

COLD WORK STEELS

Available Product Shapes

Plates

Product Description

Cutting tools (dies and punches), blanking and punching tools, threading tools, woodworking tools, machine knives for the timber, paper and metal industries, measuring tools and gauges, moulds for the plastics industry.

Properties

Tool steel for oil hardening with minimum size change.

Material designation		Standards	
1.2510	SEL	4957	EN ISO
T31501	UNS	A681	ASTM
100MnCrW4	EN		
O1	AISI		
~SKS3	JIS		

Chemical composition

C	Si	Mn	Cr	V	W
0.95	0.25	1.10	0.55	0.10	0.55

Material characteristics

	Compressive strength	Dimensional stability during heat treatment	Toughness	Wear resistance abrasive
BÖHLER K460	★★★★	★	★★★★★	★★
BÖHLER K245	★★	★	★★★★★	★
BÖHLER K455	★★★	★	★★★★★	★
BÖHLER K720	★★	★	★★★★★	★

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))	11.5 / 6.389	12 / 6.667	12.2 / 6.778	12.5 / 6.944	12.8 / 7.111

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

voestalpine BÖHLER Edelstahl GmbH & Co KG

Mariazeller Straße 25

8605 Kapfenberg, AT

T. +43/50304/20-0

E. info@boehler-edelstahl.at

www.voestalpine.com/boehler-edelstahl

voestalpine

ONE STEP AHEAD.