CANCO FASTENERS
Trusted Name in Quality Fixing System

Dated: 28-01-2025

METALLURGICAL TEST REPORT (Induction Route)

ITEM: DROP IN ANCHOR
SIZE: M12
MATERIAL: CARBON STEEL / GRADE: 4.8
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	0.18%	0.50%	-	-	0.05%	-	-	-	0.010%	-	-
Maximum	0.24%	0.70%	0.050%	0.050%	0.35%	0.20%	-	-	0.035%	-	-
Achieved	0.20%	0.60%	0.028%	0.032%	0.16%	0.08%	-	-	0.027%	-	-

BASIC PERFORMANCE DATE		
SIZE		**M12**
MEAN ULTIMATE LOAD		
TENSION LOAD $N_{u,m}$	[kN]	68.50
SHEAR LOAD $V_{u,m}$	[kN]	52.30
CHARACTERISTIC LOAD		
TENSION LOAD $N_{u,m}$	[kN]	56.20
SHEAR LOAD $V_{u,m}$	[kN]	41.00
DESIGN LOAD		
TENSION LOAD $N_{u,m}$	[kN]	33.50
SHEAR LOAD $V_{u,m}$	[kN]	26.00
RECOMMENDED LOAD		
TENSION LOAD $N_{u,m}$	[kN]	28.00
SHEAR LOAD $V_{u,m}$	[kN]	21.00

Thanks & Regards

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