Steel designation		Thickness t or diameter [a] d	Heat-treatment condition [b]	Hardness	0,2 %-proof strength	Tensile strength	Elongation after fracture		Impact energy (ISO-V)	
Name	Number	mm		HBW [c] max.	$R_{p0,2}$ [d] MPa min.	R_m [d] MPa	A [d] % min. (long.)	(tr.)	KV_2 J min. (long.)	(tr.)
Special grades										
X29CrS13	1.4029	≤ 160	+A	245	-	max. 800	-	-	-	-
			+QT850	-	650	850 to 1000	9	-	-	-
X46CrS13	1.4035	≤ 63	+A	245	-	max. 800	-	-	-	-
X70CrMo15	1.4109	≤ 100	+A	280	-	max. 900	-	-	-	-
X2CrNiMoV13-5-2	1.4415	≤ 160	+QT750	-	650	750 to 900	18	-	100	-
			+QT850	-	750	850 to 1000	15	-	80	-
X53CrSiMoVN16-2	1.4150	≤ 100	+A	255	-	-	-	-	-	-
			+QT	-	-	-	-	-	-	-
X105CrMo17	1.4125	≤ 100	+A	285	-	-	-	-	-	-
X40CrMoVN16-2	1.4123	≤ 100	+A	280	-	-	-	-	-	-
			+QT	-	-	-	-	-	-	-
X90CrMoV18	1.4112	≤ 100	+A	265	-	-	-	-	-	-
For bigger sizes the mechanical values shall be agreed at the time of enquiry and order.										

[a] Width across flats for hexagons.

[b] +A = annealed, +QT = quenched and tempered.

[c] Only for guidance.

[d] For rods, only the tensile strength values apply.