



## SIQUAL 6949 Steel

### Designation by Standards

Brand Name	Ravne	Mat. No.	DIN	EN	AISI/SAE
SIQUAL 6949	PO185	~1.6949	~30NiCrMoV12	-	-

### Chemical Composition (in weight %)

C	Si	Mn	Cr	Mo	Ni	V	W	Others
0.35	0.27	0.65	0.90	0.33	3.00	-	-	max.Cu=0.30

### Description

Alloyed carbon steel.

### Applications

For quenching and tempering, cold upsetting general machine building, most heavy duty parts of vehicles and engines from the aspect of strength, toughness and elasticity, for machine parts of larger dimensions.

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

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

Density [ $\text{g/cm}^3$ ]: 7.85

### Soft Annealing

Brinell hardness in annealed condition is max. 260.

### Hardening

Harden from a temperature of 825°C followed by water quenching.

### Tempering

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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