

PLASTIC MOULD STEELS - HEAT TREATABLE STEELS AND PRECIPITATION HARDENING STEELS

Available Product Shapes

Plates

Product Description

BÖHLER M238 is a hardened and tempered, not corrosion resistant plastic mould steel. Because of the Ni-addition, there is no hardness decrease in the center of large sizes (up to 600 mm). A special melting technology offers good machinability.

Properties

Very high toughness & ductility

High wear resistance

Good machinability

Good dimensional stability

Mirror finish polishability

No heat treatment necessary

Pre-paid

Material designation		Standards	
1.2738	SEL	4957	EN ISO
40CrMnNiMo8-6-4	EN		

Chemical composition

C	Si	Mn	Cr	Mo	Ni
0.38	0.30	1.50	2.00	0.20	1.10

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))	11.88 / 6.6	12.44 / 6.911	13 / 7.222	13.45 / 7.472	13.85 / 7.694

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

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ONE STEP AHEAD.