



## SIQUAL 6566 Steel

### Designation by Standards

Brand Name	Ravne	Mat. No.	DIN	EN	AISI/SAE
SIQUAL 6566	CT207	1.6566	17NiCrMo6-4	-	SAE 4621H

### Chemical Composition (in weight %)

C	Si	Mn	Cr	Mo	Ni	V	W	Others
0.21	0.28	0.75	0.85	0.20	1.35	-	-	max. Cu = 0.25, max. Al = 0.035

### Description

Special structural steel.

### Applications

Highly stressed, case hardened dies for artificial resin, of low deforming.

### Physical properties (average values) at ambient temperature

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

Density [ $\text{g/cm}^3$ ]: 7.80

### Soft Annealing

Heat to 700-720°C, cool slowly.

### Normalization

Temperature: 860-925°C.

### Hardening

Harden from a temperature of 900-930°C followed by oil quenching.

### Tempering

Tempering temperature: Please ask.

### Forging

Hot forming temperature: 1050-850°C.

### Machinability

No data.

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

### Disclaimer

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