

HOT WORK TOOL STEELS

Available Product Shapes

Plates

Product Description

Tools for the rod – and tube extrusion, forming dies , bending – and embossing tools, plastic moulds.

Properties

Die block steel for oil and air hardening with excellent toughness and through hardening characteristics.

Material designation		Standards	
1.2714	SEL	4957	EN ISO
~T61206	UNS	G4404	JIS
55NiCrMoV7	EN		
~L6	AISI		
~SKT4	JIS		

Chemical composition

C	Si	Mn	Cr	Mo	Ni	V
0.55	0.25	0.75	1.10	0.50	1.70	0.10

Material characteristics

	High temperature strength	High temperature toughness	High temperature wear resistance	Machinability
BÖHLER W500	★★	★★★★	★	★★★
BÖHLER W300 ISODISC®	★★	★★★★	★★	★★★★★
BÖHLER W302 ISODISC®	★★★	★★★★	★★★	★★★★★
BÖHLER W303 ISODISC®	★★★★	★★★★	★★★★	★★★★★

Physical Properties at 20°C / 68°F

Thermal Expansions

Temperature (°C / °F)	100 / 212	200 / 392	300 / 572	400 / 752	500 / 932	600 / 1112	700 / 1292
Thermal expansion (10 ⁻⁶ m/(m.K) / 10 ⁻⁶ inch/(inch.F))	12.5 / 6.944	13.1 / 7.278	13.4 / 7.444	13.9 / 7.722	14 / 7.778	14.3 / 7.944	14.5 / 8.056

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

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