



TRUSTED NAME IN QUALITY FIXING SYSTEMS · GOVERNMENT RECOGNISED EXPORT HOUSE · EST. 1967

MATERIAL TEST CERTIFICATE

STANDARD REFERENCE DOCUMENT

Document No.	CANCO-MTC-FFA-REF	Revision	00
Issue Date	August 2026	Page	1 of 1

PRODUCT INFORMATION

Product Name	CANCO Frame Fixing Anchor	Reference Size	Multiple diameters and lengths; common diameter range 6 mm to 14 mm
Product Category	Through-type expansion anchor	Base Material	PA6 Nylon Sleeve + Carbon Steel Screw; Stainless Steel 304/316 optional
Application	Door/window frames, wooden battens, brackets and light structural sections into concrete, brick and masonry	Manufacturing Process	Injection moulding; cold forging; thread rolling; controlled surface finishing
Surface Finish	Zinc Plated / Yellow Zinc Passivated / HDG on request / Plain Stainless Steel	Customisation	Custom sleeve colours, screw head types, private-label and bulk supply

DESCRIPTION OF PARTS

Item No.	Quantity	Product Type / Components	Material	Finish	Product Image
1	As Per Actual	Nylon expansion sleeve + high-strength steel screw; CSK or hex head as specified	PA6 Nylon + Carbon Steel Grade 4.8 / 5.8; SS 304/316 optional	As ordered	

CHEMICAL COMPOSITION (REFERENCE) / MECHANICAL PROPERTIES / TESTING

Element	Specification	Verification	Property / Test	Requirement / Status
Carbon (C)	As per selected screw grade	Actual heat certificate	Dimensional Inspection	PASS — approved drawing / specification
Manganese (Mn)	As per selected screw grade	Actual heat certificate	Expansion Performance Testing	PASS — as applicable
Silicon (Si)	As per selected screw grade	Actual heat certificate	Thread Gauge Verification	PASS
Phosphorus (P)	Applicable material specification	Actual heat certificate	Visual / Surface Inspection	PASS
Sulphur (S)	Applicable material specification	Actual heat certificate	Material Certification	Available upon request

The supplied technical specification defines material options, finishes, size range, components, manufacturing process and inspection requirements, but does not provide product-specific chemical analysis or numerical mechanical test values. Actual heat/lot values shall be stated on the order-specific certificate where applicable.

ANCHOR PERFORMANCE - REFERENCE / PROJECT-SPECIFIC

Load Type	Characteristic Load, NRk	Design Load, NRd	Recommended Load, NRec
Tension	Project-specific / test required	Project-specific / design verification	Project-specific
Shear	Project-specific / test required	Project-specific / design verification	Project-specific

SWL is to be determined according to engineering standards and project requirements. Load capacity depends on base material strength and embedment depth.

QUALITY INSPECTION

Raw Material Inspection	✓ PASS / AS ORDERED	Surface Finish Inspection	✓ PASS
Dimensional Inspection	✓ PASS	Thread Gauge Verification	✓ PASS
Visual Inspection	✓ PASS	Expansion Performance Testing	Where required / project-specific

Manufacturer's Declaration — This standard reference certificate describes the Canco Frame Fixing Anchor and the quality-control requirements stated in the supplied technical specification. Final material grade, dimensions, finish and test values shall be those stated on the actual order-specific certificate where applicable.

For CANCO Fasteners

Authorized Signatory



REFERENCE NOTICE — This MTC is a standard reference document. Batch-specific MTCs reflecting actual heat/lot analysis are issued with confirmed customer orders and are available on request.

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