

Table 23 — Minimum values for the 0,2 %-proof strength of martensitic steels at elevated temperatures

Steel designation		Heat treatment condition ^a	Minimum 0,2 %-proof strength (MPa) at a temperature (in °C) of						
Name	Number		100	150	200	250	300	350	400
Standard grades									
X12Cr13	1.4006	+QT650	420	410	400	385	365	355	305
X15Cr13	1.4024	+QT650	420	410	400	385	365	330	300
X20Cr13	1.4021	+QT700	460	445	430	415	395	365	330
		+ QT800	515	495	475	460	440	405	355
X17CrNi16-2	1.4057	+ QT800	515	495	475	460	440	405	355
		+ QT900	565	525	505	490	470	430	375
X3CrNiMo13-4	1.4313	+ QT650	500	490	480	470	460	450	-
		+QT780	590	575	560	545	530	515	-
		+QT900	720	690	665	640	620	-	-
X4CrNiMo16-5-1	1.4418	+QT760	520	510	500	490	480	-	-
		+QT900	660	640	620	600	580	-	-
X39CrMo17-1	1.4122	+ QT750	540	535	530	520	510	490	470
Special grade									
X2CrNiMoV13-5-2	1.4415	+QT750	620	605	595	585	580	570	560
		+QT850	710	695	680	670	660	645	635
^a +QT = quenched and tempered									

Table 24 — Minimum values for the 0,2 %-proof strength of precipitation hardening steels at elevated temperatures

Steel designation		Heat treatment condition ^a	Minimum 0,2 %-proof strength (MPa) at a temperature (in °C) of				
Name	Number		100	150	200	250	300
Standard grades							
X5CrNiCuNb16-4	1.4542	+P800	500	490	480	470	460
		+P930	680	660	640	620	600
		+P960	730	710	690	670	650
		+P1070	880	830	800	770	750
X5CrNiMoCuNb14-5	1.4594	+P930	680	660	640	620	600
		+P1000	785	755	730	710	690
Special grade							
X5NiCrTiMoVB25-15-2	1.4606	+P880	540	530	520	510	500
^a +P = precipitation hardened.							