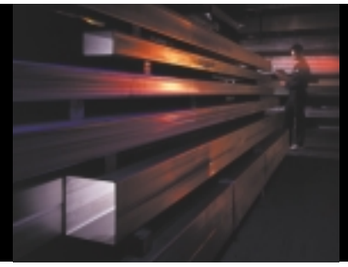
For more information on Aalco visit www.barbourproductsearch.info



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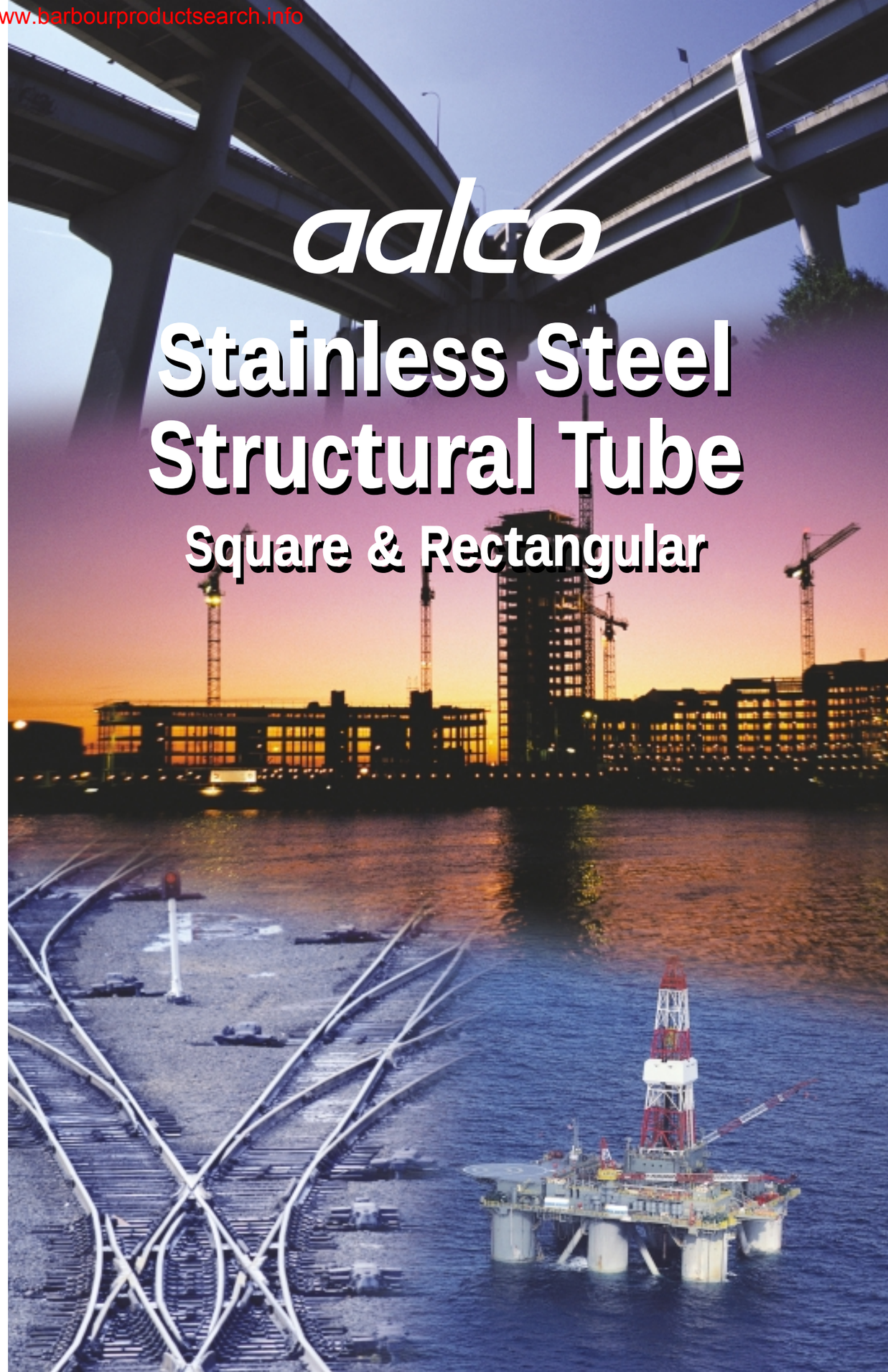

aalco

Stainless Steel Structural Tube

Square & Rectangular

For more information on Aalco visit www.barbourproductsearch.info

STOCK RANGE

Stainless Steel Structural Tube Square & Rectangular

Stainless steel is a very popular structural material for its unique combination of properties combining high strength, corrosion resistance, fire resistance, ductility, formability & weldability, good bending & torsional properties with the ability to withstand continual temperature variations.

The Aalco stock range of structural stainless steel tube is shown in the tables opposite.

- The square tube range extends up to a massive 250mm square
- Rectangular sizes up to 300mm x 200mm are also available
- The stock covers Grades 304 and 316
- All items are available from stock in descaled finish. Surface polishing can be arranged on request
- Other sizes up to 300 x 300 x 12.5mm and 400 x 200 x 12.5mm are available to order
- The standard lengths are 6 metres, backed by a full cut to length service
- **For production orders, special lengths can be supplied to meet specific project requirements**

As with all Aalco products, the supplier has been carefully selected and vetted to ensure that Aalco customers are assured of quality products at competitive prices.

The tubes are produced using state of the art production technology on some of the world's largest mills. The continuous process feeds strip into roll-forming followed by longitudinal welding using either the TIG or TIG/Plasma process followed by Eddy-Current weld integrity verification. The welded joint is located in the centre of the narrower face.

Complimenting this range are many other Stainless Steel products used in structural applications including:

- Flat & Angle Bar
- Sheet & Plate
- Welded Mesh
- Handrail Section Tube
- Round tube up to 100mm (4") diameter and 3mm wall

Tolerances

	Dimensions	Tolerances
External Dimensions	< 100mm	+ or – 1%
	100mm to 200mm	+ or – 0.8%
	>200mm to 400mm	+ or – 0.6%
Thickness	< 5mm	+ or – 10%
	5mm and over	+ or – 0.5mm
Squareness	All	90º + or – 1º
Straightness	All	Max deviation 0.15%
Twist	All	2mm+0.5mm/m
Side Convexity x 1 **Side Concavity x 2**	All	Max 0.8% / Min 0.5%
External Corner Radius	Thickness (t) up to 6mm	(1.6 – 2.4) t
	Thickness (t) over 6mm	(2.4 – 3.6) t

Application examples

Architecture, Building & Construction	Offshore engineering	Food, Beverage & Process Plant
Heavy Engineering & Machinery	Drying Plant	Beer Bottling Machines
Paper Making Machinery	Load-Bearing Structures	Packaging Machinery
Catwalks	Facades	Railways & Underground Railways
Bus & Coach Chassis	Acoustic Structures	Mining

Aalco, the UK's largest independent multi-metals stockholder, offers a complete range of semi-finished products in stainless steel, aluminium, copper, brass, bronze and nickel alloys. The 10,000 item standard stock range is supported by extensive processing facilities as well as bespoke items for particular industries and individual customers.

For further information on Aalco structural tube, a copy of the full product catalogue, pricing or to place an order, please contact your local branch as shown on the back of this leaflet.

Rectangular Tube

Size	Size	Thk	304	316	weight kg/mtr
300	100	8	x	x	47.25
250	150	8	x	x	47.25
250	150	6	x		36.9
200	150	8	x		47.25
200	150	6	x		36.9
200	100	10	x	x	41.65
200	100	8	x	x	34.3
200	100	6	x		27.4
200	100	5	x	x	22.4
200	100	4	x	x	18.6
150	100	8	x	x	27.9
150	100	6	x	x	22.6
150	100	5	x	x	18.8
150	100	4	x	x	15.4
150	100	3	x	x	11.66
150	50	5	x		15.38
150	50	3	x		9.53
120	80	5	x	x	15.38
120	80	4	x		12.4
120	80	3	x	x	9.53
120	60	5	x		13.75
120	60	4	x		11.1
120	60	3	x		8.39
100	60	3	x		7.53
100	50	5	x	x	11.24
100	50	4	x		9.1
100	50	3	x	x	6.95
100	40	3	x		6.53
80	60	3	x		6.53
80	40	5	x	x	8.9
80	40	4	x	x	7.22
80	40	3	x	x	5.49

Square Tube

Size	Size	Thk	304	316	weight kg/mtr
250	250	10	x	x	73.5
250	250	8	x		59.45
200	200	10	x	x	57.6
200	200	8	x	x	47.25
200	200	6	x	x	36.9
200	200	5	x	x	30.8
150	150	10	x		41.65
150	150	8	x		34.3
150	150	6	x	x	27.36
150	150	5	x	x	23
150	150	4	x	x	18.64
120	120	6	x	x	21.2
120	120	5	x	x	18.66
120	120	4	x	x	15.03
100	100	8	x	x	21.6
100	100	6	x	x	17.5
100	100	5	x	x	15.38
100	100	4	x	x	12.4
100	100	3	x	x	9.53
80	80	5	x		12.39
80	80	4	x	x	9.82
80	80	3	x		7.53