

## Carbon Hollow Bar

BS 6258

## Chemical Composition

	C	Si	Mn	P	S	V
		max %	max %	max %	max %	max %
Grade 600	0.17-0.22	0.20-0.40	1.4-1.6	0.03	0.02-0.04	0.08-0.15
Grade 490	0.20	0.50	1.50	0.05	0.05	

## Mechanical Properties

## Available on request

All of our material is supported by mill test certification, copies of which can be supplied if requested at the time of order placement.

Whilst the size range we quote is arguably the most comprehensive offered in the UK, should you not see the size you require we may be able to source an "Ideal Size". This option can provide tailor made sizes to individual requirements offering the benefits of reducing raw material and machining times.

Nominal Sizes			Nominal Sizes			Nominal Sizes		
O.D.	BORE	WALL	O.D.	BORE	WALL	O.D.	BORE	WALL
32	25	3.50	56	36	10.00	80	50	15.00
32	20	6.00	56	30	13.00	80	45	17.50
32	16	8.00	56	28	14.00	80	40	20.00
						80	35	22.50
36	28	4.00	63	53	5.00			
36	25	5.50	63	50	6.50	85	70	7.50
36	20	8.00	63	45	9.00	85	67	9.00
36	16	10.00	63	40	11.50	85	61	12.00
36	15	10.50	63	36	13.50	85	55	15.00
			63	32	15.50	85	50	17.50
40	32	4.00				85	45	20.00
40	28	6.00	71	60	5.50	85	40	22.50
40	25	7.50	71	56	7.50	85	35	25.00
40	20	10.00	71	50	10.50			
			71	45	13.00	90	75	7.50
45	36	4.50	71	40	15.50	90	71	9.50
45	32	6.50	71	36	17.50	90	67	11.50
45	28	8.50				90	63	13.50
45	20	12.50	75	63	6.00	90	56	17.00
			75	60	7.50	90	50	20.00
50	40	5.00	75	56	9.50	90	45	22.50
50	36	7.00	75	50	12.50	90	40	25.00
50	32	9.00	75	45	15.00			
50	28	11.00	75	40	17.50	95	80	7.50
50	25	12.50	75	36	19.50	95	75	10.00
						95	71	12.00
56	45	5.50	80	67	6.50	95	69	13.00
56	40	8.00	80	63	8.50	95	67	14.00
56	38	9.00	80	56	12.00	95	63	16.00

Nominal Sizes			Nominal Sizes			Nominal Sizes		
O.D.	BORE	WALL	O.D.	BORE	WALL	O.D.	BORE	WALL
95	59	18.00	132	90	21.00	180	146	17.00
95	56	19.50	132	80	26.00	180	140	20.00
95	50	22.50	132	71	30.50	180	125	27.50
95	45	25.00	132	65	33.50	180	112	34.00
			132	60	36.00	180	100	40.00
100	85	7.50	132	55	38.50	180	90	45.00
100	80	10.00	132	50	41.00	180	80	50.00
100	75	12.50				180	70	55.00
100	71	14.50	140	118	11.00	180	60	60.00
100	63	18.50	140	112	14.00			
100	56	22.00	140	106	17.00	190	170	10.00
100	50	25.00	140	100	20.00	190	165	12.50
100	45	27.50	140	95	22.50	190	160	15.00
100	40	30.00	140	90	25.00	190	155	17.50
			140	80	30.00	190	150	20.00
106	71	17.50	140	70	35.00	190	146	22.00
106	63	21.50	140	65	37.50	190	132	29.00
106	56	25.00	140	60	40.00	190	118	36.00
106	50	28.00	140	55	42.50	190	106	42.00
106	45	30.50	140	50	45.00	190	100	45.00
106	40	33.00				190	90	50.00
106	36	35.00	150	132	9.00	190	80	55.00
			150	125	12.50	190	70	60.00
112	95	8.50	150	122	14.00			
112	90	11.00	150	118	16.00	200	175	12.50
112	85	13.50	150	106	22.00	200	170	15.00
112	80	16.00	150	100	25.00	200	160	20.00
112	75	18.50	150	95	27.50	200	150	25.00
112	71	20.50	150	90	30.00	200	140	30.00
112	63	24.50	150	84	33.00	200	130	35.00
112	59	26.50	150	80	35.00	200	112	44.00
112	56	28.00	150	75	37.50	200	106	47.00
112	50	31.00	150	70	40.00	200	100	50.00
112	45	33.50	150	65	42.50	200	90	55.00
112	42	35.00	150	60	45.00	200	80	60.00
			150	55	47.50			
118	100	9.00	150	50	50.00	212	185	13.50
118	95	11.50				212	180	16.00
118	90	14.00	160	136	12.00	212	170	21.00
118	85	16.50	160	132	14.00	212	160	26.00
118	80	19.00	160	122	19.00	212	150	31.00
118	75	21.50	160	112	24.00	212	140	36.00
118	71	23.50	160	100	30.00	212	125	43.50
118	63	27.50	160	95	32.50	212	112	50.00
118	59	29.50	160	90	35.00	212	102	55.00
118	55	31.50	160	80	40.00	212	92	60.00
118	50	34.00	160	70	45.00			
			160	60	50.00	224	180	22.00
125	106	9.50	160	55	52.50	224	170	27.00
125	100	12.50				224	160	32.00
125	95	15.00	170	145	12.50	224	132	46.00
125	90	17.50	170	140	15.00	224	124	50.00
125	85	20.00	170	130	20.00			
125	80	22.50	170	118	26.00	236	190	23.00
125	71	27.00	170	110	30.00	236	180	28.00
125	65	30.00	170	100	35.00	236	170	33.00
125	60	32.50	170	90	40.00	236	160	38.00
125	55	35.00	170	80	45.00	236	150	43.00
125	50	37.50	170	70	50.00			
			170	60	55.00	250	200	25.00
132	112	10.00				250	180	35.00
132	106	13.00	180	155	12.50	250	150	50.00
132	98	17.00	180	150	15.00			