

THE PERFORMANCE PORTFOLIO FOR STRENX STEEL PLATE, STRIP, TUBE AND SECTIONS

Strenx hot rolled plate products							
Name	Thickness range [mm]	Yield strength $R_{p0.2}$, min [MPa]	Tensile strength $R_{m,min}$ [MPa]	Elongation A_5 , min %	Bendability Minimum punch radius R/t, transverse to rolling direction, $8 \leq t < 15$ mm	CET/CEV _{Typical} Plate at t = 10 mm	Impact toughness [J] at -40°C
Strenx 700	4-53	700	780-930	14	1.5	0.29/0.43	69
	(53)-100	650	780-930	14			
	(100)-160	650	710-900	14			
Strenx 900	4-53	900	940-1100	12	2.5	0.36/0.55	27
	(53)-100	830	880-1100	12			
Strenx 960	4-53	960	980-1150	12	2.5	0.36/0.55	40
	(53)-100	850	900-1100	10			
Strenx 1100	4-(5)	1100	1250-1550	8	3.0	0.36/0.55	27
	5-40	1100	1250-1550	10			
Strenx 1300	4-10	1300	1400-1700	8	4.0	0.42/0.65	27

Strenx hot rolled strip products							
Name	Thickness range [mm]	Yield strength $R_{p0.2}$, min [MPa]	Tensile strength $R_{m,min}$ [MPa]	Elongation A_5 , min %	Bending radius [R/t] $3 < t \leq 6$ mm	CET/CEV _{Typical}	Impact toughness [J] at -40°C
Strenx 600 MC	2-10	600	650-820	16	1.1	0.21/0.33	27
Strenx 650 MC	2-10	650	700-880	14	1.2	0.22/0.34	27
Strenx 700 MC	2-10	700	750-950	12	1.2	0.25/0.39	27
Strenx 700 MC Plus	3-12	700	750-950	13	1.0	0.24/0.38	40 (-60°C)
Strenx 900 MC	3-10	900	950/1200	8	3.0	0.25/0.50	27
Strenx 960 MC	3-10	960	1000-1250	7	3.5	0.28/0.51	27
Strenx 1100 MC	3-8	1100	1250-1500	6	4.0	0.30/0.50	27 (-20°C)

Strenx cold rolled products							
Name	Thickness range [mm]	Yield strength $R_{p0.2}$, min [MPa]	Tensile strength $R_{m,min}$ [MPa]	Elongation A_{80} , min %	Bending radius [R/t]	CET/CEV _{Typical}	Impact toughness [J] at -20°C
Strenx 700 CR	0.7/2.1	700	1000-1200	7	2.0	0.29/0.40	
Strenx 960 CR	0.7/2.1	960	1200-1400	3	3.5	0.28/0.39	
Strenx 1100 CR	0.7/2.1	1100	1300-1500	3	3.5	0.30/0.41	

Strenx tubes and sections							
Name	Wall thickness [mm]	External dimensions [mm]	Yield strength $R_{p0.2}$, min [MPa]	Tensile strength $R_{m,min}$ [MPa]	Elongation A_5 , min %	CET/CEV _{Typical}	Impact toughness [J] at -20°C
Strenx Tube 700	3-10	33.7 - 323.9 30 x 30 - 300 x 300 50 x 30 - 400 x 200	700	750-950	10	0.24/0.38	40
Strenx Tube 900	4-6	76.1 - 219.1 70 x 70 - 160 x 160 80 x 60 - 200 x 120	900	930-1200	7	0.25/0.50	40
Strenx Tube 960	4-6	76.1 - 219.1 70 x 70 - 160 x 160 80 x 60 - 200 x 120	960	980-1250	6	0.28/0.51	40
Strenx Section 650	2.5-10		650	700-880	12	0.22/0.34	40
Strenx Section 700	3-10		700	750-950	12	0.24/0.38	40
Strenx Section 900	3-6		900	930-1200	8	0.28/0.51	40

Strenx properties are covered by Strenx guarantees. For information about individual grades, please refer to the documentation available at ssab.com or from your SSAB sales contact. SSAB reserves the right to change specifications without prior notice. The tables are for reference only. The product data sheet assigned to a specific product holds all valid and guaranteed properties.