

CREEP RESISTANT STEELS

Available Product Shapes

Long Products

Product Description

Screws and bolts for power plant applications.

Properties

Creep resisting austenitic steel. Usual upper temperature limit for continuous operating 650°C.

Material designation		
	1.4986	SEL
X7CrNiMoBNb16-16		EN
X8CrNiMoBNb16-16		

Chemical composition

C	Si	Mn	Cr	Mo	Ni	Nb	B
0.06	0.40	1.20	16.50	1.80	16.50	≥ 10°C	0.07

Thermal Expansions

Temperature (°C / °F)	100 / 212	200 / 392	300 / 572	400 / 752	500 / 932	600 / 1112	700 / 1292	800 / 1472
Thermal expansion (10 ⁻⁶ m / (m.K) / 10 ⁻⁶ inch / (inch.F))	15.7 / 8.722	16.7 / 9.278	17.1 / 9.5	17.4 / 9.667	17.6 / 9.778	17.8 / 9.889	18 / 10	18.7 / 10.389

For more information see www.voestalpine.com/boehler-edelstahl

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ONE STEP AHEAD.