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MATERIAL TEST CERTIFICATE

STANDARD REFERENCE DOCUMENT

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PRODUCT INFORMATION

Product Name	CANCO Leaf Expansion Anchor	Reference Size	Multiple diameters and lengths; custom dimensions subject to drawing approval
Product Category	Mechanical Expansion Anchor	Base Material	Carbon Steel / Stainless Steel AISI 304 / AISI 316 (optional)
Application	Anchoring in concrete, brick, stone and solid masonry	Manufacturing Process	Cold forming or precision machining; thread rolling/machining; controlled expansion slot forming; surface finishing/coating
Surface Finish	Zinc plated / Hot-dip galvanised / Passivated stainless steel / Custom finish	Customisation	Custom dimensions, material changes, special surface treatments, private-label packaging and bulk export
Standards / Specification	Industry-accepted anchoring practices or approved customer drawings		

DESCRIPTION OF PARTS

Item No.	Quantity (Pcs)	Product Type / Components	Material	Finish	Product Image
1	As Per Actual	Anchor body with expansion leaves + threaded internal section or stud interface + expansion cone / actuator (where applicable)	Carbon Steel / Stainless Steel 304 / Stainless Steel 316	Zinc plated / HDG / Passivated / Custom	

CHEMICAL COMPOSITION (REFERENCE) / MECHANICAL PROPERTIES / TESTING

Element	Specification	Verification	Property / Test	Requirement / Status
Carbon (C)	As per selected material grade	Actual heat certificate	Dimensional Inspection	PASS — approved drawing / specification
Manganese (Mn)	As per selected material grade	Actual heat certificate	Visual Inspection	PASS
Silicon (Si)	As per selected material grade	Actual heat certificate	Thread Verification	PASS — as applicable
Chromium (Cr)	As per selected material grade	Actual heat certificate	Surface Finish Inspection	PASS — as ordered
Nickel (Ni)	As per selected material grade	Actual heat certificate	Expansion Function Verification	PASS — functional check

The supplied technical specification defines the 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

Safe Working Load (SWL) is to be determined according to engineering standards and project requirements. Load capacity depends on base material strength, embedment depth, anchor diameter, spacing, edge distance and installation quality.

QUALITY INSPECTION

Raw Material Inspection	✓ PASS / AS ORDERED	Surface Finish Inspection	✓ PASS
Dimensional Inspection	✓ PASS	Thread Verification	✓ PASS
Visual Inspection	✓ PASS	Expansion Function Verification	✓ PASS
Pull-Out Testing	Where required	Material Certification	EN 10204 3.1 available upon request

Manufacturer's Declaration — This standard reference certificate describes the Canco Leaf Expansion Anchor and the quality-control requirements stated in the supplied technical specification. Final material grade, chemical composition, 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 Material Test Certificate is a standard reference document for technical evaluation and product information. The supplied Leaf Expansion Anchor technical specification confirms the product description, components, material options, finishes, size range, manufacturing process and inspection requirements. Batch-specific MTCs reflecting actual heat/lot analysis are issued with confirmed customer orders and are available on request.

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