

→ W.NR.:	1.2343 EFS (EN ISO 4957)
→ EN / DIN:	X37CrMoV5-1
→ AISI:	H11

→ CHEMICAL COMPOSITION (W%)

C	Si	Mn	Cr	Mo	V
0.38	1.00	0.40	5.10	1.25	0.40

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

→ PROCESS: conventional, Extra fine structure - EFS

→ HEAT TREATMENT

soft annealing	cooling	hardness (HB)
800-840 °C	furnace	<229
hardening	quenching	hardness (HRC)
1000-1040 °C	air, oil, warm bath 500-550 ° C	50-56

→ PROPERTIES

High tempering resistance and toughness in hot applications. The toughness of this steel is slightly greater than that of RS 411. The steel is well-hardened . Water-cooling during operation may also be used. It can be nitrated.

→ APPLICATION

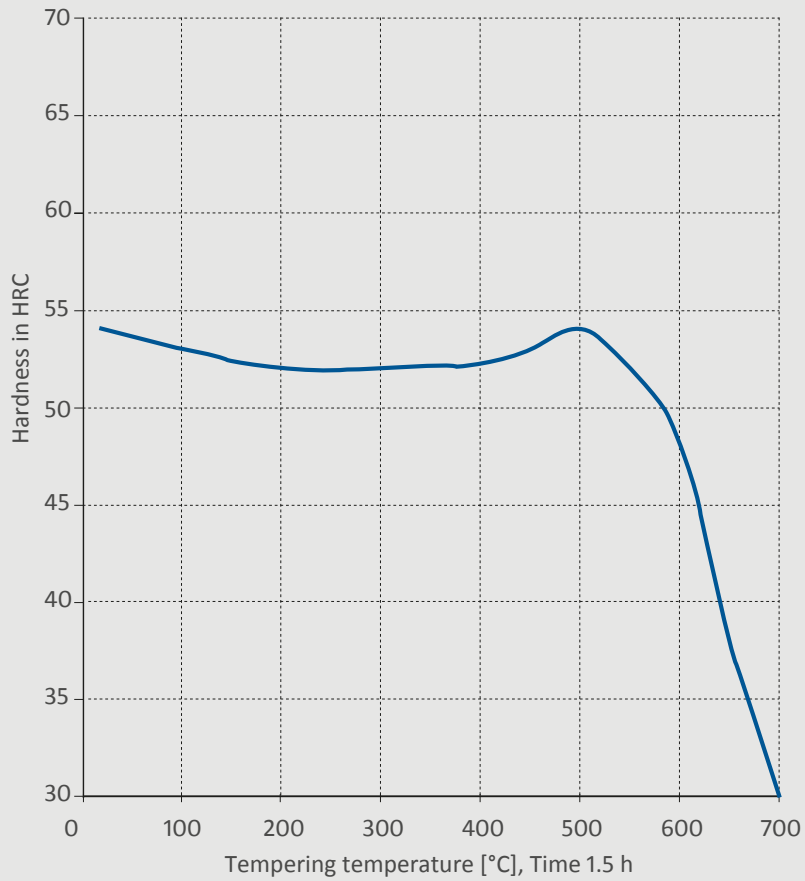
For the production of tools for the die casting of aluminium and zinc, for die forging and aluminium extrusion: pressure plates, pistons, recipients, die holders. For plastics processing with the option to polish. Blades for shredding waste rubber. Usual working hardness of between 42 and 48 HRC.

→ ULTRASOUND EXAMINATION

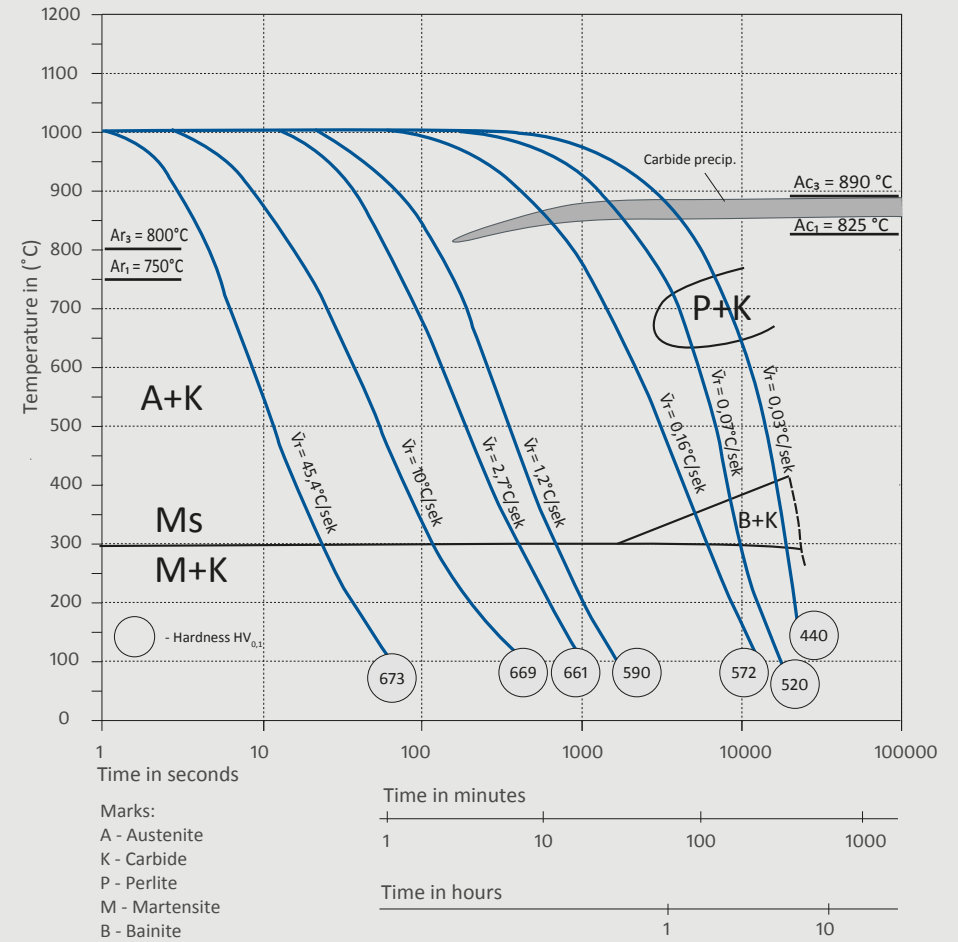
EN 10228-3 art.2-4, SEP1921 E/e

HOT WORK TOOL STEEL

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cct



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