



SIRAPID 3244 PM Steel

Designation by Standards

Brand Name	Ravne	Mat. No.	DIN	EN	AISI/SAE
SIRAPID 3244 PM	RAVNE30 PM	1.3244	-	-	M3C1.2+Co

Chemical Composition (in weight %)

C	Si	Mn	Cr	Mo	Ni	V	W	Others
1.25	max. 0.70	max. 0.50	4.12	5.00	max. 0.50	2.95	6.32	Co: 8.38

Description

Molybdenum powder metallurgical (PM) high speed tool steel with high cobalt, produced by gas atomization, hot isostatic pressing and plastic deformation. Very high resistance to wear and to softening. High compression strength. Deep hardening response and much better toughness than conventional high speed tool steel. Very good dimensional stability at hardening.

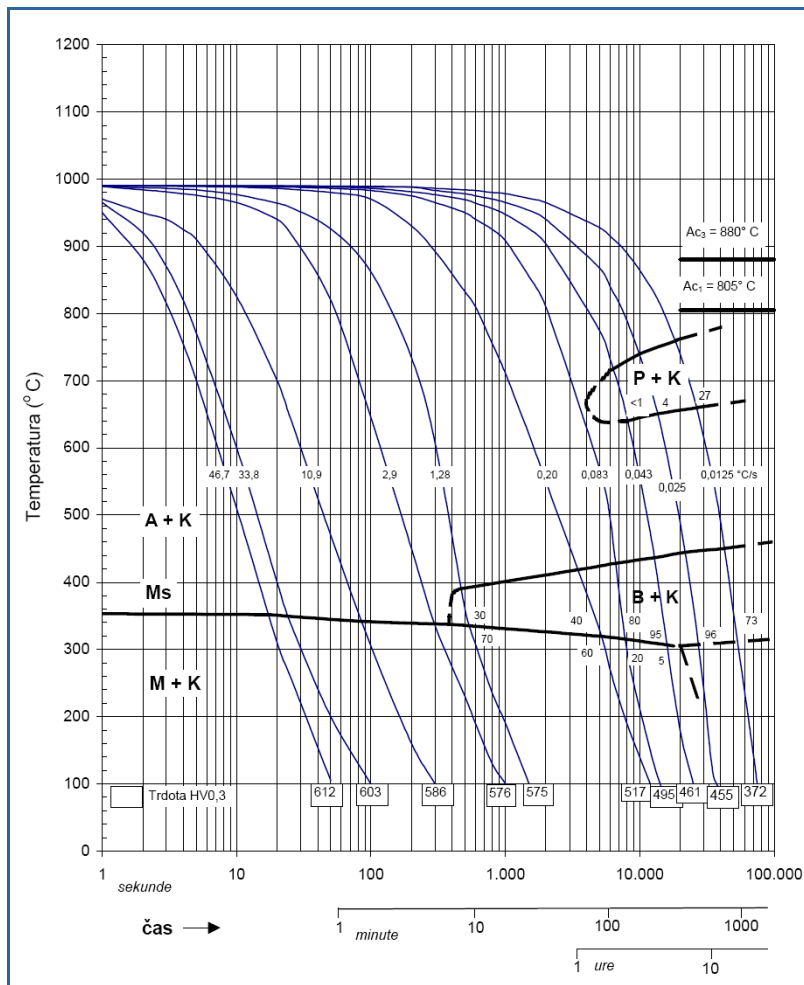
Applications

End mills, milling cutters, broach needles, cutting and punching, tools, dies, working rolls for cluster rolling stand.

Physical properties (average values) at ambient temperature

Density [g/cm³]: 8.08

Continuous Cooling Transformation (CCT) Diagram



Soft Annealing

Please ask.

Stress Relieving

Stress relieving to remove machining stresses should be carried out by heating to 650°C, holding for one hour at heat, followed by air cooling. This operation is performed to reduce distortion during heat treatment.

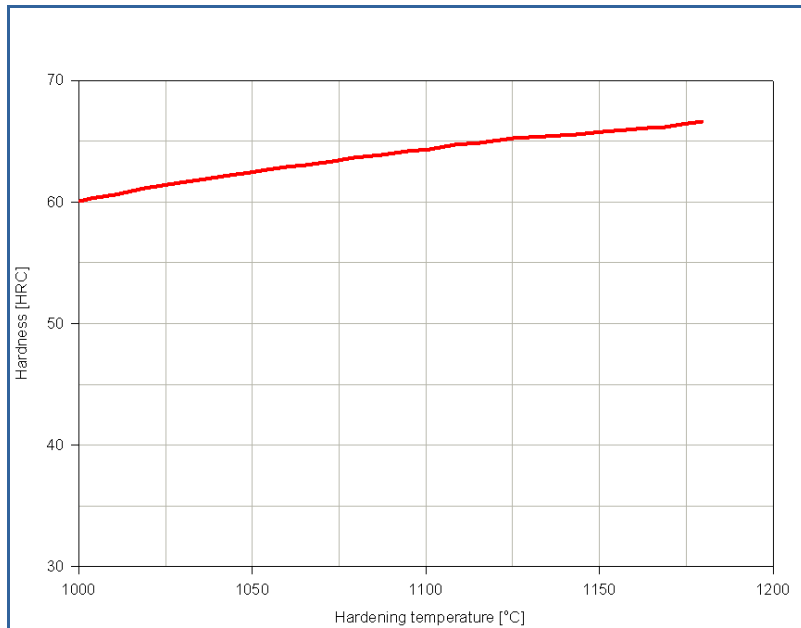
Hardening

Please ask.

Tempering

Tempering temperature: Please ask.

Tempering Diagram



Forging

Hot forming temperature: No data.

Machinability

No data.

Forms manufactured: Please see the [Dimensional Sales Program](#).

Disclaimer

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