

# COLD WORK STEELS

## Available Product Shapes

Long Products

## Product Description

Clamping tools (e.g. collet chucks, arbors), shear blades, punches, screwdrivers, nail sets, expanding mandrels, ejector pins, center punches, nail punches.

## Properties

Cold work tool steel possessing good resistance to abrasion, and excellent elasticity.

Material designation	
1.2101	SEL
62SiMnCr4	EN

## Chemical composition

C	Si	Mn	Cr
0.63	1.10	1.10	0.60

## Material characteristics

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

## 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 <sup>-6</sup> m/(m.K) / 10 <sup>-6</sup> inch/(inch.F))	12.4 / 6.889	12.1 / 6.722	12.6 / 7	12.8 / 7.111	13 / 7.222

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

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ONE STEP AHEAD.