

Steel designation		Thickness t or diameter ^c d mm	Solution annealed			
Name	Number		R _{p0,2} MPa min.	R _m MPa	A ₅ ^d % min. (long.)	KV ₂ J min. (long.)
X2CrNiMoCuN25-6-3	1.4507	≤ 10 ^e	- ^f	- ^f	- ^f	-
		10 < t ≤ 16	- ^f	- ^f	- ^f	-
		16 < t ≤ 40	500	700 to 1050	25	100
		40 < t ≤ 63	500	700 to 900	25	100
		63 < t ≤ 160	500	700 to 900	25	100
^a Including cut lengths from wire.						
^b Initial solution treatment may be omitted if the conditions for previous hot-working and subsequent cooling have been such that the requirements for the mechanical properties of the product and the resistance to intergranular corrosion as defined in EN ISO 3651-2 are obtained.						
^c Width across flats for hexagons.						
^d Elongation A ₅ is valid only for dimensions of 5 mm and above. For smaller diameters, the minimum elongation shall be agreed upon at the time of enquiry and order.						
^e In the range 1 mm ≤ d < 5 mm valid only for rounds. The mechanical properties of non-round bars with thicknesses < 5 mm shall be agreed at the time of enquiry and order.						
^f To be agreed upon at the time of enquiry and order.						