

# Cold Work Tool Steel BM1.1730

1.1730 is a cold work hardenable tool steel. Its hardenability comes from a special normalizing process which it has gone through. Also seen in the plastic mold steels group in applications used as mold holders.

<b>W.No</b>	1.1730
<b>DIN</b>	C45 W
<b>AISI / SAE</b>	1045
<b>JIS</b>	-

## Chemical Composition

0.42-0.50 % C	0.15-0.40 % Si	0.60-0.80 % Mn
≤0.030 % P	≤0.030 % S	-

## Applications

1.1730 is used as a mold holder in plastic molds. It is also used in uncured components, blow molding, mould frames.

## Heat Treatment Properties

<b>Normalization °C</b>	1050-800
<b>Soft Annealing °C</b>	650-710
<b>Delivery Hardness HB 30</b>	max. 190

<b>Hardness</b>		<b>Hardening Range</b>
<b>Austenitizing °C</b>	<b>Cooling</b>	<b>HRC</b>
800-830	Oil	58

<b>Tempering °C</b>	100	200	300	400	500
<b>HRC</b>	58	54	48	-	-

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