

## Weight of Reinforcement Steel Bars with their Standard Cross sectional Areas

S.No.	Nominal Size (In mm)	Cross Sectional Area (Sq mm)	Mass per meter (kg / m)
1.	6	28.3	0.222
2.	7	38.5	0.302
3.	8	50.3	0.395
4.	10	78.6	0.617
5.	12	113.1	0.888
6.	16	201.2	1.58
7.	18	254.6	2.00
8.	20	314.3	2.47
9.	22	380.3	2.98
10.	25	491.1	3.85
11.	28	616.0	4.83
12.	32	804.6	6.31
13.	36	1018.3	7.99
14.	40	1257.2	9.85
15.	45	1591.1	12.5
16.	50	1964.3	15.42

These are as per clause 5.2 of IS 1786 – 1985

## Conversion – Wire Gauge to Equivalent mm (Plates)

S. No.	Wire Gauge	Equivalent mm	Weight – Kg / Sqm
1	10	3.55mm	24.70
2	12	2.50mm	19.61
3	14	2.00mm	15.69
4	16	1.66mm	12.55
5	18	1.25mm	9.80
6	20	1.00mm	7.84
7	22	0.80mm	6.27
8	24	0.63mm	4.94
9	26	0.50mm	3.91
10	28	0.44mm	3.10

## Weight of Standard CHEQUERED PLATES

S. No.	Thickness (in mm)	Weight- Kg / Sqm
1	7mm	61.10
2	10mm	84.60
3	12mm	100.30