

→ W.NR.:	1.2367 ESR (EN ISO 4957)
→ EN / DIN:	X38CrMoV5-3
→ AISI:	/

→ CHEMICAL COMPOSITION (W%)

C	Si	Mn	Cr	Mo	V
0.38	0.40	0.40	5.00	3.00	0.55

→ DELIVERY CONDITION: soft annealed with a hardness of <235 HB

→ PROCESS: electro slag remelted - ESR

→ HEAT TREATMENT

soft annealing	cooling	hardness (HB)
800-840 °C	furnace	<235
hardening	quenching	hardness (HRC)
1030-1080 °C	air, oil, warm bath 500-550 ° C	53-57

→ PROPERTIES

Very good tempering resistance and toughness. High strength in hot applications. Better impact strength compared to RS 400 and RS 410. For the general processing of light alloys. Water-cooling during operation may also be used. It can be nitrated.

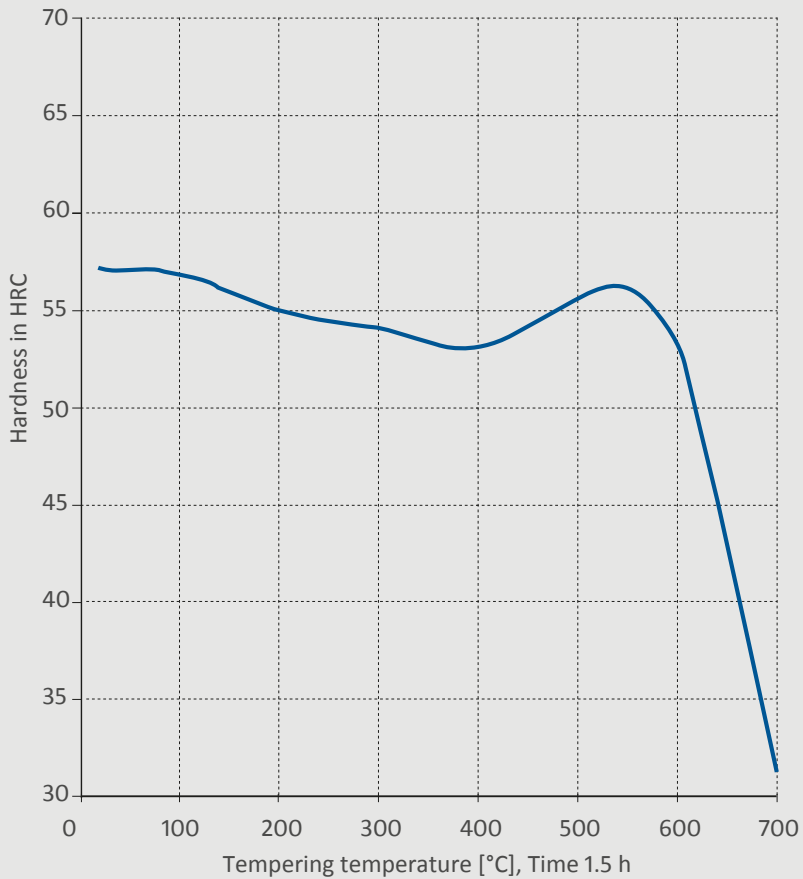
→ APPLICATION

Tools for die casting, such as cores and core pushers for aluminium, large tools for pressing, drop cartridges for presses, and blades. Tools for extrusion of aluminium and copper (inner sleeves). Usual working hardness of between 42 and 50 HRC.

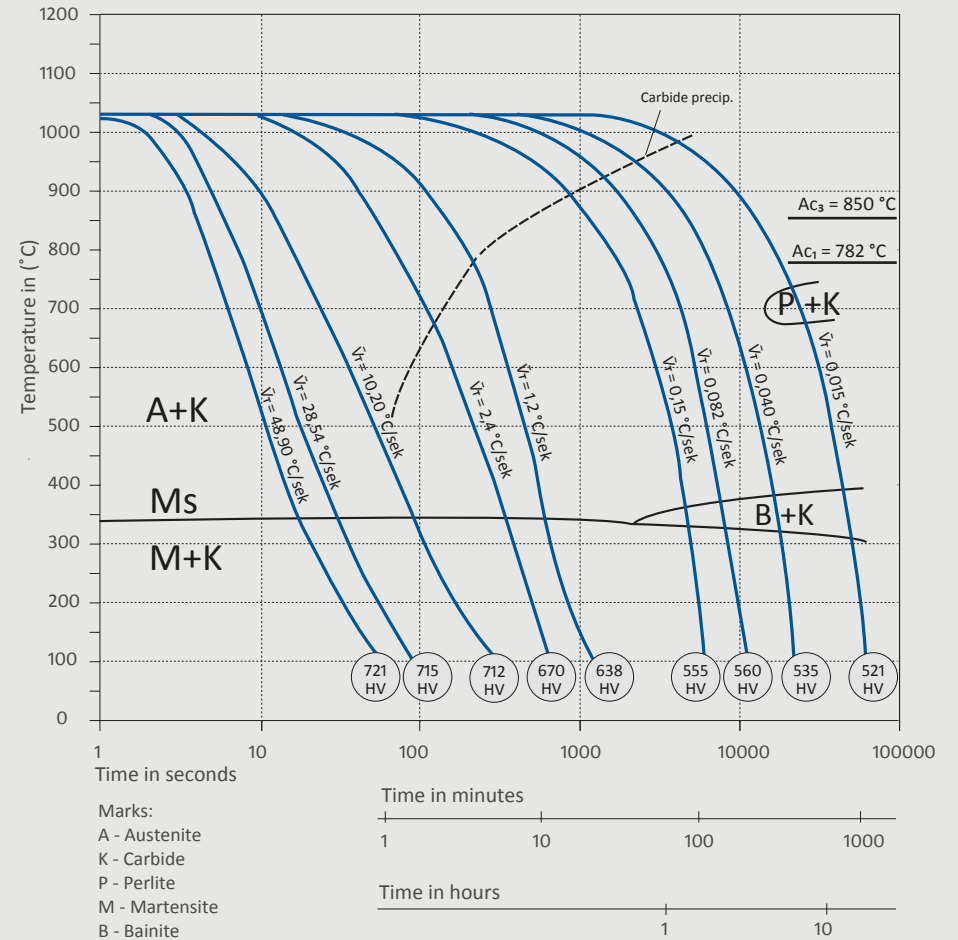
→ ULTRASOUND EXAMINATION

EN 10228-3 art.2-4

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DISCLAIMER

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