

Table 14 — Mechanical properties for bright bars ^a at room temperature of solution annealed ^b (see Table A.2) austenitic-ferritic steels in conditions 2H, 2B, 2G or 2P

Steel designation		Thickness	Solution annealed			
Name	Number	t or diameter ^c <i>d</i> mm	R _{p0,2} MPa min.	R _m MPa	A ₅ ^d % min. (long.)	KV ₂ J min. (long.)
Standard grades						
X2CrNiN22-2 *	1.4062 *	≤ 16	600	650 to 1100	15	-
		16 < t ≤ 40	500	700 to 1100	15	-
		40 < t	500	700 to 1100	20	-
X2CrNiN23-4	1.4362	≤ 10 ^e	600	800 to 1100	12	-
		10 < t ≤ 16	600	800 to 1050	12	-
		16 < t ≤ 40	400	600 to 1000	15	100
		40 < t ≤ 63	400	600 to 1000	15	100
		63 < t ≤ 160	400	600 to 830	25	100
X2CrMnNiN21-5-1	1.4162	≤ 10 ^e	500	700 to 1050	15	-
		10 < t ≤ 16	500	700 to 1050	20	-
		16 < t ≤ 40	500	700 to 1050	20	-
		40 < t ≤ 160	450	650 to 850	30	60
X2CrMnNiMoN21-5-3	1.4482	t ≤ 160	500	≥ 800	20	60
X2CrNiMoN22-5-3	1.4462	≤ 10 ^e	650	850 to 1150	12	-
		10 < t ≤ 16	650	850 to 1100	12	-
		16 < t ≤ 40	450	650 to 1000	15	100
		40 < t ≤ 63	450	650 to 1000	15	100
		63 < t ≤ 160	450	650 to 880	25	100
X3CrNiMoN27-5-2	1.4460	≤ 10 ^e	610	770 to 1030	12	-
		10 < t ≤ 16	560	770 to 1030	12	-
		16 < t ≤ 40	460	620 to 950	15	85
		40 < t ≤ 63	460	620 to 950	15	85
		63 < t ≤ 160	460	620 to 880	20	85
Special grade						
X2CrMnNiSiN20-5-4-2 *	1.4670 *	≤20	650	800 to 1100	15	-
		20 < t ≤ 30	450	650 to 1100	15	
		≥ 30	450	650 to 900	25	60
X2CrNiMnMoCuN24-4-3-2 *	1.4662 *	≤ 10 ^e	700	900 to 1150	15	-
		10 < t ≤ 30	700	900 to 1100	20	-
		30 < t ≤ 160	450	650 to 900	25	60