



SIQUAL 2764 Steel

Designation by Standards

Brand Name	Ravne	Mat. No.	DIN	EN	AISI/SAE
SIQUAL 2764	CT183	1.2764	X19NiCrMo4	-	-

Chemical Composition (in weight %)

C	Si	Mn	Cr	Mo	Ni	V	W	Others
0.19	0.25	0.30	1.25	0.20	4.05	-	-	-

Description

Special structural steel.

Applications

Special purpose production. Parts of larger cross-sections where higher toughness is demanded, for gears, crankshafts, etc.

Physical properties (average values) at ambient temperature

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

Density [g/cm^3]: 7.80

Soft Annealing

Heat to 620-660°C, cool slowly in furnace. This will produce a maximum Brinell hardness of 255.

Intermediate Annealing

Temperature: 600-630°C.

Carburizing

Temperature: 860-890°C.

Hardening

Harden from a temperature of 780-810°C followed by oil quenching or thermal bath at 180-220°C.

Tempering

Tempering temperature: 150-180°C.

Forging

Hot forming temperature: 1050-850°C.

Machinability

No data.

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

Disclaimer

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