,60      | 42,40  | 2,60 | 48,0  | 0,19        | ▪             |
| 42,40        | 3,20      | 42,40  | 3,20 | 48,0  | 0,23        | ▪             |
| 48,30        | 2,60      | 48,30  | 2,00 | 57,0  | 0,26        | ▪             |
| 48,30        | 3,20      | 48,30  | 2,90 | 57,0  | 0,32        | ▪             |
| 60,30        | 2,00      | 60,30  | 2,00 | 76,0  | 0,34        | ▪             |
| 60,30        | 2,90      | 60,30  | 2,90 | 76,0  | 0,49        | ▪             |
| 60,30        | 3,60      | 60,30  | 3,60 | 76,0  | 0,62        | ▪             |
| 76,10        | 2,90      | 76,10  | 2,90 | 95,0  | 0,88        | ▪             |
| 76,10        | 3,60      | 76,10  | 3,60 | 95,0  | 0,98        | ▪             |
| 88,90        | 2,60      | 88,90  | 2,60 | 114,0 | 1,02        | ▪             |
| 88,90        | 3,20      | 88,90  | 3,20 | 114,0 | 1,15        | ▪             |
| 88,90        | 4,00      | 88,90  | 4,00 | 114,0 | 1,57        | ▪             |
| 114,30       | 3,60      | 114,30 | 3,60 | 152,0 | 2,35        | ▪             |
| 139,70       | 4,00      | 139,70 | 4,00 | 190,0 | 4,09        | ▪             |
| 168,30       | 4,50      | 168,30 | 4,50 | 229,0 | 7,00        | ▪             |

Zaagservice voor 45° lasbochten van DN 15 tot DN 300, bouw lengte volgens EN 10253 of doormidden gedeeld echter met kortere bouw lengte, gezaagd uit 90° bochten.



| Uitwendige-Ø | Wanddikte | D      | T    | F     | Theor. Gew. | W.-Nr. 1.4462        | W.-Nr. 1.4539 |
|--------------|-----------|--------|------|-------|-------------|----------------------|---------------|
| mm           | mm        | mm     | mm   | mm    | kg/St.      | UNS S31803 *) Duplex | AISI 904L *)  |
| 21,34        | 2,11      | 21,34  | 2,11 | 28,0  | 0,04        | ▪                    | ▪             |
| 21,34        | 2,77      | 21,34  | 2,77 | 28,0  | 0,08        | ▪                    | ▪             |
| 26,67        | 2,11      | 26,67  | 2,11 | 29,0  | 0,06        | ▪                    | ▪             |
| 26,67        | 2,87      | 26,67  | 2,87 | 29,0  | 0,08        | ▪                    | ▪             |
| 33,40        | 2,77      | 33,40  | 2,77 | 38,0  | 0,12        | ▪                    | ▪             |
| 33,40        | 3,38      | 33,40  | 3,38 | 38,0  | 0,16        | ▪                    | ▪             |
| 42,16        | 2,77      | 42,16  | 2,77 | 48,0  | 0,19        | ▪                    | ▪             |
| 42,16        | 3,56      | 42,16  | 3,56 | 48,0  | 0,27        | ▪                    | ▪             |
| 48,26        | 2,77      | 48,26  | 2,77 | 57,0  | 0,28        | ▪                    | ▪             |
| 48,26        | 3,68      | 48,26  | 3,68 | 57,0  | 0,37        | ▪                    | ▪             |
| 60,33        | 2,77      | 60,33  | 2,77 | 76,0  | 0,49        | ▪                    | ▪             |
| 60,33        | 3,91      | 60,33  | 3,91 | 76,0  | 0,70        | ▪                    | ▪             |
| 73,03        | 3,05      | 73,03  | 3,05 | 95,0  | 0,80        | ▪                    | ▪             |
| 73,03        | 5,16      | 73,03  | 5,16 | 95,0  | 1,30        | ▪                    | ▪             |
| 76,10        | 4,00      | 76,10  | 4,00 | 95,0  | 1,18        | ▪                    | ▪             |
| 88,90        | 3,05      | 88,90  | 3,05 | 114,0 | 1,20        | ▪                    | ▪             |
| 88,90        | 5,49      | 88,90  | 5,49 | 114,0 | 2,14        | ▪                    | ▪             |
| 88,90        | 7,62      | 88,90  | 7,62 | 114,0 | 2,75        | ▪                    | ▪             |
| 114,30       | 3,05      | 114,30 | 3,05 | 152,0 | 2,00        | ▪                    | ▪             |
| 114,30       | 6,02      | 114,30 | 6,02 | 152,0 | 4,00        | ▪                    | ▪             |
| 114,30       | 8,56      | 114,3  | 8,56 | 152,0 | 5,35        | ▪                    | ▪             |
| 168,30       | 7,11      | 168,30 | 7,11 | 229,0 | 10,25       | ▪                    | ▪             |
| 219,10       | 8,18      | 219,10 | 8,18 | 305,0 | 22,40       | ▪                    | ▪             |

Zaagservice voor 45° lasbochten van DN 15 tot DN 300, bouw lengte volgens EN 10253 of doormidden gedeeld echter met kortere bouw lengte, gezaagd uit 90° bochten.



| Uitwendige-Ø | Wanddikte | D    | T   | F    | Theor. Gew. | W.-Nr. 1.4301<br>AISI 304 *) | W.-Nr. 1.4541<br>AISI 321 *) | W.-Nr. 1.4571<br>AISI 316Ti *) |
|--------------|-----------|------|-----|------|-------------|------------------------------|------------------------------|--------------------------------|
| mm           | mm        | mm   | mm  | mm   | kg/St.      |                              |                              |                                |
| 17,2         | 1,6       | 17,2 | 1,6 | 27,5 | 0,03        |                              | ▪                            | ▪                              |
| 18,0         | 1,5       | 18,0 | 1,5 | 22,5 | 0,02        |                              |                              | ▪                              |
| 21,3         | 1,6       | 21,3 | 1,6 | 28,0 | 0,03        |                              |                              | ▪)                             |
| 21,3         | 2,0       | 21,3 | 2,0 | 28,0 | 0,06        |                              | ▪                            | ▪)                             |
| 21,3         | 2,6       | 21,3 | 2,6 | 28,0 | 0,06        |                              | ▪                            | ▪                              |
| 23,0         | 1,5       | 23,0 | 1,5 | 25,0 | 0,04        |                              |                              | ▪                              |
| 26,9         | 2,0       | 26,9 | 2,0 | 29,0 | 0,06        |                              | ▪                            | ▪)                             |
| 26,9         | 2,6       | 26,9 | 2,6 | 29,0 | 0,08        |                              | ▪                            | ▪                              |
| 28,0         | 1,5       | 28,0 | 1,5 | 32,5 | 0,06        |                              |                              | ▪                              |
| 30,0         | 2,0       | 30,0 | 2,0 | 33,5 | 0,07        |                              | ▪                            |                                |
| 33,7         | 2,0       | 33,7 | 2,0 | 38,0 | 0,10        |                              | ▪                            | ▪)                             |
| 33,7         | 2,6       | 33,7 | 2,6 | 38,0 | 0,12        |                              | ▪                            | ▪                              |
| 33,7         | 3,2       | 33,7 | 3,2 | 38,0 | 0,14        |                              | ▪                            | ▪                              |
| 35,0         | 1,5       | 35,0 | 1,5 | 45,0 | 0,10        |                              |                              | ▪                              |
| 40,0         | 2,0       | 40,0 | 2,0 | 45,0 | 0,13        |                              | ▪                            |                                |
| 42,4         | 2,0       | 42,4 | 2,0 | 48,0 | 0,16        |                              | ▪                            | ▪)                             |
| 42,4         | 2,6       | 42,4 | 2,6 | 48,0 | 0,19        |                              | ▪                            | ▪                              |
| 42,4         | 3,2       | 42,4 | 3,2 | 48,0 | 0,23        |                              | ▪                            | ▪                              |
| 43,0         | 1,5       | 43,0 | 1,5 | 47,5 | 0,15        |                              |                              | ▪                              |
| 48,3         | 2,0       | 48,3 | 2,0 | 57,0 | 0,22        |                              | ▪                            | ▪)                             |
| 48,3         | 2,6       | 48,3 | 2,6 | 57,0 | 0,26        |                              | ▪                            | ▪                              |
| 48,3         | 3,2       | 48,3 | 3,2 | 57,0 | 0,32        |                              | ▪                            | ▪                              |
| 54,0         | 2,0       | 54,0 | 2,0 | 70,0 | 0,31        |                              | ▪                            | ▪                              |
| 60,3         | 2,0       | 60,3 | 2,0 | 76,0 | 0,34        | ▪                            | ▪                            | ▪)                             |
| 60,3         | 2,6       | 60,3 | 2,6 | 76,0 | 0,44        |                              | ▪                            | ▪                              |
| 60,3         | 2,9       | 60,3 | 2,9 | 76,0 | 0,49        | ▪                            | ▪                            | ▪                              |
| 60,3         | 3,6       | 60,3 | 3,6 | 76,0 | 0,62        |                              |                              | ▪                              |

1) met AD2000 W2

Zaagservice voor 45° lasbochten van DN 15 tot DN 300, bouwlengte volgens EN 10253 of doormidden gedeeld echter met kortere bouwlengte, gezaagd uit 90° bochten.

| Uitwendige-Ø | Wanddikte | D     | T   | F     | Theor. Gew. | W.-Nr. 1.4301 | W.-Nr. 1.4541 | W.-Nr. 1.4571   |
|--------------|-----------|-------|-----|-------|-------------|---------------|---------------|-----------------|
| mm           | mm        | mm    | mm  | mm    | kg/St.      | AISI 304 *)   | AISI 321 *)   | AISI 316Ti *)   |
| 70,0         | 2,0       | 70,0  | 2,0 | 92,0  | 0,47        |               | ▪             | ▪               |
| 76,1         | 2,0       | 76,1  | 2,0 | 95,0  | 0,62        | ▪             | ▪             | ▪               |
| 76,1         | 2,3       | 76,1  | 2,3 | 95,0  | 0,72        |               | ▪             | ▪ <sup>1)</sup> |
| 76,1         | 2,6       | 76,1  | 2,6 | 95,0  | 0,77        |               |               | ▪               |
| 76,1         | 2,9       | 76,1  | 2,9 | 95,0  | 0,88        | ▪             | ▪             |                 |
| 76,1         | 3,2       | 76,1  | 3,2 | 95,0  | 0,97        |               |               | ▪               |
| 84,0         | 2,0       | 84,0  | 2,0 | 120,0 | 0,77        |               |               | ▪               |
| 88,9         | 2,0       | 88,9  | 2,0 | 114,0 | 0,81        | ▪             | ▪             | ▪               |
| 88,9         | 2,3       | 88,9  | 2,3 | 114,0 | 0,94        |               | ▪             | ▪ <sup>1)</sup> |
| 88,9         | 2,6       | 88,9  | 2,6 | 114,0 | 1,02        | ▪             | ▪             | ▪               |
| 88,9         | 3,0       | 88,9  | 3,0 | 114,0 | 1,15        | ▪             | ▪             | ▪               |
| 88,9         | 3,2       | 88,9  | 3,2 | 114,0 | 1,22        |               | ▪             |                 |
| 101,6        | 3,0       | 101,6 | 3,0 | 133,0 | 1,56        | ▪             |               |                 |
| 104,0        | 2,0       | 104,0 | 2,0 | 150,0 | 1,20        |               |               | ▪               |
| 108,0        | 3,0       | 108,0 | 3,0 | 142,5 | 1,25        |               |               | ▪               |
| 114,3        | 2,0       | 114,3 | 2,0 | 152,0 | 1,35        | ▪             | ▪             | ▪               |
| 114,3        | 2,6       | 114,3 | 2,6 | 152,0 | 1,60        | ▪             | ▪             | ▪ <sup>1)</sup> |
| 114,3        | 2,9       | 114,3 | 2,9 | 152,0 | 1,95        | ▪             | ▪             | ▪               |
| 114,3        | 3,0       | 114,3 | 3,0 | 152,0 | 2,00        |               |               | ▪               |
| 114,3        | 3,6       | 114,3 | 3,6 | 152,0 | 2,50        |               | ▪             | ▪               |
| 129,0        | 2,0       | 129,0 | 2,0 | 187,5 | 1,87        |               |               | ▪               |
| 133,0        | 3,0       | 133,0 | 3,0 | 181,0 | 2,00        |               |               | ▪               |
| 139,7        | 2,0       | 139,7 | 2,0 | 190,0 | 2,06        | ▪             |               | ▪               |
| 139,7        | 2,6       | 139,7 | 2,6 | 190,0 | 2,56        | ▪             | ▪             | ▪ <sup>1)</sup> |
| 139,7        | 2,9       | 139,7 | 2,9 | 190,0 | 2,85        | ▪             |               |                 |
| 139,7        | 3,0       | 139,7 | 3,0 | 190,0 | 3,08        |               | ▪             | ▪               |
| 154,0        | 2,0       | 154,0 | 2,0 | 225,0 | 2,68        |               |               | ▪               |
| 159,0        | 3,0       | 159,0 | 3,0 | 216,0 | 3,00        |               |               | ▪               |
| 168,3        | 2,0       | 168,3 | 2,0 | 229,0 | 3,75        | ▪             |               | ▪               |
| 168,3        | 2,6       | 168,3 | 2,6 | 229,0 | 3,88        | ▪             | ▪             | ▪ <sup>1)</sup> |
| 168,3        | 3,0       | 168,3 | 3,0 | 229,0 | 4,47        | ▪             | ▪             | ▪               |
| 168,3        | 4,0       | 168,3 | 4,0 | 229,0 | 5,90        |               |               | ▪               |
| 204,0        | 2,0       | 204,0 | 2,0 | 300,0 | 4,75        |               |               | ▪               |
| 219,1        | 2,0       | 219,1 | 2,0 | 305,0 | 5,21        | ▪             |               | ▪               |
| 219,1        | 2,6       | 219,1 | 2,6 | 305,0 | 6,29        |               |               | ▪               |
| 219,1        | 3,0       | 219,1 | 3,0 | 305,0 | 7,52        | ▪             | ▪             | ▪ <sup>1)</sup> |
| 219,1        | 4,0       | 219,1 | 4,0 | 305,0 | 10,38       |               |               | ▪               |
| 254,0        | 2,0       | 254,0 | 2,0 | 375,0 | 7,41        |               |               | ▪               |

1) met AD2000 W2

Zaagservice voor 45° lasbochten van DN 15 tot DN 300, bouw lengte volgens EN 10253 of doormidden gedeeld echter met kortere bouw lengte, gezaagd uit 90° bochten.

| Uitwendige-Ø | Wanddikte | D     | T   | F     | Theor. Gew. | W.-Nr. 1.4301 | W.-Nr. 1.4541 | W.-Nr. 1.4571 |
|--------------|-----------|-------|-----|-------|-------------|---------------|---------------|---------------|
| mm           | mm        | mm    | mm  | mm    | kg/St.      | AISI 304 *)   | AISI 321 *)   | AISI 316Ti *) |
| 273,0        | 3,0       | 273,0 | 3,0 | 381,0 | 12,00       | ▪             | ▪             | ▪)            |
| 273,0        | 4,0       | 273,0 | 4,0 | 381,0 | 16,30       |               |               | ▪             |
| 306,0        | 3,0       | 306,0 | 3,0 | 450,0 | 16,05       |               |               | ▪             |
| 323,9        | 3,0       | 323,9 | 3,0 | 487,0 | 17,31       | ▪             | ▪             | ▪             |
| 323,9        | 4,0       | 323,9 | 4,0 | 487,0 | 23,00       |               |               | ▪             |
| 355,6        | 3,0       | 355,6 | 3,0 | 533,0 | 22,30       | ▪             | ▪             | ▪             |
| 406,4        | 3,0       | 406,4 | 3,0 | 610,0 | 29,02       | ▪             | ▪             | ▪             |
| 406,4        | 4,0       | 406,4 | 4,0 | 610,0 | 38,10       |               |               | ▪             |
| 508,0        | 3,0       | 508,0 | 3,0 | 762,0 | 35,75       |               |               | ▪             |
| 508,0        | 4,0       | 508,0 | 4,0 | 762,0 | 59,28       |               |               | ▪             |
| 609,6        | 4,0       | 609,6 | 4,0 | 914,0 | 87,65       |               |               | ▪             |

1) met AD2000 W2

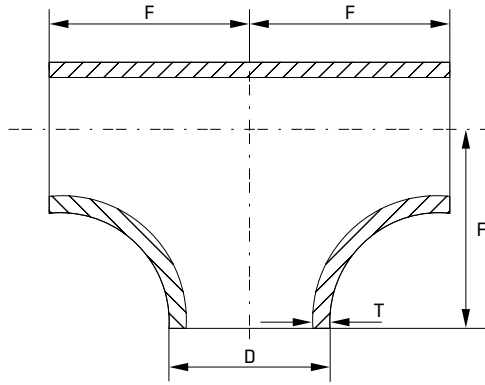
Zaagservice voor 45° lasbochten van DN 15 tot DN 300, bouw lengte volgens EN 10253 of doormidden gedeeld echter met kortere bouw lengte, gezaagd uit 90° bochten.



| Uitwendige-Ø | Wanddikte | D     | T   | F     | Theor. Gew. | W.-Nr. 1.4539 |
|--------------|-----------|-------|-----|-------|-------------|---------------|
| mm           | mm        | mm    | mm  | mm    | kg/St.      | AISI 904L *)  |
| 76,1         | 3,0       | 76,1  | 3,0 | 95,0  | 0,92        | ▪             |
| 139,7        | 3,0       | 139,7 | 3,0 | 190,0 | 3,08        | ▪             |
| 219,1        | 4,0       | 219,1 | 4,0 | 305,0 | 10,38       | ▪             |
| 273,0        | 4,0       | 273,0 | 4,0 | 381,0 | 16,30       | ▪             |
| 323,9        | 4,0       | 323,9 | 4,0 | 487,0 | 23,00       | ▪             |

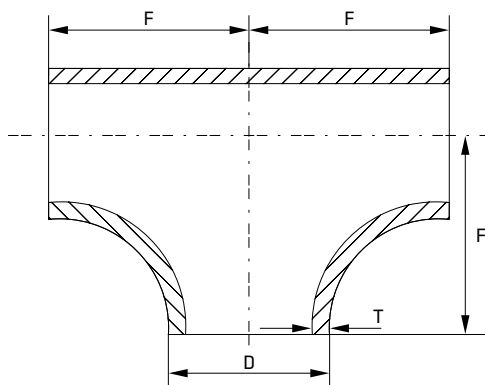
Zaagservice voor 45° lasbochten van DN 15 tot DN 300, bouw lengte volgens EN 10253 of doormidden gedeeld echter met kortere bouw lengte, gezaagd uit 90° bochten.





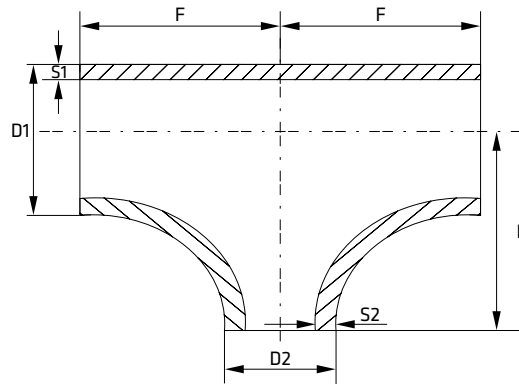
| Uitwendige-Ø | Wanddikte | D      | T    | F   | Theor. Gew. | W.-Nr. 1.4571 |
|--------------|-----------|--------|------|-----|-------------|---------------|
| mm           | mm        | mm     | mm   | mm  | kg/St.      | AISI 316Ti *) |
| 17,20        | 2,30      | 17,20  | 2,30 | 20  | 0,06        | ▪             |
| 21,30        | 1,60      | 21,30  | 1,60 | 25  | 0,08        | ▪             |
| 21,30        | 2,00      | 21,30  | 2,00 | 25  | 0,09        | ▪             |
| 21,30        | 2,90      | 21,30  | 2,90 | 25  | 0,12        | ▪             |
| 26,90        | 2,00      | 26,90  | 2,00 | 29  | 0,15        | ▪             |
| 33,70        | 2,00      | 33,70  | 2,00 | 38  | 0,22        | ▪             |
| 33,70        | 2,60      | 33,70  | 2,60 | 38  | 0,29        | ▪             |
| 42,40        | 2,00      | 42,40  | 2,00 | 48  | 0,34        | ▪             |
| 42,40        | 2,60      | 42,40  | 2,60 | 48  | 0,42        | ▪             |
| 48,30        | 2,00      | 48,30  | 2,00 | 57  | 0,47        | ▪             |
| 48,30        | 2,60      | 48,30  | 2,60 | 57  | 0,59        | ▪             |
| 60,30        | 2,00      | 60,30  | 2,00 | 64  | 0,64        | ▪             |
| 60,30        | 2,90      | 60,30  | 2,90 | 64  | 0,90        | ▪             |
| 76,10        | 2,90      | 76,10  | 2,90 | 76  | 1,35        | ▪             |
| 88,90        | 3,20      | 88,90  | 3,20 | 86  | 1,95        | ▪             |
| 114,30       | 3,60      | 114,30 | 3,60 | 105 | 3,30        | ▪             |

| Uitwendige-Ø | Wanddikte | D      | T    | F   | Theor. Gew. | W.-Nr. 1.4462<br>UNS S31803<br>)<br>Duplex | W.-Nr. 1.4539<br>AISI 904L<br>) |
|--------------|-----------|--------|------|-----|-------------|--|---------------------------------|
| mm           | mm        | mm     | mm   | mm  | kg/St.      |  |                                 |
| 21,34        | 2,11      | 21,34  | 2,11 | 25  | 0,10        | ▪  | ▪                               |
| 21,34        | 2,77      | 21,34  | 2,77 | 25  | 0,08        | ▪  | ▪                               |
| 26,67        | 2,11      | 26,67  | 2,11 | 29  | 0,13        | ▪  | ▪                               |
| 26,67        | 2,87      | 26,67  | 2,87 | 29  | 0,18        | ▪  | ▪                               |
| 33,40        | 2,77      | 33,40  | 2,77 | 38  | 0,24        | ▪  | ▪                               |
| 33,40        | 3,38      | 33,40  | 3,38 | 38  | 0,28        | ▪  | ▪                               |
| 33,40        | 4,55      | 33,40  | 4,55 | 38  | 0,47        |  | ▪                               |
| 42,16        | 2,77      | 42,16  | 2,77 | 48  | 0,46        | ▪  | ▪                               |
| 42,16        | 3,56      | 42,16  | 3,56 | 48  | 0,41        | ▪  | ▪                               |
| 48,26        | 2,77      | 48,26  | 2,77 | 57  | 0,65        | ▪  | ▪                               |
| 48,26        | 3,68      | 48,26  | 3,68 | 57  | 1,70        | ▪  | ▪                               |
| 60,33        | 2,77      | 60,33  | 2,77 | 64  | 0,63        | ▪  | ▪                               |
| 60,33        | 3,91      | 60,33  | 3,91 | 64  | 1,20        | ▪  | ▪                               |
| 60,33        | 5,54      | 60,33  | 5,54 | 64  | 2,10        | ▪  | ▪                               |
| 73,03        | 3,05      | 73,03  | 3,05 | 76  | 1,01        | ▪  | ▪                               |
| 73,03        | 5,16      | 73,03  | 5,16 | 76  | 2,40        | ▪  | ▪                               |
| 76,10        | 4,00      | 76,10  | 4,00 | 76  | 1,73        | ▪  | ▪                               |
| 88,90        | 3,05      | 88,90  | 3,05 | 86  | 1,80        | ▪  | ▪                               |
| 88,90        | 5,49      | 88,90  | 5,49 | 86  | 1,90        | ▪  | ▪                               |
| 88,90        | 7,62      | 88,90  | 7,62 | 86  | 4,90        |  | ▪                               |
| 114,30       | 3,05      | 114,30 | 3,05 | 105 | 2,70        | ▪  | ▪                               |
| 114,30       | 6,02      | 114,30 | 6,02 | 105 | 4,13        | ▪  | ▪                               |
| 168,30       | 7,11      | 168,30 | 7,11 | 143 | 9,73        | ▪  | ▪                               |
| 219,10       | 8,18      | 219,10 | 8,18 | 178 | 23,20       | ▪  | ▪                               |



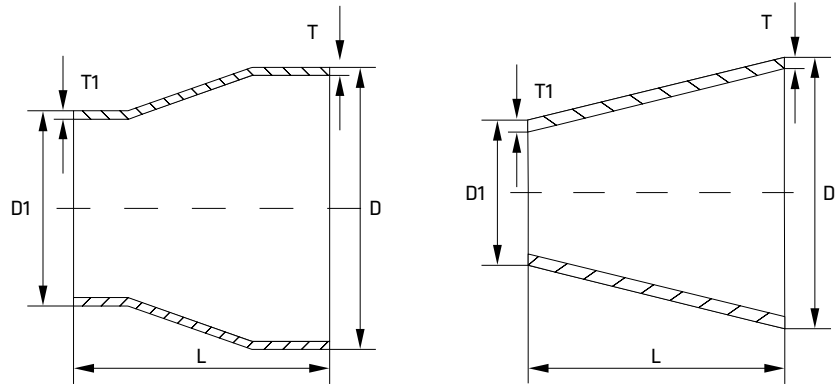
| Uitwendige- $\emptyset$ | Wand-dikte | D     | T   | F   | Theor. Gew. | W.-Nr. 1.4541<br>AISI 321 *) | W.-Nr. 1.4571<br>AISI 316Ti *) |
|-------------------------|------------|-------|-----|-----|-------------|------------------------------|--------------------------------|
| mm                      | mm         | mm    | mm  | mm  | kg/St.      |                              |                                |
| 21,3                    | 2,0        | 21,3  | 2,0 | 25  | 0,08        | ▪                            | ▪                              |
| 26,9                    | 2,0        | 26,9  | 2,0 | 29  | 0,10        | ▪                            | ▪                              |
| 33,7                    | 2,0        | 33,7  | 2,0 | 38  | 0,22        | ▪                            | ▪                              |
| 33,7                    | 2,6        | 33,7  | 2,6 | 38  | 0,26        |                              | ▪                              |
| 42,4                    | 2,0        | 42,4  | 2,0 | 48  | 0,34        | ▪                            | ▪                              |
| 42,4                    | 2,6        | 42,4  | 2,6 | 48  | 0,42        |                              | ▪                              |
| 48,3                    | 2,0        | 48,3  | 2,0 | 57  | 0,47        | ▪                            | ▪                              |
| 48,3                    | 2,6        | 48,3  | 2,6 | 57  | 0,59        |                              | ▪                              |
| 54,0                    | 2,0        | 54,0  | 2,0 | 61  | 0,48        |                              | ▪                              |
| 60,3                    | 2,0        | 60,3  | 2,0 | 64  | 0,64        | ▪                            | ▪                              |
| 60,3                    | 2,9        | 60,3  | 2,9 | 64  | 0,83        |                              | ▪                              |
| 70,0                    | 2,0        | 70,0  | 2,0 | 76  | 0,70        |                              | ▪                              |
| 76,1                    | 2,3        | 76,1  | 2,3 | 76  | 1,10        | ▪                            | ▪                              |
| 76,1                    | 2,9        | 76,1  | 2,9 | 76  | 1,29        |                              | ▪                              |
| 84,0                    | 2,0        | 84,0  | 2,0 | 82  | 0,94        |                              | ▪                              |
| 88,9                    | 2,3        | 88,9  | 2,3 | 86  | 1,45        | ▪                            | ▪                              |
| 88,9                    | 3,0        | 88,9  | 3,0 | 86  | 1,85        |                              | ▪                              |
| 104,0                   | 2,0        | 104,0 | 2,0 | 98  | 1,39        |                              | ▪                              |
| 114,3                   | 2,6        | 114,3 | 2,6 | 105 | 2,40        | ▪                            | ▪                              |
| 114,3                   | 3,0        | 114,3 | 3,0 | 105 | 2,67        |                              | ▪                              |
| 129,0                   | 2,0        | 129,0 | 2,0 | 115 | 2,24        |                              | ▪                              |
| 139,7                   | 2,6        | 139,7 | 2,6 | 124 | 3,40        | ▪                            | ▪                              |
| 139,7                   | 3,0        | 139,7 | 3,0 | 124 | 3,80        |                              | ▪                              |
| 154,0                   | 2,0        | 154,0 | 2,0 | 143 | 4,50        |                              | ▪                              |
| 168,3                   | 2,6        | 168,3 | 2,6 | 143 | 4,80        | ▪                            | ▪                              |
| 168,3                   | 3,0        | 168,3 | 3,0 | 143 | 5,40        |                              | ▪                              |
| 219,1                   | 3,0        | 219,1 | 3,0 | 178 | 7,50        | ▪                            | ▪                              |
| 219,1                   | 4,0        | 219,1 | 4,0 | 178 | 12,70       |                              | ▪                              |
| 273,0                   | 3,0        | 273,0 | 3,0 | 216 | 10,60       |                              | ▪                              |
| 323,9                   | 3,0        | 323,9 | 3,0 | 254 | 15,00       |                              | ▪                              |





| Afmeting doorlaat | Afmeting uitgang | D1   | S1  | D2   | S2  | F  | Theor. Gew. | W.-Nr. 1.4571 |
|-------------------|------------------|------|-----|------|-----|----|-------------|---------------|
| mm                | mm               | mm   | mm  | mm   | mm  | mm | kg/St.      | AISI 316Ti *) |
| 33,7 x 2,0        | 26,9 x 1,6       | 33,7 | 2,0 | 26,9 | 1,6 | 38 | 0,22        | ▪             |
| 60,3 x 2,0        | 33,7 x 2,0       | 60,3 | 2,0 | 33,7 | 2,0 | 50 | 0,50        | ▪             |

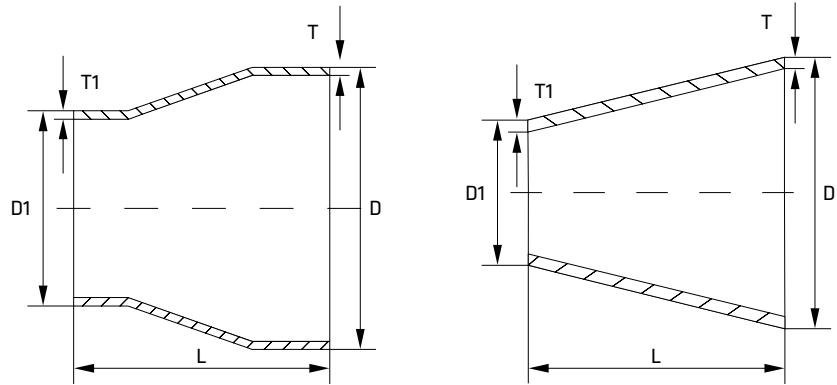




| Afmeting     | Afmeting     | D     | T    | D1    | T1   | L  | Theor. Gew. | W.-Nr. 1.4571<br>AISI 316Ti *) |
|--------------|--------------|-------|------|-------|------|----|-------------|--------------------------------|
| mm           | mm           | mm    | mm   | mm    | mm   | mm | kg/St.      |                                |
| 21,30 x 2,00 | 17,20 x 1,80 | 21,30 | 2,00 | 17,20 | 1,80 | 38 | 0,03        | ▪                              |
| 26,90 x 2,00 | 21,30 x 2,00 | 26,90 | 2,00 | 21,30 | 2,00 | 38 | 0,06        | ▪                              |
| 26,90 x 2,30 | 17,20 x 1,80 | 26,90 | 2,30 | 17,20 | 1,80 | 38 | 0,07        | ▪                              |
| 33,70 x 2,00 | 21,30 x 1,60 | 33,70 | 2,00 | 21,30 | 1,60 | 51 | 0,08        | ▪                              |
| 33,70 x 2,00 | 21,30 x 2,00 | 33,70 | 2,00 | 21,30 | 2,00 | 51 | 0,08        | ▪                              |
| 33,70 x 2,00 | 26,90 x 2,00 | 33,70 | 2,00 | 26,90 | 2,00 | 51 | 0,08        | ▪                              |
| 33,70 x 2,60 | 21,30 x 2,00 | 33,70 | 2,60 | 21,30 | 2,00 | 51 | 0,08        | ▪                              |
| 33,70 x 2,60 | 21,30 x 2,30 | 33,70 | 2,60 | 21,30 | 2,30 | 51 | 0,10        | ▪                              |
| 33,70 x 2,60 | 26,90 x 2,00 | 33,70 | 2,60 | 26,90 | 2,00 | 51 | 0,09        | ▪                              |
| 33,70 x 2,60 | 26,90 x 2,30 | 33,70 | 2,60 | 26,90 | 2,30 | 51 | 0,10        | ▪                              |
| 42,40 x 2,00 | 21,30 x 2,00 | 42,40 | 2,00 | 21,30 | 2,00 | 51 | 0,12        | ▪                              |
| 42,40 x 2,00 | 26,90 x 2,00 | 42,40 | 2,00 | 26,90 | 2,00 | 51 | 0,12        | ▪                              |
| 42,40 x 2,00 | 33,70 x 2,00 | 42,40 | 2,00 | 33,70 | 2,00 | 51 | 0,12        | ▪                              |
| 42,40 x 2,60 | 21,30 x 2,00 | 42,40 | 2,60 | 21,30 | 2,00 | 51 | 0,15        | ▪                              |
| 42,40 x 2,60 | 26,90 x 2,30 | 42,40 | 2,60 | 26,90 | 2,30 | 51 | 0,13        | ▪                              |
| 42,40 x 2,60 | 33,70 x 2,60 | 42,40 | 2,60 | 33,70 | 2,60 | 51 | 0,13        | ▪                              |
| 42,40 x 3,60 | 33,70 x 3,60 | 42,40 | 3,60 | 33,70 | 3,60 | 51 | 0,19        | ▪                              |
| 48,30 x 2,00 | 33,70 x 2,00 | 48,30 | 2,00 | 33,70 | 2,00 | 64 | 0,18        | ▪                              |
| 48,30 x 2,60 | 21,30 x 2,00 | 48,30 | 2,60 | 21,30 | 2,00 | 64 | 0,25        | ▪                              |
| 48,30 x 2,60 | 26,90 x 2,30 | 48,30 | 2,60 | 26,90 | 2,30 | 64 | 0,17        | ▪                              |
| 48,30 x 2,60 | 33,70 x 2,60 | 48,30 | 2,60 | 33,70 | 2,60 | 64 | 0,21        | ▪                              |
| 48,30 x 2,60 | 42,40 x 2,60 | 48,30 | 2,60 | 42,40 | 2,60 | 64 | 0,21        | ▪                              |
| 60,30 x 2,00 | 26,90 x 1,60 | 60,30 | 2,00 | 26,90 | 1,60 | 76 | 0,30        | ▪                              |
| 60,30 x 2,00 | 33,70 x 2,00 | 60,30 | 2,00 | 33,70 | 2,00 | 76 | 0,30        | ▪                              |
| 60,30 x 2,00 | 42,40 x 2,00 | 60,30 | 2,00 | 42,40 | 2,00 | 76 | 0,32        | ▪                              |
| 60,30 x 2,00 | 48,30 x 2,00 | 60,30 | 2,00 | 48,30 | 2,00 | 76 | 0,30        | ▪                              |
| 60,30 x 2,90 | 21,30 x 2,00 | 60,30 | 2,90 | 21,30 | 2,00 | 76 | 0,37        | ▪                              |
| 60,30 x 2,90 | 26,90 x 2,30 | 60,30 | 2,90 | 26,90 | 2,30 | 76 | 0,37        | ▪                              |
| 60,30 x 2,90 | 33,70 x 2,60 | 60,30 | 2,90 | 33,70 | 2,60 | 76 | 0,37        | ▪                              |
| 60,30 x 2,90 | 42,40 x 2,60 | 60,30 | 2,90 | 42,40 | 2,60 | 76 | 0,34        | ▪                              |

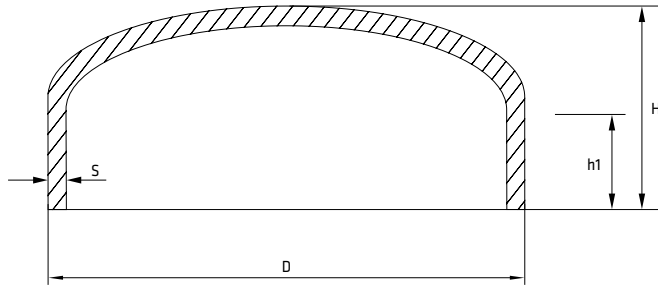
| Afmeting      | Afmeting      | D      | T    | D1     | T1   | L   | Theor. Gew. | W.-Nr. 1.4571<br>AISI 316Ti *) |
|---------------|---------------|--------|------|--------|------|-----|-------------|--------------------------------|
| mm            | mm            | mm     | mm   | mm     | mm   | mm  | kg/St.      |                                |
| 60,30 x 2,90  | 48,30 x 2,60  | 60,30  | 2,90 | 48,30  | 2,60 | 76  | 0,34        | ▪                              |
| 76,10 x 2,90  | 33,70 x 2,60  | 76,10  | 2,90 | 33,70  | 2,60 | 89  | 0,53        | ▪                              |
| 76,10 x 2,90  | 42,40 x 2,60  | 76,10  | 2,90 | 42,40  | 2,60 | 89  | 0,53        | ▪                              |
| 76,10 x 2,90  | 48,30 x 2,60  | 76,10  | 2,90 | 48,30  | 2,60 | 89  | 0,50        | ▪                              |
| 76,10 x 2,90  | 60,30 x 2,90  | 76,10  | 2,90 | 60,30  | 2,90 | 89  | 0,47        | ▪                              |
| 88,90 x 3,20  | 33,70 x 2,60  | 88,90  | 3,20 | 33,70  | 2,60 | 89  | 0,74        | ▪                              |
| 88,90 x 3,20  | 42,40 x 2,60  | 88,90  | 3,20 | 42,40  | 2,60 | 89  | 0,70        | ▪                              |
| 88,90 x 3,20  | 48,30 x 2,60  | 88,90  | 3,20 | 48,30  | 2,60 | 89  | 0,68        | ▪                              |
| 88,90 x 3,20  | 60,30 x 2,90  | 88,90  | 3,20 | 60,30  | 2,90 | 89  | 0,64        | ▪                              |
| 88,90 x 3,20  | 76,10 x 2,90  | 88,90  | 3,20 | 76,10  | 2,90 | 89  | 0,64        | ▪                              |
| 114,30 x 3,60 | 48,30 x 2,60  | 114,30 | 3,60 | 48,30  | 2,60 | 102 | 1,18        | ▪                              |
| 114,30 x 3,60 | 60,30 x 2,90  | 114,30 | 3,60 | 60,30  | 2,90 | 102 | 1,10        | ▪                              |
| 114,30 x 3,60 | 76,10 x 2,90  | 114,30 | 3,60 | 76,10  | 2,90 | 102 | 1,10        | ▪                              |
| 114,30 x 3,60 | 88,90 x 3,20  | 114,30 | 3,60 | 88,90  | 3,20 | 102 | 1,00        | ▪                              |
| 139,70 x 4,00 | 88,90 x 3,20  | 139,70 | 4,00 | 88,90  | 3,20 | 127 | 2,00        | ▪                              |
| 139,70 x 4,00 | 114,30 x 3,60 | 139,70 | 4,00 | 114,30 | 3,60 | 127 | 1,80        | ▪                              |
| 168,30 x 4,50 | 114,30 x 3,60 | 168,30 | 4,50 | 114,30 | 3,60 | 140 | 2,86        | ▪                              |

| Afmeting      | Afmeting      | D      | T    | D1     | T1   | L   | Theor. Gew. | W.-Nr. 1.4462 | W.-Nr. 1.4539 |
|---------------|---------------|--------|------|--------|------|-----|-------------|---------------|---------------|
| mm            | mm            | mm     | mm   | mm     | mm   | mm  | kg/St.      | UNS S31803 *) | AISI 904L *)  |
| 33,40 x 3,38  | 21,34 x 2,77  | 33,40  | 3,38 | 21,34  | 2,77 | 51  | 0,13        | ▪             | ▪             |
| 33,40 x 3,38  | 26,67 x 2,87  | 33,40  | 3,38 | 26,67  | 2,87 | 51  | 0,13        | ▪             | ▪             |
| 42,16 x 2,77  | 21,34 x 2,11  | 42,16  | 2,77 | 21,34  | 2,11 | 51  | 0,16        |               | ▪             |
| 42,16 x 2,77  | 26,67 x 2,11  | 42,16  | 2,77 | 26,67  | 2,11 | 51  | 0,16        |               | ▪             |
| 42,16 x 2,77  | 33,40 x 2,77  | 42,16  | 2,77 | 33,40  | 2,77 | 51  | 0,15        |               | ▪             |
| 42,16 x 3,56  | 21,34 x 2,87  | 42,16  | 3,56 | 21,34  | 2,87 | 51  | 0,19        |               | ▪             |
| 42,16 x 3,56  | 26,67 x 2,87  | 42,16  | 3,56 | 26,67  | 2,87 | 51  | 0,21        |               | ▪             |
| 42,16 x 3,56  | 33,40 x 3,38  | 42,16  | 3,56 | 33,40  | 3,38 | 51  | 0,19        |               | ▪             |
| 48,26 x 2,77  | 26,67 x 2,11  | 48,26  | 2,77 | 26,67  | 2,11 | 64  | 0,22        | ▪             | ▪             |
| 48,26 x 2,77  | 33,40 x 2,77  | 48,26  | 2,77 | 33,40  | 2,77 | 64  | 0,22        | ▪             | ▪             |
| 48,26 x 2,77  | 42,16 x 2,77  | 48,26  | 2,77 | 42,16  | 2,77 | 64  | 0,28        | ▪             | ▪             |
| 48,26 x 3,68  | 26,67 x 2,87  | 48,26  | 3,68 | 26,67  | 2,87 | 64  | 0,28        | ▪             | ▪             |
| 48,26 x 3,68  | 33,40 x 3,38  | 48,26  | 3,68 | 33,40  | 3,38 | 64  | 0,28        | ▪             | ▪             |
| 48,26 x 3,68  | 42,16 x 3,56  | 48,26  | 3,68 | 42,16  | 3,56 | 64  | 0,28        | ▪             | ▪             |
| 60,33 x 2,77  | 33,40 x 2,77  | 60,33  | 2,77 | 33,40  | 2,77 | 76  | 0,35        |               | ▪             |
| 60,33 x 2,77  | 42,16 x 2,77  | 60,33  | 2,77 | 42,16  | 2,77 | 76  | 0,32        | ▪             | ▪             |
| 60,33 x 2,77  | 48,26 x 2,77  | 60,33  | 2,77 | 48,26  | 2,77 | 76  | 0,32        | ▪             | ▪             |
| 60,33 x 3,91  | 33,40 x 3,38  | 60,33  | 3,91 | 33,40  | 3,38 | 76  | 0,48        | ▪             | ▪             |
| 60,33 x 3,91  | 42,16 x 3,56  | 60,33  | 3,91 | 42,16  | 3,56 | 76  | 0,45        | ▪             | ▪             |
| 60,33 x 3,91  | 48,26 x 3,68  | 60,33  | 3,91 | 48,26  | 3,68 | 76  | 0,45        | ▪             | ▪             |
| 73,03 x 3,05  | 48,26 x 2,77  | 73,03  | 3,05 | 48,26  | 2,77 | 89  | 0,52        | ▪             | ▪             |
| 73,03 x 3,05  | 60,33 x 2,77  | 73,03  | 3,05 | 60,33  | 2,77 | 89  | 0,50        | ▪             |               |
| 76,10 x 4,00  | 60,30 x 4,00  | 76,10  | 4,00 | 60,30  | 4,00 | 89  | 0,78        |               | ▪             |
| 88,90 x 3,00  | 73,10 x 3,00  | 88,90  | 3,00 | 73,10  | 3,00 | 89  | 0,52        | ▪             | ▪             |
| 88,90 x 3,05  | 48,26 x 2,77  | 88,90  | 3,05 | 48,26  | 2,77 | 89  | 0,70        | ▪             | ▪             |
| 88,90 x 3,05  | 60,33 x 2,77  | 88,90  | 3,05 | 60,33  | 2,77 | 89  | 0,60        | ▪             | ▪             |
| 88,90 x 5,49  | 48,26 x 3,68  | 88,90  | 5,49 | 48,26  | 3,68 | 89  | 1,20        | ▪             | ▪             |
| 88,90 x 5,49  | 60,33 x 3,91  | 88,90  | 5,49 | 60,33  | 3,91 | 89  | 1,06        | ▪             | ▪             |
| 88,90 x 5,49  | 73,03 x 5,16  | 88,90  | 5,49 | 73,03  | 5,16 | 89  | 1,06        | ▪             | ▪             |
| 114,30 x 3,05 | 60,33 x 2,77  | 114,30 | 3,05 | 60,33  | 2,77 | 102 | 0,98        | ▪             | ▪             |
| 114,30 x 3,05 | 73,03 x 3,05  | 114,30 | 3,05 | 73,03  | 3,05 | 102 | 0,95        | ▪             | ▪             |
| 114,30 x 3,05 | 88,90 x 3,05  | 114,30 | 3,05 | 88,90  | 3,05 | 102 | 0,90        | ▪             | ▪             |
| 114,30 x 4,00 | 88,90 x 4,00  | 114,30 | 4,00 | 88,90  | 4,00 | 102 | 1,10        |               | ▪             |
| 114,30 x 6,02 | 60,33 x 3,91  | 114,30 | 6,02 | 60,33  | 3,91 | 102 | 1,90        | ▪             | ▪             |
| 114,30 x 6,02 | 73,03 x 5,16  | 114,30 | 6,02 | 73,03  | 5,16 | 102 | 1,85        |               | ▪             |
| 114,30 x 6,02 | 88,90 x 5,49  | 114,30 | 6,02 | 88,90  | 5,49 | 102 | 1,75        | ▪             | ▪             |
| 168,26 x 7,11 | 88,90 x 5,49  | 168,26 | 7,11 | 88,90  | 5,49 | 140 | 3,55        | ▪             | ▪             |
| 168,26 x 7,11 | 114,30 x 6,02 | 168,26 | 7,11 | 114,30 | 6,02 | 140 | 4,50        | ▪             | ▪             |
| 219,10 x 8,18 | 114,30 x 6,02 | 219,10 | 8,18 | 114,30 | 6,02 | 152 | 7,60        | ▪             | ▪             |
| 219,10 x 8,18 | 168,26 x 7,11 | 219,10 | 8,18 | 168,26 | 7,11 | 152 | 6,80        | ▪             | ▪             |

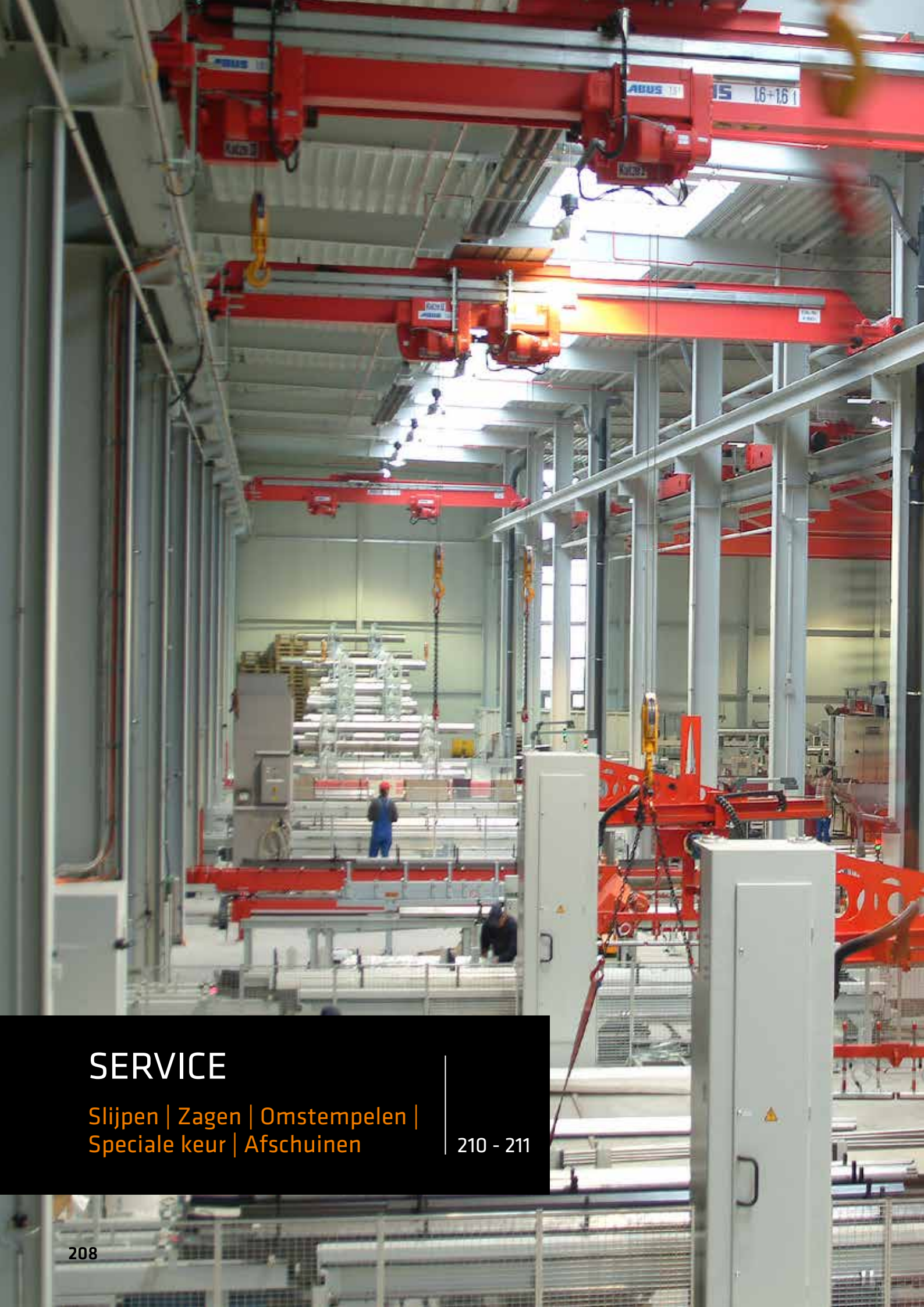


| Afmeting   | Afmeting   | D    | T   | D1   | T1  | L  | Theor. Gew. | W.-Nr. 14541 | W.-Nr. 14571  |
|------------|------------|------|-----|------|-----|----|-------------|--------------|---------------|
| mm         | mm         | mm   | mm  | mm   | mm  | mm | kg/St.      | AISI 321 *)  | AISI 316Ti *) |
| 21,3 x 2,0 | 17,2 x 1,8 | 21,3 | 2,0 | 17,2 | 1,8 | 38 | 0,05        |              | ▪             |
| 26,9 x 1,6 | 17,2 x 1,6 | 26,9 | 1,6 | 17,2 | 1,6 | 38 | 0,05        | ▪            | ▪             |
| 26,9 x 1,6 | 21,3 x 1,6 | 26,9 | 1,6 | 21,3 | 1,6 | 38 | 0,04        | ▪            | ▪             |
| 26,9 x 2,0 | 21,3 x 2,0 | 26,9 | 2,0 | 21,3 | 2,0 | 38 | 0,06        |              | ▪             |
| 33,7 x 2,0 | 17,2 x 1,6 | 33,7 | 2,0 | 17,2 | 1,6 | 51 | 0,10        | ▪            | ▪             |
| 33,7 x 2,0 | 21,3 x 1,6 | 33,7 | 2,0 | 21,3 | 1,6 | 51 | 0,08        | ▪            | ▪             |
| 33,7 x 2,0 | 21,3 x 2,0 | 33,7 | 2,0 | 21,3 | 2,0 | 51 | 0,10        |              | ▪             |
| 33,7 x 2,0 | 26,9 x 1,6 | 33,7 | 2,0 | 26,9 | 1,6 | 51 | 0,08        |              | ▪             |
| 33,7 x 2,0 | 26,9 x 2,0 | 33,7 | 2,0 | 26,9 | 2,0 | 51 | 0,07        | ▪            | ▪             |
| 33,7 x 2,6 | 21,3 x 2,0 | 33,7 | 2,6 | 21,3 | 2,0 | 51 | 0,10        |              | ▪             |
| 42,4 x 2,0 | 21,3 x 1,6 | 42,4 | 2,0 | 21,3 | 1,6 | 51 | 0,12        | ▪            | ▪             |
| 42,4 x 2,0 | 26,9 x 1,6 | 42,4 | 2,0 | 26,9 | 1,6 | 51 | 0,12        | ▪            | ▪             |
| 42,4 x 2,0 | 33,7 x 2,0 | 42,4 | 2,0 | 33,7 | 2,0 | 51 | 0,12        | ▪            | ▪             |
| 42,4 x 3,6 | 33,7 x 3,6 | 42,4 | 3,6 | 33,7 | 3,6 | 51 | 0,19        |              | ▪             |
| 48,3 x 2,0 | 21,3 x 1,6 | 48,3 | 2,0 | 21,3 | 1,6 | 64 | 0,17        | ▪            | ▪             |
| 48,3 x 2,0 | 21,3 x 2,0 | 48,3 | 2,0 | 21,3 | 2,0 | 64 | 0,17        |              | ▪             |
| 48,3 x 2,0 | 26,9 x 1,6 | 48,3 | 2,0 | 26,9 | 1,6 | 64 | 0,17        | ▪            | ▪             |
| 48,3 x 2,0 | 26,9 x 2,0 | 48,3 | 2,0 | 26,9 | 2,0 | 64 | 0,17        | ▪            | ▪             |
| 48,3 x 2,0 | 33,7 x 2,0 | 48,3 | 2,0 | 33,7 | 2,0 | 64 | 0,16        | ▪            | ▪             |
| 48,3 x 2,0 | 42,4 x 2,0 | 48,3 | 2,0 | 42,4 | 2,0 | 64 | 0,16        | ▪            | ▪             |
| 48,3 x 2,6 | 26,9 x 2,0 | 48,3 | 2,6 | 26,9 | 2,0 | 64 | 0,17        |              | ▪             |
| 48,3 x 2,6 | 33,7 x 2,6 | 48,3 | 2,6 | 33,7 | 2,6 | 64 | 0,21        |              | ▪             |
| 60,3 x 2,0 | 21,3 x 1,6 | 60,3 | 2,0 | 21,3 | 1,6 | 76 | 0,29        | ▪            | ▪             |
| 60,3 x 2,0 | 21,3 x 2,0 | 60,3 | 2,0 | 21,3 | 2,0 | 76 | 0,30        |              | ▪             |
| 60,3 x 2,0 | 26,9 x 1,6 | 60,3 | 2,0 | 26,9 | 1,6 | 76 | 0,20        | ▪            | ▪             |
| 60,3 x 2,0 | 26,9 x 2,0 | 60,3 | 2,0 | 26,9 | 2,0 | 76 | 0,23        | ▪            |               |
| 60,3 x 2,0 | 33,7 x 2,0 | 60,3 | 2,0 | 33,7 | 2,0 | 76 | 0,25        | ▪            | ▪             |
| 60,3 x 2,0 | 42,4 x 2,0 | 60,3 | 2,0 | 42,4 | 2,0 | 76 | 0,23        | ▪            | ▪             |
| 60,3 x 2,0 | 48,3 x 2,0 | 60,3 | 2,0 | 48,3 | 2,0 | 76 | 0,23        | ▪            | ▪             |

| Afmeting    | Afmeting    | D     | T   | D1    | T1  | L   | Theor. Gew. | W.-Nr. 1.4541 | W.-Nr. 1.4571 |
|-------------|-------------|-------|-----|-------|-----|-----|-------------|---------------|---------------|
| mm          | mm          | mm    | mm  | mm    | mm  | mm  | kg/St.      | AISI 321 *)   | AISI 316Ti *) |
| 60,3 x 2,6  | 33,7 x 2,6  | 60,3  | 2,6 | 33,7  | 2,6 | 76  | 0,24        |               | ▪             |
| 76,1 x 2,3  | 33,7 x 2,0  | 76,1  | 2,3 | 33,7  | 2,0 | 89  | 0,42        | ▪             | ▪             |
| 76,1 x 2,3  | 42,4 x 2,0  | 76,1  | 2,3 | 42,4  | 2,0 | 89  | 0,42        | ▪             | ▪             |
| 76,1 x 2,3  | 48,3 x 2,0  | 76,1  | 2,3 | 48,3  | 2,0 | 89  | 0,40        | ▪             | ▪             |
| 76,1 x 2,3  | 60,3 x 2,0  | 76,1  | 2,3 | 60,3  | 2,0 | 89  | 0,39        | ▪             | ▪             |
| 88,9 x 2,3  | 33,7 x 2,0  | 88,9  | 2,3 | 33,7  | 2,0 | 89  | 0,45        | ▪             | ▪             |
| 88,9 x 2,3  | 42,4 x 2,0  | 88,9  | 2,3 | 42,4  | 2,0 | 89  | 0,50        | ▪             | ▪             |
| 88,9 x 2,3  | 48,3 x 2,0  | 88,9  | 2,3 | 48,3  | 2,0 | 89  | 0,49        | ▪             | ▪             |
| 88,9 x 2,3  | 60,3 x 2,0  | 88,9  | 2,3 | 60,3  | 2,0 | 89  | 0,46        | ▪             | ▪             |
| 88,9 x 2,3  | 76,1 x 2,3  | 88,9  | 2,3 | 76,1  | 2,3 | 89  | 0,46        | ▪             | ▪             |
| 114,3 x 2,6 | 33,7 x 2,0  | 114,3 | 2,6 | 33,7  | 2,0 | 102 | 0,85        | ▪             | ▪             |
| 114,3 x 2,6 | 42,4 x 2,0  | 114,3 | 2,6 | 42,4  | 2,0 | 102 | 0,85        | ▪             | ▪             |
| 114,3 x 2,6 | 48,3 x 2,0  | 114,3 | 2,6 | 48,3  | 2,0 | 102 | 0,85        | ▪             | ▪             |
| 114,3 x 2,6 | 60,3 x 2,0  | 114,3 | 2,6 | 60,3  | 2,0 | 102 | 0,80        | ▪             | ▪             |
| 114,3 x 2,6 | 76,1 x 2,3  | 114,3 | 2,6 | 76,1  | 2,3 | 102 | 0,78        | ▪             | ▪             |
| 114,3 x 2,6 | 88,9 x 2,3  | 114,3 | 2,6 | 88,9  | 2,3 | 102 | 0,72        | ▪             | ▪             |
| 114,3 x 2,6 | 88,9 x 2,6  | 114,3 | 2,6 | 88,9  | 2,6 | 102 | 0,82        |               | ▪             |
| 114,3 x 3,6 | 88,9 x 3,2  | 114,3 | 3,6 | 88,9  | 3,2 | 102 | 1,00        |               | ▪             |
| 139,7 x 2,6 | 60,3 x 2,0  | 139,7 | 2,6 | 60,3  | 2,0 | 127 | 1,40        | ▪             | ▪             |
| 139,7 x 2,6 | 76,1 x 2,3  | 139,7 | 2,6 | 76,1  | 2,3 | 127 | 1,40        | ▪             | ▪             |
| 139,7 x 2,6 | 88,9 x 2,3  | 139,7 | 2,6 | 88,9  | 2,3 | 127 | 1,35        | ▪             | ▪             |
| 139,7 x 2,6 | 114,3 x 2,6 | 139,7 | 2,6 | 114,3 | 2,6 | 127 | 1,30        | ▪             | ▪             |
| 139,7 x 2,9 | 88,9 x 2,3  | 139,7 | 2,9 | 88,9  | 2,3 | 127 | 1,50        | ▪             |               |
| 139,7 x 2,9 | 114,3 x 2,6 | 139,7 | 2,9 | 114,3 | 2,6 | 127 | 1,40        | ▪             |               |
| 168,3 x 2,6 | 60,3 x 2,0  | 168,3 | 2,6 | 60,3  | 2,0 | 140 | 1,90        | ▪             | ▪             |
| 168,3 x 2,6 | 76,1 x 2,3  | 168,3 | 2,6 | 76,1  | 2,3 | 140 | 1,80        | ▪             | ▪             |
| 168,3 x 2,6 | 88,9 x 2,3  | 168,3 | 2,6 | 88,9  | 2,3 | 140 | 1,75        | ▪             | ▪             |
| 168,3 x 2,6 | 114,3 x 2,6 | 168,3 | 2,6 | 114,3 | 2,6 | 140 | 1,70        | ▪             | ▪             |
| 168,3 x 2,6 | 139,7 x 2,6 | 168,3 | 2,6 | 139,7 | 2,6 | 140 | 1,70        | ▪             | ▪             |
| 219,1 x 2,9 | 114,3 x 2,6 | 219,1 | 2,9 | 114,3 | 2,6 | 152 | 2,25        |               | ▪             |
| 219,1 x 2,9 | 139,7 x 2,6 | 219,1 | 2,9 | 139,7 | 2,6 | 152 | 2,35        |               | ▪             |
| 219,1 x 2,9 | 168,3 x 2,6 | 219,1 | 2,9 | 168,3 | 2,6 | 152 | 2,25        |               | ▪             |
| 273,0 x 3,0 | 168,3 x 3,0 | 273,0 | 3,0 | 168,3 | 3,0 | 178 | 3,80        |               | ▪             |
| 273,0 x 3,0 | 219,1 x 3,0 | 273,0 | 3,0 | 219,1 | 3,0 | 178 | 3,60        |               | ▪             |
| 323,9 x 3,0 | 219,1 x 3,0 | 323,9 | 3,0 | 219,1 | 3,0 | 203 | 5,50        |               | ▪             |
| 323,9 x 3,0 | 273,0 x 3,0 | 323,9 | 3,0 | 273,0 | 3,0 | 203 | 5,00        |               | ▪             |



| Uitwendige-Ø | Wanddikte | D     | S   | H   | h1 | Theor. Gew. | W.-Nr. 1.4571<br>AISI 316Ti *) |
|--------------|-----------|-------|-----|-----|----|-------------|--------------------------------|
| mm           | mm        | mm    | mm  | mm  | mm | kg/St.      |                                |
| 21,3         | 2,0       | 21,3  | 2,0 | 15  | 10 | 0,02        | ▪                              |
| 26,9         | 2,0       | 26,9  | 2,0 | 17  | 11 | 0,02        | ▪                              |
| 33,7         | 2,0       | 33,7  | 2,0 | 18  | 10 | 0,04        | ▪                              |
| 42,4         | 2,0       | 42,4  | 2,0 | 20  | 11 | 0,05        | ▪                              |
| 48,3         | 2,0       | 48,3  | 2,0 | 20  | 10 | 0,06        | ▪                              |
| 60,3         | 2,0       | 60,3  | 2,0 | 25  | 12 | 0,09        | ▪                              |
| 76,1         | 2,5       | 76,1  | 2,5 | 27  | 11 | 0,17        | ▪                              |
| 88,9         | 3,0       | 88,9  | 3,0 | 39  | 20 | 0,31        | ▪                              |
| 114,3        | 3,0       | 114,3 | 3,0 | 44  | 20 | 0,48        | ▪                              |
| 139,7        | 3,0       | 139,7 | 3,0 | 49  | 20 | 0,67        | ▪                              |
| 168,3        | 3,0       | 168,3 | 3,0 | 54  | 20 | 0,90        | ▪                              |
| 219,1        | 3,0       | 219,1 | 3,0 | 64  | 20 | 1,48        | ▪                              |
| 273,0        | 3,0       | 273,0 | 3,0 | 74  | 20 | 2,24        | ▪                              |
| 323,9        | 3,0       | 323,9 | 3,0 | 84  | 20 | 3,09        | ▪                              |
| 406,4        | 4,0       | 406,4 | 4,0 | 86  | 41 | 6,50        | ▪                              |
| 508,0        | 4,0       | 508,0 | 4,0 | 157 | 51 | 9,80        | ▪                              |



## SERVICE

Slijpen | Zagen | Omstempelen |  
Speciale keur | Afschuinen

210 - 211





# Meer dan staal.

STAPPERT heeft u meer te bieden. Wij hebben niet alleen 15.000 producten op voorraad maar koppelen dit ook aan een hoge servicegraad zodat het materiaal voldoet aan uw hoge verwachtingen m.b.t. oppervlakte, vorm en lengte.

Onze service omvat de volgende diensten:

## Zagen

- Montage gereed zagen
- Verstek en dubbel-verstekzagen van 30° tot 150°
- Zagen van bundels
- Fixlengten
- Blokzagen
- precisiesnedes met nauwe toleranties

## Bewerken

- DIN 2559 en DIN EN ISO 9692-1 of ANSI B 16.25, lasnaadvoorbereidingen aan naadloze en gelaste ronde buizen
- Conische Withworth draad voor 1/2" tot 2" buitendraad
- Aangepaste wanddiktes aan naadloze en gelaste ronde buizen, flenzen, verloopstukken, kappen en boordringen

## Verfijnen

- Slijpen, polijsten, hoogglans polijsten, borstelen. Van matglanzend tot spiegelblank.
- Glaspaarl stralen

## Keuren

- Inspectie binnenkomende goederen
- US testen van wanddikte
- Spectrometertest
- Ferrietest
- Certificaten
- Speciale keur
- TÜV-toelating voor omstempelen

## Verpakken

- In houten kisten en kratten
- Naadloze en gelaste ronde buizen met kunststof kappen
- In folie of luchtkussenfolie
- Merken en labelen conform klantinstructie
- Bewerkte oppervlaktes voorzien van laserfolie

Onze kwaliteitspretentie overstijgt de doorsnee. Het begint met de kwaliteit van onze producten en omvat verder ons gehele bedrijf. Vanzelfsprekend hebben wij al heel wat jaren terug een kwaliteitsmanagementsysteem ingevoerd en daarvoor het DIN EN ISO certificaat ontvangen.



## Internationale kwaliteitsvergelijking

| W.-Nr. | DIN/DIN EN           | ASME/AISI <sup>1)</sup> | UNS <sup>2)</sup> | SS <sup>3)</sup> | AFNOR <sup>4)</sup> | BS <sup>5)</sup> |
|--------|----------------------|-------------------------|-------------------|------------------|---------------------|------------------|
| 1.4006 | X12 Cr 13            | 410                     | S41000            | 2302             | Z 10 C 13           | 410 S 21         |
| 1.4021 | X20 Cr 13            | 420                     | S42000            | 2303             | Z 20 C 13           | 420 S 37         |
| 1.4028 | X30 Cr 13            | 420F                    | S42020            | 2304             | Z 30 C 13           | 420 S 45         |
| 1.4034 | X46 Cr 13            | 420                     | S42000            | (2304)           | Z 40 C 14           | (420 S 45)       |
| 1.4057 | X17 CrNi 16-2        | 431                     | S43100            | 2321             | Z 15 Cn 16.02       | 431 S 29         |
| 1.4104 | X14 CrMoS 17         | 430F                    | S43020            | 2383             | Z 13 CF 17          | (441 S 29)       |
| 1.4112 | X90 CrMoV 18         | 440B                    | S44003            |                  |                     |                  |
| 1.4122 | X39 CrMo 17-1        | 440B                    | S44003            |                  |                     |                  |
| 1.4125 | X105 CrMo 17         | 440C                    | S44004            |                  | Z 100 CD 17         |                  |
| 1.4301 | X5 CrNi 18-10        | 304                     | S30400            | 2332             | Z 6 CN 18.09        | 304 S 15         |
| 1.4305 | X8 CrNiS 18-9        | 303                     | S30300            | 2346             | Z 8 CNF 18.09       | 303 S 31         |
| 1.4306 | X2 CrNi 19-11        | 304L                    | S30403            | 2352             | Z 2 CN 18.10        | 304 S 11         |
| 1.4307 | X2 CrNi 18-9         | 304L                    | S30403            | 2352             | Z 3 CN 18.10        | 304 S 11         |
| 1.4313 | X3 CrNiMo 13-4       | CA 6-NM                 |                   | 2384             | Z 4 CND 13.04 M     | 425 C 11         |
| 1.4401 | X5 CrNiMo 17-12-2    | 316                     | S31600            | 2347             | Z 7 CND 17.12.02    | 316 S 31         |
| 1.4404 | X2 CrNiMo 17-12-2    | 316L                    | S31603            | 2348             | Z 3 CND 18.12.02    | 316 S 11         |
| 1.4408 | GX5 CrNiMo 19-11-2   | 316                     |                   |                  |                     |                  |
| 1.4410 | X2 CrNiMoN 25-7-4    | F53                     | S32750            | 2328             | Z 3 CND 25.07 Az    |                  |
| 1.4418 | X4 CrNiMo 16-5-1     |                         |                   | 2387             | Z 6 CND 16.05.01    |                  |
| 1.4435 | X2 CrNiMo 18-14-3    | 316L                    | S31603            | 2353             | Z 3 CND 18.14.03    | 316 S 11         |
| 1.4438 | X2 CrNiMo 18-15-4    | 317L                    | S31703            | 2367             | Z 3 CND 19.15.04    | 317 S 12         |
| 1.4439 | X2 CrNiMoN 17-13-5   | 317LMN                  |                   |                  |                     |                  |
| 1.4460 | X3 CrNiMoN 27-5-2    | 329                     | S32900            | 2324             | Z 5 CND 27.05.Az    |                  |
| 1.4462 | X2 CrNiMoN 22-5-3    |                         | S31803            | 2377             | (Z 5 CNDU 21.08)    |                  |
| 1.4501 | X2 CrNiMoCuWN 25-7-4 | F55                     | S32760            |                  | Z 3 CND 25.06 Az    |                  |
| 1.4529 | X1 NiCrMoCuN 25-20-7 |                         | N08926            |                  |                     |                  |
| 1.4539 | X1 NiCrMoCu 25-20-5  | 904L                    | N08904            | 2562             | Z 1 NCDU 25.20      |                  |
| 1.4541 | X6 CrNiTi 18-10      | 321                     | S32100            | 2337             | Z 6 CNT 18.10       | 321 S 31         |
| 1.4542 | X5 CrNiCuNb 16-4     | 630                     | S17400            |                  | Z 7 CNU 15.05       |                  |
| 1.4563 | X1 NiCrMoCu 31-27-4  |                         | N08028            | 2584             | Z 2 NCDU 31.27      |                  |
| 1.4571 | X6 CrNiMoTi 17-12-2  | 316Ti                   | S31635            | 2350             | Z 6 CNDT 17.12      | 320 S 31         |
| 1.4713 | X10 CrAlSi 7         |                         |                   |                  | Z 8 CA 7            |                  |
| 1.4742 | X10 CrAlSi 18        |                         |                   |                  | Z 10 CAS 18         |                  |
| 1.4762 | X10 CrAlSi 25        | 446                     | (S44600)          | (2320)           | Z 10 CAS 18         |                  |
| 1.4828 | X15 CrNiSi 20-12     | 309                     | (S30900)          |                  | Z 15 CNS 20.10      | 309 S 24         |
| 1.4841 | X15 CrNiSi 25-21     | 314                     | S31400            |                  | Z 12 CNS 25.20      | 314 S 25         |
| 1.4845 | X8 CrNiSi 25-21      | 310S/310H               | S31008            | 2361             | Z 12 CN 25.20       | 310 S 24         |
| 1.4876 | X10 NiCrAlTi 32-21   | B163                    |                   |                  | Z 8 NC 32.21        | 3076 NA 15 H     |
| 1.4878 | X8 CrNiTi 18-10      | 321H                    | S32100            | 2337             | Z 6 CNT 18.12       | 321 S 51         |
| 1.4923 | X22 CrMoV 12-1       |                         |                   |                  |                     |                  |

De vergelijking van Duitse kwaliteiten met andere normen kunnen slechts bij benadering vergeleken worden. De inzet van vergelijkbare kwaliteiten moet afzonderlijk beoordeeld worden.

<sup>1)</sup> AISI = American Iron and Steel Institute  
ASME = American Society for Mechanical Engineers  
<sup>2)</sup> UNS = Unified Numbering Systems

<sup>3)</sup> SS = Swedish Standard  
<sup>4)</sup> AFNOR = Association Française de Normalisation  
<sup>5)</sup> BS = British Standard



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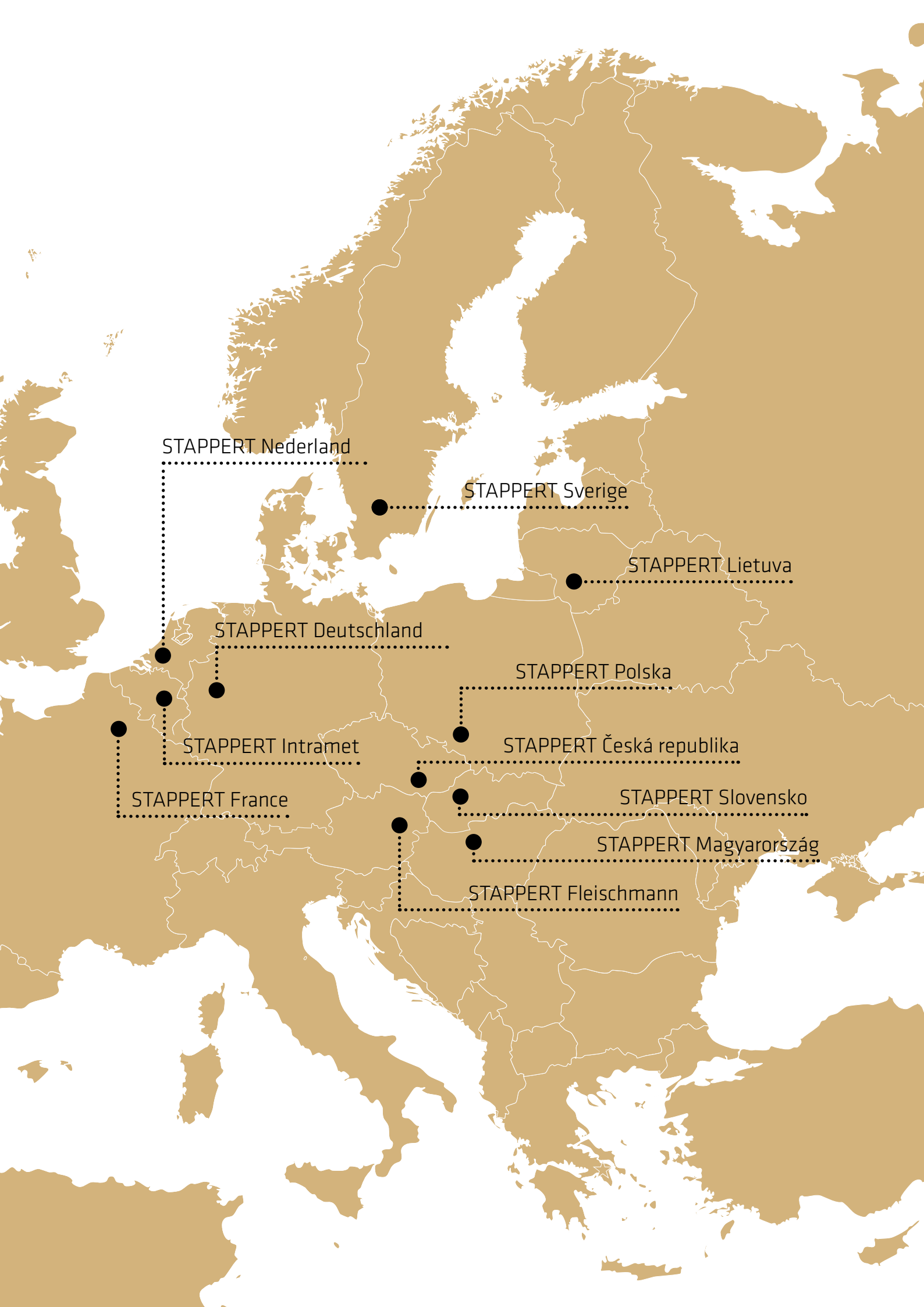
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