Steel strip and sheet metal

Deliverable stainless steels (rustproof)
Ferritic and martensitic steels

W.No.	*Quality*	*USA AISI*
1.4000	X6CR13	410 S
1.4003	X2CrNi12	
1.4006	X12Cr13	410
1.4016	X6Cr17	430
1.4021	X20Cr13	(420)
1.4024	X15Cr13	(410)
1.4028	1X30Cr13	(420)
1.4034	X46Cr13	(420)
1.4110	X55CrMo14	
1.4113	X6CrMo17-1	434
1.4120	X20CrMo13	
1.4509	X2CrTiNb 18	441
1.4510	X3CrTi17	430 Tb
1.4511	X3CrNb17	430 Cb
1.4512	X2CrTi12	409
1.4520	X2CrTi17	
1.4521	X2CrMoTi18-2	444

Ferritic-austenitic steels

W.No.	*Quality*	*USA AISI*
1.4462	X2CrNiMoN22-5-3	

Austenitic steels

W.No.	*Quality*	*USA AISI*
1.4303	X4CrNi18-12	305
1.4306	X2CrNi19-11	304 L
1.4307	X2CrNi18-9	304 L
1.4310*	X10CrNi18-8	301
1.4401	X5CrNiMo17-12-2	316
1.4404	X2CrNiMo17-12-2	316 L
1.4435	X2CrNiMo18-14-3	316 L
1.4439	X2CrNiMoN17-13-5	317 LMN
1.4539	X1NiCrMoCuN25-20-5	(904 L)
1.4541	X6CrNiTi18-10	321
1.4550	X6CrNiNb18-10	347
1.4571	X6CrNiMoTi17-12-2	316 Ti

*Spring strip in the rigidity classes: C700, C850, C1000, C1150, C1300, C1500

Ferritic steels (heat resistant)

W.No.	*Quality*	*USA AISI*
1.4713	X10CrAlSi7	
1.4720	X7CrTi12	409
1.4724	X10CrAlSi13	
1.4742	X10CrAlSi18	
1.4762	X10CrAlSi25	(446)

Austenitic steels

W.No.	*Quality*	*USA AISI*
1.4828	X15CrNiSi20-12	309
1.4833	X12CrNi23-13	309 S
1.4841	X15CrNiSi25-20	310
1.4845	X8CrNi25-21	310 S
1.4878	X8CrNiTi18-10	321 H
1.4893	X8CrNiSiN21-11	-

The materials listed in these documents provide only a brief overview of our product range. We also offer a wide variety of additional materials and customized products tailored to your needs.

Soft, unalloyed steels DIN EN 10139 (DIN 1624)

W.No.	*Quality*
1.0330	DC01 (ST 2)
1.0347	DC03 (RRST 3)
1.0338	DC04 (ST 4)
1.0312	DC05
1.0873	DC06
1.0330	DC01 (ST 2)

Micro-alloyed steels with high yield point DIN EN 10268 (SEW 093)

W.No.	*Quality*
1.0480	HC260LA (ZSTE 260)
1.0489	HC300LA (ZSTE 300)
1.0548	HC340LA (ZSTE 340)
1.0550	HC380LA (ZSTE 380)
1.0556	HC420LA (ZSTE 420)
1.0480	HC260LA (ZSTE 260)

Soft magnetic steels "AME" DIN 17405, e.g.

W.No.	*Quality*
1.1015	RFe 60
1.1014	RFe 80
1.1013	RFe 100
1.1012	RFe 120
not normed:	
1.1016	RFe 40

Case-hardened steels DIN EN 10132-2 (DIN 17210)

W.No.	*Quality*
1.1121	C10E (CK 10)
1.1141	C15E (CK 15)
1.7016	17 CR 3
1.7131	16 MnCr 5
1.1121	C10E (CK 10)

Heat-treated steels DIN EN 10132-3 (DIN 17200)

W.No.	*Quality*
1.1151	C22E (CK 22)
1.1178	C30E (CK 30)
1.1206	C50E (CK 50)
1.1203	C55E
1.1221	C60E
1.1177	25 Mn 4
1.7218	25 CrMo 4
1.7220	34 CrMo 4
1.7225	42 CrMo 4

Spring steels DIN EN 10132-4 (DIN 17222)

W.No.	*Quality*
1.1204	C55S (CK 55)
1.1211	C60S (CK 60)
1.1231	C67S (CK 67)
1.1248	C75S (CK 75)
1.1269	C85S (CK 85)
1.1274	C100S (CK 101)
1.8159	51 CrV 4 (50 CrV 4)
1.5026	55 Si 7
1.2002	125 Cr 2

Roller bearing steels DIN 17230 / ISO 683-17, e.g.

W.No.	*Quality*
1.3505	100Cr6

High-tensile steels

W.No.	*Quality*
1.6359	X2 NiCoMo 18 8 5*
1.6358	X2 NiCoMo 18 9 5*
1.6356	X2 NiCoMoTi 18 12 4*

*Use: Aircraft construction and space technology (martensitic hardened steels)

Other steels, partly not listed in norms e.g.

W.No.	*Quality*	*Use*
1.7735	14 CrMoV 6 9	Aircraft construction
1.5919	15 CrNi 6	Parts for case-hardnesses
1.6587	17 CrNiMo 6	Parts for case-hardnesses
1.7147	20 MnCr 5	Parts for case-hardnesses
1.6523	21 NiCrMo 2	Parts for case-hardnesses
1.7709	21 CrMoV 5 7	For heat-resistant parts
1.6582	34 CrNiMo 6	Parts for heat-treating
1.7228	50 CrMo 4	Parts for heat-treating
1.2063	145 Cr 6	Cutting tools
1.2127	105 MnCr 4	Cutting tools
1.2414	120 W 4	Sawing tools
1.2442	115 W 8	Sawing tools

Treatment States:

- Cold-rolled
- annealed and cold-rolled
- cold-rolled, annealed and lightly temper-rolled
- cold-rolled, annealed and temper-rolled to a defined hardness ranges, low-tension if desired

The steels are also available in fine-blanking capable condition

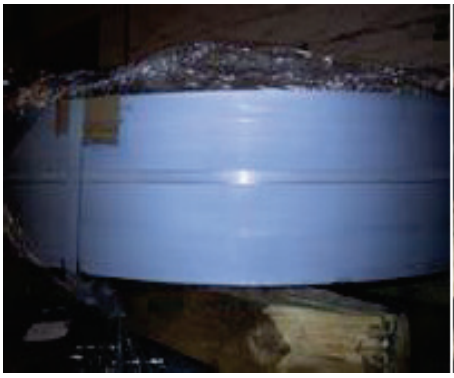
Constructions:

- Edges: cut, de-burred, rounded
- Surface: under DIN EN 10139 (DIN 1624)
- Surface types: MA (BK), MB (RP)
- Surface constructions:
- RR (raw), Ra min. 1,5 µm
- RM (flat), 0,6 <= RA <= 1,8 µm
- RL (smooth), Ra max. 0,6 µm
- Special, smooth, Ra max. 0,3µm

Dimensions and tolerances:

- Thickness: 0.30 mm – 6.00 mm
- Breadth: ca. 10 mm – ca. 400 mm
- Coil weight: up to12 kg/mm strip width
- Rods: 1000 mm - 4000 mm length
- Tolerances: DIN EN 10140 and narrower

Cold strip



Surface types	**Symbol** MA MB MC	**Construction** RR, RM, RL RM, RL RN
Surface types	**Symbol** BK RP RPG	**Construction** r, m, "smooth" m, "smooth" b
Coils – single-layer	Thickness	0,40 – 4.0 mm
	Widths	4,00 – 300 mm
	Interior diameter-Ø	300 -508 mm
	Exterior diameter-Ø	Up to 1450 mm
Coils – pack wrapping	Thickness	0,40 – 4.0
	Width	4,00- 300
	Pack width	4.0 - 100 mm
	Pack interior Ø	400 mm (300 mm by agreement)
	Pack exterior-Ø	508-1200 mm
	Pack weight	Max. 1400 kg
Surface finishing	Electrolytic bright and matt galvanized, galvanically bright and matt treated, realizable on agreement	

Precision narrow strip

Precision narrow strip is referred to as cold strip, which is temper-rolled again in single strips after the cutting/splitting process.

During the cutting process, sabre forms are generated in the strip of especially low width-thickness-ratios, which are a great disadvantage for rapid punches, automated machines, etc.
Temper-rolling of single strips improve the following properties for the consumer:

Sabre form	**Thickness 0,50 - 4,00 mm** Can be maintained to 2,00 mm / 1.000 mm achievable to 1,00 mm / 2.000 mm
Flatness	Available for customization by agreement with customer achievable to 0,10 mm / 10 mm Every cutting burr will be removed by the rolling process.
Edges	Sharp-edged / round-edge/ special edges [redacted]
Thickness tolerances	**Thickness 0,50 - 4,00 mm** Maintained to + / - 0,010 mm achievable to + / - 0,005 mm (based on final thickness/-width)
Width tolerances	**Width range 4,00 - 200 mm** Maintained to + / - 0,100 mm achievable to + / - 0,050 mm (based on final thickness/width)