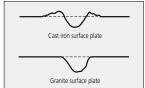
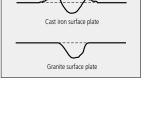
Reference Gages

Black Granite Surface Plates SERIES 517

- The plates are made of natural granite that is uniform in structure and largely averse to deterioration. (Natural stones may have unique patterns on their surface.)
- Granite surface plate has many advantages over cast iron surface plates: Twice as hard as cast iron.
- Free from wringing effects, so there is no interruption of work.
- Free from burrs or protrusions because of the fine grain structure and insignificant stickiness; this ensures a high degree of flatness over a long service life and causes no damage to other parts or instruments.

- Use these plates in a stable temperature environment.
 - Since flatness error occurs when there is a temperature difference between the working surface and the underside, avoid working in direct sunlight. Also, do not place a plate in the vicinity of an air conditioner or heater. (Recommended environment: Temperature 20±1 °C, Humidity 58±2%)









Machining of optional through holes, screw bushings, etc.

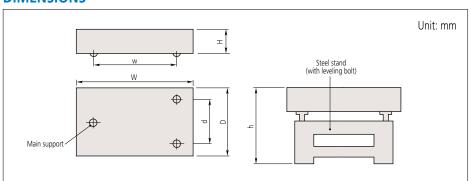
Through holes and screw holes (bushings) can be machined to order on surface plates. For detailed information, contact the nearest Mitutoyo sales office.



SPECIFICATIONS

| SPECIFICATIONS | | | | | | | | | | |
|------------------------|-------|---------------------|------|------|----------|-----------------------|--|--------------------|-------------------------------------|--------------------------|
| Code No. | Grade | Size (mm) | | | Flatness | Mass | Optional stands for black granite surface plates | | | h |
| | | W×D×H | d | W | (µm) | (kg) | Standard type | with safety frame | with casters (with safety frame) | (mm) |
| 517-401-4 | 00 | 300×300×100 | 240 | 240 | 2 | | | _ | _ | _ |
| 517-301 | 0 | | | | 3 | 27 — | _ | | | |
| 517-101 | 1 | | | | 5 | | | | | |
| 517-411-4 | 00 | 450×300×100 | 240 | 390 | 2 | | | | | |
| 517-311 | 0 | | | | 3 | 40 — | _ | _ | _ | |
| 517-111 | 1 | | | | 6 | | | | | |
| 517-414-4 | 00 | 600×450×100 | 370 | 500 | 2.5 | | | | | |
| 517-314 | 0 | | | | 4 | 80 517-203-2 | 517-203R 517-203CR | 755 to 775 | | |
| 517-114 | 1 | | | | 8 | | | | | |
| 517-403-4 | 00 | 600×600×130 | 500 | 500 | 2.5 | 140 517-204- | | | | |
| 517-303 | 0 | | | | 5 | | 517-204-2 | 517-204R | 517-204CR | 755 to 775 |
| 517-103 | 1 | | | | 8 | | | | | |
| 517-405-4 | 00 | | 420 | 630 | 3 | | 517-205-2 | | | |
| 517-305 | 0 | 750×500×130 | | | 5 | 146 | | 517-205R 517-205CF | 517-205CR | 755 to 775 |
| 517-105 | 1 | | | | 9 | | | | | |
| 517-407-4 | 00 | 1000×750×150 | 630 | 700 | 3 | | 517-206-2 | | | |
| 517-307 | 0 | | | | 6 | 337 | | 517-206R 517-206CR | 755 to 775 | |
| 517-107 | 1 | | | | 12 | | | | | |
| 517-409-4 | 00 | 1000×1000×150 | 700 | 700 | 3.5 | | | | | |
| 517-309 | 0 | | | | 7 | 450 517-207-2 | 517-207R | 517-207CR | 735 to 775 | |
| 517-109 | 1 | | | | 13 | | | | | |
| 517-413-4 | 00 | 1500×1000×200 | 700 | 1100 | 4 | | 900 517-208-4 | | | |
| 517-313-4 | 0 | | | | 8 | 900 | | 517-208R | 517-208CR | 735 to 775 |
| 517-113-4 | 1 | | | | 16 | | | | | |
| 517-410-4 | 00 | 2000×1000×250 | 700 | 1500 | 4.5 | 1500 517-209-4 | F47 200D | F47 200CD | 725 1 775 | |
| 517-310-4 | 0 | | | | 9.5 | | 517-209-4 | 517-209R 517-209CR | 735 to 775 | |
| 517-110-4 | 1 | | | | 19 | | | | | |
| 517-416-4 | 00 | 2000×1500×300 | 1100 | 1500 | 5 10 | 2700 | E17 210 4 | E17 2100 | 517-210CR | 72E to 77E |
| 517-316-4 517-116-4 | 1 | | | | 20 | | 517-210-4 | 517-210R | 317-21UCK | 735 to 775 |
| *1 | 00 | | | | 5.5 | | | | | |
| *1 | 00 | 2000×2000×350 | 1500 | 1500 | 11 | 4200 — | | | 700 to 706*2 | |
| *1 | 1 | | | | 22 | | | | /00 10 /00*2 | |
| *1 | 00 | 3000×1500×400 | 1100 | 2000 | 6.5 | | | | | |
| *1 | 00 | | | | 12.5 | 5400 — | _ | | 700 to 706*2 | |
| *1 | 1 | | | | 25 | 3400 | J400 — | | | 70010700 |
| *1 | 00 | | | | 7 | | | | | |
| *1 | 0 |] 3000×2000×500 | 1500 | 2000 | 13.5 | 9000 | _ | | | 700 to 706* ² |
| *1 | 1 | J000×2000×300 | 1500 | 2000 | 27 | 3000 | | _ | _ | 700 10 700 |
| | | | | | 21 | | | | | |

DIMENSIONS



SPECIFICATIONS: Main and auxiliary supports for large surface plates

| Code No. | Applicable surface plates | | | | |
|----------|---------------------------|--|--|--|--|
| Code No. | Size (W×D×H) (mm) | | | | |
| 06AAY174 | 2000×2000×350 | | | | |
| 06AAY175 | 3000×1500×400 | | | | |
| 06AAY176 | 3000×2000×500 | | | | |



^{*1 2000×2000} or larger is available by special order. Consult your local Mitutoyo sales office. *2 Distance from the bottom of the large granite plate block mount to the granite plate top surface.