is|invest-steel

COLD WORK TOOL STEEL

→ 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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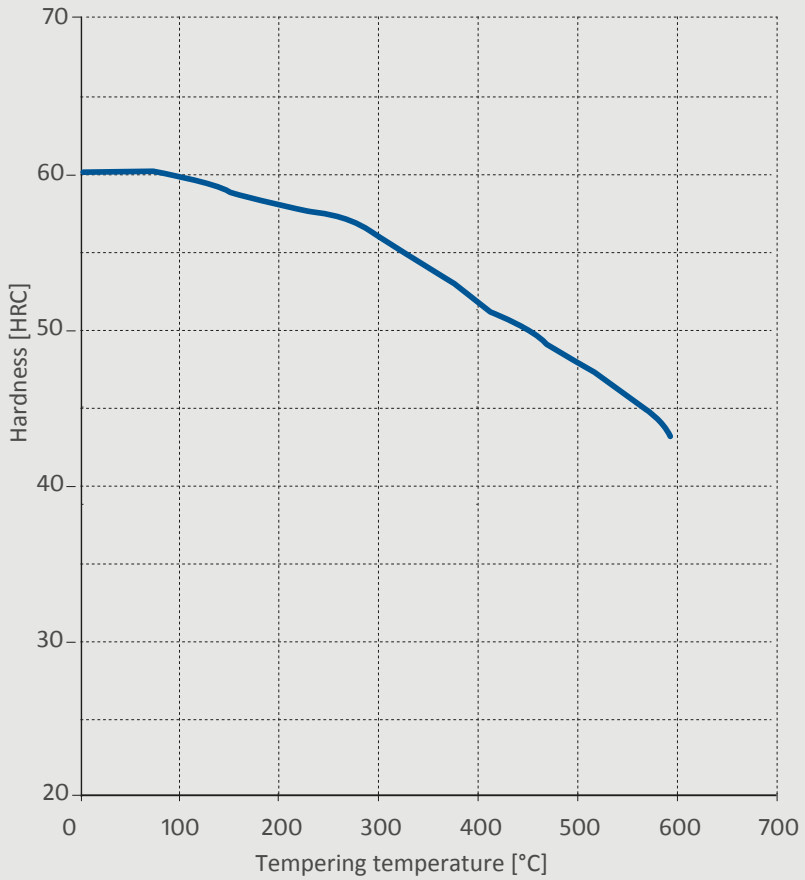

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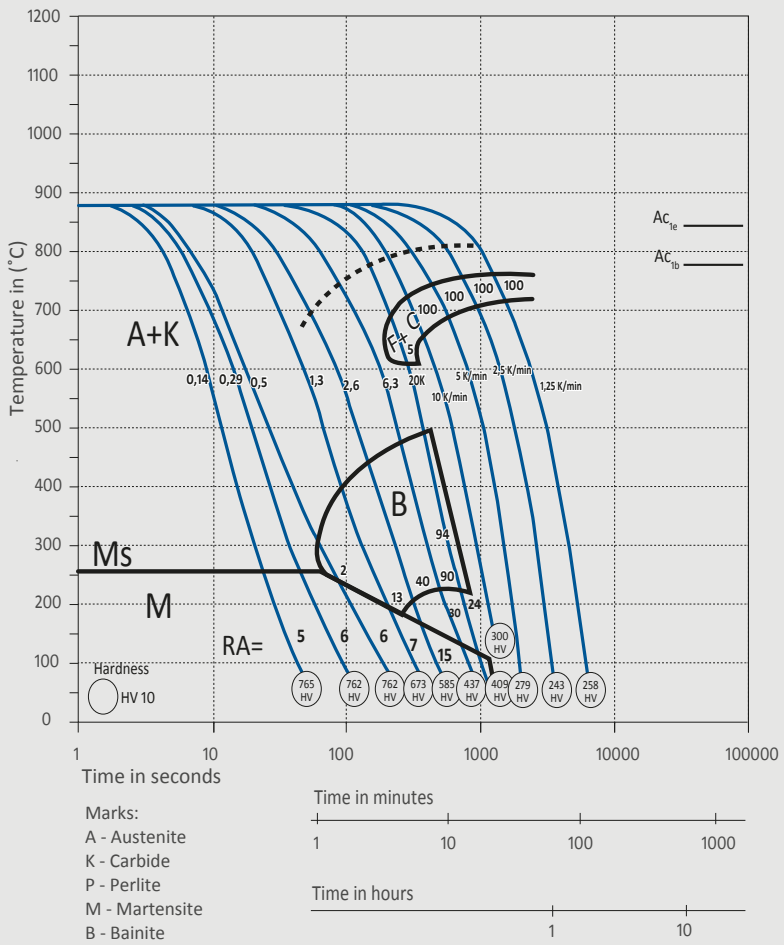

Marks:
A - Austenite
K - Carbide
P - Perlite
M - Martensite
B - Bainite

DISCLAIMER
The information and data presented herein are typical or average values and are not a guarantee of maximum or minimum values. Applications specifically suggested for material described herein are made solely for the purpose of illustration to enable the reader to make his own evaluation and are not intended as warranties, either express or implied, of fitness for these or other purposes. There is no representation that the recipient of this literature will receive updated editions as the become available.