

Table 2-Mechanical properties at room temperature

Steel grade		Usual delivery condition <sup>a,b</sup> (Heat treatment symbol)	Product thickness t mm	Yield strength R <sub>eH</sub> Mpa min	Tensile strength R <sub>m</sub> Mpa	Elongation after fracture A % min.
Steel name	Steel number					
11MnNi5-3	1.6212	+N(+NT)	≤30	285	420 to 530	24
			30<t≤50	275		
			50<t≤80	265		
13MnNi6-3	1.6217	+N(+NT)	≤30	355	490 to 610	22
			30<t≤50	345		
			50<t≤80	335		
15NiMn6	1.6228	+N or+NT or+QT	≤30	355	490 to 640	22
			30<t≤50	345		
			50<t≤80	335		
12Ni14	1.5637	+N or+NT or+QT	≤30	355	490 to 640	22
			30<t≤50	345		
			50<t≤80	335		
X12Ni5	1.5680	+N or+NT or+QT	≤30	390	530 to 710	20
			30<t≤50	380		
X8Ni9 +NT640 <sup>a</sup>	1.5662 +NT640 <sup>a</sup>	+N plus+NT	≤30	490	640 to 840	18
			30<t≤50	480		
X8Ni9 +NT640 <sup>a</sup>	1.5662 +NT640 <sup>a</sup>	+QT	≤30	490		
			30<t≤50	480		
X8Ni9 +QT640 <sup>a</sup>	1.5662 +QT680 <sup>a</sup>	+QT <sup>c</sup>	≤30	585	680 to 820	18
			30<t≤50	575		
X7Ni9	1.5663	+QT <sup>c</sup>	≤30	585	680 to 820	18
			30<t≤50	575		