

### ■OSS精密石定盤 OS-102

(JIS定盤) JIS B 7513

### PRECISION GRANITE SURFACE PLATES OS-102

(JIS TYPE) JIS B7513



▲ 石定盤用アングル台 (別売り)  
Angled stand for granite surface plates  
(Sold separately)

- T溝加工 (金属埋込み)  
溝加工・穴加工等、特殊加工も製作致します。
- ★材 質……………御影石
- Special additional processing, such as incorporating a T-slot (Clue metal sheet)  
Grooving and drilling can be done at your request.
- ★Material……………Granite

#### ● 特 長

- 滑らかな表面  
細粒な組織の為、硬くて滑らかです。
- 剛性、耐摩耗性が高い  
鋳鉄製定盤に比べて、最低7.5倍以上の耐摩耗性に優れ、2倍以上の剛性を誇り、組織的条件も非常にすぐれています。
- 温度変化に影響を受けにくい

熱 伝 導 率	
はんれい岩	1.05 Kcal/m · h · °C
花こう岩	1.36 Kcal/m · h · °C
鋳鉄	45.0 Kcal/m · h · °C

以上のデータが示すように石製定盤は温度変化に極めて鈍感な為、安定した精度を保証出来る訳です。

- 経年変化の心配がない  
石そのものが何千年も前から自然にシーズニングされている為、ひずみ等を生じる心配が全くありません。
- 錆を生じない  
天然石の為、鋳鉄のような錆を生じる心配がなく、化学工場等の薬品物使用場所でも安心して使用出来ます。
- 平面度のくるいがない  
石製定盤は硬くて組織的に細粒の為、ねばりが少なく、カエリや盛り上りは、全く無く測定器具を損う心配もありません。

#### ● Features

- Smooth surface finishing  
Fine structure provides hard and smooth surface.
- Hard & high wear resistance  
Compared with cast iron surface plate, granite surface plate has more than 1.5 times wear resistance and more than 2 times in life time. Physical structure makes it very suitable for use as a surface plate.
- Lower coefficient of thermal expansion

Thermal expansion ratio	
Gabbro	1.05 Kcal/m · h · °C
Granite	1.36 Kcal/m · h · °C
Cast iron	45.0 Kcal/m · h · °C

As per the data shown above, stability in tolerance is to be assured by using granite stone due to lowest thermal expansion.

- No worry about secular distortion  
Made from high quality granite stone fully stress released under the ground for several thousands of years.  
No worry on secular distortion.
- Anti-corrosion  
Stone material never rust.  
So, it can be used in plant which has chemical affection.
- Perfectly stable in flatness  
Granite stone is very hard and fine structure, there is no worry about burrs because of sticky nature, and never give any damage for measuring tools to be used on the plate.