

HEAT TREATABLE CORROSION RESISTANT STEELS

Available Product Shapes

Plates

Product Description

BÖHLER M315 is a corrosion resistant mould frame / bolster steel with a significantly improved machinability.

Properties

- Good toughness & ductility
- High wear resistance
- Very good machinability
- Good dimensional stability
- Good corrosion resistance
- No heat treatment necessary
- Pre-paid

Chemical composition

C	Si	Mn	S	Cr	Ni
0.05	0.40	0.90	0.12	12.50	+

Material characteristics

	Corrosion resistance	Machinability in as supplied condition	Polishability	Toughness	Wear resistance
BÖHLER M315	★★	★★★★★	★	★★	★★
BÖHLER M300	★★★★	★★★	★★	★★★	★★★★
BÖHLER M303	★★★★	★★★	★★★★★	★★★★★	★★★★
BÖHLER M303 HIGH HARD	★★★	★★	★★★★★	★★★	★★★★
BÖHLER M314	★★	★★★★	★	★★	★★

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))	10.25 / 5.694	10.72 / 5.956	11.14 / 6.189	11.58 / 6.433	12.02 / 6.678

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

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