EN 10088-3:2023 (E)

Table 11 — Mechanical properties at room temperature of heat-treated (see Table A.4) martensitic steels in conditions 1C, 1E, 1D, 1X, 1G and 2D

		Thickness								
Steel designation		t or diameter ^a d	Heat-	Hardness	0,2 %-proof strength	Tensile strength	Elongation after fracture		Impact energy (ISO- V)	gy (ISO-
,	M	}	treatment condition ^b	нвм с	R _{p0,2} d	$R_{\mathrm{m}}^{\mathrm{d}}$	A d		KV_2 J	
Nallic				max.	MPa min.	MPa	min. (long.)	(tr.)	min. (long.)	(tr.)
			Stan	Standard grades			-1		-	
V4.00-40			+A	220		max. 730		,		,
X12Ur13	1.4006	s 160	+QT650		450	650 to 850	15		25	
V4 2 C + O - O C + O	, ,	-	+A	220		max. 730			,	
X12Ur313	1.4005	s 160	+QT650		450	650 to 850	12	,		,
C P. J J F A	7 00 7 7	-	+ A	220	-	max. 730	-	-	-	
A13C113	1.4024	< 160	+QT650	-	450	650 to 850	15	-	-	
		-	+A	230	-	max. 760	-	-	-	-
X20Cr13	1.4021	0217	+QT700	-	200	700 to 850	13	-	25	
		700	+QT800	-	009	800 to 950	12	-	20	
V20CV	1 4030	-	+A	245	-	max. 800	-	-	-	
A30CF13	1.4028	s 160	+QT850		650	850 to 1000	10		12	
V30Cv12	1 4021	-	+A	245	-	max. 800	-	-	-	
A39C113	1.4031	< 160	+QT800	-	929	800 to 1000	10	-	12	
21:0912	1 4024	-	+A	245	-	max. 800	-	-	-	-
A40C113	1.4034	< 160	+QT800	-	650	800 to 1000	10	-	12	
X65Cr13	1.4037	≤ 160	+A	265		840				