

SIQUAL 7380 Steel

Designation by Standards

Brand Name	Ravne	Mat. No.	DIN	EN	AISI/SAE
SIQUAL 7380	PT181	1.7380	10CrMo9-10	-	A182 Grade F22

Chemical Composition (in weight %)

С	Si	Mn	Cr	Мо	Ni	V	W	Others
0.12	max. 0.40	0.55	2.25	1.00	max. 0.50	-	-	-

Description

This is chromium-molybdenum structural steel.

Applications

Component parts for steam boilers and turbines, shafts for higher temperature ranges. **Physical properties (average values) at ambient temperature** Modulus of elasticity [10³ x N/mm²]: 190-210 Density [g/cm³]: 7.80

Normalizing

Temperature: 920-980°C.

Stress Relieving

Stress relieving to remove machining stresses should be carried out by heating to 675°C, holding for one hour at heat, followed by air cooling. This operation is performed to reduce distortion during heat treatment.

Austenization

Temperature: 920-980°C.

Tempering

Tempering temperature: 650-750°C.

Forging

Hot forming temperature: 1050-850°C.

Machinability

No data.

Forms manufactured: Please see the Dimensional Sales Program.

Disclaimer

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