



Positioning of heavy loads with minimal force

“Magical slide (PAT.)”

Today we are very pleased to announce the release of ***Magical slide***, a positioning jig for heavy loads. This unique tool works on the principle of simple hydraulic pressure to move heavy loads with only minimal feed force.

So far, a positioning job of heavy load has been depending on workers with sophisticated intuition with long-term experience. The men would hammer the corners of heavy loads to be on the right position.

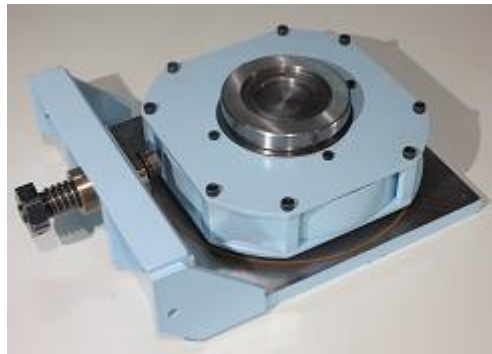
Magical slide changes that and reduces burden of such a strain job by making it to be a standardized procedure for higher productivity. It can micro-feed heavy loads on an oil film with minimal force bit by bit. Therefore, positioning of heavy loads may be completed even in a stand-alone site and requires only one person.

Feature:

- A maximum load of 220,462lbs (100ton) is able to be supported on the principle of an oil pressure of ***Magical slide***.
- The compactness of this jig makes (weighs only 13 kg) it suitable for a setup work in a confined space and only one person is required.
- No need to be connected to any external supplies and can be used even in a stand-alone job site.
- It is a sealed structure and is, therefore, maintenance-free.
- Positioning of heavy loads was believed not to be rationalized, but will change to be a standardized work.
- Moving radius is $\pm 12.5\text{mm}$ to Omni-directions. It can be moved on a hydraulic film with a small force.
- Contact us for other details, special specifications and dimensions.

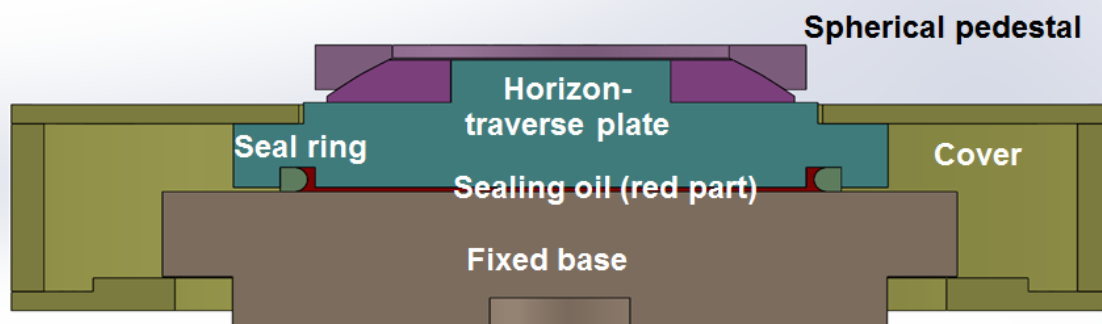
(Major specifications)

Model name & No. :	Magical slide MS-25T
Max. load per unit :	55,115lbs or 25 ton (250KN)
Max. load per 4 corners:	220,462lbs or 100 ton (1,000KN)
Moving radius:	± 12.5 mm (Range : 25 mm)
Moving directions:	360° Omni-direction (Zero returns w/o load)
Product weight:	13kg/ea.
Product size:	205 mm x 205 mm x 66.5 mm



Magical slide w/Side jack

Cross-section of *Magical slide*



Horizon-traverse plate slides on Fixed base through contact with Sealing oil.
Spherical pedestal is subjected to heavy loads securely.



By courtesy of
TOSHIBA MACHINE
CO., LTD

Magical slide is subjected to
40ton weight as demonstration.