Table 9 — Mechanical properties at room temperature of solution annealed [a] (see Table A.2) austenitic-ferritic steels and resistance to intergranular corrosion in conditions 1C, 1E, 1D, 1X, 1G and 2D

Steel designation		**Thickness t or diameter [b] *d***	**Hardness [c]**	**0,2 %-proof strength**	**Tensile strength**	**Elonga-tion after fracture**	**Impact energy (ISO-V)**	**Resistance to intergranular corrosion [e]**	
Name	Number	mm	HBW max.	$R_{p0,2}$ [d] MPa min.	R_m [d] MPa	A [d] % min. (long.)	KV_2 J min. (long.)	in the delivery condition	in the sensitized condition [f]
Standard grades									
X2CrNiN22-2 *	1.4062 *	≤ 160	290	380 [g]	650 to 900	30	40	yes	yes
X2CrNiN23-4	1.4362	≤ 160	260	400	600 to 830	25	100	yes	yes
X2CrMnNiN21-5-1	1.4162	≤ 160	290	400	650 to 900	25	60	yes	yes
X2CrMnNiMoN21-5-3	1.4482	≤ 160	-	400	650 to 900	25	60	yes	yes
X2CrNiMoN22-5-3	1.4462	≤ 160	270	450	650 to 880	25	100	yes	yes
X3CrNiMoN27-5-2	1.4460	≤ 160	260	450	620 to 880	20	85	yes	yes
Special grades									
X2CrCuNiN23-2-2 *	1.4669 *	≤ 160	300	400	650 to 900	25	100	yes	yes
X2CrMnNiSiN20-5-4-2 *	1.4670 *	≤ 160	320	450	650 to 900	25	60	yes	yes
X2CrNiMoSi18-5-3	1.4424	≤ 50	260	450	700 to 900	25	100	yes	yes
		50 < t ≤ 160	260	400	680 to 900	25	100	yes	yes
X2CrNiMnMoCuN24-4-3-2 *	1.4662 *	≤ 160	290	450	650 to 900	25	60	yes	yes
X2CrNiMoCuN25-6-3	1.4507	≤ 160	270	500	700 to 900	25	100	yes	yes
X2CrNiMoN25-7-4	1.4410	≤ 160	290	530	730 to 930	25	100	yes	yes
X2CrNiMoCuWN25-7-4	1.4501	≤ 160	290	530	730 to 930	25	100	yes	yes
X2CrNiMoN29-7-2	1.4477	≤ 10	310	650	800 to 1050	25	100	yes	yes
		10 < t ≤ 160	310	550	750 to 1000	25	100	yes	yes