

Quality	16Mo3
According to Standard	EN 10273 : 2000
Number	1.5415



KRANTI INDUSTRIAL
METAL SUPPLIER LLP

Comparable Standards	EN	W.N.
	16Mo3	1.5415

Chemical Analysis	C %	Si % max	Mn %	P% max
	0.12 - 0.20	0.35	0.40 - 0.90	0.030
	Cr %	Cu max.	Mo %	Ni %
	0.30	0.30	0.25 - 0.35	0.30
	S% max	Al ^{tot}		
	0.025	1)		

Hot Work and Heat Treatment Temperatures

Temperature Range For Quenching		
Normalizing	Austenitizing	Tempering ²⁾
890 to 950	--	-- ³⁾

Mechanical Properties at Room Temperature

Usual delivery conditon	Diameter or thickness mm		Yield Strength R
+N	over	up to	N/mm2 min.
+N ⁵⁾		16	275
	16	40	270
	40	60	260
	60	100	240
	100	150	220
Tensile Strength	Elongation after fracture (L _o = 5,65√S _o) A (longitudinal) % min.	Minimum impact energy value KV (longitudinal) J at temperatures in °C	
N/mm2			
440 to 590	24		
	23	-	-
430 to 580	22		40
420 to 570	19		

1) The Al content of the cast shall be determined and given in the inspection document.

3) In Certain Cases, tempering at 590 to 650 °C may be necessary

5) This Steel Grade may, at the discretion of the manufacturer, also be supplied in the condition '+NT'.