



**THE ENERGY SECTOR
& CO₂-REDUCED
METAL SOLUTIONS**

Metal Solutions of Tomorrow

ABOUT US

At ASD, we provide our energy customers with the perfect infrastructure for their supply chain solutions with a complete in-house offering tailored to the industry.

We supply products and processing solutions for a wide variety of offshore and onshore fabrication and MRO projects across all field stages including discovery, development, decommissioning and energy transition.

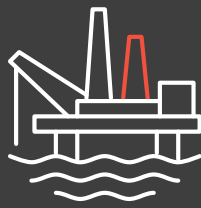


WHAT DIFFERENTIATES US

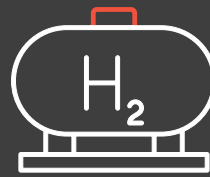
Total Metals Management (TMM) is a unique service offered to customers in specialist sectors like oil & gas, renewables, nuclear and hydrogen. When working on a complex project, we handpick a team of ASD experts to make sure the demanding requirements of your project are met and ensure smooth execution, from enquiry to delivery.



RENEWABLES



OIL & GAS



HYDROGEN



NUCLEAR

We work closely with our customers and suppliers to develop new material solutions and innovative products to support the energy industry. By providing high-performance steel and services, backed **by dedicated support and knowledge**, we deliver and meet the demands within the energy sector.

CARBON STEEL LINE PIPE PRODUCTS

We stock thousands of tonnes of Line Pipe products, Fittings and Flanges. Available in various grades, diameters and wall thicknesses, these Carbon Steel conveyance pipes are designed for high pressure applications.

They come in a variety of grades, which makes them ideal for use within oil refineries, gas plants and storage, as well as the hydrogen and the nuclear industry.



LINE PIPE

Available in various grades, nominal bores and schedule wall thicknesses.

Seamless Line Pipe API 5L GRB PSL1 / ASTM A106 GRB

Seamless Line Pipe ASTM A333 GR6 / ASME SA 333 GR6

Seamless Line Pipe API 5L GR X52 PSL1

TATA Welded Line Pipe API 5L GRB

FITTINGS & FLANGES

Butt Weld Fittings ASTM 420 GR WPL6 & ASTM A234 GR WPB

Flanges ASTM A350 LF2 & ASTM A105N / ASME SA105N



We also supply packages of **Stainless Steel, Duplex & Super Duplex** Pipe, Fittings & Flanges.

OUR CARBON RANGE

STRUCTURAL SECTIONS

We stock a comprehensive range of Structural Sections in grades S275 and S355:



Universal Beams

127mm x 76mm to 914mm x 305mm



Universal Columns

152mm x 152mm to 356mm x 406mm



Rolled Steel Angles RSA Equal

Up to 200mm x 200mm



Rolled Steel Angles RSA Unequal

Up to 200mm x 150mm



Parallel Flange Channels

76mm x 38mm to 430mm x 100mm

We also offer a full range of IPE, IPN, UPE, UPN, HEA, HEB & HEM Continental Sections in grade S355J2.

HOLLOW SECTIONS

Our Hot and Cold Formed Hollow Sections are available in S355J2H CF and S355J2H HF grades:



Square Hollow Sections (SHS)

40mm x 40mm to 400mm x 400mm



Rectangle Hollow Sections (RHS)

50mm x 30mm to 500mm x 300mm



Circular Hollow Sections (CHS)

26.9mm Dia x 3.2mm to 323.9mm Dia x 12.5mm

Project Plate Supply

At ASD, we have built an extensive global supply network that allows us to cover any size of project plate requirement in partnership with our ISO-accredited mill suppliers.

PLATES	
Thickness Range – 6mm to 300mm	
Standard Stock Sizes 6mm to 50mm	4000mm x 2000mm
	5000mm x 2500mm
	6000mm x 3000mm
	8000mm x 2000mm
	10000mm x 2500mm
	12000mm x 3000mm



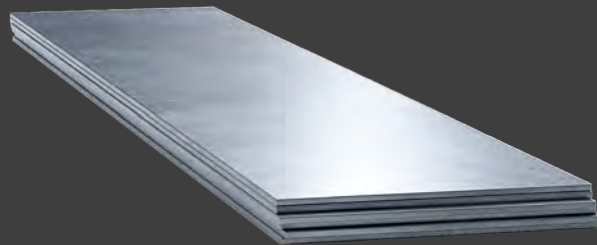
PLATE SPECIFICATIONS		
BOILER & PRESSURE VESSEL	STRUCTURAL GRADES	OTHER GRADES
EN 10028 Part 2 Grade P265GH	EN 10025 Part 2 Grade S275JR + AR	High Strength to EN 10025-6:2004 RQT 701 & S690QL (multi certified) to EN 10204
EN 10028 Part 3 Grades P355NL1 & NL2	EN 10025 Part 3 Grade S355NL	
EN 10207 Grade P265S	EN 10025 Part 2 Grade S355J2 + N	Abrasion Plate / Abrazo 400 to EN10204
ASTM A.516 Grades 60, 65 & 70	OFFSHORE STRUCTURAL	COR-TEN® Weathering Steel to EN 10025-5
ASTE SA.516 Grades 60, 65 & 70	EN 10225 Grade S355G8 + N	Lloyds Grade A / DNV Grade A Dual Certified EN10204 3.2 LRS / DNV
BS 1501-161 Grade 430B	EN 10225 Grade S355G8 + M	
BS 1501-223, 224 & 225 Grade 490BLT50	EN 10225 Grade S355G10 + N	SHIPBUILDING MARINE GRADE
	EN 10225 Grade S355G10 + M	AH36 / DH36 / EH36

Processing Capabilities

To view our portfolio of processing capabilities, please refer to our value-added services brochure, which includes the following: tube & flat laser, water jet, profiling, bending/forming, sawing & drilling, shot blasting & painting and de-coiling capabilities.

STAINLESS STEEL PRODUCTS

Flat Products	Thickness Range mm	Grades
Duplex (in acc. to Norsok)	1.5 - 20	2205 / LDX2101 / 2507
Cold Rolled	0.4 - 6	304L / 316L / 321 / 430 / 1.4003 / 31803
Hot Rolled & Quarto	2.5 - 50	304L / 316L / 321 / 1.4003 / 31803
Tubular Products	Sizes mm	Grades
Circular Hollow Sections (CHS)	12.7 OD - 114.3 OD	304L / 316L
Square Hollow Sections (SHS)	20 Sq - 150 Sq	304L / 316L / 430 / 1.4003
Rectangle Hollow Sections (RHS)	25 x 15 - 150 x 100	304L / 316L / 1.4003
Long Products	Sizes mm	Grades
Rounds	3 Dia - 60 Dia	303 / 304L / 316L
Channels	100 x 50 x 5 - 150 x 75 x 6	304L / 316L
Angles	20 x 20 x 3 - 100 x 100 x 12	304L / 316L
Flats	12 x 3 - 200 x 12	304L / 316L



ALUMINIUM PRODUCTS

Flat Products	Thickness Range mm	Grades
Sheets	0.5 - 6	1050 / 5251 / 5005 AQ / 5083 / 6082
Plates	8 - 25	5083 / 6082
Extrusions	Sizes mm	Grades
Circular Tubes	12.7 OD - 152.4 OD	6063 / 6082
Square / Rectangle Tubes	19.05 x 19.05 x 3.18 - 101.6 x 101.6 x 3.18	6063 / 6082
Channels	19.05 x 19.05 x 1.6 - 101.6 x 50.8 x 3.18	6063 / 6082
Angles	12.7 x 12.7 x 1.6 - 101.6 x 50.8 x 6.35	6063 / 6082
Flat Bars	19.05 x 3.18 - 63.5 x 3.18	6063 / 6082

SUPPLYING CO₂ REDUCED SOLUTIONS

As the UK's energy sector transitions towards low-carbon energy sources and invests in new renewable infrastructure, it's essential to adopt a holistic approach to sustainability. This includes not only the energy sources themselves but also the materials used in infrastructure development and maintenance. Sourcing low-carbon steel and metal solutions is a crucial part of this transition, helping to reduce the carbon footprint of the energy sector as a whole.

At ASD, we recognise the importance of this shift towards sustainability and have taken proactive steps to support our customers in this journey. We have established a robust supply chain infrastructure that can support procurement of CO₂-reduced steel and metal products. Our commitment to delivering environmentally responsible solutions extends across our entire range of products and services, ensuring that we meet the evolving needs of the energy industry while contributing to global efforts to combat climate change.





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