



Manufacturer and Stockist
of **Studbolts, Nuts** and
Special Fasteners



www.sfc-europe.com

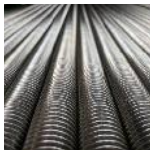
Who are SFC (Europe)?

We are a manufacturer and stockholder of fully certified and traceable fasteners for the Oil & Gas, Defence, Onshore, Offshore and Subsea industries.

SFC (Europe) can supply a comprehensive range of certified fastener products using a wide variety of material grades and surface coatings.

We are an ISO 9001:2015, PED, Merkblatt and **NORSOK M630 2020 MDS D60/D60L** accredited company.

Our core stock range is made up of ASTM Petrochemical, Nickel Alloy and Defence Standard material grades in finished, semi-finished forms and raw material.



THREADED BAR

All thread studing is available from stock in Carbon and Alloy Steels, Stainless Steel and Exotic materials including Duplex, Super Duplex, Nickel and Cupro Nickel Alloys.



HEX NUTS

Heavy hexagon nuts, both imperial and metric, are available from stock. This includes a full range of ASTM grades, Duplex, Super Duplex and Nickel Alloys.



STUDBOLTS/ASSEMBLIES

A comprehensive stock range of finished Studbolts and Studbolt Assemblies, self-colour and coated, complete with Nuts and Washers (if required).



SPECIAL PRODUCTS

Advanced and flexible in-house manufacturing capabilities, combining forging, traditional capstan, broaching and CNC machining processes.



HEADED PRODUCT

With a comprehensive stock of headed product, finished and semi-finished, it enables us to provide same day shipments. Our readily available portfolio includes ASTM grades, Duplex, Super Duplex and Nickel Alloys.



COATING & HEAT TREATMENT

All Products are available with a full range of surface coatings and heat treatments.

visit our website www.sfc-europe.com



Our Core Range of Materials



PETROCHEMICAL GRADES:

⬢ ASTM A193/A320 Alloy Steels:
B5, B7, B7M, B16, L7, L7M, L43

⬢ ASTM A193/A320 Stainless Steels:
B6, B8, B8C, B8M, B8T (Class 1 and Class 2)

⬢ ASTM A194 Heavy Hex Nuts:
2H, 2HM, 3, 4[L], 6, 7[L], 7M[L], 8/8A, 8C/8CA, 8M/8MA, 8R, 8S,
8T/8TA



SPECIALIST GRADES

⬢ Austenitic Stainless Steels:
300 Series, including strain hardened, Nitronic® 50 (XM-19),
Nitronic® 60

⬢ Super Austenitic Stainless Steel:
UNS S31254 (6MO / F44)

⬢ Martensitic Stainless Steels:
400 Series

⬢ Nickel Alloys:
Inconel®, Incoloy®, Monel®, Hastelloy®

⬢ 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), NORSOK D59/D59L,
D60/D60L, S32760 (F55)

⬢ Copper, Brass & Nickel Aluminium Bronze:
NES 833 / 834
DGS 1043 / 1044
70/30 & 90/10 Cupro Nickel
CA104
CZ121

⬢ Titanium Alloys:
Grades 2 & 5

⬢ Defence:
02-862 Pt 3 ISS 3



Machining and Production

Our site is split into two divisions, covering Specialised Manufacturing (special bolting and machined parts), as well as Strategic Stockholding.

ASTM Grade Studbolt Production

- Thread Rolling (Through Rolling)
- High Speed Automatic Sawing
- Automatic Chamfering
- Low Stress Vibro Etching
- Nut Over-Tapping (for different surface coatings)

Special Bolting & Machined Parts

- CNC Turning Lathes
- CNC Vertical Machining Centres
- Hot Forging
- Thread Rolling (Plunge Rolling)
- Polygonal Turning
- 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
- Thread forms: UNC / UNF / 8UN / Metric (coarse & fine) / BSW / BSF
- ACME / Trapezoidal
- Right & Left-Hand Threads



Quality and Integrity

Quality requirements are paramount to all processes within our business, from receipt of materials through to the finished product.

All aspects are processed under the auspices of:

- BSI ISO 9001 2015.
- PED 2014/68/EU Annex I.
- AD 2000-Merkblatt W 0.
- NORSOK MDS M630 2020 D60/D60L.

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Norsok Accredited Manufacturer

As part of our continued development, we are approved to manufacture in accordance with NORSOK M630 2020 MDS D60/D60L supplying Super Duplex UNS S32760 in the following sizes:

🔗 Ranging from 1/2" (M12) to 2.1/2" (M52)

We are also an approved supplier to Equinor, with SFC (Europe) included on the TR2000 approved manufacturers list.

Our core stock includes Studding, Studbolts, Headed product and Nuts, in both finished and semi-finished forms as per the ASTM/ASME grades.



Destructive Testing (Laboratory Services)

Destructive testing by ISO 17025 laboratories:

- Tensile – Room & Elevated Temperature
- Impact – Room / Low / High Temperature
- Hardness – HBW / HV / HRB / HRC
- Corrosion
- Proof Load
- Check Analysis
- Macro etch
- Microstructure
- Ferrite Count & Ferritoscope
- De-Carburisation
- Stress Rupture
- HIC / SSCC
- Salt Spray Testing
- Wedge Testing



NDT Testing (In-house & Third-Party Services)

Non-Destructive testing by BINDT qualified operatives:

- Keyence (Dimensional Inspection)
- Hardness Testing (HRB / HRC)
- Ferritoscope Testing
- PMI (Positive Material Identification)
- UT (Ultrasonic Examination of barstock)
- MPI (Magnetic Particle Inspection)
- DPI (Dye Penetrant Inspection)



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