

Strenx[®] 100 XF is a thermomechanically rolled steel, made for cold forming, with a minimum yield strength of 100 ksi (100,000 psi). Strenx[®] 100 XF is produced by SSAB the producers of Docol Tube R8.

Strenx[®] 100 XF is produced in thicknesses from .079" – 0.393"

Typical Mechanical Properties

Thickness	Tensile Strength min.	Yield Strength min.	Elongation min. % in 2"	Min. inner bending radius for a 90° bend
0.08" - 0.14"	110,000 psi	100,000 psi	15%	0.8 x thickness
0.14" - 0.24"	110,000 psi	100,000 psi	15%	1.2 x thickness
0.24" - 0.39"	110,000 psi	100,000 psi	15%	1.6 x thickness

Chemical Analysis – Percent by Weight

C	Si	Mn	P	S	Al	Nb ²⁾	V ²⁾	Ti ²⁾
.12 (max)	.21 (max)	2.1 (max)	.025 (max)	.010 (max)	.015 (min)	.09 (max)	.20 (max)	.15 (max)

Strenx[®] 100 XF has good welding, cold forming and cutting performance, offering a great substitute for 4130 Chrome Moly Sheets. Strenx[®] 100 XF being both strong and formable, eliminates the need for annealed or normalized conditions. Strenx[®] 100 XF is a cold forming steel not suited for heat treatments. Heat treating may result in the material losing its guaranteed mechanical properties.

Strenx[®] 100 XF are stocked in widths ranging from 52" to 60" and 120" in length.

The best pricing is always when you order full sheets, which can be cut for economical shipping methods. A.E.D. also offers "cut-to-size" pieces.

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