

→ WR. NR.:

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→ DIN: /

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→ AISI:

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→ CHEMICAL COMPOSITION (w%)

C	Si	Mn	Cr	Mo	V
1.00	1.10	0.30	8.00	2.70	0.30

→ DELIVERY CONDITION:

soft annealed with a hardness of <250 HB

→ PROCEDURE:

Conventional/electro slag remelted ESR

→ HEAT TREATMENT

soft annealing	cooling	hardness (HB)
820-860 °C	furnace	<250
hardening	heat treatment	hardness (HRC)
1040-1080 °C	Oil, air, nitrogen overpressure	Min. 60

→ PROPERTIES

Steel with an 8% Cr content for cold applications. Hard carbides very evenly distributed. High wear and adhesion resistance. High compressive strength and increased toughness compared to RS 200. Tempering resistance (secondary hardening). Suitable for erosion treatment. Very suitable for nitrating and PVD.

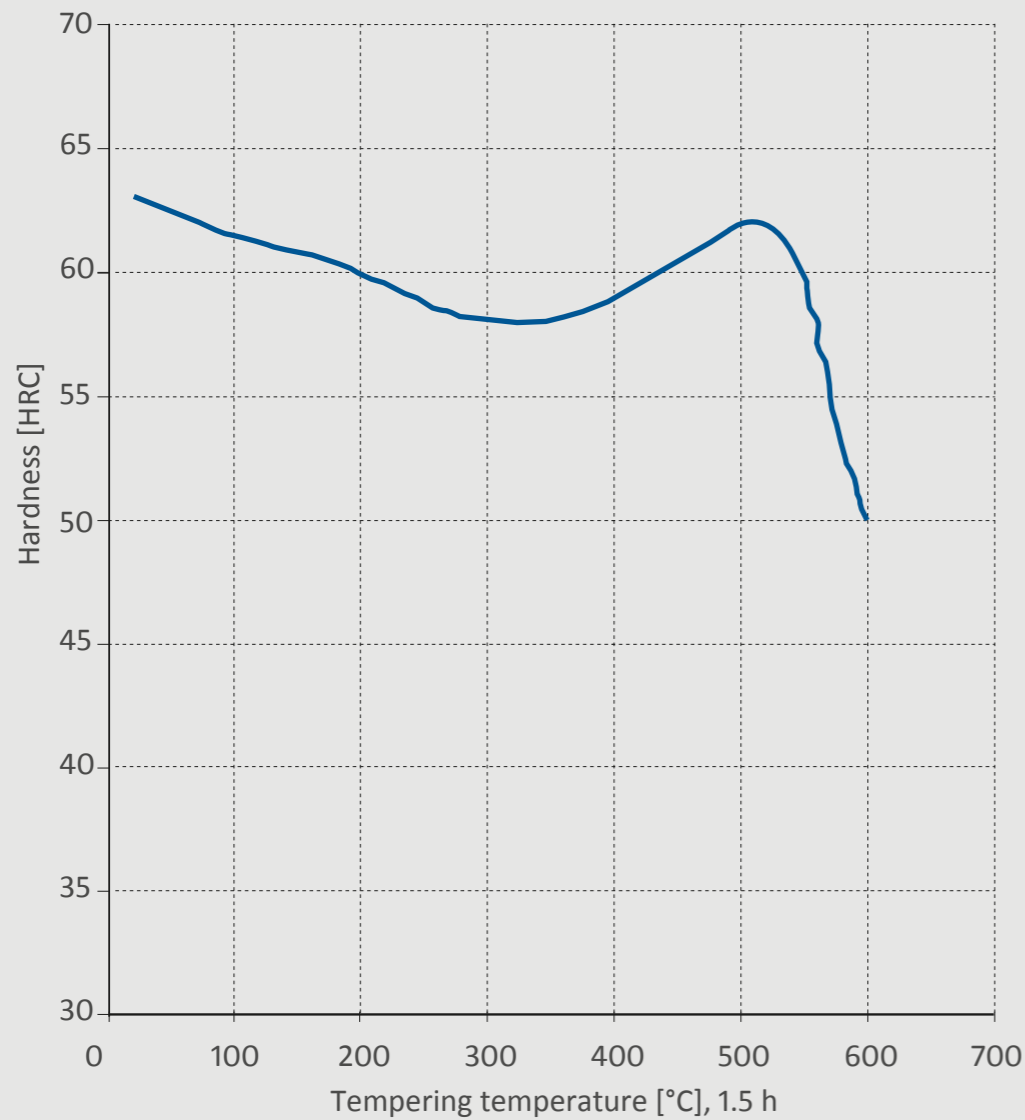
→ APPLICATION

Due to its good wear resistance and toughness, RS 220 RAVNEX represents a universal tool steel for cold applications. For punching and cutting metal sheets of medium thickness (12 mm). For the forming of stainless steel. For thread rolling, for rollers, extrusion and bending. This steel is often used as a replacement for RS 200 for increasing the useful life. Working hardness of about 60 HRC.

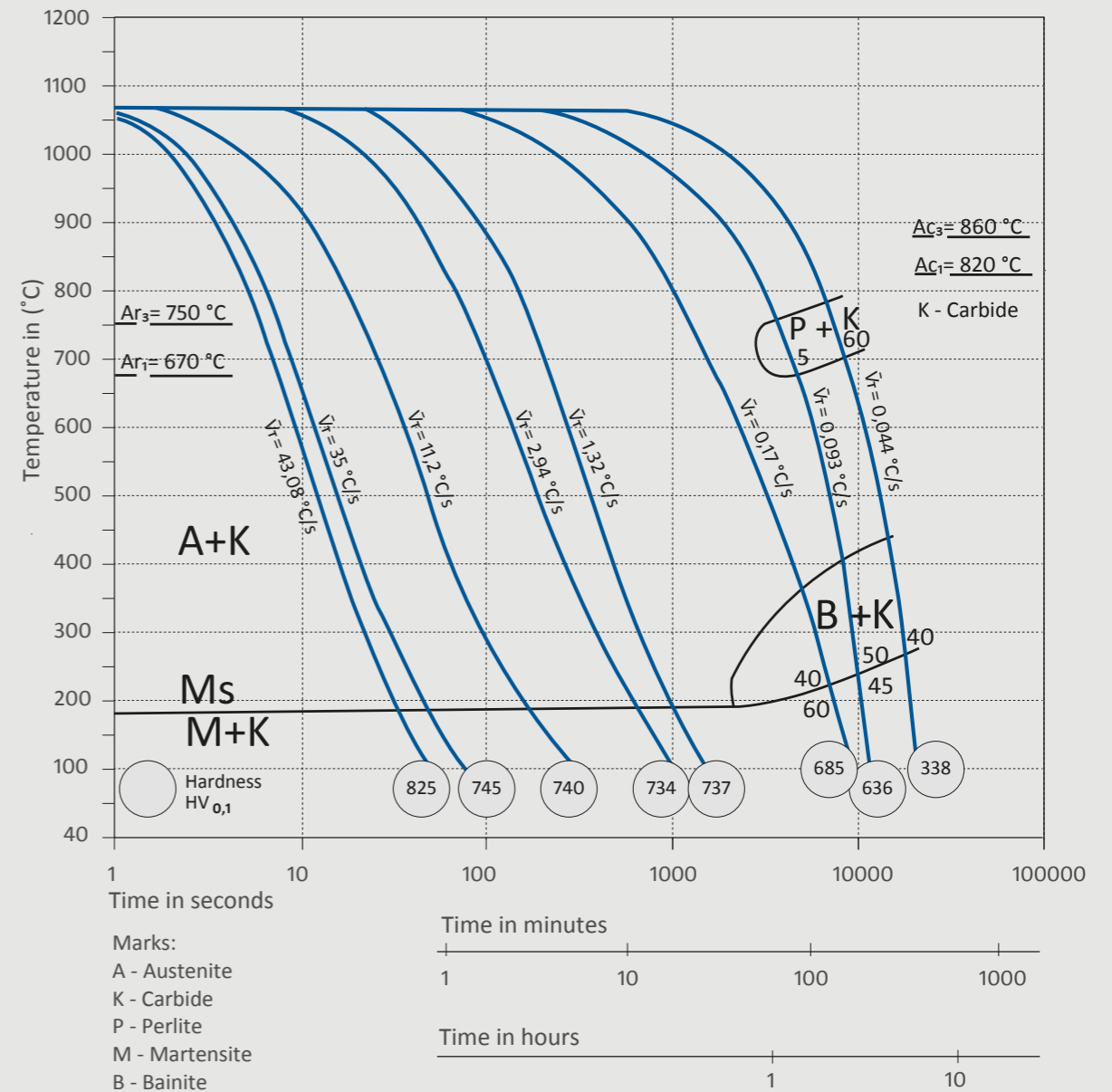
→ ULTRASOUND EXAMINATION

EN 10228-3 art.2-4

↘ Recommended working hardness for cutting and forming is up to 62 HRC.



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DISCLAIMER

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