

aalco[®]

Stainless Steel Structural Tube

Square & Rectangular



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.

Complementing 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	90° + or - 1°
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 Aalco Service Centre as shown on the back of this leaflet.

STOCK RANGE



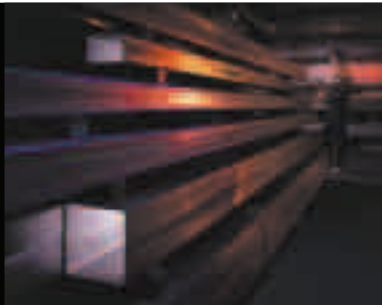
Rectangular Tube

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



**ABERDEEN**

Unit 9B, Peterseat Drive
Peterseat Park, Altens
Aberdeen, AB12 3HT
Tel: 01224 854810
Fax: 01224 871982
e-mail: aberdeen@aalco.co.uk

AYLESBURY

Unit 1, Premus
Coldharbour Way, Aylesbury
Buckinghamshire, HP19 8AP
Tel: 02890 838 838
Fax: 02890 837 837
e-mail: belfast@aalco.co.uk

BELFAST

The Belfast Metal Centre
20 McKinney Road
Newtownabbey
County Antrim, BT36 4PE
Tel: 02890 838 838
Fax: 02890 837 837
e-mail: belfast@aalco.co.uk

BIRMINGHAM

Shelah Road
Halesowen
West Midlands B63 3PH
Tel: 0121 585 3600
Fax: 0121 585 6864
e-mail: birmingham@aalco.co.uk

CHEPSTOW

Avenue West
Newhouse Park Estate
Chepstow
Monmouthshire NP16 6UD
Tel: 01291 638 638
Fax: 01291 638 600
e-mail: chepstow@aalco.co.uk

DYFED

Units 3-4
Capel Hendre Industrial Estate
Ammanford
Carmarthenshire SA18 3SJ
Tel: 01269 842044
Fax: 01269 845276
e-mail: dyfed@aalco.co.uk

ESSEX

Unit 2 Carnival Park
Festival Way
Basildon
Essex, SS14 3WN
Tel: 01268 884200
Fax: 01268 884220
e-mail: essex@aalco.co.uk

GLASGOW

117 Clydesmill Place
Cambuslang Investment Park
Glasgow G32 8RF
Tel: 0141 646 3200
Fax: 0141 646 3260
e-mail: glasgow@aalco.co.uk

HULL

Saxon Way
Priory Park West
Hessle
Hull HU13 9PB
Tel: 01482 626262
Fax: 01482 626263
e-mail: hull@aalco.co.uk

LEEDS

Unit 1, Revie Road
off Elland Road
Leeds LS11 8JG
Tel: 0113 276 3300
Fax: 0113 276 0382
e-mail: leeds@aalco.co.uk

LIVERPOOL

207 Great Howard Street
Liverpool L5 9ZH
Tel: 0151 207 3551
Fax: 0151 207 2657
e-mail: liverpool@aalco.co.uk

MANCHESTER

Express Trading Estate
Stone Hill Road
Farnworth
Bolton BL4 9NN
Tel: 01204 863456
Fax: 01204 863430
e-mail: manchester@aalco.co.uk

NEWCASTLE

First Avenue
Team Valley Trading Estate
Gateshead
Tyne & Wear NE11 0NU
Tel: 0191 491 1133
Fax: 0191 491 1177
e-mail: newcastle@aalco.co.uk

NORWICH

Roundtree Way
Mousehold Lane
Norwich NR7 8SR
Tel: 01603 787878
Fax: 01603 789999
e-mail: norwich@aalco.co.uk

NOTTINGHAM

Harrimans Lane
Dunkirk
Nottingham NG7 2SD
Tel: 0115 988 2600
Fax: 0115 988 2636
e-mail: nottingham@aalco.co.uk

SOUTHAMPTON

Test Lane
Nursling
Southampton SO16 9TA
Tel: 02380 875200
Fax: 02380 875275
e-mail: southampton@aalco.co.uk

STOKE

Unit F, Forge Way
Brown Lees Industrial Estate
Biddulph
Stoke-on-Trent ST8 7DN
Tel: 01782 375700
Fax: 01782 375701
e-mail: stoke@aalco.co.uk

SWANLEY

Unit 7
The Interchnage
Wested Lane
Swanley
Kent BR8 8TE
Tel: 01322 610900
Fax: 01322 610910
e-mail: swanley@aalco.co.uk