



Since 1967

Dated: 03-12-2025

MATERIAL TEST REPORT

CAN CILEING ANCHOR BOLT

SIZE : 16X120MM

Anchor Bolt	Specification	Observed Value	Remark
Size of Bolt/Dia x Length	M16 x 120MM	M16 x 120MM	AVG of 5 samples
Shield Length	16 x 115MM	16 x 115MM	
Manufactured By	Canco	Canco	
Material	Mild Steel	Mild Steel	
Grade/Finish	4.6 / Golden Zinc Plated	4.6 / Golden Zinc Plated	
Zinc Plating Thickness	≥ 5 micron	5 to 8 micron	
MEAN ULTIMATE LOAD	TENSION LOAS $N_{Ru,m}$	48.77 [kN]	
	SHEAR LOAD $V_{Ru,m}$	47.10 [kN]	
CHARACTERISTIC LOAD	TENSION LOAS $N_{Ru,m}$	40.00 [kN]	
	SHEAR LOAD $V_{Ru,m}$	39.25 [kN]	
DESIGN LOAD	TENSION LOAS $N_{Ru,m}$	22.22 [kN]	
	SHEAR LOAD $V_{Ru,m}$	31.40 [kN]	
RECOMMENDED LOAD	TENSION LOAS $N_{Ru,m}$	15.87 [kN]	
	SHEAR LOAD $V_{Ru,m}$	22.43 [kN]	

% CHEMICAL COMPOSITION

Elements	C (%)	Mn (%)	S (%) Max	P (%) Max	Si (%)	Cr (%) Max	Mo (%)	V (%)	Ai (%)	Br (%)	Cu (%) Max
Minimum	0.13%	0.40%	-	-	0.05%	-	-	-	0.010%	-	-
Maximum	0.20%	0.60%	0.050%	0.050%	0.35%	0.20%	-	-	0.035%	-	-
Achieved	0.16%	0.46%	0.022%	0.030%	0.15%	0.07%	-	-	0.028%	-	-

Thanks & regards



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