Table 19 — Mechanical properties at room temperature of annealed wire in 2D condition [a, b]

Steel designation		Nominal dimension *d* mm	Tensile strength MPa max.	Elongation % min.
Name	Number			
Austenitic steels (+AT) [c]				
X10CrNi18-8, X2CrNi18-9, X8CrNiS18-9, X6CrNiCuS18-9-2, X3CrNiCu18-9-4, X5CrNi18-10, X6CrNiTi18-10, X2CrNi19-11, X4CrNi18-12, X8CrMnCuN17-8-3, X8CrMnNiN18-9-5, X13CrMnNiN18-13-2, X6CrMnNiN18-13-3, X2CrNiMo17-12-2, X5CrNiMo17-12-2, X6CrNiMoTi17-12-2, X2CrNiMo17-12-3, X3CrNiMo17-12-3, X2CrNiMoN18-12-4, X2CrNiMo18-14-3, X1CrNiMoCuN20-18-7, X1CrNi25-21, X1CrNiMoN25-22-2, X1NiCrMoCu25-20-5, X1NiCrMoCuN25-20-7, X1NiCrMoCu31-27-4	1.4310, 1.4307, 1.4305, 1.4570, 1.4567, 1.4301, 1.4541, 1.4306 1.4303, 1.4597, 1.4374, 1.4020, 1.4378, 1.4404, 1.4401, 1.4571, 1.4432, 1.4436 1.4434, 1.4435, 1.4547, 1.4335 1.4466, 1.4539, 1.4529, 1.4563	0,05 < d ≤ 0,10	1100	20
		0,10 < d ≤ 0,20	1050	20
		0,20 < d ≤ 0,50	1000	30
		0,50 < d ≤ 1,00	950	30
		1,00 < d ≤ 3,00	900	30
		3,00 < d ≤ 5,00	850	35
		5,00 < d ≤ 16,00	800	35
Austenitic-ferritic steels				
X2CrNiN23-4 X2CrNiMoN22-5-3 X2CrNiN22-2 * X2CrMnNiMoN21-5-3 X2CrNiMoN25-7-4 X2CrNiMoCoN28-8-5-1	1.4362 1.4462 1.4062 * 1.4482 1.4410 1.4658	0,50 < d ≤ 1,00	1050	20
		1,00 < d ≤ 3,00	1000	20
		3,00 < d ≤ 5,00	950	25
		5,00 < d ≤ 16,00	900	25
Ferritic steels (+A) [c]				
X6Cr17 X3CrNb17 X6CrMoS17 X6CrMo17-1	1.4016 1.4511 1.4105 1.4113	0,05 < d ≤ 0,10	950	10
		0,10 < d ≤ 0,20	900	10
		0,20 < d ≤ 0,50	850	15
		0,50 < d ≤ 1,00	850	15
		1,00 < d ≤ 3,00	800	15
		3,00 < d ≤ 5,00	750	15
		5,00 < d ≤ 16,00	700	20