



Dated : 06-06-2022

MATERIAL TEST CERTIFICATE

Hollow Bolt

TEST CERT NO	DATE	PARTY NAME	DESCRIPTION		QUANTITY
1786	06-06-2022	MTANDT LIMITED	HOLLOW BOLT M12X150, M12X230		360, 360 PCS.
GRADE	PI No.	DATE	MATERIAL	FINISH	STAMP
8.8	CF/172/2021-2022	01-03-2022	HEAT TREATED	ZINC PLATING	8.8

CHEMICAL PROPERTIES

ELEMENT	C% MAX	MN% MAX	P% MAX	S% MAX
BOLT M12X150 & M12X230	0.12	0.60	0.04	0.004

MECHANICAL PROPERTIES

GRADE	UTS (Mpa, Min)	TS (Mpa, Min)	EL (% , Min)	Draft Expansion (As % M of D)	Flattening Test (Distance between Plates)
ERW-1	310	160	20	12.5	2t

PULL OUT LOAD TESTING CERTIFICATE

BASIC PERFORMANCE DATE		
SIZE	10MM	
CHARACTERISTIC LOAD		
TENSION LOAS $N_{Ru,m}$	[kN]	12.00
SHEAR LOAD $V_{Ru,m}$	[kN]	24.00
DESIGN LOAD		
TENSION LOAS $N_{Ru,m}$	[kN]	5.71
SHEAR LOAD $V_{Ru,m}$	[kN]	11.43
RECOMMENDED LOAD		
TENSION LOAS $N_{Ru,m}$	[kN]	4.08
SHEAR LOAD $V_{Ru,m}$	[kN]	8.16

Thanks & regards

CANCO FASTENERS
A-63/2, G.T.KARNAL ROAD,
Ind. Area, Azadpur, DELHI-33



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