

Steel designation		Thickness t or diameter ^a d mm	Heat- treatment condition ^b	Hardness HBW ^c max.	0,2 %-proof strength R _{p0,2} ^d MPa min.	Tensile strength R _m ^d MPa	Elongation after fracture A ^d % min.		Impact energy (ISO- V) KV ₂ J min.	
Name	Number						(long.)	(tr.)	(long.)	(tr.)
X4CrNiMo16-5-1	1.4418	-	+A	320	-	max. 1100	-	-	-	-
		≤ 160	+QT760	-	550	760 to 960	16	-	90	-
		160 < t ≤ 250		-	-		-	14	-	70
		≤ 160	+QT900	-	700	900 to 1100	16	-	80	-
X39CrMo17-1	1.4122	160 < t ≤ 250		-	-		-	14	-	60
		-	+A	280	-	max. 900	-	-	-	-
		≤ 60		-	-		-	-	-	-
		60 < t ≤ 160	+QT750	-	550	750 to 950	12	-	15	-
									10	-