

MATERIAL TEST CERTIFICATE

STANDARD REFERENCE DOCUMENT — CARRIAGE BOLT

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PRODUCT INFORMATION

Product Name	CANCO Carriage Bolt	Product Type	Externally threaded fastener with domed head and square neck
Material Options	Carbon Steel; Stainless Steel AISI 304; Stainless Steel AISI 316; Alloy Steel on request	Size Range	Metric and inch series; typically M6–M20 or 1/4"–3/4"; custom lengths available
Surface Finishes	Zinc Plated; Hot-Dip Galvanised; Plain / Self Colour; Black Oxide; Custom coating on request	Standards	DIN 603; ISO 8677 where applicable; ASTM A307 carbon steel where applicable; customer specification
Manufacturing	Cold heading; thread rolling; heat treatment for specified grades; surface finishing as specified	Supply	OEM supply, distributor networks and bulk export shipments

PRODUCT IDENTIFICATION



Construction: Rounded dome head with square neck beneath the head.

Function: The square neck locks into the material to prevent bolt rotation while the nut is tightened.

Typical applications: Wood construction, furniture manufacturing, fencing systems, structural timber joints and general fastening applications.

Customisation: Custom dimensions and thread pitch, special head markings, material grade modifications, special surface treatments and private-label packaging.

MATERIAL / COMPONENT SPECIFICATION

Component	Material / Specification	Inspection / Requirement
Bolt body	Mild / Carbon Steel; Stainless Steel 304; Stainless Steel 316; Alloy Steel as specified	Material verification
Head and square neck	Domed head with square neck formed by cold heading	Dimensional inspection
Thread	Rolled external thread; metric or inch series	Thread gauge verification
Surface finish	Zinc plated; hot-dip galvanised; black oxide; plain; custom finish	Visual / coating inspection

REFERENCE SPECIFICATION

Parameter	Reference Value	Qualification
Diameter	Typically M6 to M20 / 1/4" to 3/4"	Actual size as per approved order / drawing
Length	Custom lengths available	As specified
Thread pitch	Metric or inch; custom pitch available	As specified
Dimensional control	Applicable dimensional tolerances	Standard or approved customer drawing

TESTING / INSPECTION REQUIREMENTS

Inspection Item	Requirement	Status
Dimensional inspection	Verify specified dimensions and tolerances against applicable standard or approved drawing	REQUIRED
Thread gauge verification	Verify thread form / pitch using suitable gauges	REQUIRED
Mechanical property testing	Mechanical property testing where applicable to specified grade	IF APPLICABLE
Material certification	EN 10204 3.1 material certification available upon request	ON REQUEST

INSTALLATION / APPLICATION REQUIREMENTS

Item	Requirement	Status
Square neck seating	Square neck must be properly seated into the material before tightening	Required
Washer and nut	Use appropriate washer and nut combination	Required
Torque	Torque values depend on grade and diameter	As specified

STORAGE / PACKAGING

Item	Available Configuration	Status
Packaging	Loose cartons; gunny bags for bulk supply; palletised loads; private-label cartons	AVAILABLE
Export	Containerised export quantities	AVAILABLE
Supply	OEM programmes, distributor supply and bulk export shipments	AVAILABLE

MANUFACTURER'S DECLARATION

Declaration — This standard reference MTC identifies the CANCO Carriage Bolt and summarizes the product, materials, finishes, manufacturing process, dimensional control, testing, inspection, installation, packaging and supply information stated in the supplied Carriage Bolt Technical Data Sheet. Actual batch-specific material grade, dimensions, finish, traceability and test results shall be reported against the confirmed customer order and applicable batch documentation.

For CANCO Fasteners

Authorized Signatory

REFERENCE NOTICE

The supplied technical sheet specifies Carriage Bolts with carbon steel, AISI 304, AISI 316 and alloy steel options; zinc plated, hot-dip galvanised, plain/self-colour, black oxide and custom finishes; DIN 603, ISO 8677 where applicable and ASTM A307 carbon steel where applicable; cold heading, thread rolling and heat treatment for specified grades; dimensional inspection, thread gauge verification, mechanical property testing where applicable and EN 10204 3.1 certification on request.

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