

→ W.NR.:	1.2550
→ EN / DIN:	60WCrV7
→ AISI:	~ S1

→ CHEMICAL COMPOSITION (W%)

C	Si	Mn	Cr	W	V
0.60	0.85	0.30	1.05	1.45	0.15

→ DELIVERY CONDITION: soft annealed with a hardness of <225 HB

→ PROCESS: conventional

→ HEAT TREATMENT

soft annealing	cooling	hardness (HB)
710-750 °C	furnace	<225
hardening	quenching	hardness (HRC)
860-900 °C	oil, warm bath 180-220 ° C	60

→ PROPERTIES

This shock and impact-resistant steel is tough and wear-resistant for both hot (medium-high temperatures) and cold work applications. Resistant working edges. The steel has a mean hardenability (up to 60 mm in oil). Good stability after heat treatment.

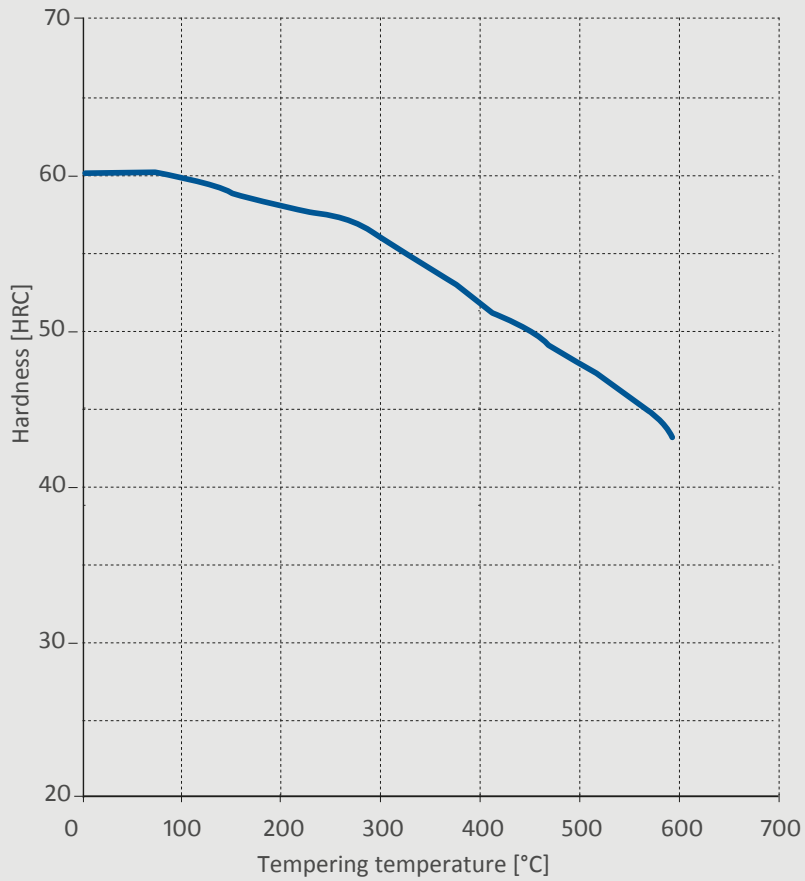
→ APPLICATION

Tool steel for cold and hot work applications. For the processing of thicker and softer plates (matrices, punches) up to 12 mm. Coining and pneumatic tools. Trimming dies. Cold piercing punches. Chipping knives. Profile shear blades. Ejectors. Woodworking tools. Pneumatic and hand tools. Drawing dies for semi-finished products. Tools for hot-work with moderate temperature stresses. Working hardness of 50 to 56 HRC.

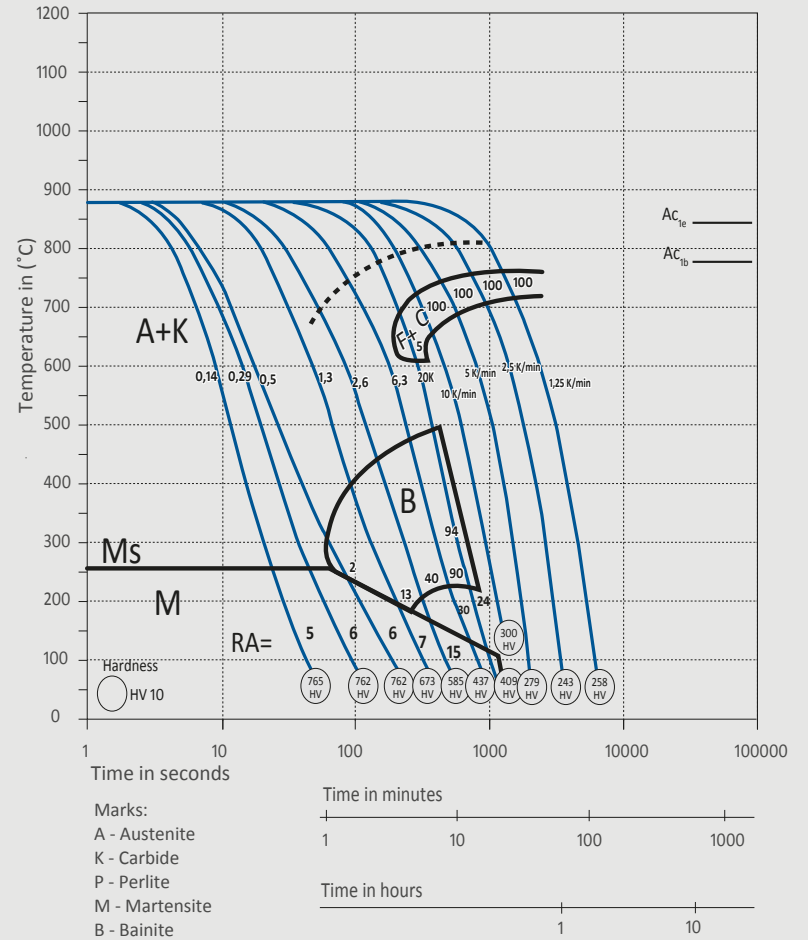
→ ULTRASOUND EXAMINATION

EN 10228-3 art.2-4

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