

HOLLOW BAR

O.D. mm	I.D. mm	W.T. mm	Approx Weight Kg/m	O.D. mm	I.D. mm	W.T. mm	Approx Weight Kg/m	O.D. mm	I.D. mm	W.T. mm	Approx Weight Kg/m	O.D. mm	I.D. mm	W.T. mm	Approx Weight Kg/m			
32	25	3.5	2.8	85	-70	7.5	15.7	125	106	9.5	30.9	190	-170	10	53.7			
	20	6	4.2		67	9	18.4		100	12.5	37.8		-165	12.5	63.8			
	16	8	5		61	12	23.3		95	15	43.8		160	15	73.7			
					55	15	27.4	90	17.5	50	-155	17.5	81.4					
36	28	4	3.6									150	20	90.7				
	25	5.5	4.5									146	22	98.3				
	20	8	5.8									132	29	122				
	16	10	6.7									118	36	143				
				90	-75	7.5	16.9					106	42	160				
					71	9.5	20.7	132	112	10	34.4							
40	32	4	4															
	28	6	5.5															
	25	7.5	6.7									200	160	20	92			
	20	10	7.8										-150	25	116			
												140	30	133.9				
												-130	35	150				
45	36	4.5	5									112	44	177				
	32	6.5	6.7	95	80	7.5	18.1											
	28	8.5	8.1		75	10	22.9					212	180	16	80			
	-25	10	9.1	71	12	26.7	140	118	11	39.9	170		21	1085				
	20	12.5	10.4	-69	13	28		112	14	47.5	160	26	128					
												150	31	147				
50	40	5	6.7									-140	36	164				
	36	7	8.4									125	43.5	189				
	32	9	10.2									92	60	233				
	-28	11	11.3															
	25	12.5	12.3	45	25	46	60	40	102	224	190	17	102					
												180	22	119.7				
56	45	5.5	7.8	100	85	7.5	19.9	150	-132	9	36.2							
	40	8	10.6		80	10	25.7		125	12.5	47.2	-170	27	141				
	36	10	12.6		75	12.5	30.7		118	16	57.3	160	32	161				
	32	12	13.9		71	14.5	33.9		106	22	73.7	-144	40	190				
	28	14	15.3		63	18.5	39.6		-100	25	81.2	132	46	211				
												95	27.5	87.1	236	190	23	132

63	-53	5	8.1	106	90	8	22.1	150	-90	30	92.8	236	-180	28	155			
	50	6.5	9.9						80	35	103.1		170	33	176			
	45	9	12.8						75	37.5	108.2		-160	38	196			
	40	11.5	15.6					80	13	31.9	-150		43	215				
	36	13.5	17.2					75	15.5	36.7	160		136	12	49.3	140	48	233
	32	15.5	18.8					71	17.5	40.9	132		14	55.8				
				112	63	21.5	47.8	170	122	19	71	250	200	25	152.6			
71	60	5.5	10		56	25	53		-118	21	76.9		-190	30	175			
	56	7.5	12.9		50	28	55.6		112	24	85.3		180	35	198			
	50	10.5	17		45	30.5	61		100	30	101		-170	40	219			
	45	13	19.8						-95	32.5	107		-160	45	239			
	40	15.5	22.1		95	8.5	24.6		90	35	112.1		150	50	258			
	36	17.5	23.9	85	13.5	35.3				100	75	334						
75	-63	6	11.9	118	80	16	40.9	170	145	12.5	54.8	273						
	60	7.5	14.3		-75	18.5	45		140	15	63.5		-241	16	101			
	56	9.5	17.2		71	20.5	49.6		130	20	79.6		-233	20	125			
	50	12.5	21		63	24.5	56.4		-126	22	85.9		223	25	153			
	45	15	24.1						118	26	97.8		213	30	180			
	40	17.5	26						110	30	110		201	36	210			
				118	100	9	27.5	180	100	35	122	273	193	40	230			
80	67	6.5	13.1		95	11.5	33.1		-90	40	133		173	50	275			
	63	8.5	16.4		90	14	38.5		80	45	144							
	56	12	21.7		85	16.5	43.9											
	50	15	25.4		80	19	49.8		155	12.5	58.7							
	45	17.5	28.8		-75	21.5	53.7		150	15	68							
	40	20	31.4	71	23.5	58.7	-145	17.5	77									
				118	63	27.5	63.7	180	140	20	85.3							
					50	34	72.7		125	27.5	109.2							
									112	34	128							
									100	40	144							
									70	55	175							

HOLLOW BAR			
O.D. mm	I.D. mm	W.T. mm	Approx Weight Kg/m
298	-266	16	111
	258	20	137
	248	25	169
	238	30	199
	226	36	233
	218	40	255
	208	45	281
	198	50	306
317	226	45.5	327
324	-292	16	121
	-284	20	150
	274	25	184
	264	30	217
	-252	36	256
	244	40	280
224	50	338	
356	-324	16	134
	-316	20	166
	306	25	204
	296	30	241
	-284	36	284
	276	40	311
	270	43	366
	256	50	377
	236	60	438
368	-336	16	139
	328	20	172
	-318	25	211

HOLLOW BAR			
O.D. mm	I.D. mm	W.T. mm	Approx Weight Kg/m
368	308	30	250
	-296	36	295
	288	40	324
	268	50	392
406	-374	16	154
	-366	20	191
	356	25	235
	-346	30	278
	-334	36	329
	326	40	361
	306	50	439
	286	60	512
419	309	55	539
	299	60	572
457	377	40	412
	357	50	502
	347	55	595
	337	60	634
	327	65	629
	317	70	668
508	448	30	354
	-428	40	462
	408	50	565
	-388	60	663
	368	70	756
559	399	80	972
610	490	60	866
	550	30	488
660	500	80	1165

TYPICAL CHEMICAL COMPOSITION					
C%	Si%	Mn%	V%	S%	P%
0.19	0.30	1.50	0.12	0.03	0.03

TYPICAL MECHANICAL PROPERTIES		
Tensile Strength	Yield Strength	Elongation
635 MPa	420 MPa	18%

NB: The OD & ID sizes listed under the Euro Norm, are guaranteed dimensions after machining with external chucking on the material, with a minimum clean-up length of 200mm or 3 times the OD, whichever is shorter. All sizes listed are available in Carbon steel 20MnV6, except for the sizes listed “”. These and other sizes and grades are available ex-Mill and/or ex-stock overseas. Some sizes are also available in 4140 hardened & tempered high tensile steel and 316L free machining stainless steel. Weights are approximate only.