Table 25 — Mechanical properties for bars at room temperature of steels in the cold work hardened (2H) condition

Steel designation		Tensile strength level	0,2 % proof strength	Tensile strength	Elongation after fracture
Name	Number		$R_{p0,2}$ MPa min.	R_m MPa	A % min.
Standard grades (Austenitic steels)					
X10CrNi18-8	1.4310	+C800	500	800 to 1000	12
X2CrNi18-9	1.4307	+C700 [b]	350	700 to 850	20
		+C800 [a]	500	800 to 1000	12
X8CrNiS18-9	1.4305	+C700 [b]	350	700 to 850	20
		+C800 [a]	500	800 to 1000	12
X5CrNi18-10	1.4301	+C700 [b]	350	700 to 850	20
		+C800 [a]	500	800 to 1000	12
X6CrNiTi18-10	1.4541	+C700 [b]	350	700 to 850	20
		+C800 [a]	500	800 to 1000	12
X2CrNi19-11	1.4306	+C700 [b]	350	700 to 850	20
		+C800 [a]	500	800 to 1000	12
X13MnNiN18-13-2	1.4020	+C800	650	800 to 1000	20
		+C900	750	900 to 1100	15
		+C1000	850	1000 to 1250	12
X6CrMnNiN18-13-3	1.4378	+C800	650	800 to 1000	20
		+C900	750	900 to 1100	15
		+C1000	850	1000 to 1250	12
X2CrNiMo17-12-2	1.4404	+C700 [b]	350	700 to 850	20
		+C800 [a]	500	800 to 1000	12
X5CrNiMo17-12-2	1.4401	+C700 [b]	350	700 to 850	20
		+C800 [a]	500	800 to 1000	12
X6CrNiMoTi17-12-2	1.4571	+C700 [b]	350	700 to 850	20
		+C800 [a]	500	800 to 1000	12
Standard grade (Martensitic steel)					
X14CrMoS17	1.4104	+C550 [a]	440	550 to 750	15

[a] Maximum diameter for this tensile strength level shall be agreed at the time of enquiry and order; it should not be greater than 25 mm.

[b] Maximum diameter for this tensile strength level shall be agreed at the time of enquiry and order; it should not be greater than 35 mm.