



BARRETT STEEL
OFFSHORE



**Serving the
Offshore
Industry**

barrettoffshore.com



A dedicated service to your sector

Barrett Steel Offshore offers a focused service to the Offshore & Renewables Energy Market. Our core range of **Hot and Cold formed circular, square & rectangular sections** are available from stock with short delivery lead-times. Our Range of hollow section is detailed in this brochure as well as our hollow section processing capabilities.

Other grades of hollow sections & tubes are available on request through our wider network or from new mill rolling. All material is sourced from European mills/suppliers and supplied with **EN10204 3.1** certification as standard.

To compliment our hollow section stock and processing capabilities we also have a wide range of **secondary products**:

- ☐ Heavy wall seamless pipes
- ☐ UB/UC Sections
- ☐ PFC's
- ☐ Angles
- ☐ Flats
- ☐ Plates
- ☐ Safety & Access products including open steel flooring and GRP

For more information about these products please contact: **sales@barrettoffshore.com**

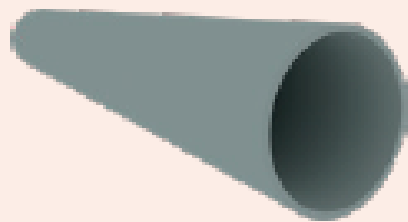


LASER CUT HOLLOW SECTION

Our specialist in house Barrett Tubes team have over 20 years' experience in Hollow Section Laser Cutting. We currently have 12 Tube Lasers across the group including a RB1500 CNC Plasma Gas Tube Profiler (which can cut tubulars up to 100mm thick).

This means as a Barrett depot we have direct access to hollow section processing capabilities which are unrivalled within the UK steel stockholding industry.

Our 12 hollow section lasers can cut the following section sizes:



CHS Circular Hollow Section
from 12mm to 508mm - thickness
up to 16mm

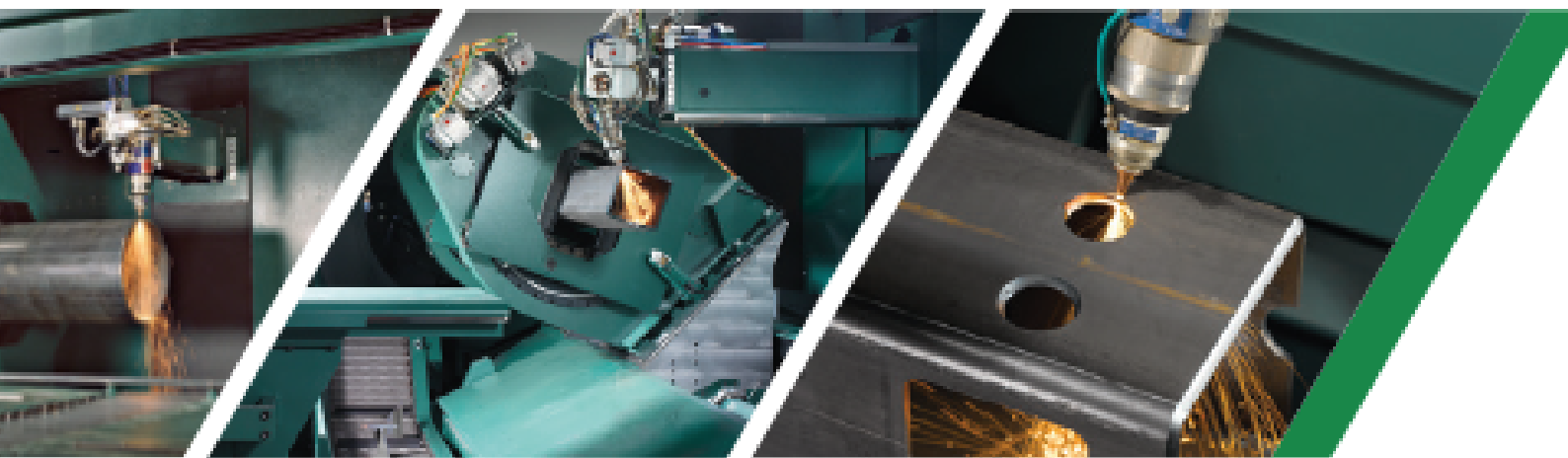


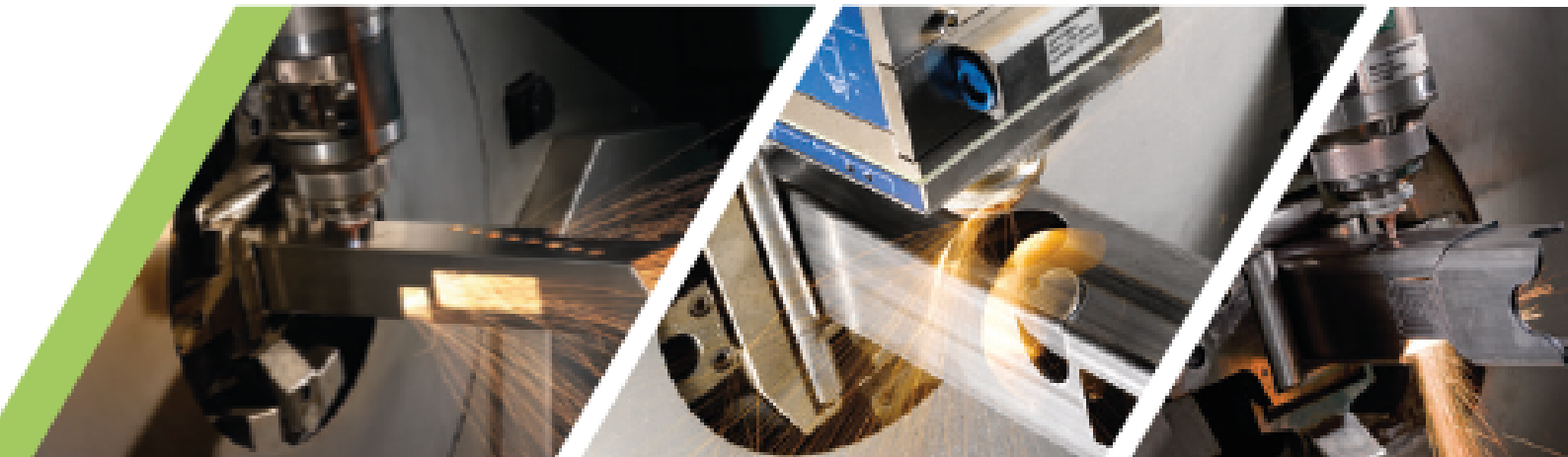
RHS Rectangular Hollow Section
from 25mm x 12mm to 500mm x
300mm - thickness up to 16mm



SHS Square Hollow Section
from 12mm x 12mm to 400mm x 400mm - thickness up to 16mm

Our tube lasers can take material
from 3200mm to 18000mm in length (3.2m to 18m)





Our LT20/LT14 Jumbo Lasers

LT14 Jumbo laser tube cutting has brought significant processing and economic benefits to the fabrication and assembly of mechanical sections in a wide range of applications.

Benefits from using the LT14 include:

- The ability to process components at larger diameters and with heavier weights per piece (up to 200kgm).
- Shorter lead times – machine's latest touch screen interface uses an operating system that is up to 30% faster than previous versions
- Reductions in downstream assembly costs thanks to the possibility of obtaining stricter fabrication tolerances resulting in high quality and accurate assembly components
- Allows creative design and further supports innovative solutions

Our LT7 Fibre Lasers

We now have two LT7 Fibre Lasers within the group and it is the Fastest Production Tube Laser in the UK, processing Mild Steel, Stainless Steel, Aluminium, Copper, Brass and can work in 3D mode offering time saving weld preps.

Our LT20, LT14, LT8 and LT7 Lasers all have 3D Cutting Heads enabling the addition of time saving weld preparations. All these, including holes, slots and mixed profiles, are all done in one pass.



Experts in tube plasma profiling

The latest addition to our processing capabilities is the ultra modern 6 axis tube/pipe plasma profiler.

Based at our Middlesbrough site, this machine offers innovative technology and ground-breaking software for processing pipe up to 1524mm diameter. It's main functions include scalloping and both standard and reverse weld preparations. It can also be used on 'free issue' material, where customers are offered the choice of buying either processed steel or supplying the parent material.

Capabilities

Number of CNC axes: 6

Max. workpiece weight in kg: 15,000

Min.-max. clampable round pipe diameter in mm: 80 - 1,524

Max. size of chuck opening in mm: 950

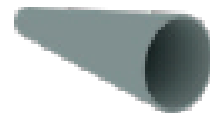
Min.-max. cuttable workpiece length in mm: 300 - 18,000

Min.-max. wall thickness in mm for cutting with oxy-fuel/plasma in mm: 5-150 / 1-80

Max. torch angle in °: +/- 70 / 45

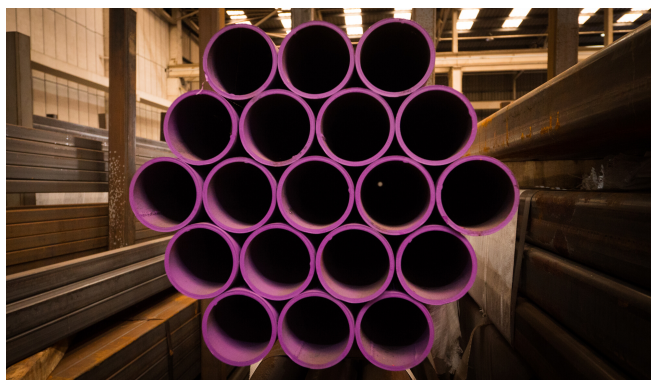


CHS / CIRCULAR HOLLOW SECTION



BS EN 10219-1: 2006

Size (mm)	Kg/m	Size (mm)	Kg/m	Size (mm)	Kg/m
21.3 x 3.0	1.35	88.9 x 3.0	6.36	219.1 x 5.0	26.40
26.9 x 2.0	1.23	88.9 x 4.0	8.38	219.1 x 6.0	31.50
26.9 x 2.5	1.50	88.9 x 5.0	10.30	219.1 x 8.0	41.60
26.9 x 3.0	1.77	114.3 x 3.0	8.23	219.1 x 10.0	51.60
33.7 x 2.0	1.56	114.3 x 3.5	9.56	219.1 x 12.5	63.70
33.7 x 2.5	1.92	114.3 x 4.0	10.90	219.1 x 16.0	80.10
33.7 x 3.0	2.27	114.3 x 5.0	13.50	244.5 x 6.0	35.30
33.7 x 4.0	2.93	114.3 x 6.0	16.00	244.5 x 8.0	46.70
42.4 x 2.0	1.99	139.7 x 4.0	13.40	244.5 x 10.0	57.80
42.4 x 2.5	2.46	139.7 x 5.0	16.60	244.5 x 12.5	71.50
42.4 x 3.0	2.91	139.7 x 6.0	19.80	244.5 x 16.0	90.20
42.4 x 3.2	3.09	139.7 x 8.0	26.00	273.0 x 6.0	39.50
42.4 x 4.0	3.79	139.7 x 10.0	32.00	273.0 x 8.0	52.30
48.3 x 2.5	2.82	168.3 x 4.0	16.20	273.0 x 10.0	64.90
48.3 x 3.0	3.35	168.3 x 5.0	20.10	273.0 x 12.5	80.30
48.3 x 3.2	3.59	168.3 x 6.0	24.00	273.0 x 16.0	101.00
48.3 x 4.0	4.37	168.3 x 8.0	31.60	323.9 x 6.0	47.00
48.3 x 5.0	5.34	168.3 x 10.0	39.00	323.9 x 8.0	62.30
60.3 x 3.0	4.24	168.3 x 12.5	48.00	323.9 x 10.0	77.40
60.3 x 3.5	4.90	193.7 x 4.0	18.70	323.9 x 12.5	96.00
60.3 x 4.0	5.55	193.7 x 5.0	23.30	323.9 x 16.0	121.00
60.3 x 5.0	6.82	193.7 x 6.0	27.80		
76.1 x 3.0	5.41	193.7 x 8.0	36.60		
76.1 x 4.0	7.11	193.7 x 10.0	45.30		
76.1 x 5.0	8.77	193.7 x 12.5	55.90		



SHS / SQUARE HOLLOW SECTION



BS EN 10219-1: 2006

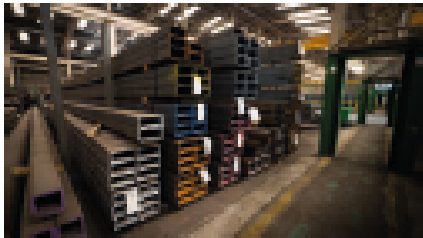
Size (mm)	Kg/m	Size (mm)	Kg/m	Size (mm)	Kg/m
25 x 25 x 2.0	1.36	80 x 80 x 6.0	13.20	150 x 150 x 10.0	41.30
25 x 25 x 2.5	1.64	80 x 80 x 8.0	16.40	160 x 160 x 5.0	23.80
25 x 25 x 3.0	1.89	90 x 90 x 3.0	8.01	160 x 160 x 6.0	28.30
30 x 30 x 2.0	1.68	90 x 90 x 3.5	9.26	160 x 160 x 8.0	36.50
30 x 30 x 2.5	2.03	90 x 90 x 4.0	10.50	160 x 160 x 10.0	44.40
30 x 30 x 3.0	2.36	90 x 90 x 5.0	12.80	180 x 180 x 5.0	27.00
40 x 40 x 2.0	2.31	90 x 90 x 6.0	15.10	180 x 180 x 6.0	32.10
40 x 40 x 2.5	2.82	90 x 90 x 8.0	18.90	180 x 180 x 8.0	41.50
40 x 40 x 3.0	3.30	100 x 100 x 3.0	8.96	180 x 180 x 10.0	50.70
40 x 40 x 4.0	4.20	100 x 100 x 4.0	11.70	180 x 180 x 12.5	60.50
50 x 50 x 2.0	2.93	100 x 100 x 5.0	14.40	200 x 200 x 5.0	30.10
50 x 50 x 2.5	3.60	100 x 100 x 6.0	17.00	200 x 200 x 6.0	35.80
50 x 50 x 3.0	4.25	100 x 100 x 8.0	21.40	200 x 200 x 8.0	46.50
50 x 50 x 4.0	5.45	100 x 100 x 10.0	27.40	200 x 200 x 10.0	57.00
50 x 50 x 5.0	6.56	120 x 120 x 4.0	14.20	200 x 200 x 12.5	68.30
50 x 50 x 6.0	7.87	120 x 120 x 5.0	17.50	250 x 250 x 6.0	45.20
60 x 60 x 3.0	5.19	120 x 120 x 6.0	20.70	250 x 250 x 8.0	59.10
60 x 60 x 4.0	6.71	120 x 120 x 8.0	26.40	250 x 250 x 10.0	72.70
60 x 60 x 5.0	8.13	120 x 120 x 10.0	31.80	250 x 250 x 12.5	88.00
70 x 70 x 3.0	6.13	140 x 140 x 4.0	16.80	300 x 300 x 6.0	54.70
70 x 70 x 3.5	7.06	140 x 140 x 5.0	20.70	300 x 300 x 8.0	71.60
70 x 70 x 4.0	7.97	140 x 140 x 6.0	24.50	300 x 300 x 10.0	88.40
70 x 70 x 5.0	9.70	140 x 140 x 8.0	31.40	300 x 300 x 12.5	108.00
80 x 80 x 3.0	7.07	140 x 140 x 10.0	38.10		
80 x 80 x 3.5	8.16	150 x 150 x 5.0	22.30		
80 x 80 x 4.0	9.22	150 x 150 x 6.0	26.40		
80 x 80 x 5.0	11.30	150 x 150 x 8.0	33.90		



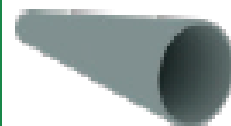
RHS / RECTANGULAR HOLLOW SECTION



BS EN 10219-1: 2006

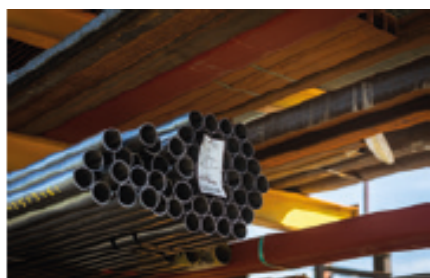
Size (mm)	Kg/m	Size (mm)	Kg/m	Size (mm)	Kg/m
50 x 25 x 2	2.15	100 x 60 x 3.5	8.16	200 x 150 x 8	40.20
50 x 25 x 2.5	2.62	100 x 60 x 5	11.30	200 x 150 x 10	49.10
50 x 25 x 3	3.07	100 x 60 x 6	13.20	250 x 150 x 5	30.10
50 x 30 x 2	2.31	100 x 60 x 8	17.50	250 x 150 x 6	35.80
50 x 30 x 2.5	2.82	120 x 60 x 3	8.01	250 x 150 x 8	46.50
50 x 30 x 3	3.30	120 x 60 x 3.5	9.26	250 x 150 x 10	57.00
50 x 30 x 4	4.20	120 x 60 x 5	12.80	250 x 150 x 12.5	68.30
60 x 30 x 3	3.88	120 x 60 x 6	15.10	300 x 100 x 6	35.80
60 x 40 x 2.5	3.60	120 x 80 x 3	8.96	300 x 100 x 8	46.50
60 x 40 x 3	4.25	120 x 80 x 4	11.70	300 x 100 x 10	57.00
60 x 40 x 4	5.45	120 x 80 x 5	14.40	300 x 100 x 12.5	68.40
60 x 40 x 5	6.56	120 x 80 x 6	17.00	300 x 200 x 6	45.20
70 x 40 x 3	4.72	120 x 80 x 8	21.40	300 x 200 x 8	59.10
70 x 40 x 4	6.08	120 x 80 x 10	27.40	300 x 200 x 10	72.70
70 x 50 x 3	5.19	150 x 100 x 4	14.90	300 x 200 x 12.5	88.00
70 x 50 x 4	6.71	150 x 100 x 5	18.30	400 x 200 x 8	71.60
75 x 50 x 3	5.42	150 x 100 x 6	21.70	400 x 200 x 10	88.40
80 x 40 x 3	5.19	150 x 100 x 8	27.70	400 x 200 x 12.5	108.00
80 x 40 x 4	6.71	150 x 100 x 10	33.40		
80 x 40 x 5	8.13	160 x 80 x 4	14.20		
80 x 50 x 3	5.66	160 x 80 x 5	17.50		
80 x 50 x 4	7.34	160 x 80 x 6	20.70		
80 x 50 x 5	8.91	160 x 80 x 8	26.40		
90 x 50 x 3	6.13	160 x 80 x 10	31.80		
90 x 50 x 3.5	7.06	200 x 100 x 4	18.00		
90 x 50 x 4	7.97	200 x 100 x 5	22.30		
90 x 50 x 5	9.70	200 x 100 x 6.0	26.40		
100 x 50 x 2.5	5.56	200 x 100 x 8	33.90		
100 x 50 x 3	6.60	200 x 100 x 10	41.30		
100 x 50 x 4	8.59	200 x 100 x 12.5	48.70		
100 x 50 x 5	10.50	200 x 120 x 5	23.80		
100 x 50 x 6	12.30	200 x 120 x 6	28.30		
100 x 60 x 3	7.07	200 x 150 x 6	31.10		

CHS / CIRCULAR HOLLOW SECTION



BS EN 10210-1: 2006

Size (mm)	Kg/m	Size (mm)	Kg/m	Size (mm)	Kg/m
21.3 x 3.2	1.43	139.7 x 6.3	20.70	273.0 x 8.0	52.30
26.9 x 3.2	1.87	139.7 x 8.0	26.00	273.0 x 10.0	64.90
33.7 x 2.6	1.99	139.7 x 10.0	32.00	273.0 x 12.5	80.30
33.7 x 3.2	2.41	168.3 x 5.0	20.10	273.0 x 16	101.00
33.7 x 4.0	2.93	168.3 x 6.3	25.20	323.9 x 6.3	49.30
42.4 x 2.6	2.55	168.3 x 8.0	31.60	323.9 x 8.0	62.30
42.4 x 3.2	3.09	168.3 x 10.0	39.00	323.9 x 10.0	77.40
42.4 x 4.0	3.79	168.3 x 12.5	48.00	323.9 x 12.5	96.00
48.3 x 3.2	3.56	193.7 x 5.0	23.30	323.9 x 16.0	121.00
48.3 x 4.0	4.37	193.7 x 6.3	29.10	355.6 x 8.0	68.60
48.3 x 5.0	5.34	193.7 x 8.0	36.60	355.6 x 10.0	85.20
60.3 x 3.2	4.51	193.7 x 10.0	45.30	355.6 x 12.5	106.00
60.3 x 4.0	5.55	193.7 x 12.5	55.90	355.6 x 16.0	134.00
60.3 x 5.0	6.82	219.1 x 5.0	26.40	406.4 x 8.0	78.60
76.1 x 3.2	5.75	219.1 x 6.3	33.10	406.4 x 10.0	97.80
76.1 x 4.0	7.11	219.1 x 8.0	41.60	406.4 x 12.5	121.00
76.1 x 5.0	8.77	219.1 x 10.0	51.60	406.4 x 16.0	154.00
88.9 x 3.2	6.76	219.1 x 12.5	63.70	457.0 x 8.0	88.60
88.9 x 4.0	8.38	219.1 x 16.0	80.10	457.0 x 10.0	110.00
88.9 x 5.0	10.30	244.5 x 6.3	37.00	457.0 x 12.5	137.00
88.9 x 6.3	12.80	244.5 x 8.0	46.70	457.0 x 16.0	174.00
114.3 x 3.6	9.83	244.5 x 10.0	57.80	508.0 x 10.0	123.00
114.3 x 5.0	13.50	244.5 x 12.5	71.50	508.0 x 12.5	153.00
114.3 x 6.3	16.80	244.5 x 16	90.20	508.0 x 16.0	194.00
139.7 x 5.0	16.60	273.0 x 6.3	41.40		



SHS / SQUARE HOLLOW SECTION



BS EN 10210-1: 2006

Size (mm)	Kg/m	Size (mm)	Kg/m	Size (mm)	Kg/m
40 x 40 x 3.0	3.41	120 x 120 x 6.3	22.20	250 x 250 x 10.0	74.50
40 x 40 x 3.2	3.61	120 x 120 x 8.0	27.60	250 x 250 x 12.5	91.90
40 x 40 x 4.0	4.39	120 x 120 x 10.0	33.70	250 x 250 x 16.0	115.00
40 x 40 x 5.0	5.28	120 x 120 x 12.5	40.90	300 x 300 x 6.3	57.80
50 x 50 x 3.0	4.35	140 x 140 x 5.0	21.00	300 x 300 x 8.0	72.80
50 x 50 x 3.2	4.62	140 x 140 x 6.3	26.10	300 x 300 x 10.0	90.20
50 x 50 x 4.0	5.64	140 x 140 x 8.0	32.60	300 x 300 x 12.5	112.00
50 x 50 x 5.0	6.85	140 x 140 x 10.0	40.00	300 x 300 x 16.0	141.00
50 x 50 x 6.3	8.31	140 x 140 x 12.5	48.70	350 x 350 x 8.0	85.40
60 x 60 x 3.0	5.29	150 x 150 x 5.0	22.60	350 x 350 x 10.0	106.00
60 x 60 x 3.2	5.62	150 x 150 x 6.3	28.10	350 x 350 x 12.5	131.00
60 x 60 x 4.0	6.90	150 x 150 x 8.0	35.10	350 x 350 x 16.0	166.00
60 x 60 x 5.0	8.42	150 x 150 x 10.0	43.10	400 x 400 x 10.0	122.00
60 x 60 x 6.3	10.30	150 x 150 x 12.5	52.70	400 x 400 x 12.5	151.00
60 x 60 x 8.0	12.50	150 x 150 x 16.0	65.20	400 x 400 x 16.0	191.00
70 x 70 x 3.0	6.24	160 x 160 x 5.0	24.10		
70 x 70 x 3.6	7.40	160 x 160 x 6.3	30.10		
70 x 70 x 5.0	9.99	160 x 160 x 8.0	37.60		
70 x 70 x 6.3	12.30	160 x 160 x 10.0	46.30		
70 x 70 x 8.0	15.00	160 x 160 x 12.5	56.60		
80 x 80 x 3.0	7.18	160 x 160 x 16.0	70.20		
80 x 80 x 3.6	8.53	180 x 180 x 5.0	27.30		
80 x 80 x 5.0	11.60	180 x 180 x 6.3	34.00		
80 x 80 x 6.3	14.20	180 x 180 x 8.0	42.70		
80 x 80 x 8.0	17.50	180 x 180 x 10.0	52.50		
90 x 90 x 3.6	9.66	180 x 180 x 12.5	64.40		
90 x 90 x 5.0	13.10	180 x 180 x 16.0	80.20		
90 x 90 x 6.3	16.20	200 x 200 x 5.0	30.40		
90 x 90 x 8.0	20.10	200 x 200 x 6.3	38.00		
100 x 100 x 4.0	11.90	200 x 200 x 8.0	47.70		
100 x 100 x 5.0	14.70	200 x 200 x 10.0	58.80		
100 x 100 x 6.3	18.20	200 x 200 x 12.5	72.30		
100 x 100 x 8.0	22.60	200 x 200 x 16.0	90.30		
100 x 100 x 10.0	27.40	250 x 250 x 6.3	47.90		
120 x 120 x 5.0	17.80	250 x 250 x 8.0	60.30		

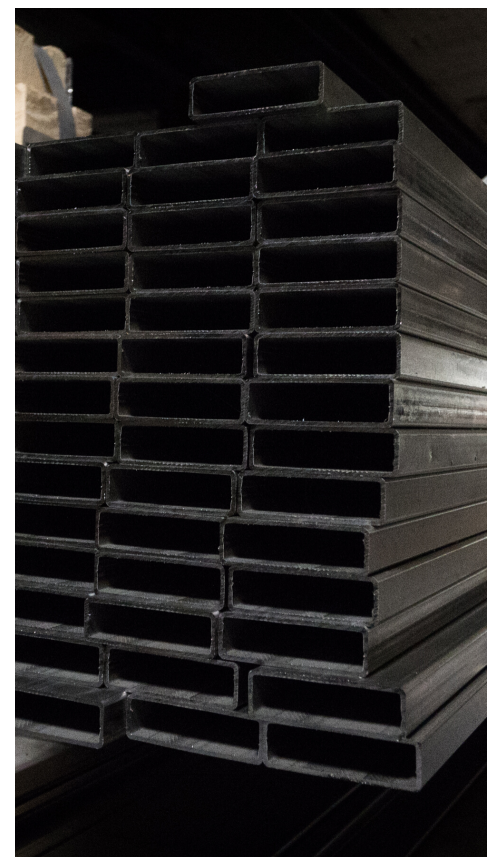


RHS / RECTANGULAR HOLLOW SECTION



BS EN 10210-1: 2006

Size (mm)	Kg/m	Size (mm)	Kg/m	Size (mm)	Kg/m
50 x 30 x 3.2	36.10	150 x 100 x 10.0	35.30	400 x 200 x 8.0	72.80
50 x 30 x 4.0	4.39	150 x 100 x 12.5	42.80	400 x 200 x 10.0	90.20
50 x 30 x 5.0	5.28	160 x 80 x 4.0	14.40	400 x 200 x 12.5	112.00
60 x 40 x 3.2	4.62	160 x 80 x 5.0	17.80	400 x 200 x 16.0	141.00
60 x 40 x 4.0	5.64	160 x 80 x 6.3	22.20	450 x 250 x 8.0	85.40
60 x 40 x 5.0	6.85	160 x 80 x 8.0	27.60	450 x 250 x 10.0	106.00
80 x 40 x 3.2	5.62	160 x 80 x 10.0	33.70	450 x 250 x 12.5	131.00
80 x 40 x 4.0	6.90	160 x 80 x 12.5	40.90	450 x 250 x 16.0	166.00
80 x 40 x 5.0	8.42	200 x 100 x 5.0	22.60	500 x 300 x 10.0	122.00
80 x 40 x 6.3	10.30	200 x 100 x 6.3	28.10	500 x 300 x 12.5	151.00
90 x 50 x 3.6	7.40	200 x 100 x 8.0	35.10	500 x 300 x 16.0	191.00
90 x 50 x 5.0	9.99	200 x 100 x 10.0	43.10		
90 x 50 x 6.3	12.30	200 x 100 x 12.5	52.70		
100 x 50 x 3.2	7.13	200 x 100 x 16.0	65.20		
100 x 50 x 4.0	8.78	200 x 120 x 5.0	24.10		
100 x 50 x 5.0	10.80	200 x 120 x 6.3	30.10		
100 x 50 x 6.3	13.30	200 x 120 x 8.0	37.60		
100 x 50 x 8.0	16.30	200 x 120 x 10.0	46.30		
100 x 60 x 3.6	8.53	200 x 120 x 12.5	56.60		
100 x 60 x 5.0	11.60	200 x 150 x 8.0	41.40		
100 x 60 x 6.3	14.20	200 x 150 x 10.0	51.00		
100 x 60 x 8.0	17.50	250 x 100 x 6.3	33.00		
120 x 60 x 3.6	9.66	250 x 150 x 5.0	30.40		
120 x 60 x 5.0	13.10	250 x 150 x 6.3	38.00		
120 x 60 x 6.3	16.20	250 x 150 x 8.0	47.70		
120 x 60 x 8.0	20.10	250 x 150 x 10.0	58.80		
120 x 80 x 5.0	14.70	250 x 150 x 12.5	72.30		
120 x 80 x 6.3	18.20	250 x 150 x 16.0	90.30		
120 x 80 x 8.0	22.60	300 x 100 x 8.0	47.70		
120 x 80 x 10.0	27.40	300 x 100 x 10.0	58.80		
150 x 100 x 4.0	15.10	300 x 200 x 6.3	47.90		
150 x 100 x 5.0	18.60	300 x 200 x 8.0	60.30		
150 x 100 x 6.0	21.70	300 x 200 x 10.0	74.50		
150 x 100 x 6.3	23.10	300 x 200 x 12.5	91.90		
150 x 100 x 8.0	28.90	300 x 200 x 16.0	115.00		



MEDIUM NOMINAL BORE TUBE

BS EN 10255 :2004

Available in self-colour, painted or galvanised with either screwed and socketed or plain ends.

Nominal Bore (mm)	Outside Diameter (mm)		Thickness (mm)
	(min)	(max)	
8	13.30	13.90	2.35
10	16.80	17.40	2.35
15	21.10	21.70	2.65
20	26.60	27.20	2.65
25	33.40	34.20	3.25
32	40.10	42.90	3.25
40	48.00	48.80	3.25
50	59.80	60.80	3.65
65	75.40	76.60	3.65
80	88.10	89.50	4.05
100	113.30	114.90	4.05
125	138.70	140.60	4.85
150	164.10	166.10	4.85





BARRETT STEEL
OFFSHORE



Barrett Steel Offshore Limited
Forty Foot Road
Middlesbrough
TS2 1HG
T: **01506 537448**
E: **sales@barrettoffshore.com**

Registered Office: Barrett House, Cutler Heights Lane,
Dudley Hill, Bradford, BD4 9HU
Company Reg No. 2755292

**CREATIVITY, INNOVATION,
TECHNICAL MASTERY**

barrettoffshore.com