

THE PERFORMANCE PORTFOLIO FOR STRENX® STEEL SHEET, PLATE, TUBES AND SECTIONS

Strenx® performance steel sheet							
Strenx® hot rolled							
Product	Thickness range [mm]	Yield strength Rp02 min [MPa]	Tensile strength Rm [MPa]	Elongation A5 min t ≥ 3 mm [%]	Impact toughness Charpy V min [J/°C]	Bending min inner radius/t both directions 3 ≤ t < 6 mm	Carbon Equivalent CET/CEV typ t=6 mm [%]
Strenx® 100XF	2-10	100 [ksi]	110 [ksi] min	15 [A50]	20 [ft-lbs]/-40	1.2	0.24/0.35
Strenx® 110XF	2-10	110 [ksi]	118 [ksi] min	15 [A50]	20 [ft-lbs]/-40	1.2	0.26/0.39
Strenx® 600 MCD	2-10	600	650-820	16	40/-20	1.1	0.21/0.33
Strenx® 600 MCE	2-10	600	650-820	16	27/-40	1.1	0.21/0.33
Strenx® 650 MCD	2-10	650	700-850	14	40/-20	1.2	0.22/0.34
Strenx® 650 MCE	2-10	650	700-850	14	27/-40	1.2	0.22/0.34
Strenx® 700 MCD	2-8	700	750-950	12	40/-20	1.2	0.25/0.39
Strenx® 700 MCD	8.1-10	680	750-950	12	40/-20	...	...
Strenx® 700 MCE	2-8	700	750-950	12	27/-40	1.2	0.25/0.39
Strenx® 700 MCE	8.1-10	680	750-950	12	27/-40	...	...
Strenx® 700 MC Plus	3-8	700	750-950	13	40/-60	1.0	0.24/0.38
Strenx® 700 MC Plus	8.1-12	680	750-950	13	40/-60	...	...
Strenx® 900 MC	3-8	900	930-1200	8	27/-40	3.0	0.25/0.50
Strenx® 900 MC	8.1-10	900	930-1200	8	27/-40	3.5	...
Strenx® 900 Plus	2-8	900	940-1100	11	27/30/-40	3.0	0.34/0.50
Strenx® 960 MC	3-10	960	980-1250	7	27/-40	3.5	0.28/0.51
Strenx® 960 Plus	2-8	960	980-1150	10	27/30/-40	3.5	0.34/0.50
Strenx® 1100 MC	3-8	1100	1250-1450	7	27/-40	4.0	0.33/0.56

Strenx® cold rolled						
Product	Thickness range [mm]	Yield strength Rp02 min [MPa]	Tensile strength Rm [MPa]	Elongation A80 min [%]	Bending min inner radius/t both directions [mm]	Carbon Equivalent CET/CEV max [%]
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® performance steel plate							
Product	Thickness range [mm]	Yield strength Rp02 min [MPa]	Tensile strength Rm min [MPa]	Elongation A5 min [%]	Impact toughness Charpy V min [J/°C]	Bending min inner radius/t trans/long 8 ≤ t < 15 [mm]	Carbon Equivalent CET/CEV max t=10 mm [%]
Strenx® 100	4.8-63.5	100 [ksi]	110-130 [ksi]	16 [A50]	50 [ft-lbs]/-40	1.5/2.0	0.32/0.49
Strenx® 100	(63.5)-101.6	94 [ksi]	110-130 [ksi]	14 [A50]	50 [ft-lbs]/-40	...	...
Strenx® 100	(101.6)-127	94 [ksi]	102-130 [ksi]	14 [A50]	50 [ft-lbs]/-40	...	...
Strenx® 700 E	4-53	700	780-930	14	69/-40	1.5/2.0	0.32/0.49
Strenx® 700 E	(53)-100	650	780-930	14	69/-40	...	...
Strenx® 700 E	(100)-160	650	710-900	14	69/-40	...	...
Strenx® 700 F	4-53	700	780-930	14	27/-60	1.5/2.0	0.29/0.43
Strenx® 700 F	(53)-100	650	780-930	14	27/-60	...	...
Strenx® 700 F	(100)-130	650	710-900	14	27/-60	...	...
Strenx® 700 OME	4-130	700	780-930	14	69/-40	1.5/2.0	0.38/0.57
Strenx® 900 E	4-53	900	940-1100	12	27/-40	2.5/3.0	0.39/0.58
Strenx® 900 E	(53)-100	830	880-1100	12	27/-40	...	...
Strenx® 900 F	4-53	900	940-1100	12	27/-60	2.5/3.0	0.39/0.58
Strenx® 900 F	(53)-80	830	880-1100	12	27/-60	...	...
Strenx® 960 E	4-53	960	980-1150	12	40/-40	2.5/3.0	0.38/0.58
Strenx® 960 E	(53)-100	850	900-1100	10	40/-40	...	...
Strenx® 1100 E	4-(5)	1100	1250-1550	8	27/-40	...	...
Strenx® 1100 E	5-40	1100	1250-1550	10	27/-40	3.0/3.5	0.42/0.73
Strenx® 1100 F	4-(5)	1100	1250-1550	8	27/-60	...	...
Strenx® 1100 F	5-40	1100	1250-1550	10	27/-60	3.0/3.5	0.42/0.73
Strenx® 1300 E	4-10	1300	1400-1700	8	27/-40	4.0/4.5	0.43/0.67
Strenx® 1300 F	4-10	1300	1400-1700	8	27/-60	4.0/4.5	0.43/0.67

Strenx® performance steel tubes and sections									
Product	Wall thickness [mm]	External dimensions [mm]			Yield strength Rp02 min [MPa]	Tensile strength Rm [MPa]	Elongation A5 min [%]	Impact Toughness [J/°C]	CET/CEV typical [%]
		Circular	Square	Rectangular					
Strenx® tube 700 MH	3-10	33.7-323.9	30x30-300x300	50x30-400x200	700	750-950	10	40/-20	0.24/0.38
Strenx® tube 700 MLH	2-10	33.7-323.9	30x30-300x300	50x30-400x200	700	750-950	10	27/-50	0.24/0.38
Strenx® tube 900 MH	4-6	76.1-219.1	70x70-160x160	80x60-200x120	900	930-1200	7	40/-20	0.25/0.50
Strenx® tube 960 MH	4-6	76.1-219.1	70x70-160x160	80x60-200x120	960	980-1250	6	40/-20	0.28/0.51
Strenx® section 650	2.5-10	...	...	...	650	700-880	12	40/-20	0.22/0.34
Strenx® section 700	3-10	...	...	...	700	750-950	12	40/-20	0.24/0.38
Strenx® section 900	3-6	...	...	...	900	930-1200	8	40/-20	0.28/0.51

Also available Strenx® tube 770 QLH. External dimensions, circular 76.1-133 mm

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.

STRENX® 薄板、钢板、管材和型材的高性能产品组合

Strenx® 高强度薄钢板							
Strenx® 热轧							
产品	厚度范围 [mm]	屈服强度 Rp02 最小值 [MPa]	抗拉强度 Rm [MPa]	延伸率 A5 最小值 t ≥ 3 mm [%]	冲击韧性 夏比 V 型 最小值 [J/°C]	最小折弯内径/t 双向 3 ≤ t < 6 mm	碳当量 CET/CEV 典型值 t=6 mm [%]
Strenx® 100XF	2-10	100 [ksi]	110 [ksi] 最小值	15 [A50]	20 [ft-lbs]/-40	1.2	0.24/0.35
Strenx® 110XF	2-10	110 [ksi]	118 [ksi] 最小值	15 [A50]	20 [ft-lbs]/-40	1.2	0.26/0.39
Strenx® 600 MCD	2-10	600	650-820	16	40/-20	1.1	0.21/0.33
Strenx® 600 MCE	2-10	600	650-820	16	27/-40	1.1	0.21/0.33
Strenx® 650 MCD	2-10	650	700-850	14	40/-20	1.2	0.22/0.34
Strenx® 650 MCE	2-10	650	700-850	14	27/-40	1.2	0.22/0.34
Strenx® 700 MCD	2-8	700	750-950	12	40/-20	1.2	0.25/0.39
Strenx® 700 MCD	8.1-10	680	750-950	12	40/-20	...	...
Strenx® 700 MCE	2-8	700	750-950	12	27/-40	1.2	0.25/0.39
Strenx® 700 MCE	8.1-10	680	750-950	12	27/-40	...	...
Strenx® 700 MC Plus	3-8	700	750-950	13	40/-60	1.0	0.24/0.38
Strenx® 700 MC Plus	8.1-12	680	750-950	13	40/-60	...	...
Strenx® 900 MC	3-8	900	930-1200	8	27/-40	3.0	0.25/0.50
Strenx® 900 MC	8.1-10	900	930-1200	8	27/-40	3.5	...
Strenx® 900 Plus	2-8	900	940-1100	11	27/30/-40	3.0	0.34/0.50
Strenx® 960 MC	3-10	960	980-1250	7	27/-40	3.5	0.28/0.51
Strenx® 960 Plus	2-8	960	980-1150	10	27/30/-40	3.5	0.34/0.50
Strenx® 1100 MC	3-8	1100	1250-1450	7	27/-40	4.0	0.33/0.56

Strenx® 冷轧						
产品	厚度范围 [mm]	屈服强度 Rp02 最小值 [MPa]	抗拉强度 Rm [MPa]	延伸率 A80 最小值 [%]	最小折弯内径/t 双向 [mm]	碳当量 CET/CEV 最大值 [%]
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® 高强度钢板							
产品	厚度范围 [mm]	屈服强度 Rp02 最小值 [MPa]	抗拉强度 Rm 最小值 [MPa]	延伸率 A5 最小值 [%]	冲击韧性 夏比 V 型 最小值 [J/°C]	最小折弯内径/t 纵向/横向 8 ≤ t < 15 [mm]	碳当量 CET/CEV 最大值 t=10 mm [%]
Strenx® 100	4.8-63.5	100 [ksi]	110-130 [ksi]	16 [A50]	50 [ft-lbs]/-40	1.5/2.0	0.32/0.49
Strenx® 100	(63.5)-101.6	94 [ksi]	110-130 [ksi]	14 [A50]	50 [ft-lbs]/-40	...	...
Strenx® 100	(101.6)-127	94 [ksi]	102-130 [ksi]	14 [A50]	50 [ft-lbs]/-40	...	...
Strenx® 700 E	4-53	700	780-930	14	69/-40	1.5/2.0	0.32/0.49
Strenx® 700 E	(53)-100	650	780-930	14	69/-40	...	...
Strenx® 700 E	(100)-160	650	710-900	14	69/-40	...	...
Strenx® 700 F	4-53	700	780-930	14	27/-60	1.5/2.0	0.29/0.43
Strenx® 700 F	(53)-100	650	780-930	14	27/-60	...	...
Strenx® 700 F	(100)-130	650	710-900	14	27/-60	...	...
Strenx® 700 OME	4-130	700	780-930	14	69/-40	1.5/2.0	0.38/0.57
Strenx® 900 E	4-53	900	940-1100	12	27/-40	2.5/3.0	0.39/0.58
Strenx® 900 E	(53)-100	830	880-1100	12	27/-40	...	...
Strenx® 900 F	4-53	900	940-1100	12	27/-60	2.5/3.0	0.39/0.58
Strenx® 900 F	(53)-80	830	880-1100	12	27/-60	...	...
Strenx® 960 E	4-53	960	980-1150	12	40/-40	2.5/3.0	0.38/0.58
Strenx® 960 E	(53)-100	850	900-1100	10	40/-40	...	...
Strenx® 1100 E	4-(5)	1100	1250-1550	8	27/-40	...	...
Strenx® 1100 E	5-40	1100	1250-1550	10	27/-40	3.0/3.5	0.42/0.73
Strenx® 1100 F	4-(5)	1100	1250-1550	8	27/-60	...	...
Strenx® 1100 F	5-40	1100	1250-1550	10	27/-60	3.0/3.5	0.42/0.73
Strenx® 1300 E	4-10	1300	1400-1700	8	27/-40	4.0/4.5	0.43/0.67
Strenx® 1300 F	4-10	1300	1400-1700	8	27/-60	4.0/4.5	0.43/0.67

Strenx® 高强度管材和型材									
产品	管壁厚度 [mm]	外部尺寸 [mm]			屈服强度 Rp02 最小值 [MPa]	抗拉强度 Rm [MPa]	延伸率 A5 最小值 [%]	冲击韧性 [J/°C]	CET/CEV 典型值 [%]
		圆管	方管	矩管					
Strenx® 管材 700 MH	3-10	33.7-323.9	30x30-300x300	50x30-400x200	700	750-950	10	40/-20	0.24/0.38
Strenx® 管材 700 MLH	2-10	33.7-323.9	30x30-300x300	50x30-400x200	700	750-950	10	27/-50	0.24/0.38
Strenx® 管材 900 MH	4-6	76.1-219.1	70x70-160x160	80x60-200x120	900	930-1200	7	40/-20	0.25/0.50
Strenx® 管材 960 MH	4-6	76.1-219.1	70x70-160x160	80x60-200x120	960	980-1250	6	40/-20	0.28/0.51
Strenx® 型材 650	2.5-10	...	...	...	650	700-880	12	40/-20	0.22/0.34
Strenx® 型材 700	3-10	...	...	...	700	750-950	12	40/-20	0.24/0.38
Strenx® 型材 900	3-6	...	...	...	900	930-1200	8	40/-20	0.28/0.51

此外还可供应 Strenx® 管材 770 QLH。外部尺寸：圆形 76.1-133 mm

Strenx® 性能符合 Strenx® 保证标准。如需不同等级钢材的具体信息，请登录 ssab.com 网站参考相关文档，或联系您的 SSAB 销售部联系人。SSAB 保留更改产品规格的权利，恕不另行通知。表格仅供参考。特定产品的产品数据表包括全部有效的性能保证。