

Steel designation		Thickness t or diameter ^b d mm	Annealed		Heat treatment condition	Quenched + tempered				
Name	Number		R_m MPa max.	HBW ^c max.		$R_{p0.2}$ MPa min.	R_m MPa	A_5^d % min. (long.)	(tr.)	KV_2 J min. (long.) (tr.)
X4CrNiMo16-5-1	1.4418	$\leq 10^e$	1150	380	+QT900	750	900 to 1200	10	-	-
		$10 < t \leq 16$	1150	380		750	900 to 1200	10	-	-
		$16 < t \leq 40$	1100	320		700	900 to 1200	12	-	-
		$40 < t \leq 63$	1100	320		700	900 to 1100	16	-	-
		$63 < t \leq 160$	1100	320		700	900 to 1100	16	-	-
		$160 < t \leq 250$	1100	320		700	900 to 1100	-	14	60
X39CrMo17-1	1.4122	$\leq 10^e$	1000	340	+QT750	650	800 to 1050	8	-	-
		$10 < t \leq 16$	1000	340		600	800 to 1050	8	-	-
		$16 < t \leq 40$	980	310		550	750 to 1000	10	-	14
		$40 < t \leq 63$	930	290		550	750 to 950	12	-	14
		$63 < t \leq 160$	900	280		550	750 to 950	12	-	10