



## SIQUAL 0913 Steel

### Designation by Standards

Brand Name	Ravne	Mat. No.	DIN	EN	AISI/SAE
SIQUAL 0913	2MN	1.0913	50Mn7	-	-

### Chemical Composition (in weight %)

C	Si	Mn	Cr	Mo	Ni	V	W	Others
0.50	max. 0.40	1.80	-	-	-	-	-	max. N = 0.007

### Description

Alloy quality steels. Steels for various applications.

### Applications

Leaf and conical spiral springs, parts for conveyor units, railway tracks, etc.

### 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

Heat to 680-700°C, cool slowly. This will produce a maximum Brinell hardness of 225.

### Normalizing

Temperature: 830-850°C.

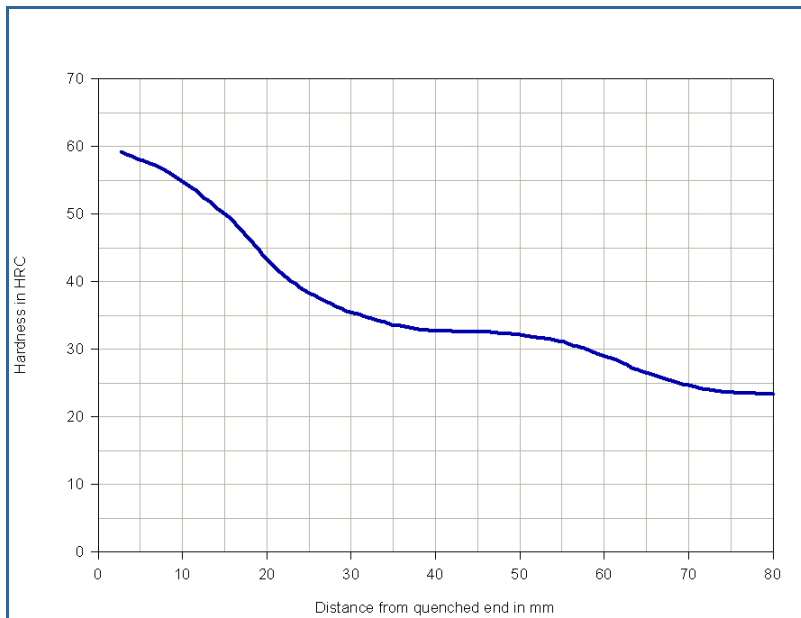
### Hardening

Harden from a temperature of 790-830°C followed by oil quenching.

### Tempering

Tempering temperature: 450-520°C, 550-650°C.

## Hardenability Diagram



### Forging

Hot forming temperature: 1050-850°C.

### Machinability

No data.

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

### Disclaimer

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