

PTFE COATED STUD

Short Description (Beside Product Image)

High-performance PTFE coated stud designed for corrosion-resistant fastening in aggressive chemical, marine, and industrial environments. The PTFE coating provides excellent chemical resistance, low friction, and anti-seize properties, making it ideal for applications requiring reliable fastening and easy disassembly.

Product Overview

PTFE coated studs are widely used in industries where fasteners are exposed to corrosive chemicals, moisture, or high-temperature environments. The PTFE coating acts as a protective barrier that significantly improves corrosion resistance while reducing friction during installation.

Manufactured from high-strength steel or stainless steel substrates and coated with a uniform PTFE layer, these studs provide long service life and reliable performance in demanding industrial applications.

Quick Specifications

Material Options

Carbon Steel

Alloy Steel

Stainless Steel (AISI 304)

Stainless Steel (AISI 316)

Other grades subject to customer specification

Coating

PTFE (Polytetrafluoroethylene) Coating

Single or multi-layer coating systems available

Custom coating thickness available upon request

Size Range

Available in various diameters and lengths according to standard stud bolt sizes. Common metric and imperial sizes supported. Custom dimensions can be manufactured as per customer drawings.

Standards

DIN 976

ASTM A193 / A320 (depending on base material)

Or manufactured to customer drawings and specifications

Customisation Availability

Custom lengths and diameters

Special coating thickness

Material grade selection

Private label packaging

Bulk export supply configurations

Technical Specification Sheet

PTFE Coated Stud – Technical Data

Product Description

Threaded stud fastener coated with PTFE to provide superior corrosion resistance, chemical protection, and low friction characteristics. Suitable for use in chemical plants, offshore installations, water treatment facilities, and industrial equipment.

Manufacturing Process

Thread rolling or thread cutting

Heat treatment where applicable

Surface preparation before coating

Application of PTFE coating using controlled process

Curing and coating inspection

Material Grades

Carbon Steel

Alloy Steel

Stainless Steel 304

Stainless Steel 316

Other materials upon request

Coating Properties

Excellent chemical resistance

Low friction / anti-seize properties

High corrosion resistance

Improved installation and removal performance

Dimensional Control

Manufactured according to specified tolerances and verified against applicable standards or approved customer drawings.

Testing & Inspection

Dimensional inspection

Thread gauge verification

Coating thickness inspection

Visual surface inspection

Material certification available upon request (EN 10204 3.1)

Typical Applications

Chemical processing plants

Oil & gas installations

Offshore and marine equipment

Water treatment facilities

Industrial machinery and piping systems

Export & Packaging


Loose cartons

Palletised shipments

Private label packaging

Bulk export supply

PTFE coated studs are manufactured according to approved standards or customer drawings and are available for OEM supply, distributor programmes, and export orders.

 +91-9717005153

 Vasu@cancofasteners.com

