



STEEL BARS

Cold drawn steel

Rolled and forged steel

Stainless steel

► Cold drawn steel

Specification:

Drawn, ground, peeled steel bars according to EN 10277 / EN 10278 or comparable standards. Various heat treatment possible (annealing, normalizing, heat treatment to achieve the needed mechanical properties, ...).

Dimensional range according to bar shape:

- Round bars 2 - 200 mm
- ⬡ Hexagonal bars: 4 - 100 mm
- Square bars: 4 - 100 mm
- ▬ Flat bars: 5 x 4 mm - 250 x 20 mm
- ▴ Special profiles and bar shapes: tear drop, moon, ... (by the agreement with the customer).

Bar length: $L = 2.000 - 8.000$ mm or by the agreement with the customer.

Tolerances: h6, h7, h8, h9, h11, k11, k13, g6, g9, f7, ... or by the agreement with the customer.

► Rolled and forged steel

Specification:

Steel available according to EN 10060 (DIN 7527-6) / EN 10025-2, EN 10060 / EN 10084, EN 10060 / EN 10083-2, EN 10059 / EN 10083-2, EN 10058 / EN 10083-2 or comparable standards.

Additional possibilities: turned steel and various heat treatment possible (annealing, normalizing, heat treatment to achieve the needed mechanical properties, ...).

Dimensional range according to bar shape:

- Round bars 20 - 800 mm
- Square bars: 20 - 400 mm
- ▬ Flat bars: 10 x 4 mm - 300 x 30 mm

Bar length: $L = 2.000 - 12.000$ mm or by the agreement with the customer.

Square and flat steel bars: various edge curving possible. Available according to EN 10058, EN 10092, or by agreement.



▷ Stainless steel

Specification:

Steel available according to EN 10060 / EN 10083, EN 10278 / EN10083, EN 10058 / EN 10088, EN 10278 / EN 10088 or comparable standards. Various heat treatment possible (annealing, normalizing, heat treatment to achieve the needed mechanical properties, ...).

Dimensional range according to bar shape:

- Round bars 3 – 300 mm
- ⬡ Hexagonal bars: 4 - 100 mm
- Square bars: 4 - 100 mm
- ▬ Flat bars: 5 x 4 mm - 250 x 20 mm

Bar length: L = 3.000 - 6.500 mm or by the agreement with the customer.

Tolerances: h9, h11, k11, k13, ... or by the agreement with the customer.

▷ Frequently used grades - qualities of commonly delivered steel bars

Free cutting steel

EN Steel designation	Werkstoffnummer
11SMn30	1.0715
11SMnPb30	1.0718
11SMn37	1.0736
11SMnPb37	1.0737
11SMnPb30 +Te+Bi	1.0720
11SMnPb37 +Te+Bi	1.0739
35S20	1.0726
46S20	1.0727
36SMnPb14	1.0765
38SMn28	1.0760
44SMnPb28	1.0763

Stainless steel

EN Steel designation	Werkstoffnummer
X6Cr17	1.4016
X20Cr13	1.4021
X30Cr13	1.4028
X46Cr13	1.4034
X14CrMoS17	1.4104
X17CrNi16-2	1.4057
X5CrNi18-10	1.4301
X2CrNi18-9	1.4307
X6CrNiTi18-10	1.4541
X8CrNiS18-9	1.4305
X5CrNiMo17-12-2-	1.4401
X6CrNiMoTi17-12-2-	1.4571
X2CrNiMo17-12-2-	1.4404
X2CrNiMoN22-5-3	1.4462
X15CrNiSi25-21	1.4841

Structural, carbon and stainless steel

EN Steel designation	Werkstoffnummer
C15E	1.1141
16MnCr5	1.7131
16MnCrS5 +Pb	1.7139
20MnCr5	1.7147
20MnCrS5	1.7149
16NiCr4	1.5714
16NiCrS4 +Pb	1.5715
C22E	1.1151
C35E	1.1181
C45E	1.1191
C45R +Pb	1.1201
C55R	1.1209
34CrS4	1.7037
41Cr4	1.7035
25CrMoS4	1.7213
34CrMoS4	1.7226
42CrMo4	1.7225
42CrMoS4 +Pb	1.7227
S235JRG2	1.0038
S355J2G3	1.0570
E335 +S	1.0060
E335GC	1.0543
C4C	1.0303
C10C	1.0214