



Granite Surface Plate

Brand: Optronics

Category: Granite Surface Plate

Granite Surface Plate

Features

Granite surface plate are made of high quality Jinan Blackgranite. Due to their high precision, long duration, good stability and corrosion resistance, granite surface plate have been more and more used in product inspection of modern industry and such scientific areas as mechanical aero space and scientific researches.

Advantages (Granite surface plate)

- Twice as hard as cast iron.
- Minimal changes of dimension are due to changes of temperature.
- Free from wringing, so there is not interruption of work.
- Free from burrs or protrusions because of the fine grain structure and insignificant stickness, which ensures the 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.

Physical Properties

Dimension (Width x Length x Height):	Any Custom Make Size Are Available for Granite Surface Palce
Proportion:	2970-3070kg/m3
Compression strength:	245-254kg/mm2
Flexible grinding capacity:	1.27-1.47N/mm2
Coefficient of linear expansion:	4.6×10 ⁻⁶ °C
Grade	00 (with Manufacturer Inspection Report)
Water absorption:	0.13%
Shore hardness HS:	more than 70

Granite surface plate Standard Available Size as below:

- | | | |
|--|----------------------|-----------------------|
| • 300 X 300 X 80mm (Granite Surface Plate) | • 500 X 400 X 100mm | • 1000 X 1000 X 150mm |
| • 350 X 350 X 80mm (Granite Surface Plate) | • 600 X 450 X 100mm | • 1200 X 800 X 150mm |
| • 400 X 400 X 80mm (Square) | • 630 X 400 X 100mm | • 1200 X 900 X 150mm |
| • 450 X 450 X 80mm (Square) | • 800 X 500 X 100mm | • 1500 X 1000 X 150mm |
| • 500 X 500 X 100mm (Square) | • 800 X 600 X 100mm | • 1800 X 750 X 150mm |
| • 600 X 600 X 100mm (Square) | • 900 X 600 X 100mm | • 1900 X 650 X 100mm |
| | • 1000 X 750 X 150mm | • 2000 X 1000 X 200mm |
| | | • 2000 X 1500 X 300mm |