

## FSA Series

Minimum Bolt Siz:  
**16-31.5 mm**

Flange Wall Thickness:  
**16-31.5 mm**

Capacity:  
**1-10 ton (10-90kN)**

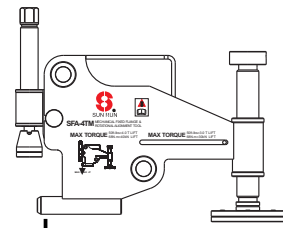
Maximum Operating Pressure:  
**700 bar**  
(Just for SFA-9TE)

## FSA 法蘭定心器

- 法蘭定心器適用於管路法蘭結或例行性維修的對位或重新校正。
- 附裝在法蘭錯位位置可提供簡便推拉動作使法蘭達到正確的對位。
- 定心器可在不需其他動力支援下安全、快速地矯正扭曲、旋轉錯位。
- 適用於大部份的 ANSI、API、BS及DIN規格法蘭。
- 不需吊索、吊勾或提升齒輪輔助。
- 可安裝或使用於任何方位(水平安裝或垂直安裝)
- 方便提攜、輕量的設計即使在外地也容易搬運使用。

### Hydraulic Fixed Flange Alignment Tool

- ※ The Flange Alignment tools can be used to align or re-align flange joints during pipework construction, commissioning or during routine maintenance.
- ※ The tool is attached to the flange joint where misalignment is at its greatest and then simply push and pull the flanges into correct alignment (except SFA-9TE).
- ※ The Flange Alignment tools rectify twist and rotational misalignment quickly, safely and without the need for an external power source.
- ※ Appropriate for use on most ANSI, API, BS and DIN flanges.
- ※ No slings, hooks or lifting gear required.
- ※ Can be installed and used in any position (horizontally or vertically).
- ※ Portable, lightweight design enables easy transport and use, even in remote locations.

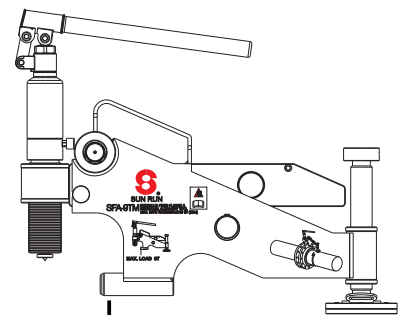


MAX. LOAD 4T

### FSA-4TM

適用於中型法蘭  
機械式固定/旋轉法蘭定心器

For use on medium diameter, medium pressure flanges.  
Mechanical Fixed Flange and Rotational Alignment Tool.

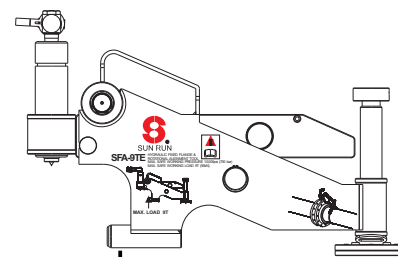


MAX. LOAD 9T

### FSA-9TM

適用於大型法蘭  
機械式固定/旋轉法蘭定心器

For use on larger diameter, higher pressure flanges.  
Mechanical Fixed Flange and Rotational Alignment Tool.

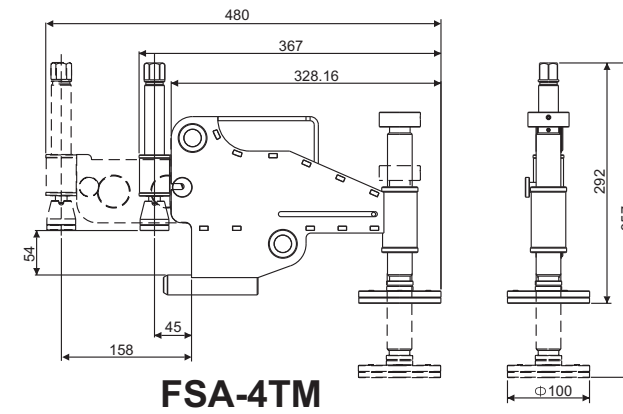


MAX. LOAD 9T

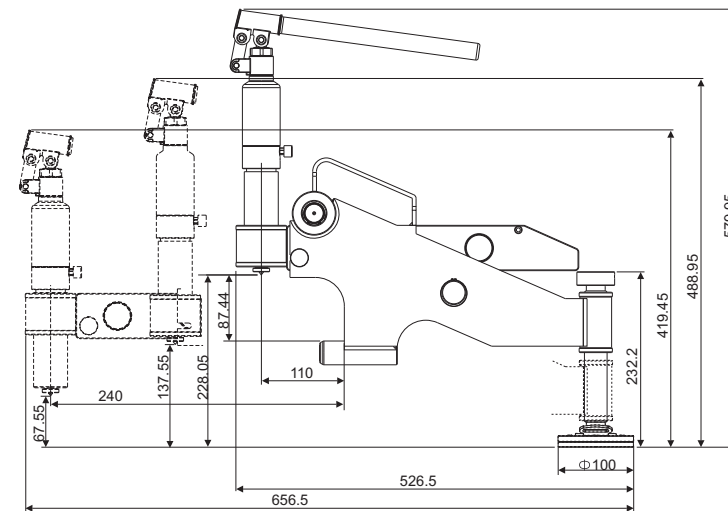
### FSA-9TE

適用於大型法蘭  
油壓式固定/旋轉法蘭定心器

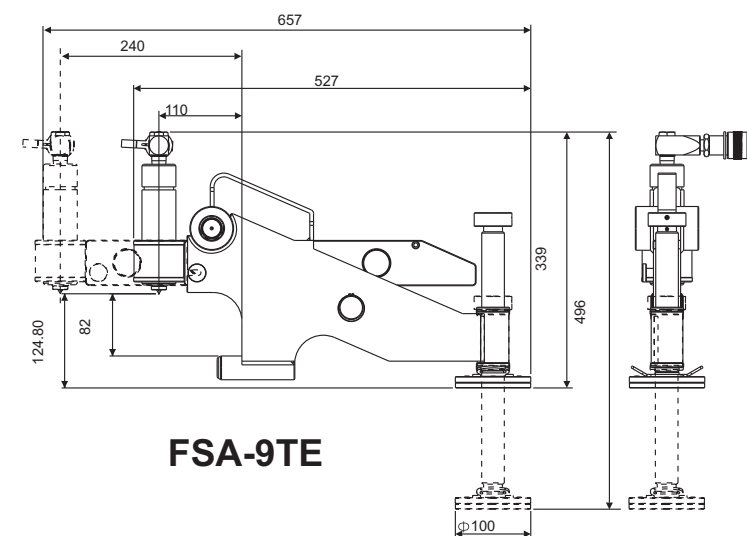
For use on larger diameter, higher pressure flanges.  
Hydraulic Fixed Flange and Rotational Alignment Tool.



FSA-4TM



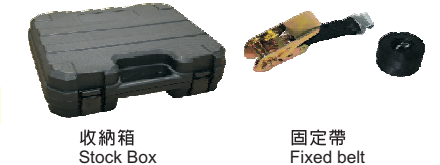
FSA-9TM



FSA-9TE

型號 Model Number	最大舉升力 Max. Lifting Force (kN/ ton)	最小螺栓尺寸 Min. Bolt Size (in/mm)	法蘭厚度(含法蘭墊片) Flange wall Thickness (including gap between flanges) (in/ mm)	重量 Wt. (kg)
FSA-4TM	40/ 4	0.95/ 24	1.18-5.23/ 30-133	8.6
FSA-9TM	90/ 10	1.24/ 31.5	3.66-9.00/ 93-228	16.5
FSA-9TE	90/ 10	1.24/ 31.5	3.66-9.00/ 93-228	16.5

標準配件  
Equipped fitting



收納箱  
Stock Box

固定帶  
Fixed belt