



OPERATION INSTRUCTION

Granite Surface Plates

Size (L×W×H)	Grade 00			Grade 0			Weight
	Code	Flatness	Max.load	Code	Flatness	Max.load	
300×200×60mm	6900-132	2.7μm	30kg	6900-032	5.4μm	60 kg	11kg
400×250×60mm	6900-142	2.9μm	50kg	6900-042	5.9μm	100 kg	18kg
400×400×60mm	6900-144	3.1μm	60kg	6900-044	6.3μm	120 kg	29kg
500×315×70mm	6900-153	3.2μm	60kg	6900-053	6.4μm	120 kg	33kg
630×400×80mm	6900-164	3.5μm	65kg	6900-064	7.0μm	130 kg	60kg
630×630×100mm	6900-166	3.8μm	75kg	6900-066	7.6μm	150 kg	119kg
800×500×100mm	6900-185	3.9μm	100kg	6900-085	7.8μm	200 kg	120kg
1000×630×140mm	6900-1106	4.4μm	200kg	6900-0106	8.7μm	400 kg	265kg
1000×750×150mm	6900-1107	4.5μm	300kg	6900-0107	9.0μm	600 kg	337kg
1000×1000×150mm	6900-1101	4.8μm	400kg	6900-0101	9.7μm	800 kg	450kg
1200×800×160mm	6900-1128	4.9μm	500kg	6900-0128	9.8μm	1000 kg	461kg
1600×1000×180mm	6900-1161	5.8μm	600kg	6900-0161	11.5μm	1200 kg	864kg
2000×1000×220mm	6900-1201	6.5μm	650kg	6900-0201	12.9μm	1300 kg	1320kg
2000×1500×250mm	6900-1202	7.0μm	750kg	6900-0202	14.0μm	1500 kg	2250kg



1. Made of Indian granite, high hardness, free from deterioration or dimensional change over time, minimal changes in dimension due to temperature changes.

2. Meet DIN876, grade 00 is for inspection room or lab, grade 0 is for workshop.

3. Physical characteristics of granite:
Shore hardness 94HS; Flexural strength 28MPa; Compressive strength 236MPa;
Elastic modulus 9.88×10^4 MPa; Poisson's ratio 0.33; Volume density 3000kg/m³;
Water absorption rate 0.05%; Linear expansion coefficient $6 \times 10^{-6}/^\circ\text{C}$.

4. Optional accessory: stand for granite surface plate (code 6902),
jack for granite surface plate (code 6903-B)

5. Environmental Requirements: Place in a laboratory with a temperature of $20 \pm 2^\circ\text{C}$ and relative humidity of 40% to 60%. Keep away from windows, direct air conditioning airflow, heating equipment and welding machines. Direct sunlight exposure is prohibited.

6. Lifting and Handling: Use only nylon slings for lifting. Do not allow steel wire ropes or metal forklift tines to come into direct contact with the stone; place rubber padding on contact surfaces.

7. Cleaning shall be performed with special granite cleaner, 95% isopropyl alcohol and dust-free non-woven cloth only.

8. Install and use the granite surface plate in accordance with the recommended support positions on its bottom.