

HARDENABLE CORROSION RESISTANT STEELS

Available Product Shapes

Plates

Product Description

BÖHLER M368 MICROCLEAN is a martensitic chromium steel produced with powder metallurgy. Due to its alloying concept, this steel offers high wear resistance, high toughness and high corrosion resistance – the perfect combination for best application properties.

Properties

- High toughness & ductility
- High wear resistance
- Good machinability
- Very good dimensional stability
- Mirror finish polishability
- Very high corrosion resistance
- Very high micro-cleanliness

Chemical composition

C	Si	Mn	Cr	Mo	V	N
0.54	0.45	0.40	17.30	1.10	0.10	+

Material characteristics

	Corrosion resistance	Machinability in as supplied condition	Polishability	Toughness	Wear resistance
BÖHLER M368 MICROCLEAN®	★★★★★	★★★	★★★★★	★★★	★★★
BÖHLER M310 ISOPLAST®	★★★★★	★★★★★	★★	★★	★★
BÖHLER M333 ISOPLAST®	★★★★★	★★★★★	★★★★★	★★★★★	★★
BÖHLER M340 ISOPLAST®	★★★	★★★	★★	★★	★★★
BÖHLER M390 MICROCLEAN®	★★	★	★★★	★★	★★★★★
BÖHLER M398 MICROCLEAN®	★★	★	★★★	★★	★★★★★
BÖHLER M380 ISOPLAST®	★★★★★	★★★★★	★★★★★	★★★★★	★★★

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))	10.3 / 5.722	10.82 / 6.011	11.2 / 6.222	11.56 / 6.422	11.87 / 6.594

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

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ONE STEP AHEAD.