



Since 1967

Dated: 20-12-2025

MATERIAL TEST REPORT

WEDGE ANCHOR BOLT (CTB)

SIZE : 16x200 MM

Anchor Bolt	Specification	Observed Value	Remark
Size of Bolt/Dia x Length	M16	M16	AVG of 5 samples
Length	200mm	200mm	
Material	Mild Steel	Mild Steel	
Grade/Finish	4.6 / White Zinc Plated	4.6 / White Zinc Plated	
Zinc Plating Thickness	≥ 5 micron	5 to 8 micron	
MEAN ULTIMATE LOAD	TENSION LOAS $N_{Ru,m}$	45.50 [kN]	
	SHEAR LOAD $V_{Ru,m}$	51.54 [kN]	
CHARACTERISTIC LOAD	TENSION LOAS $N_{Ru,m}$	35.00 [kN]	
	SHEAR LOAD $V_{Ru,m}$	43.00 [kN]	
DESIGN LOAD	TENSION LOAS $N_{Ru,m}$	23.33 [kN]	
	SHEAR LOAD $V_{Ru,m}$	34.40 [kN]	
RECOMMENDED LOAD	TENSION LOAS $N_{Ru,m}$	16.67 [kN]	
	SHEAR LOAD $V_{Ru,m}$	24.57 [kN]	

C	Mn	P	S	Si	Cu
0.35-1.00	0.30-1.20	0.10	0.030	0.10 – 0.30	0.20
		MAX	MAX	MAX	MAX
0.74	0.65	0.020	0.018	0.21	0.11

Thanks & regards



Canco Fasteners
+91-011-42525500

Office : B-6/2, DDA SHOPPING COMPLEX, OPP. DEAR PARK, SAFDARJUNG ENCLAVE, NEW DELHI – 110029

Factory : A-63/2, G.T.KARNAL ROAD INDUSTRIAL AREA, AZADPUR DELHI - 110 033, INDIA

TEL No.: +91-011-42525500 / Factory No. : 011-46340046

E-MAIL : sales8@cancofasteners.com, WEB : www.cancofasteners.com