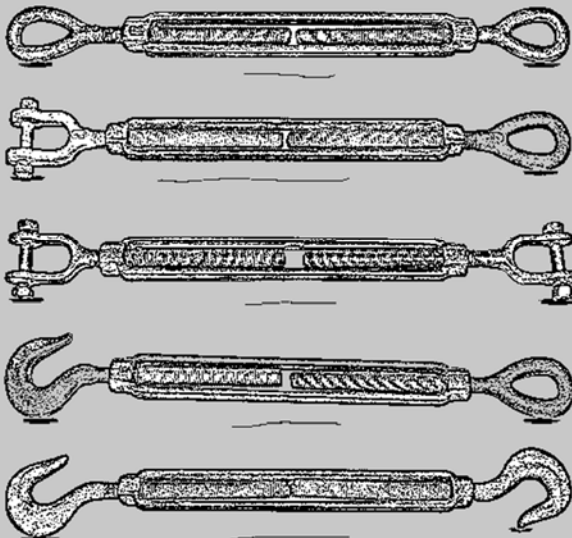
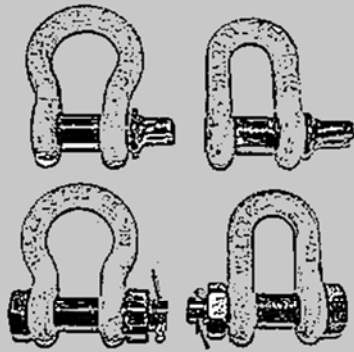


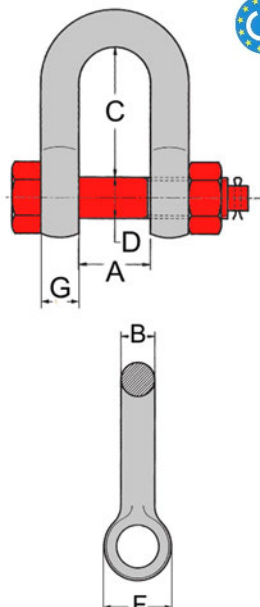


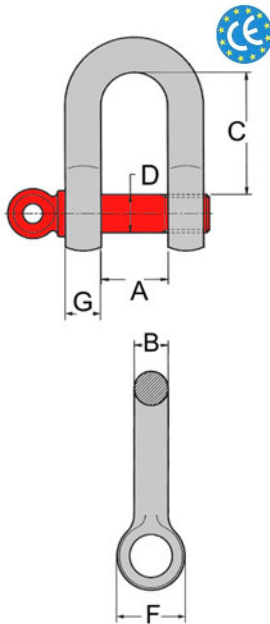
SLUITINGEN & SPANNERS MANILLES & TENDEURS SHACKLES & TURNBUCKLES SCHÄKEL & SPANNSCHRAUBEN

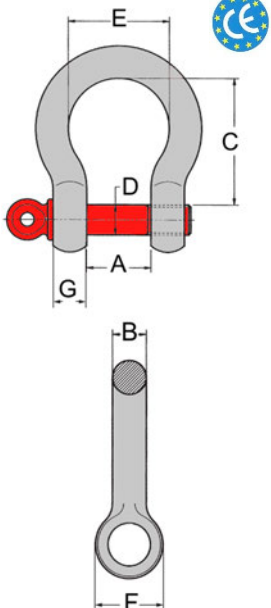


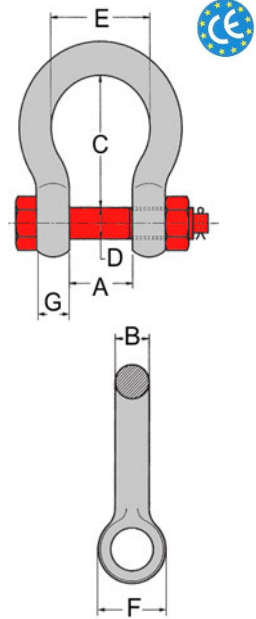
- US-TYPE
- EN 13889
- WIDE BODY
- STEEL SHEET PILES
- DIN 82101-PLUS
- ASTM-F1145

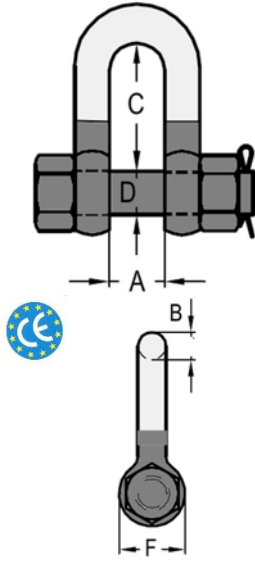


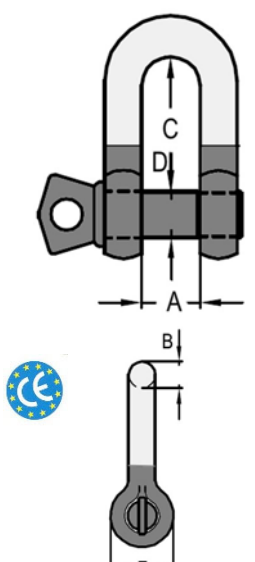
| D-Sluiting Hoogwaardig staal – verzinkt met moerbout & splitpen Type DM | | D-Manille Arcier - haute resistance – galvanisé avec boulon&goupille Type DM | | | | D-Shackle High Tensile – galvanised with bolt & nut-cotter pin Type DM | | | D-Schäkel Hochfest – verzinkt mit mutter & splint Type DM | | |
|--|------------|---|---------|---------|---------|---|---------|-------|--|---|---|
| Nominale maat Designation Nominal size Nenngrösse | WLL [t] | A mm | B mm | C mm | D mm | F mm | G mm | KG | Art.NR Code Art. Stock No. Art.Nr. | € |  <p>Markering: CE,WLL,Nom,Maat Markage avec CE,CMU,Désignation Marked with CE,WLL, Nominal Size Gestempelt mit CE,WLL,Nenngrösse</p> |
| 1/4" | 0.50 | 12 | 6.4 | 19.1 | 7.9 | 16 | 6 | 0.06 | C53DM0050 | | |
| 5/16" | 0.75 | 13.5 | 7.9 | 25.4 | 9.7 | 19 | 8 | 0,11 | C53DM0075 | | |
| 3/8" | 1.00 | 17 | 9.7 | 31 | 11.1 | 23 | 10 | 0,15 | C53DM0100 | | |
| 7/16" | 1.50 | 19 | 11.2 | 36.1 | 12.7 | 27 | 11 | 0,22 | C53DM0150 | | |
| 1/2" | 2.00 | 20.5 | 12.7 | 41.4 | 16 | 30 | 13 | 0,35 | C53DM0200 | | |
| 5/8" | 3.25 | 27 | 16 | 50.8 | 19.1 | 39 | 16 | 0,76 | C53DM0325 | | |
| 3/4" | 4.75 | 32 | 19.1 | 60.5 | 22.4 | 47 | 19 | 1,24 | C53DM0475 | | |
| 7/8" | 6.50 | 36.5 | 22.4 | 71.4 | 25.4 | 54 | 22 | 1,80 | C53DM0650 | | |
| 1" | 8.50 | 43 | 25.4 | 81 | 28.7 | 60 | 25 | 2,60 | C53DM0850 | | |
| 1 1/8" | 9.50 | 46 | 28.7 | 90.9 | 31.8 | 68 | 29 | 3,80 | C53DM0950 | | |
| 1 1/4" | 12.00 | 51.5 | 31.8 | 100 | 35.1 | 76 | 32 | 5,30 | C53DM1200 | | |
| 1 3/8" | 13.50 | 57 | 35.1 | 101.2 | 38.1 | 84 | 35 | 7,20 | C53DM1350 | | |
| 1 1/2" | 17.00 | 60.5 | 38.1 | 122.1 | 41.4 | 92 | 38 | 9,50 | C53DM1700 | | |
| 1 3/4" | 25.00 | 73 | 44.5 | 146 | 50.8 | 107 | 45 | 15,40 | C53DM2500 | | |
| 2" | 35.00 | 83 | 50 | 171 | 57 | 122 | 51 | 23,80 | C53DM3500 | | |
| 2 1/2" | 55.00 | 105 | 66.5 | 203.2 | 69.9 | 145 | 64 | 45,00 | C53DM5500 | | |

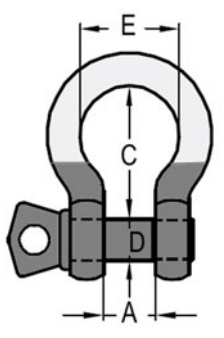
| D-Sluiting Hoogwaardig staal – verzinkt met borstbout Type DB | | D-Manille Arcier - haute resistance – galvanisé avec boulon vissée Type DB | | | | | D-Shackle High Tensile – galvanised with Screwpin Type DB | | | D-Schäkel Hochfest – verzinkt mit Schraubbolzen Type DB | |
|--|------------|---|---------|---------|---------|-----------|--|-------|---|--|---|
| Nominale maat Designation Nominal size Nenngrösse | WLL [t] | A mm | B mm | C mm | D mm | F inch | G mm | KG | Art.NR Code Art. Stock No. Art.Nr. | € |  <p>Markering: CE,WLL,Nom,Maat Markage avec CE,CMU,Désignation Marked with CE,WLL, Nominal Size Gestempelt mit CE,WLL,Nenngrösse</p> |
| 3/16" | 0.33 | 9,5 | 5 | 19 | 6 | 15 | 6 | 0,02 | C51DB0033 | | |
| 1/4" | 0.50 | 11,9 | 6,4 | 22,4 | 7,9 | 16 | 6 | 0,05 | C51DB0050 | | |
| 5/16" | 0.75 | 13,5 | 7,9 | 26,2 | 9,7 | 19 | 8 | 0,07 | C51DB0075 | | |
| 3/8" | 1.00 | 16,8 | 9,7 | 31,8 | 11,2 | 23 | 10 | 0,12 | C51DB0100 | | |
| 7/16" | 1.50 | 19,1 | 11,2 | 36,6 | 12,7 | 27 | 11 | 0,19 | C51DB0150 | | |
| 1/2" | 2.00 | 20,6" | 12,7 | 41,4 | 16 | 30 | 13 | 0,27 | C51DB0200 | | |
| 5/8" | 3.25 | 26,9 | 16 | 50,8 | 19,1 | 39 | 16 | 0,56 | C51DB0325 | | |
| 3/4" | 4.75 | 31,8 | 19,1 | 60,5 | 22,4 | 47 | 19 | 1,19 | C51DB0475 | | |
| 7/8" | 6.50 | 36,6 | 25,4 | 71,3 | 25,4 | 54 | 22 | 1,43 | C51DB0650 | | |
| 1" | 8.50 | 42,9 | 25,4 | 81 | 28,7 | 60 | 25 | 2,15 | C51DB0850 | | |
| 1 1/8" | 9.50 | 46 | 28,7 | 90,9 | 31,8 | 68 | 29 | 3,06 | C51DB0950 | | |
| 1 1/4" | 12.00 | 51,6 | 31,8 | 100 | 35,1 | 76 | 32 | 4,11 | C51DB1200 | | |
| 1 3/8" | 13.50 | 57,2 | 35,1 | 111,2 | 38,1 | 84 | 35 | 5,28 | C51DB1350 | | |
| 1 1/2" | 17.00 | 60,5 | 38,1 | 122,1 | 41,4 | 92 | 38 | 7,24 | C51DB1700 | | |
| 1 3/4" | 25.00 | 73,2 | 44,5 | 146 | 50,8 | 107 | 45 | 12,14 | C51DB2500 | | |
| 2" | 35.00 | 82,6 | 50,8 | 171,4 | 57,2 | 122 | 51 | 19,20 | C51DB3500 | | |
| 2 1/2" | 55.00 | 104,9 | 66,5 | 203,2 | 69,9 | 145 | 64 | 32,60 | C51DB5500 | | |

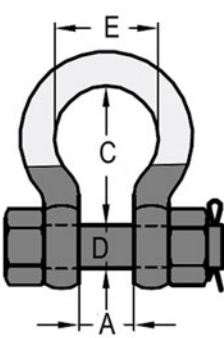
| Harpsluiting Hoogwaardig staal – verzinkt met borstbout Type AB | | Manille formé lyre Arcier - haute resistance – galvanisé avec boulon vissée Type AB | | | | | | Anchor-Shackle High Tensile – galvanised with Screwpin Type AB | | | Schäkel Geschweifte Form Hochfest – verzinkt mit Schraubbolzen Type AB | |
|--|------------|--|---------|---------|---------|-----------|---------|---|-------|---|---|---|
| Nominale maat Designation Nominal size Nenngrosse | WLL [t] | A mm | B mm | C mm | D mm | E inch | F mm | G mm | KG | Art.NR Code Art. Stock No. Art.Nr. | € |  <p>Markering: CE,WLL,Nom,Maat Markage avec CE,CMU,Désignation Marked with CE,WLL, Nominal Size Gestempelt mit CE,WLL,Nenngrosse</p> |
| 3/16" | 0.33 | 9,7 | 4,8 | 22,4 | 6,4 | 15,2 | 15 | 6 | 0,02 | C52AB0050 | | |
| 1/4" | 0.50 | 11,9 | 6,4 | 28,7 | 7,9 | 19,8 | 16 | 6 | 0,04 | C52AB0050 | | |
| 5/16" | 0.75 | 13,5 | 7,9 | 31 | 9,7 | 21,3 | 19 | 8 | 0,08 | C52AB0075 | | |
| 3/8" | 1.00 | 16,8 | 9,7 | 36,6 | 11,2 | 26,2 | 23 | 10 | 0,14 | C52AB0100 | | |
| 7/16" | 1.50 | 19,1 | 11,2 | 42,9 | 12,7 | 29,5 | 27 | 11 | 0,17 | C52AB0150 | | |
| 1/2" | 2.00 | 20,6 | 12,7 | 47,8 | 16 | 33,3 | 30 | 13 | 0,32 | C52AB0200 | | |
| 5/8" | 3.25 | 26,9 | 16 | 60,5 | 19,1 | 42,9 | 39 | 16 | 0,62 | C52AB0325 | | |
| 3/4" | 4.75 | 31,8 | 19,1 | 71,4 | 22,4 | 50,8 | 47 | 19 | 1,06 | C52AB0475 | | |
| 7/8" | 6.50 | 36,6 | 22,4 | 84,1 | 25,4 | 57,9 | 54 | 22 | 1,64 | C52AB0650 | | |
| 1" | 8.50 | 42,9 | 25,4 | 95,3 | 28,7 | 68,3 | 60 | 25 | 2,28 | C52AB0850 | | |
| 1 1/8" | 9.50 | 46 | 29,5 | 107,9 | 31,8 | 73,9 | 68 | 29 | 3,36 | C52AB0950 | | |
| 1 1/4" | 12.00 | 51,6 | 32,8 | 119,1 | 35,1 | 82,6 | 76 | 32 | 4,31 | C52AB1200 | | |
| 1 3/8" | 13.50 | 57,2 | 36,1 | 133,3 | 38,1 | 92,2 | 84 | 35 | 6,14 | C52AB1350 | | |
| 1 1/2" | 17.00 | 60,5 | 39,1 | 146 | 41,4 | 98,6 | 92 | 38 | 7,80 | C52AB1700 | | |
| 1 3/4" | 25.00 | 73,2 | 46,7 | 177,8 | 50,8 | 127 | 107 | 45 | 12,61 | C52AB2500 | | |
| 2" | 35.00 | 82,6 | 52,8 | 196,8 | 57,2 | 146 | 122 | 51 | 20,43 | C52AB3500 | | |
| 2 1/2" | 55.00 | 104,9 | 68,8 | 266,7 | 69,9 | 186,1 | 145 | 64 | 38,93 | C52AB5500 | | |


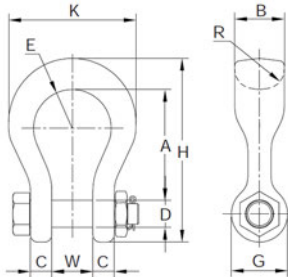
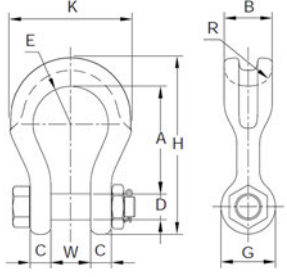
| Harpsluiting Hoogwaardig staal – verzinkt met moerbout & splitpen Type AM | | Manille formé lyre Arcier - haute resistance – galvanisé avec boulon&goupille Type AM | | | | | | Anchor-Shackle High Tensile – galvanised with bolt & nut-cotter pin Type AM | | | Schäkel Geschweifte Form Hochfest – verzinkt mit mutter & splint Type AM | |
|--|------------|--|---------|---------|---------|-----------|---------|--|-------|---|---|---|
| Nominale maat Designation Nominal size Nenngrosse | WLL [t] | A mm | B mm | C mm | D mm | E inch | F mm | G mm | KG | Art.NR Code Art. Stock No. Art.Nr. | € |  <p>Markering: CE,WLL,Nom,Maat Markage avec CE,CMU,Désignation Marked with CE,WLL, Nominal Size Gestempelt mit CE,WLL,Nenngrosse</p> |
| 1/4" | 0.50 | 11,9 | 6,4 | 28,7 | 7,9 | 19,8 | 16 | 6 | 0,05 | C54AM0050 | | |
| 5/16" | 0.75 | 13,5 | 7,9 | 31 | 9,7 | 21,3 | 19 | 8 | 0,10 | C54AM0075 | | |
| 3/8" | 1.00 | 16,8 | 9,7 | 36,6 | 11,2 | 26,2 | 23 | 10 | 0,15 | C54AM0100 | | |
| 7/16" | 1.50 | 19,1 | 11,2 | 42,9 | 12,7 | 29,5 | 27 | 11 | 0,22 | C54AM0150 | | |
| 1/2" | 2.00 | 20,6 | 12,7 | 47,8 | 16 | 33,3 | 30 | 13 | 0,35 | C54AM0200 | | |
| 5/8" | 3.25 | 26,9 | 16 | 60,5 | 19,1 | 42,9 | 39 | 16 | 0,76 | C54AM0325 | | |
| 3/4" | 4.75 | 31,8 | 19,1 | 71,4 | 22,4 | 50,8 | 47 | 19 | 1,23 | C54AM0475 | | |
| 7/8" | 6.50 | 36,6 | 22,4 | 84,1 | 25,4 | 57,9 | 54 | 22 | 1,79 | C54AM0650 | | |
| 1" | 8.50 | 42,9 | 25,4 | 95,3 | 28,7 | 68,3 | 60 | 25 | 2,57 | C54AM0850 | | |
| 1 1/8" | 9.50 | 46 | 28,7 | 107,9 | 31,8 | 73,9 | 68 | 29 | 3,75 | C54AM0950 | | |
| 1 1/4" | 12.00 | 51,6 | 31,8 | 119,1 | 35,1 | 82,6 | 76 | 32 | 5,31 | C54AM1200 | | |
| 1 3/8" | 13.50 | 57,2 | 35,1 | 133,3 | 38,1 | 92,2 | 84 | 35 | 7,13 | C54AM1350 | | |
| 1 1/2" | 17.00 | 60,5 | 38,1 | 146 | 41,4 | 98,6 | 92 | 38 | 9,44 | C54AM1700 | | |
| 1 3/4" | 25.00 | 73,2 | 44,5 | 177,8 | 50,8 | 127 | 107 | 45 | 15,39 | C54AM2500 | | |
| 2" | 35.00 | 82,5 | 50,8 | 196,8 | 57,2 | 146 | 122 | 51 | 23,72 | C54AM3500 | | |
| 2 1/2" | 55.00 | 104,9 | 66,6 | 266,7 | 69,9 | 186,1 | 145 | 64 | 44,60 | C54AM5500 | | |

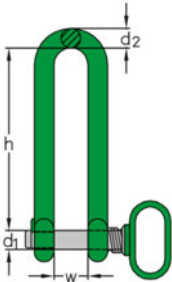
| D-Sluiting - EN 13889 Grade 60 – verzinkt met moerbout & splitpen Type DME | | D-Manille - EN 13889 Grade 60 – galvanisé avec boulon&goupille Type DME | | | | | | D-Shackle - EN 13889 Grade 60 – galvanised with bolt & nut-cotter pin Type DME | | D-Schäkel - EN 13889 Grade 60 – verzinkt mit mutter & splint Type DME | |
|---|------------|--|---------|---------|---------|---------|---------|---|---|--|---|
| Nominale maat Désignation Nominal size Nenngrosse | WLL [t] | A mm | B mm | C mm | D mm | F mm | G mm | KG | Art.NR Code Art. Stock No. Art.Nr. | € | <div></div> <p>Markering: CE, WLL, Nom, Maat Markage avec CE, CMU, Désignation Marked with CE, WLL, Nominal Size Gestempelt mit CE, WLL, Nenngrosse</p> <p>TEMP. RANGE -20°>200°C</p> |
| 0,5 | 0.50 | 13 | 6,5 | 23 | 8 | 13 | 6,5 | 0,1 | C220DM0050 | | |
| 0,75 | 0.75 | 13 | 8 | 26 | 10 | 13 | 8 | 0,1 | C220DM0075 | | |
| 1 | 1.00 | 16 | 10 | 31 | 11 | 16 | 10 | 0,2 | C220DM0100 | | |
| 1,5 | 1.50 | 18 | 11 | 36 | 13 | 18 | 11 | 0,2 | C220DM0150 | | |
| 2 | 2.00 | 21 | 13 | 41 | 16 | 21 | 13 | 0,3 | C220DM0200 | | |
| 3,25 | 3.25 | 27 | 16 | 51 | 19 | 27 | 16 | 0,6 | C220DM0325 | | |
| 4,75 | 4.75 | 32 | 19 | 60 | 22 | 32 | 19 | 1 | C220DM0475 | | |
| 6,5 | 6.50 | 36 | 22 | 71 | 25 | 36 | 22 | 1,5 | C220DM0650 | | |
| 8,5 | 8.50 | 43 | 25 | 81 | 29 | 43 | 25 | 2,3 | C220DM0850 | | |
| 9,5 | 9.50 | 46 | 29 | 90 | 32 | 46 | 29 | 3,1 | C220DM0950 | | |
| 12 | 12.00 | 52 | 32 | 100 | 35 | 52 | 32 | 4,7 | C220DM1200 | | |
| 13,5 | 13.50 | 57 | 35 | 113 | 38 | 57 | 35 | 6,1 | C220DM1350 | | |
| 17 | 17.00 | 60 | 38 | 124 | 41 | 60 | 38 | 7,8 | C220DM1700 | | |
| 25 | 25.00 | 73 | 44 | 146 | 51 | 73 | 44 | 13,1 | C220DM2500 | | |

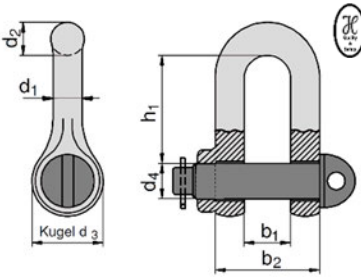
| D-Sluiting - EN 13889 Grade 60 – verzinkt met borstbout Type DBE | | D-Manille - EN 13889 Grade 60 – galvanisé avec boulon vissée Type DBE | | | | | D-Shackle - EN 13889 Grade 60 – galvanised with Screwpin Type DBE | | | D-Schäkel - EN 13889 Grade 60 – verzinkt mit Schraubbolzen Type DBE | |
|---|------------|--|---------|---------|---------|-----------|--|------|---|--|---|
| Nominale maat Designation Nominal size Nenngrosse | WLL [t] | A mm | B mm | C mm | D mm | F inch | G mm | KG | Art.NR Code Art. Stock No. Art.Nr. | € | <div></div> <div>Markering: CE, WLL, Nom, Maat Markage avec CE, CMU, Désignation Marked with CE, WLL, Nominal Size Gestempelt mit CE, WLL, Nenngrosse</div> <div>TEMP. RANGE -20°>200°C</div> |
| 0,5 | 0.50 | 13 | 6,5 | 23 | 8 | 17 | 6,5 | 0,1 | C221DB0050 | | |
| 0,75 | 0.75 | 13 | 8 | 26 | 10 | 21 | 8 | 0,1 | C221DB0075 | | |
| 1 | 1.00 | 16 | 10 | 31 | 11 | 25 | 10 | 0,1 | C221DB0100 | | |
| 1,5 | 1.50 | 18 | 11 | 36 | 13 | 27 | 11 | 0,2 | C221DB0150 | | |
| 2 | 2.00 | 21 | 13 | 41 | 16 | 30 | 13 | 0,3 | C221DB0200 | | |
| 3,25 | 3.25 | 27 | 16 | 51 | 19 | 40 | 16 | 0,5 | C221DB0325 | | |
| 4,75 | 4.75 | 32 | 19 | 60 | 22 | 48 | 19 | 0,9 | C221DB0475 | | |
| 6,5 | 6.50 | 36 | 22 | 71 | 25 | 54 | 22 | 1,4 | C221DB0650 | | |
| 8,5 | 8.50 | 43 | 25 | 81 | 29 | 60 | 25 | 2 | C221DB0850 | | |
| 9,5 | 9.50 | 46 | 29 | 90 | 32 | 67 | 29 | 2,8 | C221DB0950 | | |
| 12 | 12.00 | 52 | 32 | 100 | 35 | 76 | 32 | 4,1 | C221DB1200 | | |
| 13,5 | 13.50 | 57 | 35 | 113 | 38 | 84 | 35 | 5,2 | C221DB1350 | | |
| 17 | 17.00 | 60 | 38 | 124 | 41 | 92 | 38 | 7,1 | C221DB1700 | | |
| 25 | 25.00 | 73 | 44 | 146 | 51 | 110 | 44 | 11,6 | C221DB2500 | | |

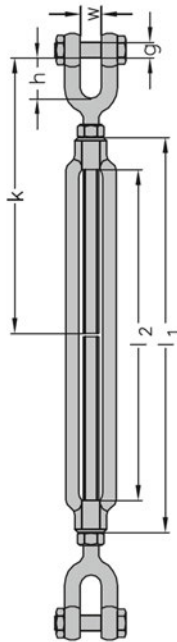
| Harpsluiting - EN 13889 Grade 60 – verzinkt met borstbout Type ABE | | Manille formé lyre - EN 13889 Grade 60 – galvanisé avec boulon vissée Type ABE | | | | | Anchor-Shackle - EN 13889 Grade 60 – galvanised with Screwpin Type ABE | | | | Schäkel Geschweifte Form EN 13889 Grade 60 – verzinkt mit Schraubbolzen Type ABE | |
|---|------------|---|---------|---------|---------|-----------|---|---------|------|---|---|---|
| Nominale maat Designation Nominal size Nenngrosse | WLL [t] | A mm | B mm | C mm | D mm | E inch | F mm | G mm | KG | Art.NR Code Art. Stock No. Art.Nr. | € |  <p>Markering: CE,WLL,Nom,Maat Markage avec CE,CMU,Désignation Marked with CE,WLL, Nominal Size Gestempelt mit CE,WLL,Nenngrosse</p> <p>TEMP.RANGE -20°>200°C</p> |
| 0,5 | 0.50 | 12 | 6,5 | 28 | 8 | 20 | 17 | 6,5 | 0,1 | C219AB0050 | | |
| 0,75 | 0.75 | 13 | 8 | 31 | 10 | 21 | 21 | 8 | 0,1 | C219AB0075 | | |
| 1 | 1.00 | 16 | 10 | 36 | 11 | 26 | 25 | 10 | 0,1 | C219AB0100 | | |
| 1,5 | 1.50 | 18 | 11 | 42 | 13 | 29 | 27 | 11 | 0,2 | C219AB0150 | | |
| 2 | 2.00 | 21 | 13 | 48 | 16 | 33 | 30 | 13 | 0,3 | C219AB0200 | | |
| 3,25 | 3.25 | 27 | 16 | 60 | 19 | 43 | 40 | 16 | 0,5 | C219AB0325 | | |
| 4,75 | 4.75 | 32 | 19 | 71 | 22 | 51 | 48 | 19 | 0,9 | C219AB0475 | | |
| 6,5 | 6.50 | 36 | 22 | 84 | 25 | 58 | 54 | 22 | 1,5 | C219AB0650 | | |
| 8,5 | 8.50 | 43 | 25 | 95 | 29 | 68 | 60 | 25 | 2,2 | C219AB0850 | | |
| 9,5 | 9.50 | 46 | 29 | 108 | 32 | 74 | 67 | 29 | 3,1 | C219AB0950 | | |
| 12 | 12.00 | 52 | 32 | 119 | 35 | 82 | 76 | 32 | 4,5 | C219AB1200 | | |
| 13,5 | 13.50 | 57 | 35 | 133 | 38 | 92 | 84 | 35 | 5,9 | C219AB1350 | | |
| 17 | 17.00 | 60 | 38 | 146 | 41 | 98 | 92 | 38 | 7,8 | C219AB1700 | | |
| 25 | 25.00 | 73 | 44 | 178 | 51 | 127 | 110 | 44 | 13,1 | C219AB2500 | | |


| Harpsluiting - EN 13889 Grade 60 – verzinkt met moerbout & splitpen Type AME | | Manille formé lyre - EN 13889 Grade 60 – galvanisé avec boulon&goupille Type AME | | | | | Anchor-Shackle - EN 13889 Grade 60 – galvanised with bolt & nut-cotter pin Type AME | | | | Schäkel Geschweifte Form EN 13889 Grade 60 – verzinkt mit mutter & splint Type AME | |
|---|------------|---|---------|---------|---------|-----------|--|---------|------|---|---|---|
| Nominale maat Designation Nominal size Nenngrosse | WLL [t] | A mm | B mm | C mm | D mm | E inch | F mm | G mm | KG | Art.NR Code Art. Stock No. Art.Nr. | € |  <p>Markering: CE,WLL,Nom,Maat Markage avec CE,CMU,Désignation Marked with CE,WLL, Nominal Size Gestempelt mit CE,WLL,Nenngrosse</p> <p>TEMP.RANGE -20°>200°C</p> |
| 0,5 | 0.50 | 12 | 6,5 | 28 | 8 | 20 | 17 | 6,5 | 0,1 | C218AM0050 | | |
| 0,75 | 0.75 | 13 | 8 | 31 | 10 | 21 | 21 | 8 | 0,1 | C218AM0075 | | |
| 1 | 1.00 | 16 | 10 | 36 | 11 | 26 | 25 | 10 | 0,2 | C218AM0100 | | |
| 1,5 | 1.50 | 18 | 11 | 42 | 13 | 29 | 27 | 11 | 0,2 | C218AM0150 | | |
| 2 | 2.00 | 21 | 13 | 48 | 16 | 33 | 30 | 13 | 0,3 | C218AM0200 | | |
| 3,25 | 3.25 | 27 | 16 | 60 | 19 | 43 | 40 | 16 | 0,6 | C218AM0325 | | |
| 4,75 | 4.75 | 32 | 19 | 71 | 22 | 51 | 48 | 19 | 1,1 | C218AM0475 | | |
| 6,5 | 6.50 | 36 | 22 | 84 | 25 | 58 | 54 | 22 | 1,6 | C218AM0650 | | |
| 8,5 | 8.50 | 43 | 25 | 95 | 29 | 68 | 60 | 25 | 2,4 | C218AM0850 | | |
| 9,5 | 9.50 | 46 | 29 | 108 | 32 | 74 | 67 | 29 | 3,4 | C218AM0950 | | |
| 12 | 12.00 | 52 | 32 | 119 | 35 | 82 | 76 | 32 | 5,1 | C218AM1200 | | |
| 13,5 | 13.50 | 57 | 35 | 133 | 38 | 92 | 84 | 35 | 6,4 | C218AM1350 | | |
| 17 | 17.00 | 60 | 38 | 146 | 41 | 98 | 92 | 38 | 8,4 | C218AM1700 | | |
| 25 | 25.00 | 73 | 44 | 178 | 51 | 127 | 110 | 44 | 14,2 | C218AM2500 | | |

| | | | | | | | | | | | | | | | |
|---|-------------|---------|---------|---|---------|---------|---------|--|---------|---------|---------|--|---|---|--|
| Harpsluiting – WIDE BODY Hoogwaardig staal – SF:5 met moerbout & splitpen Type AMWB | | | | Manille formé lyre – WIDE BODY Arcier - haute resistance – SF:5 avec boulon&goupille Type AMWB | | | | Anchor-Shackle – WIDE BODY High Tensile – SF:5 with bolt & nut-cotter pin Type AMWB | | | | Schäkel Geschw. – WIDE BODY Hochfest – SF:5 mit mutter & splint Type AMWB | | | |
|  | | | |  | | | |  | | | | | | | |
| Fig. 1 19/26 | | | | Fig. 2 32/38 | | | | | | | | | | | |
| Nominale maat Désignation Nominal size Nenngrösse | SWL Ton | A mm | B mm | C mm | D mm | E mm | G mm | H mm | K mm | R mm | W mm | KG | Art.NR Code Art. Stock No. Art.Nr. | € | |
| 19 | 7 | 91 | 41 | 18 | 22 | 32 | 46 | 150 | 104 | 32 | 33 | 1,7 | Y880919 | | |
| 26 | 12.5 | 118 | 54 | 23 | 29 | 41 | 61 | 194 | 140 | 35 | 44 | 3,8 | Y880926 | | |
| 32 | 18 | 148 | 64 | 30 | 36 | 51 | 68 | 238 | 172 | 38 | 54 | 6,7 | Y880932 | | |
| 38 | 30 | 176 | 80 | 35 | 45 | 64 | 89 | 289 | 216 | 45 | 60 | 12,5 | Y880938 | | |
| <div><div><ul style="list-style-type: none">• Markering: CE,WLL,Nom,Maat• 100% Magnaflux tested• Kwaliteit-traceerbaarheid</div><div><ul style="list-style-type: none">• Markage avec CE,CMU,Désignation• 100% Magnaflux tested• Traçabilité de la qualité</div><div><ul style="list-style-type: none">• Marked with CE,WLL, Nominal Size• 100% Magnaflux tested• Quality traceability</div><div><ul style="list-style-type: none">• Gestempelt mit CE,WLL,Nenngrösse• 100% Magnaflux tested• Qualität Rückverfolgbarkeit</div></div> | | | | | | | | | | | | | | | |

| D-schakel voor damwand platen met gepatenteerde Quick Lock Type DWQ | | Manille pour palplanches en acier avec Quick Lock breveté Type DWQ | | | | Shackle for steel sheet piles with patented Quick Lock Type DWQ | | Spundwandbohlen-Schäkel mit Patent-Schnellverschluss Type DWQ | |
|---|-------------------|--|----------|---------|---------|---|---|---|---|
| Nominale maat Désignation Nominal size Nenngrösse | WLL CMU [t] | d1 mm | d2 mm | w mm | h mm | KG | Art.NR Code Art. Stock No. Art.Nr. | € |  |
| 2.5 | 2.5 | 25 | 30 | 50 | 250 | 4.8 | DWQ02500 | | |
| 3.0 | 3.0 | 30 | 30 | 50 | 250 | 5.0 | DWQ03000 | | |
| 5.0 | 5.0 | 36 | 30 | 50 | 250 | 5.9 | DWQ05000 | | |
| 10.0 | 10.0 | 55 | 30 | 110 | 400 | 22.5 | DWQ10000 | | |

| D-beugel en moer uit één smeedstuk volgens D-sluiting DIN 82101 form c D-beugel en bout verzinkt Type D-Sluiting Plus | | | | Manille et écrou forgés dans une matrice Conforme manille DIN 82101 form c Manille et boulon galvanisé Type D-Sluiting Plus | | | | Shackle and nut forged in one die Similar to shackle DIN 82101 form c Bow and bolt galvanized Type D-Shackle Plus | | | | Schäkel und Mutter einer Schmiedeform Ähnlich Schäkel DIN 82101 Form C Bügel und Bolzen verzinkt Type D-Sluiting Plus | | | |
|--|-------------------|----|-----|--|----|----|------|--|------|---|---|--|--|--|--|
| Nominale maat Designation Nominal size Nenngrösse | WLL CMU [t] | b1 | b2 | d1 | d2 | d3 | d4 | h1 | Kg | Art.NR Code Art. Stock No. Art.Nr. | € |  <p>Markering: CE, WLL, Nom, Maat Markage avec E, CMU, Désignation Marked with CE, WLL, Nominal Size Gestempelt mit CE, WLL, Nenngrösse</p> | | | |
| 6-8 | 1,12 | 14 | 30 | 8 | 10 | 20 | M 10 | 30,0 | 0.09 | 0400004V | | | | | |
| 8-8 | 2,00 | 17 | 37 | 10 | 12 | 24 | M 12 | 36,0 | 0.20 | 0400006V | | | | | |
| 10-8 | 3,15 | 21 | 47 | 13 | 15 | 32 | M 16 | 49,0 | 0.40 | 0400010V | | | | | |
| 13-8 | 5,30 | 27 | 61 | 17 | 19 | 40 | M 20 | 61,0 | 0.81 | 0400016V | | | | | |
| 14-8 | 6,00 | 30 | 68 | 19 | 21 | 44 | M 22 | 67,0 | 1.08 | 0400020V | | | | | |
| 16-8 | 8,00 | 33 | 75 | 21 | 23 | 48 | M 24 | 73,0 | 1.42 | 0400025V | | | | | |
| 18-8 | 10,00 | 38 | 86 | 24 | 26 | 54 | M 27 | 83,5 | 2.03 | 0400030V | | | | | |
| 20-8 | 12,50 | 42 | 96 | 27 | 29 | 60 | M 30 | 91,0 | 2.70 | 0400040V | | | | | |
| 22-8 | 15,00 | 47 | 107 | 30 | 33 | 72 | M 36 | 111,0 | 4.40 | 0400050V | | | | | |
| 26-8 | 21,20 | 53 | 121 | 34 | 37 | 78 | M 39 | 119,5 | 5.90 | 0400060V | | | | | |

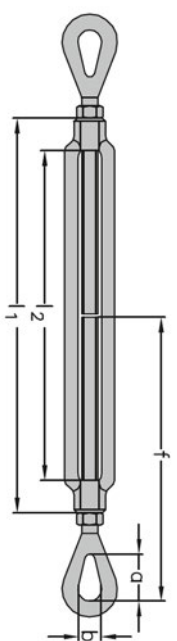
| Spanschroef – extra lang Type JJ: gaffel / gaffel Met borgmoer; moerbout & splitpen Alloy staal & gesmeed Vuurverzinkt | | | | Tendeur – extra longue Type JJ: chape / chape Avec contre-écrou; boulon d'écrou et goupille de sécurité Arcier Allié & Forgee Galvanisé à chaud | | | | Turnbuckle – extra long Type JJ: jaw / jaw With lock nut; nut bolt & cotter pin Alloy steel & forged Hot Dip-Galvanised | | | Spannschraube -extra lang Typ JJ: gabel / gabel Mit Kontermutter Mutter, Bolzen und Splint Alloy Stahl & geschmiedet Feuerverzinkt | |
|---|----------|----------|---------|--|-----------|---------|------------|--|---|---|---|--|
| Nominale maat Designation Nominal size Nenngrosse | l1 mm | l2 mm | w mm | h mm | g inch | k mm | WLL [t] | KG | Art.NR Code Art. Stock No. Art.Nr. | € |  | |
| 3/8 x 6" | 180 | 152 | 12 | 22 | 2 1/2 | 137 | 0,54 | 0,5 | 163403806 | | | |
| 1/2 x 6" | 190 | 152 | 16 | 27 | 3/8 | 147 | 1 | 0,8 | 163401206 | | | |
| 1/2 x 9" | 266 | 228 | 16 | 27 | 3/8 | 187 | 1 | 0,9 | 163401209 | | | |
| 1/2 x 12" | 342 | 304 | 16 | 27 | 3/8 | 222 | 1 | 1,1 | 163401212 | | | |
| 5/8 x 6" | 200 | 152 | 19 | 33 | 1/2 | 161 | 1,59 | 1,3 | 163405806 | | | |
| 5/8 x 9" | 276 | 228 | 19 | 33 | 1/2 | 201 | 1,59 | 1,5 | 163405809 | | | |
| 5/8 x 12" | 352 | 304 | 19 | 33 | 1/2 | 236 | 1,59 | 1,7 | 163405812 | | | |
| 5/8 x 18" | 505 | 457 | 19 | 33 | 1/2 | 316 | 1,59 | 2,2 | 163405818 | | | |
| 3/4 x 6" | 210 | 152 | 23 | 38 | 5/8 | 173 | 2,36 | 2 | 163403406 | | | |
| 3/4 x 9" | 287 | 228 | 23 | 38 | 5/8 | 213 | 2,36 | 2,4 | 163403409 | | | |
| 3/4 x 12" | 362 | 304 | 23 | 38 | 5/8 | 248 | 2,36 | 2,7 | 163403412 | | | |
| 3/4 x 18" | 515 | 457 | 23 | 38 | 5/8 | 328 | 2,36 | 3,4 | 163403418 | | | |
| 7/8 x 12" | 372 | 304 | 28 | 44 | 3/4 | 266 | 3,27 | 4 | 163407812 | | | |
| 7/8 x 18" | 524 | 457 | 28 | 44 | 3/4 | 346 | 3,27 | 4,9 | 163407818 | | | |
| 1 x 12" | 381 | 304 | 30 | 52 | 7/8 | 286 | 4,54 | 5,6 | 163410012 | | | |
| 1 x 18" | 533 | 457 | 30 | 52 | 7/8 | 366 | 4,54 | 6,8 | 163410018 | | | |
| 1 ¼ x 12" | 387 | 304 | 44 | 71 | 1 1/8 | 330 | 6,89 | 9,8 | 163411412 | | | |
| 1 ¼ x 18" | 540 | 457 | 44 | 71 | 1 1/8 | 380 | 6,89 | 11,6 | 163411418 | | | |
| 1 ¼ x 24" | 693 | 610 | 44 | 71 | 1 1/8 | 479 | 6,89 | 13,6 | 163411424 | | | |
| 1 ½ x 12" | 400 | 304 | 52 | 71 | 1 3/8 | 360 | 9,71 | 15,4 | 163411212 | | | |
| 1 ½ x 18" | 550 | 457 | 52 | 71 | 1 3/8 | 430 | 9,71 | 18 | 163411218 | | | |
| 1 ½ x 24" | 703 | 610 | 52 | 71 | 1 3/8 | 430 | 9,71 | 19,3 | 163411224 | | | |
| 1 ¾ x 18" | 570 | 457 | 60 | 86 | 1 3/4 | 465 | 12,7 | 23,6 | 163413418 | | | |
| 1 ¾ x 24" | 720 | 610 | 60 | 86 | 1 3/4 | 500 | 12,7 | 26,8 | 163413424 | | | |
| 2 x 24" | 735 | 610 | 64 | 95 | 2 | 610 | 16,78 | 45 | 163420024 | | | |
| 2 ½ x 24" | 800 | 610 | 73 | 113 | 2 1/2 | 620 | 27,22 | 81 | 163421224 | | | |
| 3 ¾ x 24" | 800 | 610 | 89 | 106 | 2 3/4 | 610 | 34,02 | 91 | 163423424 | | | |




No Lifting Use - Only static & in line Loads – Marking: Nominal Size, Batch code, L (Left-Hand Thread)

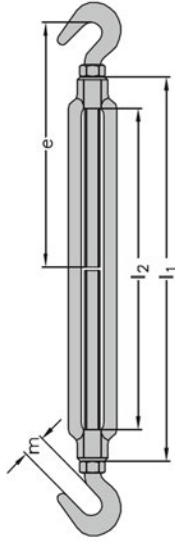
Temp./ WLL Reduction factors : (-20°C ⇔ -10°C=50%) * (-10°C ⇔ 0°C=75%) * (0°C ⇔ 100°C=100%) * (100°C ⇔ 150°C=75%) * (150°C ⇔ 200°C:50%)

Subject to minor tolerances

| Spanschroef –extra lang Type EE: oog / oog Met borgmoer; Alloy staal & gesmeed Vuurverzinkt | | | | Tendeur –extra longue Type EE: oeil / oeil Avec contre-écrou; Arcier Allié & Forgée Galvanisé à chaud | | | | Turnbuckle –extra long Type EE: eye / eye With lock nut; Alloy steel & forged Hot Dip-Galvanised | | | Spannschraube -extra lang Typ EE: auge / auge Mit Kontermutter Alloy Stahl & geschmiedet Feuerverzinkt | | |
|---|----------|----------|---------|---|-----------|---------|------------|--|---|---|--|--|--|
| Nominale maat Designation Nominal size Nenngrosse | l1 mm | l2 mm | w mm | h mm | g inch | k mm | WLL [t] | KG | Art.NR Code Art. Stock No. Art.Nr. | € |  | | |
| 3/8 x 6" | 180 | 152 | 12 | 22 | 2 1/2 | 137 | 0,54 | 0,5 | 163103806 | | | | |
| 1/2 x 6" | 190 | 152 | 16 | 27 | 3/8 | 147 | 1 | 0,8 | 163101206 | | | | |
| 1/2 x 9" | 266 | 228 | 16 | 27 | 3/8 | 187 | 1 | 0,9 | 163101209 | | | | |
| 1/2 x 12" | 342 | 304 | 16 | 27 | 3/8 | 222 | 1 | 1,1 | 163101212 | | | | |
| 5/8 x 6" | 200 | 152 | 19 | 33 | 1/2 | 161 | 1,59 | 1,3 | 163105806 | | | | |
| 5/8 x 9" | 276 | 228 | 19 | 33 | 1/2 | 201 | 1,59 | 1,5 | 163105809 | | | | |
| 5/8 x 12" | 352 | 304 | 19 | 33 | 1/2 | 236 | 1,59 | 1,7 | 163105812 | | | | |
| 5/8 x 18" | 505 | 457 | 19 | 33 | 1/2 | 316 | 1,59 | 2,2 | 163103406 | | | | |
| 3/4 x 6" | 210 | 152 | 23 | 38 | 5/8 | 173 | 2,36 | 2 | 163103409 | | | | |
| 3/4 x 9" | 287 | 228 | 23 | 38 | 5/8 | 213 | 2,36 | 2,4 | 163103412 | | | | |
| 3/4 x 12" | 362 | 304 | 23 | 38 | 5/8 | 248 | 2,36 | 2,7 | 163103418 | | | | |
| 3/4 x 18" | 515 | 457 | 23 | 38 | 5/8 | 328 | 2,36 | 3,4 | 163107812 | | | | |
| 7/8 x 12" | 372 | 304 | 28 | 44 | 3/4 | 266 | 3,27 | 4 | 163107818 | | | | |
| 7/8 x 18" | 524 | 457 | 28 | 44 | 3/4 | 346 | 3,27 | 4,9 | 163110012 | | | | |
| 1 x 12" | 381 | 304 | 30 | 52 | 7/8 | 286 | 4,54 | 5,6 | 163110018 | | | | |
| 1 x 18" | 533 | 457 | 30 | 52 | 7/8 | 366 | 4,54 | 6,8 | 163111412 | | | | |
| 1 ¼ x 12" | 387 | 304 | 44 | 71 | 1 1/8 | 330 | 6,89 | 9,8 | 163111418 | | | | |
| 1 ¼ x 18" | 540 | 457 | 44 | 71 | 1 1/8 | 380 | 6,89 | 11,6 | 163111424 | | | | |
| 1 ¼ x 24" | 693 | 610 | 44 | 71 | 1 1/8 | 479 | 6,89 | 13,6 | 163111212 | | | | |
| 1 ½ x 12" | 400 | 304 | 52 | 71 | 1 3/8 | 360 | 9,71 | 15,4 | 163111218 | | | | |
| 1 ½ x 18" | 550 | 457 | 52 | 71 | 1 3/8 | 430 | 9,71 | 18 | 163111224 | | | | |
| 1 ½ x 24" | 703 | 610 | 52 | 71 | 1 3/8 | 430 | 9,71 | 19,3 | 163113418 | | | | |
| 1 ¾ x 18" | 570 | 457 | 60 | 86 | 1 3/4 | 440 | 12,7 | 23,6 | 163113424 | | | | |
| 1 ¾ x 24" | 720 | 610 | 60 | 86 | 1 3/4 | 500 | 12,7 | 26,8 | 163120024 | | | | |
| 2 x 24" | 735 | 610 | 64 | 95 | 2 | 540 | 16,78 | 45 | 163121224 | | | | |
| 2 ½ x 24" | 800 | 610 | 73 | 113 | 2 1/2 | 620 | 27,22 | 81 | 163103806 | | | | |
| 3 ¾ x 24 | 800 | 610 | 89 | 106 | 2 3/4 | 610 | 34,02 | 91 | 163101206 | | | | |



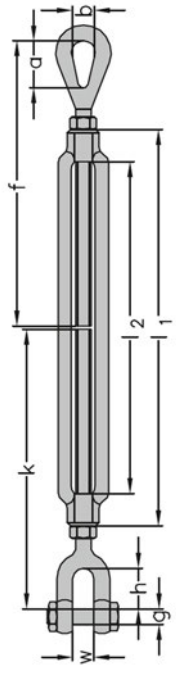
No Lifting Use - Only static & in line Loads – Marking: Nominal Size, Batch code, L (Left-Hand Thread)
Temp./ WLL Reduction factors : (-20°C ⇔ -10°C=50%) * (-10°C ⇔ 0°C=75%) * (0°C ⇔ 100°C=100%) * (100°C ⇔ 150°C=75%) * (150°C ⇔ 200°C:50%)
Subject to minor tolerances

| Spanschroef –extra lang Type HH: haak / haak Met borgmoer; Alloy staal & gesmeed Vuurverzinkt | | | Tendeur –extra longue Type HH : crochet / crochet Avec contre-écrou; Arcier Allié & Forgée Galvanisé à chaud | | | Turnbuckle –extra long Type HH: hook / hook With lock-nut Alloy steel & forged - Hot Dip-Galvanised | | | Spannschraube – extra lang Type HH: haak / haak Mit kontermuttern Alloy Stahl & geschmiedet Feuerverzinkt | | |
|---|----------|----------|--|---------|------------|---|---|---|---|--|--|
| Nominale maat Designation Nominal size Nenngrösse | l1 mm | l2 mm | m mm | e mm | WLL [t] | KG | Art.NR Code Art. Stock No. Art.Nr. | € |  | | |
| 3/8 x 6" | 180 | 152 | 12 | 129 | 0,45 | 0.4 | 163203806 | | | | |
| 1/2 x 6" | 190 | 152 | 15 | 147 | 0,68 | 0.7 | 163201206 | | | | |
| 1/2 x 9" | 266 | 228 | 15 | 187 | 0,68 | 0.8 | 163201209 | | | | |
| 1/2 x 12" | 342 | 304 | 15 | 222 | 0,68 | 1.0 | 163201212 | | | | |
| 5/8 x 6" | 200 | 152 | 20 | 166 | 1 | 1.1 | 163205806 | | | | |
| 5/8 x 9" | 276 | 228 | 20 | 206 | 1 | 1.3 | 163205809 | | | | |
| 5/8 x 12" | 352 | 304 | 20 | 241 | 1 | 1.6 | 163205812 | | | | |
| 3/4 x 6" | 210 | 152 | 23 | 181 | 1,36 | 1.8 | 163203406 | | | | |
| 3/4 x 9" | 287 | 228 | 23 | 221 | 1,36 | 2.1 | 163203409 | | | | |
| 3/4 x 12" | 362 | 304 | 23 | 256 | 1,36 | 2.4 | 163203412 | | | | |
| 3/4 x 18" | 515 | 457 | 23 | 336 | 1,36 | 3.1 | 163203418 | | | | |
| 7/8 x 12" | 372 | 304 | 26 | 273 | 1,81 | 3.6 | 163207812 | | | | |
| 7/8 x 18" | 524 | 457 | 26 | 353 | 1,81 | 4.4 | 163207818 | | | | |
| 1 x 12" | 381 | 304 | 29 | 286 | 2,27 | 5.1 | 163210012 | | | | |
| 1 x 18" | 533 | 457 | 29 | 366 | 2,27 | 6.3 | 163210018 | | | | |

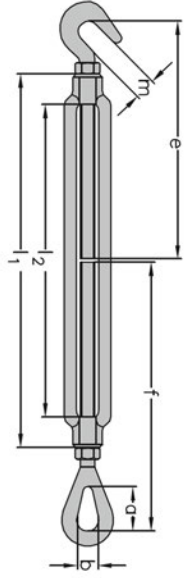
No Lifting Use - Only static & in line Loads – Marking: Nominal Size, Batch code, L (Left-Hand Thread)


Temp./WLL Reduction factors : (-20°C ⇔ -10°C=50%) * (-10°C ⇔ 0°C=75%) * (0°C ⇔ 100°C=100%) * (100°C ⇔ 150°C=75%) * (150°C ⇔ 200°C=50%)

Subject to minor tolerances

| Spanschroef - extra lang Type EJ: oog / gaffel Met borgmoer; moerbout & splitpen Alloy staal & gesmeed Vuurverzinkt | | | | Tendeur - extra long Type EJ: oeil / chape Avec contre-écrou Ecrou, boulon et goupille fendue Acier allié et forgé Galvanisé à chaud | | | | Turnbuckle - extra long Type EJ: eye / clevis With lock nut Nut, bolt and split pin Alloy steel & forged Hot-dip galvanized | | | | Spannschraube - extra lang Typ EJ-Öse / Gabel Mit Kontermutter Mutter, Bolzen und Splint Alloy Stahl & geschmiedet Feuerverzinkt | | | |
|--|----------|----------|---------|---|---------|---------|---------|--|-----------|------------|------|---|---|---|--|
| Nominale maat Designation Nominal size Nenngrösse | l1 mm | l2 mm | a mm | b mm | f mm | w mm | h mm | k mm | g inch | WLL [t] | KG | Art.NR Code Art. Stock No. Art.Nr. | € |  | |
| 3/8 x 6" | 180 | 152 | 28 | 13 | 137 | 12 | 22 | 137 | 5/16 | 0,54 | 0,5 | 163303806 | | | |
| 1/2 x 6" | 190 | 152 | 36 | 18 | 153 | 16 | 27 | 147 | 3/8 | 1 | 0,8 | 163301206 | | | |
| 1/2 x 9" | 266 | 228 | 36 | 18 | 193 | 16 | 27 | 187 | 3/8 | 1 | 0,9 | 163301209 | | | |
| 1/2 x 12" | 342 | 304 | 36 | 18 | 228 | 16 | 27 | 222 | 3/8 | 1 | 1,1 | 163301212 | | | |
| 5/8 x 6" | 200 | 152 | 44 | 22 | 177 | 19 | 33 | 161 | 1/2 | 1,59 | 1,3 | 163305806 | | | |
| 5/8 x 9" | 276 | 228 | 44 | 22 | 217 | 19 | 33 | 201 | 1/2 | 1,59 | 1,5 | 163305809 | | | |
| 5/8 x 12" | 352 | 304 | 44 | 22 | 252 | 19 | 33 | 236 | 1/2 | 1,59 | 1,7 | 163305812 | | | |
| 3/4 x 6" | 210 | 152 | 54 | 25 | 196 | 23 | 38 | 173 | 5/8 | 2,36 | 2 | 163303406 | | | |
| 3/4 x 9" | 287 | 228 | 54 | 25 | 236 | 23 | 38 | 213 | 5/8 | 2,36 | 2,4 | 163303409 | | | |
| 3/4 x 12" | 362 | 304 | 54 | 25 | 271 | 23 | 38 | 248 | 5/8 | 2,36 | 2,7 | 163303412 | | | |
| 3/4 x 18" | 515 | 457 | 54 | 25 | 351 | 23 | 38 | 328 | 5/8 | 2,36 | 3,4 | 163303418 | | | |
| 7/8 x 12" | 372 | 304 | 60 | 31 | 287 | 28 | 44 | 266 | 3/4 | 3,27 | 4 | 163307812 | | | |
| 7/8 x 18" | 524 | 457 | 60 | 31 | 367 | 28 | 44 | 346 | 3/4 | 3,27 | 4,9 | 163307818 | | | |
| 1 x 12" | 381 | 304 | 76 | 36 | 323 | 30 | 52 | 286 | 7/8 | 4,54 | 5,6 | 163310012 | | | |
| 1 x 18" | 533 | 457 | 76 | 36 | 403 | 30 | 52 | 366 | 7/8 | 4,54 | 6,8 | 163310018 | | | |
| 1 ¼ x 12" | 387 | 304 | 90 | 46 | 360 | 44 | 71 | 330 | 1 1/8 | 6,89 | 9,8 | 163311412 | | | |
| 1 ¼ x 18" | 540 | 457 | 90 | 46 | 440 | 44 | 71 | 380 | 1 1/8 | 6,89 | 11,6 | 163311418 | | | |
| 1 ¼ x 24" | 693 | 610 | 90 | 46 | 440 | 44 | 71 | 479 | 1 1/8 | 6,89 | 13,6 | 163311424 | | | |
| 1 ½ x 12" | 400 | 304 | 104 | 54 | 390 | 52 | 71 | 360 | 1 3/8 | 9,71 | 15,4 | 163311212 | | | |
| 1 ½ x 18" | 550 | 457 | 104 | 54 | 465 | 52 | 71 | 430 | 1 3/8 | 9,71 | 18 | 163311218 | | | |
| 1 ½ x 24" | 703 | 610 | 104 | 54 | 540 | 52 | 71 | 496 | 1 3/8 | 9,71 | 19,3 | 163311224 | | | |
| 1 ¾ x 18" | 570 | 457 | 117 | 59 | 475 | 60 | 86 | 440 | 1 3/4 | 12,70 | 22,8 | 163313418 | | | |
| 1 ¾ x 24" | 720 | 610 | 117 | 59 | 577 | 60 | 86 | 440 | 1 3/4 | 12,70 | 26,8 | 163313424 | | | |
| 2 x 24" | 735 | 610 | 143 | 67 | 632 | 64 | 95 | 540 | 2 | 16,78 | 45 | 163320024 | | | |
| 2 ½ x 24" | 800 | 610 | 165 | 79 | 665 | 73 | 113 | 580 | 2 1/2 | 27,22 | 81 | 163321224 | | | |

No Lifting Use - Only static & in line Loads – Marking: Nominal Size, Batch code, L (Left-Hand Thread)
Temp./WLL Reduction factors : (-20°C ⇔ -10°C=50%) * (-10°C ⇔ 0°C=75%) * (0°C ⇔ 100°C=100%) * (100°C ⇔ 150°C=75%) * (150°C ⇔ 200°C=50%)
Subject to minor tolerances

| Spanschroef-extra lang Type HE: haak / oog Met borgmoer Gelegeerd staal & gesmeed Thermisch verzinkt | | | | Tendeur –extra longue Type HE: crochet / oeil Avec ecrou de serrage Acier allié et forgé Galvanisé à chaud | | | | Turnbuckle –extra long Type HE: hook / eye With lock-nut Alloy steel & forged Hot-dip galvanized | | | Spannschraube – extra lang Type HE: auge / haak Mit kontermuttern Alloy Stahl & geschmiedet Feuerverzinkt | |
|--|----------|----------|---------|--|---------|---------|---------|--|-----|---|---|---|
| Nominale maat Designation Nominal size Nenngrösse | l1 mm | l2 mm | a mm | b mm | f mm | m mm | e mm | WLL [t] | KG | Art.NR Code Art. Stock No. Art.Nr. | € |  |
| 3/8 x 6" | 180 | 152 | 28 | 13 | 137 | 12 | 129 | 0,45 | 0.4 | 163003806 | | |
| 1/2 x 6" | 190 | 152 | 36 | 18 | 153 | 15 | 147 | 0,68 | 0.7 | 163001206 | | |
| 1/2 x 9" | 266 | 228 | 36 | 18 | 193 | 15 | 187 | 0,68 | 0.8 | 163001209 | | |
| 1/2 x 12" | 342 | 304 | 36 | 18 | 228 | 15 | 222 | 0,68 | 1.0 | 163001212 | | |
| 5/8 x 6" | 200 | 152 | 44 | 22 | 177 | 20 | 166 | 1 | 1.0 | 163005806 | | |
| 5/8 x 9" | 276 | 228 | 44 | 22 | 217 | 20 | 206 | 1 | 1.3 | 163005809 | | |
| 5/8 x 12" | 352 | 304 | 44 | 22 | 252 | 20 | 241 | 1 | 1.6 | 163005812 | | |
| 3/4 x 6" | 210 | 152 | 54 | 25 | 196 | 23 | 181 | 1,36 | 1.8 | 163003406 | | |
| 3/4 x 9" | 287 | 228 | 54 | 25 | 236 | 23 | 221 | 1,36 | 2.1 | 163003409 | | |
| 3/4 x 12" | 362 | 304 | 54 | 25 | 271 | 23 | 256 | 1,36 | 2.4 | 163003412 | | |
| 3/4 x 18" | 515 | 457 | 54 | 25 | 351 | 23 | 336 | 1,36 | 3.1 | 163003418 | | |
| 7/8 x 12" | 372 | 304 | 60 | 31 | 287 | 26 | 273 | 1,81 | 3.6 | 163007812 | | |
| 7/8 x 18" | 524 | 457 | 60 | 31 | 367 | 26 | 353 | 1,81 | 4.4 | 163007818 | | |
| 1 x 12" | 381 | 304 | 76 | 36 | 323 | 29 | 286 | 2,27 | 5.1 | 163010012 | | |
| 1 x 18" | 533 | 457 | 76 | 36 | 403 | 29 | 3.66 | 2,27 | 6.3 | 163010018 | | |

 No Lifting Use - Only static & in line Loads – Marking: Nominal Size, Batch code, L (Left-Hand Thread)
Temp./ WLL Reduction factors : (-20°C ⇔ -10°C=50%) * (-10°C ⇔ 0°C=75%) * (0°C ⇔ 100°C=100%) * (100°C ⇔ 150°C=75%) * (150°C ⇔ 200°C=50%)
Subject to minor tolerances

SF 5:1