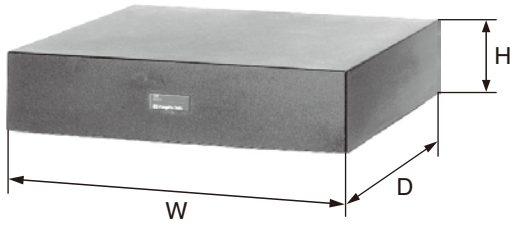
GRANITE SURFACE PLATE

INSTRUCTION MANUAL

Model No. G**** <combined>

Thank you for purchasing the GRANITE SURFACE PLATE.
Please read this manual thoroughly for information on proper use.



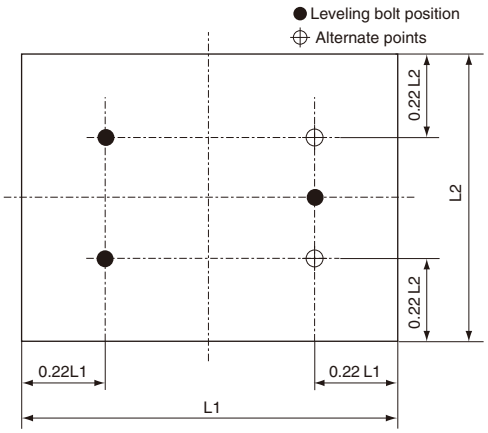
■Mounting stand (Fixed stand / Caster stand) available separately.

Fixed Stand

Caster Stand

【Surface Plate Support Positioning】

When using leveling bolts to support the plate, we recommend the configuration shown below to reduce Surface Plate deflection caused by the weight of the plate.



※ L1 is surface width, L2 is Depth. Drawing indicates proper position for support bolts or jacks. When supported at the three positions indicated in the figure with [●], the deformation due to weight of the surface plate is minimized.

SPECIFICATIONS

Model No.	Surface size W×D×H (mm)	Flatness (μm)	Weight (kg)
G1520	150 × 200 × 50	3	5
G2020	200 × 200 × 50		7
G2525	250 × 250 × 70		14
G3030	300 × 300 × 100		29
G3045	300 × 450 × 100		43
G5050	500 × 500 × 100	4	79
G4560	450 × 600 × 100		85
G5075	500 × 750 × 130	5	152
G6060	600 × 600 × 130		146
G75100	750 × 1000 × 150	7	350
G10100	1000 × 1000 × 150	8	466
G10150	1000 × 1500 × 200	9	930
G10200	1000 × 2000 × 200	12	1240

FEATURES

- Granite precision surface plate has high hardness, excellent abrasion resistance and long life.
- Non magnetic material allows measurements without influence of magnetic forces.

APPLICATIONS

- Measurement surface for flatness, parallelism, and straightness measurements.
- Workpiece centering, scribing, and assembly of parts.

MATERIAL

- Granite

■INSTALLATION NOTES

- Surface Plate should be level for best accuracy and for efficient use.
- For a stable work surface, make sure the supports are secure and tight.
- Use bubble level or electronic level, or similar to level the Surface.
- Instal in area free from vibration to reduce measurement error when using Surface Plate.
- Instal in area away from machining chips or dust, etc. Debris and contamination will cause measurement errors and damage the Surface.
- Use in location with minimal temperature swings. Surface will deform with changing temperature and measurement accuracy will be affected.
- Product is heavy. Please use care when moving and installing the Surface Plate.

⚠ CAUTIONS AND MAINTENANCE NOTES

- Use care when placing items on the Surface Plate. Also, do not place sharp objects on plate.
- Wipe off any dirt or dust from Surface Plate and instrument base before use. Contamination may scratch Surface and will increase Surface wear.
- Distribute use over full Surface area. Repeated use in one spot may cause localized wear of Surface Plate.
- Remove any water or oil deposited on Surface Plate using a clean cloth. long exposure may cause deterioration in accuracy.
- Use only as directed. Improper use may cause accident or injury.

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