sij | ravne steel

COLD WORK TOOL STEEL

QUALITY

RS 200

→ W.NR.:	1.2379 (EN ISO 4957)
→ EN / DIN:	X153CrMoV12
→ AISI:	D2

→ CHEMICAL COMPOSITION (W%)

C	Si	Mn	Cr	Mo	V
1.55	0.35	0.40	12.00	1.00	0.85

→ DELIVERY CONDITION:	soft annealed with a hardness of <250 HB
→ PROCESS:	conventional

→ HEAT TREATMENT

soft annealing	cooling	hardness (HB)
840-880 °C	furnace	<250
hardening	**quenching**	**hardness (HRC)**
1020-1050 °C	oil, air, warm bath 500-550 ° C	62-64

→ PROPERTIES

Dimensionally very stable ledeburite steel with high wear resistance and toughness. This steel has a high compressive strength. It can be nitrided. It can be hardened in the open air. Good tempering resistance with the possibility of tempering at the secondary peak.

→ APPLICATION

Tools for cutting and punching thin but hard sheets (usually up to 5 mm) and wires, for deep drawing, hobing, profile rolling (profiles, tubes), for woodworking tools, cold extrusion, pressing tools (pharmaceutical industry). Tools for abrasive plastics with lower polishability requirements. Circular and longitudinal knives for paper and shredding knives for plastics. Working hardness from 58 up to 62 HRC.

→ ULTRASOUND EXAMINATION	EN 10228-3 art.2-4

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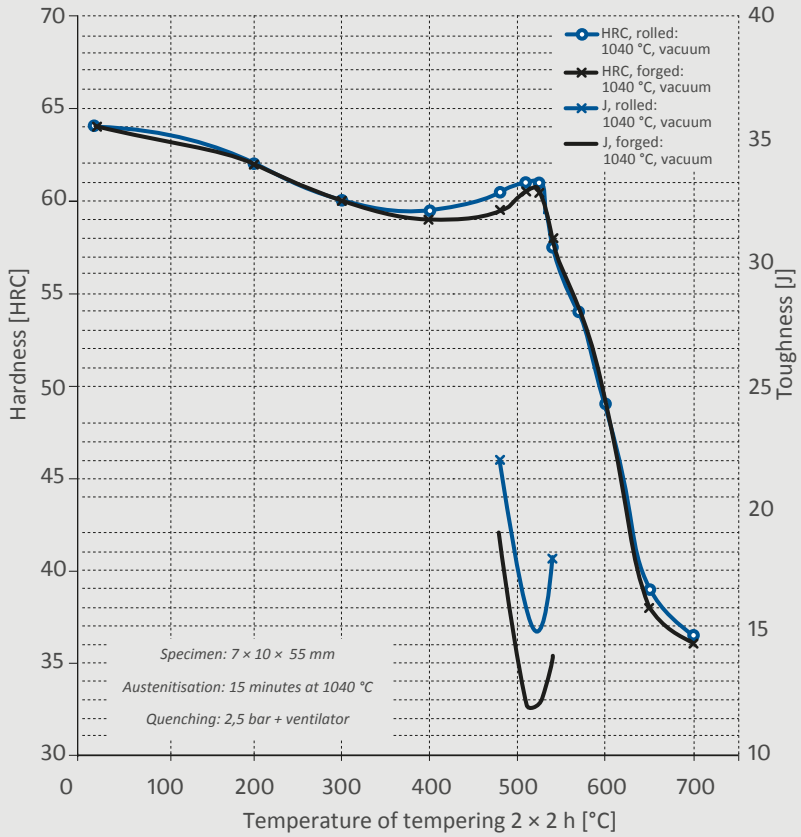

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