



CARMAR ACCURACY CO., LTD.

## High-precision granite



Made in Taiwan



CARMAR ACCURACY CO., LTD.  
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This series of products includes: granite platform, square ruler, straightedge, square ruler, granite cube ruler Granite precision platform customization

**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      |                  | 0 grade       |                 |
|---------------|------|---------------|-------------------|---------------|------------------|---------------|-----------------|
|               |      | Accuracy (um) | Model No.         | Accuracy (um) | Model No.        | Accuracy (um) | Model No.       |
| 300*300*50    |      | 1.3           | TSA 300*300-000   | 2.6           | TSA 300*300-00   | 5.2           | TSA 300*300-0   |
| 300*450*60    |      | 1.45          | TSA 300*450-000   | 2.9           | TSA 300*450-00   | 5.8           | TSA 300*450-0   |
| 450*450*60    |      | 1.45          | TSA 450*450-000   | 2.9           | TSA 450*450-00   | 5.8           | TSA 450*450-0   |
| 450*600*80    |      | 1.6           | TSA 450*600-000   | 3.2           | TSA 450*600-00   | 6.4           | TSA 450*600-0   |
| 500*750*100   |      | 1.75          | TSA 500*750-000   | 3.5           | TSA 500*750-00   | 7             | TSA 500*750-0   |
| 600*600*100   |      | 1.6           | TSA 600*600-000   | 3.2           | TSA 600*600-00   | 6.4           | TSA 600*600-0   |
| 750*750*120   |      | 1.75          | TSA 750*750-000   | 3.5           | TSA 750*750-00   | 7             | TSA 750*750-0   |
| 600*900*120   |      | 1.9           | TSA 600*900-000   | 3.8           | TSA 600*900-00   | 7.6           | TSA 600*900-0   |
| 900*900*150   |      | 1.9           | TSA 900*900-000   | 3.8           | TSA 900*900-00   | 7.6           | TSA 900*900-0   |
| 900*1200*160  |      | 2.2           | TSA 900*1200-000  | 4.4           | TSA 900*1200-00  | 8.8           | TSA 900*1200-0  |
| 1000*1000*160 |      | 2             | TSA 1000*1000-000 | 4             | TSA 1000*1000-00 | 8             | TSA 1000*1000-0 |
| 1000*1500*200 |      | 2.5           | TSA 1000*1500-000 | 5             | TSA 1000*1500-00 | 10            | TSA 1000*1500-0 |
| 1000*2000*260 |      | 3             | TSA 1000*2000-000 | 6             | TSA 1000*2000-00 | 12            | TSA 1000*2000-0 |
| 1200*1500*220 |      | 2.5           | TSA 1200*1500-000 | 5             | TSA 1200*1500-00 | 10            | TSA 1200*1500-0 |
| 1200*2000*280 |      | 3             | TSA 1200*2000-000 | 6             | TSA 1200*2000-00 | 12            | TSA 1200*2000-0 |
| 1500*3000*400 |      | 4             | TSA 1500*3000-000 | 8             | TSA 1500*3000-00 | 16            | TSA 1500*3000-0 |

Using high-quality granite slabs, precision refers to various advanced country standards, with flatness tolerances according to DIN876 standard for rock slab standards:  
 Metric precision calculation formulas:  
 (where L is the length of the longest side)000 Grade formula = 1 + (L/1000) µm,  
 Surface roughness Ra 0.4 µm00 Grade formula = 2 + (L/500) µm,  
 Surface roughness Ra 0.8 µm0 Grade formula = 4 + (L/250) µm,  
 Surface roughness Ra 1.6 µm

**We reserve the right to alter the Specifications**

**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      |                   | 0 grade       |                  |
|--------------|------|---------------|-------------------|---------------|------------------|
|              |      | Accuracy (um) | Model No.         | Accuracy (um) | Model No.        |
| 150*100*20   |      | 1.5           | TSC 150*100-00    | 3             | TSC 150*100-0    |
| 200*130*30   |      | 2             | TSC 200*130-00    | 4             | TSC 200*130-0    |
| 250*160*30   |      | 2.5           | TSC 250*160-00    | 5             | TSC 250*160-0    |
| 250*160*50   |      | 2.5           | TSC 250*160-00    | 5             | TSC 250*160-0    |
| 300*200*30   |      | 2             | TSC 300*200-00-30 | 4             | TSC 300*200-0-30 |
| 300*200*50   |      | 2             | TSC 300*200-00    | 4             | TSC 300*200-0    |
| 400*250*40   |      | 3             | TSC 400*250-00    | 6             | TSC 400*250-0    |
| 400*250*50   |      | 3             | TSC 400*250-00    | 6             | TSC 400*250-0    |
| 500*300*60   |      | 4             | TSC 500*300-00    | 8             | TSC 500*300-0    |
| 600*400*70   |      | 5             | TSC 600*400-00    | 10            | TSC 600*400-0    |
| 800*500*80   |      | 6             | TSC 800*500-00    | 12            | TSC 800*500-0    |
| 1000*600*100 |      | 7             | TSC 1000*600-00   | 14            | TSC 1000*600-0   |
| 1200*800*140 |      | 8             | TSC 1200*800-00   | 16            | TSC 1200*800-0   |

Using high-quality granite slabs, precision is referenced to the German national standards:  
 - Right angle degrees on two sides according to DIN875 standard.  
 - Flatness precision according to DIN876 standard.

**We reserve the right to alter the Specifications**

**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      |                 | 0 grade       |                |
|--------------|------|---------------|-----------------|---------------|----------------|
|              |      | Accuracy (um) | Model No.       | Accuracy (um) | Model No.      |
| 400*50*40    |      | 2             | TSB 400*50-00   | 4             | TSB 400*50-0   |
| 500*70*60    |      | 2             | TSB 500*70-00   | 4             | TSB 500*70-0   |
| 600*80*60    |      | 2             | TSB 600*80-00   | 4             | TSB 600*80-0   |
| 800*100*60   |      | 2.5           | TSB 800*100-00  | 5             | TSB 800*100-0  |
| 1000*125*60  |      | 3             | TSB 1000*125-00 | 6             | TSB 1000*125-0 |
| 1200*150*60  |      | 4.5           | TSB 1200*150-00 | 8             | TSB 1200*150-0 |
| 1500*190*70  |      | 5             | TSB 1500*190-00 | 9             | TSB 1500*190-0 |
| 2000*250*80  |      | 6             | TSB 2000*250-00 | 11            | TSB 2000*250-0 |
| 2500*310*100 |      | 7             | TSB 2500*310-00 | 14            | TSB 2500*310-0 |
| 3000*375*120 |      | 8             | TSB 3000*375-00 | 17            | TSB 3000*375-0 |
| 4000*500*160 |      | 10            | TSB 4000*500-00 | 20            | TSB 4000*500-0 |

The calculation formula is as follows:  
 Parallel precision = Flatness precision \* 2  
 Using high-quality granite slabs with precision referenced to German national standards:  
 -Right angle degrees on two sides according to DIN875 standard.  
 -Flatness precision according to DIN876 standard.  
 These precision tools are essential for precision inspection and laboratory work. They are made from low moisture content, non-weathered rock, and high-quality granite stone, and can be customized according to customer requirements.

**We reserve the right to alter the Specifications**

**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      |                 | 0 grade       |                |
|--------------|------|---------------|-----------------|---------------|----------------|
|              |      | Accuracy (um) | Model No.       | Accuracy (um) | Model No.      |
| 400*50*40    |      | 2             | TSB 400*50-00   | 4             | TSB 400*50-0   |
| 500*70*60    |      | 2             | TSB 500*70-00   | 4             | TSB 500*70-0   |
| 600*80*60    |      | 2             | TSB 600*80-00   | 4             | TSB 600*80-0   |
| 800*100*60   |      | 2.5           | TSB 800*100-00  | 5             | TSB 800*100-0  |
| 1000*125*60  |      | 3             | TSB 1000*125-00 | 6             | TSB 1000*125-0 |
| 1200*150*60  |      | 4.5           | TSB 1200*150-00 | 8             | TSB 1200*150-0 |
| 1500*190*70  |      | 5             | TSB 1500*190-00 | 9             | TSB 1500*190-0 |
| 2000*250*80  |      | 6             | TSB 2000*250-00 | 11            | TSB 2000*250-0 |
| 2500*310*100 |      | 7             | TSB 2500*310-00 | 14            | TSB 2500*310-0 |
| 3000*375*120 |      | 8             | TSB 3000*375-00 | 17            | TSB 3000*375-0 |
| 4000*500*160 |      | 10            | TSB 4000*500-00 | 20            | TSB 4000*500-0 |

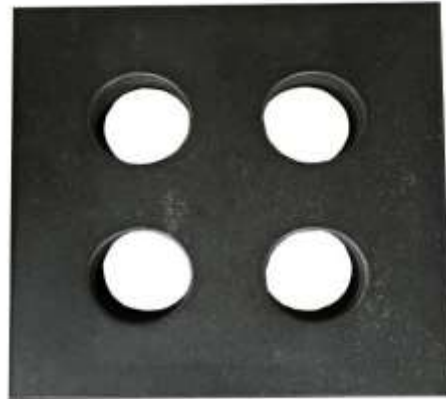
The calculation formula is as follows:  
 Parallel precision = Flatness precision \* 2  
 We use high-quality granite slabs with precision referenced to the German national standards:-  
 -Right angle degrees on two sides according to DIN875 standard.  
 -Flatness precision according to DIN876 standard.  
 -These precision tools are essential for precision inspection and laboratory work. They are made from low-moisture content, non-weathered rock, and high-quality granite stone. They can be customized according to customer requirements.

**We reserve the right to alter the Specifications**

**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      |                   | 0 grade       |                  |
|---------------|------|---------------|-------------------|---------------|------------------|
|               |      | Accuracy (um) | Model No.         | Accuracy (um) | Model No.        |
| 150*150*20    |      | 1.5           | TSD 150*150-00    | 3             | TSD 150*150-0    |
| 200*200*30    |      | 2             | TSD 200*200-00    | 4             | TSD 200*200-0    |
| 250*250*30    |      | 2             | TSD 250*250-00    | 4             | TSD 250*250-0    |
| 300*300*30    |      | 2.5           | TSD 300*300-00-30 | 5             | TSD 300*300-0-30 |
| 300*300*50    |      | 2.5           | TSD 300*300-00    | 5             | TSD 300*300-0    |
| 400*400*40    |      | 3             | TSD 400*400-00-40 | 6             | TSD 400*400-0-40 |
| 400*400*60    |      | 3             | TSD 400*400-00    | 6             | TSD 400*400-0    |
| 500*500*70    |      | 4             | TSD 500*500-00    | 8             | TSD 500*500-0    |
| 600*600*80    |      | 5             | TSD 600*600-00    | 10            | TSD 600*600-0    |
| 800*800*100   |      | 6             | TSD 800*800-00    | 12            | TSD 800*800-0    |
| 1000*1000*140 |      | 7.5           | TSD 1000*1000-00  | 15            | TSD 1000*1000-0  |

Using high-quality granite material with precision referencing the German national standards:  
 -Verticality tolerance according to DIN875 standard.  
 -- Flatness tolerance according to DIN876 standard.

**We reserve the right to alter the Specifications**

**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      |                | 0 grade       |               |
|-------------|------|---------------|----------------|---------------|---------------|
|             |      | Accuracy (um) | Model No.      | Accuracy (um) | Model No.     |
| 100*100*100 |      | 1.5           | TSE 150*150-00 | 3             | TSE 150*150-0 |
| 150*150*150 |      | 1.5           | TSE 200*200-00 | 3             | TSE 200*200-0 |
| 200*200*200 |      | 2             | TSE 250*250-00 | 4             | TSE 250*250-0 |
| 250*250*250 |      | 2             | TSE 300*300-00 | 4             | TSE 300*300-0 |
| 300*300*300 |      | 2             | TSE 300*300-00 | 4             | TSE 300*300-0 |
| 400*400*400 |      | 3             | TSE 400*400-00 | 6             | TSE 400*400-0 |
| 500*500*500 |      | 4             | TSE 500*500-00 | 8             | TSE 500*500-0 |
| 600*600*600 |      | 5             | TSE 600*600-00 | 10            | TSE 600*600-0 |

Using high-quality granite material with precision referenced to German national standards:  
 -Verticality tolerance according to DIN875 standard.  
 -- Flatness tolerance according to DIN876 standard.

**We reserve the right to alter the Specifications**

**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:**

**Features:**

- 1. Granite raw stone bed frame
- 2. Customized granite raw stone ruler
- 3. Precision granite mechanism platform
- 4. Granite platform
- 5. Customized products based on customer drawings

**Samples**

