



**CANCO**  
**FASTENERS**  
Trusted Name in Quality Fixing System



Dated: 28-01-2025

**METALLURGICAL TEST REPORT (Induction Route)**

ITEM: CHEMICAL CAPSULE  
SIZE: 12X150MM

DESCRIPTION OF PARTS											
PROCESS ROUTE											
% CHEMICAL COMPOSITION											
Elements	C (%)	Mn (%)	S (%) Max	P (%) Max	Si (%)	Cr (%) Max	Mo (%)	V (%)	Ai (%)	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%	0.46%	0.022%	0.030%	0.15%	0.07%	-	-	0.028%	-	-

BASIC PERFORMANCE DATE		
SIZE	12MM	
MEAN ULTIMATE LOAD		
TENSION LOAS $N_{Ru,m}$	[kN]	50.40
SHEAR LOAD $V_{Ru,m}$	[kN]	42.15
CHARACTERISTIC LOAD		
TENSION LOAS $N_{Ru,m}$	[kN]	42.00
SHEAR LOAD $V_{Ru,m}$	[kN]	21.00
DESIGN LOAD		
TENSION LOAS $N_{Ru,m}$	[kN]	20.99
SHEAR LOAD $V_{Ru,m}$	[kN]	16.80
RECOMMENDED LOAD		
TENSION LOAS $N_{Ru,m}$	[kN]	14.99
SHEAR LOAD $V_{Ru,m}$	[kN]	12.00

Thanks & Regards



CANCO FASTENERS  
+91-011-42525500  
[www.cancofasteners.com](http://www.cancofasteners.com)

Office : B-6/2, DDA SHOPPING COMPLEX, OPP. DEAR PARK, SAFDARJUNG ENCLAVE, NEW DELHI – 110029

Factory : A-63/2, G.T.KARNAL ROAD INDUSTRIAL AREA, AZADPUR DELHI - 110 033, INDIA

TEL No.: +91-011-42525500 / Factory No. : 011-65656669,

E-MAIL : [sales8@cancofasteners.com](mailto:sales8@cancofasteners.com), WEB : [www.cancofasteners.com](http://www.cancofasteners.com)