CANCO FASTENERS

Trusted Name in Quality Fixing System

Dated: 28-01-2025

METALLURGICAL TEST REPORT (Induction Route)

ITEM: J HOOK ANCHOR
SIZE: M6 TO M24; 1/4" TO 1"
MATERIAL: MILD STEEL / **GRADE:** 4.6, 8.8 / F1554 GR 36 / 55; SS 304; SS 316
FINISH: PLAIN, ZINC PLATED, HDG

DESCRIPTION OF PARTS											
PROCESS ROUTE											
% CHEMICAL COMPOSITION											
Elements	C (%)	Mn (%)	Si (%) Max	P (%) Max	S (%)	Cr (%) Min	Mo (%)	V (%)	Al (%)	Br (%)	Others Max
Minimum	-	-	-	-	-	0.10%	-	-	0.01%	-	0.10%
Maximum	0.20%	0.60%	0.30%	0.05%	0.06%	0.66%	-	-	0.035%	-	0.20%
Achieved	0.15%	0.42%	0.22%	0.03%	0.04%	0.48%	-	-	0.027%	-	0.08%

BASIC PERFORMANCE DATE		
SIZE		M6 TO M24; 1/4" TO 1"
MECHANICAL PROPERTIES		
Tensile Strength (N/mm²)	[N/mm²]	400 – 620
Yield Strength (N/mm²)	[N/mm²]	240 – 420
Elongation (%)	[%]	12 – 25
HARDNESS		
Rockwell Hardness (HRB)	[HRB]	70 – 95
DIMENSIONAL & VISUAL CHECK		
Thread Diameter Tolerance	[mm]	± 0.25
Straightness	[mm/m]	1.0
Surface Finish	-	Free from cracks, pits, defects
COATING / FINISH		
Zinc Plated / HDG Thickness	[µm]	Min. 5 – 85 (as per finish)

Thanks & Regards

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