

COLD WORK STEELS

Available Product Shapes

Long Products

Product Description

Various components for hard crushing, bulk material handling, ore dressing and processing equipment, such as crusher jaws, impact bars, impact plates, hammers, breaker plates, grizzly bars, liners, elevator buckets, dredger teeth, scraper teeth, bucket links, track rollers, chain rollers, etc.

Properties

Austenitic manganese steel maintaining its characteristic properties by work hardening under impact and compressive stresses. Therefore it is not comparable with the hardenable steels in this form.

Material designation		
1.3401	SEL	
X120Mn12	EN	
~SCMNH2	JIS	
~SCMNH3		

Chemical composition

C	Si	Mn
1.23	0.40	12.50

Physical Properties at 20°C / 68°F

Thermal Expansions

Temperature (°C / °F)	100 / 212	200 / 392	300 / 572	400 / 752	500 / 932
Thermal expansion (10 ⁻⁶ m/(m.K) / 10 ⁻⁶ inch/(inch.F))	18.2 / 10.111	19.4 / 10.778	20.8 / 11.556	21.7 / 12.056	20.8 / 11.556

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

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ONE STEP AHEAD.