



Quality B16 (40CrMoV4-6)

CORRESPONDENCE TO INTERNATIONAL DESIGNATIONS

Quality	Europe	Germany		France	Spain	G.B.	USA
	EN	DIN	W.n.	AFNOR	UNE	B.S.	AISE/SAE
B16	40CrMoV4-6	40CrtoV4-6	-	40CroV4-6	-	1506-661	ASTM-A193 B16

CHEMICAL ANALYSIS (ASTM A193)


Steel designation	Chemical composition								
Symbolic	C	Mn	Si	P max	S max	Cr	Mo	V	Al max
B16	0,36 ÷ 0,47	0,45 ÷ 0,70	0,15 ÷ 0,35	0,035	0,040	0,80 ÷ 1,15	0,50 ÷ 0,65	0,25 ÷ 0,35	0,015

Concentration limits of the elements that are not indicated in the table can be deduced in the en 10020 regulation.

MECHANICAL CHARACTERISTICS

Steel	Normalisation temperature 900°c min – Tempering temperature 620°c min				
Symbolic	R _e min	R _m min	A min	Z min	Hardness HB max
	N/mm ²		%	%	J
B16	655	760	17	45	321

NORMALMENTE DISPONIBILE A MAGAZZINO

M.T. Coloration	Quality	Heat treatment	Surface
	B16 (40CrMoV4-6)	Quenched and tempered	rolled