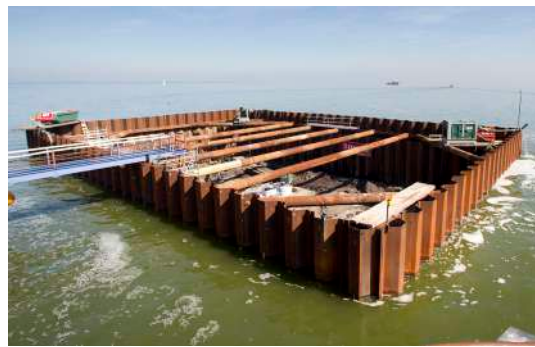




MEEVER & MEEVER

 2024



PILING PRODUCTS

+31183-358383 • INFO@MEEVER.NL • WWW.MEEVER.NL



25

**RELY
ON US**



MEEVER & MEEVER

- **Sheet Piles**
- **Steel Tubes**
- **Steel Beams**
- **Welded Structures**
- **Anchorage Systems**
- **Combined Walls**
- **Rental of Piling Materials**
- **Rental of Piling Equipment**
- **Bracing Systems**
- **Project Engineering**
- **Project Design**
- **Interlock Sealant**
- **Driving Caps**

**Since 1978 your
partner in steel
piling products.**



About Meever & Meever



Meever & Meever specializes in producing, rental and supplying steel sheet piling, welded & seamless steel tubes, rental of piling equipment and production of anchoring systems. We consider teamwork with our customers as a key element of our success.

Meever & Meever is a large international company that supplies high-quality steel products to construction companies, governments, and contractors worldwide and provides them with the most modern (innovative) construction machinery and construction concepts for steel foundation methods and state-of-the-art engineering and product advice.

We are internationally recognized by our clients as a top player in this specialized market segment. The integration of sustainable developments, smart steel solutions and construction concepts is essential to meet and exceed the expectations of our clients and to improve the quality of our living environment. We see sustainability and recycling of steel products and the reduction of CO2 emissions as our main aspects to which we want to commit ourselves.

As a family business with more than 50 years of experience, we are passionate about our work and steel products, rentals of construction machinery and foundations concepts. We enjoy working with our colleagues and partners across the world in finding the most cost-efficient and added value to our clients.

Our Core Values and Business Integrity Principles

We are a family business with strong core values. With more than 50 years of history, continuity is our main motivation. As a family business, we focus on creating long-term value and lasting relationships with our clients, employees, and partners.

We act in accordance with our Five core values, which underpin the way we do business and aim to be:

1. Integrity in all actions
2. Trust
3. Accountability for results
4. Excellence
5. Pioneering

For a complete explanation of our Five Core Values, please take a look on our website.



Meever & Meever is ISO 9001 and MPA NRW certified.





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May 2024

This brochure contains product specifications. Check our website for all dimensions. Typesetting and printing errors subject to change.





Hot Rolled U-Profiles

**Do you want to save up to 40%
on the profiles below?**

**Look at the tailor-made suit
from the sheet pile world on page 9.**



Sheet Pile Caps in any
desired shape from our
own production.

Meeveer only sells ArcelorMittal sheet piles that she has bought as remnants from other projects.



| ArcelorMittal | Profile | Wy | ly | Width | Height | Thickness | | Weight | | Coating Area | Wpl |
|---------------|---------|--------------------|--------------------|-------|--------|-----------|--------|-------------------|-------------------|--------------------------------|--------------------|
| | | cm ³ /m | cm ⁴ /m | mm | mm | t (mm) | s (mm) | kg/m ¹ | kg/m ² | m ² /m ² | cm ³ /m |
| AU 14 | 1.410 | 28.710 | 750 | 408 | 10,0 | 8,3 | 77,9 | 103,8 | 2,54 | 1.663 | |
| AU 16 | 1.600 | 32.850 | 750 | 411 | 11,5 | 9,3 | 86,3 | 115,0 | 2,54 | 1.891 | |
| AU 17 | 1.665 | 34.270 | 750 | 412 | 12,0 | 9,7 | 89,0 | 118,7 | 2,54 | 1.968 | |
| AU 18 | 1.780 | 39.300 | 750 | 441 | 10,5 | 9,1 | 88,5 | 118,0 | 2,66 | 2.082 | |
| AU 20 | 2.000 | 44.440 | 750 | 444 | 12,0 | 10,0 | 96,9 | 129,2 | 2,66 | 2.339 | |
| AU 21 | 2.075 | 46.180 | 750 | 445 | 12,5 | 10,3 | 99,7 | 132,9 | 2,66 | 2.423 | |
| AU 23 | 2.270 | 50.700 | 750 | 447 | 13,0 | 9,5 | 102,1 | 136,1 | 2,72 | 2.600 | |
| AU 25 | 2.500 | 56.240 | 750 | 450 | 14,5 | 10,2 | 110,4 | 147,2 | 2,72 | 2.866 | |
| AU 26 | 2.580 | 58.140 | 750 | 451 | 15,0 | 10,5 | 113,2 | 150,9 | 2,72 | 2.955 | |
| PU 12 | 1.200 | 21.600 | 600 | 360 | 9,8 | 9,0 | 66,1 | 110,1 | 2,64 | 1.457 | |
| PU 12 10/10 | 1.255 | 22.580 | 600 | 360 | 10,0 | 10,0 | 69,6 | 116,0 | 2,64 | 1.535 | |
| PU 18-1 | 1.670 | 35.950 | 600 | 430 | 10,2 | 8,4 | 72,6 | 121,0 | 2,86 | 1.988 | |
| PU 18 | 1.800 | 38.650 | 600 | 430 | 11,2 | 9,0 | 76,9 | 128,2 | 2,86 | 2.134 | |
| PU 22 | 2.200 | 49.460 | 600 | 450 | 12,1 | 9,5 | 86,1 | 143,6 | 2,98 | 2.580 | |
| PU 28-1 | 2.680 | 60.580 | 600 | 452 | 14,2 | 9,7 | 97,4 | 162,3 | 3,08 | 3.087 | |
| PU 28 | 2.840 | 64.460 | 600 | 454 | 15,2 | 10,1 | 101,8 | 169,6 | 3,08 | 3.269 | |
| PU 32 | 3.200 | 72.320 | 600 | 452 | 19,5 | 11,0 | 114,1 | 190,2 | 3,04 | 3.687 | |
| GU 6N | 625 | 9.670 | 600 | 309 | 6,0 | 6,0 | 41,9 | 69,9 | 2,52 | 765 | |
| GU 7N | 675 | 10.450 | 600 | 310 | 6,5 | 6,4 | 44,1 | 73,5 | 2,52 | 825 | |
| GU 7S | 740 | 11.540 | 600 | 311 | 7,2 | 6,9 | 46,3 | 77,1 | 2,52 | 900 | |
| GU 8N | 770 | 12.010 | 600 | 312 | 7,5 | 7,1 | 48,5 | 80,9 | 2,52 | 935 | |
| GU 8S | 820 | 12.800 | 600 | 313 | 8,0 | 7,5 | 50,8 | 84,6 | 2,52 | 995 | |
| GU 10N | 990 | 15.700 | 600 | 316 | 9,0 | 6,8 | 55,8 | 93,0 | 2,58 | 1.160 | |
| GU 11N | 1.095 | 17.450 | 600 | 318 | 10,0 | 7,4 | 60,2 | 100,4 | 2,58 | 1.280 | |
| GU 12N | 1.200 | 19.220 | 600 | 320 | 11,0 | 8,0 | 64,6 | 107,7 | 2,58 | 1.400 | |
| GU 13N | 1.270 | 26.590 | 600 | 418 | 9,0 | 7,4 | 59,9 | 99,8 | 2,82 | 1.535 | |
| GU 14N | 1.400 | 29.410 | 600 | 420 | 10,0 | 8,0 | 64,3 | 107,1 | 2,82 | 1.685 | |
| GU 15N | 1.530 | 32.260 | 600 | 422 | 11,0 | 8,6 | 68,7 | 114,5 | 2,82 | 1.840 | |
| GU 16N | 1.670 | 35.950 | 600 | 430 | 10,2 | 8,4 | 72,6 | 121,0 | 2,86 | 1.988 | |
| GU 18N | 1.800 | 38.650 | 600 | 430 | 11,2 | 9,0 | 76,9 | 128,2 | 2,86 | 2.134 | |
| GU 20N | 1.920 | 41.320 | 600 | 430 | 12,2 | 9,5 | 81,1 | 135,2 | 2,86 | 2.280 | |
| GU 21N | 2.060 | 46.380 | 600 | 450 | 11,1 | 9,0 | 81,9 | 136,5 | 2,98 | 2.422 | |
| GU 22N | 2.200 | 49.460 | 600 | 450 | 12,1 | 9,5 | 86,1 | 143,6 | 2,98 | 2.580 | |
| GU 23N | 2.335 | 52.510 | 600 | 450 | 13,1 | 10,0 | 90,4 | 150,7 | 2,98 | 2.735 | |
| GU 27N | 2.680 | 60.580 | 600 | 452 | 14,2 | 9,7 | 97,4 | 162,3 | 3,08 | 3.087 | |
| GU 28N | 2.840 | 64.460 | 600 | 454 | 15,2 | 10,1 | 101,8 | 169,6 | 3,08 | 3.269 | |
| GU 30N | 3.000 | 68.380 | 600 | 456 | 16,2 | 10,5 | 106,2 | 177,1 | 3,08 | 3.450 | |
| GU 31N | 3.065 | 69.210 | 600 | 452 | 18,5 | 10,6 | 109,9 | 183,2 | 3,04 | 3.525 | |
| GU 32N | 3.200 | 72.320 | 600 | 452 | 19,5 | 11,0 | 114,1 | 190,2 | 3,04 | 3.687 | |
| GU 33N | 3.340 | 75.410 | 600 | 452 | 20,5 | 11,4 | 118,4 | 197,3 | 3,04 | 3.845 | |
| GU 16-400 | 1.560 | 22.580 | 400 | 290 | 12,7 | 9,4 | 62,0 | 154,9 | 3,20 | 1.815 | |
| GU 18-400 | 1.785 | 26.090 | 400 | 292 | 15,0 | 9,7 | 69,3 | 173,3 | 3,20 | 2.080 | |

Manufactured according to:

Technical delivery conditions according to EN 10248-1

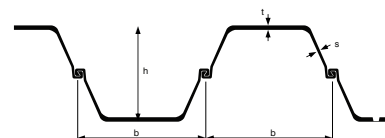
Tolerances according to EN 10248-2

Steel grade:

S270GP, S355GP, S 390GP, S 430GP, S460GP and S500GP with 3.1 certificate according to EN 10204.

Available as standard:

Length up to 24,000 mm, longer dimensions on request.



| Vitkovice | Profile | Wy | ly | Width | Height | Thickness | | Weight | | Coating Area | | | Wpl | |
|-----------|---------|--------------------|--------------------|-------|--------|-----------|--------|-------------------|-------------------|--------------|------|--------------------------------|-----|--------------------|
| | | cm ³ /m | cm ⁴ /m | | | t (mm) | s (mm) | kg/m ¹ | kg/m ² | E | D | m ² /m ² | | cm ³ /m |
| | | mm | mm | | | mm | mm | mm | mm | mm | mm | mm | | mm |
| VL601 | 744 | 11.530 | 600 | 310 | 7,5 | 6,4 | 46,3 | 77,2 | 1,6 | 3,8 | 2,47 | 895 | | |
| VL601FP | 745 | 11.547 | 600 | 310 | 7,2 | 7 | 47,4 | 79 | 1,6 | 3,8 | 2,47 | 906 | | |
| VL601K | 775 | 12.019 | 600 | 310 | 7,8 | 6,8 | 48,5 | 80,8 | 1,6 | 3,8 | 2,47 | 936 | | |
| VL602A | 806 | 12.499 | 600 | 310 | 8 | 7,3 | 51,3 | 85,5 | 1,6 | 3,8 | 2,47 | 979 | | |
| VL602 | 842 | 13.046 | 600 | 310 | 8,4 | 7,6 | 53,4 | 89 | 1,6 | 3,8 | 2,47 | 1.022 | | |
| VL602K | 877 | 13.590 | 600 | 310 | 8,8 | 7,9 | 55,4 | 92,3 | 1,6 | 3,8 | 2,47 | 1.065 | | |
| VL603A | 1.138 | 18.205 | 600 | 320 | 9 | 8 | 61,5 | 102,5 | 1,72 | 3,31 | 2,65 | 1.316 | | |
| VL603 | 1.200 | 19.199 | 600 | 320 | 9,6 | 8,2 | 64,2 | 107 | 1,73 | 3,31 | 2,65 | 1.386 | | |
| VL603N | 1.273 | 24.269 | 600 | 381,2 | 9,8 | 7,9 | 63,4 | 105,7 | 1,73 | 3,32 | 2,65 | 1.519 | | |
| VL603KN | 1.230 | 19.682 | 600 | 320 | 9,8 | 8,6 | 66,9 | 111,5 | 1,73 | 3,32 | 2,65 | 1.427 | | |
| VL603K | 1.241 | 19.853 | 600 | 320 | 9,8 | 9 | 67,8 | 113 | 1,73 | 3,32 | 2,65 | 1.443 | | |
| VL603Z | 1.300 | 20.930 | 600 | 322 | 10 | 10 | 72,1 | 120,2 | 1,73 | 3,32 | 2,65 | 1.525 | | |
| VL604A | 1.564 | 30.495 | 600 | 390 | 9,6 | 8,8 | 71 | 118,3 | 1,85 | 3,58 | 2,88 | 1.823 | | |
| VL604AN | 1.409 | 27.478 | 600 | 390 | 8,7 | 7,7 | 64,3 | 107,1 | 1,85 | 3,58 | 2,88 | 1.637 | | |
| VL604 | 1.618 | 31.548 | 600 | 390 | 10 | 9 | 73,1 | 121,8 | 1,85 | 3,56 | 2,85 | 1.885 | | |
| VL604K | 1.672 | 32.600 | 600 | 390 | 10,4 | 9,2 | 75,2 | 125,3 | 1,85 | 3,56 | 2,85 | 1.947 | | |
| VL605A | 1.821 | 38.243 | 600 | 420 | 10,7 | 9 | 76,5 | 127,5 | 1,89 | 3,64 | 2,91 | 2.125 | | |
| VL605N | 2.019 | 42.664 | 600 | 422,6 | 12 | 9,5 | 82,1 | 136,9 | 1,88 | 3,62 | 2,9 | 2.348 | | |
| VL605KN | 2.117 | 44.886 | 600 | 424 | 12,6 | 10 | 85,6 | 142,7 | 1,88 | 3,62 | 2,9 | 2.466 | | |
| VL606A | 2.205 | 47.402 | 600 | 430 | 13,4 | 9 | 85,4 | 142,3 | 1,9 | 3,65 | 2,93 | 2.541 | | |
| VL606AN | 2.355 | 50.878 | 600 | 432 | 14,4 | 9,4 | 89,8 | 149,6 | 1,89 | 3,65 | 2,92 | 2.714 | | |
| VL606N | 2.506 | 54.389 | 600 | 434 | 15,4 | 9,8 | 94,1 | 156,8 | 1,89 | 3,65 | 2,92 | 2.887 | | |
| VL628-1,5 | 2.607 | 58.938 | 600 | 452,1 | 14,8 | 9,5 | 95,2 | 158,6 | 1,88 | 3,66 | 2,94 | 3.006 | | |
| VL628AN | 2.701 | 61.219 | 600 | 453,3 | 15,4 | 9,8 | 97,9 | 163,1 | 1,88 | 3,66 | 2,94 | 3.114 | | |
| VL628A | 2.809 | 63.856 | 600 | 454,7 | 16,1 | 10 | 100,8 | 168 | 1,88 | 3,66 | 2,94 | 3.238 | | |
| VL628 | 2.841 | 64.640 | 600 | 455,1 | 16,3 | 10,1 | 101,8 | 169,6 | 1,88 | 3,66 | 2,94 | 3.276 | | |
| VL628K | 2.903 | 66.165 | 600 | 455,9 | 16,7 | 10,3 | 103,5 | 172,5 | 1,88 | 3,66 | 2,94 | 3.347 | | |
| VL607A | 3.006 | 68.232 | 600 | 453,9 | 17,7 | 10 | 106,2 | 177,1 | 1,95 | 3,75 | 2,98 | 3.460 | | |
| VL607 | 3.211 | 73.300 | 600 | 456,5 | 19 | 10,6 | 112,4 | 187,3 | 1,95 | 3,75 | 2,98 | 3.701 | | |
| VL607K | 3.365 | 77.153 | 600 | 458,5 | 20 | 11 | 116,8 | 194,7 | 1,95 | 3,75 | 2,98 | 3.882 | | |

| Hoesch | Profile | Wy | ly | Width | Height | Thickness | | Weight | | Coating Area | | Wpl |
|-------------------|---------|--------------------|--------------------|-------|--------|-----------|--------|-------------------|-------------------|--------------------------------|--------------------|-----|
| | | cm ³ /m | cm ⁴ /m | | | t (mm) | s (mm) | kg/m ¹ | kg/m ² | m ² /m ² | cm ³ /m | |
| | | mm | mm | | | mm | mm | mm | mm | mm | mm | |
| Larssen 703 | 1.210 | 24.200 | 700 | 400 | 9,5 | 8,0 | 67,5 | 96,4 | 2,51 | | 730 | |
| Larssen 703 K | 1.300 | 25.950 | 700 | 400 | 10,0 | 9,0 | 72,1 | 103,0 | 2,51 | | 787,5 | |
| Larssen 703 10/10 | 1.340 | 26.800 | 700 | 400 | 10,0 | 10,0 | 75,6 | 108,0 | 2,51 | | 786 | |
| Larssen 716 | 1.600 | 35.200 | 700 | 440 | 10,2 | 9,5 | 79,9 | 114,2 | 2,68 | | 919 | |
| Larssen 720 | 2.000 | 45.000 | 750 | 450 | 12,0 | 10,0 | 96,4 | 128,5 | 2,66 | | 1.292 | |
| Larssen 600 | 510 | 3.825 | 600 | 150 | 9,5 | 9,5 | 56,4 | 94,0 | 2,25 | | 290 | |
| Larssen 600 K | 540 | 4.050 | 600 | 150 | 10,0 | 10,0 | 59,4 | 99,0 | 2,25 | | 309 | |
| Larssen 601 | 745 | 11.520 | 600 | 310 | 7,5 | 6,4 | 46,8 | 78,0 | 2,45 | | 418 | |
| Larssen 602 | 830 | 12.870 | 600 | 310 | 8,2 | 8,0 | 53,4 | 89,0 | 2,45 | | 482 | |
| Larssen 603 | 1.200 | 18.600 | 600 | 310 | 9,7 | 8,2 | 64,8 | 108,0 | 2,60 | | 650 | |
| Larssen 603 K | 1.240 | 19.220 | 600 | 310 | 10,0 | 9,0 | 68,1 | 113,5 | 2,60 | | 680 | |
| Larssen 603 10/10 | 1.260 | 19.530 | 600 | 310 | 10,0 | 10,0 | 69,6 | 116,0 | 2,60 | | 700 | |
| Larssen 604 n | 1.600 | 30.400 | 600 | 380 | 10,0 | 9,0 | 73,8 | 123,0 | 2,82 | | 931 | |
| Larssen 605 | 2.020 | 42.420 | 600 | 420 | 12,5 | 9,0 | 83,5 | 139,2 | 2,90 | | 1.170 | |
| Larssen 605 K | 2.030 | 42.630 | 600 | 420 | 12,2 | 10,0 | 86,7 | 144,5 | 2,90 | | 1.193 | |
| Larssen 606 n | 2.500 | 54.375 | 600 | 435 | 14,4 | 9,2 | 94,2 | 157,0 | 2,92 | | 1.410 | |
| Larssen 606 n K | 2.530 | 55.030 | 600 | 435 | 14,4 | 10,0 | 97,3 | 162,1 | 2,92 | | 1.444 | |
| Larssen 628 | 2.775 | 63.270 | 600 | 456 | 16,3 | 9,8 | 99,3 | 165,5 | 3,03 | | 1.596 | |
| Larssen 607 n | 3.200 | 72.320 | 600 | 452 | 19,0 | 10,6 | 114,0 | 190,0 | 2,93 | | 1.810 | |
| Larssen 22 | 1.260 | 21.420 | 500 | 340 | 10,0 | 9,0 | 61,8 | 123,6 | 2,84 | | 1.516 | |
| Larssen 22 10/10 | 1.300 | 22.100 | 500 | 340 | 10,0 | 10,0 | 64,9 | 129,8 | 2,84 | | 1.574 | |
| Larssen 23 | 2.000 | 42.000 | 500 | 420 | 11,5 | 10,0 | 77,5 | 155,0 | 3,15 | | 2.300 | |
| Larssen 24 | 2.500 | 52.500 | 500 | 420 | 15,6 | 10,0 | 87,5 | 175,0 | 3,15 | | 2.800 | |
| Larssen 24/12 | 2.550 | 53.610 | 500 | 420 | 15,6 | 12,0 | 92,7 | 185,4 | 3,15 | | 2.948 | |
| Larssen 25 | 3.040 | 63.840 | 500 | 420 | 20,0 | 11,5 | 103,0 | 206,0 | 3,11 | | 3.480 | |
| Larssen 43 | 1.660 | 34.900 | 500 | 420 | 12,0 | 12,0 | 83,0 | 166,0 | 2,80 | | 2.200 | |
| Larssen 430 | 6.450 | 241.800 | 708 | 750 | 12,0 | 12,0 | 166,0 | 234,5 | 3,96 | | 7.500 | |





Hot Rolled Z-Profiles

**Do you want to save up to 40%
on the profiles below?**

**Look at the tailor-made suit
from the sheet pile world on page 9.**



Sheet Pile Caps in any
desired shape from our
own production.

Meever only sells ArcelorMittal sheet piles that she has bought as remnants from other projects.



| ArcelorMittal | Profile | Wy | ly | Width | Height | Thickness | | Weight | | Coating Area | Wpl |
|---------------|-----------------|--------------------|--------------------|-------|--------|-----------|------|--------|--------|--------------|-------|
| | | cm ³ /m | cm ⁴ /m | | | mm | mm | t (mm) | s (mm) | | |
| | AZ 12-700 | 1.205 | 18.880 | 700 | 314 | 8,5 | 8,5 | 67,7 | 96,7 | 2,44 | 1.415 |
| | AZ 12-770 | 1.245 | 21.430 | 770 | 344 | 8,5 | 8,5 | 72,6 | 94,3 | 2,40 | 1.480 |
| | AZ 13-700 | 1.305 | 20.540 | 700 | 315 | 9,5 | 9,5 | 74,0 | 105,7 | 2,44 | 1.540 |
| | AZ 13-700 10/10 | 1.355 | 21.370 | 700 | 316 | 10,0 | 10,0 | 77,2 | 110,2 | 2,44 | 1.600 |
| | AZ 13-770 | 1.300 | 22.360 | 770 | 344 | 9,0 | 9,0 | 76,1 | 98,8 | 2,40 | 1.546 |
| | AZ 14-770 | 1.355 | 23.300 | 770 | 345 | 9,5 | 9,5 | 79,5 | 103,2 | 2,40 | 1.611 |
| | AZ 14-700 | 1.405 | 22.190 | 700 | 316 | 10,5 | 10,5 | 80,3 | 114,7 | 2,44 | 1.665 |
| | AZ 14-770 10/10 | 1.405 | 24.240 | 770 | 345 | 10,0 | 10,0 | 82,9 | 107,7 | 2,40 | 1.677 |
| | AZ 17-700 | 1.730 | 36.230 | 700 | 420 | 8,5 | 8,5 | 73,1 | 104,4 | 2,66 | 2.027 |
| | AZ 18 | 1.800 | 34.200 | 630 | 380 | 9,5 | 9,5 | 74,4 | 118,1 | 2,70 | 2.104 |
| | AZ 18-700 | 1.800 | 37.800 | 700 | 420 | 9,0 | 9,0 | 76,5 | 109,3 | 2,66 | 2.116 |
| | AZ 18-800 | 1.840 | 41.320 | 800 | 449 | 8,5 | 8,5 | 80,7 | 100,9 | 2,60 | 2.135 |
| | AZ 18 10/10 | 1.870 | 35.540 | 630 | 381 | 10,0 | 10,0 | 77,8 | 123,4 | 2,70 | 2.189 |
| | AZ 19-700 | 1.870 | 39.380 | 700 | 421 | 9,5 | 9,5 | 80,0 | 114,3 | 2,66 | 2.206 |
| | AZ 20-700 | 1.945 | 40.960 | 700 | 421 | 10,0 | 10,0 | 83,5 | 119,3 | 2,66 | 2.296 |
| | AZ 20-800 | 2.000 | 45.050 | 800 | 450 | 9,5 | 9,5 | 88,6 | 110,7 | 2,60 | 2.330 |
| | AZ 22-800 | 2.165 | 48.790 | 800 | 451 | 10,5 | 10,5 | 96,4 | 120,5 | 2,60 | 2.525 |
| | AZ 23-800 | 2.330 | 55.260 | 800 | 474 | 11,5 | 9,0 | 94,6 | 118,2 | 2,64 | 2.680 |
| | AZ 24-700 | 2.430 | 55.820 | 700 | 459 | 11,2 | 11,2 | 95,7 | 136,7 | 2,76 | 2.867 |
| | AZ 25-800 | 2.500 | 59.410 | 800 | 475 | 12,5 | 10,0 | 102,6 | 128,2 | 2,64 | 2.890 |
| | AZ 26-700 | 2.600 | 59.720 | 700 | 460 | 12,2 | 12,2 | 102,9 | 146,9 | 2,76 | 3.070 |
| | AZ 27-800 | 2.670 | 63.570 | 800 | 476 | 13,5 | 11,0 | 110,5 | 138,1 | 2,64 | 3.100 |
| | AZ 28-700 | 2.760 | 63.620 | 700 | 461 | 13,2 | 13,2 | 110,0 | 157,2 | 2,76 | 3.273 |
| | AZ 28-750 | 2.810 | 71.540 | 750 | 509 | 12,0 | 10,0 | 100,8 | 134,4 | 2,82 | 3.245 |
| | AZ 30-750 | 3.005 | 76.670 | 750 | 510 | 13,0 | 11,0 | 108,8 | 145,0 | 2,82 | 3.485 |
| | AZ 32-750 | 3.200 | 81.800 | 750 | 511 | 14,0 | 12,0 | 116,7 | 155,6 | 2,82 | 3.720 |
| | AZ 36-700N | 3.590 | 89.610 | 700 | 499 | 15,0 | 11,2 | 118,6 | 169,5 | 2,94 | 4.110 |
| | AZ 38-700N | 3.795 | 94.840 | 700 | 500 | 16,0 | 12,2 | 126,4 | 180,6 | 2,94 | 4.360 |
| | AZ 40-700N | 3.995 | 100.080 | 700 | 501 | 17,0 | 13,2 | 134,2 | 191,7 | 2,94 | 4.605 |
| | AZ 42-700N | 4.205 | 104.930 | 700 | 499 | 18,0 | 14,0 | 142,1 | 203,1 | 2,94 | 4.855 |
| | AZ 44-700N | 4.405 | 110.150 | 700 | 500 | 19,0 | 15,0 | 149,9 | 214,2 | 2,94 | 5.105 |
| | AZ 46-700N | 4.605 | 115.370 | 700 | 501 | 20,0 | 16,0 | 157,7 | 225,3 | 2,94 | 5.350 |
| | AZ 48-700 | 4.755 | 119.650 | 700 | 503 | 22,0 | 15,0 | 158,5 | 226,4 | 2,92 | 5.490 |
| | AZ 50-700 | 4.955 | 124.890 | 700 | 504 | 23,0 | 16,0 | 166,3 | 237,5 | 2,92 | 5.735 |
| | AZ 52-700 | 5.155 | 130.140 | 700 | 505 | 24,0 | 17,0 | 174,1 | 248,7 | 2,92 | 5.985 |



Hot Rolled Z-Profiles

| ESI | Profile | Wy | ly | Width | Height | Thickness | | Weight | | Coating Area | Wpl |
|-----|----------------------|--------------------|--------------------|-------|--------|-----------|------|--------|--------|--------------|------|
| | | cm ³ /m | cm ⁴ /m | | | mm | mm | t (mm) | s (mm) | | |
| | ESZ 17 | 1.675 | 31.300 | 630 | 374 | 8,5 | 8,5 | 69,8 | 110,8 | 2,67 | 1955 |
| | ESZ 17-700 | 1.735 | 36.360 | 700 | 420 | 8,5 | 8,5 | 74,0 | 105,7 | 2,63 | 2041 |
| | ESZ 18 | 1.805 | 33.860 | 630 | 375 | 9,5 | 9,5 | 76,0 | 120,7 | 2,67 | 2118 |
| | ESZ 18-700 | 1.805 | 37.890 | 700 | 420 | 9,0 | 9,0 | 77,4 | 110,6 | 2,63 | 2129 |
| | ESZ 19 | 1.935 | 36.410 | 630 | 376 | 10,5 | 10,5 | 82,2 | 130,5 | 2,67 | 2280 |
| | ESZ 19-700 | 1.875 | 39.420 | 700 | 421 | 9,5 | 9,5 | 80,8 | 115,4 | 2,63 | 2217 |
| | ESZ 20 | 2.005 | 37.730 | 630 | 377 | 11,0 | 11,0 | 85,4 | 135,6 | 2,67 | 2364 |
| | ESZ 20-700 | 1.945 | 40.940 | 700 | 421 | 10,0 | 10,0 | 84,2 | 120,3 | 2,63 | 2305 |
| | ESZ 20-700 10,5/10,5 | 2.015 | 42.470 | 700 | 422 | 10,5 | 10,5 | 87,6 | 125,2 | 2,63 | 2393 |
| | ESZ 24-700 | 2.435 | 55.870 | 700 | 459 | 12,0 | 9,0 | 89,5 | 127,9 | 2,76 | 2809 |
| | ESZ 25-700 | 2.520 | 57.840 | 700 | 460 | 12,5 | 9,5 | 93,1 | 133,0 | 2,76 | 2912 |
| | ESZ 26-700 | 2.600 | 59.810 | 700 | 460 | 13,0 | 10,0 | 96,7 | 138,1 | 2,76 | 3014 |
| | ESZ 27-700 | 2.685 | 61.780 | 700 | 461 | 13,5 | 10,5 | 100,3 | 143,3 | 2,76 | 3117 |
| | ESZ 28-700 | 2.765 | 63.750 | 700 | 461 | 14,0 | 11,0 | 103,9 | 148,4 | 2,76 | 3220 |
| | ESZ 36-700 | 3.580 | 91.130 | 700 | 509 | 14,0 | 11,5 | 116,2 | 166,1 | 3,02 | 4105 |
| | ESZ 37-700 | 3.690 | 94.000 | 700 | 510 | 14,5 | 12,0 | 120,2 | 171,8 | 3,02 | 4226 |
| | ESZ 38-700 | 3.800 | 96.860 | 700 | 510 | 15,0 | 12,5 | 124,2 | 177,4 | 3,02 | 4357 |
| | ESZ 39-700 | 3.905 | 99.720 | 700 | 511 | 15,5 | 13,0 | 128,2 | 183,1 | 3,02 | 4489 |
| | ESZ 40-700 | 4.015 | 102.590 | 700 | 511 | 16,0 | 13,5 | 132,2 | 188,8 | 3,02 | 4621 |



These sheet piles are produced with a constant focus on sustainability, made from recycled and reusable materials. In addition to our stock profiles, our design and production process enables us to realise the most environmentally friendly solution for your specific project.

| Meever | Profile | Wy | ly | Width | Height | Thickness | | Weight | | Coating Area | Wpl |
|--------|-----------|--------------------|--------------------|-------|--------|-----------|------|--------|--------|--------------|-------|
| | | cm ³ /m | cm ⁴ /m | | | mm | mm | t (mm) | s (mm) | | |
| | ZZ 12-770 | 1.252 | 21.496 | 770 | 343,5 | 8,6 | 8,5 | 72,8 | 94,5 | 2,55 | 1.488 |
| | ZZ 13-770 | 1.304 | 22.433 | 770 | 344,0 | 9,1 | 9,0 | 76,2 | 99,0 | 2,55 | 1.551 |
| | ZZ 14-770 | 1.357 | 23.370 | 770 | 344,5 | 9,6 | 9,5 | 79,6 | 103,4 | 2,55 | 1.613 |
| | ZZ 17-700 | 1.735 | 36.425 | 700 | 420,0 | 8,5 | 8,4 | 73,3 | 104,7 | 2,81 | 2.032 |
| | ZZ 18-700 | 1.807 | 38.001 | 700 | 420,5 | 9,1 | 9,0 | 76,7 | 109,6 | 2,81 | 2.132 |
| | ZZ 19-700 | 1.880 | 39.578 | 700 | 421,0 | 9,6 | 9,5 | 80,2 | 114,6 | 2,81 | 2.210 |
| | ZZ 20-700 | 1.953 | 41.155 | 700 | 421,5 | 10,1 | 10,0 | 83,7 | 119,6 | 2,81 | 2.304 |
| | ZZ 24-700 | 2.437 | 55.949 | 700 | 459,2 | 11,3 | 11,2 | 95,8 | 136,9 | 2,93 | 2.875 |
| | ZZ 26-700 | 2.601 | 59.843 | 700 | 460,2 | 12,3 | 12,2 | 103,0 | 147,1 | 2,93 | 3.071 |
| | ZZ 28-700 | 2.764 | 63.740 | 700 | 461,2 | 13,3 | 13,2 | 110,1 | 157,3 | 2,93 | 3.278 |
| | ZZ 36-700 | 3.596 | 89.753 | 700 | 499,2 | 15,1 | 11,2 | 118,7 | 169,6 | 3,11 | 4.151 |
| | ZZ 38-700 | 3.798 | 94.984 | 700 | 500,2 | 16,1 | 12,2 | 126,5 | 180,7 | 3,11 | 4.363 |
| | ZZ 40-700 | 3.999 | 100.219 | 700 | 501,2 | 17,1 | 13,2 | 134,3 | 191,9 | 3,11 | 4.610 |
| | ZZ 42-700 | 4.228 | 105.543 | 700 | 499,2 | 18,1 | 14,0 | 143,0 | 204,3 | 3,10 | 4.882 |
| | ZZ 44-700 | 4.436 | 110.942 | 700 | 500,2 | 19,1 | 15,0 | 150,7 | 215,3 | 3,10 | 5.096 |
| | ZZ 46-700 | 4.635 | 116.159 | 700 | 501,2 | 20,1 | 16,0 | 158,5 | 226,4 | 3,10 | 5.343 |
| | ZZ 48-700 | 4.788 | 120.467 | 700 | 503,2 | 22,1 | 15,0 | 159,3 | 227,6 | 3,10 | 5.528 |
| | ZZ 50-700 | 4.973 | 125.358 | 700 | 504,2 | 23,1 | 16,0 | 166,7 | 238,1 | 3,10 | 5.713 |
| | ZZ 52-700 | 5.162 | 130.403 | 700 | 505,2 | 24,1 | 17,0 | 174,3 | 249,0 | 3,10 | 5.951 |

Manufactured according to:

Technical delivery conditions according to EN 10248-1

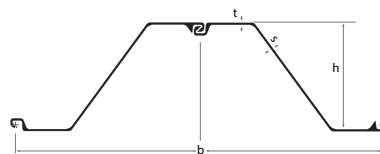
Tolerances according to EN 10248-2

Steel grade:

S270GP, S355GP, S 390GP, S 430GP, S460GP and S500GP with 3.1 certificate according to EN 10204.

Available as standard:

Length up to 24,000 mm, longer dimensions on request.





IBO® The Tailor-Made Suit In The Sheet Pile World

Sheet piling which in terms of dimensions, weight and technical specifications exactly match the strength and stiffness required in the specifications.

The Benefits:

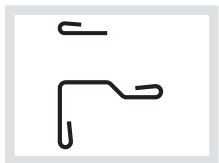
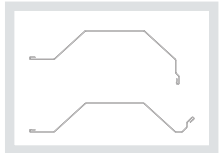
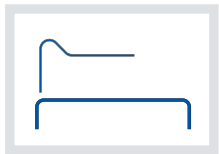
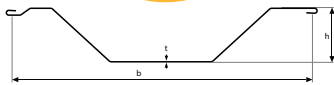
- IBO® sheet piles are lighter than regular sheet piles.
- Virtually no lock friction during insertion.
- Great freedom of choice in pile shapes and dimensions.
- Create an angle without loose corner sections.
- The locks are ideally suited for water inhibiting products.
- Larger working Width = fewer locks in the wall.
- Less steel = lower Weight per m2 and less CO2 emissions.
- Also suitable for small batches.
- Fast delivery times.

Meever & Meever Optimizes the Standard

Our IBO® profiles are developed by certified engineers whereby your requirements are the basis. We will develop the most advantageously profile with the required Moment of Inertia and Section Modulus. Your requirements regarding steelgrade, thickness, width and height will be considered in this development. **On request you will receive a made-to-measure profile which is especially developed for your project.**

In the table on the right you will find a number of examples of possible savings.

The production of all our Cold-Formed Sheet Piling is in accordance with 10249 1 & 2, for which we are MPA NRW certified.



On request we can make the required Sheet Pile Cap.

| | thickness | profil | details | hot rolled sheet piles | weight advantage over hot rolled sheet piles |
|---|-----------|---------------|--|--------------------------|--|
| GU 6N Wy 625 cm³/m ly 9.670 cm⁴/m 69,9 kg/m² | 5 mm | IBO® - 708-5 | Wy 708 cm³/m ly 11.413 cm⁴/m 51,3 kg/m² | GU 6N | - 27% |
| | 6 mm | IBO® - 744-6 | Wy 744 cm³/m ly 11.138 cm⁴/m 58,9 kg/m² | GU 6N | - 16% |
| | 7 mm | IBO® - 741-7 | Wy 741 cm³/m ly 9.692 cm⁴/m 67,9 kg/m² | GU 6N | - 3% |
| Larssen 601 Wy 745 cm³/m ly 11.520 cm⁴/m 78,0 kg/m² | 5 mm | IBO® - 781-5 | Wy 781 cm³/m ly 14.118 cm⁴/m 54,1 kg/m² | Larssen 601 GU 75 | - 30% - 30% |
| | 6 mm | IBO® - 788-6 | Wy 788 cm³/m ly 13.009 cm⁴/m 62,6 kg/m² | Larssen 601 GU 75 | - 19% - 19% |
| | 7 mm | IBO® - 797-7 | Wy 797 cm³/m ly 11.192 cm⁴/m 70,7 kg/m² | Larssen 601 GU 75 | - 8% - 8% |
| Larssen 602 Wy 830 cm³/m ly 12.870 cm⁴/m 89,0 kg/m² | 5 mm | IBO® - 867-5 | Wy 867 cm³/m ly 17.804 cm⁴/m 53,6 kg/m² | Larssen 602 GU 85 | - 40% - 37% |
| | 6 mm | IBO® - 835-6 | Wy 835 cm³/m ly 13.721 cm⁴/m 63,4 kg/m² | Larssen 602 GU 85 | - 29% - 25% |
| | 7 mm | IBO® - 846-7 | Wy 846 cm³/m ly 12.240 cm⁴/m 71,8 kg/m² | Larssen 602 GU 85 | - 19% - 15% |
| Larssen 603 Wy 1.200 cm³/m ly 18.600 cm⁴/m 108,0 kg/m² | 6 mm | IBO® - 1245-6 | Wy 1.245 cm³/m ly 26.474 cm⁴/m 70,9 kg/m² | Larssen 603 AZ 12-770 | - 34% - 25% |
| | 7 mm | IBO® - 1245-7 | Wy 1.245 cm³/m ly 24.688 cm⁴/m 78,0 kg/m² | Larssen 603 AZ 12-770 | - 27,8% - 17,3% |
| | 8 mm | IBO® - 1310-8 | Wy 1.310 cm³/m ly 23.620 cm⁴/m 87,1 kg/m² | Larssen 603 AZ 12-770 | - 19% - 8% |
| Larssen 604 Wy 1.616 cm³/m ly 30.400 cm⁴/m 123,0 kg/m² | 8 mm | IBO® - 1616-8 | Wy 1.616 cm³/m ly 34.434 cm⁴/m 94,8 kg/m² | Larssen 604 | - 23% |
| | 9 mm | IBO® - 1757-9 | Wy 1.757 cm³/m ly 37.667 cm⁴/m 106,5 kg/m² | Larssen 604 | - 13% |
| AZ 18-700 Wy 1.800 cm³/m ly 37.800 cm⁴/m 109,3 kg/m² | 8 mm | IBO® - 1805-8 | Wy 1.805 cm³/m ly 40.772 cm⁴/m 100,2 kg/m² | AZ 18-700 | - 8,3% |
| | 8 mm | VKZ' - 1850-8 | Wy 1.850 cm³/m ly 44.850 cm⁴/m 95,6 kg/m² | AZ 18-700 | - 21,5% |

| Meever | Profile | Wy | ly | Width | Height | Thick-ness | Weight | | Coating Area |
|--------|-----------|-------|--------|-------|--------|------------|--------|-------|--------------|
| | | cm³/m | cm⁴/m | (mm) | (mm) | | kg/m³ | kg/m² | |
| | IBO 243-4 | 243 | 1.852 | 1.293 | 150 | 4 | 47,1 | 36,4 | 2,01 |
| | IBO 415-4 | 415 | 5.215 | 1.178 | 250 | 4 | 47,1 | 40,0 | 2,21 |
| | IBO 420-4 | 420 | 5.465 | 1.499 | 260 | 4 | 56,5 | 37,7 | 2,13 |
| | IBO 619-4 | 619 | 10.926 | 1.540 | 350 | 4 | 62,8 | 40,8 | 2,34 |
| | IBO 179-5 | 179 | 838 | 803 | 90 | 5 | 39,3 | 48,9 | 1,99 |
| | IBO 238-5 | 238 | 1.378 | 1.297 | 115 | 5 | 58,9 | 45,4 | 2,00 |
| | IBO 392-5 | 392 | 3.933 | 985 | 200 | 5 | 49,1 | 49,8 | 2,13 |
| | IBO 400-5 | 400 | 4.095 | 1.236 | 200 | 5 | 58,9 | 47,6 | 2,10 |
| | IBO 450-5 | 450 | 5.182 | 1.504 | 230 | 5 | 70,7 | 47,0 | 2,13 |
| | IBO 497-5 | 497 | 5.581 | 1.479 | 222 | 5 | 70,7 | 47,8 | 2,16 |
| | IBO 530-5 | 530 | 7.060 | 1.660 | 255 | 5 | 78,5 | 47,3 | 2,17 |
| | IBO 577-5 | 577 | 8.708 | 1.462 | 300 | 5 | 70,7 | 48,3 | 2,19 |
| | IBO 619-5 | 619 | 9.747 | 1.643 | 300 | 5 | 78,5 | 47,8 | 2,19 |
| | IBO 708-5 | 708 | 11.413 | 1.558 | 315 | 5 | 78,5 | 50,4 | 2,31 |



| Meever | Profile | Wy | ly | Width (mm) | Height (mm) | Thick- ness (mm) | Weight | | Coating Area m ² /m ² |
|--------|--------------|--------------------|--------------------|---------------|----------------|------------------------|-------------------|-------------------|--|
| | | cm ³ /m | cm ³ /m | | | | kg/m ¹ | kg/m ² | |
| | IBO 772-5 | 772 | 12.829 | 1.513 | 330 | 5 | 78,5 | 51,9 | 2,38 |
| | IBO 781-5 | 781 | 14.118 | 1.330 | 360 | 5 | 70,7 | 53,1 | 2,41 |
| | IBO 782-5 | 782 | 12.702 | 1.301 | 325 | 5 | 70,7 | 54,3 | 2,46 |
| | IBO 867-5 | 867 | 17.804 | 1.492 | 410 | 5 | 78,5 | 52,6 | 2,41 |
| | IBO 949-5 | 949 | 21.511 | 1.430 | 450 | 5 | 78,5 | 54,9 | 2,52 |
| | IBO 361-6 | 361 | 2.724 | 1.267 | 150 | 6 | 70,7 | 55,8 | 2,05 |
| | IBO 415-6 | 415 | 3.438 | 1.240 | 165 | 6 | 70,7 | 57,0 | 2,10 |
| | IBO 480-6 | 480 | 4.657 | 1.535 | 196 | 6 | 84,8 | 55,2 | 2,08 |
| | IBO 537-6 | 537 | 6.142 | 1.719 | 226 | 6 | 94,2 | 54,8 | 2,09 |
| | IBO 616-6 | 616 | 7.897 | 1.477 | 255 | 6 | 84,8 | 57,4 | 2,17 |
| | IBO 621-6 | 621 | 7.796 | 1.157 | 250 | 6 | 70,7 | 61,1 | 2,25 |
| | IBO 728-6 | 728 | 10.068 | 1.406 | 272 | 6 | 84,8 | 60,3 | 2,28 |
| | IBO 744-6 | 744 | 11.138 | 1.629 | 300 | 6 | 94,2 | 57,8 | 2,21 |
| | IBO 788-6 | 788 | 13.009 | 1.380 | 320 | 6 | 84,8 | 61,4 | 2,32 |
| | IBO 815-6 | 815 | 13.548 | 1.591 | 330 | 6 | 94,2 | 59,2 | 2,26 |
| | IBO 895-6 | 895 | 14.586 | 1.529 | 325 | 6 | 94,2 | 61,6 | 2,35 |
| | IBO 973-6 | 973 | 17.715 | 1.494 | 360 | 6 | 94,2 | 63,1 | 2,41 |
| | IBO 1149-6 | 1.149 | 25.564 | 1.380 | 425 | 6 | 94,2 | 68,3 | 2,61 |
| | IBO 1245-6 | 1.245 | 26.474 | 1.354 | 425 | 6 | 94,2 | 69,6 | 2,66 |
| | IBO 1552-6 | 1552 | 38.867 | 1.205 | 500 | 6 | 94,2 | 78,2 | 2,99 |
| | IBO 741-7 | 741 | 9.692 | 1.633 | 260 | 7 | 109,9 | 67,3 | 2,20 |
| | IBO 797-7 | 797 | 11.192 | 1.425 | 280 | 7 | 98,9 | 69,4 | 2,25 |
| | IBO 1245-7 | 1.245 | 24.688 | 1.436 | 395 | 7 | 109,9 | 76,5 | 2,51 |
| | IBO 1267-7 | 1.267 | 26.224 | 1.426 | 408 | 7 | 109,9 | 77,1 | 2,52 |
| | IBO 1292-7 | 1.292 | 25.404 | 1.200 | 390 | 7 | 98,9 | 82,4 | 2,67 |
| | IBO 1319-7 | 1.319 | 26.413 | 1.400 | 400 | 7 | 109,9 | 78,5 | 2,57 |
| | IBO 1349-7 | 1.349 | 32.009 | 1.308 | 436 | 7 | 109,9 | 84,0 | 2,75 |
| | IBO 1350-7 | 1.350 | 27.360 | 1.385 | 405 | 7 | 109,9 | 79,4 | 2,60 |
| | IBO 1438-7 | 1.438 | 30.932 | 1.351 | 430 | 7 | 109,9 | 81,3 | 2,66 |
| | IBO 1535-7 | 1.535 | 34.645 | 1.305 | 450 | 7 | 109,9 | 84,2 | 2,76 |
| | IBO 1770-7 | 1.775 | 46.721 | 1.214 | 525 | 7 | 109,9 | 90,5 | 2,97 |
| | IBO 1207-8 | 1.207 | 19.666 | 1.471 | 320 | 8 | 125,6 | 85,4 | 2,45 |
| | IBO 1208-8 | 1.208 | 19.696 | 1.271 | 320 | 8 | 113,0 | 88,9 | 2,52 |
| | IBO 1214-8 | 1.214 | 21.248 | 1.515 | 350 | 8 | 125,6 | 82,9 | 2,38 |
| | IBO 1217-8 | 1.217 | 19.814 | 1.489 | 325 | 8 | 125,6 | 84,4 | 2,42 |
| | IBO 1245-8 | 1.245 | 19.167 | 712 | 305 | 8 | 78,5 | 110,3 | 2,95 |
| | IBO 1310-8 | 1.310 | 23.620 | 1.470 | 360 | 8 | 125,6 | 85,4 | 2,45 |
| | IBO 1451-8 | 1.451 | 28.495 | 1.410 | 391 | 8 | 125,6 | 89,1 | 2,55 |
| | IBO 1455-8 | 1.455 | 27.662 | 1.202 | 380 | 8 | 113,0 | 94,0 | 2,66 |
| | IBO 1743-8 | 1.743 | 40.134 | 1.309 | 460 | 8 | 125,6 | 96,0 | 2,75 |
| | IBO 1805-8 | 1.805 | 40.772 | 1.278 | 450 | 8 | 125,6 | 98,3 | 2,82 |
| | IBO 2023-8 | 2.023 | 50.619 | 1.206 | 500 | 8 | 125,6 | 104,1 | 2,99 |
| | IBO 1060-8,5 | 1.060 | 16.066 | 1.584 | 300 | 8,5 | 133,5 | 84,2 | 2,27 |
| | IBO 1255-8,5 | 1.255 | 21.525 | 1.514 | 342 | 8,5 | 133,5 | 88,1 | 2,38 |
| | IBO 1759-8,5 | 1.759 | 39.015 | 1.334 | 440 | 8,5 | 133,5 | 100,0 | 2,70 |
| | IBO 1866-8,5 | 1.866 | 42.034 | 1.294 | 450 | 8,5 | 133,5 | 103,1 | 2,78 |
| | IBO 1225-9 | 1.225 | 19.303 | 1.338 | 315 | 9 | 127,2 | 95,0 | 2,39 |
| | IBO 1265-9 | 1.265 | 21.870 | 1.540 | 345 | 9 | 141,3 | 91,8 | 2,34 |
| | IBO 1307-9 | 1.307 | 23.582 | 1.528 | 360 | 9 | 141,3 | 92,5 | 2,36 |
| | IBO 1757-9 | 1.757 | 37.667 | 1.352 | 420 | 9 | 141,3 | 104,5 | 2,66 |
| | IBO 1814-9 | 1.814 | 38.577 | 1.346 | 425 | 9 | 141,3 | 105,0 | 2,67 |
| | IBO 1295-10 | 1.295 | 19.777 | 1.537 | 300 | 10 | 157,0 | 102,1 | 2,34 |
| | IBO 2032-10 | 2.032 | 44.717 | 1.340 | 440 | 10 | 157,0 | 117,2 | 2,69 |
| | IBO 2158-10 | 2.158 | 50.269 | 1.298 | 465 | 10 | 157,0 | 121,0 | 2,77 |
| | IBO 2825-10 | 2.825 | 79.494 | 1.113 | 560 | 10 | 157,0 | 141,1 | 3,23 |





Cold Formed Profiles



| Meever | Profile | Wy | ly | Width | Height | Thick-ness | Weight | | Coating Area |
|--------|-------------|--------------------|--------------------|-------|--------|------------|-------------------|-------------------|--------------|
| | | cm ³ /m | cm ⁴ /m | | | | kg/m ¹ | kg/m ² | |
| | VKZ 471-5 | 471 | 5.421 | 810 | 230 | 5 | 39,3 | 48,5 | 1,98 |
| | VKZ 617-5 | 617 | 9.098 | 670 | 295 | 5 | 35,3 | 52,7 | 2,09 |
| | VKZ 644-5 | 644 | 9.785 | 767 | 304 | 5 | 39,3 | 51,2 | 2,09 |
| | VKZ 784-5 | 784 | 13.136 | 722 | 335 | 5 | 39,3 | 54,4 | 2,22 |
| | VKZ 965-5 | 965 | 20.516 | 676 | 425 | 5 | 39,3 | 58,1 | 2,37 |
| | VKZ 699-6 | 699 | 9.611 | 765 | 275 | 6 | 47,1 | 61,6 | 2,09 |
| | VKZ 783-6 | 783 | 11.939 | 749 | 305 | 6 | 47,1 | 62,9 | 2,19 |
| | VKZ 878-6 | 878 | 14.265 | 725 | 325 | 6 | 47,1 | 65,0 | 2,21 |
| | VKZ 1153-6 | 1.153 | 21.741 | 656 | 377 | 6 | 47,1 | 71,8 | 2,44 |
| | VKZ 1167-6 | 1.167 | 23.626 | 659 | 405 | 6 | 47,1 | 71,5 | 2,43 |
| | VKZ 1246-6 | 1.246 | 29.281 | 903 | 470 | 6 | 58,9 | 65,2 | 2,33 |
| | VKZ 491-7 | 491 | 4.293 | 794 | 175 | 7 | 55,0 | 69,2 | 2,02 |
| | VKZ 532-7 | 532 | 4.923 | 788 | 185 | 7 | 55,0 | 69,7 | 2,03 |
| | VKZ 846-7 | 846 | 11.628 | 738 | 275 | 7 | 55,0 | 74,5 | 2,17 |
| | VKZ 921-7 | 921 | 14.095 | 728 | 306 | 7 | 55,0 | 75,5 | 2,20 |
| | VKZ 1078-7 | 1.078 | 17.790 | 695 | 330 | 7 | 55,0 | 79,1 | 2,30 |
| | VKZ 1257-7 | 1.257 | 24.517 | 665 | 390 | 7 | 55,0 | 82,6 | 2,41 |
| | VKZ 1330-7 | 1.330 | 25.130 | 645 | 378 | 7 | 55,0 | 85,2 | 2,48 |
| | VKZ 1201-8 | 1.201 | 19.820 | 685 | 330 | 8 | 62,8 | 91,7 | 2,34 |
| | VKZ 1227-8 | 1.227 | 20.865 | 684 | 335 | 8 | 62,8 | 91,8 | 2,34 |
| | VKZ 1257-8 | 1.257 | 22.000 | 679 | 350 | 8 | 62,8 | 92,5 | 2,36 |
| | VKZ 1481-8 | 1.481 | 28.008 | 640 | 378 | 8 | 62,8 | 98,1 | 2,50 |
| | VKZ 1850-8 | 1.850 | 44.850 | 836 | 485 | 8 | 78,5 | 93,9 | 2,51 |
| | VKZ 1244-9 | 1.244 | 19.527 | 700 | 314 | 9 | 70,7 | 100,9 | 2,29 |
| | VKZ 1307-9 | 1.307 | 20.908 | 686 | 320 | 9 | 70,7 | 103,0 | 2,33 |
| | VKZ 1684-9 | 1.684 | 31.568 | 630 | 375 | 9 | 70,7 | 112,1 | 2,59 |
| | VKZ 1735-9 | 1.735 | 34.270 | 628 | 395 | 9 | 70,7 | 112,5 | 2,55 |
| | VKZ 1771-9 | 1.771 | 39.857 | 882 | 450 | 9 | 88,3 | 100,1 | 2,38 |
| | VKZ 1832-9 | 1.832 | 41.228 | 871 | 450 | 9 | 88,3 | 101,4 | 2,41 |
| | VKZ 1349-10 | 1.349 | 20.569 | 683 | 305 | 10 | 78,5 | 114,9 | 2,39 |
| | VKZ 1404-10 | 1.404 | 22.468 | 678 | 320 | 10 | 78,5 | 115,8 | 2,36 |
| | VKZ 1720-10 | 1.720 | 30.964 | 637 | 360 | 10 | 78,5 | 123,2 | 2,51 |
| | VKZ 1929-10 | 1.929 | 36.648 | 608 | 380 | 10 | 78,5 | 129,1 | 2,63 |
| | VKZ 2048-10 | 2.048 | 44.537 | 851 | 435 | 10 | 100,0 | 117,5 | 2,42 |
| | VKZ 2354-10 | 2.354 | 55.898 | 808 | 475 | 10 | 98,1 | 121,4 | 2,60 |
| | VKZ 2468-10 | 2.468 | 61.702 | 795 | 500 | 10 | 98,1 | 123,4 | 2,64 |
| | VKZ 2628-10 | 2.628 | 70.289 | 776 | 535 | 10 | 98,1 | 126,4 | 2,71 |
| | VKZ 3082-10 | 3.082 | 88.594 | 716 | 575 | 10 | 98,1 | 137,0 | 2,93 |

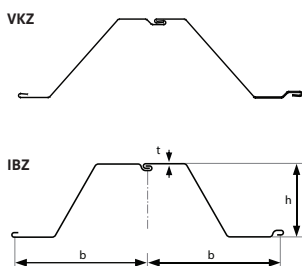
Alternatives for AZ-Profiles:

| | | | | | | | | |
|-----|--------|-------|---------|-----|-----|------|-------|-------|
| IBZ | 5-850 | 656 | 11.160 | 850 | 340 | 5,0 | 42,8 | 50,4 |
| IBZ | 6-800 | 638 | 9.505 | 800 | 300 | 6,0 | 48,5 | 62,0 |
| IBZ | 7-850 | 714 | 12.034 | 850 | 340 | 6,0 | 51,3 | 60,6 |
| IBZ | 7-725 | 730 | 10.727 | 725 | 300 | 6,0 | 45,0 | 60,4 |
| IBZ | 8-725 | 846 | 11.540 | 725 | 271 | 7,0 | 52,0 | 71,7 |
| IBZ | 12-770 | 1.245 | 21.430 | 770 | 344 | 8,5 | 72,6 | 94,0 |
| IBZ | 12-850 | 1.205 | 24.651 | 850 | 420 | 7,0 | 64,3 | 75,3 |
| IBZ | 13-770 | 1.300 | 22.360 | 770 | 344 | 9,0 | 76,1 | 99,0 |
| IBZ | 13-850 | 1.318 | 26.360 | 850 | 400 | 8,0 | 73,1 | 86,0 |
| IBZ | 14-770 | 1.355 | 23.300 | 770 | 345 | 9,5 | 79,5 | 103,0 |
| IBZ | 17-700 | 1.730 | 36.330 | 700 | 420 | 8,5 | 73,1 | 104,4 |
| IBZ | 18-700 | 1.800 | 37.800 | 700 | 420 | 9,0 | 76,5 | 109,0 |
| IBZ | 18-850 | 1.805 | 43.335 | 850 | 480 | 9,0 | 85,9 | 101,1 |
| IBZ | 19-750 | 1.944 | 44.718 | 750 | 460 | 9,0 | 80,9 | 107,8 |
| IBZ | 20-700 | 1.945 | 40.950 | 700 | 421 | 10,0 | 83,3 | 119,0 |
| IBZ | 20-850 | 2.000 | 46.862 | 850 | 470 | 10,0 | 96,0 | 112,9 |
| IBZ | 24-700 | 2.430 | 55.768 | 700 | 459 | 11,2 | 95,7 | 136,7 |
| IBZ | 26-700 | 2.600 | 59.800 | 700 | 460 | 12,2 | 102,9 | 147,0 |
| IBZ | 28-700 | 2.760 | 63.620 | 700 | 440 | 13,2 | 110,0 | 157,0 |
| IBZ | 28-725 | 2.800 | 75.965 | 725 | 550 | 10,0 | 94,9 | 130,9 |
| IBZ | 33-700 | 3.285 | 82.929 | 700 | 500 | 12,0 | 114,1 | 163,0 |
| IBZ | 36-700 | 3.600 | 89.668 | 700 | 520 | 12,5 | 118,6 | 169,4 |
| IBZ | 37-700 | 3.710 | 92.415 | 700 | 499 | 12,5 | 124,5 | 177,8 |
| IBZ | 39-700 | 3.905 | 97.500 | 700 | 560 | 13,5 | 133,0 | 190,0 |
| IBZ | 42-750 | 4.231 | 116.350 | 750 | 550 | 13,0 | 141,6 | 188,8 |
| IBZ | 46-580 | 4.600 | 110.465 | 580 | 540 | 15,0 | 133,0 | 229,0 |
| IBZ | 48-750 | 4.805 | 124.921 | 750 | 520 | 15,0 | 172,4 | 229,8 |
| IBZ | 50-580 | 5.020 | 121.070 | 580 | 580 | 16,0 | 146,8 | 253,0 |

Manufactured in accordance with:
 Technical delivery conditions in accordance with EN 10249-1. Tolerances in accordance with EN 10249-2.

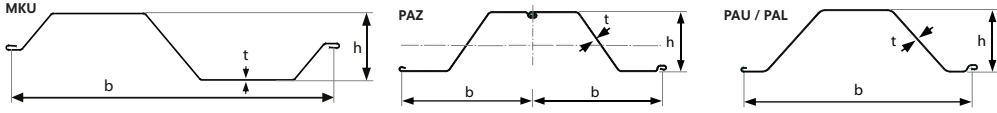
Steel qualities:
 S235, S275, S355 or Equivalent with 3.1 Certificate in accordance with EN 10204.

Standard availability:
 Lengths up to 24.000 mm, longer lengths on request.





| Profile | Wy | ly | Width | Height | Thick-ness | Weight | | Coating Area |
|------------|--------------------|--------------------|-------|--------|------------|-------------------|-------------------|--------------------------------|
| | cm ³ /m | cm ⁴ /m | mm | mm | mm | kg/m ¹ | kg/m ² | m ² /m ² |
| MKU 130-3 | 130 | 778 | 795 | 120 | 3,0 | 24,0 | 30,2 | 2,31 |
| MKU 520-8 | 520 | 4.811 | 1.170 | 185 | 8,0 | 96,0 | 82,1 | 2,39 |
| MKU 940-8 | 940 | 15.291 | 1.531 | 325 | 8,0 | 128,0 | 83,6 | 2,48 |
| MKU 1202-8 | 1.202 | 26.457 | 1.401 | 440 | 8,0 | 128,0 | 91,4 | 2,71 |



Meever only sells ArcelorMittal sheet piles that she has bought as remnants from other projects.

| Profile | Wy | ly | Width | Height | Thick-ness | Weight | | Coating Area |
|-----------|--------------------|--------------------|-------|--------|------------|-------------------|-------------------|--------------------------------|
| | cm ³ /m | cm ⁴ /m | mm | mm | mm | kg/m ¹ | kg/m ² | m ² /m ² |
| PAZ 4350 | 448 | 4.770 | 770 | 213 | 5,0 | 38,2 | 49,6 | 2,30 |
| PAZ 4360 | 534 | 5.720 | 770 | 214 | 6,0 | 45,8 | 59,4 | 2,30 |
| PAZ 4370 | 619 | 6.660 | 770 | 215 | 7,0 | 53,3 | 69,2 | 2,30 |
| PAZ 4450 | 612 | 8.240 | 725 | 269 | 5,0 | 37,7 | 52,0 | 2,36 |
| PAZ 4460 | 730 | 9.890 | 725 | 270 | 6,0 | 45,1 | 62,2 | 2,36 |
| PAZ 4470 | 846 | 11.535 | 725 | 271 | 7,0 | 52,4 | 72,3 | 2,36 |
| PAZ 4550 | 772 | 12.065 | 676 | 312 | 5,0 | 37,7 | 55,8 | 2,62 |
| PAZ 4560 | 922 | 14.444 | 676 | 313 | 6,0 | 45,1 | 66,7 | 2,62 |
| PAZ 4570 | 1.069 | 16.815 | 676 | 314 | 7,0 | 52,4 | 77,5 | 2,62 |
| PAZ 4650 | 940 | 16.318 | 621 | 347 | 5,0 | 37,7 | 60,7 | 2,86 |
| PAZ 4660 | 1.122 | 19.544 | 621 | 348 | 6,0 | 45,1 | 72,6 | 2,86 |
| PAZ 4670 | 1.302 | 22.756 | 621 | 349 | 7,0 | 52,4 | 84,4 | 2,86 |
| PAZ 5360 | 766 | 11.502 | 857 | 300 | 6,0 | 54,3 | 63,3 | 2,54 |
| PAZ 5370 | 888 | 13.376 | 857 | 301 | 7,0 | 63,2 | 73,7 | 2,54 |
| PAZ 5380 | 1.009 | 15.249 | 857 | 302 | 8,0 | 72,1 | 84,0 | 2,54 |
| PAZ 5390 | 1.131 | 17.123 | 857 | 303 | 9,0 | 81,0 | 94,4 | 2,54 |
| PAZ 5460 | 968 | 16.989 | 807 | 351 | 6,0 | 53,9 | 66,8 | 2,54 |
| PAZ 5470 | 1.123 | 19.774 | 807 | 352 | 7,0 | 62,6 | 77,6 | 2,54 |
| PAZ 5480 | 1.277 | 22.546 | 807 | 353 | 8,0 | 71,4 | 88,4 | 2,54 |
| PAZ 5490 | 1.431 | 25.318 | 807 | 354 | 9,0 | 80,2 | 99,3 | 2,54 |
| PAZ 54100 | 1.570 | 27.850 | 808 | 355 | 10,0 | 89,2 | 110,3 | 2,54 |
| PAZ 5560 | 1.233 | 25.074 | 743 | 407 | 6,0 | 53,9 | 72,5 | 2,76 |
| PAZ 5570 | 1.432 | 29.179 | 743 | 408 | 7,0 | 62,6 | 84,3 | 2,76 |
| PAZ 5580 | 1.628 | 33.263 | 744 | 409 | 8,0 | 71,4 | 96,0 | 2,76 |
| PAZ 5590 | 1.825 | 37.387 | 744 | 410 | 9,0 | 80,2 | 107,8 | 2,76 |
| PAZ 55100 | 2.000 | 41.060 | 745 | 411 | 10,0 | 89,2 | 119,8 | 2,76 |
| PAZ 5660 | 1.525 | 34.340 | 671 | 451 | 6,0 | 53,9 | 80,3 | 2,76 |
| PAZ 5670 | 1.770 | 39.954 | 671 | 452 | 7,0 | 62,6 | 93,3 | 3,06 |
| PAZ 5680 | 2.013 | 45.537 | 672 | 453 | 8,0 | 71,4 | 106,3 | 3,06 |
| PAZ 5690 | 2.259 | 51.180 | 672 | 454 | 9,0 | 80,2 | 119,3 | 3,06 |
| PAZ 56100 | 2.470 | 56.200 | 673 | 455 | 10,0 | 89,2 | 132,2 | 3,06 |
| PAL 3030 | 112 | 500 | 660 | 89 | 3,0 | 19,4 | 29,4 | 2,42 |
| PAL 3040 | 147 | 666 | 660 | 90 | 4,0 | 25,8 | 39,2 | 2,42 |
| PAL 3050 | 181 | 831 | 660 | 91 | 5,0 | 32,2 | 48,8 | 2,42 |
| PAL 3130 | 199 | 1.244 | 711 | 125 | 3,0 | 23,5 | 33,1 | 2,72 |
| PAL 3140 | 261 | 1.655 | 711 | 126 | 4,0 | 31,3 | 44,0 | 2,72 |
| PAL 3150 | 322 | 2.063 | 711 | 127 | 5,0 | 39,0 | 54,9 | 2,72 |
| PAL 3260 | 413 | 3.096 | 700 | 149 | 6,0 | 46,2 | 66,0 | 2,62 |
| PAL 3270 | 479 | 3.604 | 700 | 150 | 7,0 | 53,2 | 76,0 | 2,62 |
| PAL 3280 | 545 | 4.109 | 700 | 151 | 8,0 | 61,6 | 88,0 | 2,62 |
| PAL 3290 | 605 | 4.611 | 700 | 152 | 9,0 | 70,0 | 100,0 | 2,62 |
| PAU 2240 | 404 | 5.101 | 922 | 252 | 4,0 | 39,0 | 42,3 | 2,64 |
| PAU 2250 | 504 | 6.363 | 921 | 253 | 5,0 | 48,7 | 52,8 | 2,64 |
| PAU 2260 | 600 | 7.620 | 921 | 254 | 6,0 | 58,3 | 63,3 | 2,64 |
| PAU 2440 | 537 | 7.897 | 813 | 293 | 4,0 | 39,0 | 48,0 | 3,00 |
| PAU 2450 | 669 | 9.858 | 813 | 294 | 5,0 | 48,7 | 59,9 | 3,00 |
| PAU 2460 | 801 | 11.813 | 813 | 295 | 6,0 | 58,3 | 71,8 | 3,00 |
| PAU 2760 | 803 | 12.059 | 804 | 295 | 6,0 | 60,4 | 75,1 | 2,88 |
| PAU 2770 | 934 | 14.030 | 804 | 296 | 7,0 | 70,4 | 87,5 | 2,88 |
| PAU 2780 | 1.063 | 15.995 | 804 | 297 | 8,0 | 80,3 | 99,8 | 2,88 |





Cold Formed Profiles

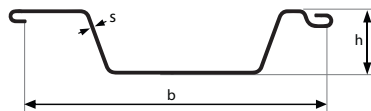


Rolled Profiles

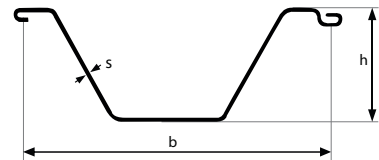
| Meever | Profile | Wy cm ³ /m | Ly cm ⁴ /m | Width mm | Height mm | Thickness mm | Weight kg/m | Weight kg/m ² |
|--------|---------|-----------------------|-----------------------|----------|-----------|--------------|-------------|--------------------------|
| | MKL 3-4 | 302 | 2.209 | 700 | 150 | 4,0 | 32,4 | 46,3 |
| | MKL 3-5 | 374 | 2.753 | 700 | 152 | 5,0 | 40,4 | 57,7 |
| | MKL 3-6 | 455 | 3.369 | 700 | 154 | 6,0 | 48,5 | 69,3 |
| | MKL 3-7 | 540 | 4.004 | 700 | 156 | 7,0 | 56,3 | 80,4 |
| | MKL 3-8 | 600 | 4.460 | 700 | 158 | 8,0 | 64,2 | 91,7 |
| | MKL 3-9 | 680 | 5.120 | 700 | 160 | 9,0 | 72,0 | 102,9 |

| Meever | Profile | Wy cm ³ /m | Ly cm ⁴ /m | Width mm | Height mm | Thickness mm | Weight kg/m | Weight kg/m ² |
|--------|---------|-----------------------|-----------------------|----------|-----------|--------------|-------------|--------------------------|
| | MKL 4-5 | 774 | 10.920 | 710 | 294 | 5,0 | 49,5 | 69,7 |
| | MKL 4-6 | 933 | 13.530 | 710 | 296 | 6,0 | 57,9 | 81,6 |
| | MKL 4-7 | 1.080 | 15.701 | 710 | 298 | 7,0 | 67,3 | 94,8 |
| | MKL 4-8 | 1.230 | 17.896 | 710 | 300 | 8,0 | 76,7 | 108,1 |
| | MKL 4-9 | 1.380 | 20.896 | 710 | 302 | 9,0 | 85,6 | 120,6 |

MKL 3



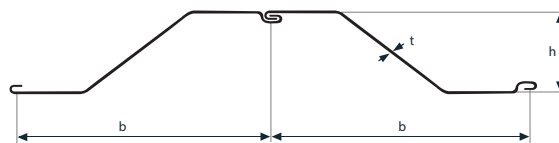
MKL 4



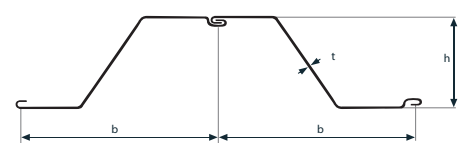
| Meever | Profile | Wy cm ³ /m | Ly cm ⁴ /m | Width mm | Height mm | Thickness mm | Weight kg/m | Weight kg/m ² | Coating Area m ² /m ² |
|--------|-----------|-----------------------|-----------------------|----------|-----------|--------------|-------------|--------------------------|---|
| | MKZ 785-5 | 605 | 8.395 | 785 | 276 | 5,0 | 41,9 | 53,4 | 2,52 |
| | MKZ 785-6 | 724 | 10.053 | 785 | 277 | 6,0 | 50,4 | 64,2 | 2,52 |
| | MKZ 785-7 | 836 | 11.657 | 785 | 278 | 7,0 | 58,4 | 74,4 | 2,52 |
| | MKZ 785-8 | 951 | 13.302 | 785 | 279 | 8,0 | 66,6 | 84,8 | 2,52 |
| | MKZ 785-9 | 1.067 | 14.944 | 785 | 280 | 9,0 | 74,8 | 95,3 | 2,52 |

| Meever | Profile | Wy cm ³ /m | Ly cm ⁴ /m | Width mm | Height mm | Thickness mm | Weight kg/m | Weight kg/m ² | Coating Area m ² /m ² |
|--------|-----------|-----------------------|-----------------------|----------|-----------|--------------|-------------|--------------------------|---|
| | MKZ 675-5 | 972 | 18.500 | 675 | 376 | 5,0 | 41,9 | 62,1 | 2,89 |
| | MKZ 675-6 | 1.164 | 22.131 | 675 | 377 | 6,0 | 50,4 | 74,7 | 2,89 |
| | MKZ 675-7 | 1.350 | 25.698 | 675 | 378 | 7,0 | 58,4 | 86,5 | 2,89 |
| | MKZ 675-8 | 1.540 | 29.332 | 675 | 379 | 8,0 | 66,6 | 98,7 | 2,89 |
| | MKZ 675-9 | 1.728 | 32.914 | 675 | 380 | 9,0 | 74,8 | 110,8 | 2,89 |

MKZ 785

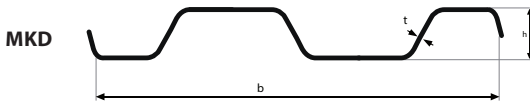


MKZ 675



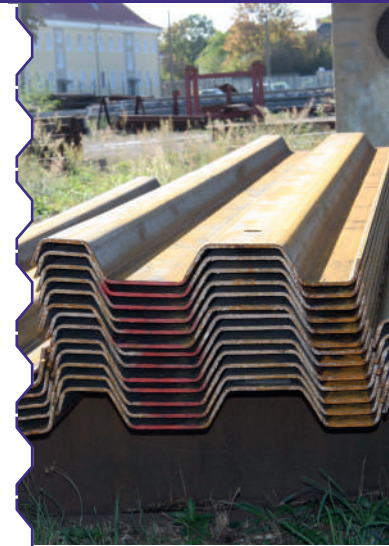
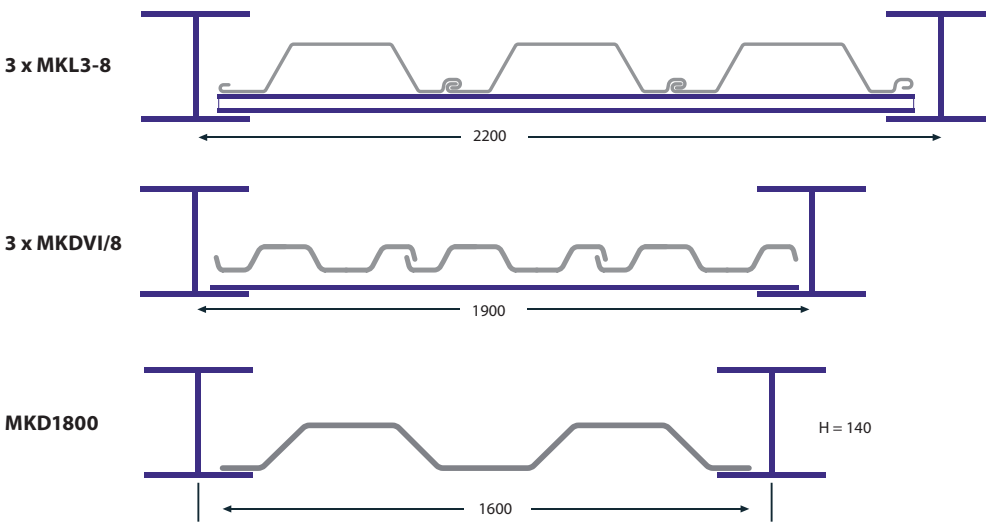
Trench Sheets

| Meever | Profile | Wy cm ³ /m | Ly cm ³ /m | Width mm | Height mm | Thickness mm | Weight kg/m | Weight kg/m ² |
|--------|----------|-----------------------|-----------------------|----------|-----------|--------------|-------------|--------------------------|
| | MKD VI/6 | 182 | 726 | 600 | 78 | 6,0 | 37,5 | 62,5 |
| | MKD VI/8 | 242 | 968 | 600 | 80 | 8,0 | 50,0 | 83,3 |



Our Own XXL Trench Sheets

| Meever | Profiel | Wy cm ³ /m | Ly cm ³ /m | Width mm | Height mm | Thickness mm | Weight kg/m | Weight kg/m ² |
|--------|----------|-----------------------|-----------------------|----------|-----------|--------------|-------------|--------------------------|
| | MKD 1500 | 381,7 | 2107,5 | 1350 | 110 | 10 | 120 | 88,9 |
| | MKD 1800 | 489,7 | 3492,3 | 1600 | 140 | 10 | 144 | 90,0 |
| | MKD 2000 | 540,0 | 4081,1 | 1784 | 150 | 10 | 160 | 89,7 |

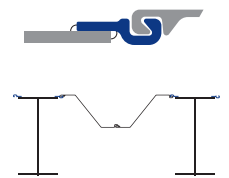
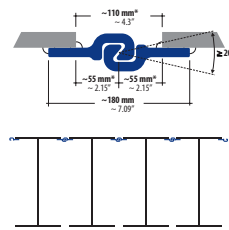
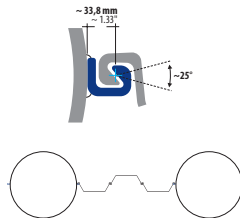
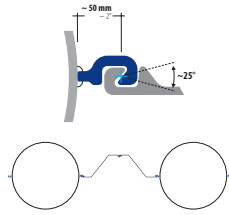
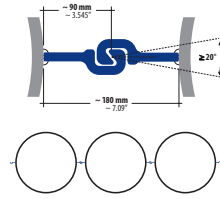
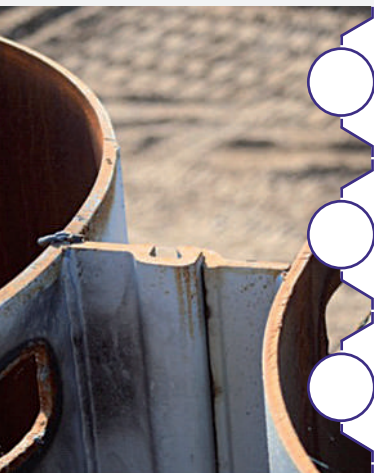




Combined Walls

A Combined Wall is a composite wall which can consist of Pipes & Sheet piling and Beams & Sheet piling. The Sheet piling can be a Z-profile or U-profile. In the case of Tubular Wall, Meever & Meever can supply various welding locks to realise the required centre-to-centre distance. By means of welding locks, the tubes/beams can be connected to the sheet piling. Various combinations are possible with tubes/beams and sheet piling. The tables show a number of possible Combination Wall configurations.

Every project has different requirements. Our structural engineers calculate the most cost-efficient Combi Wall solution for you, taking into account all aspects of you and your project.



Pipe Pile Wall

| Pipe Pile Diameter x WT | Connector 2 pcs | Section Modulus | Moment of Inertia | System Width | Weight Pipe | Weight Wall | Coating Both Sides* |
|-------------------------|-----------------|--------------------|--------------------|--------------|-------------|-------------------|---------------------|
| mm | per Pipe | cm ³ /m | cm ⁴ /m | mm | kg/m | kg/m ² | m ² /m |
| 914 x 12,7 | LPB 180 | 7.307 | 334.059 | 1.094 | 282,4 | 285,7 | 3,20 |
| 914 x 19,1 | LPB 180 | 10.733 | 490.701 | 1.094 | 420,6 | 411,9 | 3,20 |
| 1.067 x 19,1 | LPB 180 | 12.939 | 690.167 | 1.247 | 492,2 | 419,0 | 3,70 |
| 1.219 x 19,1 | LPB 180 | 15.161 | 924.237 | 1.399 | 563,8 | 424,5 | 4,20 |

| Pipe Pile Diameter x WT | Sheet Pile Double | System Width | Section Modulus | Moment of Inertia | Sheet Pile in % to Pipe Length | | | Coating Both Sides* |
|-------------------------|-------------------|--------------|--------------------|--------------------|--------------------------------|-------------------|-------------------|---------------------|
| | | | | | 100% | 80% | 60% | |
| mm | Z- Profile | mm | cm ³ /m | cm ⁴ /m | kg/m ² | kg/m ² | kg/m ² | m ² /m |
| 914,4 x 11,1 | ESZ 19-700 | 2.414,4 | 3.410 | 155.944 | 204,2 | 183,9 | 163,5 | 6,75 |
| 1.067 x 12,7 | ESZ 19-700 | 2.567,0 | 4.671 | 249.214 | 224,4 | 205,2 | 186,1 | 7,23 |
| 1.219 x 12,7 | ESZ 19-700 | 2.719,0 | 5.616 | 342.306 | 229,0 | 211,0 | 193,0 | 7,71 |
| 914,4 x 12,7 | ESZ 26-700 | 2.414,4 | 4.071 | 186.151 | 237,0 | 213,0 | 189,0 | 7,10 |
| 1.067 x 15,9 | ESZ 26-700 | 2.567,0 | 5.907 | 315.148 | 273,6 | 251,0 | 228,4 | 7,59 |
| 1.219 x 15,9 | ESZ 26-700 | 2.719,0 | 7.067 | 430.767 | 280,3 | 258,9 | 237,6 | 8,07 |

| Pipe Pile Diameter x WT | Sheet Pile Triple | System Width | Section Modulus | Moment of Inertia | Sheet Pile in % to Pipe Length | | | Coating Both Sides* |
|-------------------------|-------------------|--------------|--------------------|--------------------|--------------------------------|-------------------|-------------------|---------------------|
| | | | | | 100% | 80% | 60% | |
| mm | U- Profile | mm | cm ³ /m | cm ⁴ /m | kg/m ² | kg/m ² | kg/m ² | m ² /m |
| 914,4 x 11,1 | VL 603 | 2.782,0 | 2.781 | 127.144 | 165,7 | 150,4 | 135,0 | 7,68 |
| 1.067 x 12,7 | VL 603 | 2.934,8 | 3.942 | 210.331 | 185,3 | 170,8 | 156,3 | 8,16 |
| 1.219 x 12,7 | VL 603 | 3.086,6 | 4.829 | 294.359 | 191,7 | 177,8 | 164,0 | 8,64 |
| 914,4 x 12,7 | VL 605 | 2.782,0 | 3.431 | 156.805 | 197,6 | 178,4 | 159,2 | 8,23 |
| 1.067 x 15,9 | VL 605 | 2.934,8 | 5.088 | 271.455 | 231,6 | 213,4 | 195,2 | 8,71 |
| 1.219 x 15,9 | VL 605 | 3.086,6 | 6.162 | 375.573 | 239,5 | 222,3 | 204,9 | 9,19 |

King Pile Wall

| King Pile | Connector 2 pcs | Section Modulus | Moment of Inertia | System Width | System Height | System Weight | Coating Water Side* |
|-------------|-----------------|-----------------|-------------------|--------------|---------------|---------------|---------------------|
| | | | | | | | |
| IHZ 880M A | LPB 180 | 17.946 | 802.598 | 511,8 | 831,3 | 511,5 | 1,14 |
| IHZ 1080M A | LPB 180 | 27.530 | 1.574.399 | 507,8 | 1.075,3 | 637,3 | 1,14 |
| IHZ 1080M C | LPB 180 | 32.424 | 1.850.980 | 509,8 | 1.075,3 | 734,8 | 1,14 |
| IHZ 1180M C | LPB 180 | 36.632 | 2.103.276 | 512,8 | 1.075,4 | 824,3 | 1,14 |

| King Pile | Sheet Pile Double | System Width | Section Modulus | Moment of Inertia | Sheet Pile in % to Beam Length | | | Coating Water Side* |
|-------------|-------------------|--------------|--------------------|--------------------|--------------------------------|-------------------|-------------------|---------------------|
| | | | | | 100% | 80% | 60% | |
| | Z- Profile | mm | cm ³ /m | cm ⁴ /m | kg/m ² | kg/m ² | kg/m ² | m ² /m |
| IHZ 880M A | ESZ 19-700 | 1.911,8 | 5.668 | 243.727 | 221,5 | 204,6 | 187,7 | 3,10 |
| IHZ 1080M A | ESZ 19-700 | 1.907,8 | 8.000 | 447.986 | 254,4 | 237,4 | 220,5 | 3,10 |
| IHZ 1180M C | ESZ 19-700 | 1.912,8 | 10.600 | 593.647 | 306,0 | 289,1 | 272,1 | 3,10 |
| IHZ 880M A | ESZ 26-700 | 1.911,8 | 6.015 | 258.661 | 238,1 | 217,9 | 197,6 | 3,30 |
| IHZ 1080M A | ESZ 26-700 | 1.907,8 | 8.267 | 462.952 | 271,0 | 250,7 | 230,5 | 3,30 |
| IHZ 1180M C | ESZ 26-700 | 1.912,8 | 10.867 | 608.597 | 322,6 | 302,4 | 282,1 | 3,30 |

| King Pile | Sheet Pile Triple | System Width | Section Modulus | Moment of Inertia | Sheet Pile in % to Beam Length | | | Coating Water Side* |
|-------------|-------------------|--------------|--------------------|--------------------|--------------------------------|-------------------|-------------------|---------------------|
| | | | | | 100% | 80% | 60% | |
| | U- Profile | mm | cm ³ /m | cm ⁴ /m | kg/m ² | kg/m ² | kg/m ² | m ² /m |
| IHZ 880M A | VL 603 | 2.311,8 | 4.303 | 191.497 | 196,6 | 179,9 | 163,2 | 3,12 |
| IHZ 1080M A | VL 603 | 2.307,8 | 6.433 | 360.262 | 223,7 | 207,0 | 190,3 | 3,12 |
| IHZ 1180M C | VL 603 | 2.312,8 | 8.585 | 480.774 | 266,4 | 249,7 | 233,1 | 3,12 |
| IHZ 880M A | VL 605 | 2.311,8 | 4.677 | 208.128 | 219,7 | 198,4 | 177,1 | 3,12 |
| IHZ 1080M A | VL 605 | 2.307,8 | 6.730 | 376.922 | 246,9 | 225,6 | 204,2 | 3,12 |
| IHZ 1180M C | VL 605 | 2.312,8 | 8.882 | 497.420 | 289,6 | 268,2 | 246,9 | 3,12 |

*Excluding the interlock interior, per system width.

Meever & Meever has a solution in stock to fit every possible corner connection you might need. Meever is always happy to advise on tailor-made solutions and/or connections between different types of sheet piling sections. If you don't have the time or possibility to weld the corner sections to your sheet piling yourself, why not leave that to us? We would love to help you out in our services center.

| | | |
|--|--|---|
| <p>LV20n Larssen / Z</p> <p>13,8 kg/m</p> | <p>E-20 Larssen / Z</p> <p>15,38 kg/m</p> | <p>LVO n Larssen / Z</p> <p>13,91 kg/m</p> |
|--|--|---|

| | | |
|---------------------------------------|--|--|
| <p>Omega</p> <p>17,33 kg/m</p> | <p>LTn (VTS) Larssen / Z</p> <p>15,5 kg/m</p> | <p>LOTn (VT) Larssen / Z</p> <p>17,2 kg/m</p> |
|---------------------------------------|--|--|

| | | |
|--|--|---|
| <p>LV22 Larssen / Z</p> <p>8,4 kg/m</p> | <p>L8n / E22 Larssen / Z</p> <p>8,47 kg/m</p> | <p>E-21 Larssen / Z</p> <p>6,27 kg/m</p> |
|--|--|---|

| | | |
|--|--|--|
| <p>LPB180 Larssen / Z</p> <p>12,84 kg/m</p> | <p>IBL-1</p> <p>kg/m dependent on plate thickness</p> | <p>IBL-2</p> <p>kg/m dependent on plate thickness</p> |
|--|--|--|

Meever can even supply the sheet pile sections with the required angle for you, so they can be immediately placed and connected upon arrival. Variable lengths possible.

| | | |
|--------------------|-------------------|---|
| <p>IBO®</p> | <p>MKL</p> | <p>Welding and Corner Sections</p> |
|--------------------|-------------------|---|





Steel Tubes



Our steel tubular pipes are being used for countless ground, road and hydraulic engineering projects throughout Europe and beyond. We have a wide range of diameters and wall thicknesses in stock (seamless, longitudinally welded and spirally welded), which enables us to meet the wishes and requirements of the customer and to deliver quickly from stock. For example: outrigger constructions, pipelines, noise barriers or deeply founded flood defences.

Meever delivers steel pipes according to DIN, NEN or API. On request we can deliver every quality from stock or production including CE-marking. We deliver steel grades up to X80, S555 or L555. The pipes are usually provided with an EN10204/3.1 and/or 3.2 certificate or a material analysis 2.1 certificate. We have a wide range of pipes; new, second choice or used.

| Type | Diameter (mm) | Thickness (mm) |
|----------------------------|---------------|----------------|
| Seamless Tube | 21,3 - 725 | 2,5 - 150 |
| Longitudinally Welded Tube | 42,4 - 5.600* | 2,0 - 60* |
| Spirally Welded Tube | 219 - 3.048 | 3,5 - 30 |

* Larger diameters and/or thicknesses on request.

Optional

- Non-Destructive Testing (NDT)
 - o Ultrasonic Testing
 - o Magnetic Testing
 - o Radiographic Examination (X-Ray or Gamma Ray)
- Destructive Testing (DT)
 - o Tensile Test
 - o Chemical Analysis
 - o Impact Test
- Drilling head
- Bell Ends
- Footplates
- Various Welding Options (e.g. mooring post attributes)
- Coating/Galvanizing
- CE-marking



Seamless

Seamless tubes are mainly used for machine/equipment construction, petrochemical industry, shipbuilding, structural engineering, high pressure cylinders and automotive industry.

Seamless pipes are, as the word says, pipes that are produced without a weld/seam. This makes seamless pipes ideal for high pressure projects, and are therefore perfect for projects where high product demands are made. Meever has these pipes in stock, making quick delivery possible for any project worldwide.

A steel billet will be heated to high temperatures in an oven after which it is possible to create a cylindrical hollow. This hollow is produced using a rotary piercer and rollers.

Longitudinally Welded

Longitudinally welded pipes are welded along the length of the pipe and can be produced in two ways. Both forms of production provide their own advantages.

The first type of production is from a coil. The coil is rolled out and folded over the width into a round shape. Then the seam is welded and a "longitudinal seam" is created over the entire length. This is a continuous process until the coil is unwound and is common for standard diameters and thicknesses.

The second form of production is from a steel plate. This plate is rolled into a pipe shape whose specification exactly fits the customer's project. These pipes are also welded along the length of the pipe and for this reason also bear the name 'longitudinally welded'.

The pipe sections have got a limited length and therefore the elements are usually welded together by means of a round seam. This method is not limited in diameters and/or thicknesses and is therefore very suitable for projects which contain specific sizes, for example with thick-walled pipes.

Longitudinally welded pipes are used for applications like: piling, bored piles, mooring posts/fenders, bracing, piping.

Spirally Welded

Spirally welded pipes are pipes where the weld runs across the pipe as a spiral. A coil is rolled out and formed into a pipe-shaped spiral. It is then completely spirally welded. This is a continuous welding process until the coil is unwound. This is the ideal production form for larger tons of steel/ projects with long pipes and relatively thin wall thicknesses.

Spirally welded pipes are very suitable for combined wall constructions, outrigger pipes, pipes, mooring posts/fenders and guideways.

Combined Pipes

With a combined pipe, various pipes with different diameters and/or wall thicknesses are assembled into one pipe. Here, the demand for different strengths (Wx) and stiffnesses (Ix) can be met along the length of one pipe. This saves tons of steel where the Wx and Ix may be lower.

Combined pipes can be fabricated via all techniques (longitudinal seam, spiral, seamless).

These pipes are very suitable for heavy duty applications and are often seen in mooring posts or guideways, wind turbines, support structures/ foundations in the offshore industry.





Bollards

Meever & Meever supplies different types of bollards. Below you find our available bollard types.

Tricorn Bollards / Square Head Bollards

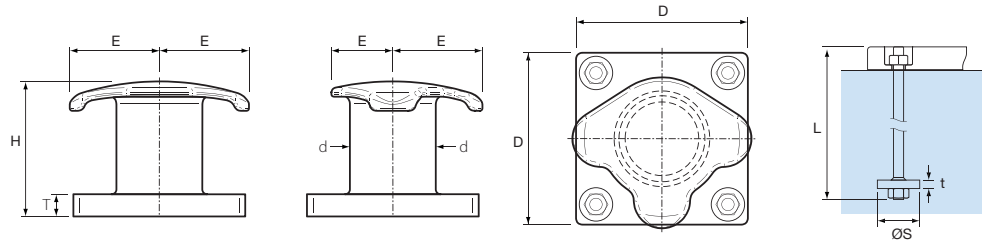
Surface & Flush Mounted

| Capacity | D | E | F | H | d | T | Bolts | A | B | L | ØS | t |
|----------|-----|-----|-----|-----|-----|----|-------|------|-----|------|-----|----|
| 300 kN | 480 | 200 | 140 | 380 | 200 | 50 | 4xM30 | 67,5 | 345 | 500 | 130 | 30 |
| 500 kN | 480 | 325 | 214 | 390 | 270 | 60 | 4xM36 | 67,5 | 345 | 600 | 150 | 35 |
| 600 kN | 480 | 325 | 214 | 390 | 270 | 60 | 4xM39 | 67,5 | 345 | 650 | 160 | 35 |
| 800 kN | 750 | 365 | 250 | 530 | 350 | 70 | 4xM48 | 85 | 580 | 720 | 170 | 50 |
| 1000 kN | 750 | 365 | 250 | 530 | 350 | 70 | 4xM52 | 85 | 580 | 800 | 190 | 50 |
| 1250 kN | 750 | 365 | 250 | 540 | 350 | 80 | 4xM60 | 85 | 580 | 920 | 220 | 50 |
| 1500 kN | 750 | 365 | 250 | 550 | 350 | 90 | 4xM64 | 85 | 580 | 1020 | 240 | 60 |

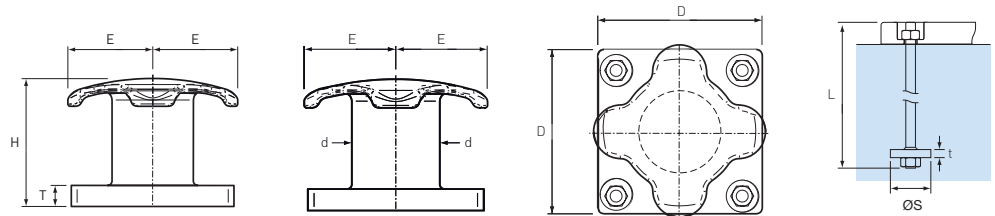
Flush Mounted

| Capacity | D | E | F | H | d | T | Bolts | A | B | L | ØS | t |
|----------|------|-----|-----|-----|-----|-----|-------|-----|-----|------|-----|----|
| 1750 kN | 900 | 450 | 325 | 575 | 500 | 90 | 4xM60 | 105 | 690 | 1050 | 250 | 60 |
| 2000 kN | 900 | 450 | 325 | 585 | 500 | 100 | 4xM60 | 105 | 690 | 1150 | 320 | 60 |
| 2500 kN | 900 | 450 | 325 | 595 | 500 | 120 | 4xM68 | 110 | 690 | 1300 | 320 | 70 |
| 2500 kN | 1100 | 450 | 325 | 595 | 500 | 135 | 4xM68 | 100 | 900 | 1300 | 320 | 70 |

Tricorn Bollards



Square Head Bollards



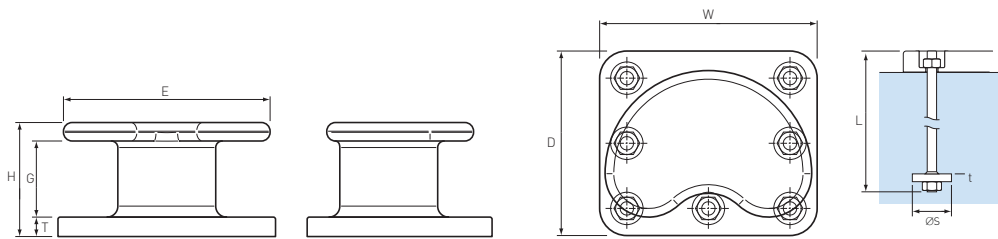
Tailoring is possible.

K-Head Bollards

| Capacity | W | D | E | H | G | T | Bolts | A | B | C | L | ØS | t |
|----------|------|-----|-----|-----|-----|----|-------|-----|-----|-----|------|-----|----|
| 150 kN | 320 | 320 | 320 | 300 | 230 | 40 | 4xM24 | 50 | 220 | - | 500 | 100 | 25 |
| 300 kN | 360 | 360 | 360 | 320 | 250 | 40 | 4xM30 | 50 | 260 | - | 500 | 110 | 30 |
| 500 kN | 640 | 540 | 500 | 370 | 280 | 50 | 4xM36 | 70 | 400 | - | 500 | 110 | 30 |
| 800 kN | 560 | 460 | 530 | 400 | 280 | 70 | 5xM42 | 70 | 210 | 320 | 800 | 150 | 30 |
| 1000 kN | 590 | 490 | 570 | 420 | 300 | 70 | 7xM42 | 70 | 225 | 175 | 800 | 150 | 30 |
| 1500 kN | 760 | 660 | 750 | 485 | 330 | 80 | 7xM48 | 80 | 300 | 250 | 1000 | 150 | 40 |
| 2000 kN | 1000 | 850 | 950 | 525 | 350 | 90 | 7xM56 | 125 | 375 | 300 | 1000 | 180 | 50 |



K-Head Bollards

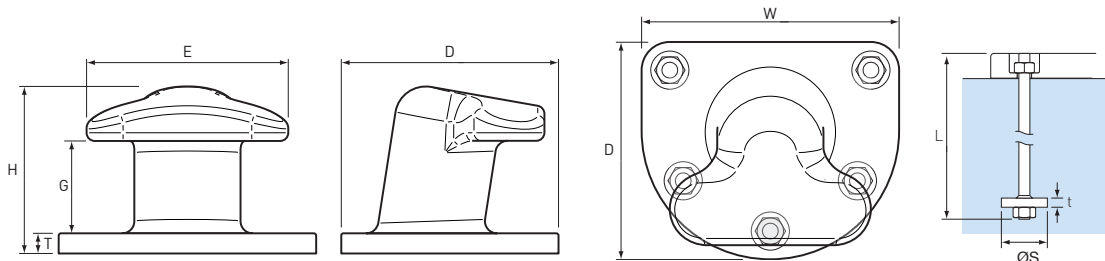


T-Head Bollards

| Capacity | W | D | E | H | G | T | Bolts | A | B | C | a ₁ | a ₂ | a ₃ | L | ØS | t |
|----------|------|-----|-----|-----|-----|-----|-------|-----|-----|-----|----------------|----------------|----------------|------|-----|----|
| 150 kN | 410 | 335 | 340 | 275 | 160 | 40 | 5xM24 | 50 | 310 | 80 | 30 | 60 | - | 500 | 100 | 25 |
| 300 kN | 450 | 375 | 350 | 295 | 180 | 40 | 5xM30 | 50 | 350 | 100 | 30 | 60 | - | 500 | 110 | 30 |
| 500 kN | 640 | 540 | 500 | 415 | 230 | 50 | 5xM36 | 70 | 500 | 150 | 30 | 60 | - | 500 | 150 | 35 |
| 800 kN | 640 | 550 | 550 | 455 | 250 | 70 | 6xM42 | 70 | 500 | 160 | 15 | 45 | 30 | 800 | 150 | 35 |
| 1000 kN | 790 | 640 | 600 | 510 | 270 | 80 | 7xM42 | 70 | 650 | 175 | 10 | 40 | 40 | 800 | 150 | 35 |
| 1500 kN | 900 | 750 | 700 | 550 | 270 | 90 | 7xM48 | 100 | 700 | 200 | 10 | 40 | 40 | 1000 | 180 | 45 |
| 2000 kN | 1000 | 850 | 800 | 620 | 320 | 90 | 8xM56 | 125 | 750 | 225 | 36 | 36 | 18 | 1000 | 180 | 50 |
| 2500 kN | 1100 | 900 | 890 | 720 | 375 | 105 | 9xM56 | 125 | 850 | 225 | 30 | 30 | 30 | 1000 | 200 | 50 |

* All dimensions are in mm. Corners are in degrees. Anchor lengths are based on concrete grade C30/37.

T-Head Bollards





Steel Beams

Meever offers steel beams and sections from stock or directly from production, delivered quickly and flexibly and with ample choice as to types and specifications. They can also be made to measure for your specific application if you so desire. We supply H-beams, U-sections and I-sections of several different lengths, grades and types.

If you are interested in using lesser quality or used steel beams, we can email you some photos of examples in advance. We are always happy to advise you on the best choice for your specific project.

- HEA
- HEB
- HEM
- UNP
- IPE
- Double-U

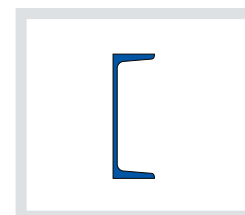
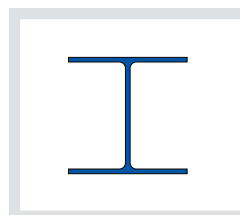


| HEB | Profile HEB (din1025) | Width (mm) | Height (mm) | Wx cm ³ | Weight kg/m ¹ |
|-----|-----------------------|------------|-------------|--------------------|--------------------------|
| | HEB 100 | 100 | 100 | 89,9 | 20,9 |
| | HEB 120 | 120 | 120 | 144,0 | 27,4 |
| | HEB 140 | 140 | 140 | 216,0 | 34,5 |
| | HEB 160 | 160 | 160 | 311,0 | 43,7 |
| | HEB 180 | 180 | 180 | 426,0 | 52,5 |
| | HEB 200 | 200 | 200 | 570,0 | 63,0 |
| | HEB 220 | 220 | 220 | 736,0 | 73,0 |
| | HEB 240 | 240 | 240 | 938,0 | 85,0 |
| | HEB 260 | 260 | 260 | 1150,0 | 95,0 |
| | HEB 280 | 280 | 280 | 1380,0 | 106,0 |
| | HEB 300 | 300 | 300 | 1680,0 | 120,0 |
| | HEB 320 | 320 | 300 | 1930,0 | 130,0 |
| | HEB 340 | 340 | 300 | 2160,0 | 137,0 |
| | HEB 360 | 360 | 300 | 2400,0 | 146,0 |
| | HEB 400 | 400 | 300 | 2880,0 | 159,0 |
| | HEB 450 | 450 | 300 | 3550,0 | 175,0 |
| | HEB 500 | 500 | 300 | 4290,0 | 192,0 |
| | HEB 550 | 550 | 300 | 4970,0 | 204,0 |
| | HEB 600 | 600 | 300 | 5700,0 | 217,0 |
| | HEB 650 | 650 | 300 | 6480,0 | 231,0 |
| | HEB 700 | 700 | 300 | 7340,0 | 247,0 |
| | HEB 800 | 800 | 300 | 8980,0 | 269,0 |
| | HEB 900 | 900 | 300 | 10980,0 | 298,0 |
| | HEB 1000 | 1000 | 300 | 12890,0 | 322,0 |

| HEA | Profile HEA (din1025) | Width (mm) | Height (mm) | Wx cm ³ | Weight kg/m ¹ |
|-----|-----------------------|------------|-------------|--------------------|--------------------------|
| | HEA 100 | 96 | 100 | 72,8 | 17,1 |
| | HEA 120 | 114 | 120 | 106,0 | 20,4 |
| | HEA 140 | 133 | 140 | 155,0 | 25,3 |
| | HEA 160 | 152 | 160 | 220,0 | 31,2 |
| | HEA 180 | 171 | 180 | 294,0 | 36,4 |
| | HEA 200 | 190 | 200 | 389,0 | 43,0 |
| | HEA 220 | 210 | 220 | 515,0 | 52,0 |
| | HEA 240 | 230 | 240 | 675,0 | 62,0 |
| | HEA 260 | 250 | 260 | 836,0 | 70,0 |
| | HEA 280 | 270 | 280 | 1010,0 | 78,0 |
| | HEA 300 | 290 | 300 | 1260,0 | 90,0 |
| | HEA 320 | 310 | 300 | 1480,0 | 100,0 |
| | HEA 340 | 330 | 300 | 1680,0 | 108,0 |
| | HEA 360 | 350 | 300 | 1890,0 | 115,0 |
| | HEA 400 | 390 | 300 | 2310,0 | 128,0 |
| | HEA 450 | 440 | 300 | 2900,0 | 143,0 |
| | HEA 500 | 490 | 300 | 3550,0 | 159,0 |
| | HEA 550 | 540 | 300 | 4150,0 | 170,0 |
| | HEA 600 | 590 | 300 | 4790,0 | 182,0 |
| | HEA 650 | 640 | 300 | 5470,0 | 195,0 |
| | HEA 700 | 690 | 300 | 6240,0 | 209,0 |
| | HEA 800 | 790 | 300 | 7680,0 | 230,0 |
| | HEA 900 | 890 | 300 | 9480,0 | 258,0 |
| | HEA 1000 | 990 | 300 | 1190,0 | 279,0 |

| HEM | Profile HEM (din1025) | Width (mm) | Height (mm) | Wx cm ³ | Weight kg/m ¹ |
|-----|-----------------------|------------|-------------|--------------------|--------------------------|
| | HEM 100 | 120 | 106 | 190 | 42,8 |
| | HEM 120 | 140 | 126 | 288 | 53,4 |
| | HEM 140 | 160 | 146 | 411 | 64,8 |
| | HEM 160 | 180 | 166 | 566 | 78,1 |
| | HEM 180 | 200 | 186 | 748 | 91,1 |
| | HEM 200 | 220 | 206 | 967 | 106,0 |
| | HEM 220 | 240 | 226 | 1220 | 120,0 |
| | HEM 240 | 270 | 248 | 1800 | 161,0 |
| | HEM 260 | 290 | 268 | 2160 | 176,0 |
| | HEM 280 | 310 | 288 | 2550 | 194,0 |
| | HEM 300 | 340 | 310 | 3480 | 244,0 |
| | HEM 320 | 359 | 309 | 3800 | 251,0 |
| | HEM 340 | 377 | 309 | 4050 | 254,0 |
| | HEM 360 | 395 | 308 | 4300 | 256,0 |
| | HEM 400 | 432 | 307 | 4820 | 262,0 |
| | HEM 450 | 478 | 307 | 5500 | 270,0 |
| | HEM 500 | 524 | 306 | 6180 | 277,0 |
| | HEM 550 | 572 | 306 | 6920 | 285,0 |
| | HEM 600 | 620 | 305 | 7660 | 292,0 |
| | HEM 650 | 668 | 305 | 8430 | 300,0 |
| | HEM 700 | 716 | 304 | 9200 | 309,0 |
| | HEM 800 | 814 | 303 | 10870 | 325,0 |
| | HEM 900 | 910 | 302 | 2540 | 341,0 |
| | HEM 1000 | 1008 | 302 | 14330 | 358,0 |

| UNP | Profile UNP (din1026) | Width (mm) | Height (mm) | Wx cm ³ | Weight kg/m ¹ | Weight kg/m ¹ DU-Profile |
|-----|-----------------------|------------|-------------|--------------------|--------------------------|-------------------------------------|
| | UNP 80 | 80 | 45 | 26,5 | 8,9 | 18,0 |
| | UNP 100 | 100 | 50 | 41,2 | 10,9 | 22,9 |
| | UNP 120 | 120 | 55 | 60,7 | 13,7 | 28,8 |
| | UNP 140 | 140 | 60 | 86,4 | 16,4 | 34,5 |
| | UNP 160 | 160 | 65 | 116,0 | 19,3 | 40,6 |
| | UNP 180 | 180 | 70 | 150,0 | 22,5 | 47,3 |
| | UNP 200 | 200 | 75 | 191,0 | 26,0 | 54,6 |
| | UNP 220 | 220 | 80 | 245,0 | 30,0 | 63,0 |
| | UNP 240 | 240 | 85 | 300,0 | 34,0 | 71,4 |
| | UNP 260 | 260 | 90 | 371,0 | 39,0 | 83,0 |
| | UNP 280 | 280 | 95 | 448,0 | 43,0 | 90,3 |
| | UNP 300 | 300 | 100 | 535,0 | 48,0 | 100,8 |
| | UNP 320 | 320 | 100 | 679,0 | 61,0 | 128,1 |
| | UNP 350 | 350 | 100 | 734,0 | 62,0 | 130,2 |
| | UNP 380 | 380 | 102 | 829,0 | 65,0 | 136,5 |
| | UNP 400 | 400 | 110 | 1020,0 | 74,0 | 155,4 |





Anchorage Systems

In regards to anchoring systems, Meever & Meever offers various solutions. The solution depends on the project specific requirements. Factors that come into play are the length and depth of the sheet piling, the subsoil and the nature of the construction (permanent or temporary).

Tie Bar

Tie Bars are high-quality steel solid rods supplied in various designs. These bars are often installed horizontally and connected to the Sheet piling and Anchor wall using anchor plates, an eye, hammer head and calotte/flat nuts. Meever & Meever can offer all supplies from stock and production.

Hollow Threaded Anchor Bar

The principle of this anchor system is characterised by a hollow tube threaded along its entire length. The thread is rolled cold onto the seamless tube during the production process. With the application of a suitable drill head, this tube can be drilled into any possible base. The full-length thread makes it possible to use coupling sleeves to repeatedly connect pipe segments until the desired depth is reached.

The system is implemented as standard with basic pipes in steel grade E500/700 and a minimum impact value of 27J at -20 °C. We have a wide range of available diameters and wall thicknesses. Required unit lengths can be determined project-specifically. Suitable and adequate coupling bushings and nuts are available for each anchor type.

Solid Threaded Anchor Bar

This system consists of a solid round steel bar, which is threaded along its entire length. The threads are rolled cold onto the round bar during the production process. The full-length thread makes it possible to connect rod segments to the desired length using coupling sleeves.

The system is available in two steel grades (S355 and S500) and in a wide range of diameters. Due to our capability of optimising the bar diameter down to the mm, we create the possibility of avoiding the unnecessary use of excess steel.

Hot Rolled Anchor Bar

This solid anchor rod is supplied as a fully hot-rolled product including thread. The full-length thread makes it possible to connect rod segments to the desired length using coupling sleeves. Various (customised) options are available for connecting the anchor rod to the construction in the form of nuts, plates, anchor seats, etc.

The system is available in two steel grades (550/620 and 670/800) and in a standard range of diameters.

Double Corrosion Protection

Optional systems can be equipped with double corrosion protection, in which a plastic casing is applied around the steel bar which is injected with sealing. This process takes place under cooled and controlled conditions, creating a basically infinite life time.



LCA-CERTIFIED

Our Anchors have a MKI saving of 72% compared to the National Environmental Database!

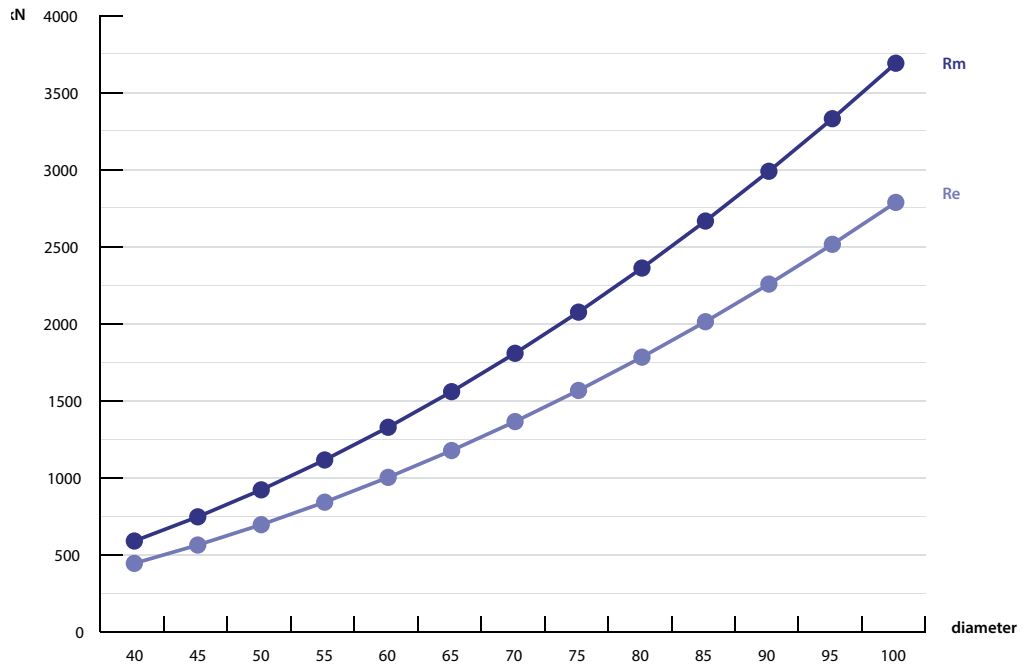


Solid Threaded Anchor Bars (S355/470)

| Diameter [mm] | cross-sectional area A [mm ²] | weight [kg/m] | min. yield strength Re [N/mm ²] | min. tensile strength Rm [N/mm ²] | load at yield Re [kN] | ultimate load Rm [kN] |
|------------------|---|------------------|---|---|--------------------------|-----------------------------|
| 40 | 1.257 | 9,86 | 355 | 470 | 446 | 591 |
| 45 | 1.590 | 12,48 | 355 | 470 | 565 | 748 |
| 50 | 1.963 | 15,41 | 355 | 470 | 697 | 923 |
| 55 | 2.376 | 18,65 | 355 | 470 | 843 | 1.117 |
| 60 | 2.827 | 22,20 | 355 | 470 | 1.004 | 1.329 |
| 65 | 3.318 | 26,05 | 355 | 470 | 1.178 | 1.560 |
| 70 | 3.848 | 30,21 | 355 | 470 | 1.366 | 1.809 |
| 75 | 4.418 | 34,68 | 355 | 470 | 1.568 | 2.076 |
| 80 | 5.027 | 39,46 | 355 | 470 | 1.784 | 2.362 |
| 85 | 5.675 | 44,54 | 355 | 470 | 2.014 | 2.667 |
| 90 | 6.362 | 49,94 | 355 | 470 | 2.258 | 2.990 |
| 95 | 7.088 | 55,64 | 355 | 470 | 2.516 | 3.331 |
| 100 | 7.854 | 61,65 | 355 | 470 | 2.788 | 3.691 |

- › Steel Grade 'S355/470' › Includes Charpytest min. 27J on -20°C on base material
- › Additional diameters available on request ›› STABs are also available with double corrosion protection (DCP)

STAB (S355/470)



The data given are indicative only and no further rights can be derived from them.

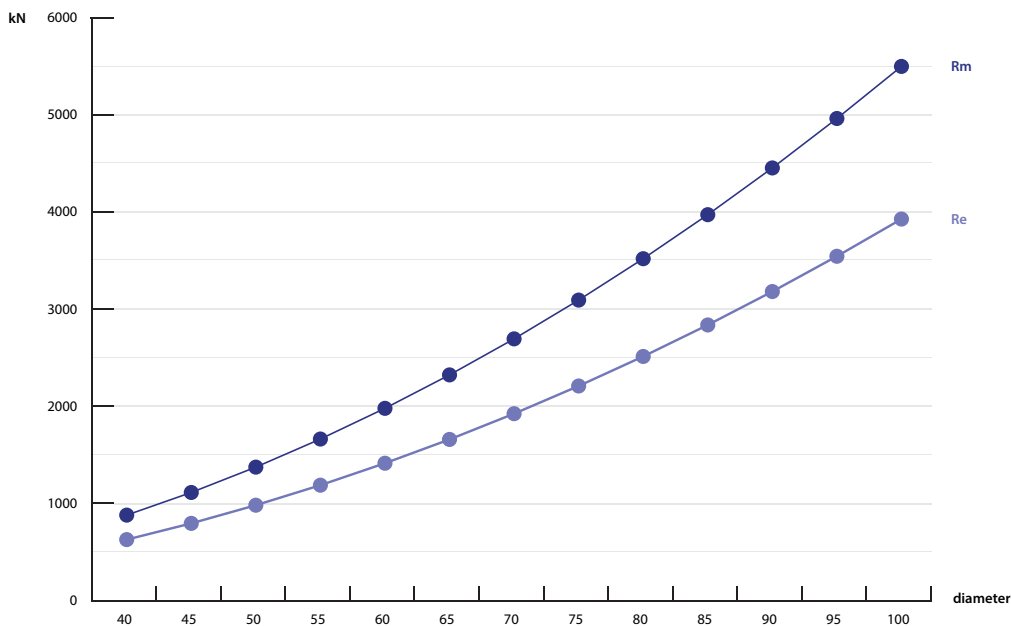


Solid Threaded Anchor Bars (S500/700)

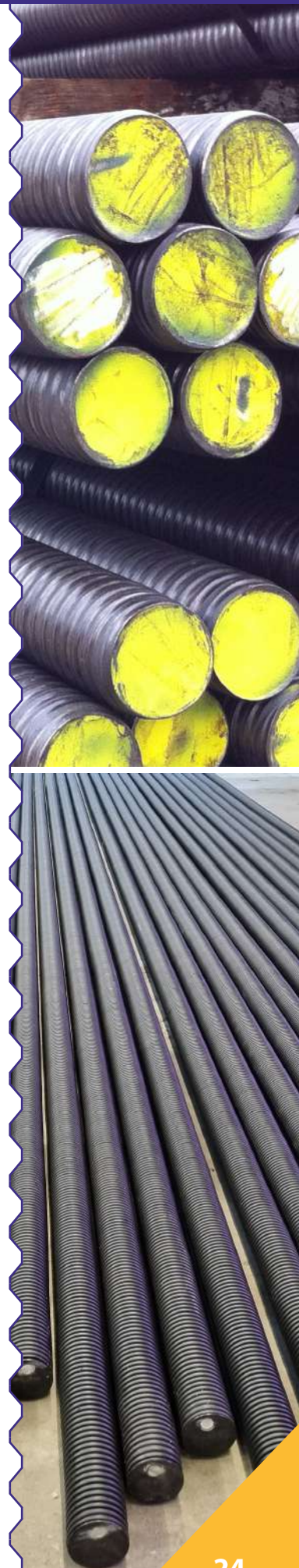
| Diameter [mm] | cross-sectional area A [mm ²] | weight [kg/m] | min. yield strength Re [N/mm ²] | min. tensile strength Rm [N/mm ²] | load at yield Re [kN] | ultimate load Rm [kN] |
|------------------|---|------------------|---|---|-----------------------------|-----------------------------|
| 40 | 1.257 | 9,86 | 500 | 700 | 628 | 880 |
| 45 | 1.590 | 12,48 | 500 | 700 | 795 | 1.113 |
| 50 | 1.963 | 15,41 | 500 | 700 | 982 | 1.374 |
| 55 | 2.376 | 18,65 | 500 | 700 | 1.188 | 1.663 |
| 60 | 2.827 | 22,20 | 500 | 700 | 1.414 | 1.979 |
| 65 | 3.318 | 26,05 | 500 | 700 | 1.659 | 2.323 |
| 70 | 3.848 | 30,21 | 500 | 700 | 1.924 | 2.694 |
| 75 | 4.418 | 34,68 | 500 | 700 | 2.209 | 3.093 |
| 80 | 5.027 | 39,46 | 500 | 700 | 2.513 | 3.519 |
| 85 | 5.675 | 44,54 | 500 | 700 | 2.837 | 3.972 |
| 90 | 6.362 | 49,94 | 500 | 700 | 3.181 | 4.453 |
| 95 | 7.088 | 55,64 | 500 | 700 | 3.544 | 4.962 |
| 100 | 7.854 | 61,65 | 500 | 700 | 3.927 | 5.498 |

- › Steel Grade 'S500/700' › Includes Charpytest min. 27J on -20°C on base material
- › Additional diameters available on request › STABs are also available with double corrosion protection (DCP)

STAB (S500/700)



The data given are indicative only and no further rights can be derived from them.



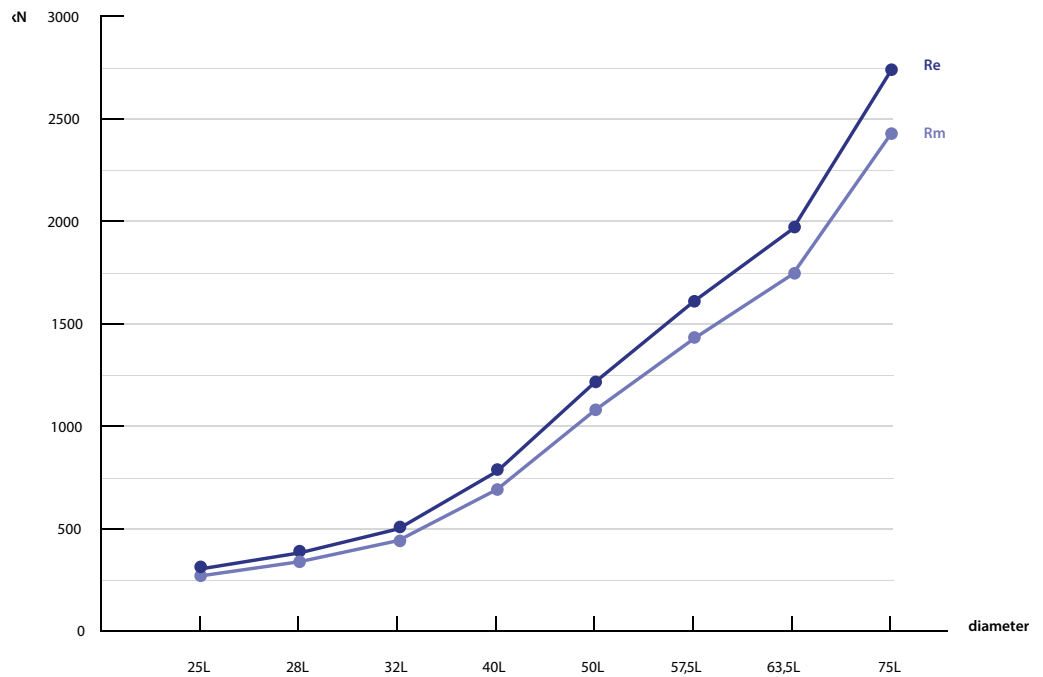


Hot Rolled Anchor Bars (S550/620)

| Diameter [mm] | cross-sectional area A [mm ²] | weight [kg/m] | min. yield strength Re [N/mm ²] | min. tensile strength Rm [N/mm ²] | load at yield Re [kN] | ultimate load Rm [kN] |
|------------------|---|------------------|---|---|-----------------------------|-----------------------------|
| 25L | 491 | 3,85 | 550 | 620 | 270 | 304 |
| 28L | 616 | 4,83 | 550 | 620 | 339 | 382 |
| 32L | 804 | 6,31 | 550 | 620 | 442 | 499 |
| 40L | 1.257 | 9,86 | 550 | 620 | 691 | 779 |
| 50L | 1.963 | 15,41 | 550 | 620 | 1.080 | 1.217 |
| 57,5L | 2.597 | 20,38 | 550 | 620 | 1.428 | 1.610 |
| 63,5L | 3.167 | 24,86 | 550 | 620 | 1.742 | 1.963 |
| 75L | 4.418 | 34,68 | 550 | 620 | 2.430 | 2.739 |

› Steel grade 'S550/620' › HRABs are also available with double corrosion protection (DCP)

HRAB (S550/620)



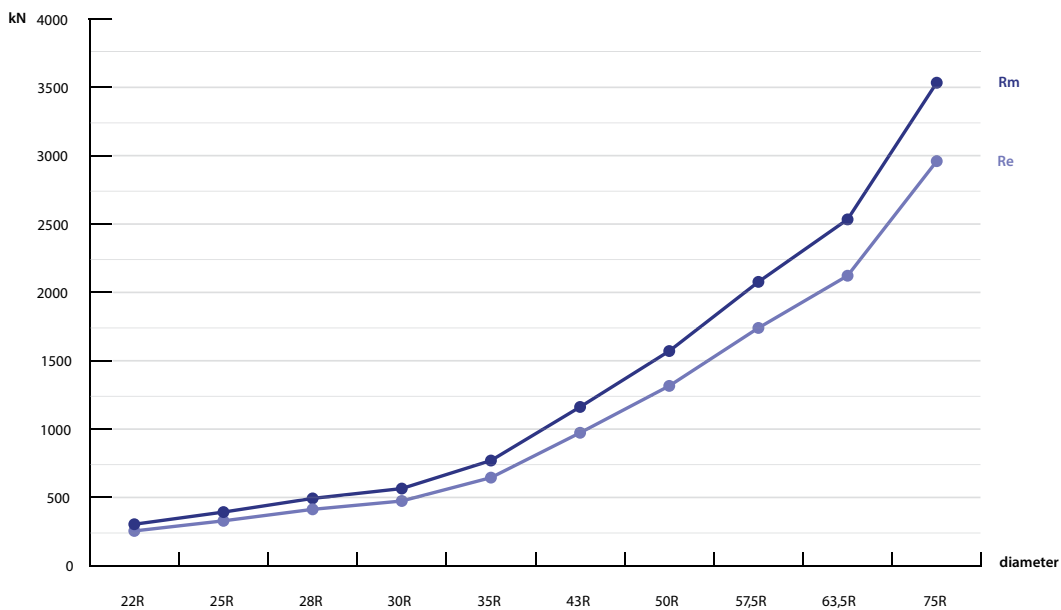
The data given are indicative only and no further rights can be derived from them.

Hot Rolled Anchor Bars (S670/800)

| Diameter [mm] | cross-sectional area A [mm ²] | weight [kg/m] | min. yield strength Re [N/mm ²] | min. tensile strength Rm [N/mm ²] | load at yield Re [kN] | ultimate load Rm [kN] |
|------------------|---|------------------|---|---|-----------------------------|-----------------------------|
| 22R | 380 | 2,98 | 670 | 800 | 255 | 304 |
| 25R | 491 | 3,85 | 670 | 800 | 329 | 393 |
| 28R | 616 | 4,83 | 670 | 800 | 413 | 493 |
| 30R | 707 | 5,55 | 670 | 800 | 474 | 565 |
| 35R | 962 | 7,55 | 670 | 800 | 645 | 770 |
| 43R | 1.452 | 11,40 | 670 | 800 | 973 | 1.162 |
| 50R | 1.963 | 15,41 | 670 | 800 | 1.316 | 1.571 |
| 57,5R | 2.597 | 20,38 | 670 | 800 | 1.740 | 2.077 |
| 63,5R | 3.167 | 24,86 | 670 | 800 | 2.122 | 2.534 |
| 75R | 4.418 | 34,68 | 670 | 800 | 2.960 | 3.534 |

› Steel Grade 'S670/800' › HRABs are also available with double corrosion protection (DCP)

HRAB (S670/800)



The data given are indicative only and no further rights can be derived from them.





Meever Expanding Seal



Field of Application

- Sealing of the locks between sheet piles.
- Sealing of joints of in-situ cast concrete in moist conditions.
- Sealing joints between precast segments in wet or underwater applications (e.g. manholes, waiting holes, cable penetrations).

The Advantages of the Meever Expanding Seal:

Due to its special formulation, Meever Expanding Seal can be applied in moist conditions.

- The Meever Expanding Seal is very sustainable: it will exceed the construction's lifespan.
- Solvent free.
- Meever Expanding Seal adheres to steel, concrete, PVC, HDPE, fibreglass, etc.
- In contact with moisture Meever Expanding Seal will expand to about 350% of its original volume.
- Flexible system, which adapts to the irregular surface of the substrate.
- Easy application with a standard caulking gun.
- Good chemical resistance: The ideal solution with contaminated soil.
- Environmentally friendly.

Description

- Meever Expanding Seal is a grey solvent-free swelling rubber based on polyurethane resins, supplied in tubes and aluminium (sausages), for sealing sheet piling locks.
- Meever Expanding Seal cures and swells as soon as it comes into contact with moisture. The curing time depends on temperature and humidity. Meever Expanding Seal will cure faster at higher temperatures and low or high humidity. On average the Meever Expanding Seal will cure within 24-36 hours.

Application

Meever Expanding Seal should preferably be applied to a clean or dust-free substrate. The surface may be rough or smooth, moist or dry.



● Application



Swelling 36 hours after application



Watertightness Test

Element Materials Technology conducted a test to assess the watertightness of sheet pile walls filled with the Meever Expanding Seal. Meever developed a versatile test rig that allowed multiple interlocks to be tested simultaneously. The test pieces were prepared according to Meever Expanding Seal instructions and simulated real civil engineering conditions with added tension using wedges.

To prevent water leakage from the sides during testing, plates on top of the test pieces were sealed. Different types of locks were tested, including hot-rolled and cold-formed I-Locks. The special test rig consisted of a pressure chamber, a rubber insert for sealing and a steel grid for support. The pressure chamber was connected to a manometer and a water pressure source, and the seeping water was collected to determine the volume leaked through under different pressures.

During the test procedure, the water pressure was gradually increased at intervals. The results in Table 1 showed that the Meever Expanding Seal achieved full water tightness up to 4.277 bar. It is emphasised that the tests were carried out under controlled conditions and that the success of the application in practice depends on proper adhesion, determined by the applicator.

Tested maximum water pressure* at which the test pieces remained watertight

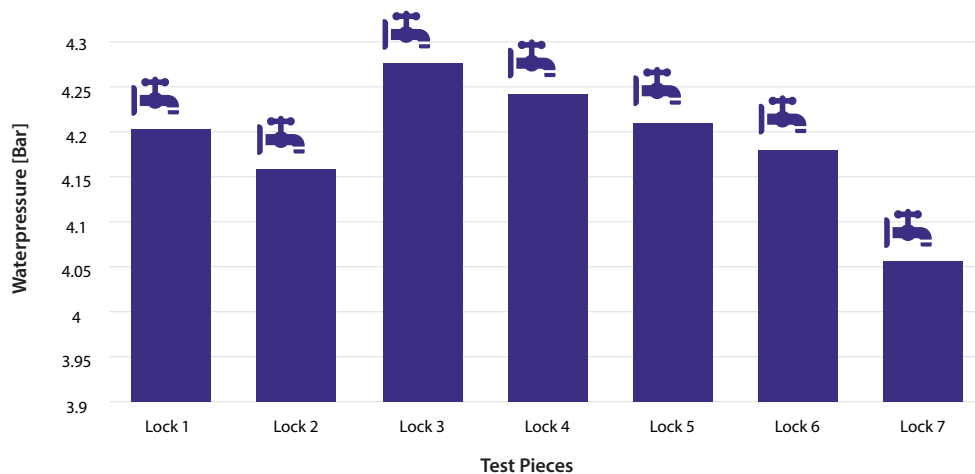


Table 1: Maximum water pressure tested



* The locks remained watertight at all times during the tests carried out. The different maximum values in the table are due to the different water pressures supplied for the test setup.





Meever Bracing System

The Meever Bracing System is a modular system designed & engineered to maintain excavation integrity, it allows flexibility on site and saves time and money. Most importantly it provides a safe working environment. Meever Bracing Series is manufactured in house so we are able to offer custom solutions for varying excavations. Meever Bracing is a patented system.

Meever Bracing is:

- The first of its kind, with removable hydraulic rams to create a static temporary support system.
- Easy and quick to install.
- Versatile on site.
- Time and money saving.
- Easy and fast assembly.
- No welding on site.

With 0.5mtr, 1mtr, 2mtr, 3mtr & 6mtr Modules, Meever Bracing fits together with a full shear capacity joint, secured with one pin. This simple, easy assembly requires minimal training, saving time on site layout.

Reduced Weight

The brace is lighter than conventional method of steel pipe strutting, therefore smaller machines can be used on site.

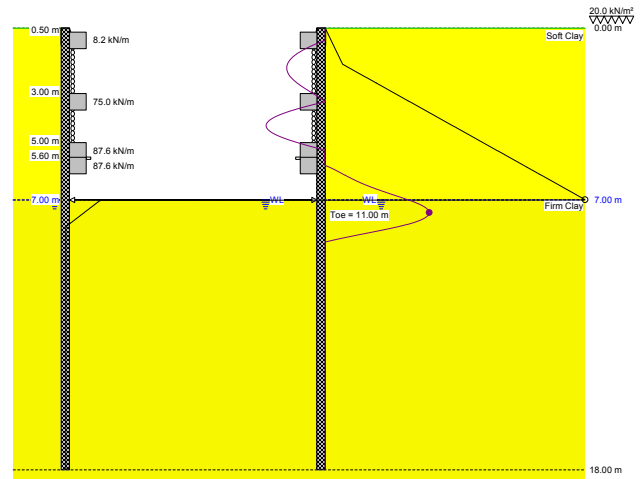
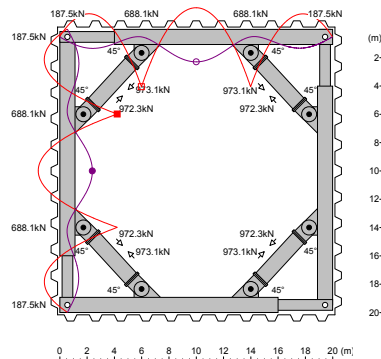
Over-dig Allowance

The Meever Bracing system hydraulic unit extends up to 700mm, allowing an overall overlap of up to 200mm. This means that if overdigging occurs, the hydraulic unit can extend 200mm to cover the gap between the modules, creating dig flexibility and convenience on site.

Safe Cross Bracing

Cross brace connection points have been designed into the modules. This allows a positive connection between the module and the cross brace.

- Meever Bracing can be used in conjunction with all Steel Sheet Piles U & Z Type, Trench Sheet.
- Meever Bracing is not restricted to size or shape it is versatile in every aspect.
- Meever Bracing offer a preliminary design outlining the sheets and the amount of bracing needed to secure your excavations.



| Maximum | d (m) |
|---------------------------|-------|
| ○ 110.0 kN/m ² | 6.99 |
| ● 0.3 mm | 7.51 |

| | x (m) | R (kN) | M (kNm) |
|-------------------------------|-------|--------|---------|
| L = 20.00 m | 0.00 | 187.5 | 0.0 |
| E = 2.1E+08 kN/m ² | 6.00 | 688.1 | 442.3 |
| I = 60180.0 cm ⁴ | 14.00 | 688.1 | 442.3 |
| M ₀ = 1504.7 kNm | 20.00 | 187.5 | 0.0 |
| Maximum x (m) | | | |
| Bending Moment (kNm) | 442.3 | 5.98 | |
| Shear Force (kN) | 351.7 | 5.97 | |
| Deflection (mm) | 9.0 | 10.00 | |

| | x (m) | R (kN) | M (kNm) |
|-------------------------------|-------|--------|---------|
| B = 20.00 m | 0.00 | 187.5 | 0.0 |
| E = 2.1E+08 kN/m ² | 6.00 | 688.1 | 442.3 |
| I = 25170.0 cm ⁴ | 14.00 | 688.1 | 442.3 |
| M ₀ = 595.0 kNm | 20.00 | 187.5 | 0.0 |
| Maximum x (m) | | | |
| Bending Moment (kNm) | 442.3 | 5.98 | |
| Shear Force (kN) | 351.7 | 5.97 | |
| Deflection (mm) | 21.4 | 10.00 | |

Interlock Sealing

Meever Expanding Seal

Read more on page 27.

PileLock

Pile Lock is the best option when the sealing needs to be completely waterproof. This product expands up to 20 times its original volume when it comes into contact with water, enabling a waterproof solution.

Pertex Bituminous Filling

This type of interlock sealant is very interesting from an economic point of view and significantly reduces leaking.

Surface Treatment

Blasting & Coatings

We offer a full range of high quality coating systems from experienced, qualified coating facilities. Whether it's an anti-corrosion coating to increase the material lifetime or a paint for esthetic purposes, we can do it.

Galvanizing

We have the possibility to hot-dip galvanise our products.

Metallizing

Meever & Meever offers the service of metallizing our products for an ideal protective layer against corrosion.

Declutching Detectors

Declutching Detectors are used to check that Sheet piles remain locked together along their entire length during installation.

Construction work & Modifications

On request, we can edit our products to meet your specific requirements.

- Welding of needles
- Lifting holes
- Making to the correct length
- Corner needles
- Doubling of sheet piling
- Loose-fitting / welded / punched

Project Design & Engineering

Our certified engineers can draw construction plans or calculate your complete project. We can help you with finding the best and most price efficient solution. Our experience has made us a reliable partner. We have seen that the best results are accomplished when working together with the contractor on a project starting from the tender phase until the end.

- Drawings and calculations
- Designing construction plans
- Developing alternative structures
- Cost-efficient engineering

Cathodic Protection (Anti Corrosion)

To reduce the effect of corrosion and significantly increase the service life of steel, we offer cathodic protection. A sacrificial anode is then attached to the steel sheet piling, this anode will literally sacrifice itself, keeping the sheet piling free from corrosion. For the calculated period, only the anode will be corroded and the steel will remain in its original state. There are numerous variations in the dimensions and characteristics of anodes. Our engineering department calculates the most efficient and economical anode that meets the requirements to extend the life of the steel.



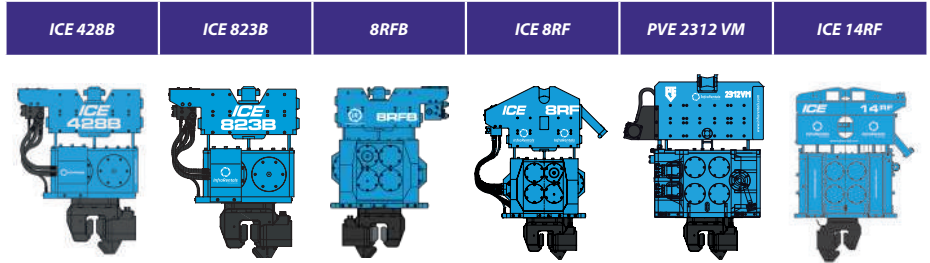
- * Zinc Anodes
- * Aluminium Anodes



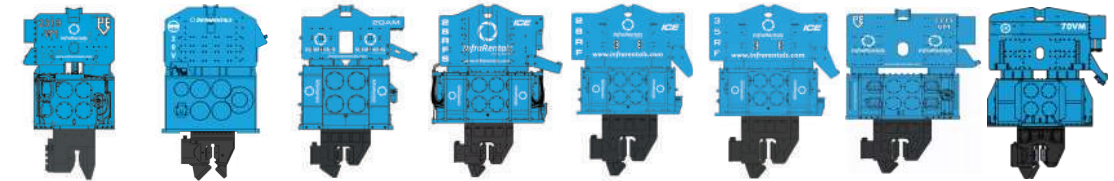


Vibratory Hammers and Power Packs

Meever & Meever supplies and rents a complete range of high-quality vibratory hammers for for the most differing pile driving and soil compaction activities. If you have any questions or you need more information, please feel free to contact us.



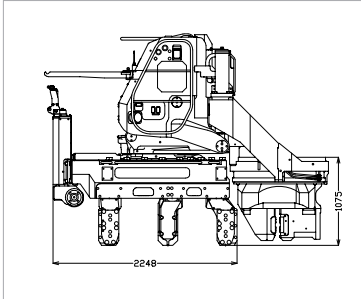
| | ICE 428B | ICE 823B | 8RFB | ICE 8RF | PVE 2312 VM | ICE 14RF |
|-----------------------------|----------|----------|-------|---------|-------------|----------|
| Universal Clamp | 60 TU | 60 TU | 60 TU | 60 TU | 85TU | 100 TU |
| Clamp Force (kN) | 600 | 600 | 120 | 600 | 850 | 1000 |
| Hose Package (mtr.) | - | - | - | 30 | 30 | 30 |
| Eccentric Moment (kgm) | 0-4,6 | 8 | 0-7,5 | 0-7,5 | 0-12 | 0-14 |
| Max. Centrifugal Force (kN) | 0-395 | 0-464 | 0-435 | 0-435 | 0-700 | 0-810 |
| Max. Frequency (tpm) | 2800 | 2300 | 2300 | 2300 | 2300 | 2300 |
| Max. Static Line Pull (kN) | 120 | 120 | 120 | 120 | 250 | 240 |
| Weight + Clamp (kg) | 1.030 | 1.310 | 1.515 | 1.515 | 2.390 | 3.910 |



| PVE 2319 VM | HPM 20V | InfraRentals 20 AM | ICE 28RFS | ICE 28RF | ICE 35RF | 2335VM | 70VM NEW |
|-------------|---------|--------------------|-----------|----------|----------|--------|-----------------|
| 150 TU | 150 DK | 165 UC | 200 TU | 200 TU | 200 TU | 350 TU | 350 TU |
| 1500 | 1500 | 1650 | 2000 | 2000 | 2000 | 3500 | 800 |
| 30 | 30 | 30 | 45 | 45 | 45 | 47 | - |
| 0-19 | 0-20 | 0-20 | 0-28 | 0-28 | 0-35 | 0-35 | 0-70 |
| 0-1100 | 0-1160 | 0-1062 | 0-1624 | 0-1600 | 0-1740 | 0-2030 | 0-3070 |
| 2300 | 2300 | 2200 | 2300 | 2300 | 2100 | 2300 | 2000 |
| 300 | 240 | 400 | 400 | 400 | 500 | 500 | 800 |
| 4.900 | 4.600 | 5.500 | 6.500 | 8.500 | 9.500 | 9.500 | 1.300 |

Still Worker ZU-100

The Still Worker is used for vibrations free pressing and pulling from sheet piles.



| Reaction stand | |
|----------------|----------|
| Length (L1) | 4,000 mm |
| Length (L2) | 6,385 mm |
| Width (W1) | 2,200 mm |
| Width (W2) | 4,640 mm |
| Height | 462 mm |
| Weight | 2,400 kg |

ZU-100

| Specifications | |
|-------------------------|---|
| Max. Pressing in force | 1,000 kN |
| Max. Pressing out force | 1,100 kN |
| Stroke | 750 mm |
| Pressing in speed | 3.0-36.0 m/min |
| Drawing out speed | 2.4-28.0 m/min |
| Tilting device | ± 5 degrees |
| Mast rotation | 180 degrees |
| Applicable sheet piles | <p>Z-profiles ESZ17 tot ESZ20, ESZ17-700 tot ESZ28-700, AZ12 tot AZ50, AZ17-700 till AZ41-700, AZ12-700R till AZ14-700R, AZ36-700N till AZ46-700N, H1105 tot H3806, PZC13 till PZC39, PZ22 & PZ35</p> <p>U-profiles L703 till L755, AU14 till AU26, PU12 till PU32, PU11R till PU15R, (V)L603 till (V)L607n</p> |
| Operation system | Wireless radio control & cable remote control |
| Moving system | Self-moving |
| Greases | Biodegradable greases |

Features and Benefits of the Still Worker

- Virtually noise and vibration-free, this means that installing sheet piling is possible up to 1,500 mm from existing buildings or services.
- The Still Worker operates at ground level without pile drivers, making it a very safe way of working.
- Uses a wireless control system, this gives the operator a wide visibility range and a safe working environment.
- The Still Worker is light and compact, requiring only a small crane to supply sheet piling.
- Ideal for workplaces with Height restrictions.
- Stage 5 engine.

Exclusive Mast Tilting Device is standard with each machine.

Features and benefits of the Mast Tilt device

- Mast/Claw plate can tilt 5 degrees, both forwards and backwards.
- Even more precise and efficient installation of sheet piling.
- Makes self-standing relocation much easier and faster.
- Makes working on slopes much easier.



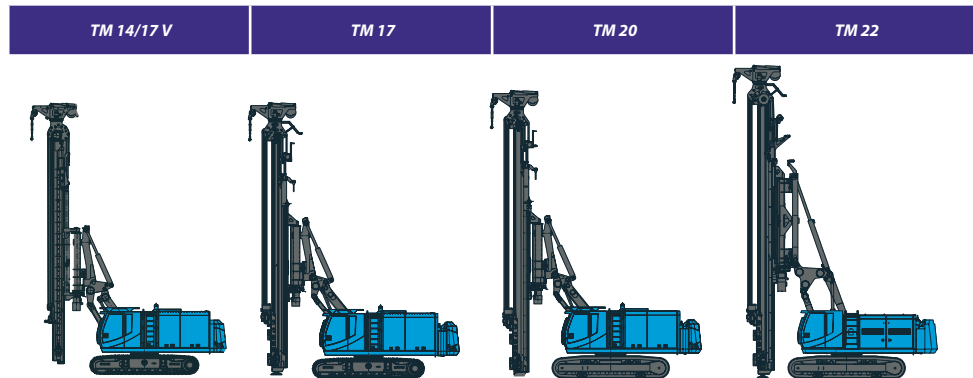


ABI Piling Rigs

Meever supplies and rents out ABI piling rigs, for pile driving, pressing and extracting sheet piles, tubes and beams. Below you can find our available ABI piling rigs. If there are any questions or you need more information, please contact us.



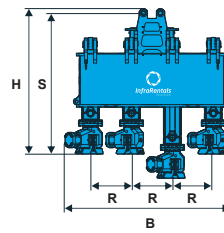
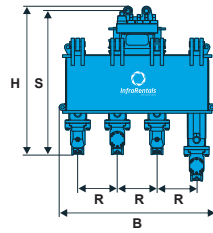
| | TM 13 | TM 13/16 SL | TM 14/17 VSL | TM 26 |
|--|-------------|---------------|--------------|--------------|
| Engine power (kW) | 209 | 340/470 | 470 | 563 |
| Stroke guiding carriage (mm) | 13500 | 16000 | 17000 | 26200 |
| Torque absorption max (kNm) | 60 | 45 | 45 | 160 |
| Max. load capacity (kg) at 360 degrees operation. reach dependent on ballasting | 7000 | 9000 | 9000 | 20000 |
| Carrier unit | SR 20 F | SR 30 / SR 35 | SR 35 | SR 45 |
| Transport weight (approx. to.) (incl. standard counter weight. reduction of transport weight possible by detaching counter weight) | 40 | 47/51 | 53,3 | 88,5 |
| Operation weight with standard vibrator (approx. t) | 43,5 | 51,2/56,5 | 57,3 | 94 |
| Standard vibrator | MRZV 16VV | MRZV 20VV | MRZV 20VV | MRZV 36VV |
| Eccentric static moment (kgm) (Max.) Centrifugal force (kN) | 0-16 750 | 0-20 1200 | 0-20 1200 | 0-36 1500 |



| | TM 14/17 V | TM 17 | TM 20 | TM 22 |
|--|--------------|--------------|--------------|--------------|
| Engine power (kW) | 470 | 470 | 470 | 470 |
| Stroke guide carriage (mm) | 17000 | 18000 | 20000 | 22000 |
| Torque absorption max. (kNm) | 100 | 150 | 150 | 200 |
| Max. load capacity (kg) at 360 degrees operation, reach dependent on ballasting | 10000 | 11000 | 12000 | 15000 |
| Carrier unit | SR 35 | SR 35 | SR 35 | SR 35 HD |
| Transport weight (approx. to.) (incl. standard counter weight, reduction of transport weight possible by detaching counter weight) | 58 | 63 | 64,8 | 76 |
| Operation weight with standard vibrator (approx. t) | 63 | 67,4 | 70 | 81 |
| Standard vibrator | MRZV 30VV | MRZV 30VV | MRZV 30VV | MRZV 30VV |
| Eccentric static moment (kgm) (Max.) centrifugal force (kN) | 0-30 1500 | 0-30 1500 | 0-30 1500 | 0-30 1500 |

Technical data¹

| | HPU | HPZ 630/670/700 |
|--|-----|-----------------|
|--|-----|-----------------|



| | | |
|--------------------------------------|-------------|-------------|
| Pressing force (kN) | 4 x 800 | 4 x 800 |
| Extraction force (kN) | 4 x 600 | 4 x 600 |
| Stroke (mm) | 4 x 400 | 4 x 400 |
| Hydraul. flow rate max. (l/min) | 420 | 420 |
| Nominal oil pressure (MPa) | 32 | 32 |
| Total weight / transport Weight (kg) | 6140 / 6620 | 6470 / 7250 |

Suitable for steel sheet piles

U profiles

Z profiles

| | | |
|--------|--|--|
| | PU6, PU8, PU12, PU16, PU20, PU25, PU32 VL601, VL602, VL603, VL604, VL605, VL606, VL628, VL607 | ESZ13, ESZ18, ESZ26, ESZ36, ESZ36-700, ESZ38-700, ESZ40-700, ESZ 17-630/700 up to ESZ 40-630-700 |
| H (mm) | 2250 | 2400 |
| S (mm) | 2180 | 2330 |
| B (mm) | 2360 | 2950 |
| T (mm) | 1030 | 980 |
| R (mm) | 600 | 630/670/700 ¹ |

Transport dimensions

| | | |
|--------|------|------|
| h (mm) | 2535 | 2630 |
| b (mm) | 2360 | 2950 |
| t (mm) | 1240 | 1100 |

¹ Mechanically adjustable, other pitches on request.





Sheet Piling Steel Grades For Hot-Rolled Sheet Piles conforming to EN 10 248-1

| Steel Grade | Minimum Yield Point | Tensile Strength | Minimum Elongation |
|-------------|---------------------|------------------|--------------------|
| | MPa | MPa | % |
| S 240 GP | 240 | 340 | 26 |
| S 270 GP | 270 | 410 | 24 |
| S 320 GP | 320 | 440 | 23 |
| S 355 GP | 355 | 480 | 22 |
| S 390 GP* | 390 | 490 | 20 |
| S 430 GP* | 430 | 510 | 19 |

*) For the higher-strength sheet piling steels S 390 GP and S 430 GP, an approval certificate (Z-30. 1-17) from the building supervisory authorities is available.

Deviation Limits And Dimensional Tolerances For Hot-Rolled Sheet Piles

made of unalloyed steels conforming to DIN EN 10 248-2

| | |
|--|---|
| Pile Width | Single piles $\pm 2\%$; double and triple piles $\pm 3\%$ |
| Wall Thickness of U-sections | t: up to 8,5 mm = $\pm 0,5$ mm; over 8,5 mm = $\pm 6\%$ t s: up to 8,5 mm = $\pm 0,5$ mm; over 8,5 mm = $\pm 6\%$ s* |
| Wall Thickness Z-profiles and flat profiles | t, s: up to 8,5 mm = $\pm 0,5$ mm; over 8,5 mm = $\pm 6\%$ s, t |
| Height U-profiles | h: up to 200 mm = ± 4 mm; over 200 mm = ± 5 mm |
| Height Z-sections | h: up to 200 mm = ± 5 mm; von 200 up to 300 mm = ± 6 mm; over 300 mm = ± 7 mm |
| Deviation from straightness | The longitudinal deviation from straightness must not exceed 0,2% of pile length. |
| Pile length | Sheet pile lengths are permitted to deviate by ± 200 mm from the ordered lengths. |
| Cut | Cut at right angles to the longitudinal axis. The total deviation between the highest and lowest points in the cutting plane, measured on a single pile along the longitudinal axis, must not exceed 2% of pile width. |
| Weight | The tolerance between the arithmetic weight (according to section tables) and weighed weight of the total consignment must be within $\pm 5\%$. |
| Section interlocks | The interlocks shall have adequate free play so that the piles can be fitted into each other and they must engage in such a manner that the inservice forces can be transmitted. The minimum interlock overlap on U and Z piles must not be less than 4 mm and on straight-web sections not less than 7 mm. |

*) Normally the positive tolerance shall be at the discretion of the manufacturer. At the time of the enquiry and order, a limitation on the positive tolerance can be agreed. In this case, the following values should be chosen: + 0,5 mm for s < 8,5 mm and + 6 % for > 8,5 mm.

Available Types:



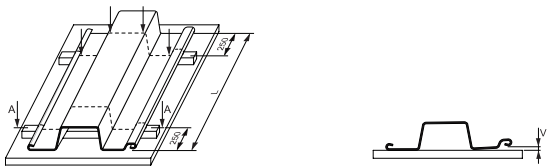
| | | | | |
|------------------|----------------------------|--------------------------------|------------------------------------|------------------------------|
| U-Profile | Single | Double S-shape standard | Double Z-shape (on request) | Triple piles standard |
| | | | | |
| Z-Profile | Position A Single | Position B Enkel | Shape 1 standard | Shape 2 (on request) |
| | | | | |

Sheet Piling Steel Grades For Cold-Formed Sheet Piles conforming to EN 10 249-1







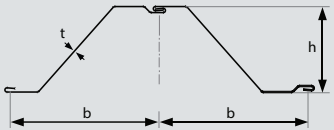
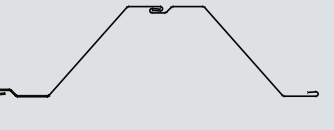
| Steel Grade* | Minimum Yield Point | Tensile Strength | Minimum Elongation |
|--------------|---------------------|------------------|--------------------|
| | MPa | MPa | % |
| S 235 JRC | 235 | 360 - 510 | 26 |
| S 275 JRC | 275 | 410 - 560 | 23 |
| S 355 J0C | 355 | 470 - 630 | 22 |

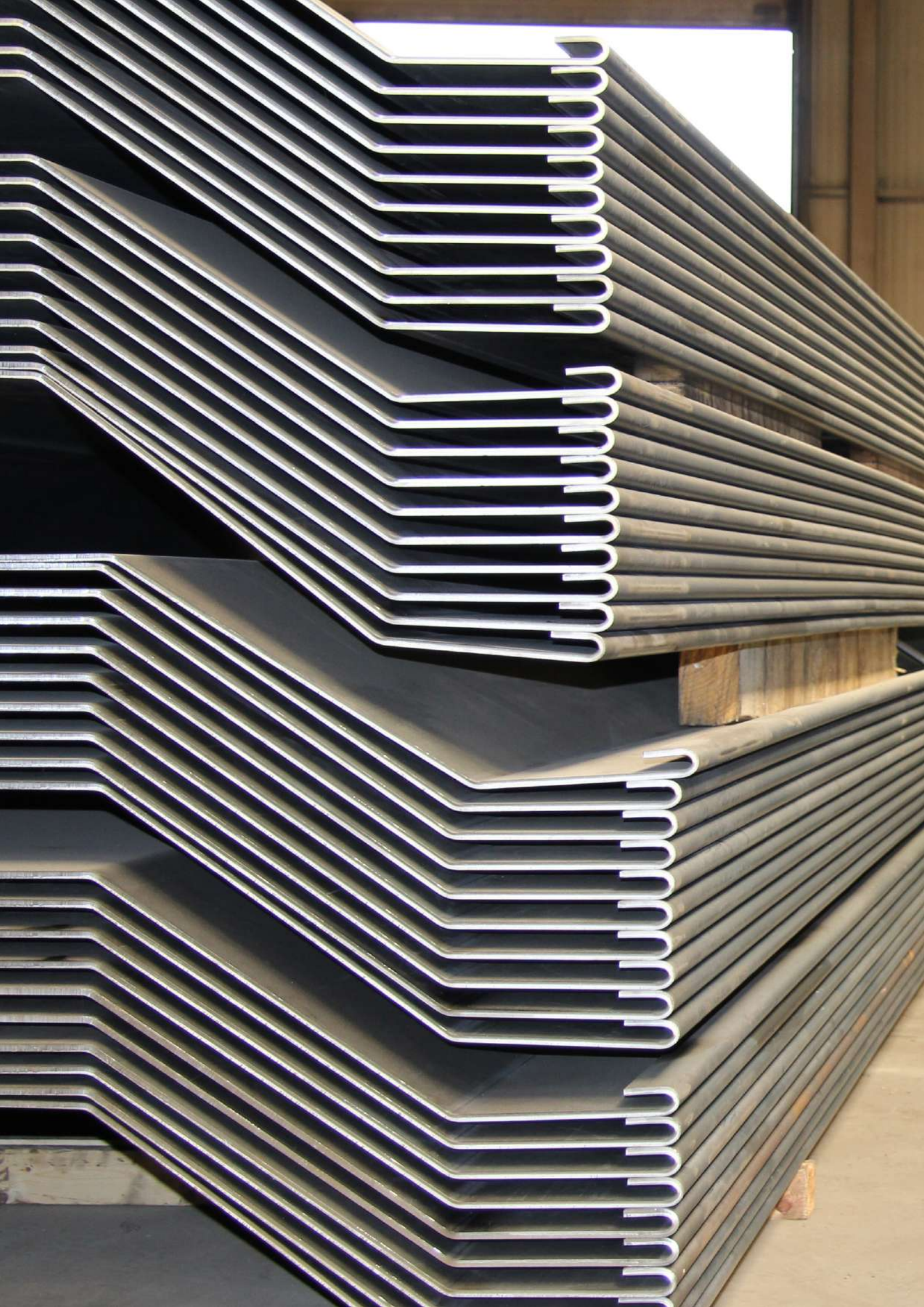
* Mechanical proportions according to EN 10025 - 2:2004. Other steel grades on request.

Deviation Limits And Dimensional Tolerances For Cold-Formed Sheet Piles made of unalloyed steels conforming to EN 10 249-2

| | |
|--------------------------------------|---|
| Pile Width | Single piles $\pm 2\%$; double piles $\pm 3\%$ |
| Wall Thickness | De Thickness tolerantie is aangeven in tabel 3 van de EN 10 051. |
| Height | h: up to 200 mm = ± 4 mm; over 200 up to 300 mm = ± 6 mm; over 300 up to 400 mm = ± 8 mm; over 400 mm = ± 10 mm. |
| Deviation From Straightness S | The longitudinal deviation from straightness S, must not exceed 0,25 % of the pile length.  |
| Deviation From Straightness C | The longitudinal deviation from straightness C, must not exceed 0,25 % of the pile length.  |
| Torsion V | The Size V must not exceed $\pm 0,2\%$ of the pile length, with a maximum of 100 mm.  |
| Pile Length | Sheet pile lengths are permitted to deviate by ± 50 mm from the ordered lengths. |
| Cut | Cut at right angles to the longitudinal axis. The total deviation between the highest and lowest points in the cutting plane, measured on a single pile along the longitudinal axis, must not exceed 2 % of the pile width. |
| Weight | The tolerance between the arithmetic weight (according to section tables) and weighed weight of the total consignment must be within $\pm 7\%$. |

Available Types:

| | | | | | |
|-------------|---|---|--|---|---|
| IBO® | Shape 1 Standard | Shape 2 (on request) | MKU | Shape 1 standard | Shape 2 (on request) |
| |  |  | |  |  |
| VKZ | Position A Single | Position B Single | Shape 1 standard | Shape 2 (on request) | |
| |  |  |  |  | |





CONTACT US

Meever & Meever
Gorinchemsestraat 35
4231 BE Meerkerk
The Netherlands

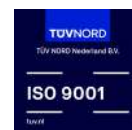
T +31 183 358 383

E info@meever.nl

I www.Meever.nl



MEEVER & MEEVER



PILING PRODUCTS



MEEVER & MEEVER

MEEVER & MEEVER • GORINCHEMSESTRAAT 35 • 4231 BE MEERKERK • THE NETHERLANDS
+31183-358383 • INFO@MEEVER.NL • WWW.MEEVER.NL