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|-------------|--------------------------|
| → W.NR.: | 1.2367 EFS (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: conventional, Extra fine structure - EFS

→ 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. Great strength in hot applications. For the general processing of light alloys. Water-cooling during operation may also be used. It can be nitrated.

→ APPLICATION

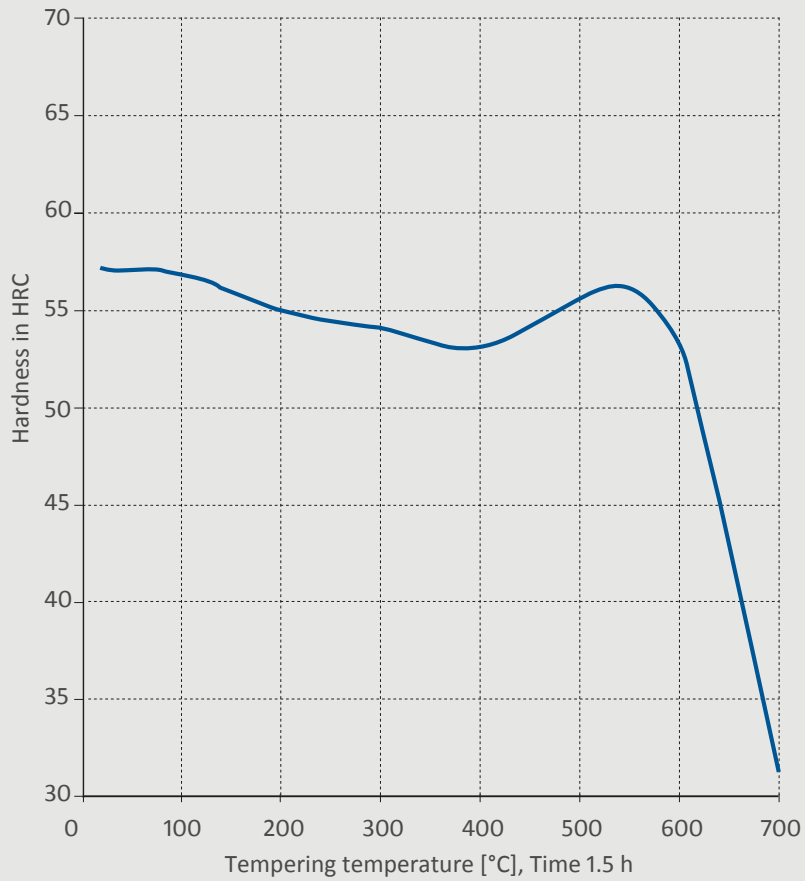
Tools for die casting such as cores and core pushers for aluminium, large tools for pressing, drop cartridges for presses, and blades. Tools for extrusion of aluminium and copper (inner sleeves). Usual working hardness of between 42 and 50 HRC.

→ ULTRASOUND EXAMINATION

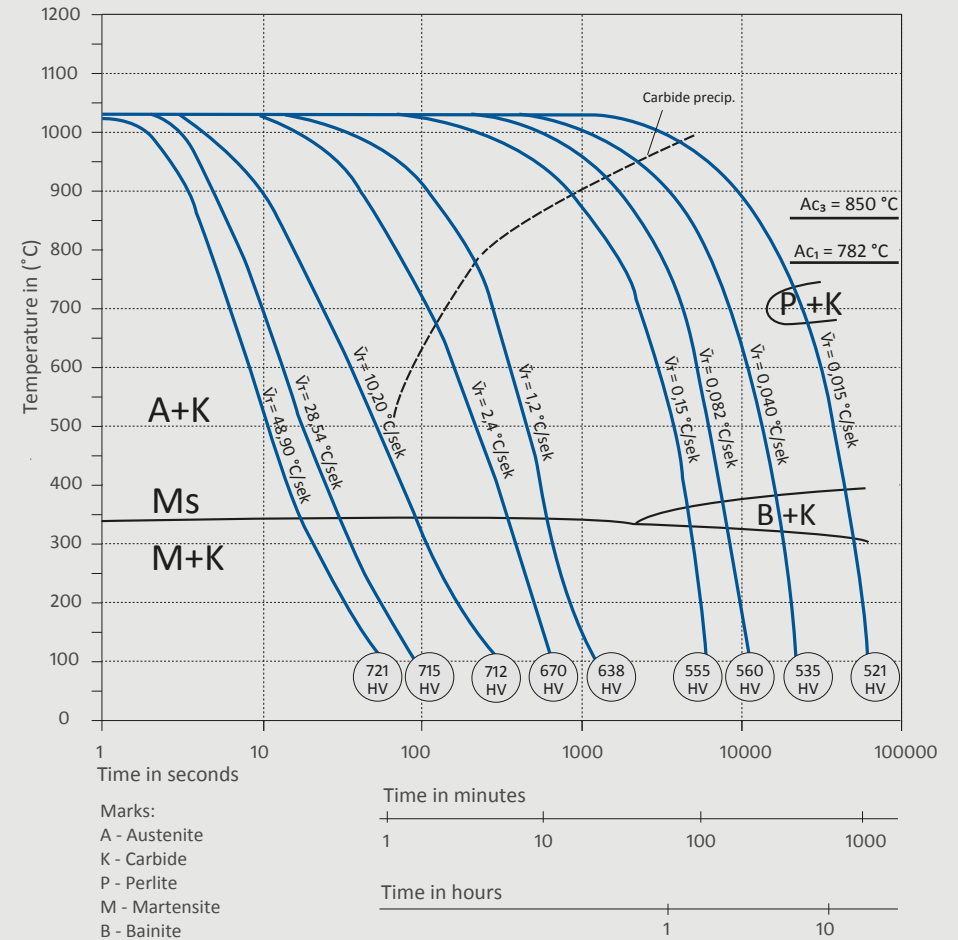
EN 10228-3 art.2-4

HOT WORK TOOL STEEL

tt



cct



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