DIN - Material - No.	1.6582
Code	34 CrNiMo 6
Comparable standards	AISI: 4337/4340

Chemical composition	C	Si	Mn	Cr	Ni
(Typical analysis %)	0.34	0.40	0.65	1.50	1.50

Steel properties

VCNM0150 is a heat treatable, low alloy steel containing nickel, chromium & molybdenum. It is known for its toughness & capability of developing high strength in the next treated condition while retaining good fatigue strength.

Physical properties

Thermal conductivity W/(m.K)	20°C
	25

Density g/cm^3	20°C
	7.7

Coefficient of linear thermal expansion

10^{-6} °C^{-1}	20-100	20-200	20-300	20-400	20-500	20-600	20-700 °C
	11.2	11.5	11.7	11.9	12.0	12.1	12.0

Applications

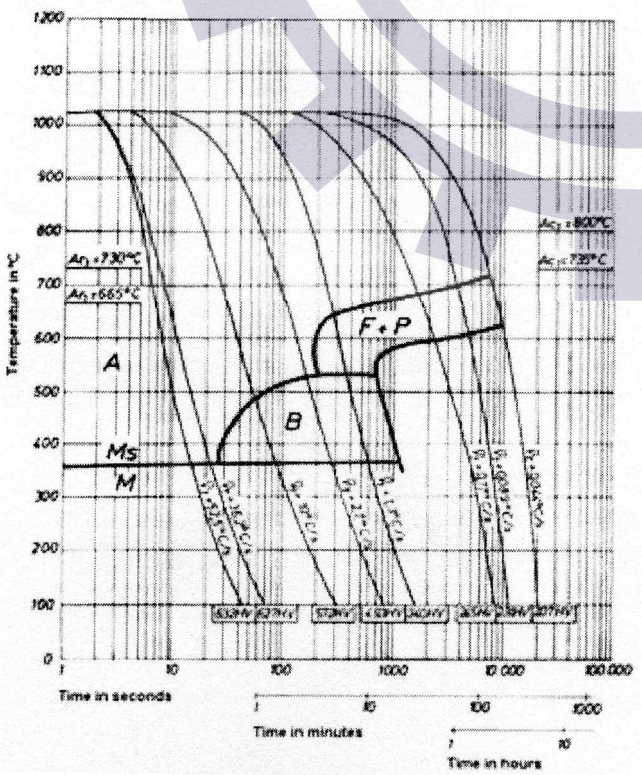
Typical applications are for structural use, such as aircraft landing gear, power transmission gears & shafts & other structural parts.

Heat treatment

Soft annealing°C	Cooling	Hardness HB
650	furnace	max. 295

Hardening from°C	in	Hardness after quenching
900 - 1100	air	ca. 47 HRC (ca. 1530 N/mm^2)

Time - Temperature - Transformation - Diagram



Tempering Diagram

To see next page

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Tempering Diagram