CANCO FASTENERS
Trusted Name in Quality Fixing System

Dated: 28-01-2025

METALLURGICAL TEST REPORT (Induction Route)

ITEM: BRASS DROP IN ANCHOR
SIZE: M10
MATERIAL: BRASS CW614N / GRADE: EN 12164
FINISH: NATURAL BRASS

DESCRIPTION OF PARTS										
PROCESS ROUTE										
% CHEMICAL COMPOSITION										
Elements	**C (%)**	**Mn (%)**	**Si (%) Max**	**P (%) Max**	**S (%)**	**Cu (%) Min**	**Zn (%)**	**Pb (%)**	**Fe (%)**	**Others Max**
Minimum	-	-	-	-	-	57.0%	38.0%	0.5%	0.8%	0.10%
Maximum	0.15%	0.50%	0.30%	0.05%	0.05%	61.0%	41.0%	1.0%	1.0%	0.20%
Achieved	0.12%	0.38%	0.21%	0.03%	0.02%	59.12%	39.65%	0.62%	0.71%	0.08%

BASIC PERFORMANCE DATE		
SIZE		M10
MEAN ULTIMATE LOAD		
TENSION LOAD $N_{u,m}$	[kN]	45.20
SHEAR LOAD $V_{u,m}$	[kN]	38.10
CHARACTERISTIC LOAD		
TENSION LOAD $N_{u,m}$	[kN]	38.00
SHEAR LOAD $V_{u,m}$	[kN]	32.20
DESIGN LOAD		
TENSION LOAD $N_{u,m}$	[kN]	28.50
SHEAR LOAD $V_{u,m}$	[kN]	24.20
RECOMMENDED LOAD		
TENSION LOAD $N_{u,m}$	[kN]	25.65
SHEAR LOAD $V_{u,m}$	[kN]	21.80

Thanks & Regards

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