ASR Steels Steel Weight Chart

Theoretical weights for TMT bars, round rods, ISMB beams, ISMC channels and MS plates. 96866 96052 | contact@asrsteels.in | asrsteels.in

TMT bar weight chart

Diameter	kg per metre	kg per 12 m bar
8 mm	0.395	4.7
10 mm	0.617	7.4
12 mm	0.889	10.7
16 mm	1.580	19.0
20 mm	2.469	29.6
25 mm	3.858	46.3
32 mm	6.321	75.9

MS plate weight chart

Thickness	kg per square metre
5 mm	39.25
6 mm	47.10
8 mm	62.80
10 mm	78.50
12 mm	94.20
16 mm	125.60
20 mm	157.00
25 mm	196.25
32 mm	251.20
40 mm	314.00

ISMB weight chart

Section	kg per metre	kg per 12 m length
ISMB 100	11.5	138.0
ISMB 125	13.0	156.0
ISMB 150	14.9	178.8
ISMB 200	25.4	304.8
ISMB 250	37.3	447.6
ISMB 300	44.2	530.4
ISMB 350	52.4	628.8
ISMB 400	61.6	739.2
ISMB 450	72.4	868.8
ISMB 500	86.9	1042.8
ISMB 600	122.6	1471.2

Round rod weight chart

Diameter	kg per metre	kg per 12 m bar
10 mm	0.617	7.4
12 mm	0.889	10.7
16 mm	1.580	19.0
20 mm	2.469	29.6
25 mm	3.858	46.3
32 mm	6.321	75.9
40 mm	9.877	118.5
50 mm	15.432	185.2

ISMC weight chart

Section	kg per metre	kg per 12 m length
ISMC 75	6.8	81.6
ISMC 100	9.2	110.4
ISMC 125	12.7	152.4
ISMC 150	16.4	196.8
ISMC 175	19.1	229.2
ISMC 200	22.1	265.2
ISMC 225	25.9	310.8
ISMC 250	30.4	364.8
ISMC 300	35.8	429.6
ISMC 350	42.1	505.2
ISMC 400	49.4	592.8

Bar weights use diameter squared divided by 162. Plate weights use a density of 7.85. Actual weight varies within permitted tolerance; the invoice weight from the weighbridge is the one to rely on. Ask for today's rate on WhatsApp: 96866 96052.