

→ W.NR.:	1.2363 (EN ISO 4957)
→ EN / DIN:	X100CrMoV5
→ AISI:	A2

→ CHEMICAL COMPOSITION (W%)

C	Si	Mn	Cr	Mo	V
1.00	0.30	0.55	5.20	1.05	0.20

→ DELIVERY CONDITION: soft annealed with a hardness of <230 HB

→ PROCESS: conventional

→ HEAT TREATMENT

soft annealing	cooling	hardness (HB)
800-840 °C	furnace	<230
hardening	quenching	hardness (HRC)
930-970 °C	oil, air, thermal bath 500-550 ° C	63

→ PROPERTIES

High wear resistance and good toughness to prevent gross cracking. This steel offers good tempering resistance. It can be hardened in the air. Its lower Cr content and higher C content increase its workability and grinding ability compared to conventional 12 % Cr ledeburite steels (RS 200, RS 201, etc.). Highly dimensionally stable after heat treatment.

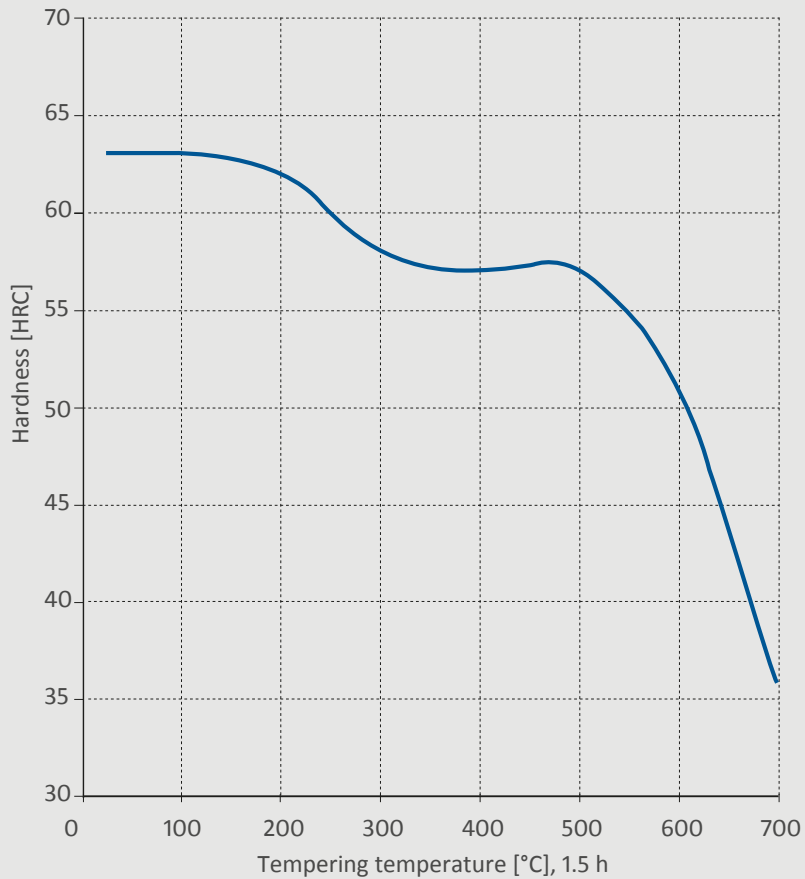
→ APPLICATION

Tool steel for cold and hot work applications. Tools for stamping (up to 6 mm aluminium, copper plates or strips), bending, deep drawing, circular, straight and trimming shears, various guide bushes, profile cylinders (sheet metal profiling), moulds for abrasive plastics. Tools for threading. Tools for cold forming. Suitable for applications requiring high abrasion resistance. Can be used for die-casting tools. Work areas: 54 (58) to 62 HRC.

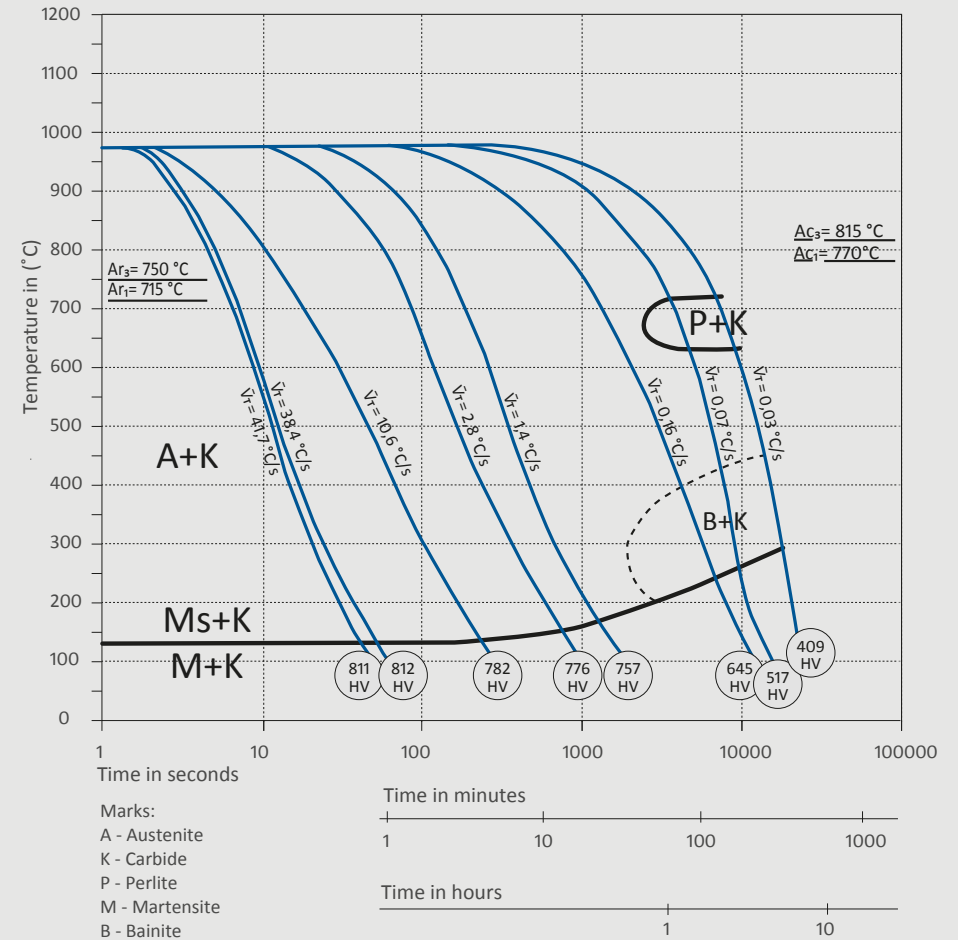
→ ULTRASOUND EXAMINATION

EN 10228-3 art.2-4

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DISCLAIMER

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