

BUXTON SPECIAL ALLOYS LTD.

Your partner in Steel



BUXTON SPECIAL ALLOYS, YOUR PARTNER IN STEEL.

Buxton Special Alloys is a UK Stockholder and Machinist of Stainless Steel, Duplex, Super Duplex and Nickel Alloys.

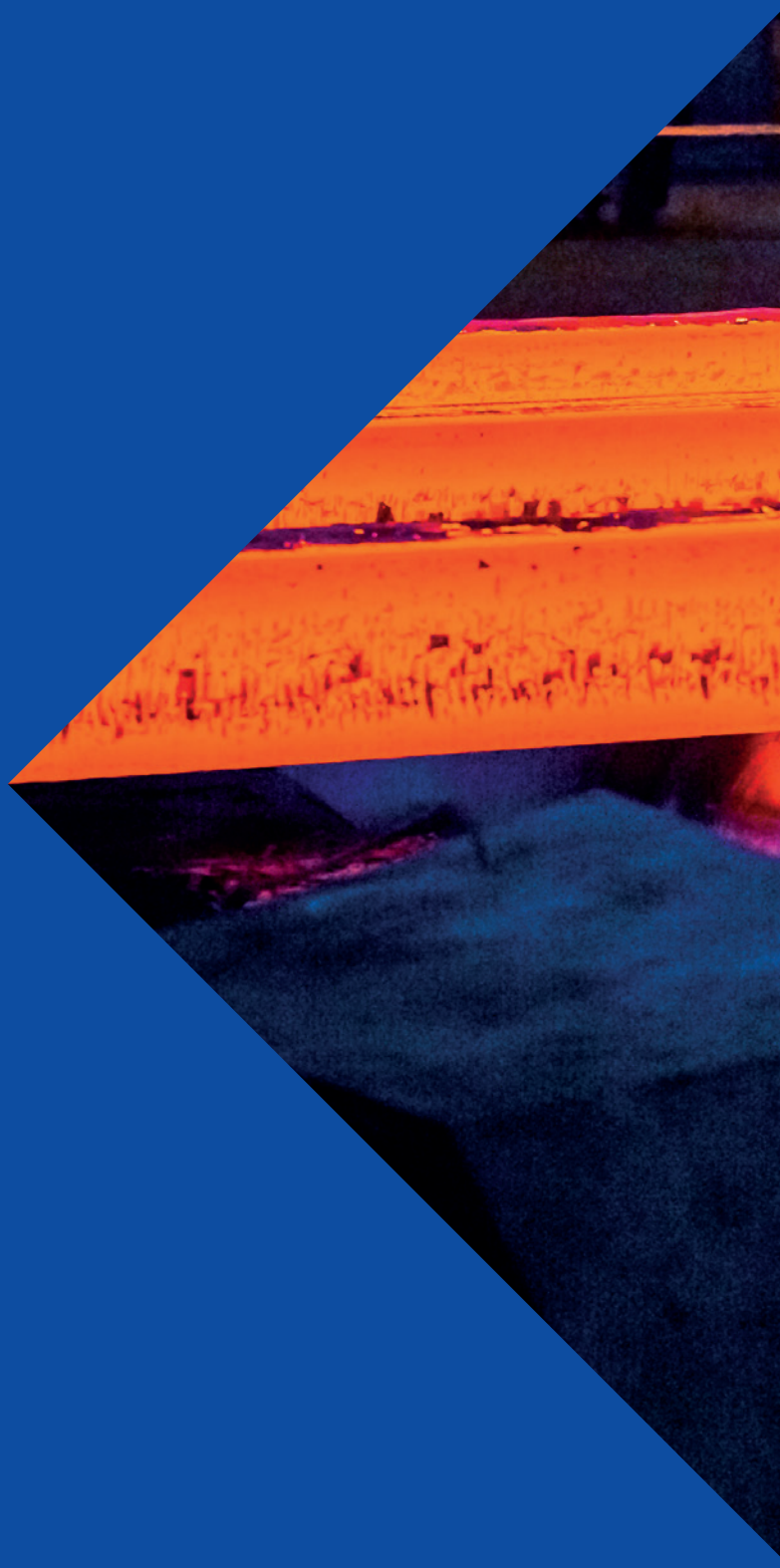
Our main grades consist of **300 series, F51, F53, F55, F44, 17-4PH, 32550, XM-19, Alloy 800, Alloy 800HT, Alloy 825, Alloy 20, Alloy 28, Alloy 625, Alloy 600, Invar 36** and many more on application. We also supply customer modified specifications and low cobalt grades of stainless for nuclear application.

Our product range consists of Re-Forging Billets, Rolled and Forged Bars, Cut Pieces, Rings, Hollow Bored Bars, Bored and Honed Hollow Bars, Forgings Flanges and Machined Components.

We have more than 25 years of experience across numerous market sectors including oil and gas, marine, aerospace, petrochemical and many more. Find out more at buxtonspecialalloys.com

Our stock is available from central UK locations allowing us to serve UK, European and World markets. Our products are supplied in accordance with relevant NORSOK standards.

BSA represents the mill Stavanger Steel AS in the UK, USA and in many parts of Europe. Stavanger Steel AS are a mill based in Norway who specialise in the production of Duplex, Super Duplex and Nickel Alloy Steels and are able to offer these in small 12,000KG melt quantities.



OUR PRODUCTS

Our bars and billets are used for all types of forged products such as discs, rings, valves, forged parts, flanges and axles.

Re-Forging Billet



We stock forged and re-rolled Stainless Steel, Duplex, Super Duplex and Nickel Alloy billets in various grades with certified chemical analysis. Billets are UT inspected, and are supplied fully ground and clean ended. They can also be supplied cut to customer requirements.

Our stock sizes range from 80mm to 600mm round and square, with lengths up to 8 metres.

Rolled & Forged Bar



Buxton Special Alloys holds a wide variety of stock in Stainless Steel, Duplex, Super Duplex, Nickel Alloys and some Carbon Steels. Our stock ranges from 80mm to 600mm in diameter with 3.1/3.2 certification, rolled/forged and Peeled/Turned.

Our key stock grades are **F51, F55, F53, F44, UNS 32550, 17-4ph, XM19, Alloy 20, Alloy 825, Alloy 625**, and many other grades. Our Duplex and Super Duplex grades are all supplied under the NORSOK approval.

Our extensive knowledge of the market supported by our strong partnerships with mills enables us to supply grades that are not readily available from stock at competitive prices.



Cut Pieces

We currently operate four fully automated saws enabling us to cut up to 600mm in diameter.

Our saws are currently operating 24 hours a day, 7 days a week, enabling us to supply express deliveries.

Rings

Our Rings are produced from bars and proof machined to customer drawings. Positioned in the heart of Sheffield we have a wealth of experienced subcontract machine shops, enabling us to supply Rings with very quick deliveries and offer the customer a product close to their finished requirement.

We offer Rings from 60mm to 600mm in diameter machined from solid bars with a minimum wall thickness of 10mm.

We can also offer part finished machined to customer drawings.

Honed and Hollow Bars

Hollow Bored Bars are machined from solid, enabling us to control the wall thickness. We can produce various sizes up to 600mm in diameter with 12mm minimum wall thickness. Depending on the diameter we can machine up to 6 meters in length. We can also offer a honed finish on the inside diameter of the tubes.

Bored and Honed Hollow Bored Bars, are available in our stock and are tough manufactured to close concentricity and straightness tolerances.

Forgings

Buxton Special Alloys have long term partnerships with a number of Forging companies throughout Europe. We have the ability to supply open die, closed die and ring rolled forgings up to 15 metric tons starting weight. We collaborate with numerous mills who have decades of experience in oil and gas, nuclear and sub-sea.

Flanges

Buxton Special Alloys also has long term relationships with a number of flange manufacturers from all over the world. We have the ability to supply all kinds of flanges in short deliveries.

Material Standards:

ASTM AND ASME

Dimensional Standards:

ASME B16.5, B16.36, B16.47, B16.48, AWWA, DIN, DIN EN ISO 9001:2000, DIN / EN 1092, certified by TÜV, TOTAL, GL, DNV, PED, BV, Saudi Aramco, PDO, KOC, Shell, EIL.

Size and Pressure Class Abilities

DN 10 - DN 2200" | 2627 - 2638 | 2527 / PN 6 - PN 400

Size and Pressure Class Abilities ASME B16.5

1/2" thru 102" | 150# | 300# | 600# | 900# | 1500# | 2500#

Machined Components

We are committed to offering the customer as close to their finished product as possible and we now offer machined components. We are producing manifolds for large oil and gas sub contractors, down hole tooling and various other machined parts for different industries.

MATERIAL GRADES

- Austenitic Grades
- Duplex Grades
- Nickel Alloys
- Carbon Steel
- Grain Structural Steel

 Find out more at [buxtonspecialalloys.com](https://www.buxtonspecialalloys.com)

MARKET SECTORS

- Oil and Gas
- Marine
- Aerospace
- Petrochemical
- Military
- Nuclear
- General Machining

For full details on all our products and grades visit [buxtonspecialalloys.com](https://www.buxtonspecialalloys.com)



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