

➤ Hot rolled plates



The integrated plant of Stomana Industry, produces high quality of steel, rolled in a modern reverse plate mill, ensuring high quality during the whole process.

Stomana supplies a wide range of plate products to a large number of markets and applications. These include construction, machinery, energy and power, shipbuilding, transportation, mining.

Hot rolled plates are produced in a variety of sizes and specifications according to the European and international standards. Also, customized product solutions are possible based on customer needs.



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> Applications

Our plates are suitable for a wide range of applications



Construction



Yellow goods



Machinery



Infrastructure



Shipbuilding



Pressure vessels



Transportation



Wind turbines

➤ Standards and grades

1. Structural steels

For general structural applications

1.1 Non alloyed EN 10025-2 structural steels

S185	+AR/+N
S235JR	+AR/+N
S235J0	+AR/+N
S235J2	+AR/+N
S275JR	+AR/+N
S275J0	+AR/+N
S275J2	+AR/+N
S275K2	+AR/+N
S355JR	+AR/+N
S355J0	+AR/+N
S355J2	+AR/+N
S355K2	+AR/+N

1.2 ASTM non-alloyed structural steels

A36
A283 Grade C
A283 Grade D

1.3 ASTM non-alloyed structural steels

A572 Grade 50 (type 2)
A573 Grade 70
A709 Grade 50

2. Weldable fine grain structural steels

For welded structures

2.1 Weldable fine grain EN 10025-3 structural steels

S355N

3. Corrosion resistant steels

For corrosion resistant structures, bridges, architectural applications

3.1 Corrosion resistant EN 10025-5 steels

S235J0W
S235J2W
S355J0W
S355J2W

3.2 Steels made to ASTM A588

A588 Grade A

4. Steels for pressure vessels

For boilers and pressure vessels at high and atmospheric temperature

4.1 Steels with specified properties at elevated temperatures made to EN 10028-2

P235GH
P265GH
P295GH
P355GH
16Mo3 +AR

4.2 Weldable fine grain steels EN 10028-3

P275NH
P355NH
P355N

4.3 Steels made to ASTM A516

A516 Grade 55
A516 Grade 60
A516 Grade 65
A516 Grade 70

5. Steels for quenching & tempering

For improved wear and fatigue resistance, machinery, yellow goods

5.1 Steels for quenching & tempering made to EN 10083-2 / EN ISO 683-1

C40+AR
C45+AR
C45E+AR

6. Shipbuilding steels

For naval and off-shore projects, hull construction, ship repairs

6.1 Normal strength naval steels (LR, BV, VL, ABS, RINA)

Grade A
Grade B

6.2 High strength naval steels (LR, VL)

Grade AH 32
Grade DH 32
Grade AH 36
Grade DH 36

➤ Plate sizes and weight

Width 1500mm	Length (mm)	4000	5000	6000	7000	8000	9000	10000	11000	12000
	Thickness (mm)	Weight (kg)								
	7	330	412	495	577	659	742	824	907	989
	8	377	471	565	659	754	848	942	1036	1130
	10	471	589	707	824	942	1060	1178	1295	1413
	12	565	707	848	989	1130	1272	1413	1554	1696
	14	659	824	989	1154	1319	1484	1649	1813	1978
	15	707	883	1060	1236	1413	1590	1766	1943	2120
	16	754	942	1130	1319	1507	1696	1884	2072	2261
	18	848	1060	1272	1484	1696	1908	2120	2331	2543
	20	942	1178	1413	1649	1884	2120	2355	2591	2826
	22	1036	1295	1554	1813	2072	2331	2591	2850	3109
	25	1178	1472	1766	2061	2355	2649	2944	3238	3533
	28	1319	1649	1978	2308	2638	2967	3297	3627	3956
	30	1413	1766	2120	2473	2826	3179	3533	3886	4239
	35	1649	2061	2473	2885	3297	3709	4121	4533	4946
	40	1884	2355	2826	3297	3768	4239	4710		
	45	2120	2649	3179	3709	4239	4769			
	50	2355	2944	3533	4121	4710				
	55	2591	3238	3886	4533					
	60	2826	3533	4239	4946					

Width 2000mm	Length (mm)	4000	5000	6000	7000	8000	9000	10000	11000	12000
	Thickness (mm)	Weight (kg)								
	7	440	550	659	769	879	989	1099	1209	1319
	8	502	628	754	879	1005	1130	1256	1382	1507
	10	628	785	942	1099	1256	1413	1570	1727	1884
	12	754	942	1130	1319	1507	1696	1884	2072	2261
	14	879	1099	1319	1539	1758	1978	2198	2418	2638
	15	942	1178	1413	1649	1884	2120	2355	2591	2826
	16	1005	1256	1507	1758	2010	2261	2512	2763	3014
	18	1130	1413	1696	1978	2261	2543	2826	3109	3391
	20	1256	1570	1884	2198	2512	2826	3140	3454	3768
	22	1382	1727	2072	2418	2763	3109	3454	3799	4145
	25	1570	1963	2355	2748	3140	3533	3925	4318	4710
	28	1758	2198	2638	3077	3517	3956	4396	4836	
	30	1884	2355	2826	3297	3768	4239	4710		
	35	2198	2748	3297	3847	4396	4946			
	40	2512	3140	3768	4396	5024				
	45	2826	3533	4239	4946					
	50	3140	3925	4710						
	55	3454	4318							
	60	3768	4710							

Width 2500mm	Length (mm)	4000	5000	6000	7000	8000	9000	10000	11000	12000
	Thickness (mm)	Weight (kg)								
	7	550	687	824	962	1099	1236	1374	1511	1649
	8	628	785	942	1099	1256	1413	1570	1727	1884
	10	785	981	1178	1374	1570	1766	1963	2159	2355
	12	942	1178	1413	1649	1884	2120	2355	2591	2826
	14	1099	1374	1649	1923	2198	2473	2748	3022	3297
	15	1178	1472	1766	2061	2355	2649	2944	3238	3533
	16	1256	1570	1884	2198	2512	2826	3140	3454	3768
	18	1413	1766	2120	2473	2826	3179	3533	3886	4239
	20	1570	1963	2355	2748	3140	3533	3925	4318	4710
	22	1727	2159	2591	3022	3454	3886	4318	4749	
	25	1963	2453	2944	3434	3925	4416	4906		
	28	2198	2748	3297	3847	4396	4946			
	30	2355	2944	3533	4121	4710				
	35	2748	3434	4121	4808					
	40	3140	3925	4710						
	45	3533	4416							
	50	3925	4906							
	55	4318								
	60	4710								

Standard sizes

Any combination of the below
 Width: 1500mm, 2000mm and 2500mm
 Length: 4000/6000/8000/10000/12000mm
 Thickness >40mm upon confirmation

Non-standard sizes

The mill can produce custom sizes
 (width and length) upon request

 Other thicknesses than the ones
 listed above can be produced

Small formats

(WxL): 1000mm x 2000mm
 (WxL): 1250/1500/2000/2500mm
 x 3000mm

Units

mm or inch



➤ Technical delivery conditions

General

- ▶ Chemical properties on ladle heat analysis as per ordered standard
- ▶ Mechanical properties according to ordered standards
- ▶ Sizes and tolerances according to EN 10029 or relevant standards
- ▶ Surface properties as per EN 10163-2, mill finish
- ▶ Standard four - cut edges

Optional requirements

- ▶ Suitability for hot-dip zinc-coating
- ▶ Suitability for cold forming
- ▶ Vacuum degassed steel
- ▶ Special chemistry requirements
- ▶ Additional mechanical tests
- ▶ Special tolerances on size and flatness
- ▶ Z15, Z25 test acc. to EN 10164
- ▶ Other tests

Ultrasonic testing

- ▶ Ultrasonic testing acc. to EN 10160 or equivalent standards
- ▶ E0/S0, E1/S1, E2/S2 compliance or other combinations depending on thickness and grade
- ▶ Ultrasonic test full reports

Marking

- ▶ Standard paint marking and labels, indicating: country of origin, Stomana logo, size, quality standard, plate number and heat number, CE mark acc. to EN 10025-1
- ▶ Standard hard stamping indicating: plate number, grade, Stomana logo
- ▶ Color marking upon request, on the edges of the plates, one or two sides

Quality Certificates

- ▶ Mill's quality certificates according to the material standards. Certificate type 3.1 or 3.2 acc. to EN 10204
- ▶ Certification by Lloyds Register, DNV/GL, RINA, ABS, Bureau Veritas for shipbuilding grades
- ▶ Certification for multiple grade: single, double, triple certification if applicable
- ▶ Third party inspection can be arranged upon request

Packing

- ▶ Standard loose packing
- ▶ In bundles if requested with wooden separation





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