Steel designation		Thickness t or diameter [b] d	Hard-ness [c, d]	0,2 %-proof strength	1 %-proof strength	Tensile Strength [d, e]	Elongation after fracture [d, e]		Impact energy (ISO-V)		Resistance to intergranular corrosion [f]	
Name	Number	mm	HBW max.	$R_{p0,2}$ [e] MPa min.	$R_{p1,0}$ [c,e] MPa min.	R_m MPa	A % min.		KV_2 J min.		in the delivery condition	in the sensitized condition [g]
							(long.)	(tr.)	(long.)	(tr.)		
X1CrNiMoCuNW24-22-6	1.4659	≤ 160	290	420	460	800 to 1000	50	-	90	-	yes	yes
X1CrNiMoCuN24-22-8	1.4652	≤ 50	310	430	470	750 to 1000	40	-	100	-	yes	yes
X2CrNiMnMoN25-18-6-5	1.4565	≤ 160	-	420	460	800 to 950	35	-	100	-	yes	yes
X1NiCrMoCuN25-20-7	1.4529	≤ 160	250	300	340	650 to 850	40	-	100	-	yes	yes
		160 < t ≤ 250					-	35	-	60		
X1NiCrMoCu31-27-4	1.4563	≤ 160	230	220	250	500 to 750	35	-	100	-	yes	yes
		160 < t ≤ 250					-	30	-	60		
For bigger sizes the mechanical values shall be agreed at the time of enquiry and order.												

[a] Solution treatment may be omitted if the conditions for hot working and subsequent cooling are 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.

[b] Width across flats for hexagons.

[c] Only for guidance.

[d] The maximum HB-values may be raised by 100 HBW or the tensile strength value may be raised by 200 MPa and the minimum elongation value may be lowered to 20 % for hot formed sections of ≤ 8 mm thickness.

[e] For rods, only the tensile strength values apply.

[f] When tested according to EN ISO 3651-2.

[g] See NOTE 2 to 6.4.

[h] Sensitization treatment of 15 min at 700 °C followed by cooling in air.