CANCO FASTENERS
Trusted Name in Quality Fixing System

Dated: 28-01-2025

METALLURGICAL TEST REPORT (Induction Route)

ITEM: WEDGE ANCHOR (THROUGH BOLT)
SIZE: M12 x 110MM
MATERIAL: CARBON STEEL / GRADE: 5.8
FINISH: ZINC PLATED

DESCRIPTION OF PARTS											
PROCESS ROUTE											
% CHEMICAL COMPOSITION											
Elements	**C (%)**	**Mn (%)**	**Si (%) Max**	**P (%) Max**	**S (%)**	**Cr (%) Max**	**Mo (%)**	**V (%)**	**Al (%)**	**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%	0.48%	0.028%	0.035%	0.14%	0.09%	-	-	0.025%	-	-

BASIC PERFORMANCE DATE		
SIZE		M12
MEAN ULTIMATE LOAD		
TENSION LOAD $N_{u,m}$	[kN]	73.50
SHEAR LOAD $V_{u,m}$	[kN]	59.80
CHARACTERISTIC LOAD		
TENSION LOAD $N_{u,m}$	[kN]	62.00
SHEAR LOAD $V_{u,m}$	[kN]	50.00
DESIGN LOAD		
TENSION LOAD $N_{u,m}$	[kN]	31.00
SHEAR LOAD $V_{u,m}$	[kN]	25.00
RECOMMENDED LOAD		
TENSION LOAD $N_{u,m}$	[kN]	24.80
SHEAR LOAD $V_{u,m}$	[kN]	20.00

Thanks & Regards



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