

CASE HARDENING STEELS

Available Product Shapes

Long Products

Product Description

Large and medium sized-moulds with intricate cavities.

Properties

High toughness & ductility

High wear resistance

Good machinability

Good dimensional stability

Very good polishability

Material designation	
1.2764	SEL
X19NiCrMo4	EN

Chemical composition

C	Si	Mn	Cr	Mo	Ni
0.19	0.25	0.30	1.30	0.20	4.10

Material characteristics

	Etchability	Grindability	Machinability in as supplied condition	Polishability	Through hardenability	Toughness	Wear resistance
BÖHLER M130							
BÖHLER M121							
ISO PLAST®							
BÖHLER E105							
BÖHLER E108							

Physical Properties at 20°C / 68°F

Thermal Expansions

Temperature (°C / °F)	100 / 212	200 / 392	300 / 572	400 / 752	500 / 932	600 / 1112
Thermal expansion (10 ⁻⁶ m/(m.K) / 10 ⁻⁶ inch/ (inch.F))	11.1 / 6.167	12.1 / 6.722	12.9 / 7.167	13.5 / 7.5	13.9 / 7.722	14.1 / 7.833

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

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ONE STEP AHEAD.