



FLANGE TOOL INNOVATION

## PRODUCT DATA SHEET

# SG13TE

## SECURE-GRIP HYDRAULIC FLANGE SPREADER

### SPREADING FORCE:

With 700 bar (10 000 psi) of hydraulic pressure:  
13 T (130 kN) per tool

It is recommended that tools are used in pairs giving:  
 $2 \times 13 \text{ T} = 26 \text{ T} (260 \text{ kN})$

SPREADING DISTANCE: 0 mm - 115 mm (0" - 4.53")

TOOL WEIGHT: 21.5 kg (47.3 lb)

### KIT COMPONENTS

- 1 x SG13TE Tool c/w Hydraulic Cylinder
- 1 x 700 bar (10 000 psi) HP 550S Sealed Hand Pump with Gauge
- 1 x 700 bar (10 000 psi) Hydraulic Hose, 2 m (78.7")
- 1 x 150 mm (6") Vernier Calliper
- 1 x (1/2") Square Drive Flexible Handle
- 1 x 30 mm (1 1/8") Drive Socket
- 1 x Safety Block
- 2 x M39 (1 1/2") Collets
- 2 x M42 (1 5/8") Collets
- 2 x M45 (1 3/4") Collets
- 1 x Instruction Manual
- 1 x Carry Case with protective foam inserts

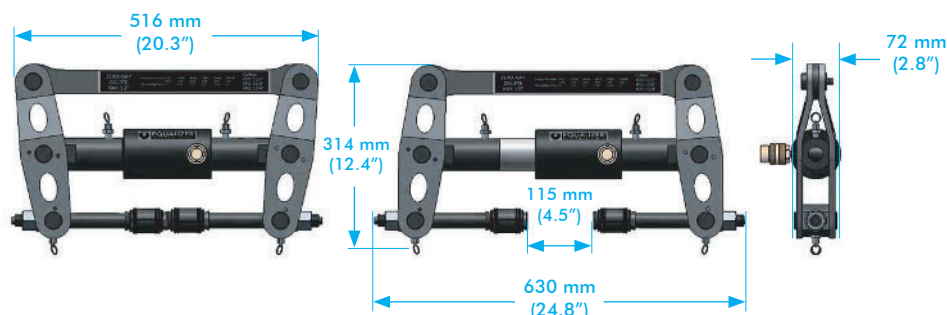
Product Code: SG13TESTD



### WEIGHTS AND DIMENSIONS

#### TOOL DIMENSIONS - CLOSED

#### TOOL DIMENSIONS - OPEN



Tool Weight: 21.5 kg (47.3 lb)  
Case Weight: 9 kg (19.8 lb)  
Gross Kit Weight: 40.5 kg (89.3 lb)

Carry Case Dimensions:  
890 mm x 570 mm x 165 mm  
(35.0" x 22.4" x 6.5")

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## RANGE OF APPLICATION

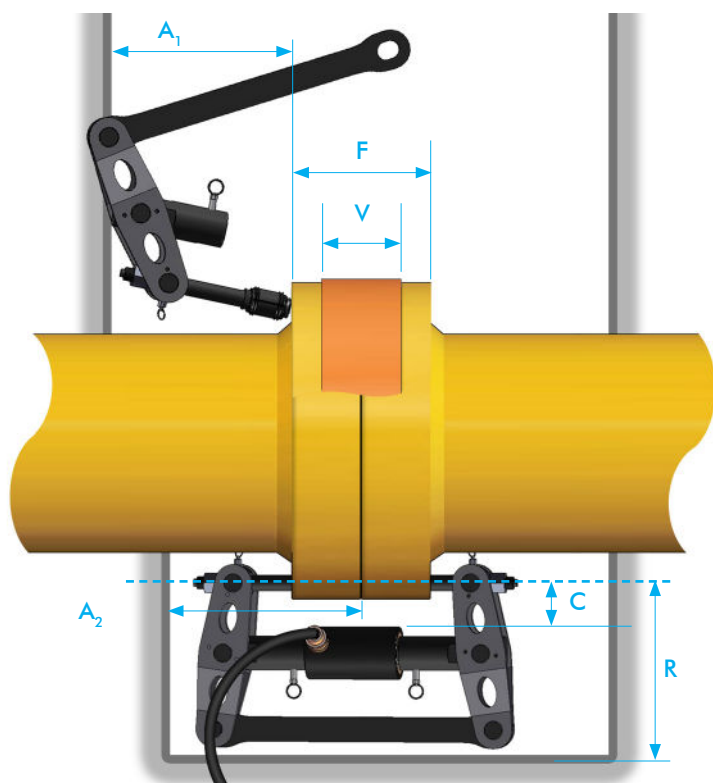
The SG13TE is usable on all standard flanges that have been specified to accept the following bolt sizes:

M39 (1 1/2"), M42 (1 5/8"), M45 (1 3/4")

This includes ANSI, DIN, SPO, ASME, API and BS flanges.

For a detailed range of application please request the Secure-Grip Hydraulic Operator Instruction Manual.

## SPATIAL ENVELOPE



\*Short Collet Holder Kits (SCH) are available which can offer improved range of application.

\*\* Collet Holders can also be dismantled and inserted through bolt-holes from opposite side.

Contact Equalizer International if your application does not appear to suit standard tools.

|                | DIMENSION                      | MEASURED FROM          | MEASURED TO                | MINIMUM            | MAXIMUM        |
|----------------|--------------------------------|------------------------|----------------------------|--------------------|----------------|
| F              | Flange Joint Thickness         | Outside Face of Flange | Outside Face of Flange     | 120 mm (4.7")      | 310 mm (12.2") |
| V              | Valve/Spacer Thickness         | Inside Face of Flange  | Inside Face of Flange      | *0.0 mm (0.0")     | *95 mm (3.7")  |
| C              | Flange Clearance               | Bolt-Hole Circle       | Largest OD of Valve/Spacer | -                  | 70 mm (2.8")   |
| R              | Radial space                   | Bolt-Hole Circle       | Closest Obstruction        | 280 mm (11.0")     | -              |
| A <sub>1</sub> | Axial space (for installation) | Outside Face of Flange | Closest Obstruction        | **310 mm (**12.2") | -              |
| A <sub>2</sub> | Axial space (installed)        | Inner Face of Flange   | Closest Obstruction        | 260 mm (10.2")     | -              |

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