



SIHARD K560 Steel

Designation by Standards

Brand Name	Ravne	Mat. No.	DIN	EN	AISI/SAE
SIHARD K560	OH236	1.2360 mod.	-	-	A8 mod.

Chemical Composition (in weight %)

C	Si	Mn	Cr	Mo	Ni	V	W	Others
0.50	1.15	0.35	7.30	1.40	-	0.55	-	-

Description

Cold work tool steels, good wear resistance, medium toughness.

Applications

Severely stressed machine blades for cellulose and paper ind., woodworking milling cutters, flat and circular blades for cutting 5 to 15 mm thick sheet/plate.

Physical properties (average values) at ambient temperature

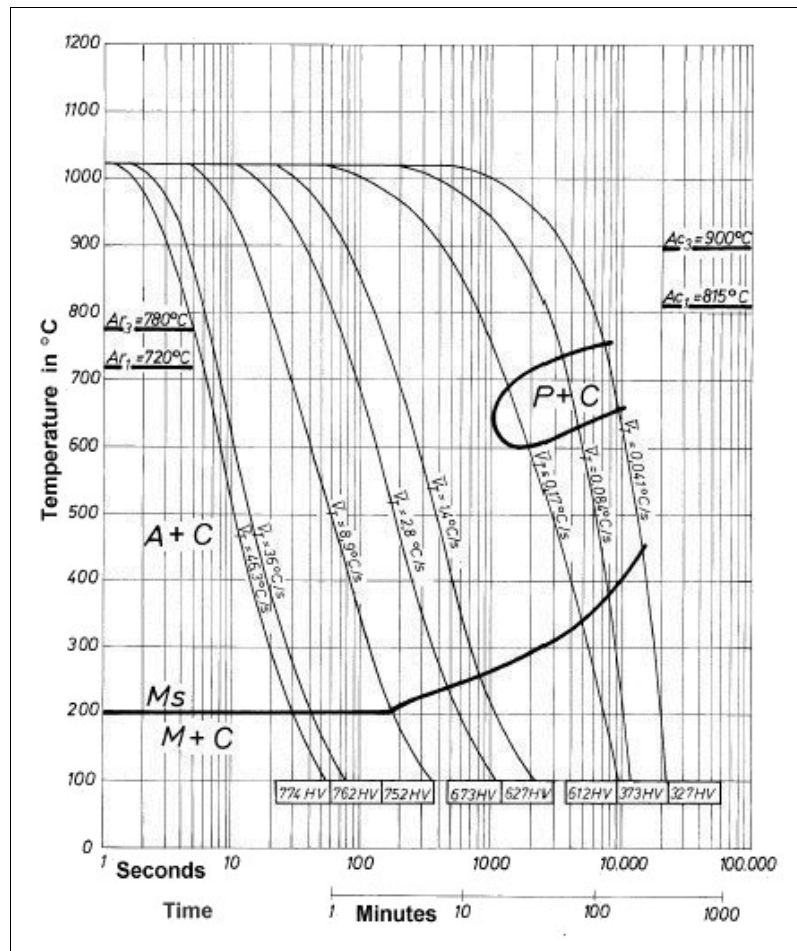
Density [g/cm³]: 7.74

Thermal conductivity [W/m.K]: 26.0

Coefficient of Linear Thermal Expansion 10⁻⁶ °C⁻¹

20-100°C	20-200°C	20-300°C	20-400°C	20-500°C	20-600°C	20-700°C	20-800°C
13.1	13.9	13.8	13.8	14.1	14.3	14.6	14.7

Continuous Cooling Transformation (CCT) Diagram



Soft Annealing

Heat to 820-860°C, cool slowly in furnace. This will produce a maximum Brinell hardness of 250.

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

Harden from a temperature of 1000-1040°C followed by oil or air quenching. Hardness after quenching is 57 HRC.

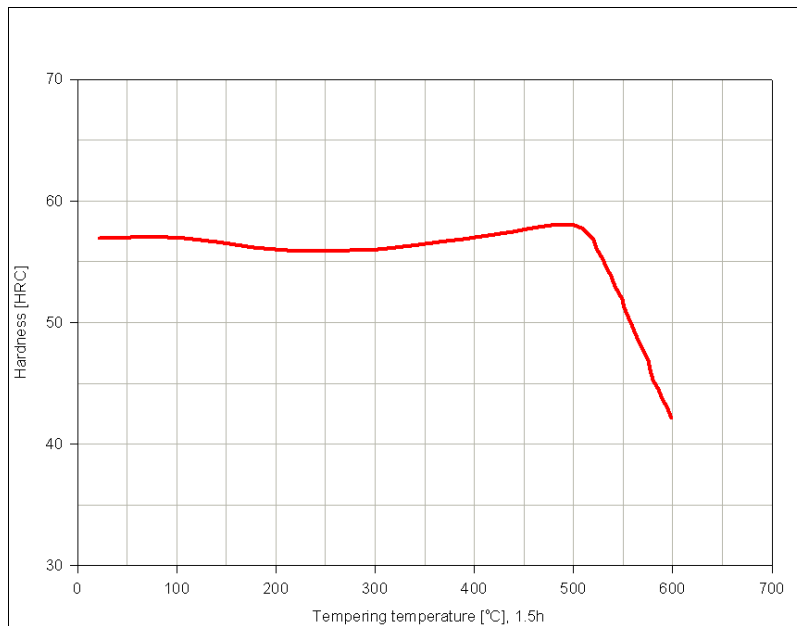
Tempering

Tempering temperature: See the table bellow.

Tempering Temperature (°C) vs. Hardness (HRC)

100°C	200°C	300°C	400°C	500°C	600°C
57	56	56	57	58	42

Tempering Diagram



Forging

Hot forming temperature: No data.

Machinability

No data.

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

Disclaimer

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