

**Hollow Bar (Sandvic Metric Sizes)**

Typically available in steel, and stainless steel (304 and 316)

O.D.	I.D.	Average Weight	Chucked true to O.D.		Chucked true to I.D.	
			max O.D.	min I.D.	max O.D.	min I.D.
mm	mm	kg/m	mm	mm	mm	mm
32	20	4.2	31.0	21.9	30.1	21.0
32	16	5.1	31.0	18.0	30.0	17.0
36	25	4.5	35.0	26.9	34.1	26.0
36	20	5.9	35.0	22.0	34.0	21.0
36	16	6.8	35.0	18.1	33.9	17.0
40	28	5.5	39.0	29.9	38.1	29.0
40	25	6.5	39.0	27.0	38.0	26.0
40	20	7.8	39.0	22.1	37.9	21.0
45	32	6.7	44.0	33.9	43.1	33.0
45	28	8.2	44.0	30.0	43.0	29.0
45	20	10.5	44.0	22.2	42.8	21.0
50	36	8.0	49.0	38.0	48.0	37.0
50	32	9.7	49.0	34.1	47.9	33.0
50	25	12.1	49.0	27.2	47.8	26.0
56	40	10.2	55.0	42.0	54.0	41.0
56	36	12.1	55.0	38.1	53.9	37.0
56	28	15.2	55.0	30.3	53.7	29.0
60	40	13.2	58.8	42.3	57.7	41.0
63	50	9.9	62.0	51.9	61.1	51.0
63	45	12.2	62.0	47.0	61.0	46.0
63	40	15.4	62.0	42.2	60.8	41.0
63	36	17.3	62.0	38.3	60.7	37.0
63	32	19.0	62.0	34.4	60.6	33.0
71	56	12.9	69.9	58.0	68.9	57.0
71	45	19.6	69.9	47.3	68.6	46.0
71	40	22.3	69.9	42.4	68.5	41.0
71	36	24.1	69.9	38.5	68.4	37.0
75	40	26.0	73.8	42.5	72.3	41.0
80	63	16.4	78.8	65.0	77.8	64.0
80	50	25.3	78.8	52.4	77.4	51.0
80	45	28.3	78.8	47.5	77.3	46.0
80	40	30.9	78.8	42.6	77.2	41.0
85	45	33.5	83.7	47.6	82.1	46.0
90	71	20.6	88.6	73.1	87.6	72.1
90	63	27.1	88.6	65.3	87.3	64.0
90	56	32.3	88.6	58.5	87.1	57.0
90	50	36.1	88.6	52.6	87.0	51.0
95	50	42.1	93.5	52.7	91.8	51.0
100	80	24.4	98.5	82.3	97.4	81.2
100	71	32.7	98.5	73.4	97.2	72.1
100	63	39.2	98.5	65.5	97.0	64.0
100	56	42.3	98.5	58.7	96.8	57.0
106	80	32.3	104.4	82.5	103.1	81.2
106	71	40.6	104.4	73.5	103.0	72.1
106	63	47.1	104.4	65.7	102.7	64.0
106	56	52.1	104.4	58.9	102.5	57.0

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mm	mm	kg/m	mm	mm	mm	mm
112	90	30.2	110.3	92.5	109.2	91.4
112	80	40.6	110.3	82.6	108.9	81.2
112	71	48.8	110.3	73.7	108.7	72.1
112	63	55.3	110.3	65.8	108.5	64.0
118	90	39.0	116.2	92.7	114.9	91.4
118	80	49.4	116.2	82.8	114.6	81.2
118	71	57.6	116.2	73.8	114.5	72.1
118	63	64.2	116.2	66.0	114.2	64.0
125	100	38.3	123.1	102.7	121.9	101.5
125	90	49.8	123.1	92.8	121.7	91.4
125	80	60.2	123.1	82.9	121.4	81.2
125	71	68.5	123.1	74.0	121.2	72.1
132	106	42.0	130.0	108.8	128.8	107.6
132	90	61.1	130.0	93.0	128.4	91.4
132	80	71.5	130.0	83.1	128.1	81.2
132	71	79.7	130.0	74.2	127.9	72.1
140	112	47.8	137.9	115.0	136.6	113.7
140	100	63.3	137.9	103.1	136.3	101.5
140	90	74.9	137.9	93.2	136.1	91.4
140	80	85.2	137.9	83.3	135.8	81.2
150	125	47.4	147.7	128.1	146.5	126.9
150	106	74.2	147.7	109.3	146.0	107.6
150	95	87.7	147.7	98.4	145.7	96.4
150	80	103.3	147.7	83.6	145.3	81.2
160	132	56.2	157.6	135.3	156.3	134.0
160	122	71.6	157.6	125.4	156.0	123.8
160	112	85.8	157.6	115.5	155.8	113.7
170	140	63.8	167.4	143.5	166.0	142.1
170	130	80.2	167.4	133.6	165.8	132.0
170	118	98.4	167.4	121.7	165.5	119.8
170	106	114.7	167.4	109.8	165.2	107.6
180	150	68.4	177.3	153.6	176.0	152.3
180	125	110.0	177.3	128.9	175.3	126.9
190	160	73.0	187.1	163.8	185.7	162.4
190	150	91.9	187.1	153.9	185.5	152.3
190	140	109.9	187.1	144.0	185.3	142.1
190	132	123.0	187.1	136.0	185.1	134.0
200	160	97.6	197.0	164.0	195.4	162.4
200	140	134.0	197.0	144.2	194.9	142.1
212	170	109.0	208.8	174.2	207.2	172.6
212	130	182.0	208.8	134.6	206.2	132.0
224	180	121.0	220.6	184.4	218.9	182.7
224	140	199.0	220.6	144.8	217.9	142.1
236	190	133.0	232.4	194.6	230.7	192.9
236	150	216.0	232.4	155.0	229.7	152.3
250	200	153.0	246.2	204.9	244.3	203.0