

Box Section

Rectangular Hollow Section (RHS)

Standard: EN 10219-2

Grade: S235JRH

Name in the Iranian market: قوطی

Size	Width (mm)	Height (mm)	Thickness (mm)	Outer corner radius (mm)	Inner corner radius (mm)	Length (mm)	Nominal weight (kg/m)	Nominal weight per length (kg)
60×40×2.5	40	60	2.5	5	2.5	6000	3.6	21.6
60×40×3	40	60	3	6	3	6000	4.25	25.5
60×40×4	40	60	4	8	4	6000	5.45	32.7
80×40×3	40	80	3	6	3	6000	5.19	31.1
80×40×4	40	80	4	8	4	6000	6.71	40.3
80×40×5	40	80	5	10	5	6000	8.13	48.8
100×50×3	50	100	3	6	3	6000	6.6	39.6
100×50×4	50	100	4	8	4	6000	8.59	51.6
100×50×5	50	100	5	10	5	6000	10.48	62.9
100×50×6	50	100	6	12	6	6000	12.27	73.6
120×60×4	60	120	4	8	4	6000	10.48	62.9
120×60×5	60	120	5	10	5	6000	12.84	77
120×60×6	60	120	6	12	6	6000	15.1	90.6
120×80×4	80	120	4	8	4	6000	11.73	70.4
120×80×5	80	120	5	10	5	6000	14.41	86.5
120×80×6	80	120	6	12	6	6000	16.98	101.9
140×80×5	80	140	5	10	5	6000	15.98	95.9
140×80×6	80	140	6	12	6	6000	18.87	113.2
140×80×8	80	140	8	20	12	6000	23.9	143.4
150×100×5	100	150	5	10	5	6000	18.33	110
150×100×6	100	150	6	12	6	6000	21.69	130.2
150×100×8	100	150	8	20	12	6000	27.67	166
160×80×5	80	160	5	10	5	6000	17.55	105.3
160×80×6	80	160	6	12	6	6000	20.75	124.5
160×80×8	80	160	8	20	12	6000	26.41	158.5
180×100×5	100	180	5	10	5	6000	20.69	124.1
180×100×6	100	180	6	12	6	6000	24.52	147.1
180×100×8	100	180	8	20	12	6000	31.43	188.6
200×100×5	100	200	5	10	5	6000	22.26	133.6
200×100×6	100	200	6	12	6	6000	26.4	158.4



Size	Width (mm)	Height (mm)	Thickness (mm)	Outer corner radius (mm)	Inner corner radius (mm)	Length (mm)	Nominal weight (kg/m)	Nominal weight per length (kg)
200×100×8	100	200	8	20	12	6000	33.95	203.7
200×100×10	100	200	10	25	15	6000	41.26	247.6
250×150×6	150	250	6	12	6	6000	35.82	214.9
250×150×8	150	250	8	20	12	6000	46.51	279
250×150×10	150	250	10	25	15	6000	56.96	341.8
300×200×6	200	300	6	12	6	6000	45.24	271.5
300×200×8	200	300	8	20	12	6000	59.07	354.4
300×200×10	200	300	10	25	15	6000	72.66	436

Nominal mass to EN 10219-2; the actual weight of a bar may be higher depending on the mill.

Square Hollow Section (SHS)

Standard: EN 10219-2

Grade: S235JRH

Name in the Iranian market: قوطی

Size	Width (mm)	Height (mm)	Thickness (mm)	Outer corner radius (mm)	Inner corner radius (mm)	Length (mm)	Nominal weight (kg/m)	Nominal weight per length (kg)
40×40×2.5	40	40	2.5	5	2.5	6000	2.82	16.9
40×40×3	40	40	3	6	3	6000	3.3	19.8
40×40×4	40	40	4	8	4	6000	4.2	25.2
50×50×2.5	50	50	2.5	5	2.5	6000	3.6	21.6
50×50×3	50	50	3	6	3	6000	4.25	25.5
50×50×4	50	50	4	8	4	6000	5.45	32.7
50×50×5	50	50	5	10	5	6000	6.56	39.4
60×60×3	60	60	3	6	3	6000	5.19	31.1
60×60×4	60	60	4	8	4	6000	6.71	40.3
60×60×5	60	60	5	10	5	6000	8.13	48.8
60×60×6	60	60	6	12	6	6000	9.45	56.7
80×80×3	80	80	3	6	3	6000	7.07	42.4
80×80×4	80	80	4	8	4	6000	9.22	55.3
80×80×5	80	80	5	10	5	6000	11.27	67.6
80×80×6	80	80	6	12	6	6000	13.21	79.3
100×100×4	100	100	4	8	4	6000	11.73	70.4
100×100×5	100	100	5	10	5	6000	14.41	86.5
100×100×6	100	100	6	12	6	6000	16.98	101.9
100×100×8	100	100	8	20	12	6000	21.39	128.3
120×120×5	120	120	5	10	5	6000	17.55	105.3



Size	Width (mm)	Height (mm)	Thickness (mm)	Outer corner radius (mm)	Inner corner radius (mm)	Length (mm)	Nominal weight (kg/m)	Nominal weight per length (kg)
120×120×6	120	120	6	12	6	6000	20.75	124.5
120×120×8	120	120	8	20	12	6000	26.41	158.5
120×120×10	120	120	10	25	15	6000	31.84	191.1
150×150×6	150	150	6	12	6	6000	26.4	158.4
150×150×8	150	150	8	20	12	6000	33.95	203.7
150×150×10	150	150	10	25	15	6000	41.26	247.6
200×200×8	200	200	8	20	12	6000	46.51	279
200×200×10	200	200	10	25	15	6000	56.96	341.8
200×200×12	200	200	12	36	24	6000	65.99	395.9

Nominal mass to EN 10219-2; the actual weight of a bar may be higher depending on the mill.

Nominal / theoretical weight — not the actual delivered weight or weighbridge settlement weight.

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