

## Forged flat bars

### Stainless steel

Steel grade	DIN	AISI ASTM
1.4006	X12Cr13	AISI 410
1.4021	X20Cr13	AISI 420
1.4028	X30Cr13	AISI 420
1.4031*	X39Cr13	AISI 420
1.4034	X46Cr13	AISI 420
1.4057	X17CrNi16-2	AISI 431
1.4104	X14CrMoS17	AISI 430F
1.4112	X90CrMoV18	AISI 440B
1.4122	X39CrMo17-1	
1.4125	X105CrMo17	AISI 440C
1.4301	X5CrNi18-10	AISI 304
1.4303	X4CrNi18-12	AISI 305   308
1.4305	X8CrNiS18-9	AISI 303
1.4306	X2CrNi19-11	AISI 304L
1.4307	X2CrNi18-9	AISI 304L
1.4313	X3CrNiMo13-4	F6NM
1.4401	X5CrNiMo17-12-2	AISI 316
<b>1.4404*</b>	<b>X2CrNiMo17-12-2</b>	<b>AISI 316L</b>
1.4404	NEW: melted under vacuum	
1.4410**	X2CrNiMoN25-7-4	ASTM A182 F53
1.4418	X4CrNiMo16-5-1	
1.4429	X2CrNiMoN17-13-3	AISI 316LN
1.4435	X2CrNiMo18-14-3	AISI 316L
1.4462**	X2CrNiMoN22-5-3	AISI 318 LN
		ASTM A182 F51
1.4501	X2CrNiMoCuWN25-7-4	ASTM A182 F55
1.4539	X1NiCrMoCu25-20-5	AISI 904L
1.4541	X6CrNiTi18-10	AISI 321
1.4542*	X5CrNiCuNb16-4	AISI 630
1.4548*	X5CrNiCuNb17-4-4	AISI 630
1.4550	X6CrNiNb18-10	AISI 347
1.4571	X6CrNiMoTi17-12-2	AISI 316Ti
15-5 PH	X5CrNiCu15-5	AISI XM-12
17-4 PH*	X5CrNiCuNb16-4	AISI 630

### Tool steel

Steel grade	DIN	AISI ASTM
1.1730	C45U	AISI 1045
1.2080	X210Cr12	AISI D3
1.2083*	X40Cr14	AISI 420
1.2085	X33CrS16	AISI 420FM
1.2311	40CrMnMo7	AISI P20
1.2312	40CrMnMoS8-6	AISI P20+S
1.2316*	X36CrMo17	AISI 420
1.2343*	X37CrMoV5-1	AISI H11
1.2344*	X40CrMoV5-1	AISI H13
1.2358	60CrMoV18-5	
1.2365	32CrMoV12-28	AISI H10
1.2379*	X153CrMoV12	AISI D2
1.2436	X210CrW12	AISI D6
1.2510	100MnCrW4	AISI O1
1.2714	55NiCrMoV7	AISI L6
1.2738	40CrMnNiMo8-6-4	AISI P20+Ni
1.2767*	45NiCrMo16   X45NiCrMo4	
1.2842	90MnCrV8	AISI O2

### Creep resistant steels at elevated temperatures

Steel grade	DIN	AISI ASTM
1.0460	P250GH	ASTM A105
1.6981	21CrMoNiV4-7	
1.7335	13CrMo4-5	ASTM A182 F11
1.7380	10CrMo9-10	UNS K21390

### High-temperature resisting steel

Steel grade	DIN	AISI ASTM
1.4903	X10CrMoVNb9-1	ASTM A182 F91
		ASTM A336 F91
1.4923	X22CrMoV12-1	

### Heat-treatable steel

Steel grade	DIN	AISI ASTM
1.0503	C45	AISI 1045
1.0764	36SMn14	
1.1221	C60E	
1.6511	36CrNiMo4	AISI 4340
1.6565	40NiCrMo6	AISI 4340
1.6580	30CrNiMo8	AISI 4340
1.6582	34CrNiMo6	AISI 4340
1.6587	18CrNiMo7-6	
1.6773	36NiCrMo16	
1.6932	mod.	AISI 4330V
1.6957	26NiCrMoV14-5	AISI 4140
1.7218	25CrMo4	AISI 4130
1.7225	42CrMo4	AISI 4140
1.7707	30CrMoV9	AISI 4340
1.8159	51CrV4	AISI 6150

### High-strength structural steel

Steel grade	DIN	AISI ASTM
1.0570	S355J2G3+N	St52-3

### Nickel Alloy

Steel grade	DIN	AISI ASTM
2.4856*	Alloy 625 ESU	B443
2.4858	Alloy 825	B424

### Powder steel

#### Material

DPM450	SPM20CV
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\* available in ESR quality  
\*\* DUPLEX | SUPER DUPLEX

### Bearing steel

Steel grade	DIN	AISI ASTM
1.3505	100Cr6	AISI 52100

### Fine-grain structural steel

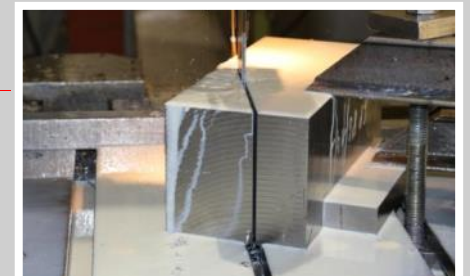
Steel grade	DIN	DIN
1.0566	TStE355	17103
1.0571	P355QH1	
1.8868	P355QL1	

### Heat resisting steel

Steel grade	DIN	AISI ASTM
1.4713	X10CrAlSi7	
1.4828	X15CrNiSi20-12	AISI309mod.
1.4841	X15CrNiSi25-21	AISI 314
1.4878	X8CrNiTi18-10	AISI 321 H

### Case hardening steels

Steel grade	DIN	AISI ASTM
1.5752	15NiCr13	AISI 3310
1.6523	20NiCrMo2	AISI 8620
1.6526	20NiCrMoS2-2	AISI 8620
1.8515	31CrMo12	
1.8519	31CrMoV9	
1.8550	34CrAlNi7-10	



# Customised sawn

On request, pre-milled on all sides

[www.stahlportal.com](http://www.stahlportal.com)



## Hot-rolled steel plates | wide flat steels

### Stainless steel

Steel grade	Thickness
1.4112   AISI 440B X90CrMoV18	8 - 55 mm
1.4301   AISI 304 X5CrNi18-10	10 - 120 mm
1.4305   AISI 303 X8CrNiS18-9	10 - 70 mm
1.4307   AISI 304L X2CrNi18-9	10 - 120 mm
1.4401   AISI 316 X5CrNiMo17-12-2	10 - 120 mm
1.4404   AISI 316L X2CrNiMo17-12-2	10 - 120 mm
1.4541   AISI 321 X6CrNiTi18-10	10 - 100 mm
1.4571   AISI 316 Ti X6CrNiMoTi17-12-2	20 - 130 mm
1.4841   AISI 314 X15CrNiSi25-21	20 - 50 mm

### Temperature resisting steel

Steel grade	Thickness
1.7335 13CrMo4-5	10 - 80 mm
1.7380 10CrMo9-10	10 - 80 mm

### Heat-treatable steel

Steel grade	Thickness
1.0503   C45	10 - 200 mm
1.0601   C60	10 - 130 mm
1.1221   C60E	10 - 130 mm
1.7225   AISI 4140 42CrMo4	15 - 100 mm <b>QT</b>

### Cementation- & Nitriding steel

Steel grade	Thickness
1.7131   1.7147 16MnCr5   20MnCr5	10 - 150 mm



## Forged & hot-rolled round bars

### Stainless steel

Steel grade	available diameters
1.4021   AISI 420   X20Cr13	Ø 60 bis Ø 1010 mm
1.4024   AISI 410-420	Ø 160 mm
1.4034   AISI 420   X46Cr13	Ø 45 bis Ø 260 mm
1.4313   X3CrNiMo13-4	Ø 75 bis Ø 1300 mm
1.4541   AISI 321   X6CrNiTi18-10	Ø 486 mm

### Temperature resisting steel

Steel grade	available diameters
1.6981   21CrMoNiV4-7	Ø 305 bis Ø 640 mm

### High-temperature resisting steel

Steel grade	available diameters
1.4923   X22CrMoV12-1	Ø 386 mm

### Heat-treatable steel

Steel grade	available diameters
1.6956   33NiCrMoV14-5	Ø 655 mm
1.7225   42CrMo4   AISI 4140	Ø 190 bis Ø 340 mm

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