



Fasteners for safety critical applications

Fasteners for the Subsea Industry

Deep Connections



Brand Promises & Mission Statement:

Dependable.
Adaptable.
Sustainable.

The Cooper Turner Beck Group's mission is to lead the industry in delivering innovative, safety-critical fastening solutions that drive the globe towards a more resilient and more sustainable future.

Our dedication to quality, sustainability, and customer satisfaction underpins our end-to-end comprehensive service.

From development to manufacture and distribution, we work together to fasten a secure and sustainable future for generations to come.

Manufacturers and Distributors of fasteners for safety critical applications

We understand that the offshore and global subsea sectors require high integrity subsea bolting and fasteners, with more exacting properties that have been designed to withstand the challenges of this demanding industry and severe environments where the risk of bolting failure and corrosion levels are extremely high.

All parts supplied have the full level of traceability that guarantees our products the highest levels of integrity. To ensure absolute reliability we have implemented production control and documentation procedures to the highest standards which are evidenced through our accreditations to API 20E (BSL 1, 2 & 3) and API 20F (BSL 2 & 3).

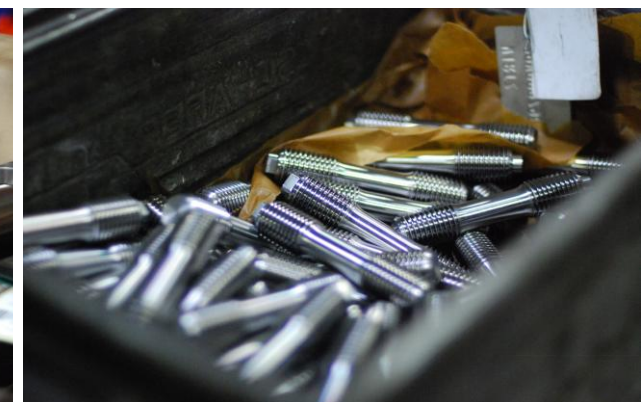
We have a wide range of exotic grades (AISI 4340, A 453 Grade 660, Duplex and Superduplex UNS 32760, Inconel 718 and 625) for a variety of applications which include but are not limited to; BOP, Christmas trees, Riser bolts structures, piping, spool, flowline and anchors.

Accredited Laboratory

Our in-house ISO 17025 independently accredited laboratory is equipped with the very best testing equipment and inspection procedures.

All products are rigorously scrutinised prior to dispatch to ensure quality standards are met and well documented.

Third party inspection can be arranged with any of the leading agencies including Lloyds, TUV and DNV.





Subsea Bolting Materials

Fastener Type	Material	Specification	Size
Bolts, screws and studs	Low Alloy Steel	ASTM A193 B7 ASTM A193 B7M	Up to M150 & 6"
Bolts, screws and studs	Low Alloy Steel	ASTM A320 L7 ASTM A320 L7M	Up to M64 & 2.5"
Bolts, screws and studs	Low Alloy Steel	ASTM A320 L43	Up to M100 & 4"
Nuts	Low Alloy Steel	ASTM A194 2H ASTM A194 2HM	Up to M150 & 6"
Nuts	Low Alloy Steel	ASTM A194 7 ASTM A194 7M	Up to M150 & 6"
Bolts, screws and studs	Austenitic Corrosion Resistant Stainless Steel	EN ISO 3506-1	M3 to M39
Nuts	Austenitic Corrosion Resistant Stainless Steel	EN ISO 3506-2	M5 to M39
Bolts, screws, studs, nuts and washers	Precipitation Hardening Austenitic Stainless Steel	ASTM A453 660 A/D	No restrictions
Bolts, screws and studs	Nickel Alloy	ASTM F468/F468M UNS N06625	M6 to M36 (1/4" to 1.1/2")
Nuts	Nickel Alloy	ASTM F467/F467M UNS N06625	M6 to M36 (1/4" to 1.1/2")
Bolts, screws, studs, nuts and washers	Nickel Alloy	API 6ACRA N07718	No restrictions
Bolts, screws, studs, nuts and washers	Nickel Alloy	API 6ACRA N09925	No restrictions

Other available material grades

- ASTM A193 / A320 B8 (Class 1 and 2), ASTM A193 / A320 B8M (Class 1 and 2), ASTM A193 B16
- Stainless Steel (304 / 316 / 317 / 410 / 431), Duplex Stainless Steel UNS31803 (F51 / 2205)
- Super Duplex Stainless Steel UNS32750 (F53), Super Duplex Stainless Steel UNS32760 (F55)
- Titanium Grades 2 and 5
- UNS R30035 (MP35N®)





Subsea Bolting Products & Surface Coatings

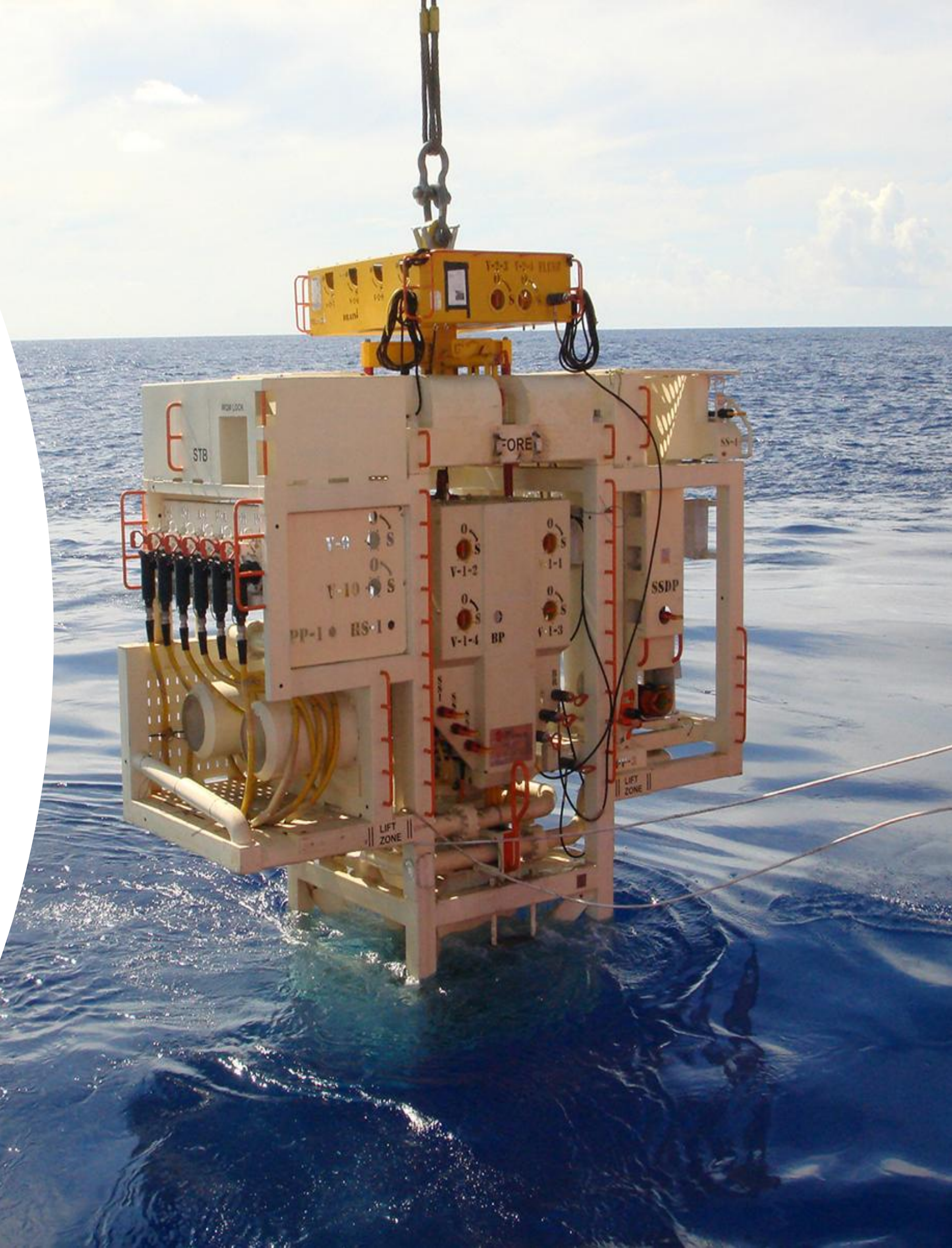
We manufacture and supply the following products:

- Studbolts / Tie Rods
- Engineer Studs / Double End Studs
- All socket products
- Hexagon Nuts / Lock Nuts
- Riser bolts are special high integrity bolting with demanding metallurgical and physical properties. We are one of the few suppliers able to manufacture the components out of materials such as AISI 4340.

Subsea Bolting Surface Coatings

Fasteners with special coatings are used for subsea & offshore applications where the bolting is subjected to a highly corrosive environment.

- The following surface treatments are used for subsea bolting:
- Zinc Nickel
- Zinc Cobalt
- Zinc
- Xylan® / PTFE / Teflon
- XYLAR®
- Takecoat®





End-to-End Capabilities

1

Consultancy

Our experts collaborate with clients to define project requirements, ensuring precision in design, material selection, and regulatory compliance.

2

Prototyping

We bring initial designs to life through rapid prototyping, allowing clients to assess performance and confirm specifications before full production.

3

Testing

Our ISO-certified testing ensures every product meets the highest safety and durability standards through comprehensive stress and environmental trials.

4

Manufacturing

Using advanced techniques like CNC machining and automation, we deliver complex, high-quality fasteners tailored to each client's needs.

5

Storage

Our strategically located warehouses support just-in-time delivery, with optimal storage conditions that maintain product integrity.

6

Distribution

With 21 global facilities, our distribution network ensures timely, cost-effective delivery to keep client projects on schedule.



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