



Manufacturer and Stockist of Studbolts, Nuts and Special Fasteners





Quality and Integrity

SFC (Europe) Limited are able to offer the following testing and certification services to guarantee and maintain product integrity in support of our manufacturing capabilities.

Non-Destructive Examination (NDE)

- PMI (Positive Material Identification)
- UTS (Ultrasonic Examination)
- MPI (Magnetic Particle Inspection)
- DPI (Dye Penetrant Inspection)
- Hardness Testing

Laboratory Services

- Tensile Testing
- Proof Load Testing
- Impact Testing (room temperature, low temperature, elevated temperature)
- Stress Rupture Testing
- Chemical Analysis
- Microstructure
- De-carburisation
- Wedge Testing
- Corrosion Testing

Certification Levels

- BS EN 10204 type 3.1 is the standard level of certification for our products

Special Requirements

- BS EN 10204 type 3.2 (Third Party Witness)
- Batch Traceability and Product Coding
- Manufacturing and Certification to specific ITPs
- Guaranteed EU/G7 raw material origins





Who are SFC (Europe) Limited?

SFC (Europe) Limited are leading UK Manufacturers and Stockholders of Studbolts, Nuts and Special Fasteners.

We supply **fully certified and fully traceable** threaded products for use in safety critical applications across the **Oil, Gas, Subsea, Petrochemical, Power Generation** and **Nuclear** industries.

Our **manufacturing** capabilities cover all material types (including nickel alloys) and surface coatings (including PTFE).

Our **core stock range** is made up of ASTM grade materials (Alloy Steels, Stainless Steels, Super Duplex, Grade 660, etc).

1. **Raw materials (plain bar)**
2. **Threaded bar**
3. **Cut length studbolts**
4. **Semi-finished nuts**
5. **Headed products (semi-finished bolts, blanks)**

Our **fully equipped UK facility** allows us to manufacture bespoke products on the shortest of lead times or offer immediate despatch on stock items.

Our **quality management systems** are accredited by **BSI to ISO 9001:2015**.





What do we do?

SFC (Europe) Limited are able to supply a comprehensive scope of certified fastener products using a wide range of material grades and surface coatings.

Materials include:

- ASTM A193/A320 Alloy Steels:
B7, B7M, B16, L7, L7M, L43
- ASTM A193/A320 Stainless Steels:
B8, B8C, B8M, B8T (Class 1 and Class 2), B6
- ASTM A194 Heavy Hex Nuts:
2H, 2HM, 6, 7, 7M, 8/8A, 8C/8CA, 8M/8MA, 8T/8TA
- Precipitation Hardened Stainless Steels:
ASTM A453 Grade 660 (A, B, D), 17/4-PH
- Duplex and Super Duplex (Annealed and Strain Hardened):
UNS S31803 (F51), UNS S32750 (F53), UNS S32760 (F55)
- Austenitic Stainless Steels:
UNS S31254 (F44), Nitronic® 50 (XM-19), Nitronic® 60
- Nickel Alloys: Inconel®, Incoloy®, Monel®, Hasteloy®
- Titanium Alloys

Surface Coatings:

- Zinc Passivation
- Zinc Phosphate
- Zinc Nickel
- HDG
- Xylan
- Xylar

Products include:

- Studbolts (Continuous Thread)
- Studs (Tap End, Double End, Engineer Studs)
- Nuts (Heavy Hex, Hex, Round, Socket, 12 Point)
- Headed Bolts/Screws (Heavy Hex, Hex, Socket, 12 Point)
- Components to Customer Drawings

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How do we do it?

SFC (Europe) Limited combines traditional fastener engineering skills with the latest CNC manufacturing processes. Our internal manufacturing structure is split into 2 main production units.

Standard studbolt production

- Through Thread Rolling
- High Speed Automatic Sawing
- Automatic Chamfering
- Low Stress Vibro-etching
- Nut Over-Tapping (for different surface coatings)
- Nut Drilling for Tommy Bar Holes

Special bolting and machined parts production

- CNC Turning Lathes, CNC Vertical Machining Centres
- Hot Forging
- Plunge Thread Rolling
- Screw Cutting
- Conventional Turning and Milling
- Cold Broaching
- Low Stress Vibro-etching

Manufacturing of threaded components

- Diameter: 0.125" (M3) to 6.000" (M150)
- Length: up to 6 metres
- Threadforms: UNC, UNF, 8UN, Metric (coarse), Metric (fine), BSW, BSF





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