



STEEL PLATES



NAUMANN STAHL
I S T Q U A L I T Ä T .

**NAUMANN STAHL is specialist
for steel plates.**

ARTUR NAUMANN STAHL AG, Düsseldorf was founded in 1960 by Mr. Artur Naumann. Our company is still 100% a private family business.

Our delivery programme includes case hardening, heat treatable steel, fine grained structural steel, high resistant and creep resistant steel and other special qualities.

Saw cutting of plates, specially for tools and injection mold qualities, is another important part of our business.



Founder of the Company: Artur Naumann



We have a commercial office in Bilbao (Spain), from where we service southern europe and the overseas export markets.

Naturally, Qualitymanagement is key in our business.
We are certified by Germanischer Lloyd with the ISO 9002 and ISO 9001:2000. We work constantly to keep up with the most actualised status in quality.

General Structural Steel

DIN EN 10025 (DIN 17100)

Application:

Structural steel work, bridge building, tank construction

	Thickness in mm			Size in mm		
St 52-3 G 03 / St 52-3N Material No. 1.0570	1	to	2,5	1.000	x	2.000
	1,5	to	2,5	1.250	x	2.500
	1,5	to	2,5	1.500	x	3.000
S 355 J2+N Material No. 1.0577	3,0	to	120	1.000	x	2.000
	3,0	to	50	1.250	x	2.500
	3,0	to	50	1.500	x	3.000
	4	to	120	2.000	x	6.000
				alt.		12.000
	8	to	50	2.500	x	10.000
	8	to	50	3.000	x	6.000
				alt.		12.000
S 355 J2C+N Material No. 1.0579	1,0	to	15	1.000	x	2.000
	1,5	to	15	1.250	x	2.500
	1,5	to	15	1.500	x	3.000
	4	to	15	2.000	x	6.000
				alt.		12.000
	8	to	15	2.500	x	12.000
	8	to	15	3.000	x	6.000
				alt.		12.000
E 335 (St 60-2) Material No. 1.0060	8	to	120	2.000	x	6.000
				alt.		12.000
	8	to	120	2.500	x	4.000
				alt.		10.000
	8	to	100	3.000	x	6.000
				alt.		12.000
E 360 (St 70-2) Material No. 1.0070	8	to	100	2.000	x	6.000
				alt.		12.000
				2.500	x	6.000
				alt.		12.000
				3.000	x	6.000

From 20mm thickness on, at and wide at dimensions can be saw-cutted.

Case Hardening Steel

DIN EN 10084 (DIN 17210)

Application:

Tools, engineering parts

	Thickness in mm			Size in mm		
C 15 / C 15 E Material No. 1.0401 / 1.1141	1,5	to	100	1.000	x	2.000
	8	to	100	2.000	x	6.000
16 Mn Cr 5 Material No. 1.7131	2	to	200	1.000	x	2.000
	10	to	120	1.250	x	2.500
	10	to	100	1.500	x	3.000
	8	to	200	2.000	x	6.000
	10	to	120	2.500	x	6.250
	12	to	100	3.000	x	6.000
20 Mn Cr 5 Material No. 1.7147	8	to	200	1.000	x	2.000
	8	to	120	1.250	x	2.500
	10	to	100	1.500	x	3.000
	8	to	200	2.000	x	6.000
	8	to	120	2.500	x	6.250
	12	to	100	3.000	x	6.000

From 20mm thickness on, at and wide at dimensions can be saw-cutted.



Pressure vessel steels

Acc. to US-Standard ASME / ASTM with Inspection Certificate DIN EN 10204 - 3.1

Application:

Vessel fabrication, boiler plates

	Thickness in mm			Size in mm		
SA 516	5	to	150	1.000	x	2.000
Grade 70	5	to	80	1.250	x	2.500
	5	to	80	1.500	x	3.000
	5	to	150	2.000	x	6.000
				alt.		12.000
	5	to	80	2.500	x	6.000
				alt.		12.000
	5	to	80	3.000	x	6.000
				alt.		12.000

Unalloyed pressure vessel steels

DIN EN 10028-2, with Inspection Certificate acc. DIN EN 10204 - 3.1

Application:

Vessel fabrication, boiler plates

	Thickness in mm			Size in mm		
P 295 GH	5	to	80	1.000	x	2.000
Material No. 1.0481	5	to	80	1.250	x	2.500
	5	to	80	1.500	x	3.000
	5	to	80	2.000	x	6.000
				alt.		12.000
	5	to	80	2.500	x	6.000
				alt.		12.000
	5	to	80	3.000	x	6.000
				alt.		12.000
P 355 GH	5	to	80	1.000	x	2.000
Material No. 1.0473	5	to	80	1.250	x	2.500
	5	to	80	1.500	x	3.000
	5	to	80	2.000	x	6.000
				alt.		12.000
	5	to	80	2.500	x	6.000
				alt.		12.000
	5	to	80	3.000	x	6.000
				alt.		12.000



Alloyed pressure vessel steels

DIN EN 10028-2, AD 2000 W1, heavy steel plates with Inspection Certificate DIN EN 10204 - 3.2 TÜV, hot rolled steel plates with Inspection Certificate DIN EN 10204 - 3.1

Application:

Vessel fabrication, boiler plates

	Thickness in mm			Size in mm		
16 Mo 3 Material No. 1.5415	1,0	to	150	1.000	x	2.000
	2,0	to	80	1.250	x	2.500
	2,0	to	80	1.500	x	3.000
	3	to	150	2.000	x	6.000
				alt.		12.000
	5	to	80	2.500	x	6.000
				alt.		12.000
13 Cr Mo 4-5 Material No. 1.7335	3,0	to	140	1.000	x	2.000
	2,0	to	60	1.250	x	2.500
	3,0	to	100	1.500	x	3.000
	4	to	140	2.000	x	6.000
				alt.		12.000
	5	to	60	2.500	x	6.000
10 Cr Mo 9-10 Material No. 1.7380	4	to	120	1.000	x	2.000
	5	to	50	1.250	x	2.500
	5	to	120	2.000	x	6.000
				alt.		12.000
	5	to	50	2.500	x	6.000
				alt.		12.000
	8	to	50	1.500		3.000
				3.000		6.000
				alt.		12.000

Pressure vessel steels

Acc. to US-Standard ASME / ASTM with Inspection Certificate DIN EN 10204 - 3.1

Application:

Vessel fabrication, boiler plates

	Thickness in mm			Size in mm		
SA 387 Grade 11 Cl. 2	6	to	50	2.000	x	12.000
	6	to	50	2.500	x	12.000
SA 387 Grade 12 Cl. 2	3,0	to	80	1.000	x	2.000
	2,0	to	80	1.250	x	2.500
	3,0	to	80	1.500	x	3.000
	5	to	80	2.000	x	6.000
				alt.		12.000
	5	to	60	2.500	x	6.000
				alt.		12.000
SA 387 Grade 22 Cl. 2	5	to	80	3.000	x	6.000
				alt.		12.000
	4	to	80	1.000	x	2.000
	5	to	50	1.250	x	2.500
	4	to	80	2.000	x	6.000
				alt.		12.000
	5	to	50	2.500	x	6.000
				alt.		12.000
	8	to	50	1.500	x	3.000
	8	to	50	3.000	x	6.000
			alt.		12.000	



Manganese Steel
high resistant

Abrasion resistant steel
with 360 - 440 HB

Heat treated

Water quenched and tempered

Application:

Shot blasting equipment, safety techniques, high resistant part for crushing mills

Application:

Earth moving equipment, mining equipment, wear plates, crushers, shredders

	Thickness in mm			Size in mm		
		to			x	
X 120 Mn 12 Material No. 1.3401	1,5	to	50	1.000	x	2.000
	3	to	6	1.000	x	3.000
	3	to	20	1.250	x	2.500
	3	to	30	1.500	x	3.000
	6	to	50	2.000	x	6.000

	Thickness in mm			Size in mm		
		to			x	
AN 400 Material No. 1.8714 / 1.8715	4	to	100	2.000	x	6.000
				alt.		12.000
	4	to	50	2.500	x	6.000
				alt.		12.000
	8	to	50	3.000	x	6.000
				alt.		12.000

We stock material from different manufacturers e.g.
FORA 400 BC, BRINAR 400



Heat-treatable steels

Heat-treatable steels

DIN EN 10083-1 and 2

Application:

Tools, Injection molds for cast iron and plastics, special machinery building

	Thickness in mm			Size in mm		
C 45 / C 45 E Material No. 1.0503 / 1.1191	1,0	to	255	1.000	x	2.000
	3	to	120	1.250	x	2.500
	3	to	100	1.500	x	3.000
	8	to	255	2.000	x	4.000
				alt.		12.000
	8	to	120	2.500	x	4.000
				alt.		12.000
C 60 / C 60 E Material No. 1.0601 / 1.1221	1,0	to	150	1.000	x	2.000
	3	to	6	1.250	x	2.500
	3	to	100	1.500	x	3.000
	8	to	150	2.000	x	6.000
				alt.		12.000
25 Cr Mo 4 Material No. 1.7218	2	to	120	1.000	x	2.000
	8	to	120	2.000	x	6.000
42 Cr Mo 4 Material No. 1.7225	2	to	200	1.000	x	2.000
	10	to	100	1.250	x	2.500
	8	to	200	2.000	x	6.000
	10	to	100	2.500	x	6.250

From 20mm thickness on, at and wide at dimensions can be saw-cutted.

Application:

Tools, engineering parts

	Thickness in mm			Size in mm		
C 45 W Material No. 1.1730	8	to	120	2.000	x	4.000
				alt.	x	12.000
	8	to	120	2.500	x	4.000
				alt.	x	10.000
C 60 W Material No. 1.1740	8	to	120	3.000		6.000
				alt.	x	12.000
	8	to	120	3.000	x	6.000
C 75 W Material No. 1.1750	1,5	to	50	1.000	x	2.000
	8	to	50	1.500	x	3.000
	8	to	50	3.000	x	6.000

From 20mm thickness on, at and wide at dimensions can be saw-cutted.



Fine grain pressure vessel steels

DIN EN 10028-3, AD 2000 W1 / W10, with Inspection Certificate DIN EN 10204-3.2 TÜV, Impact test at -50° C, hot tensile test at 400° C

Application:

Pressure Vessel Building, structural engineering machinery, structural steel work, bridge building

	Thickness in mm			Size in mm		
P 355 NH /	5	to	150	1.000	x	2.000
P 355 NL2	5	to	100	1.250	x	2.500
Material No. 1.0565 / 1.0566	8	to	80	1.500	x	3.000
	5	to	150	2.000	x	6.000
				alt.		12.000
	5	to	100	2.500	x	6.000
				alt.		12.000
	8	to	80	3.000	x	6.000
			alt.		12.000	
P 460 NH /	5	to	150	1.000	x	2.000
P 460 NL2	5	to	80	1.250	x	2.500
Material No. 1.8935 / 1.8915	8	to	80	1.500	x	3.000
	5	to	150	2.000	x	6.000
				alt.		12.000
	5	to	80	2.500	x	6.000
				alt.		12.000
	8	to	80	3.000	x	6.000
			alt.		12.000	

High strength steels

DIN EN 10025-6, water quenched and tempered, weldable

Application:

Heavy road vehicles, cranes construction, structural steel works, power plants, mining equipment

	Thickness in mm			Size in mm		
S 690 QL /	3	to	6	1.500	x	6.000
S 690 QL 1	4	nis	120	2.000	x	6.000
Material No. 1.8928 / 1.8988				alt.		12.000
	4	to	50	2.500	x	6.000
				alt.		12.000
	8	to	50	3.000	x	6.000
			alt.		12.000	



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