

european tubes



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european tubes ltd



SPECIAL NOTICE

European Tubes Limited is a well established stockholder and distributor in the supply of hot finished and cold drawn seamless carbon steel tubes. We have been assessed and certified as meeting the requirements of BS EN 9001:2008.

We offer a complete service from the sound technical knowledge of our sales team, through to the quality committed works backed up with our own transport fleet, giving you the right product at the right price, at the right time.

Although our stocks are comprehensive we welcome enquiries for any qualities or sizes not listed in this brochure. Our vast experience of sourcing goods from the European market coupled with our own stocks means a range second to none. Our tubes are generally stocked in random lengths however single or multiple precision cut lengths can be supplied to customer's requirements.

While our customer list includes some of the biggest names known in British industry it also contains many smaller firms. So whatever your requirement be it large or small try ETL for a friendly reliable service.



To compliment our extensive stock range that follows, please be aware we can also source, on short lead times, the following specifications;

Cold drawn seamless, metric sizes to specification EN 10305-1 E235+C.
Sizes from 6.0 – 250mm OD and 1.0 - 15mm wall.

Cold drawn seamless, mild steel tubes for hydraulic and pneumatic purposes:
To specification EN 10305-4 E235+N.
Sizes from 3/16" – 2" O.D. and 6.0mm – 42mm O.D.

Hot finishes seamless, mechanical, mild steel tube to EN 10216-1 P235 TR2.

Hot finished seamless and welded, mild steel pipes to specifications,
ASTM A106 grade B and API5L grade B.
Sizes from 1/4" NB – 36" NB with schedule walls from standard weight up to XXS.

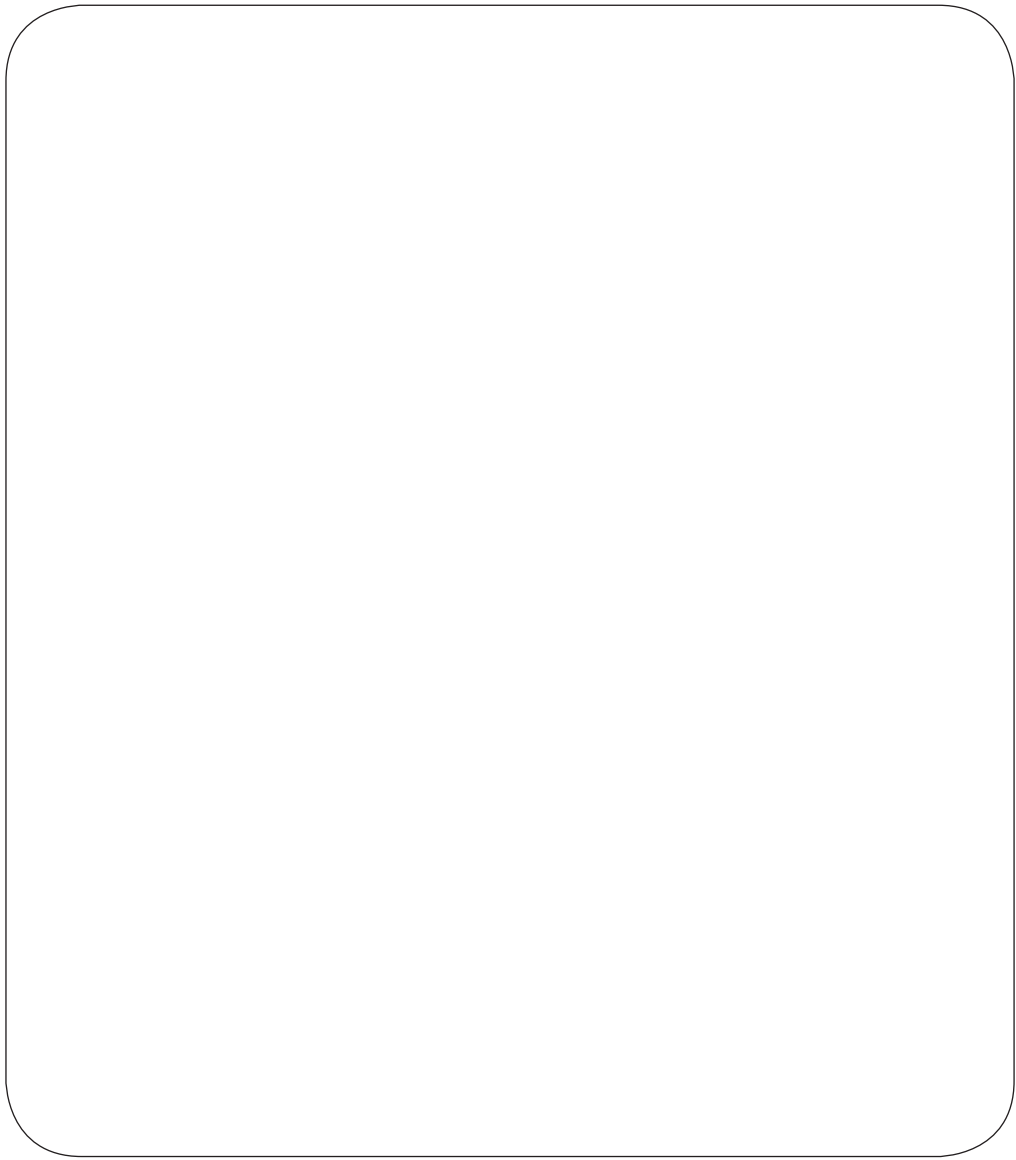
BS1387 (EN 10255) Steam tube in self colour, black, red primer painted and galvanised
In medium and heavy thickness. Sizes from 3/8" NB up to 6" NB with plain ends or screwed
and socketed.

Welded, mild steel tube to specification EN 10305-3/5 E220. Sizes from 3/8" – 6" O.D. and
walls from 20swg (0.91mm) up to 8swg (4.06mm).

Boiler tubes to the following specifications.
EN 10216-2 P235GH TC1 and EN 10216-2 13 CrMo4-5.



NOTES



Seamless mechanical steel tube

METRIC SIZES				IMPERIAL SIZES				WEIGHT	REFERENCE
O.D.	Wall	Bore	O.D.	Wall	Bore	KG/MTR			
9.52	0.91	7.70	3/8	20s.w.g.	0.303	0.19			
9.52	1.22	7.08	3/8	18s.w.g.	0.279	0.25			
9.52	1.63	6.26	3/8	16s.w.g.	0.246	0.32			
9.52	2.03	5.46	3/8	14s.w.g.	0.215	0.38			
11.11	0.91	9.29	7/16	20s.w.g.	0.366	0.23			
11.11	1.22	8.67	7/16	18s.w.g.	0.341	0.30			
11.11	1.63	7.85	7/16	16s.w.g.	0.309	0.38			
11.11	2.03	7.05	7/16	14s.w.g.	0.278	0.46			
12.70	1.22	10.26	1/2	18s.w.g.	0.404	0.35			
12.70	1.63	9.44	1/2	16s.w.g.	0.371	0.45			
12.70	2.03	8.64	1/2	14s.w.g.	0.340	0.54			
12.70	2.64	7.42	1/2	12s.w.g.	0.292	0.66			
12.70	3.25	6.20	1/2	10s.w.g.	0.244	0.76			
12.70	4.06	4.58	1/2	8s.w.g.	0.180	0.87			
14.29	1.22	11.85	9/16	18s.w.g.	0.467	0.39			
14.29	1.63	11.03	9/16	16s.w.g.	0.434	0.51			
14.29	2.03	10.23	9/16	14s.w.g.	0.403	0.62			
14.29	2.64	9.01	9/16	12s.w.g.	0.355	0.76			
14.29	3.25	7.79	9/16	10s.w.g.	0.307	0.89			
15.88	1.22	13.44	5/8	18s.w.g.	0.529	0.44			
15.88	1.63	12.62	5/8	16s.w.g.	0.497	0.57			
15.88	2.03	11.82	5/8	14s.w.g.	0.465	0.69			
15.88	2.64	10.60	5/8	12s.w.g.	0.417	0.86			
15.88	3.25	9.38	5/8	10s.w.g.	0.369	1.01			
15.88	4.06	7.76	5/8	8s.w.g.	0.306	1.19			
15.88	4.88	6.12	5/8	6s.w.g.	0.241	1.33			
16.00	3.00	10.00				0.96			
17.46	1.22	15.02	1 1/16	18s.w.g.	0.591	0.49			

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METRIC SIZES			IMPERIAL SIZES			WEIGHT	REFERENCE
O.D.	Wall	Bore	O.D.	Wall	Bore	KG/MTR	
17.46	1.63	14.20	11/16	16s.w.g.	0.559	0.64	
17.46	2.03	13.40	11/16	14s.w.g.	0.528	0.77	
17.46	2.64	12.18	11/16	12s.w.g.	0.480	0.97	
17.46	3.25	10.96	11/16	10s.w.g.	0.431	1.14	
19.00	3.00	13.00				1.19	
19.05	0.91	17.23	3/4	20s.w.g.	0.678	0.41	
19.05	1.22	16.61	3/4	18s.w.g.	0.654	0.54	
19.05	1.42	16.21	3/4	17s.w.g.	0.638	0.62	
19.05	1.63	15.79	3/4	16s.w.g.	0.622	0.70	
19.05	2.03	14.99	3/4	14s.w.g.	0.590	0.85	
19.05	2.34	14.37	3/4	13s.w.g.	0.566	0.97	
19.05	2.64	13.77	3/4	12s.w.g.	0.542	1.07	
19.05	3.25	12.55	3/4	10s.w.g.	0.494	1.27	
19.05	4.06	10.93	3/4	8s.w.g.	0.430	1.50	
19.05	4.88	9.29	3/4	6s.w.g.	0.366	1.71	
19.05	6.35	6.35	3/4	1/4	0.250	1.99	
20.00	1.50	17.00				0.69	
20.00	2.00	16.00				0.89	
20.00	2.50	15.00				1.08	
20.00	3.00	14.00				1.26	
20.00	4.00	12.00				1.58	
20.64	3.25	14.14	13/16	10s.w.g.	0.557	1.40	
22.22	1.22	19.78	7/8	18s.w.g.	0.779	0.63	
22.22	1.42	19.38	7/8	17s.w.g.	0.763	0.73	
22.22	1.63	18.96	7/8	16s.w.g.	0.747	0.83	
22.22	2.03	18.16	7/8	14s.w.g.	0.715	1.01	
22.22	2.64	16.94	7/8	12s.w.g.	0.667	1.28	
22.22	3.25	15.72	7/8	10s.w.g.	0.619	1.52	
22.22	4.06	14.10	7/8	8s.w.g.	0.555	1.82	
22.22	4.88	12.46	7/8	6s.w.g.	0.491	2.09	
22.22	6.35	9.52	7/8	1/4	0.375	2.49	
25.40	1.22	22.96	1	18s.w.g.	0.904	0.73	
25.40	1.63	22.14	1	16s.w.g.	0.872	0.96	
25.40	2.03	21.34	1	14s.w.g.	0.840	1.17	

METRIC SIZES			IMPERIAL SIZES			WEIGHT	REFERENCE
O.D.	Wall	Bore	O.D.	Wall	Bore	KG/MTR	
25.40	2.64	20.12	1	12s.w.g.	0.792	1.48	
25.40	2.95	19.50	1	11s.w.g.	0.768	1.64	
25.40	3.25	18.90	1	10s.w.g.	0.744	1.78	
25.40	4.06	17.28	1	8s.w.g.	0.680	2.14	
25.40	4.47	16.46	1	7s.w.g.	0.648	2.31	
25.40	4.88	15.64	1	6s.w.g.	0.616	2.47	
25.40	6.35	12.70	1	1/4	0.500	2.99	
26.99	1.63	23.73	1 1/16	16s.w.g.	0.934	1.02	
26.99	2.03	22.93	1 1/16	14s.w.g.	0.903	1.25	
26.99	2.64	21.71	1 1/16	12s.w.g.	0.855	1.59	
26.99	3.25	20.49	1 1/16	10s.w.g.	0.807	1.91	
26.99	4.06	18.87	1 1/16	8s.w.g.	0.743	2.30	
26.99	4.88	17.23	1 1/16	6s.w.g.	0.678	2.67	
28.58	1.63	25.32	1 1/8	16s.w.g.	0.997	1.09	
28.58	2.03	24.52	1 1/8	14s.w.g.	0.965	1.33	
28.58	2.64	23.30	1 1/8	12s.w.g.	0.917	1.69	
28.58	3.25	22.08	1 1/8	10s.w.g.	0.869	2.03	
28.58	4.06	20.46	1 1/8	8s.w.g.	0.806	2.46	
28.58	4.88	18.82	1 1/8	6s.w.g.	0.741	2.86	
28.58	6.35	15.88	1 1/8	1/4	0.625	3.49	
30.00	3.00	24.00				2.00	
30.00	5.00	20.00				3.09	
30.16	2.03	26.10	1 3/16	14s.w.g.	1.028	1.41	
30.75	6.20	18.35				3.80	30X20 SEE BACK PAGES
30.75	8.90	12.95				4.80	30X15 SEE BACK PAGES
31.75	1.22	29.31	1 1/4	18s.w.g.	1.154	0.92	
31.75	1.63	28.49	1 1/4	16s.w.g.	1.122	1.21	
31.75	2.03	27.69	1 1/4	14s.w.g.	1.090	1.49	
31.75	2.64	26.47	1 1/4	12s.w.g.	1.042	1.90	
31.75	2.95	25.85	1 1/4	11s.w.g.	1.018	2.10	
31.75	3.25	25.25	1 1/4	10s.w.g.	0.994	2.29	
31.75	4.06	23.63	1 1/4	8s.w.g.	0.930	2.78	
31.75	4.88	21.99	1 1/4	6s.w.g.	0.866	3.24	
31.75	6.35	19.05	1 1/4	1/4	0.750	3.98	

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METRIC SIZES		IMPERIAL SIZES			WEIGHT	REFERENCE	
O.D.	Wall	Bore	O.D.	Wall	Bore	KG/MTR	

31.75	7.94	15.87	1 1/4	5/16	0.625	4.67	
32.00	4.00	24.00				2.77	
34.13	3.25	27.63	1 11/32	10s.w.g.	1.088	2.49	
34.13	4.06	26.01	1 11/32	8s.w.g.	1.024	3.02	
34.93	1.22	32.49	1 3/8	18s.w.g.	1.279	1.02	
34.93	1.63	31.67	1 3/8	16s.w.g.	1.247	1.34	
34.93	2.03	30.87	1 3/8	14s.w.g.	1.215	1.65	
34.93	2.64	29.65	1 3/8	12s.w.g.	1.167	2.11	
34.93	3.25	28.43	1 3/8	10s.w.g.	1.120	2.54	
34.93	4.06	26.81	1 3/8	8s.w.g.	1.056	3.10	
34.93	4.47	25.99	1 3/8	7s.w.g.	1.023	3.36	
34.93	4.88	25.17	1 3/8	6s.w.g.	0.991	3.62	
34.93	6.35	22.23	1 3/8	1/4	0.875	4.48	
34.93	7.94	19.05	1 3/8	5/16	0.750	5.29	
34.93	9.53	15.87	1 3/8	3/8	0.625	5.98	
35.75	8.90	17.95				5.90	35X20 SEE BACK PAGES
36.50	6.90	22.70				5.00	35X25 SEE BACK PAGES
38.00	6.00	26.00				4.74	
38.10	1.22	35.66	1 1/2	18s.w.g.	1.404	1.11	
38.10	1.63	34.84	1 1/2	16s.w.g.	1.372	1.47	
38.10	2.03	34.04	1 1/2	14s.w.g.	1.340	1.81	
38.10	2.64	32.82	1 1/2	12s.w.g.	1.292	2.31	
38.10	3.25	31.60	1 1/2	10s.w.g.	1.244	2.80	
38.10	4.06	29.98	1 1/2	8s.w.g.	1.180	3.41	
38.10	4.88	28.34	1 1/2	6s.w.g.	1.116	4.00	
38.10	5.60	26.90	1 1/2		1.059	4.50	
38.10	6.35	25.40	1 1/2	1/4	1.000	4.98	
38.10	7.94	22.22	1 1/2	5/16	0.875	5.92	
38.10	9.53	19.04	1 1/2	3/8	0.750	6.73	
40.00	2.00	36.00				1.88	
40.00	3.00	34.00				2.74	
40.00	4.00	32.00				3.56	
40.00	5.00	30.00				4.32	
40.00	10.00	20.00				7.41	

METRIC SIZES		IMPERIAL SIZES			WEIGHT	REFERENCE	
O.D.	Wall	Bore	O.D.	Wall	Bore	KG/MTR	

40.75	8.90	22.95	1 5/8	16s.w.g.	1.497	7.00	40X25 SEE BACK PAGES
41.28	1.63	38.02	1 5/8	14s.w.g.	1.465	1.60	
41.28	2.03	37.22	1 5/8	12s.w.g.	1.417	1.97	
41.28	2.64	36.00	1 5/8	10s.w.g.	1.369	2.52	
41.28	3.25	34.78	1 5/8	8s.w.g.	1.306	3.05	
41.28	4.06	33.16	1 5/8	6s.w.g.	1.241	3.73	
41.28	4.88	31.52	1 5/8	1/4	1.125	4.39	
41.28	6.35	28.58	1 5/8	5/16	1.000	5.48	
41.28	7.94	25.40	1 5/8	3/8	0.875	6.54	
41.28	9.53	22.22	1 5/8			7.47	
41.30	6.80	27.70				5.80	40X30 SEE BACK PAGES
42.40	4.00	34.40				3.79	
44.45	1.22	42.01	1 3/4	18s.w.g.	1.654	1.30	
44.45	1.63	41.19	1 3/4	16s.w.g.	1.622	1.72	
44.45	2.03	40.39	1 3/4	14s.w.g.	1.590	2.13	
44.45	2.64	39.17	1 3/4	12s.w.g.	1.542	2.73	
44.45	3.25	37.95	1 3/4	10s.w.g.	1.494	3.31	
44.45	4.06	36.33	1 3/4	8s.w.g.	1.430	4.05	
44.45	4.88	34.69	1 3/4	6s.w.g.	1.366	4.77	
44.45	6.35	31.75	1 3/4	1/4	1.250	5.98	
44.45	7.94	28.57	1 3/4	5/16	1.125	7.16	
44.45	9.53	25.39	1 3/4	3/8	1.000	8.22	
44.45	12.70	19.05	1 3/4	1/2	0.750	9.96	
45.75	8.90	27.95				8.10	45X30 SEE BACK PAGES
45.75	11.60	22.55				9.80	45X25 SEE BACK PAGES
46.30	6.80	32.70				6.60	45X35 SEE BACK PAGES
47.63	2.64	42.35	1 7/8	12s.w.g.	1.667	2.93	
47.63	3.25	41.13	1 7/8	10s.w.g.	1.619	3.56	
47.63	4.06	39.51	1 7/8	8s.w.g.	1.555	4.37	
47.63	4.88	37.87	1 7/8	6s.w.g.	1.491	5.15	
47.63	6.35	34.93	1 7/8	1/4	1.375	6.48	
47.63	7.94	31.75	1 7/8	5/16	1.250	7.78	
47.63	9.53	28.57	1 7/8	3/8	1.125	8.97	
48.30	4.00	40.30				4.38	

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METRIC SIZES			IMPERIAL SIZES			WEIGHT	REFERENCE
O.D.	Wall	Bore	O.D.	Wall	Bore	KG/MTR	
50.00	5.00	40.00				5.56	
50.80	1.22	48.36	2	18s.w.g.	1.904	1.49	
50.80	1.63	47.54	2	16s.w.g.	1.872	1.98	
50.80	2.03	46.74	2	14s.w.g.	1.840	2.45	
50.80	2.64	45.52	2	12s.w.g.	1.792	3.14	
50.80	3.25	44.30	2	10s.w.g.	1.744	3.82	
50.80	4.06	42.68	2	8s.w.g.	1.680	4.69	
50.80	4.88	41.04	2	6s.w.g.	1.616	5.54	
50.80	6.35	38.10	2	1/4	1.500	6.97	
50.80	7.94	34.92	2	5/16	1.375	8.41	
50.80	9.53	31.74	2	3/8	1.250	9.72	
51.00	12.50	26.00	2	1/2	1.024	11.89	
51.00	14.20	22.60	2	9/16	0.890	12.91	
51.30	9.50	32.30				9.80	50X35 SEE BACK PAGES
51.30	12.20	26.90				11.80	50X30 SEE BACK PAGES
53.98	1.63	50.72	2 1/8	16s.w.g.	1.997	2.11	
53.98	2.03	49.92	2 1/8	14s.w.g.	1.965	2.61	
53.98	2.64	48.70	2 1/8	12s.w.g.	1.917	3.35	
53.98	3.25	47.48	2 1/8	10s.w.g.	1.869	4.07	
53.98	4.06	45.86	2 1/8	8s.w.g.	1.806	5.01	
53.98	4.88	44.22	2 1/8	6s.w.g.	1.741	5.92	
53.98	6.35	41.28	2 1/8	1/4	1.625	7.47	
53.98	7.94	38.10	2 1/8	5/16	1.500	9.03	
56.80	9.70	37.40				11.30	55X40 SEE BACK PAGES
56.80	12.40	32.00				13.60	55X35 SEE BACK PAGES
56.80	15.10	26.60				15.50	55X30 SEE BACK PAGES
57.00	12.50	32.00	2 1/4	1/2	1.260	13.74	
57.00	14.20	28.60	2 1/4	9/16	1.125	15.01	
57.00	16.00	25.00	2 1/4	5/8	0.984	16.20	
57.15	1.63	53.89	2 1/4	16s.w.g.	2.122	2.24	
57.15	2.64	51.87	2 1/4	12s.w.g.	2.042	3.55	
57.15	3.25	50.65	2 1/4	10s.w.g.	1.994	4.33	
57.15	4.06	49.03	2 1/4	8s.w.g.	1.930	5.32	
57.15	4.88	47.39	2 1/4	6s.w.g.	1.866	6.30	
57.15	6.35	44.45	2 1/4	1/4	1.750	7.97	

METRIC SIZES

IMPERIAL SIZES

WEIGHT

REFERENCE

METRIC SIZES			IMPERIAL SIZES			WEIGHT	REFERENCE
O.D.	Wall	Bore	O.D.	Wall	Bore	KG/MTR	
57.15	7.94	41.27	2 1/4	5/16	1.625	9.65	
57.15	9.53	38.09	2 1/4	3/8	1.500	11.21	
57.15	12.70	31.75	2 1/4	1/2	1.250	13.94	
60.00	5.00	50.00				6.79	
60.30	3.25	53.80	2 3/8	10s.w.g.	2.118	4.58	
60.30	4.06	52.18	2 3/8	8s.w.g.	2.054	5.64	
60.30	4.50	51.30	2 3/8	7s.w.g.	2.020	6.20	
60.30	4.88	50.54	2 3/8	6s.w.g.	1.990	6.68	
60.30	5.00	50.30	2 3/8		1.980	6.83	
60.30	6.35	47.60	2 3/8	1/4	1.874	8.46	
60.30	7.94	44.42	2 3/8	5/16	1.749	10.27	
60.30	9.53	41.24	2 3/8	3/8	1.624	11.95	
60.30	12.50	35.30	2 3/8	1/2	1.390	14.76	
61.20	9.40	42.40	2 3/8	9/16	1.256	16.17	
61.20	12.10	37.00				12.00	60X45 SEE BACK PAGES
61.20	14.80	31.60				14.70	60X40 SEE BACK PAGES
63.50	1.63	60.24	2 1/2	16s.w.g.	2.372	16.90	
63.50	2.03	59.44	2 1/2	14s.w.g.	2.340	2.49	
63.50	2.64	58.22	2 1/2	12s.w.g.	2.292	3.08	
63.50	3.25	57.00	2 1/2	10s.w.g.	2.244	3.97	
63.50	4.06	55.38	2 1/2	8s.w.g.	2.180	4.84	
63.50	4.88	53.74	2 1/2	6s.w.g.	2.116	5.96	
63.50	6.35	50.80	2 1/2	1/4	2.000	7.07	
63.50	7.94	47.62	2 1/2	5/16	1.875	8.96	
63.50	9.53	44.44	2 1/2	3/8	1.750	10.90	
63.50	12.70	38.10	2 1/2	1/2	1.500	12.70	
63.50	14.20	35.10	2 1/2	9/16	1.382	15.94	
63.50	16.00	31.50	2 1/2	5/8	1.240	17.29	
66.68	3.25	60.18	2 5/8	10s.w.g.	2.369	18.77	
66.68	4.88	56.92	2 5/8	6s.w.g.	2.241	5.09	
66.68	6.35	53.98	2 5/8	1/4	2.125	7.45	
66.68	7.94	50.80	2 5/8	5/16	2.000	9.46	
66.68	9.53	47.62	2 5/8	3/8	1.875	11.52	
66.68						13.45	

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METRIC SIZES			IMPERIAL SIZES			WEIGHT		REFERENCE
O.D.	Wall	Bore	O.D.	Wall	Bore	KG/MTR		
66.80	9.75	47.30				13.70	65X50 SEE BACK PAGES	
66.80	12.45	41.90				16.70	65X45 SEE BACK PAGES	
66.80	15.15	36.50				19.30	65X40 SEE BACK PAGES	
69.85	2.64	64.57	2 3/4	12s.w.g.	2.542	4.38		
69.85	3.25	63.35	2 3/4	10s.w.g.	2.494	5.35		
69.85	4.06	61.73	2 3/4	8s.w.g.	2.430	6.60		
69.85	4.88	60.09	2 3/4	6s.w.g.	2.366	7.83		
69.85	6.35	57.15	2 3/4	1/4	2.250	9.96		
69.85	7.94	53.97	2 3/4	5/16	2.125	12.14		
69.85	9.53	50.79	2 3/4	3/8	2.000	14.20		
69.85	12.70	44.45	2 3/4	1/2	1.750	17.93		
70.00	16.00	38.00	2 3/4	5/8	1.496	21.34		
70.00	19.00	32.00	2 3/4	3/4	1.260	23.93		
71.40	9.50	52.40				14.50	70X55 SEE BACK PAGES	
71.40	12.20	47.00				17.80	70X50 SEE BACK PAGES	
71.40	14.55	42.30				20.40	70X45 SEE BACK PAGES	
71.40	17.20	37.00				23.00	70X40 SEE BACK PAGES	
73.02	4.88	63.26	2 7/8	6s.w.g.	2.491	8.21		
73.02	6.35	60.32	2 7/8	1/4	2.375	10.46		
73.02	9.52	53.98	2 7/8	3/8	2.125	14.93		
73.02	12.70	47.62	2 7/8	1/2	1.875	18.92		
76.20	1.63	72.94	3	16s.w.g.	2.872	3.00		
76.20	2.64	70.92	3	12s.w.g.	2.792	4.80		
76.20	3.25	69.70	3	10s.w.g.	2.744	5.86		
76.20	4.06	68.08	3	8s.w.g.	2.680	7.23		
76.20	4.50	67.20	3	7s.w.g.	2.646	7.97		
76.20	4.88	66.44	3	6s.w.g.	2.616	8.60		
76.20	5.00	66.20	3		2.606	8.79		
76.20	5.40	65.40	3	5s.w.g.	2.575	9.44		
76.20	6.35	63.50	3	1/4	2.500	10.96		
76.20	7.94	60.32	3	5/16	2.375	13.39		
76.20	9.40	57.40				15.50	75X60 SEE BACK PAGES	
76.20	9.53	57.14				15.70		
76.20	12.10	52.00	3	3/8	2.250	19.10	75X55 SEE BACK PAGES	

METRIC SIZES			IMPERIAL SIZES			WEIGHT		REFERENCE
O.D.	Wall	Bore	O.D.	Wall	Bore	KG/MTR		
76.20	12.70	50.80	3	1/2	2.000	19.92		
76.20	14.20	47.80	3	9/16	1.882	21.75	75X50 SEE BACK PAGES	
76.20	14.40	47.40				21.90		
76.20	16.00	44.20	3	5/8	1.740	23.80	75X45 SEE BACK PAGES	
76.20	17.10	42.00				24.90		
76.20	19.00	38.20	3	3/4	1.504	26.85	75X40 SEE BACK PAGES	
76.20	19.70	36.80				27.40		
79.38	4.88	69.62	3 1/8	6s.w.g.	2.741	8.98		
79.38	6.35	66.68	3 1/8	1/4	2.625	11.45		
79.38	7.94	63.50	3 1/8	5/16	2.500	14.01		
81.40	9.50	62.40				16.80	80X65 SEE BACK PAGES	
81.40	12.20	57.00				20.80	80X60 SEE BACK PAGES	
81.40	14.55	52.30				24.00	80X55 SEE BACK PAGES	
81.40	17.20	47.00				27.20	80X50 SEE BACK PAGES	
81.40	19.80	41.80				30.10	80X45 SEE BACK PAGES	
82.55	3.25	76.05	3 1/4	10s.w.g.	2.994	6.37		
82.55	4.88	72.79	3 1/4	6s.w.g.	2.866	9.36		
82.55	5.00	72.55	3 1/4		2.856	9.58		
82.55	6.35	69.85	3 1/4	1/4	2.750	11.95		
82.55	7.94	66.67	3 1/4	5/16	2.625	14.63		
82.55	9.53	63.49	3 1/4	3/8	2.500	17.19		
82.55	12.70	57.15	3 1/4	1/2	2.250	21.91		
82.55	16.00	50.55	3 1/4	5/8	1.990	26.30		
82.55	17.50	47.55	3 1/4	11/16	1.872	28.12		
82.55	19.00	44.55	3 1/4	3/4	1.750	29.82		
82.55	22.00	38.55	3 1/4	7/8	1.518	32.90		
86.40	9.55	67.30				18.10	85X70 SEE BACK PAGES	
86.40	12.25	61.90				22.40	85X65 SEE BACK PAGES	
86.40	14.55	57.30				25.80	85X60 SEE BACK PAGES	
86.40	17.20	52.00				29.40	85X55 SEE BACK PAGES	
86.40	19.80	46.80				32.50	85X50 SEE BACK PAGES	
88.90	2.64	83.62	3 1/2	12s.w.g.	3.292	5.62		
88.90	3.25	82.40	3 1/2	10s.w.g.	3.244	6.88		
88.90	4.06	80.78	3 1/2	8s.w.g.	3.180	8.51		

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METRIC SIZES			IMPERIAL SIZES			WEIGHT		REFERENCE
O.D.	Wall	Bore	O.D.	Wall	Bore	KG/MTR		
88.90	4.88	79.14	3 1/2	6s.w.g.	3.116	10.13		
88.90	5.00	78.90	3 1/2		3.106	10.36		
88.90	5.40	78.10	3 1/2	5s.w.g.	3.075	11.14		
88.90	6.35	76.20	3 1/2	1/4	3.000	12.95		
88.90	7.94	73.02	3 1/2	5/16	2.875	15.88		
88.90	9.53	69.84	3 1/2	3/8	2.750	18.68		
88.90	12.70	63.50	3 1/2	1/2	2.500	23.90		
88.90	14.20	60.50	3 1/2	9/16	2.382	26.20		
88.90	16.00	56.90	3 1/2	5/8	2.240	28.81		
88.90	19.00	50.90	3 1/2	3/4	2.004	32.80		
88.90	22.00	44.90	3 1/2	7/8	1.768	36.35		
88.90	25.00	38.90	3 1/2	1	1.531	39.46		
90.00	22.50	45.00				37.51	90X75 SEE BACK PAGES	
91.20	9.40	72.40				19.00	90X70 SEE BACK PAGES	
91.20	12.10	67.00				23.60	90X65 SEE BACK PAGES	
91.20	14.40	62.40				27.30	90X60 SEE BACK PAGES	
91.20	17.10	57.00				31.20	90X55 SEE BACK PAGES	
91.20	19.70	51.80				34.70	90X50 SEE BACK PAGES	
91.20	22.90	45.40				38.60		
92.08	6.35	79.38	3 5/8	1/4	3.125	13.45		
95.00	6.30	82.40	3 3/4	1/4	3.244	13.80		
95.00	8.00	79.00	3 3/4	5/16	3.110	17.19		
95.00	9.50	76.00	3 3/4	3/8	2.992	20.06		
95.00	12.50	70.00	3 3/4	1/2	2.756	25.47		
95.00	16.00	63.00	3 3/4	5/8	2.480	31.22		
95.00	19.00	57.00	3 3/4	3/4	2.244	35.67		
95.00	22.00	51.00	3 3/4	7/8	2.008	39.67		
95.00	25.00	45.00	3 3/4	1	1.772	43.23		
95.00	28.00	39.00	3 3/4	1 1/8	1.535	46.34		
95.25	3.25	88.75	3 3/4	10s.w.g.	3.494	7.39	95X80 SEE BACK PAGES	
95.25	6.35	82.55	3 3/4	1/4	3.250	13.94	95X75 SEE BACK PAGES	
96.20	9.70	76.80				20.70	95X70 SEE BACK PAGES	
96.20	12.20	71.80				25.30		
96.20	14.50	67.20				29.20		

METRIC SIZES			IMPERIAL SIZES			WEIGHT		REFERENCE
O.D.	Wall	Bore	O.D.	Wall	Bore	KG/MTR		
96.20	17.10	62.00				33.40	95X65 SEE BACK PAGES	
96.20	19.75	56.70				37.20	95X60 SEE BACK PAGES	
96.20	22.35	51.50				40.70	95X55 SEE BACK PAGES	
96.20	25.00	46.20				43.90	95X50 SEE BACK PAGES	
96.20	27.60	41.00				46.70	95X45 SEE BACK PAGES	
100.50	22.70	55.10				43.62		
101.60	2.64	96.32	4	12s.w.g.	3.792	6.45		
101.60	3.25	95.10	4	10s.w.g.	3.744	7.90		
101.60	4.06	93.48	4	8s.w.g.	3.680	9.78		
101.60	4.88	91.84	4	6s.w.g.	3.616	11.66		
101.60	5.00	91.60	4		3.606	11.93		
101.60	6.35	88.90	4	1/4	3.500	14.94		
101.60	7.94	85.72	4	5/16	3.375	18.37		
101.60	9.53	82.54	4	3/8	3.250	21.67		
101.60	9.60	82.40				21.80	100X85 SEE BACK PAGES	
101.60	12.30	77.00				27.10	100X80 SEE BACK PAGES	
101.60	12.70	76.20	4	1/2	3.000	27.89		
101.60	14.70	72.20				31.50	100X75 SEE BACK PAGES	
101.60	16.00	69.60	4	5/8	2.740	33.83		
101.60	17.30	67.00				36.00	100X70 SEE BACK PAGES	
101.60	19.00	63.60	4	3/4	2.504	38.77		
101.60	19.95	61.70				40.20	100X65 SEE BACK PAGES	
101.60	22.00	57.60	4	7/8	2.268	43.25		
101.60	22.60	56.40				44.00	100X60 SEE BACK PAGES	
101.60	25.00	51.60	4	1	2.031	47.30		
101.60	25.20	51.20				47.50	100X55 SEE BACK PAGES	
101.60	27.85	45.90				50.70	100X50 SEE BACK PAGES	
101.60	30.00	41.60				53.06		
106.60	9.95	86.70			1.638	23.70	105X90 SEE BACK PAGES	
106.60	12.10	82.40				28.20	105X85 SEE BACK PAGES	
106.60	14.70	77.20				33.30	105X80 SEE BACK PAGES	
106.60	17.35	71.90				38.20	105X75 SEE BACK PAGES	
106.60	20.00	66.60				42.70	105X70 SEE BACK PAGES	
106.60	22.60	61.40				46.80	105X65 SEE BACK PAGES	

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METRIC SIZES			IMPERIAL SIZES			WEIGHT	REFERENCE
O.D.	Wall	Bore	O.D.	Wall	Bore	KG/MTR	
106.60	25.25	56.10				50.70	105X60 SEE BACK PAGES
106.60	27.90	50.80				54.10	105X55 SEE BACK PAGES
106.60	31.30	44.00				58.10	105X50 SEE BACK PAGES
107.95	3.25	101.45	4 1/4	10s.w.g.	3.994	8.41	
107.95	6.35	95.25	4 1/4	1/4	3.750	15.94	
108.00	6.30	95.40	4 1/4	1/4	3.756	15.83	
108.00	8.00	92.00	4 1/4	5/16	3.622	19.76	
108.00	9.50	89.00	4 1/4	3/8	3.504	23.11	
108.00	12.50	83.00	4 1/4	1/2	3.268	29.49	
108.00	16.00	76.00	4 1/4	5/8	2.992	36.36	
108.00	19.00	70.00	4 1/4	3/4	2.756	41.77	
108.00	25.00	58.00	4 1/4	1	2.283	51.25	
108.00	30.00	48.00	4 1/4		1.890	57.80	
111.60	9.95	91.70				24.90	110X95 SEE BACK PAGES
111.60	12.10	87.40				29.70	110X90 SEE BACK PAGES
111.60	14.70	82.20				35.10	110X85 SEE BACK PAGES
111.60	17.35	76.90				40.30	110X80 SEE BACK PAGES
111.60	20.00	71.60				45.20	110X75 SEE BACK PAGES
111.60	22.60	66.40				49.60	110X70 SEE BACK PAGES
111.60	25.30	61.00				53.80	110X65 SEE BACK PAGES
111.60	27.95	55.70				57.70	110X60 SEE BACK PAGES
111.60	30.60	50.40				61.10	110X55 SEE BACK PAGES
114.30	3.25	107.80	4 1/2	10s.w.g.	4.244	8.92	
114.30	4.50	105.30	4 1/2	7s.w.g.	4.146	12.20	
114.30	5.00	104.30	4 1/2	6s.w.g.	4.106	13.50	
114.30	5.60	103.10	4 1/2	5s.w.g.	4.059	15.04	
114.30	6.35	101.60	4 1/2	1/4	4.000	16.93	
114.30	8.00	98.30	4 1/2	5/16	3.870	21.00	
114.30	9.50	95.30	4 1/2	3/8	3.752	24.59	
114.30	12.70	88.90	4 1/2	1/2	3.500	31.87	
114.30	16.00	82.30	4 1/2	5/8	3.240	38.85	
114.30	19.00	76.30	4 1/2	3/4	3.004	44.72	
114.30	25.00	64.30	4 1/2	1	2.532	55.15	
114.30	30.00	54.30	4 1/2		2.138	62.47	

METRIC SIZES			IMPERIAL SIZES			WEIGHT	REFERENCE
O.D.	Wall	Bore	O.D.	Wall	Bore	KG/MTR	
114.30	36.00	42.30	4 1/2		1.665	69.62	115X100 SEE BACK PAGES
116.60	9.95	96.70				26.20	115X95 SEE BACK PAGES
116.60	12.10	92.40				31.20	115X90 SEE BACK PAGES
116.60	14.75	87.10				37.00	115X85 SEE BACK PAGES
116.60	17.35	81.90				42.50	115X80 SEE BACK PAGES
116.60	20.00	76.60				47.60	115X75 SEE BACK PAGES
116.60	22.65	71.30				52.50	115X70 SEE BACK PAGES
116.60	25.25	66.10				56.90	115X65 SEE BACK PAGES
116.60	27.90	60.80				61.00	115X60 SEE BACK PAGES
116.60	30.60	55.40				64.90	115X60 SEE BACK PAGES
116.60	33.20	50.20				68.30	115X55 SEE BACK PAGES
118.60	28.10	62.40				62.81	
121.00	6.30	108.40	4 3/4	1/4	4.268	17.85	
121.00	8.00	105.00	4 3/4	5/16	4.134	22.33	
121.00	9.50	102.00	4 3/4	3/8	4.016	26.16	
121.00	12.50	96.00	4 3/4	1/2	3.780	33.50	
121.00	19.00	83.00	4 3/4	3/4	3.268	47.87	
121.00	25.00	71.00	4 3/4	1	2.795	59.28	
121.00	28.00	65.00	4 3/4	1 1/8	2.559	64.32	
121.00	30.00	61.00	4 3/4	2.402	2.402	67.43	
121.00	32.00	57.00	4 3/4	1 1/4	2.244	70.35	
121.00	36.00	49.00	4 3/4		1.929	75.58	
121.00	10.00	101.60				27.50	120X105 SEE BACK PAGES
121.60	12.10	97.40				32.70	120X100 SEE BACK PAGES
121.60	14.75	92.10				38.90	120X95 SEE BACK PAGES
121.60	17.40	86.80				44.70	120X90 SEE BACK PAGES
121.60	20.00	81.60				50.10	120X85 SEE BACK PAGES
121.60	22.65	76.30				55.30	120X80 SEE BACK PAGES
121.60	25.30	71.00				60.10	120X75 SEE BACK PAGES
121.60	27.95	65.70				64.50	120X70 SEE BACK PAGES
121.60	30.60	60.40				68.70	120X65 SEE BACK PAGES
121.60	33.20	55.20				72.40	120X60 SEE BACK PAGES
126.80	10.20	106.40				29.30	125X110 SEE BACK PAGES
126.80	12.30	102.20				34.70	125X105 SEE BACK PAGES

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METRIC SIZES		IMPERIAL SIZES			WEIGHT	REFERENCE	
O.D.	Wall	Bore	O.D.	Wall	Bore	KG/MTR	

126.80	14.90	97.00				41.10	125X100 SEE BACK PAGES
126.80	17.55	91.70				47.30	125X95 SEE BACK PAGES
126.80	20.15	86.50				53.00	125X90 SEE BACK PAGES
126.80	22.80	81.20				58.50	125X85 SEE BACK PAGES
126.80	25.50	75.80				63.70	125X80 SEE BACK PAGES
126.80	28.10	70.60				68.40	125X75 SEE BACK PAGES
126.80	30.75	65.30				72.80	125X70 SEE BACK PAGES
126.80	33.40	60.00				76.90	125X65 SEE BACK PAGES
126.80	36.00	54.80				80.60	125X60 SEE BACK PAGES
126.80	38.70	49.40				84.10	125X55 SEE BACK PAGES
127.00	3.25	120.50	5	10s.w.g.	4.744	9.93	
127.00	5.00	117.00	5	6s.w.g.	4.606	15.06	
127.00	6.35	114.30	5	1/4	4.500	18.92	
127.00	9.50	108.00	5	3/8	4.252	27.57	
127.00	12.70	101.60	5	1/2	4.000	35.85	
127.00	16.00	95.00	5	5/8	3.740	43.87	
127.00	19.00	89.00	5	3/4	3.504	50.68	
127.00	25.00	77.00	5	1	3.031	62.98	
127.00	28.00	71.00	5	1 1/8	2.795	68.47	
127.00	30.00	67.00	5		2.638	71.76	
127.00	32.00	63.00	5	1 1/4	2.480	75.09	
127.00	36.00	55.00	5		2.165	80.92	
127.00	40.00	47.00	5		1.850	85.95	
132.00	10.35	111.30				31.00	130X115 SEE BACK PAGES
132.00	12.45	107.10				36.70	130X110 SEE BACK PAGES
132.00	15.10	101.80				43.50	130X105 SEE BACK PAGES
132.00	17.70	96.60				49.90	130X100 SEE BACK PAGES
132.00	20.35	91.30				56.00	130X95 SEE BACK PAGES
132.00	22.95	86.10				61.70	130X90 SEE BACK PAGES
132.00	25.60	80.80				67.20	130X85 SEE BACK PAGES
132.00	28.25	75.50				72.30	130X80 SEE BACK PAGES
132.00	30.90	70.20				77.00	130X75 SEE BACK PAGES
132.00	33.50	65.00				81.40	130X70 SEE BACK PAGES
132.00	36.20	59.60				85.50	130X65 SEE BACK PAGES

METRIC SIZES		IMPERIAL SIZES			WEIGHT	REFERENCE	
O.D.	Wall	Bore	O.D.	Wall	Bore	KG/MTR	

132.00	38.80	54.40				89.20	130X60 SEE BACK PAGES
132.00	42.50	47.00				93.80	130X55 SEE BACK PAGES
133.00	6.30	120.40	5 1/4	1/4	4.740	19.72	
133.00	9.50	114.00	5 1/4	3/8	4.488	28.98	
133.00	12.50	108.00	5 1/4	1/2	4.252	37.20	
133.00	16.00	101.00	5 1/4	5/8	3.976	46.24	
133.00	19.00	95.00	5 1/4	3/4	3.740	53.50	
133.00	25.00	83.00	5 1/4	1	3.268	66.69	
133.00	30.00	73.00	5 1/4		2.874	76.32	
133.00	36.00	61.00	5 1/4		2.402	86.25	
133.00	40.00	53.00	5 1/2		2.087	91.88	
139.70	4.00	131.70	5 1/2	8s.w.g.	5.185	13.40	
139.70	5.00	129.70	5 1/2		5.106	16.63	
139.70	5.40	128.90	5 1/2		5.074	17.91	
139.70	6.30	127.10	5 1/2	1/4	5.004	20.75	
139.70	8.00	123.70	5 1/2	5/16	4.870	26.02	
139.70	9.50	120.70	5 1/2	3/8	4.752	30.55	
139.70	12.50	114.70	5 1/2	1/2	4.516	39.27	
139.70	14.20	111.30	5 1/2	7/16	4.382	44.01	
139.70	16.00	107.70	5 1/2	5/8	4.240	48.88	
139.70	19.00	101.70	5 1/2	3/4	4.004	56.65	
139.70	22.00	95.70	5 1/2	7/8	3.768	63.95	
139.70	25.00	89.70	5 1/2	1	3.532	70.82	
139.70	30.00	79.70	5 1/2		3.138	81.28	
139.70	40.00	59.70	5 1/2		2.350	98.50	
142.00	10.35	121.30				33.60	140X125 SEE BACK PAGES
142.00	12.50	117.00				39.90	140X120 SEE BACK PAGES
142.00	15.10	111.80				47.30	140X115 SEE BACK PAGES
142.00	17.75	106.50				54.40	140X110 SEE BACK PAGES
142.00	20.40	101.20				61.20	140X105 SEE BACK PAGES
142.00	23.00	96.00				67.50	140X100 SEE BACK PAGES
142.00	25.65	90.70				73.60	140X95 SEE BACK PAGES
142.00	28.30	85.40				79.30	140X90 SEE BACK PAGES
142.00	30.95	80.10				84.80	140X85 SEE BACK PAGES

Telephone 01942 615130. Remember no minimum charge!

METRIC SIZES			IMPERIAL SIZES			WEIGHT	REFERENCE
O.D.	Wall	Bore	O.D.	Wall	Bore	KG/MTR	
142.00	33.50	75.00				89.60	140X80 SEE BACK PAGES
142.00	36.20	69.60				94.40	140X75 SEE BACK PAGES
142.00	38.80	64.40				98.70	140X70 SEE BACK PAGES
142.00	42.50	57.00				104.30	140X65 SEE BACK PAGES
146.00	6.30	133.40	5 3/4	1/4	5.252	21.73	
146.00	9.50	127.00	5 3/4	3/8	5.000	32.03	
146.00	12.50	121.00	5 3/4	1/2	4.764	41.20	
146.00	16.00	114.00	5 3/4	5/8	4.488	51.37	
146.00	20.00	106.00	5 3/4	3/4	4.173	62.24	
146.00	25.00	96.00	5 3/4	1	3.780	74.71	
146.00	30.00	86.00	5 3/4		3.386	85.95	
146.00	36.00	74.00	5 3/4		2.913	97.81	
146.00	40.00	66.00	5 3/4		2.598	104.72	
152.20	10.60	131.00				37.00	150X135 SEE BACK PAGES
152.20	12.65	126.90				43.50	150X130 SEE BACK PAGES
152.20	15.30	121.60				51.70	150X125 SEE BACK PAGES
152.20	17.90	116.40				59.30	150X120 SEE BACK PAGES
152.20	20.50	111.20				66.60	150X115 SEE BACK PAGES
152.20	23.15	105.90				73.70	150X110 SEE BACK PAGES
152.20	25.80	100.60				80.40	150X105 SEE BACK PAGES
152.20	28.45	95.30				86.80	150X100 SEE BACK PAGES
152.20	31.10	90.00				92.90	150X95 SEE BACK PAGES
152.20	33.70	84.80		10s.w.g.	5.744	98.50	150X90 SEE BACK PAGES
152.20	36.35	79.50		7s.w.g.	5.646	103.80	150X85 SEE BACK PAGES
152.20	39.00	74.20			5.606	108.90	150X80 SEE BACK PAGES
152.20	41.60	69.00				113.50	150X75 SEE BACK PAGES
152.20	44.20	63.80				117.70	150X70 SEE BACK PAGES
152.20	46.90	58.40	6			121.80	150X65 SEE BACK PAGES
152.40	3.25	145.90	6	10s.w.g.	5.744	11.97	
152.40	4.50	143.40	6	7s.w.g.	5.646	16.44	
152.40	5.00	142.40	6		5.606	18.20	
152.40	6.35	139.70	6	1/4	5.500	22.90	
152.40	8.00	136.40	6	5/16	5.370	28.53	
152.40	9.50	133.40	6	3/8	5.252	33.53	

METRIC SIZES

IMPERIAL SIZES

WEIGHT

REFERENCE

METRIC SIZES			IMPERIAL SIZES			WEIGHT	REFERENCE
O.D.	Wall	Bore	O.D.	Wall	Bore	KG/MTR	
152.40	12.70	127.00	6	1/2	5.000	43.82	
152.40	14.20	124.00	6	7/16	4.882	48.47	
152.40	16.00	120.40	6	5/8	4.740	53.90	
152.40	19.00	114.40	6	3/4	4.504	62.60	
152.40	25.00	102.40	6	1	4.032	78.67	
152.40	30.00	92.40	6		3.638	90.69	
152.40	36.00	80.40	6		3.165	103.50	
152.40	40.00	72.40	6		2.850	111.05	
157.10	10.50	136.10				38.00	155X140 SEE BACK PAGES
157.10	12.70	131.70				45.20	155X135 SEE BACK PAGES
157.10	15.30	126.50				53.50	155X130 SEE BACK PAGES
157.10	17.95	121.20				61.60	155X125 SEE BACK PAGES
157.10	20.60	115.90				69.30	155X120 SEE BACK PAGES
157.10	23.20	110.70				76.60	155X115 SEE BACK PAGES
157.10	25.85	105.40				83.70	155X110 SEE BACK PAGES
157.10	28.45	100.20				90.30	155X105 SEE BACK PAGES
157.10	31.10	94.90				96.60	155X100 SEE BACK PAGES
157.10	33.75	89.60				102.70	155X95 SEE BACK PAGES
157.10	36.40	84.30				108.30	155X90 SEE BACK PAGES
157.10	39.00	79.10				113.60	155X85 SEE BACK PAGES
157.10	41.65	73.80				118.60	155X80 SEE BACK PAGES
157.10	44.20	68.70				123.10	155X75 SEE BACK PAGES
157.10	48.10	60.90				129.30	155X70 SEE BACK PAGES
157.10	50.80	55.50				133.20	155X65 SEE BACK PAGES
159.00	6.30	146.40	6 1/4	1/4	5.764	23.76	
159.00	9.50	140.00	6 1/4	3/8	5.512	35.08	
159.00	12.50	134.00	6 1/4	1/2	5.276	45.23	
159.00	16.00	127.00	6 1/4	5/8	5.000	56.51	
159.00	19.00	121.00	6 1/4	3/4	4.764	65.70	
159.00	25.00	109.00	6 1/4	1	4.291	82.74	
159.00	30.00	99.00	6 1/4		3.898	95.58	
159.00	36.00	87.00	6 1/4		3.425	109.37	
159.00	40.00	79.00	6 1/4		3.110	117.57	
159.00	50.00	59.00	6 1/4	2	2.323	134.61	

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METRIC SIZES		IMPERIAL SIZES			WEIGHT	REFERENCE	
O.D.	Wall	Bore	O.D.	Wall	Bore	KG/MTR	

162.10	10.50	141.10				39.30	160X145 SEE BACK PAGES
162.10	12.70	136.70				46.80	160X140 SEE BACK PAGES
162.10	15.25	131.60				55.20	160X135 SEE BACK PAGES
162.10	17.90	126.30				63.70	160X130 SEE BACK PAGES
162.10	20.50	121.10				71.60	160X125 SEE BACK PAGES
162.10	23.15	115.80				79.30	160X120 SEE BACK PAGES
162.10	25.80	110.50				86.70	160X115 SEE BACK PAGES
162.10	28.40	105.30				93.60	160X110 SEE BACK PAGES
162.10	31.10	99.90				100.50	160X105 SEE BACK PAGES
162.10	33.70	94.70				106.70	160X100 SEE BACK PAGES
162.10	36.35	89.40				112.70	160X95 SEE BACK PAGES
162.10	39.00	84.10				118.40	160X90 SEE BACK PAGES
162.10	41.60	78.90				123.60	160X85 SEE BACK PAGES
162.10	44.20	73.70				128.50	160X80 SEE BACK PAGES
162.10	46.90	68.30				133.20	160X75 SEE BACK PAGES
162.10	49.50	63.10				137.40	160X70 SEE BACK PAGES
165.10	6.30	152.50	6 1/2	1/4	6.004	24.71	
165.10	9.50	146.10	6 1/2	3/8	5.752	36.51	
165.10	12.50	140.10	6 1/2	1/2	5.516	47.11	
165.10	20.00	125.10	6 1/2	3/4	4.925	71.67	
165.10	25.00	115.10	6 1/2	1	4.532	86.51	
165.10	30.00	105.10	6 1/2		4.138	100.10	
165.10	36.00	93.10	6 1/2		3.665	114.79	
165.10	40.00	85.10	6 1/2		3.350	123.59	
168.30	5.00	158.30	6 5/8	6s.w.g		20.16	
168.30	5.60	157.10	6 5/8	5s.w.g		22.50	
168.30	6.30	155.70	6 5/8	1/4	6.130	25.20	
168.30	8.00	152.30	6 5/8	5/16	5.996	31.67	
168.30	10.00	148.30	6 5/8	3/8	5.838	39.10	
168.30	12.50	143.30	6 5/8	1/2	5.642	48.10	
168.30	14.20	139.90	6 5/8	7/16	5.508	54.04	
168.30	16.00	136.30	6 5/8	5/8	5.366	60.18	
168.30	17.50	133.30	6 5/8	9/16	5.248	65.18	
168.30	19.00	130.30	6 5/8	3/4	5.130	70.06	

METRIC SIZES		IMPERIAL SIZES			WEIGHT	REFERENCE	
O.D.	Wall	Bore	O.D.	Wall	Bore	KG/MTR	

168.30	22.00	124.30	6 5/8	7/8	4.894	79.50	
168.30	25.00	118.30	6 5/8	1	4.657	88.48	
168.30	30.00	108.30	6 5/8		4.264	102.48	
168.30	36.00	96.30	6 5/8		3.791	117.64	
168.30	40.00	88.30	6 5/8		3.476	126.76	
172.30	10.65	151.00				42.50	170X155 SEE BACK PAGES
172.30	13.10	146.10				51.40	170X150 SEE BACK PAGES
172.30	15.75	140.80				60.80	170X145 SEE BACK PAGES
172.30	18.00	136.30				68.50	170X140 SEE BACK PAGES
172.30	20.65	131.00				77.20	170X135 SEE BACK PAGES
172.30	23.25	125.80				85.50	170X130 SEE BACK PAGES
172.30	25.90	120.50				93.50	170X125 SEE BACK PAGES
172.30	28.55	115.20				101.20	170X120 SEE BACK PAGES
172.30	31.15	110.00				108.40	170X115 SEE BACK PAGES
172.30	33.85	104.60				115.60	170X110 SEE BACK PAGES
172.30	36.45	99.40				122.10	170X105 SEE BACK PAGES
172.30	39.10	94.10				128.40	170X100 SEE BACK PAGES
172.30	41.80	88.70				134.50	170X95 SEE BACK PAGES
172.30	44.40	83.50				140.00	170X90 SEE BACK PAGES
172.30	47.00	78.30				145.20	170X85 SEE BACK PAGES
172.30	49.65	73.00				150.20	170X80 SEE BACK PAGES
177.80	5.00	167.80	7	6s.w.g.	6.606	21.34	
177.80	6.30	165.20	7	1/4	6.504	26.68	
177.80	9.50	158.80	7	3/8	6.252	39.49	
177.80	11.00	155.80	7	1/2	6.016	45.20	175X160 SEE BACK PAGES
177.80	12.50	152.80	7			51.03	
177.80	13.40	151.00	7			54.30	175X155 SEE BACK PAGES
177.80	14.20	149.40	7	9/16	5.882	57.38	
177.80	16.00	145.80	7	5/8	5.740	63.94	
177.80	16.20	145.40	7			64.60	175X150 SEE BACK PAGES
177.80	18.40	141.00	7			72.30	175X145 SEE BACK PAGES
177.80	19.00	139.80	7			74.52	
177.80	21.10	135.60	7	3/4	5.504	81.50	175X140 SEE BACK PAGES
177.80	23.70	130.40	7			90.10	175X135 SEE BACK PAGES

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METRIC SIZES			IMPERIAL SIZES			WEIGHT		REFERENCE
O.D.	Wall	Bore	O.D.	Wall	Bore	KG/MTR		

177.80	25.00	127.80	7	1	5.032	94.35	175X130 SEE BACK PAGES
177.80	26.30	125.20	7			98.30	
177.80	28.00	121.80	7	1 1/8	4.795	103.60	175X125 SEE BACK PAGES
177.80	29.00	119.80	7			106.40	
177.80	30.00	117.80	7		4.638	109.51	175X120 SEE BACK PAGES
177.80	31.60	114.60	7			113.90	175X115 SEE BACK PAGES
177.80	34.20	109.40	7		4.165	121.10	
177.80	36.00	105.80	7			126.08	175X110 SEE BACK PAGES
177.80	36.90	104.00	7			128.20	175X105 SEE BACK PAGES
177.80	39.50	98.80	7		3.850	134.70	
177.80	40.00	97.80	7			136.14	
177.80	42.10	93.60	7			140.90	175X100 SEE BACK PAGES
177.80	44.80	88.20	7			146.90	175X95 SEE BACK PAGES
177.80	45.00	87.80	7		3.457	147.60	
177.80	47.40	83.00	7			152.40	175X90 SEE BACK PAGES
177.80	50.00	77.80	7			157.60	175X85 SEE BACK PAGES
182.20	10.65	160.90				45.10	180X165 SEE BACK PAGES
182.20	13.10	156.00				54.60	180X160 SEE BACK PAGES
182.20	15.70	150.80				64.50	180X155 SEE BACK PAGES
182.20	18.00	146.20				72.90	180X150 SEE BACK PAGES
182.20	20.60	141.00				82.10	180X145 SEE BACK PAGES
182.20	23.25	135.70				91.10	180X140 SEE BACK PAGES
182.20	25.90	130.40				99.80	180X135 SEE BACK PAGES
182.20	28.50	125.20				108.00	180X130 SEE BACK PAGES
182.20	31.15	119.90				116.00	180X125 SEE BACK PAGES
182.20	33.80	114.60				123.70	180X120 SEE BACK PAGES
182.20	36.45	109.30				131.00	180X115 SEE BACK PAGES
182.20	39.10	104.00				138.00	180X110 SEE BACK PAGES
182.20	41.70	98.80				144.50	180X105 SEE BACK PAGES
182.20	44.40	93.40				150.90	180X100 SEE BACK PAGES
182.20	47.00	88.20				156.70	180X95 SEE BACK PAGES
182.20	49.60	83.00				162.20	180X90 SEE BACK PAGES
187.30	10.70	165.90				46.60	185X170 SEE BACK PAGES
187.30	13.15	161.00				56.50	185X165 SEE BACK PAGES

METRIC SIZES			IMPERIAL SIZES			WEIGHT		REFERENCE
O.D.	Wall	Bore	O.D.	Wall	Bore	KG/MTR		

187.30	15.85	155.60				67.00	185X160 SEE BACK PAGES
187.30	18.10	151.10				75.50	185X155 SEE BACK PAGES
187.30	20.75	145.80				85.20	185X150 SEE BACK PAGES
187.30	23.40	140.50				94.60	185X145 SEE BACK PAGES
187.30	26.00	135.30				103.40	185X140 SEE BACK PAGES
187.30	28.65	130.00				112.10	185X135 SEE BACK PAGES
187.30	31.30	124.70				120.40	185X130 SEE BACK PAGES
187.30	33.90	119.50				128.20	185X125 SEE BACK PAGES
187.30	36.55	114.20				135.90	185X120 SEE BACK PAGES
187.30	39.20	108.90				143.20	185X115 SEE BACK PAGES
187.30	41.80	103.70				150.00	185X110 SEE BACK PAGES
187.30	44.45	98.40				156.60	185X105 SEE BACK PAGES
187.30	47.10	93.10				162.80	185X100 SEE BACK PAGES
187.30	49.70	87.90				168.60	185X95 SEE BACK PAGES
191.00	10.00	171.00	7 1/2	3/8	6.732	44.70	
191.00	12.50	166.00	7 1/2	1/2	6.535	55.11	
191.00	16.00	159.00	7 1/2	5/8	6.260	69.16	
191.00	20.00	151.00	7 1/2	3/4	5.945	84.47	
191.00	25.00	141.00	7 1/2	1	5.551	102.50	
191.00	30.00	131.00	7 1/2		5.157	119.30	
191.00	36.00	119.00	7 1/2		4.685	137.82	
191.00	40.00	111.00	7 1/2		4.370	149.18	
192.30	10.80	170.70				48.30	190X175 SEE BACK PAGES
192.30	13.10	166.10				57.90	190X170 SEE BACK PAGES
192.30	15.80	160.70				68.80	190X165 SEE BACK PAGES
192.30	18.10	156.10				77.80	190X160 SEE BACK PAGES
192.30	20.65	151.00				87.40	190X155 SEE BACK PAGES
192.30	23.30	145.10				97.10	190X150 SEE BACK PAGES
192.30	26.00	140.30				106.60	190X145 SEE BACK PAGES
192.30	28.60	135.10				115.50	190X140 SEE BACK PAGES
192.30	31.20	129.90				123.90	190X135 SEE BACK PAGES
192.30	33.80	124.70				132.10	190X130 SEE BACK PAGES
192.30	36.50	119.30				140.20	190X125 SEE BACK PAGES
192.30	39.10	114.10				147.70	190X120 SEE BACK PAGES

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METRIC SIZES			IMPERIAL SIZES			WEIGHT		REFERENCE
O.D.	Wall	Bore	O.D.	Wall	Bore	KG/MTR		
192.30	41.80	108.70				155.10	190X115 SEE BACK PAGES	
192.30	44.40	103.50				161.90	190X110 SEE BACK PAGES	
192.30	47.10	98.10				168.60	190X105 SEE BACK PAGES	
192.30	49.70	92.90				174.80	190X100 SEE BACK PAGES	
193.70	5.40	182.90	7 5/8	5s.w.g.	7.200	25.11		
193.70	6.30	181.10	7 5/8	1/4	7.130	29.16		
193.70	8.00	177.70	7 5/8	5/16	6.996	36.69		
193.70	10.00	173.70	7 5/8	3/8	6.839	45.37		
193.70	12.50	168.70	7 5/8	1/2	6.642	55.94		
193.70	16.00	161.70	7 5/8	5/8	6.366	70.22		
193.70	19.00	155.70	7 5/8	3/4	6.130	81.98		
193.70	25.00	143.70	7 5/8	1	5.658	104.17		
193.70	30.00	133.70	7 5/8		5.264	121.30		
193.70	36.00	121.70	7 5/8		4.791	140.22		
193.70	40.00	113.70	7 5/8		4.476	151.85		
193.70	45.00	103.70	7 5/8		4.083	165.28		
193.70	50.00	93.70	7 5/8	2	3.689	177.46		
203.00	11.00	181.00				52.10	200X185 SEE BACK PAGES	
203.00	13.70	175.60				64.00	200X180 SEE BACK PAGES	
203.00	16.30	170.40				75.00	200X175 SEE BACK PAGES	
203.00	18.50	166.00				84.20	200X170 SEE BACK PAGES	
203.00	21.20	160.60				95.00	200X165 SEE BACK PAGES	
203.00	23.80	155.40				105.20	200X160 SEE BACK PAGES	
203.00	26.45	150.10				115.20	200X155 SEE BACK PAGES	
203.00	29.10	144.80				124.80	200X150 SEE BACK PAGES	
203.00	31.70	139.60				133.90	200X145 SEE BACK PAGES	
203.00	34.30	134.40				142.70	200X140 SEE BACK PAGES	
203.00	37.00	129.00				151.50	200X135 SEE BACK PAGES	
203.00	39.60	123.80				159.60	200X130 SEE BACK PAGES	
203.00	42.25	118.50				167.50	200X125 SEE BACK PAGES	
203.00	44.90	113.20				175.10	200X120 SEE BACK PAGES	
203.00	47.50	108.00				182.10	200X115 SEE BACK PAGES	
203.00	50.15	102.70				189.00	200X110 SEE BACK PAGES	
203.00	52.75	97.50				195.40	200X105 SEE BACK PAGES	

METRIC SIZES			IMPERIAL SIZES			WEIGHT		REFERENCE
O.D.	Wall	Bore	O.D.	Wall	Bore	KG/MTR		
203.00	55.40	92.20	8	1/4	7.504	201.60	200X100 SEE BACK PAGES	
203.20	6.30	190.60	8	5/16	7.370	30.64		
203.20	8.00	187.20	8	3/8	7.252	38.57		
203.20	9.50	184.20	8	1/2	7.016	45.45		
203.20	12.50	178.20	8	5/8	6.740	58.87		
203.20	16.00	171.20	8	3/4	6.504	73.98		
203.20	19.00	165.20	8	1	6.032	86.44		
203.20	25.00	153.20	8	1 1/8	5.795	110.03		
203.20	28.00	147.20	8		5.638	121.16		
203.20	30.00	143.20	8		5.165	128.34		
203.20	36.00	131.20	8		4.850	148.67		
203.20	40.00	123.20	8		4.063	161.24		
203.20	50.00	103.20	8	2		189.20		
214.10	15.10	183.90	8 5/8	1/4	8.130	74.10	210X190 SEE BACK PAGES	
214.10	17.40	179.30	8 5/8	5/16	7.996	84.40	210X185 SEE BACK PAGES	
214.10	20.10	173.90	8 5/8	3/8	7.839	96.20	210X180 SEE BACK PAGES	
214.10	22.80	168.50	8 5/8	1/2	7.642	107.60	210X175 SEE BACK PAGES	
214.10	25.50	163.10	8 5/8	5/8	7.366	118.60	210X170 SEE BACK PAGES	
214.10	28.20	157.70	8 5/8	3/4	7.130	129.30	210X165 SEE BACK PAGES	
214.10	30.90	152.30	8 5/8	7/8	6.894	139.60	210X160 SEE BACK PAGES	
214.10	33.60	146.90	8 5/8	1	6.657	149.60	210X155 SEE BACK PAGES	
214.10	36.30	141.50	8 5/8		6.264	159.20	210X150 SEE BACK PAGES	
214.10	39.00	136.10	8 5/8		5.791	168.40	210X145 SEE BACK PAGES	
219.10	6.30	206.50	8 5/8	1/4	8.130	33.11		
219.10	8.00	203.10	8 5/8	5/16	7.996	41.71		
219.10	10.00	199.10	8 5/8	3/8	7.839	51.64		
219.10	12.50	194.10	8 5/8	1/2	7.642	63.78		
219.10	16.00	187.10	8 5/8	5/8	7.366	80.26		
219.10	19.00	181.10	8 5/8	3/4	7.130	93.90		
219.10	22.00	175.10	8 5/8	7/8	6.894	107.10		
219.10	25.00	169.10	8 5/8	1	6.657	119.85		
219.10	30.00	159.10	8 5/8		6.264	140.12		
219.10	36.00	147.10	8 5/8		5.791	162.81		
219.10	40.00	139.10	8 5/8		5.476	176.95		

Telephone 01942 615130. Remember no minimum charge!

METRIC SIZES			IMPERIAL SIZES			WEIGHT	REFERENCE
O.D.	Wall	Bore	O.D.	Wall	Bore	KG/MTR	
219.10	45.00	129.10	8 5/8		5.083	193.51	
219.10	50.00	119.10	8 5/8	2	4.689	208.83	
219.10	60.00	99.10	8 5/8		3.902	235.78	
229.00	6.30	216.40	9	1/4	8.520	34.65	
229.00	9.50	210.00	9	3/8	8.268	51.50	
229.00	12.50	204.00	9	1/2	8.032	66.84	
229.00	16.00	197.00	9	5/8	7.756	84.17	
229.00	19.00	191.00	9	3/4	7.520	98.55	
229.00	25.00	179.00	9	1	7.047	125.97	
229.00	30.00	169.00	9		6.654	147.45	
229.00	36.00	157.00	9		6.181	171.61	
229.00	40.00	149.00	9		5.866	186.73	
229.00	45.00	139.00	9		5.472	204.51	
229.00	50.00	129.00	9	2	5.079	221.06	
229.00	60.00	109.00	9		4.291	250.45	
244.50	6.30	231.90	9 5/8	1/4	9.130	37.06	
244.50	8.00	228.50	9 5/8	5/16	8.996	46.73	
244.50	10.00	224.50	9 5/8	3/8	8.839	57.92	
244.50	12.50	219.50	9 5/8	1/2	8.642	71.63	
244.50	16.00	212.50	9 5/8	5/8	8.366	90.30	
244.50	19.00	206.50	9 5/8	3/4	8.130	105.82	
244.50	25.00	194.50	9 5/8	1	7.657	135.54	
244.50	30.00	184.50	9 5/8		7.264	158.94	
244.50	36.00	172.50	9 5/8		6.791	185.39	
244.50	40.00	164.50	9 5/8		6.476	202.04	
244.50	45.00	154.50	9 5/8		6.083	221.74	
244.50	50.00	144.50	9 5/8	2	5.689	240.21	
254.00	6.30	241.40	10	1/4	9.504	38.55	
254.00	9.50	235.00	10	3/8	9.252	57.37	
254.00	12.40	229.20	10			57.90	250X240 SEE BACK PAGES
254.00	12.50	229.00	10	1/2	9.016	73.90	250X235 SEE BACK PAGES
254.00	15.20	223.60	10			74.56	
254.00	16.00	222.00	10	5/8	8.740	89.50	250X230 SEE BACK PAGES

METRIC SIZES			IMPERIAL SIZES			WEIGHT	REFERENCE
O.D.	Wall	Bore	O.D.	Wall	Bore	KG/MTR	
254.00	17.90	218.20	10			104.20	250X225 SEE BACK PAGES
254.00	19.00	216.00	10	3/4	8.504	110.28	
254.00	20.70	212.60	10			119.10	250X220 SEE BACK PAGES
254.00	23.50	207.00	10			133.60	250X215 SEE BACK PAGES
254.00	25.00	204.00	10	1	8.032	141.40	
254.00	26.30	201.40	10			147.70	250X210 SEE BACK PAGES
254.00	28.00	198.00	10	1 1/8	7.795	156.30	
254.00	29.00	196.00	10			160.90	250X205 SEE BACK PAGES
254.00	30.00	194.00	10		7.638	165.98	
254.00	31.80	190.40	10			174.20	250X200 SEE BACK PAGES
254.00	34.60	184.80	10			187.20	250X195 SEE BACK PAGES
254.00	36.00	182.00	10		7.165	193.84	
254.00	37.40	179.20	10			199.80	250X190 SEE BACK PAGES
254.00	40.00	174.00	10		6.850	211.43	
254.00	45.00	164.00	10		6.457	232.30	
254.00	50.00	154.00	10	2	6.063	251.94	
254.00	55.00	144.00	10		5.669	270.34	
254.00	60.00	134.00	10		5.276	287.50	
267.00	10.00	247.00	10 1/2	3/8	9.724	63.47	
267.00	12.50	242.00	10 1/2	1/2	9.528	78.57	
267.00	16.00	235.00	10 1/2	5/8	9.252	99.19	
267.00	20.00	227.00	10 1/2	3/4	8.937	122.01	
267.00	25.00	217.00	10 1/2	1	8.543	149.43	
267.00	28.00	211.00	10 1/2	1 1/8	8.307	165.29	
267.00	30.00	207.00	10 1/2		8.150	175.61	
267.00	36.00	195.00	10 1/2		7.677	205.40	
267.00	40.00	187.00	10 1/2		7.362	224.27	
267.00	50.00	167.00	10 1/2	2	6.575	268.00	
273.00	6.30	260.40	10 3/4	1/4	10.252	41.50	
273.00	10.00	253.00	10 3/4	3/8	9.960	64.96	
273.00	12.50	248.00	10 3/4	1/2	9.764	80.42	
273.00	16.00	241.00	10 3/4	5/8	9.488	101.56	
273.00	19.00	235.00	10 3/4	3/4	9.252	119.20	
273.00	25.00	223.00	10 3/4	1	8.780	153.14	

Telephone 01942 615130. Remember no minimum charge!

METRIC SIZES			IMPERIAL SIZES			WEIGHT		REFERENCE
O.D.	Wall	Bore	O.D.	Wall	Bore	KG/MTR		
273.00	28.00	217.00	10 3/4	1 1/8	8.543	169.44		
273.00	30.00	213.00	10 3/4		8.386	180.06		
273.00	36.00	201.00	10 3/4		7.913	210.74		
273.00	40.00	193.00	10 3/4		7.598	230.20		
273.00	45.00	183.00	10 3/4		7.205	253.42		
273.00	50.00	173.00	10 3/4	2	6.811	275.40		
273.00	55.00	163.00	10 3/4		6.417	296.15		
279.00	10.00	259.00	11	3/8	10.197	66.44		
279.00	12.50	254.00	11	1/2	10.000	82.28		
279.00	16.00	247.00	11	5/8	9.724	103.93		
279.00	20.00	239.00	11	3/4	9.409	127.94		
279.00	25.00	229.00	11	1	9.016	156.84		
279.00	30.00	219.00	11		8.622	184.50		
279.00	36.00	207.00	11		8.150	216.07		
279.00	40.00	199.00	11		7.835	236.13		
279.00	50.00	179.00	11	2	7.047	282.81		
292.00	10.00	272.00	11 1/2	3/8	10.709	69.65		
292.00	12.50	267.00	11 1/2	1/2	10.512	86.29		
292.00	16.00	260.00	11 1/2	5/8	10.236	109.07		
292.00	19.00	254.00	11 1/2	3/4	10.000	128.11		
292.00	22.00	248.00	11 1/2	7/8	9.764	146.71		
292.00	25.00	242.00	11 1/2	1	9.528	164.87		
292.00	30.00	232.00	11 1/2		9.134	194.14		
292.00	36.00	220.00	11 1/2		8.661	227.63		
292.00	40.00	212.00	11 1/2	2	8.346	248.97		
292.00	50.00	192.00	11 1/2		7.559	298.87		
298.50	10.00	278.50	11 3/4	3/8	10.965	71.25		
298.50	12.50	273.50	11 3/4	1/2	10.768	88.30		
298.50	16.00	266.50	11 3/4	5/8	10.492	111.64		
298.50	20.00	258.50	11 3/4	3/4	10.177	137.57		
298.50	25.00	248.50	11 3/4	1	9.784	168.88		
298.50	30.00	238.50	11 3/4		9.390	198.95		
298.50	40.00	218.50	11 3/4		8.602	255.39		
298.50	50.00	198.50	11 3/4	2	7.815	306.89		

METRIC SIZES

IMPERIAL SIZES

WEIGHT

REFERENCE

METRIC SIZES			IMPERIAL SIZES			WEIGHT		REFERENCE
O.D.	Wall	Bore	O.D.	Wall	Bore	KG/MTR		
305.00	6.30	292.40	12	1/4	11.512	46.48		
305.00	10.00	285.00	12	3/8	11.220	72.86		
305.00	12.50	280.00	12	1/2	11.024	90.30		
305.00	16.00	273.00	12	5/8	10.748	114.21		
305.00	19.00	267.00	12	3/4	10.512	134.21		
305.00	25.00	255.00	12	1	10.040	172.90		
305.00	28.00	249.00	12	1 1/8	9.803	191.57		
305.00	30.00	245.00	12		9.646	203.77		
305.00	36.00	233.00	12		9.173	239.19		
305.00	40.00	225.00	12		8.858	261.82		
305.00	50.00	205.00	12	2	8.071	314.92		
305.00	60.00	185.00	12		7.284	363.09		
323.90	6.30	311.30	12 3/4	1/4	12.256	49.42		
323.90	10.00	303.90	12 3/4	3/8	11.965	77.53		
323.90	12.50	298.90	12 3/4	1/2	11.768	96.14		
323.90	16.00	291.90	12 3/4	5/8	11.492	121.68		
323.90	19.00	285.90	12 3/4	3/4	11.256	143.08		
323.90	25.00	273.90	12 3/4	1	10.783	184.57		
323.90	30.00	263.90	12 3/4		10.390	217.77		
323.90	32.00	259.90	12 3/4	1 1/4	10.232	230.71		
323.90	36.00	251.90	12 3/4		9.917	256.00		
323.90	40.00	243.90	12 3/4		9.602	280.49		
323.90	50.00	223.90	12 3/4	2	8.815	338.26		
323.90	60.00	203.90	12 3/4		8.028	391.09		
330.00	10.00	310.00	13	3/8	12.205	79.04		
330.00	12.50	305.00	13	1/2	12.008	98.02		
330.00	16.00	298.00	13	5/8	11.732	124.09		
330.00	20.00	290.00	13	3/4	11.417	153.14		
330.00	25.00	280.00	13	1	11.024	188.33		
330.00	30.00	270.00	13		10.630	222.30		
330.00	40.00	250.00	13		9.843	286.52		
330.00	50.00	230.00	13	2	9.055	345.80		
330.00	60.00	210.00	13		8.268	400.14		
343.00	10.00	323.00	13 1/2	3/8	12.717	82.25		

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METRIC SIZES			IMPERIAL SIZES			WEIGHT		REFERENCE
O.D.	Wall	Bore	O.D.	Wall	Bore	KG/MTR		
343.00	12.50	318.00	13 1/2	1/2	12.520	102.04		
343.00	16.00	311.00	13 1/2	5/8	12.244	129.23		
343.00	20.00	303.00	13 1/2	3/4	11.929	159.56		
343.00	25.00	293.00	13 1/2	1	11.535	196.36		
343.00	30.00	283.00	13 1/2		11.142	231.93		
343.00	36.00	271.00	13 1/2		10.670	272.98		
343.00	40.00	263.00	13 1/2		10.354	299.36		
343.00	50.00	243.00	13 1/2	2	9.567	361.85		
355.60	10.00	335.60	14	3/8	13.213	85.36		
355.60	12.50	330.60	14	1/2	13.016	105.93		
355.60	16.00	323.60	14	5/8	12.740	134.20		
355.60	20.00	315.60	14	3/4	12.425	165.78		
355.60	25.00	305.60	14	1	12.082	204.14		
355.60	30.00	295.60	14		11.638	241.26		
355.60	36.00	283.60	14		11.165	284.18		
355.60	40.00	275.60	14		10.850	311.81		
355.60	50.00	255.60	14	2	10.063	377.41		
368.00	10.00	348.00	14 1/2	3/8	13.701	88.42		
368.00	12.50	343.00	14 1/2	1/2	13.504	109.76		
368.00	16.00	336.00	14 1/2	5/8	13.228	139.11		
368.00	20.00	328.00	14 1/2	3/4	12.913	171.91		
368.00	25.00	318.00	14 1/2	1	12.520	211.80		
368.00	30.00	308.00	14 1/2		12.126	250.45		
368.00	36.00	296.00	14 1/2		11.654	295.21		
368.00	40.00	288.00	14 1/2	2	10.551	324.06		
368.00	50.00	268.00	14 1/2		10.551	392.73		
394.00	10.00	374.00	15 1/2	3/8	14.724	94.84		
394.00	12.50	369.00	15 1/2	1/2	14.528	117.78		
394.00	16.00	362.00	15 1/2	5/8	14.252	149.38		
394.00	20.00	354.00	15 1/2	3/4	13.937	184.75		
394.00	25.00	344.00	15 1/2	1	13.543	227.85		
394.00	30.00	334.00	15 1/2		13.150	269.72		
394.00	36.00	322.00	15 1/2		12.677	318.33		

METRIC SIZES

IMPERIAL SIZES

WEIGHT

REFERENCE

METRIC SIZES			IMPERIAL SIZES			WEIGHT		REFERENCE
O.D.	Wall	Bore	O.D.	Wall	Bore	KG/MTR		
394.00	40.00	314.00	15 1/2		12.362	349.75		
394.00	50.00	294.00	15 1/2	2	11.575	424.84		
394.00	60.00	274.00	15 1/2		10.787	494.98		
406.40	10.00	386.40	16	3/8	15.213	97.91		
406.40	12.50	381.40	16	1/2	15.016	121.61		
406.40	16.00	374.40	16	5/8	14.740	154.28		
406.40	19.00	368.40	16	3/4	14.504	181.80		
406.40	22.00	362.40	16	7/8	14.268	208.88		
406.40	25.00	356.40	16	1	14.032	235.51		
406.40	28.00	350.40	16	1 1/8	13.795	261.70		
406.40	30.00	346.40	16		13.638	278.91		
406.40	32.00	342.40	16	1 1/4	13.480	296.92		
406.40	36.00	334.40	16		13.165	329.35		
406.40	40.00	326.40	16		12.850	362.00		
406.40	50.00	306.40	16	2	12.063	440.15		
419.10	12.50	394.10	16 1/2	1/2	15.516	125.53		
419.10	16.00	387.10	16 1/2	5/8	15.240	159.30		
419.10	20.00	379.10	16 1/2	3/4	14.925	197.15		
419.10	25.00	369.10	16 1/2	1	14.532	243.36		
419.10	30.00	359.10	16 1/2		14.138	288.32		
419.10	36.00	347.10	16 1/2		13.665	340.65		
419.10	40.00	339.10	16 1/2		13.350	374.55		
419.10	45.00	329.10	16 1/2		12.957	415.81		
419.10	50.00	319.10	16 1/2	2	12.563	455.83		
419.10	55.00	309.10	16 1/2		12.169	494.62		
419.10	60.00	299.10	16 1/2		11.776	532.18		
445.00	12.50	420.00	17 1/2	1/2	16.535	133.53		
445.00	16.00	413.00	17 1/2	5/8	16.260	169.54		
445.00	20.00	405.00	17 1/2	3/4	15.945	209.95		
445.00	25.00	395.00	17 1/2	1	15.551	259.35		
445.00	30.00	385.00	17 1/2		15.157	307.51		
445.00	36.00	373.00	17 1/2		14.685	363.68		
445.00	40.00	365.00	17 1/2		14.370	400.14		
445.00	45.00	355.00	17 1/2		13.976	444.60		

Telephone 01942 615130. Remember no minimum charge!

Seamless mechanical steel tube

METRIC SIZES			IMPERIAL SIZES			WEIGHT	REFERENCE
O.D.	Wall	Bore	O.D.	Wall	Bore	KG/MTR	
445.00	50.00	345.00	17 1/2	2	13.583	487.82	
445.00	55.00	335.00	17 1/2		13.189	529.81	
445.00	60.00	325.00	17 1/2		12.795	570.57	
457.00	10.00	437.00	18	3/8	17.205	110.41	
457.00	12.50	432.00	18	1/2	17.008	137.23	
457.00	16.00	425.00	18	5/8	16.732	174.28	
457.00	20.00	417.00	18	3/4	16.417	215.87	
457.00	25.00	407.00	18	1	16.024	266.76	
457.00	28.00	401.00	18	1 1/8	15.787	296.69	
457.00	30.00	397.00	18	1 1/4	15.630	316.41	
457.00	32.00	393.00	18	1 1/4	15.472	335.92	
457.00	36.00	385.00	18		15.157	374.35	
457.00	40.00	377.00	18		14.843	412.00	
457.00	45.00	367.00	18		14.449	457.93	
457.00	50.00	357.00	18	2	14.055	502.64	

Telephone 01942 615130. Remember no minimum charge!

HOLLOW BARS TO EN 10294-1:2005 HB 470 AR

DELIVERED TUBE SIZES

HOLLOW BARS
DIMENSIONAL CODEGuaranteed Dimensions
after machining OD ChuckingManufacturing
DimensionsGuaranteed Dimensions
after machining ID
Chucking

Tolerances

O.D.max	I.D.min	O.D.	WT	Weight	O.D.min	O.D.max	WT.min	WT.max	O.D.max	I.D.min
mm	mm	mm	mm	kg/m	mm	mm	mm	mm	mm	mm
30	20	30.75	6.20	3.8	30.6	30.9	5.7	6.7	29.3	19.2
30	15	30.75	8.90	4.8	30.6	30.9	8.2	9.6	28.9	13.8
35	25	36.50	6.90	5.0	36.0	37.0	6.4	7.4	34.1	24.0
35	20	35.75	8.90	5.9	35.6	35.9	8.2	9.6	33.9	18.8
40	30	41.30	6.80	5.8	40.8	41.8	6.3	7.3	39.0	29.0
40	25	40.75	8.90	7.0	40.6	40.9	8.2	9.6	38.6	23.8
45	35	46.30	6.80	6.6	45.8	46.8	6.3	7.3	44.0	33.8
45	30	45.75	8.90	8.1	45.6	45.9	8.2	9.6	43.9	28.8
45	25	45.75	11.60	9.8	45.6	45.9	10.7	12.5	43.6	23.5
50	35	51.30	9.50	9.8	50.9	51.7	8.8	10.2	49.1	33.5
50	30	51.30	12.20	11.8	50.9	51.7	11.3	13.1	48.7	28.2
55	40	56.80	9.70	11.3	56.4	57.2	9.0	10.4	54.0	38.5
55	35	56.80	12.40	13.6	56.4	57.2	11.5	13.3	53.7	33.2
55	30	56.80	15.10	15.5	56.4	57.2	14.0	16.2	53.4	27.8
60	45	61.20	9.40	12.0	60.8	61.6	8.7	10.1	59.0	43.5
60	40	61.20	12.10	14.7	60.8	61.6	11.2	13.0	58.7	38.2
60	35	61.20	14.80	16.9	60.8	61.6	13.7	15.9	58.3	32.8
65	50	66.80	9.75	13.7	66.4	67.2	9.0	10.5	64.0	48.5
65	45	66.80	12.45	16.7	66.4	67.2	11.5	13.4	63.7	43.2
65	40	66.80	15.15	19.3	66.4	67.2	14.0	16.3	63.4	37.8
70	55	71.40	9.50	14.5	71.0	71.8	8.8	10.2	69.1	53.5

Telephone 01942 615130. Remember no minimum charge!

DELIVERED TUBE SIZES

HOLLOW BARS
DIMENSIONAL CODE
 Guaranteed Dimensions
 after machining OD Chucking

Manufacturing
 Dimensions

Tolerances

O.D.max		I.D.min		O.D.		WT		Weight		O.D.min		O.D.max		WT.min		WT.max		O.D.max		I.D.min	
mm	mm	mm	mm	mm	mm	mm	mm	kg/m	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
70	50	71.40	12.20	17.8	71.0	71.8	11.3	13.1	68.7	48.2											
70	45	71.40	14.55	20.4	71.0	71.8	13.8	15.3	68.6	43.4											
70	40	71.40	17.20	23.0	71.0	71.8	16.3	18.1	68.3	38.2											
75	60	76.20	9.40	15.5	75.8	76.6	8.7	10.1	74.1	58.5											
75	55	76.20	12.10	19.1	75.8	76.6	11.2	13.0	73.7	53.2											
75	50	76.20	14.40	21.9	75.8	76.6	13.7	15.1	73.6	48.5											
75	45	76.20	17.10	24.9	75.8	76.6	16.2	18.0	73.3	43.2											
75	40	76.20	19.70	27.4	75.8	76.6	18.7	20.7	73.0	38.0											
80	65	81.40	9.50	16.8	81.0	81.8	8.8	10.2	79.1	63.5											
80	60	81.40	12.20	20.8	81.0	81.8	11.3	13.1	78.8	58.2											
80	55	81.40	14.55	24.0	81.0	81.8	13.8	15.3	78.6	53.4											
80	50	81.40	17.20	27.2	81.0	81.8	16.3	18.1	78.4	48.2											
80	45	81.40	19.80	30.1	81.0	81.8	18.8	20.8	78.1	43.0											
85	70	86.40	9.55	18.1	86.0	86.8	8.8	10.3	84.1	68.4											
85	65	86.40	12.25	22.4	86.0	86.8	11.3	13.2	83.8	63.1											
85	60	86.40	14.55	25.8	86.0	86.8	13.8	15.3	83.6	58.4											
85	55	86.40	17.20	29.4	86.0	86.8	16.3	18.1	83.4	53.2											
85	50	86.40	19.80	32.5	86.0	86.8	18.8	20.8	83.1	48.0											
90	75	91.20	9.40	19.0	90.8	91.6	8.7	10.1	89.1	73.5											
90	70	91.20	12.10	23.6	90.8	91.6	11.2	13.0	88.8	68.2											
90	65	91.20	14.40	27.3	90.8	91.6	13.7	15.1	88.6	63.5											
90	60	91.20	17.10	31.2	90.8	91.6	16.2	18.0	88.4	58.2											
90	55	91.20	19.70	34.7	90.8	91.6	18.7	20.7	87.4	53.0											
90	50	91.20	22.90	38.6	90.8	91.6	21.2	24.6	87.6	46.8											
95	80	96.20	9.70	20.7	95.7	96.7	8.7	10.7	94.0	78.0											
95	75	96.20	12.20	25.3	95.7	96.7	11.3	13.1	93.8	73.0											
95	70	96.20	14.50	29.2	95.7	96.7	13.8	15.2	93.6	68.3											
95	65	96.20	17.10	33.4	95.7	96.7	16.2	18.0	93.4	63.2											
95	60	96.20	19.75	37.2	95.7	96.7	18.8	20.7	93.1	57.9											
95	55	96.20	22.35	40.7	95.7	96.7	21.2	23.5	92.8	52.7											
95	50	96.20	25.00	43.9	95.7	96.7	23.8	26.3	92.5	47.5											
95	45	96.20	27.60	46.7	95.7	96.7	26.2	29.0	92.2	42.3											
100	85	101.60	9.60	21.8	101.1	102.1	8.9	10.3	99.2	83.6											
100	80	101.60	12.30	27.1	101.1	102.1	11.4	13.2	98.9	78.2											
100	75	101.60	14.70	31.5	101.1	102.1	13.6	15.8	98.8	73.4											
100	70	101.60	17.30	36.0	101.1	102.1	16.4	18.2	98.5	68.2											
100	65	101.60	19.95	40.2	101.1	102.1	19.0	20.9	98.2	62.9											
100	60	101.60	22.60	44.0	101.1	102.1	21.5	23.7	97.9	57.7											
100	55	101.60	25.20	47.5	101.1	102.1	23.9	26.5	97.6	52.5											
100	50	101.60	27.85	50.7	101.1	102.1	26.5	29.2	97.3	47.2											
105	90	106.60	9.95	23.7	106.1	107.1	9.0	10.9	104.1	87.9											
105	85	106.60	12.10	28.2	106.1	107.1	11.5	12.7	104.0	83.5											
105	80	106.60	14.70	33.3	106.1	107.1	14.0	15.4	103.7	78.4											
105	75	106.60	17.35	38.2	106.1	107.1	16.5	18.2	103.5	73.1											
105	70	106.60	20.00	42.7	106.1	107.1	19.0	21.0	103.2	67.8											
105	65	106.60	22.60	46.8	106.1	107.1	21.5	23.7	102.9	62.7											
105	60	106.60	25.25	50.7	106.1	107.1	24.0	26.5	102.6	57.4											
105	55	106.60	27.90	54.1	106.1	107.1	26.5	29.3	102.3	52.1											
105	50	106.60	31.30	58.1	106.1	107.1	29.0	33.6	101.8	45.6											
110	95	111.60	9.95	24.9	111.0	112.2	9.0	10.9	109.1	92.9											
110	90	111.60	12.10	29.7	111.0	112.2	11.5	12.7	109.0	88.6											
110	85	111.60	14.70	35.1	111.0	112.2	14.0	15.4	108.7	83.4											
110	80	111.60	17.35	40.3	111.0	112.2	16.5	18.2	108.4	78.1											
110	75	111.60	20.00	45.2	111.0	112.2	19.0	21.0	108.2	72.9											
110	70	111.60	22.60	49.6	111.0	112.2	21.5	23.7	107.9	67.7											
110	65	111.60	25.30	53.8	111.0	112.2	24.0	26.6	107.6	62.3											
110	60	111.60	27.95	57.7	111.0	112.2	26.6	29.3	107.3	57.0											

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HOLLOW BARS TO EN 10294-1:2005 HB 470 AR

DELIVERED TUBE SIZES

**HOLLOW BARS
DIMENSIONAL CODE**
Guaranteed Dimensions
after machining OD Chucking

Manufacturing
Dimensions

Tolerances

O.D.max I.D.min O.D. WT Weight O.D.min O.D.max WT.min WT.max O.D.max I.D.min

mm	mm	mm	mm	kg/m	mm	mm	mm	mm	mm	mm	mm	mm	mm
110	55	111.60	30.60	61.1	111.0	112.2	29.1	32.1	107.0	51.8			
115	100	116.60	9.95	26.2	116.0	117.2	9.0	10.9	114.0	98.0			
115	95	116.60	12.10	31.2	116.0	117.2	11.5	12.7	114.0	93.6			
115	90	116.60	14.75	37.0	116.0	117.2	14.0	15.5	113.7	88.3			
115	85	116.60	17.35	42.5	116.0	117.2	16.5	18.2	113.4	83.1			
115	80	116.60	20.00	47.6	116.0	117.2	19.0	21.0	113.1	77.9			
115	75	116.60	22.65	52.5	116.0	117.2	21.5	23.8	112.9	72.6			
115	70	116.60	25.25	56.9	116.0	117.2	24.0	26.5	112.6	67.4			
115	65	116.60	27.90	61.0	116.0	117.2	26.5	29.3	112.3	62.2			
115	60	116.60	30.60	64.9	116.0	117.2	29.1	32.1	112.0	56.8			
115	55	116.60	33.20	68.3	116.0	117.2	31.5	34.9	111.7	51.6			
120	105	121.60	10.00	27.5	121.0	122.2	9.0	11.0	119.0	103.0			
120	100	121.60	12.10	32.7	121.0	122.2	11.5	12.7	118.9	98.7			
120	95	121.60	14.75	38.9	121.0	122.2	14.0	15.5	118.7	93.4			
120	90	121.60	17.40	44.7	121.0	122.2	16.5	18.3	118.4	88.1			
120	85	121.60	20.00	50.1	121.0	122.2	19.0	21.0	118.1	83.0			
120	80	121.60	22.65	55.3	121.0	122.2	21.5	23.8	117.8	77.7			
120	75	121.60	25.30	60.1	121.0	122.2	24.0	26.6	117.6	72.4			
120	70	121.60	27.95	64.5	121.0	122.2	26.6	29.3	117.3	67.2			
120	65	121.60	30.60	68.7	121.0	122.2	29.1	32.1	117.0	61.9			
120	60	121.60	33.20	72.4	121.0	122.2	31.5	34.9	116.7	56.7			
125	110	126.80	10.20	29.3	126.2	127.4	9.2	11.2	124.0	107.9			
125	105	126.80	12.30	34.7	126.2	127.4	11.7	12.9	123.7	103.7			
125	100	126.80	14.90	41.1	126.2	127.4	14.2	15.6	123.6	98.4			
125	95	126.80	17.55	47.3	126.2	127.4	16.7	18.4	123.4	93.2			
125	90	126.80	20.15	53.0	126.2	127.4	19.1	21.2	123.1	88.0			
125	85	126.80	22.80	58.5	126.2	127.4	21.7	23.9	122.8	82.7			
125	80	126.80	25.50	63.7	126.2	127.4	24.2	26.8	122.5	77.4			
125	75	126.80	28.10	68.4	126.2	127.4	26.7	29.5	122.3	72.2			
125	70	126.80	30.75	72.8	126.2	127.4	29.2	32.3	122.0	66.9			
125	65	126.80	33.40	76.9	126.2	127.4	31.7	35.1	121.7	61.6			
125	60	126.80	36.00	80.6	126.2	127.4	34.2	37.8	121.4	56.5			
125	55	126.80	38.70	84.1	126.2	127.4	36.8	40.6	121.1	51.1			
130	115	132.00	10.35	31.0	131.3	132.7	9.3	11.4	129.0	112.8			
130	110	132.00	12.45	36.7	131.3	132.7	11.8	13.1	129.0	108.5			
130	105	132.00	15.10	43.5	131.3	132.7	14.3	15.9	128.7	103.2			
130	100	132.00	17.70	49.9	131.3	132.7	16.8	18.6	128.4	98.1			
130	95	132.00	20.35	56.0	131.3	132.7	19.3	21.4	128.2	92.8			
130	90	132.00	22.95	61.7	131.3	132.7	21.8	24.1	127.9	87.6			
130	85	132.00	25.60	67.2	131.3	132.7	24.3	26.9	127.6	82.4			
130	80	132.00	28.25	72.3	131.3	132.7	26.8	29.7	127.3	77.1			
130	75	132.00	30.90	77.0	131.3	132.7	29.4	32.4	127.0	71.8			
130	70	132.00	33.50	81.4	131.3	132.7	31.8	35.2	126.8	66.7			
130	65	132.00	36.20	85.5	131.3	132.7	34.4	38.0	126.5	61.3			
130	60	132.00	38.80	89.2	131.3	132.7	36.9	40.7	126.2	56.1			
130	55	132.00	42.50	93.8	131.3	132.7	39.3	45.7	125.5	49.0			
140	125	142.00	10.35	33.6	141.3	142.7	9.3	11.4	139.0	122.8			
140	120	142.00	12.50	39.9	141.3	142.7	11.9	13.1	138.9	118.4			
140	115	142.00	15.10	47.3	141.3	142.7	14.3	15.9	138.7	113.3			
140	110	142.00	17.75	54.4	141.3	142.7	16.9	18.6	138.4	108.0			
140	105	142.00	20.40	61.2	141.3	142.7	19.4	21.4	138.1	102.7			
140	100	142.00	23.00	67.5	141.3	142.7	21.9	24.2	137.9	97.5			
140	95	142.00	25.65	73.6	141.3	142.7	24.4	26.9	137.6	92.3			
140	90	142.00	28.30	79.3	141.3	142.7	26.9	29.7	137.3	87.0			
140	85	142.00	30.95	84.8	141.3	142.7	29.4	32.5	137.0	81.7			
140	80	142.00	33.50	89.6	141.3	142.7	31.8	35.2	136.7	76.7			
140	75	142.00	36.20	94.4	141.3	142.7	34.4	38.0	136.4	71.3			

Telephone 01942 615130. Remember no minimum charge!

**HOLLOW BARS
DIMENSIONAL CODE**

Guaranteed Dimensions
after machining OD Chucking

DELIVERED TUBE SIZES

Manufacturing
Dimensions

Tolerances

Guaranteed Dimensions
after machining ID
Chucking

O.D. max		I.D.min	O.D.	WT	Weight	O.D.min	O.D. max	WT.min	WT.max	O.D.max	I.D.min
mm	mm	mm	mm	mm	kg/m	mm	mm	mm	mm	mm	mm
140	70	142.00	38.80	98.7	141.3	142.7	36.9	41.7	136.2	66.1	
140	65	142.00	42.50	104.3	141.3	142.7	39.3	45.7	135.5	59.0	
150	135	152.20	10.60	37.0	151.4	153.0	9.5	11.7	149.1	132.6	
150	130	152.20	12.65	43.5	151.4	153.0	12.0	13.3	149.0	128.4	
150	125	152.20	15.30	51.7	151.4	153.0	14.5	16.1	148.7	123.2	
150	120	152.20	17.90	59.3	151.4	153.0	17.0	18.8	148.4	118.0	
150	115	152.20	20.50	66.6	151.4	153.0	19.5	21.5	148.2	112.8	
150	110	152.20	23.15	73.7	151.4	153.0	22.0	24.3	147.9	107.6	
150	105	152.20	25.80	80.4	151.4	153.0	24.5	27.1	147.6	102.3	
150	100	152.20	28.45	86.8	151.4	153.0	27.0	29.9	147.4	97.0	
150	95	152.20	31.10	92.9	151.4	153.0	29.5	32.7	147.1	91.8	
150	90	152.20	33.70	98.5	151.4	153.0	32.0	35.4	146.8	86.6	
150	85	152.20	36.35	103.8	151.4	153.0	34.5	38.2	146.5	81.3	
150	80	152.20	39.00	108.9	151.4	153.0	37.1	41.0	146.2	76.1	
150	75	152.20	41.60	113.5	151.4	153.0	39.5	43.7	145.9	70.9	
150	70	152.20	44.20	117.7	151.4	153.0	42.0	46.4	145.6	65.7	
150	65	152.20	46.90	121.8	151.4	153.0	44.6	49.2	145.4	60.4	
155	140	157.10	10.50	38.0	156.3	157.9	9.5	11.6	153.9	137.8	
155	135	157.10	12.70	45.2	156.3	157.9	12.1	13.3	153.8	133.4	
155	130	157.10	15.30	53.5	156.3	157.9	14.5	16.1	153.6	128.2	
155	125	157.10	17.95	61.6	156.3	157.9	17.1	18.8	153.3	122.9	
155	120	157.10	20.60	69.3	156.3	157.9	19.6	21.6	153.1	117.7	
155	115	157.10	23.20	76.6	156.3	157.9	22.0	24.4	152.8	112.5	
155	110	157.10	25.85	83.7	156.3	157.9	24.6	27.1	152.5	107.2	
155	105	157.10	28.45	90.3	156.3	157.9	27.0	29.9	152.2	102.0	
155	100	157.10	31.10	96.6	156.3	157.9	29.5	32.7	151.9	96.8	
155	95	157.10	33.75	102.7	156.3	157.9	32.1	35.4	151.7	91.5	
155	90	157.10	36.40	108.3	156.3	157.9	34.6	38.2	151.4	86.2	
155	85	157.10	39.00	113.6	156.3	157.9	37.1	41.0	151.1	81.1	
155	80	157.10	41.65	118.6	156.3	157.9	39.6	43.7	150.8	75.8	
155	75	157.10	44.20	123.1	156.3	157.9	42.0	46.4	150.5	70.7	
155	70	157.10	48.10	129.3	156.3	157.9	44.5	51.7	149.8	63.3	
155	65	157.10	50.80	133.2	156.3	157.9	47.0	54.6	149.5	59.3	
160	145	162.10	10.50	39.3	161.3	162.9	9.5	11.6	159.0	142.9	
160	140	162.10	12.70	46.8	161.3	162.9	12.1	13.3	158.9	138.4	
160	135	162.10	15.25	55.2	161.3	162.9	14.5	16.0	158.6	133.3	
160	130	162.10	17.90	63.7	161.3	162.9	17.0	18.8	158.4	128.0	
160	125	162.10	20.50	71.6	161.3	162.9	19.5	21.5	158.1	122.9	
160	120	162.10	23.15	79.3	161.3	162.9	22.0	24.3	157.9	117.6	
160	115	162.10	25.80	86.7	161.3	162.9	24.5	27.1	157.6	112.3	
160	110	162.10	28.40	93.6	161.3	162.9	27.0	29.8	157.3	107.2	
160	105	162.10	31.10	100.5	161.3	162.9	29.5	32.7	157.0	101.8	
160	100	162.10	33.70	106.7	161.3	162.9	32.0	35.4	156.7	96.6	
160	95	162.10	36.35	112.7	161.3	162.9	34.5	38.2	156.5	91.3	
160	90	162.10	39.00	118.4	161.3	162.9	37.1	41.0	156.2	86.1	
160	85	162.10	41.60	123.6	161.3	162.9	39.5	43.7	155.9	80.9	
160	80	162.10	44.20	128.5	161.3	162.9	42.0	46.4	155.6	75.7	
160	75	162.10	46.90	133.2	161.3	162.9	44.6	49.2	155.3	70.4	
160	70	162.10	49.50	137.4	161.3	162.9	47.0	52.0	155.0	65.2	
170	155	172.30	10.65	42.5	171.4	173.2	9.6	11.7	169.0	152.8	
170	150	172.30	13.10	51.4	171.4	173.2	12.1	14.1	168.8	147.9	
170	145	172.30	15.75	60.8	171.4	173.2	14.6	16.9	168.6	142.6	
170	140	172.30	18.00	68.5	171.4	173.2	17.1	18.9	168.4	138.0	
170	135	172.30	20.65	77.2	171.4	173.2	19.6	21.7	168.2	132.8	
170	130	172.30	23.25	85.5	171.4	173.2	22.1	24.4	167.9	127.6	
170	125	172.30	25.90	93.5	171.4	173.2	24.6	27.2	167.6	122.3	
170	120	172.30	28.55	101.2	171.4	173.2	27.1	30.0	167.4	117.1	

Telephone 01942 615130. Remember no minimum charge!

**HOLLOW BARS
DIMENSIONAL CODE**

Guaranteed Dimensions
after machining OD Chucking

DELIVERED TUBE SIZES

Manufacturing
Dimensions

Tolerances

Guaranteed Dimensions
after machining ID
Chucking

O.D. max		I.D.min	O.D.	WT	Weight	O.D.min	O.D. max	WT.min	WT.max	O.D.max	I.D.min
mm	mm	mm	mm	mm	kg/m	mm	mm	mm	mm	mm	mm
170	115	172.30	31.15	108.4	171.4	173.2	29.6	32.7	167.1	111.9	
170	110	172.30	33.85	115.6	171.4	173.2	32.2	35.5	166.8	106.5	
170	105	172.30	36.45	122.1	171.4	173.2	34.6	38.3	166.5	101.4	
170	100	172.30	39.10	128.4	171.4	173.2	37.1	41.1	166.2	96.1	
170	95	172.30	41.80	134.5	171.4	173.2	39.7	43.9	166.0	90.7	
170	90	172.30	44.40	140.0	171.4	173.2	42.2	46.6	165.7	85.6	
170	85	172.30	47.00	145.2	171.4	173.2	44.7	49.4	165.4	80.4	
170	80	172.30	49.65	150.2	171.4	173.2	47.2	52.1	165.1	75.1	
175	160	177.80	11.00	45.2	176.9	178.7	9.9	12.1	174.0	157.6	
175	155	177.80	13.40	54.3	176.9	178.7	12.4	14.4	173.7	152.9	
175	150	177.80	16.20	64.6	176.9	178.7	15.0	17.4	173.4	147.3	
175	145	177.80	18.40	72.3	176.9	178.7	17.5	19.3	173.4	142.8	
175	140	177.80	21.10	81.5	176.9	178.7	20.0	22.2	173.1	137.4	
175	135	177.80	23.70	90.1	176.9	178.7	22.5	24.9	172.9	132.2	
175	130	177.80	26.30	98.3	176.9	178.7	25.0	27.6	172.6	127.1	
175	125	177.80	29.00	106.4	176.9	178.7	27.6	30.5	172.3	121.7	
175	120	177.80	31.60	113.9	176.9	178.7	30.0	33.2	172.1	116.5	
175	115	177.80	34.20	121.1	176.9	178.7	32.5	35.9	171.8	111.4	
175	110	177.80	36.90	128.2	176.9	178.7	35.1	38.7	171.5	106.0	
175	105	177.80	39.50	134.7	176.9	178.7	37.5	41.5	171.2	100.8	
175	100	177.80	42.10	140.9	176.9	178.7	40.0	44.2	170.9	95.6	
175	95	177.80	44.80	146.9	176.9	178.7	42.6	47.0	170.6	90.3	
175	90	177.80	47.40	152.4	176.9	178.7	45.0	49.8	170.4	85.1	
175	85	177.80	50.00	157.6	176.9	178.7	47.5	52.5	170.1	79.9	
180	165	182.20	10.65	45.1	181.3	183.1	9.6	11.7	179.0	162.7	
180	160	182.20	13.10	54.6	181.3	183.1	12.1	14.1	178.8	157.8	
180	155	182.20	15.70	64.5	181.3	183.1	14.5	16.9	178.5	152.6	
180	150	182.20	18.00	72.9	181.3	183.1	17.1	18.9	178.4	148.0	
180	145	182.20	20.60	82.1	181.3	183.1	19.6	21.6	178.1	142.8	
180	140	182.20	23.25	91.1	181.3	183.1	22.1	24.4	177.9	137.5	
180	135	182.20	25.90	99.8	181.3	183.1	24.6	27.2	177.6	132.3	
180	130	182.20	28.50	108.0	181.3	183.1	27.1	29.9	177.3	127.1	
180	125	182.20	31.15	116.0	181.3	183.1	29.6	32.7	177.1	121.8	
180	120	182.20	33.80	123.7	181.3	183.1	32.1	35.5	176.8	116.6	
180	115	182.20	36.45	131.0	181.3	183.1	34.6	38.3	176.5	111.3	
180	110	182.20	39.10	138.0	181.3	183.1	37.1	41.1	176.2	106.0	
180	105	182.20	41.70	144.5	181.3	183.1	39.6	43.8	175.9	100.9	
180	100	182.20	44.40	150.9	181.3	183.1	42.2	46.6	175.6	95.5	
180	95	182.20	47.00	156.7	181.3	183.1	44.7	49.4	175.4	90.3	
180	90	182.20	49.60	162.2	181.3	183.1	47.1	52.1	175.1	85.2	
185	170	187.30	10.70	46.6	186.4	188.2	9.6	11.8	183.9	167.7	
185	165	187.30	13.15	56.5	186.4	188.2	12.2	14.1	183.8	162.8	
185	160	187.30	15.85	67.0	186.4	188.2	14.7	17.0	183.5	157.4	
185	155	187.30	18.10	75.5	186.4	188.2	17.2	19.0	183.4	152.9	
185	150	187.30	20.75	85.2	186.4	188.2	19.7	21.8	183.1	147.6	
185	145	187.30	23.40	94.6	186.4	188.2	22.2	24.6	182.8	142.3	
185	140	187.30	26.00	103.4	186.4	188.2	24.7	27.3	182.6	137.2	
185	135	187.30	28.65	112.1	186.4	188.2	27.2	30.1	182.3	131.9	
185	130	187.30	31.30	120.4	186.4	188.2	29.7	32.9	182.0	126.6	
185	125	187.30	33.90	128.2	186.4	188.2	32.2	35.6	181.8	121.5	
185	120	187.30	36.55	135.9	186.4	188.2	34.7	38.4	181.5	116.2	
185	115	187.30	39.20	143.2	186.4	188.2	37.2	41.2	181.2	110.9	
185	110	187.30	41.80	150.0	186.4	188.2	39.7	43.9	180.9	105.8	
185	105	187.30	44.45	156.6	186.4	188.2	42.2	46.7	180.6	100.5	
185	100	187.30	47.10	162.8	186.4	188.2	44.7	49.5	180.3	95.2	
185	95	187.30	49.70	168.6	186.4	188.2	47.2	52.2	180.0	90.1	
190	175	192.30	10.80	48.3	191.3	193.3	9.7	11.9	189.0	172.5	

Telephone 01942 615130. Remember no minimum charge!

DELIVERED TUBE SIZES

**HOLLOW BARS
DIMENSIONAL CODE**
Guaranteed Dimensions
after machining OD Chucking

**Manufacturing
Dimensions**
Guaranteed Dimensions
after machining ID
Chucking

Tolerances

O.D. max		I.D.min		O.D.		WT		Weight		O.D.min		O.D. max		WT.min		WT.max		O.D.max		I.D.min	
mm	mm	mm	mm	mm	mm	mm	mm	kg/m	kg/m	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
190	170	192.30	13.10	191.3	193.3	57.9	12.1	14.1	188.8	167.9											
190	165	192.30	15.80	191.3	193.3	68.8	14.6	17.0	188.6	162.6											
190	160	192.30	18.10	191.3	193.3	77.8	17.2	19.0	188.4	157.9											
190	155	192.30	20.65	191.3	193.3	87.4	19.6	21.7	188.2	152.8											
190	150	192.30	23.30	191.3	193.3	97.1	22.1	24.5	187.9	147.6											
190	145	192.30	26.00	191.3	193.3	106.6	24.7	27.3	187.7	142.2											
190	140	192.30	28.60	191.3	193.3	115.5	27.2	30.0	187.4	137.0											
190	135	192.30	31.20	191.3	193.3	123.9	29.6	32.8	187.1	131.8											
190	130	192.30	33.80	191.3	193.3	132.1	32.1	35.5	186.8	126.7											
190	125	192.30	36.50	191.3	193.3	140.2	34.7	38.3	186.6	121.3											
190	120	192.30	39.10	191.3	193.3	147.7	37.1	41.1	186.3	116.1											
190	115	192.30	41.80	191.3	193.3	155.1	39.7	43.9	186.0	110.8											
190	110	192.30	44.40	191.3	193.3	161.9	42.2	46.6	185.7	105.6											
190	105	192.30	47.10	191.3	193.3	168.6	44.7	49.5	185.4	100.2											
190	100	192.30	49.70	191.3	193.3	174.8	47.2	52.2	185.1	95.1											
200	185	203.00	11.00	202.0	204.0	52.1	10.2	11.8	199.0	182.6											
200	180	203.00	13.70	202.0	204.0	64.0	12.7	14.7	198.8	177.4											
200	175	203.00	16.30	202.0	204.0	75.0	15.1	17.5	198.5	172.3											
200	170	203.00	18.50	202.0	204.0	84.2	17.6	19.4	198.4	167.8											
200	165	203.00	21.20	202.0	204.0	95.0	20.1	22.3	198.1	162.4											
200	160	203.00	23.80	202.0	204.0	105.2	22.6	25.0	197.9	157.3											
200	155	203.00	26.45	202.0	204.0	115.2	25.1	27.8	197.6	152.0											
200	150	203.00	29.10	202.0	204.0	124.8	27.6	30.6	197.3	146.7											
200	145	203.00	31.70	202.0	204.0	133.9	30.1	33.3	197.1	141.6											
200	140	203.00	34.30	202.0	204.0	142.7	32.6	36.0	196.8	136.4											
200	135	203.00	37.00	202.0	204.0	151.5	35.2	38.9	196.5	131.0											
200	130	203.00	39.60	202.0	204.0	159.6	37.6	41.6	196.2	125.9											
200	125	203.00	42.25	202.0	204.0	167.5	40.1	44.4	195.9	120.6											
200	120	203.00	44.90	202.0	204.0	175.1	42.7	47.1	195.7	115.3											
200	115	203.00	47.50	202.0	204.0	182.1	45.1	49.9	195.4	110.2											
200	110	203.00	50.15	202.0	204.0	189.0	47.6	52.7	195.1	104.9											
200	105	203.00	52.75	202.0	204.0	195.4	50.1	55.4	194.8	99.7											
200	100	203.00	55.40	202.0	204.0	201.6	52.6	58.2	194.5	94.5											
210	190	214.10	15.10	212.5	215.7	74.1	13.6	16.6	208.1	186.5											
210	185	214.10	17.40	212.5	215.7	84.4	16.1	18.7	208.0	181.9											
210	180	214.10	20.10	212.5	215.7	96.2	18.6	21.6	207.8	176.5											
210	175	214.10	22.80	212.5	215.7	107.6	21.1	24.5	207.5	171.2											
210	170	214.10	25.50	212.5	215.7	118.6	23.6	27.4	207.3	165.8											
210	165	214.10	28.20	212.5	215.7	129.3	26.1	30.3	207.1	160.5											
210	160	214.10	30.90	212.5	215.7	139.6	28.6	33.2	206.8	155.1											
210	155	214.10	33.60	212.5	215.7	149.6	31.1	36.1	206.5	149.8											
210	150	214.10	36.30	212.5	215.7	159.2	33.6	39.0	206.3	144.4											
210	145	214.10	39.00	212.5	215.7	168.4	36.1	41.9	206.0	139.1											
250	240	254.00	9.60	252.1	255.9	57.9	8.6	10.6	247.5	237.6											
250	235	254.00	12.40	252.1	255.9	73.9	11.2	13.6	247.2	232.1											
250	230	254.00	15.20	252.1	255.9	89.5	13.7	16.7	246.9	226.5											
250	225	254.00	17.90	252.1	255.9	104.2	16.1	19.7	246.6	221.2											
250	220	254.00	20.70	252.1	255.9	119.1	18.6	22.8	246.3	215.7											
250	215	254.00	23.50	252.1	255.9	133.6	21.2	25.9	245.9	210.1											
250	210	254.00	26.30	252.1	255.9	147.7	23.7	28.9	245.6	204.6											
250	205	254.00	29.00	252.1	255.9	160.9	26.1	31.9	245.2	199.3											
250	200	254.00	31.80	252.1	255.9	174.2	28.6	35.0	244.8	193.7											
250	195	254.00	34.60	252.1	255.9	187.2	31.1	38.1	244.4	188.2											
250	190	254.00	37.40	252.1	255.9	199.8	33.7	41.1	244.0	182.7											

THIS IS A MANUFACTURED SIZE LIST, NOT ALL SIZES WILL BE STOCKED BUT CAN BE MADE TO ORDER.

NOTES



Whilst care has been taken to ensure that all dimensions, weights and technical information contained within this booklet are correct at the time of publication, they are for your guidance only. Customers should satisfy themselves that the product offered is suitable for their requirements.

