

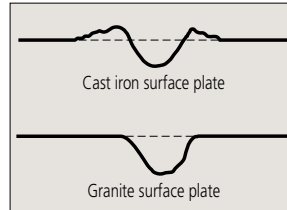
# Black Granite Surface Plate

## SERIES 517

### FEATURES

- Natural granite seasoned for thousands of years is free from deterioration or dimensional change over time.
- Granite surface plate has many advantages over cast iron surface plates:  
Twice as hard as cast iron.  
Minimal changes in dimension due to temperature changes.
- Free from wringing, 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.



- Trouble-free operation for use with magnetic materials.
- Long life and rust-free, resulting in low maintenance costs.
- Steel stands are optional.



(Refer to the page 9 for details.)

1000 x 750mm



600 x 600mm



### DIMENSION

Unit: mm

W	D	H	w	d	Mass
300	300	100	240	240	27kg
450	300	100	390	240	40kg
600	450	100	500	370	80kg
600	600	130	500	500	140kg
750	500	130	630	420	146kg
1000	750	150	700	630	337kg
1000	1000	150	700	700	450kg
1500	1000	200	1100	700	900kg
2000	1000	250	1500	700	1500kg
2000	1500	300	1500	1100	2700kg
2000	2000	300	2000	1500	4200kg
3000	1500	400	1500	1100	5400kg
3000	2000	500	2000	1500	9000kg

**\*Suffix Number for Calibration Certificate**

Suffix No.	Calibration certificate
-4	Not provided
K	Provided



**Order to Made Granite Products**

Mitutoyo can produce order to made granite products with your design.

**SPECIFICATIONS**

Grade 00		
Dimensions (W x D x H)	Order No.*	Flatness
300 x 300 x 100mm	517-401	0.002mm
450 x 300 x 100mm	517-411	0.002mm
600 x 450 x 100mm	517-414	0.0025mm
600 x 600 x 130mm	517-403	0.0025mm
750 x 500 x 130mm	517-405	0.003mm
1000 x 750 x 150mm	517-407	0.003mm
1000 x 1000 x 150mm	517-409	0.0035mm
1500 x 1000 x 200mm	517-413	0.004mm
2000 x 1000 x 250mm	517-410	0.0045mm
2000 x 1500 x 300mm	517-416	0.005mm
2000 x 2000 x 300mm	517-417	0.0055mm
3000 x 1500 x 400mm	517-418	0.0065mm
3000 x 2000 x 500mm	517-419	0.007mm

Grade 1		
Dimensions (W x D x H)	Order No.*	Flatness
300 x 300 x 100mm	517-101	0.005mm
450 x 300 x 100mm	517-111	0.006mm
600 x 450 x 100mm	517-114	0.008mm
600 x 600 x 130mm	517-103	0.008mm
750 x 500 x 130mm	517-105	0.009mm
1000 x 750 x 150mm	517-107	0.012mm
1000 x 1000 x 150mm	517-109	0.013mm
1500 x 1000 x 200mm	517-113	0.016mm
2000 x 1000 x 250mm	517-110	0.019mm
2000 x 1500 x 300mm	517-116	0.020mm
2000 x 2000 x 300mm	517-117	0.022mm
3000 x 1500 x 400mm	517-118	0.025mm
3000 x 2000 x 500mm	517-119	0.027mm

Grade 0		
Dimensions (W x D x H)	Order No.*	Flatness
300 x 300 x 100mm	517-301	0.003mm
450 x 300 x 100mm	517-311	0.003mm
600 x 450 x 100mm	517-314	0.004mm
600 x 600 x 130mm	517-303	0.005mm
750 x 500 x 130mm	517-305	0.005mm
1000 x 750 x 150mm	517-307	0.006mm
1000 x 1000 x 150mm	517-309	0.007mm
1500 x 1000 x 200mm	517-313	0.008mm
2000 x 1000 x 250mm	517-310	0.010mm
2000 x 1500 x 300mm	517-316	0.010mm
2000 x 2000 x 300mm	517-317	0.011mm
3000 x 1500 x 400mm	517-318	0.013mm
3000 x 2000 x 500mm	517-319	0.014mm



Stand

**SPECIFICATIONS: Stand**

Applicable surface plate size (W x D x H)	Order No.*	Adjustable height (h) range	Remarks
300 x 300 x 100mm	—	—	—
450 x 300 x 100mm	—	—	—
600 x 450 x 100mm	517-203-4 / 203R / 203CR	755 - 780mm	With levelling bolt
600 x 600 x 130mm	517-204-4 / 204R / 204CR	785 - 810mm	With levelling bolt
750 x 500 x 130mm	517-205-4 / 205R / 205CR	785 - 810mm	With levelling bolt
1000 x 750 x 150mm	517-206-4 / 206R / 206CR	755 - 780mm	With levelling bolt
1000 x 1000 x 150mm	517-207-4 / 207R / 207CR	735 - 775mm	With levelling bolt
1500 x 1000 x 200mm	517-208-4 / 208R / 208CR	735 - 775mm	With levelling bolt
2000 x 1000 x 250mm	517-209-4 / 209R / 209CR	735 - 775mm	With levelling bolt
2000 x 1500 x 300mm	517-210-4 / 210R / 210CR	735 - 775mm	With levelling bolt
2000 x 2000 x 300mm	O6AAY174	700 - 706mm	—
3000 x 1500 x 400mm	O6AAY175	700 - 706mm	—
3000 x 2000 x 500mm	O6AAY176	700 - 706mm	—

\*Suffix "-4": Normal type, Suffix "R": with safty frame, Suffix "CR": with casters