

UnionOcel

Your partner in steel

RANGE OF PRODUCTS





Assortment plates

Non-alloy structural steels

EN 10025-2

Marking	Thickness [mm]	Width [mm]	Length [mm]
S235JR	3–250	1 000–4 000	16 000
S355J2	3–300	1 000–3 500	16 000
S355J2C	3–30	1 000–3 500	16 000

Normalized/normalized rolled fine grain structural steels Thermomechanical rolled fine grain structural steels

EN 10025-3
EN 10025-4

Marking	Thickness [mm]	Width [mm]	Length [mm]
S355NL/S355ML	2–220	1 000–4 000	16 000
S420NL/S420ML	8–120	1 000–3 500	16 000
S460NL/S460ML	4–180	1 000–3 500	16 000

Structural steels with improved atmospheric corrosion resistance

EN 10025-5

Marking	Thickness [mm]	Width [mm]	Length [mm]
S355J0WP	1–12	1 000–2 500	max. 12 000
S355J2WP	1–12	1 000–2 500	max. 12 000
S355J0W	3–50	1 000–2 500	max. 12 000
S355J2W	3–50	1 000–2 500	max. 12 000

High yield strength structural steels in the quenched and temp. condition

EN 10025-6

Marking	Thickness [mm]	Width [mm]	Length [mm]
S690QL	2–200	1 000–3 000	13 000
S890QL	4–120	1 000–3 000	12 000
S960QL	4–100	1 000–3 000	12 000
S1100QL	4–40	1 000–3 000	12 000

Steels for pressure purposes – non-alloy and alloy steels

EN 10028-2

Marking	Thickness [mm]	Width [mm]	Length [mm]
P265GH	3–250	1 000–4 000	14 000
P295GH	5–120	1 000–3 500	12 000
P355GH	3–220	1 000–3 500	12 000
16Mo3	1,5–200	1 000–3 000	12 000
13CrMo4-5	3–160	1 000–3 000	12 000
10CrMo9-10	3–120	1 000–2 500	12 000

Steels for pressure purposes – fine grain steels, normalized

EN 10028-3

Marking	Thickness [mm]	Width [mm]	Length [mm]
P275N/NH/NL1/NL2	5–120	1 000–4 000	14 000
P355N/NH/NL1/NL2	3–220	1 000–3 500	13 000
P460N/NH/NL1/NL2	4–180	1 000–3 000	13 000

High yield strength steels for cold forming – thermomechanically rolled

EN 10149-2

Marking	Thickness [mm]	Width [mm]	Length [mm]
S315MC	1,5–20	1 000–2 500	12 000
S355MC	1,5–20	1 000–2 500	12 000
S420MC	1,5–20	1 000–2 500	12 000
S460MC	1,5–20	1 000–2 500	12 000
S500MC	1,5–16	1 000–2 500	12 000
S550MC	1,5–16	1 000–2 500	12 000
S600MC	1,5–16	1 000–2 500	12 000
S650MC	1,5–16	1 000–2 500	12 000
S700MC	1,5–16	1 000–2 500	12 000



Wear resistant steels

Marking	Thickness [mm]	Width [mm]	Length [mm]
XAR 300	3-50	1 000-2 500	12 000
XAR 400	3-100	1 000-2 500	12 000
XAR 400 W	4-40	1 000-2 500	12 000
XAR 400 HR	4-25	1 000-2 500	12 000
XAR 400 HT	4-100	1 000-2 500	12 000
XAR 450	3-100	1 000-3 000	12 000
XAR 500	3-100	1 000-3 000	12 000
XAR 600	4-50	1 000-2 500	12 000
Durostat 400	6-100	1 000-2 500	12 000
Durostat 450	6-50	2 500-3 000	12 000
Durostat 500	10-30	1 000-2 500	12 000
Dilidur 325 L	5-50	1 000-3 000	12 000
Dilidur 400 V	6-150	1 000-3 000	12 000
Dilidur 500 V	8-100	1 000-3 000	12 000
Dilidur 550	10-51	1 000-3 300	12 000
Brinar 400 Cr	6-25	1 000-3 500	14 000
X 120 Mn 12	1,5-60	1 000-2 500	6 000
Creusabro 4800	3-150	1 250-3 000	8 000
Creusabro 8000	5-65	1 250-3 000	8 000

SP/COROPLATE

Further details s. special catalog

ASME standard steels

Marking	Thickness [mm]	Width [mm]	Length [mm]
SA 36	3-110	1 000-3 500	max. 16 000
SA 283 Grade C	4-25	1 000-3 500	max. 16 000
SA 285 Grade C	4-25	1 000-3 500	max. 16 000
SA 516 Grade 60/415	3-270	1 000-4 000	max. 16 000
SA 516 Grade 65/450	3-250	1 000-4 000	max. 16 000
SA 516 Grade 70/485	3-250	1 000-4 000	max. 16 000
SA 537 Cl.1	4-200	1 000-4 000	max. 16 000
SA 387 Grade 12 Cl. 2	3-200	1 000-3 000	max. 12 000
SA 387 Grade 11 Cl. 2	5-80	1 000-3 000	max. 12 000
SA 387 Grade 22 Cl. 2	4-100	1 000-3 000	max. 12 000
SA 387 Grade 5 Cl. 2	6-80	1 000-3 000	max. 12 000

Ship building quality steels

Marking	Thickness [mm]	Width [mm]	Length [mm]
Grade A	3-100	1 000-3 500	max. 16 000
Grade D	4-120	1 000-4 000	max. 16 000
Grade E	4-120	1 000-4 000	max. 16 000
D36	4-60	1 000-4 000	max. 16 000
E36/EH 36	5-250	1 000-3 500	max. 16 000
F36/FH36	6-100	1 000-3 500	max. 16 000
EH40	8-40	1 050-3 500	max. 16 000



Metal plate processing

Flame cutting

Oxygen cutting machine ESAB SUPRAREX

Plate thickness [mm]	Table Dimensions [mm]
10–330	4 000 × 24 000

Plasma cutting machine ESAB SUPRAREX HD 4500 and PIERCE RUM 3500

Plate thickness [mm]	Table Dimensions [mm]
1,5–40	3 000 × 24 000

3D cutting: preparation of welded edges from +45° to -45°, edges X, Y and K, up to 40 mm square cut, up to 32 mm 45° cut

Laser LVD Impulse 12530/5kW power

Plate thickness [mm] max.	Table Dimensions [mm]
20	3 000 × 12 000

Laser Trumpf TruLaser 3060/4kW power

Plate thickness [mm] max.	Table Dimensions [mm]
20	2 500 × 6 000

Scissors shearing

Hydraulic shears CNG HGM 3020

Plate width (mm) max.	Plate thickness max. Re max. 450 MPa (mm)	Plate thickness max. Re max. 700 MPa (mm)
3 080	20	13

Bending

Press brake LVD 400/4080 / Press brake LVD PPEB

Working length [mm] max.	Pressing force [t] max.
4 000 / 6 000	400 / 1 250

Mechanical processing

CNC machining centre MCFV 1060i / CNC machining centre MCFV 2080

Table load [t] max.	Table Dimensions [mm]
1,35 / 3	600 × 1000 / 800 × 2 000

CNC machining centre FVC

Table load [t] max.	Table Dimensions [mm]
11	1 600 × 4 000

Milling machine FA5B

Table load [t] max.	Table Dimensions [mm]
12	350 × 1 400

Drilling machine VO50

Table load [t]	Table Dimensions [mm]
Manual handling	1 000 × 3 500

Edge bevelling machine

Plate thickness [mm]
7 – 80

Shot blasting

Roller conveyor blast machine WHEELABRATOR

Entrance length [mm] max.	Entrance height [mm] max.	Entrance width [mm] max.
16 000	500	3 000

Plates

EN 10025-2	Non-alloy structural steels
EN 10025-3	Normalized/normalized rolled fine grain structural steels
EN 10025-4	Thermomechanical rolled fine grain structural steels
EN 10025-5	Structural steels with improved atmospheric corrosion resistance
EN 10025-6	High yield strength structural steels in the quenched and tempered conditions
EN 10028-2	Steels for pressure purposes – non-alloy and alloy steels
EN 10028-3	Steels for pressure purposes – fine grain steels, normalized
EN 10149-2	High yield strength steels for cold forming – thermomechanically rolled
■ ■ ■ ■ ■ ■	Wear resistant steels
■ ■ ■ ■ ■ ■	ASME standard steels
■ ■ ■ ■ ■ ■	Ship building quality steels



Further possibilities

- Cutting – autogen, plasma, laser and shearing according to ISO EN 9013
- Mechanical processing, milling, drilling
- Fixed dimensions from unreeling device – sheets from coils in standard stock sizes
- Blasting and conservation
- Ultrasonic testing in accordance with EN 10160 and ASME 435
- Acceptance by all accredited companies, e.g. DB/TÜV/LRS/DNV - GL/ABS/ČD

Every order is accompanied by an inspection certificate in accordance with EN 10204 / 3.1 or 2.2.
It is our aim to ensure a reliable and timely processing and delivery of each order.



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