

COLD WORK STEELS

Available Product Shapes

Plates

Product Description

Highly stressed coining tools, cutlery dies, hobbing tools, cold shear blades for heavy - gauge material, plastic moulds.

Properties

Cold work tool steel with high toughness and full hardenability, also large dimensions. High impact strength and compressive strength. For oil and air hardening. Good polishability.

Material designation		Standards	
1.2767	SEL	4957	EN ISO
45NiCrMo16	EN		
SKT6	JIS		

Chemical composition

C	Si	Mn	Cr	Mo	Ni
0.48	0.23	0.40	1.30	0.25	4.00

Material characteristics

	Compressive strength	Dimensional stability during heat treatment	Toughness	Wear resistance abrasive
BÖHLER K600	★	★★★	★★★★★	★
BÖHLER K305	★★★★★	★★★	★★	★★★★★
BÖHLER K306	★★★★	★★★	★★★★	★★★
BÖHLER K313	★★★★	★★★	★★★	★★★
BÖHLER K320	★★★	★★★	★★★	★★★
BÖHLER K329	★★★	★★★	★★★★	★★★★
BÖHLER K601	★	★★★	★★★★	★★
BÖHLER K605	★	★★★	★★★★	★★

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 / 6.111	12.5 / 6.944	13 / 7.222	13.5 / 7.5	14 / 7.778

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

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ONE STEP AHEAD.