

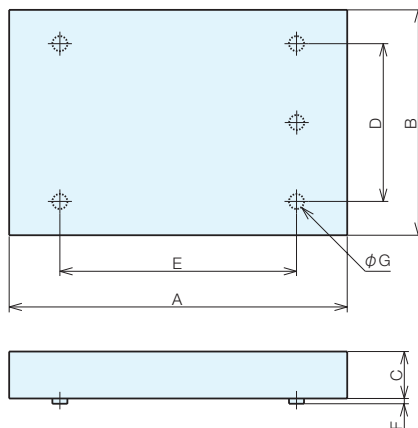


## Granite Surface Plates

**Material** Granite stone **Structure** Cut from virgin material

**Used Surface** Lapped finish

- Precision and rigidity conform to JIS standards (JIS B7513).
- Offers excellent wear resistance making it hard to scratch.
- Offers excellent corrosion resistance, and does not corrode readily.
- The bottom surface of the surface plate is fitted with a seat for a leveling jack.



Jig Set-up Systems  
(Q-lock)

Base Elements

Clamp Units

Clamping Parts

Mechanical Parts

Machine Vises

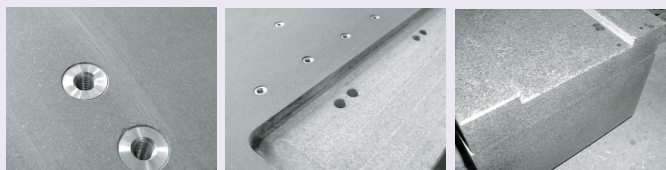
Surface Plates and  
Measurement Instruments

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■ Special machining is also available.  
Please consult us for details.

Machining examples: Tapped holes, steps, etc.

Applications: Base for liquid crystal and  
semiconductor-related fabrication units,  
base for high accuracy measuring units,  
base for high accuracy machining  
equipment, etc.



## Size Chart

No.	A × B × C	D	E	F	G	Weight (kg)	Maximum Allowable Load (kN)
GP02020	200 × 200 × 75	-	-	-	-	9.0	0.8
GP02525	250 × 250 × 75	-	-	-	-	14.0	0.8
GP03030	300 × 300 × 75	-	-	-	-	18.2	0.8
GP03045	450 × 300 × 75	-	-	-	-	27.3	0.8
GP04560	600 × 450 × 100	315	420	10	30	73.0	2
GP05050	500 × 500 × 100	-	-	-	-	68.0	2
GP05075	750 × 500 × 125	350	525	10	30	126.0	2.5
GP06060	600 × 600 × 125	420	420	10	30	122.0	2.5
GP06090	900 × 600 × 125	420	630	10	30	182.0	2.5
GP07510	1000 × 750 × 150	525	700	10	30	304.0	4.5
GP09018	1800 × 900 × 200	630	1260	10	50	875.0	5.6
GP10010	1000 × 1000 × 150	700	700	10	30	405.0	6.3
GP10015	1500 × 1000 × 200	700	1050	10	50	810.0	8
GP10020	2000 × 1000 × 250	700	1400	10	50	1350.0	9
GP15030	3000 × 1500 × 400*	1050	2100	10	110	4860.0	20
GP20030	3000 × 2000 × 500	1400	2100	10	110	8090.0	50

\* The C dimension of the GP15030 is 500 for the JIS grade 00 only (weight: 6,070 kg).

## Granite surface plate (single piece)

JIS 1 Grade			JIS 0 Grade			JIS 00 Grade		
Order No.	No.	Flatness μm	Order No.	No.	Flatness μm	Order No.	No.	Flatness μm
969398	GP02020-1	7	969400	GP02020-0	3.5	969402	GP02020-00	μm
969399	GP02525-1	7	969401	GP02525-0	3.5	969403	GP02525-00	2
940573	GP03030-1	8	940587	GP03030-0	4	940601	GP03030-00	2
940574	GP03045-1	9	940588	GP03045-0	4.5	940602	GP03045-00	2
940575	GP04560-1	10	940589	GP04560-0	5	940603	GP04560-00	2.5
940576	GP05050-1	10	940590	GP05050-0	5	940604	GP05050-00	2.5
940577	GP05075-1	11	940591	GP05075-0	5.5	940605	GP05075-00	3
940578	GP06060-1	10	940592	GP06060-0	5	940606	GP06060-00	2.5
940579	GP06090-1	12	940593	GP06090-0	6	940607	GP06090-00	3
940580	GP07510-1	13	940594	GP07510-0	6.5	940608	GP07510-00	3
940581	GP09018-1	18	940595	GP09018-0	9	940609	GP09018-00	4.5
940582	GP10010-1	14	940596	GP10010-0	7	940610	GP10010-00	3.5
940583	GP10015-1	16	940597	GP10015-0	8	940611	GP10015-00	4
940584	GP10020-1	19	940598	GP10020-0	9.5	940612	GP10020-00	4.5
940585	GP15030-1	25	940599	GP15030-0	13	940613	GP15030-00	6.5
940586	GP20030-1	27	940600	GP20030-0	13.5	940614	GP20030-00	7

## About the Maximum Allowable Load

The maximum allowable load is the value calculated and set based on a "loading calculation" under the following conditions. This should be used as a rough guide when selecting the surface plate.

- Load conditions: Load concentrated in the center
- Support conditions: Freely supported at both ends

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