

→ W.NR.:	1.2365 (EN ISO 4957)
→ EN / DIN:	32CrMoV12-28
→ AISI:	~ H10

### → CHEMICAL COMPOSITION (W%)

C	Si	Mn	Cr	Mo	V
0.32	0.25	0.30	2.95	2.80	0.55

→ DELIVERY CONDITION: soft annealed with a hardness of <229 HB

→ PROCESS: conventional

### → HEAT TREATMENT

<b>soft annealing</b>	<b>cooling</b>	<b>hardness (HB)</b>
780-810 °C	furnace	<229
<b>hardening</b>	<b>quenching</b>	<b>hardness (HRC)</b>
1010-1050 °C	air, oil, warm bath 450-550 ° C	52-56

### → PROPERTIES

Very good wear and tempering resistance at high temperatures typical for working with aluminium. Water-cooling during operation may also be used. It can be nitrated.

### → APPLICATION

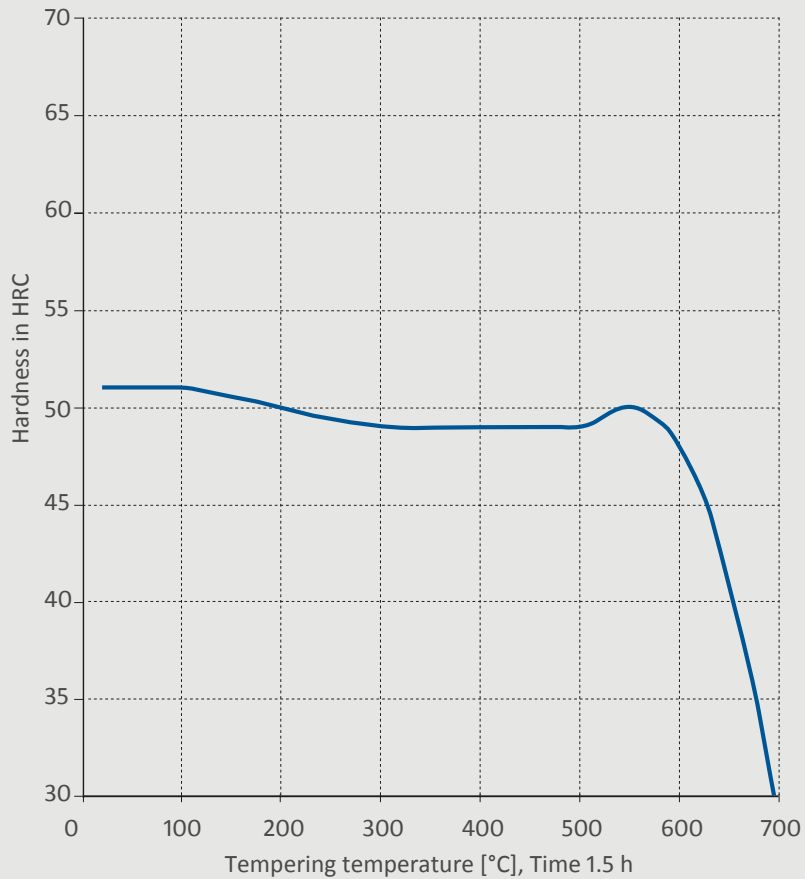
Various dies, inserts, jigs, pressure plates for the extrusion of aluminium, copper and steel. For the die-casting of aluminium and copper. Various recipients. Tools for forging machines (matrices, pins) for copper. Tools for making screws, nuts and rivets. Also for the cold forming of plastics, hobing. Usual working hardness of between 38 and 50 HRC.

### → ULTRASOUND EXAMINATION

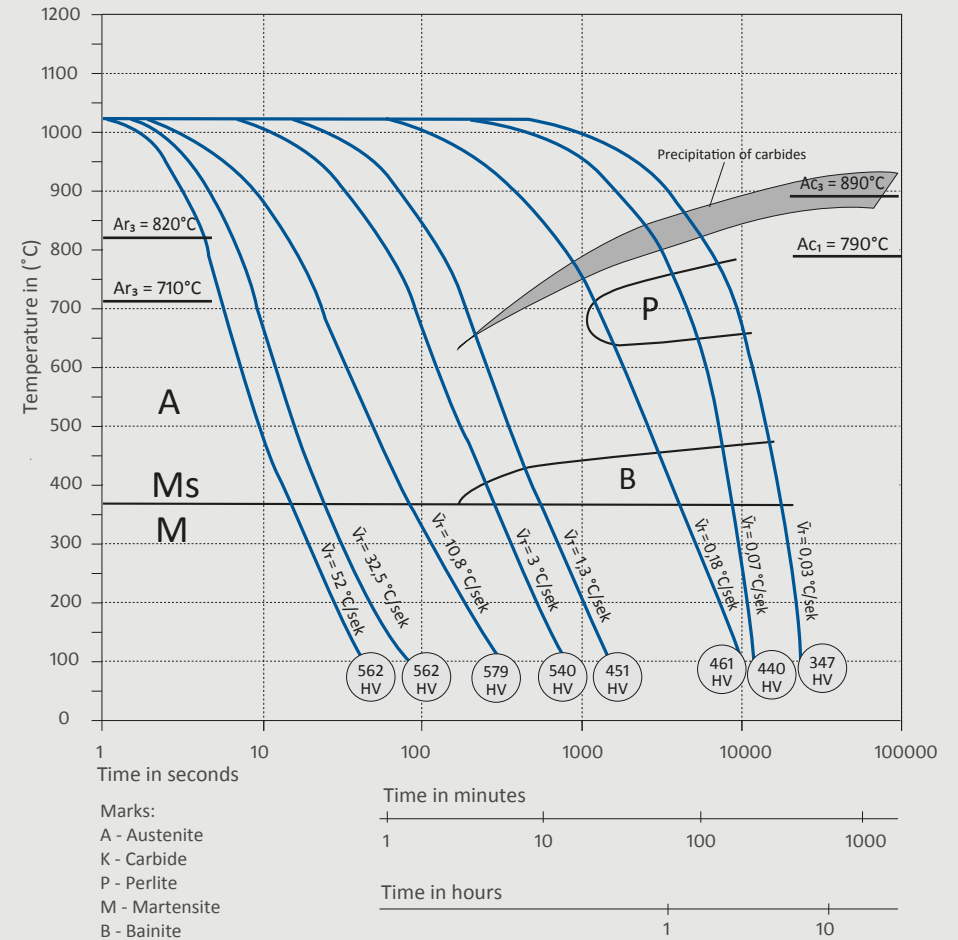
EN 10228-3 art.2-4

# HOT WORK TOOL STEEL

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