

Hot rolled and forged steel bars

Unalloyed structural steel

Grade	Werkstoff	EN	SAE/AISI	Condition	Heattreatment	Dia / mm
S355JO	1.0553	10025	~A572 Gr. 50	rolled	untreated	16 – 300
S355J2	1.0577	10250	~A572 Gr. 50	forged	normalised	310 – 850
S355J2+N(LRS)	1.0570	10025	~A572 Gr. 50	rolled	normalised	30 – 300

Unalloyed steel for quenching and tempering

Grade	Werkstoff	EN	SAE/AISI	Condition	Heattreatment	Dia / mm
C35E	1.1181	10083	1035	rolled	untreated	20 – 200
C35R	1.1180	10083	1035	rolled	untreated	20 – 200
C45E	1.1191	10083	1045	rolled	untreated	16 – 300
C45E+N	1.1191	10250	1045	forged	normalised	310 – 850
C45R	1.1201	10083	1045	rolled	untreated	16 – 300
C60E	1.1221	10083	1060	rolled	untreated	16 – 300
C60E+N	1.1221	10250	1060	forged	normalised	310 – 700
C60R	1.1223	10083	1060	rolled	untreated	16 – 300

Alloyed steel for quenching and tempering

Grade	Werkstoff	EN	SAE/AISI	Condition	Heattreatment	Dia / mm
25CrMo4+QT	1.7218	10083	4130	rolled	Q+T	25 – 300
25CrMoS4+QT	1.7213	10083	4130	rolled	Q+T	25 – 300
42CrMo4+A	1.7225	10083	4140	rolled	Soft annealed	25 – 200
42CrMoS4+A	1.7227	10083	4140	rolled	Soft annealed	25 – 200
42CrMo4+QT	1.7225	10083	4140	rolled	Q+T	20 – 300
42CrMo4+QT	1.7225	10250	4140	forged	Q+T	310 – 850
42CrMoS4+QT	1.7227	10083	4140	rolled	Q+T	20 – 300
42CrMoS4+QT	1.7227	10250	4140	forged	Q+T	310 – 850
51CrV4+A	1.8159	10083	6150	rolled	Soft annealed	22 – 240
51CrV4+A	1.8159	10250	6150	forged	Soft annealed	250 – 350
30CrNiMo8+QT	1.6580	10083	4340	rolled	Q+T	20 – 300
30CrNiMo8+QT	1.6580	10250	4340	forged	Q+T	310 – 600
34CrNiMo6+QT	1.6582	10083	4340	rolled	Q+T	20 – 300
34CrNiMo6+QT	1.6582	10250	4340	forged	Q+T	310 – 500

Ball bearing steel

Grade	Werkstoff	EN	SAE/AISI	Condition	Heattreatment	Dia / mm
100Cr6+AC	1.3505	10084	52100	rolled	Spheroidised annealed	55 - 250

Unalloyed case hardening steel

Grade	Werkstoff	EN	SAE/AISI	Condition	Heattreatment	Dia / mm
C15E	1.1141	10084	1015	rolled	untreated	20 – 200
C15+N	1.1141		1015	rolled	normalised	20 – 200
C15R	1.1140	10084	1015	rolled	untreated	16 – 300

Alloyed case hardening steel

Grade	Werkstoff	EN	SAE/AISI	Condition	Heattreatment	Dia / mm
15CrNi6+A	1.5919	10084	3115	rolled	Soft annealed	25 – 200
17CrNi6-6+A	1.5918	10084	3115	rolled	Soft annealed	25 – 200
16MnCr5	1.7131	10084	5115	rolled	+TH, +FP, U	20 – 300
16MnCr5	1.7131		5115	forged	+TH, +FP	310 – 750
16MnCrS5	1.7139	10084	5115	rolled	+TH, +FP, U	20 – 300
16MnCrS5	1.7139		5115	forged	+TH, +FP	310 – 750
20MnCr5	1.7147	10084	5120	rolled	+TH, +FP, U	20 – 300
20MnCr5	1.7147		5120	forged	+TH, +FP	310 – 750
20MnCrS5	1.7149	10084	5120	rolled	+TH, +FP, U	20 – 300
20MnCrS5	1.7149		5120	forged	+TH, +FP	310 – 750
18CrNiMo7-6+FP	1.6587	10084	4820	rolled	+FP	40 – 300
18CrNiMo7-6+TH	1.6587		4820	forged	+TH, +FP	310 – 600

Nitridingsteel, stress relieved

Grade	Werkstoff	EN	SAE/AISI	Condition	Heattreatment	Dia / mm
31CrMoV9+QT+SR	1.8519	10084	-	rolled	Q+T, SR	30 – 300
31CrMoV9+QT+SR	1.8519		-	forged	Q+T, SR	310 – 400
34CrAlNi7-10+QT+SR	1.8550	10084	-	rolled	Q+T, SR	35 – 300
34CrAlNi7-10+QT+SR	1.8550		-	forged	Q+T, SR	310 – 350

