

# HARDENABLE CORROSION RESISTANT STEELS

## Available Product Shapes

Long Products

## Product Description

BÖHLER M398 MICROCLEAN is a martensitic chromium steel produced with powder metallurgy. Due to its alloying concept this steel offers extremely high wear resistance and high corrosion resistance – the perfect combination for highly wear-resistant tools.






## Properties

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

## Chemical composition

C	Si	Mn	Cr	Mo	V	W
2.70	0.50	0.50	20.00	1.00	7.20	0.70

## Material characteristics

	Corrosion resistance	Machinability in as supplied condition	Polishability	Toughness	Wear resistance
	★★	★	★★★	★★	★★★★★
	★★★★	★★★★	★★	★★	★★
	★★★★★	★★★★	★★★★★	★★★★★	★★
	★★★	★★★	★★	★★	★★★
	★★★★	★★★	★★★★	★★★★	★★★
	★★	★	★★★	★★	★★★★

**Physical Properties at 20°C / 68°F**

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**Thermal Expansions**

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Temperature (°C / °F)	100 / 212	200 / 392	300 / 572	400 / 752	500 / 932
Thermal expansion (10 <sup>-6</sup> m/(m.K) / 10 <sup>-6</sup> inch/(inch.F))	10.4 / 5.778	10.6 / 5.889	10.9 / 6.056	11.2 / 6.222	11.5 / 6.389

For more information see [www.voestalpine.com/boehler-edelstahl](http://www.voestalpine.com/boehler-edelstahl)

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ONE STEP AHEAD.