



SIQUAL 7734 Steel

Designation by Standards

Brand Name	Ravne	Mat. No.	DIN	EN	AISI/SAE
SIQUAL 7734	PO795	1.7734	-	15CDV6	-

Chemical Composition (in weight %)

C	Si	Mn	Cr	Mo	Ni	V	W	Others
0.15	max. 0.20	0.95	1.38	0.90	-	0.25	-	-

Description

This is chromium-molybdenum-vanadium Structural steels. Good bending performance and excellent weldability. Toughness, consistency and resistance to fatigue derived from the high level of micro cleanliness.

Applications

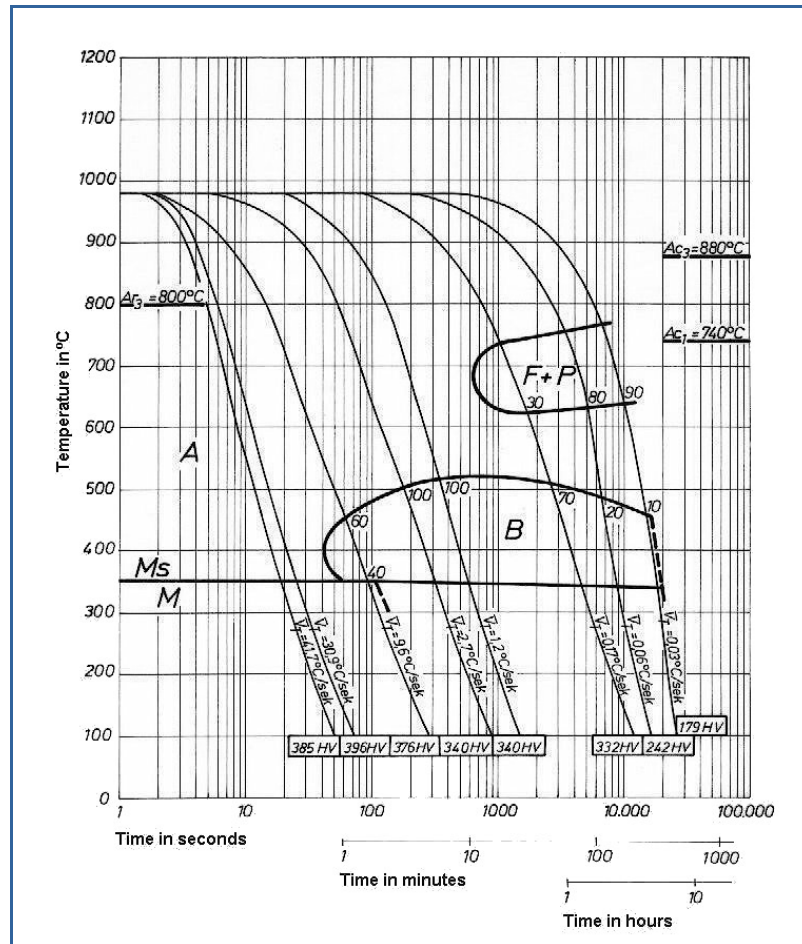
Component parts for the aircraft industry.

Physical properties (average values) at ambient temperature

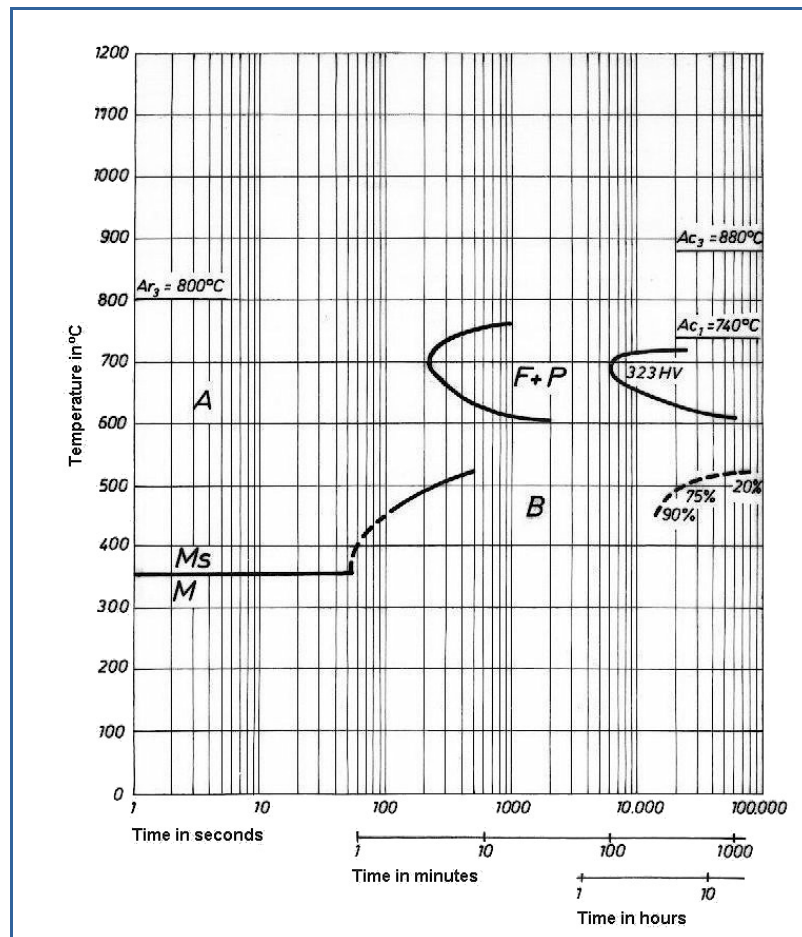
Modulus of elasticity [$10^3 \times \text{N/mm}^2$]: 190-210

Density [g/cm^3]: 7.80

Continuous Cooling Transformation (CCT) Diagram



Time-Temperature Transformation (TTT) Diagram



Soft Annealing

Please ask.

Stress Relieving

Stress relieving to remove machining stresses should be carried out by heating to 600-650°C, holding for 1-2 hours at heat, followed by air cooling. This operation is performed to reduce distortion during heat treatment.

Hardening

Quenching temperature: 975°C.

Tempering

Temperature: 600-740°C.

Forging

Hot forming temperature: 1050-850°C.

Machinability

No data.

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

Disclaimer

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