



SIHARD 2376 Steel

Designation by Standards

Brand Name	Ravne	Mat. No.	DIN	EN	AISI/SAE
SIHARD 2376	CRV1	1.2376	X96CrMoV12	-	-

Chemical Composition (in weight %)

C	Si	Mn	Cr	Mo	Ni	V	W	Others
0.96	0.30	0.30	11.50	0.90	-	0.90	-	-

Description

Chromium cold work tool steel with high durability and cutting performance for very tough items.

Applications

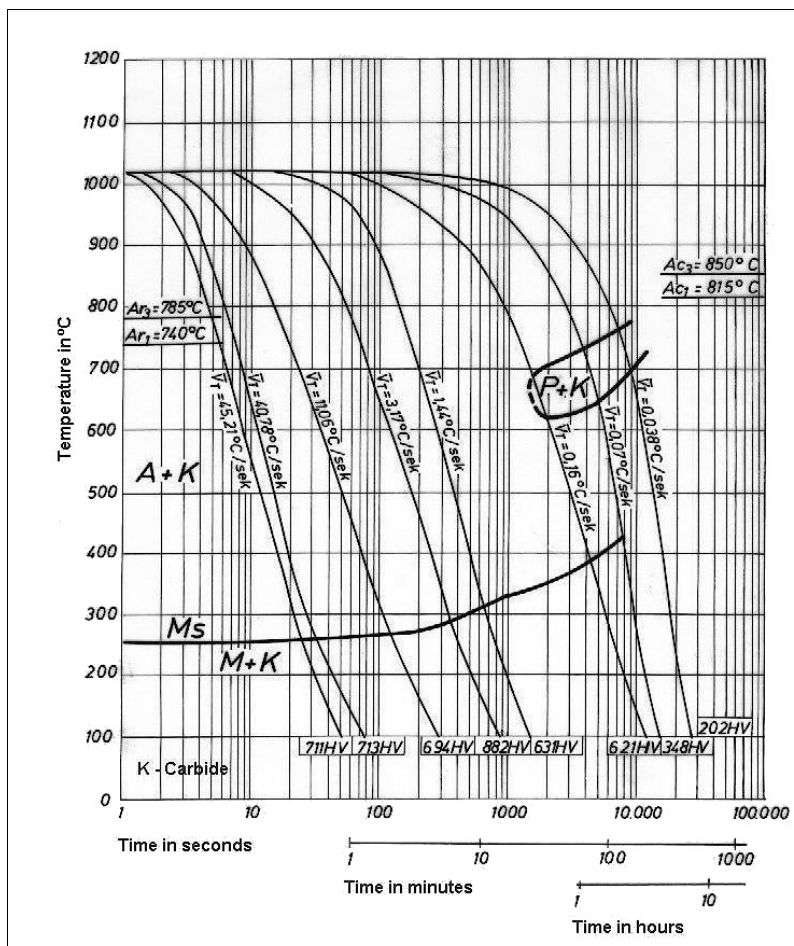
Wear resisting tools, pressure die casting tools, pressing tools for light and heavy metals. This steel grade can be water cooled.

Physical properties (average values) at ambient temperature

Modulus of elasticity [$10^3 \times \text{N/mm}^2$]: 210

Density [g/cm^3]: 7.72

Continuous Cooling Transformation (CCT) Diagram



Soft Annealing

Heat to 820-850°C, cool slowly. 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.

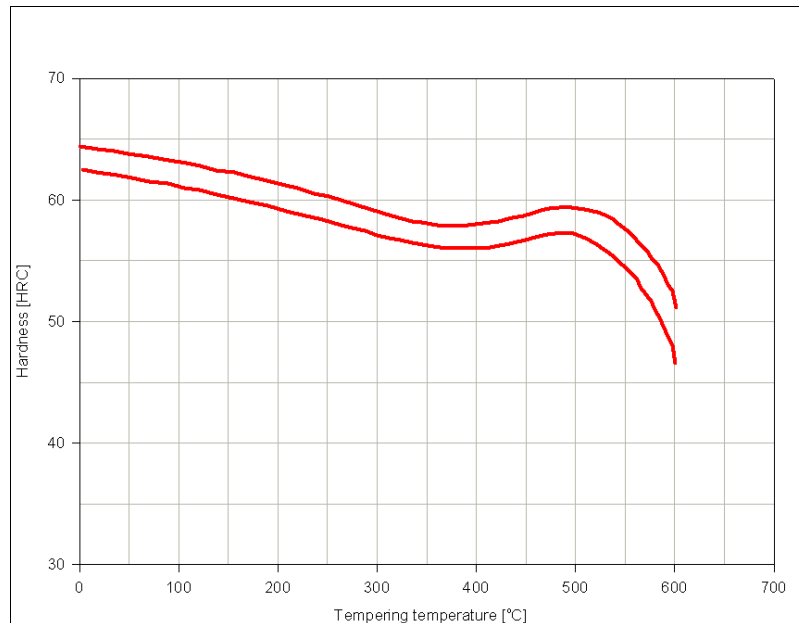
Hardening

Harden from a temperature of 1030-1060°C followed by oil quenching or warm bath quenching 350-450°C. Hardness after quenching is 62-63 HRC.

Tempering

Tempering temperature: See the data below.

Tempering Diagram



Forging

Hot forming temperature: 1050-900°C.

Machinability

No data.

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

Disclaimer

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