

Table 10 — Mechanical properties at room temperature of annealed ^a (see Table A.3) ferritic steels and resistance to intergranular corrosion in conditions 1C, 1E, 1D, 1X, 1G and 2D

Steel designation		Thickness <i>t</i> or diameter ^b <i>d</i>	Hardness	0,2 %-proof strength	Tensile Strength	Elongation after fracture ^d A % min. (long.)	Resistance to intergranular corrosion ^e	
Name	Number	mm max.	HBW ^c max.	R _{p0,2} ^d MPa min.	R _m ^d MPa		in the delivery condition	in the welded condition
Standard grades								
X2CrNi12	1.4003	100	200	260	450 to 600	20	no	no
X6Cr13	1.4000	25	200	230	400 to 630	20	no	no
X6Cr17	1.4016	100	200	240	400 to 630	20	yes	no
X6CrMoS17	1.4105	100	200	250	430 to 630	20	no	no
X6CrMo17-1	1.4113	100	200	280	440 to 660	18	yes	no
X2CrMoSiS18-2-1	1.4106	100	200	240	430 to 630	15	yes	no
Special grades								
X3CrS12	1.4045	100	220	250	420 to 600	20	yes	no
X2CrTi17	1.4520	50	200	200	420 to 620	20	yes	yes
X3CrNb17	1.4511	50	200	200	420 to 620	20	yes	yes
X2CrTiNb18	1.4509	50	200	200	420 to 620	18	yes	yes
X2CrTi21 *	1.4611 *	8	200	250	430 to 630	18	yes	yes
X2CrNbCu21	1.4621	50	200	240	420 to 640	20	yes	yes
X2CrTi24 *	1.4613 *	8	200	250	430 to 630	18	yes	yes