

Surface Plate Size Chart

A practical reference for engineers and machinists to choose the right surface plate size based on usage.

Plate Size (mm)	Approx. Weight (kg)	Recommended Grade Use
300 × 300 × 50	20	Grade 1 or 2 (small bench work)
450 × 450 × 70	40	Grade 1 or 0 (tool room)
600 × 450 × 90	65	Grade 0 (general inspection)
600 × 600 × 100	90	Grade 0 or 00 (precision layout)
1000 × 630 × 130	200	Grade 0 (medium-size parts)
1000 × 1000 × 150	320	Grade 0 or 00 (inspection lab)
1200 × 900 × 150	400	Grade 0 (tool room standard)
1500 × 1000 × 200	600	Grade 0 (large part inspection)
2000 × 1000 × 250	900	Grade 00 (metrology labs)
2500 × 1600 × 300	1800	Grade 00 (CMM base)
3000 × 2000 × 350	2500+	Grade 00 (precision measurement setup)