

# COLD WORK STEELS

## Available Product Shapes

Plates

## Product Description

Cutting tools (dies and punches), blanking and punching tools, thread rolling dies, shear blades.

## Properties

Air hardening cold work tool steel with good dimensional stability, high resistance to wear and good machining properties.

Material designation		Standards	
1.2363	SEL	4957	EN ISO
~T30102	UNS		
X100CrMoV5	EN		
~X100CrMoV5-1			
A2	AISI		
SKD12	JIS		

## Chemical composition

C	Si	Mn	Cr	Mo	V
1.00	0.30	0.55	5.20	1.10	0.25

## Material characteristics

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

**Physical Properties at 20°C / 68°F**

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**Thermal Expansions**

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Temperature (°C / °F)	100 / 212	200 / 392	300 / 572	400 / 752	500 / 932
Thermal expansion (10 <sup>-6</sup> m/(m.K) / 10 <sup>-6</sup> inch/(inch.F))	12 / 6.667	12.1 / 6.722	11.9 / 6.611	11.6 / 6.444	11.7 / 6.5

For more information see [www.voestalpine.com/boehler-edelstahl](http://www.voestalpine.com/boehler-edelstahl)

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ONE STEP AHEAD.