Chequered Plate Weight Chart (SS & MS)

Base-plate weight in kg per m2 and kg per sheet | SS 304 chequered at 7.93 g/cm3, MS chequered at 7.85 g/cm3 | IS 3502 pattern plates

SS 304 chequered plates (manufacturer range 3–6 mm)

Thickness (mm)	kg/m2	1250 x 2500 mm kg / sheet	1500 x 3000 mm kg / sheet	1250 x 5000 mm kg / sheet	1500 x 5000 mm kg / sheet	1250 x 6000 mm kg / sheet	1500 x 6000 mm kg / sheet
3	23.79	74.34	107.06	148.69	178.43	178.43	214.11
4	31.72	99.13	142.74	198.25	237.90	237.90	285.48
5	39.65	123.91	178.43	247.81	297.38	297.38	356.85
6	47.58	148.69	214.11	297.38	356.85	356.85	428.22

MS chequered plates (IS 3502 / IS 2062 E250)

Thickness (mm)	kg/m2	1250 x 2500 mm kg / sheet	1500 x 3000 mm kg / sheet	1250 x 5000 mm kg / sheet	1500 x 5000 mm kg / sheet	1250 x 6000 mm kg / sheet	1500 x 6000 mm kg / sheet
2.5	19.63	61.33	88.31	122.66	147.19	147.19	176.63
3	23.55	73.59	105.97	147.19	176.62	176.62	211.95
4	31.40	98.13	141.30	196.25	235.50	235.50	282.60
5	39.25	122.66	176.63	245.31	294.38	294.38	353.25
6	47.10	147.19	211.95	294.37	353.25	353.25	423.90
8	62.80	196.25	282.60	392.50	471.00	471.00	565.20
10	78.50	245.3	353.3	490.6	588.8	588.8	706.5
12	94.20	294.4	423.9	588.7	706.5	706.5	847.8

NOTES

- Thickness is the base plate thickness, excluding the raised pattern. Published IS 3502 charts show the pattern adding roughly 1–3 kg/m2 depending on pattern (diamond, lentil, tear-drop) and bead height (about 0.7–1.1 mm). Weigh for billing.
- Manufacturer ranges: Jindal Stainless chequered sheet 3–6 mm, 1250 and 1500 mm wide (IS 3502 pattern 1A, HRAP). SAIL / mill MS chequered coil and plate are commonly 2.5–6 mm, with 8–12 mm from plate mills; widths 1250 and 1500 mm.
- SS 316 chequered: multiply SS values by 1.006. Not every size is rolled in every thickness.

SOURCES

- Jindal Stainless chequered sheet specification (jindalstainless.com)
- SAIL Bokaro chequered plate rolling, 2026 (psuwatch.com)
- IS 3502: Steel chequered plates

Theoretical weights for reference. Confirm against the mill test certificate and the quotation. Steel Impex India, 231/235 Chouhan House, 2nd Kumbharwada Lane, Sant Sena Maharaj Marg, Mumbai 400004, India.