



CARMAR ACCURACY CO., LTD.

High-Precision Granite

Three Major Guarantees

- *Precision Guarantee: Made in Taiwan with guaranteed accuracy.
- *Stable Precision and Excellent Wear Resistance.
- * Made from Indian Black Granite Material with guaranteed quality.



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This series of products includes: granite platforms, angle gauges, straight edge gauges, square gauges, and granite cube gauges. Customized granite precision platforms.

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GRANITE SPECIFICATIONS

1. INDIAN BLACK GRANITE
2. VOLUME DENSITY: 3.1 G/CM³
3. WATER ABSORPTION: ≤ 0.15%
4. DRY COMPRESSIVE STRENGTH: ≥ 288 MPA
5. DRY FLEXURAL STRENGTH: ≥ 30 MPA
6. WATER-SATURATED FLEXURAL STRENGTH: ≥ 30 MPA



Granite Platform

Features:

- (1) Made of natural granite material, ensuring stability of performance and dimensions.
- (2) Excellent processing capabilities: sawing, cutting, polishing, drilling, carving, etc. Its processing accuracy can reach below 0.5µm, with a glossiness of over 100 degrees.
- (3) Excellent wear resistance, 5-10 times higher than cast iron.
- (4) Small thermal expansion coefficient, not easily deformed, similar to Invar steel, minimal temperature influence.
- (5) High elastic modulus, higher than cast iron.
- (6) Manufacturing accuracy standard: conforms to German DIN876.



Specifications

(L*W*T) mm	(KG)	000 grade		00 grade	
		Accuracy (um)	Model No.	Accuracy (um)	Model No.
300*300*50	14	1.3	TSA 300*300-000	2.6	TSA 300*300-00
300*450*60	24	1.45	TSA 300*450-000	2.9	TSA 300*450-00
450*450*60	43	1.45	TSA 450*450-000	2.9	TSA 450*450-00
450*600*80	65	1.6	TSA 450*600-000	3.2	TSA 450*600-00
500*750*100	113	1.75	TSA 500*750-000	3.5	TSA 500*750-00
600*600*100	108	1.6	TSA 600*600-000	3.2	TSA 600*600-00
750*750*120	203	1.75	TSA 750*750-000	3.5	TSA 750*750-00
600*900*120	195	1.9	TSA 600*900-000	3.8	TSA 600*900-00
900*900*150	365	1.9	TSA 900*900-000	3.8	TSA 900*900-00
900*1200*160	518	2.2	TSA 900*1200-000	4.4	TSA 900*1200-00
1000*1000*160	480	2	TSA 1000*1000-000	4	TSA 1000*1000-00
1000*1500*200	900	2.5	TSA 1000*1500-000	5	TSA 1000*1500-00
1000*2000*260	1560	3	TSA 1000*2000-000	6	TSA 1000*2000-00
1200*1500*220	1080	2.5	TSA 1200*1500-000	5	TSA 1200*1500-00
1200*2000*280	1872	3	TSA 1200*2000-000	6	TSA 1200*2000-00
1500*3000*400	5400	4	TSA 1500*3000-000	8	TSA 1500*3000-00

Made from high-quality granite, the precision of the granite plates is referenced according to the standards of advanced countries, with flatness tolerance following DIN 876 standards. Granite Plate Standards: Metric Precision Calculation Formula:

- Grade 000 Calculation Formula = 1 + (L/1000) µm, Surface Roughness Ra 0.4 µm

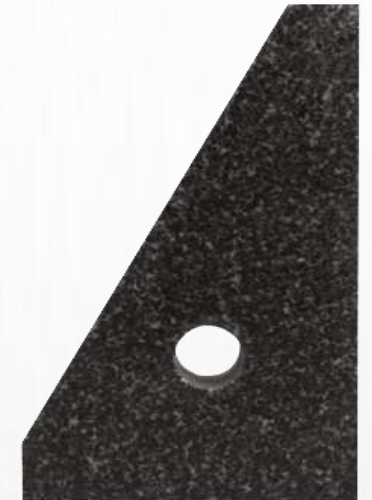
- Grade 00 Calculation Formula = 2 + (L/500) µm, Surface Roughness Ra 0.8 µm

(*Note: "L" represents the length of the longer side of the plate.*)

Granite Square Ruler

Features:

- (1) Made of high-quality granite slab, precision reference to German national standards: Verticality on both sides conforms to DIN875 standard, providing precision inspection standards for the industrial sector. Flatness tolerance conforms to DIN876 granite slab standard, providing precision inspection standards for the industrial sector.
- (2) Essential fixture for precision inspection and laboratory use. Used for measuring parts, workpiece spindle, and various angles.



Specifications

(L*W*T) mm	(KG)	00 grade	
		Accuracy (um)	Model No.
150*100*20		1.5	TSC 150*100-00
200*130*30		2	TSC 200*130-00
250*160*30		2.5	TSC 250*160-00
250*160*50		2.5	TSC 250*160-00
300*200*30		2	TSC 300*200-00-30
300*200*50		2	TSC 300*200-00
400*250*40		3	TSC 400*250-00-40
400*250*50		3	TSC 400*250-00
500*300*60		4	TSC 500*300-00
600*400*70		5	TSC 600*400-00
800*500*80		6	TSC 800*500-00
1000*600*100		7	TSC 1000*600-00
1200*800*140		8	TSC 1200*800-00
1500*1000*100		10	TSC 1500*1000-00

Made from high-quality granite, the precision of the granite plates is referenced according to the German national standards:

- The perpendicularity of both side surfaces follows the DIN 875 standard.

- The flatness precision follows the DIN 876 standard.

Granite Straightedge
Precision on Both Sides Performance

Features:

- (1) Straightedge: Used for straightness and flatness measurement, manually ground with high precision.
- (2) Parallelism of both sides: Equals single side precision * 2.



Specifications

(L*W*T) mm	(KG)	00 grade	
		Accuracy (um)	Model No.
400*50*40		2	TSB 400*50-00
500*70*60		2	TSB 500*70-00
600*80*60		2	TSB 600*80-00
800*100*60		2.5	TSB 800*100-00
1000*125*60		3	TSB 1000*125-00
1200*150*60		4.5	TSB 1200*150-00
1500*190*70		5	TSB 1500*190-00
2000*250*80		6	TSB 2000*250-00
2500*310*100		7	TSB 2500*310-00
3000*375*120		8	TSB 3000*375-00
4000*500*160		10	TSB 4000*500-00

Calculation Formula: - Parallel Precision: Flatness Precision * 2
 Made from high-quality granite, the precision of the granite plates is referenced according to German national standards: - Perpendicularity of the side surfaces follows the DIN 875 standard - Flatness precision follows the DIN 876 standard Essential for precision inspection and laboratory fixtures. Made from granite with low moisture content, non-weathered rock, and excellent material quality. Customizable according to customer requirements.

Granite Straightedge
Precision on Four Sides Performance

Features:

- (1) Straightedge: Used for straightness and flatness measurement, manually ground with high precision.
- (2) Parallelism of two sides: Equals single side precision * 2.



Specifications

(L*W*T) mm	(KG)	00 grade	
		Accuracy (um)	Model No.
400*50*40		2	TSB 400*50-00
500*70*60		2	TSB 500*70-00
600*80*60		2	TSB 600*80-00
800*100*60		2.5	TSB 800*100-00
1000*125*60		3	TSB 1000*125-00
1200*150*60		4.5	TSB 1200*150-00
1500*190*70		5	TSB 1500*190-00
2000*250*80		6	TSB 2000*250-00
2500*310*100		7	TSB 2500*310-00
3000*375*120		8	TSB 3000*375-00
4000*500*160		10	TSB 4000*500-00

Calculation Formula:

- Parallel Precision: Flatness Precision * 2

Made from high-quality granite, the precision of the granite plates is referenced according to German national standards:

- The perpendicularity of the side surfaces follows the DIN 875 standard

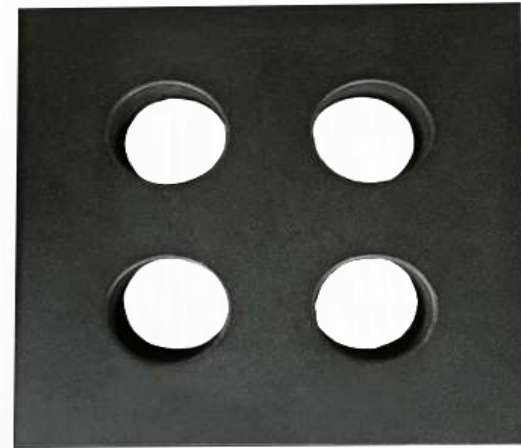
- Flatness precision follows the DIN 876 standard

Essential for precision inspection and laboratory fixtures. Made from granite with low moisture content, non-weathered rock, and excellent material quality. Customizable according to customer requirements.

Granite Square Ruler

Features:

- (1) Made of high-quality granite slab, precision reference to German national standards: Precision tolerance on all four sides conforms to DIN875 standard, providing precision inspection standards for the industrial sector. Flatness tolerance conforms to DIN876 granite slab standard, providing precision inspection standards for the industrial sector.
- (2) Essential fixture for precision inspection and laboratory use. Used for checking perpendicularity, parallelism, and can serve as a 90-degree absolute measurement reference.



Specifications

(L*W*T) mm	(KG)	00 grade	
		Accuracy (um)	Model No.
150*150*20		1.5	TSD 150*150-00
200*200*30		2	TSD 200*200-00
250*250*30		2	TSD 250*250-00
300*300*30		2.5	TSD 300*300-00-30
300*300*50		2.5	TSD 300*300-00
400*400*40		3	TSD 400*400-00-40
400*400*60		3	TSD 400*400-00
500*500*70		4	TSD 500*500-00
600*600*80		5	TSD 600*600-00
800*800*100		6	TSD 800*800-00
1000*1000*140		7.5	TSD 1000*1000-00

Made from high-quality granite, the precision of the granite material is referenced according to German national standards:

- Perpendicularity tolerance follows the DIN 875 standard
- Flatness tolerance follows the DIN 876 standard

Granite Cube Ruler

Features

- (1) Made of high-quality granite slab, precision reference to German national standards: Precision tolerance on all six sides conforms to DIN875 standard, providing precision inspection standards for the industrial sector. Flatness tolerance conforms to DIN876 granite slab standard, providing precision inspection standards for the industrial sector.
- (2) Essential fixture for precision inspection and laboratory use. Used for checking perpendicularity, parallelism, and can serve as a 90-degree absolute measurement reference.



Specifications

(L*W*T) mm	(KG)	00 grade	
		Accuracy (um)	Model No.
100*100*100		1.5	TSE 150*150-00
150*150*150		1.5	TSE 200*200-00
200*200*200		2	TSE 250*250-00
250*250*250		2	TSE 300*300-00
300*300*300		2	TSE 300*300-00
400*400*400		3	TSE 400*400-00
500*500*500		4	TSE 500*500-00
600*600*600		5	TSE 600*600-00

Made from high-quality granite, the precision of the granite material is referenced according to German national standards:

- Perpendicularity tolerance follows the DIN 875 standard
- Flatness tolerance follows the DIN 876 standard

Granite Platform Stand:

Features:

- (1) High-strength angle iron
- (2) Swivel base
- (3) Excellent seismic resistance



Specifications

Granite Platform Stand:(mm)		
The height of the stand: (mm)	(L*W*T) mm	(KG)
700	450*450*70	
	450*600*80	
	500*750*100	
	600*600*100	
	750*750*120	
	600*900*120	
600	900*900*150	
	900*1200*160	
	1000*1000*160	
	1000*1500*200	
Independent footrests (5 pieces)		
500	1000*2000*260	
	1200*1500*200	
	1200*2000*260	
	1500*3000*400	

Customized Products:

- 1. Granite Raw Material Bed Plates
- 2. Customized Granite Straight Edges
- 3. Granite Precision Platforms for Machinery
- 4. Granite Platforms
- 5. Customized Products Based on Customer Drawings

Samples

