



FLANGE TOOL INNOVATION

# PRODUCT DATA SHEET

## SG25TE

### SECURE-GRIP IN-LINE HYDRAULIC FLANGE SPREADER

**SPREADING FORCE:**

With 700 bar (10 000 psi) of hydraulic pressure:  
25 T (250 kN) per tool

It is recommended that tools are used in pairs giving:  
2 x 25 T = 50 T (500 kN)

**SPREADING DISTANCE:** 0 mm - 120 mm (0" - 4.72")

**TOOL WEIGHT:** 24 kg (52.9 lb)

#### KIT COMPONENTS

- 1 x SG25TE Tool c/w Hydraulic Cylinder
- 1 x Spreading plug
- 1 x 700 bar (10 000 psi) HP550S Sealed Hand Pump with Gauge
- 1 x 700 bar (10 000 psi) Hydraulic Hose, 2 m (78.7")
- 1 x 300 mm (12") Vernier Calliper
- 1 x Spacer Plate
- 1 x Safety Block
- 1 x Instruction Manual
- 1 x Carry Case with protective foam inserts

Product Code: SG25TESTD



#### COLLETS (Available Separately)

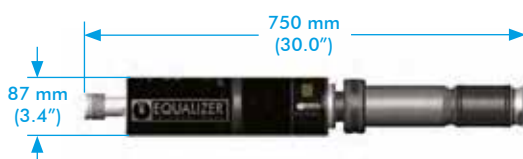
- |                          |                          |
|--------------------------|--------------------------|
| 2 x M76 (3") Collets     | 2 x M90 (3 1/2") Collets |
| 2 x M80 (3 1/4") Collets | 2 x M95 (3 3/4") Collets |
| 2 x M84 (3 3/8") Collets | 2 x M100 (4") Collets    |

#### WEIGHTS AND DIMENSIONS

Tool Weight: 24 kg (52.9 lb)  
Case Weight: 9 kg (19.8 lb)  
Gross Kit Weight: 50 kg (110.2 lb)

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

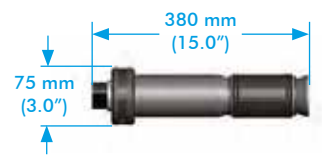
TOOL DIMENSIONS - CLOSED



TOOL DIMENSIONS - OPEN



SPREADING PLUG DIMENSIONS



Hi-Press Hydraulics Ltd  
Riverside Works,  
Forge Road, Whaley Bridge,  
High Peak, SK23 7HY  
T: 01663 735089  
Sales@hi-press.co.uk

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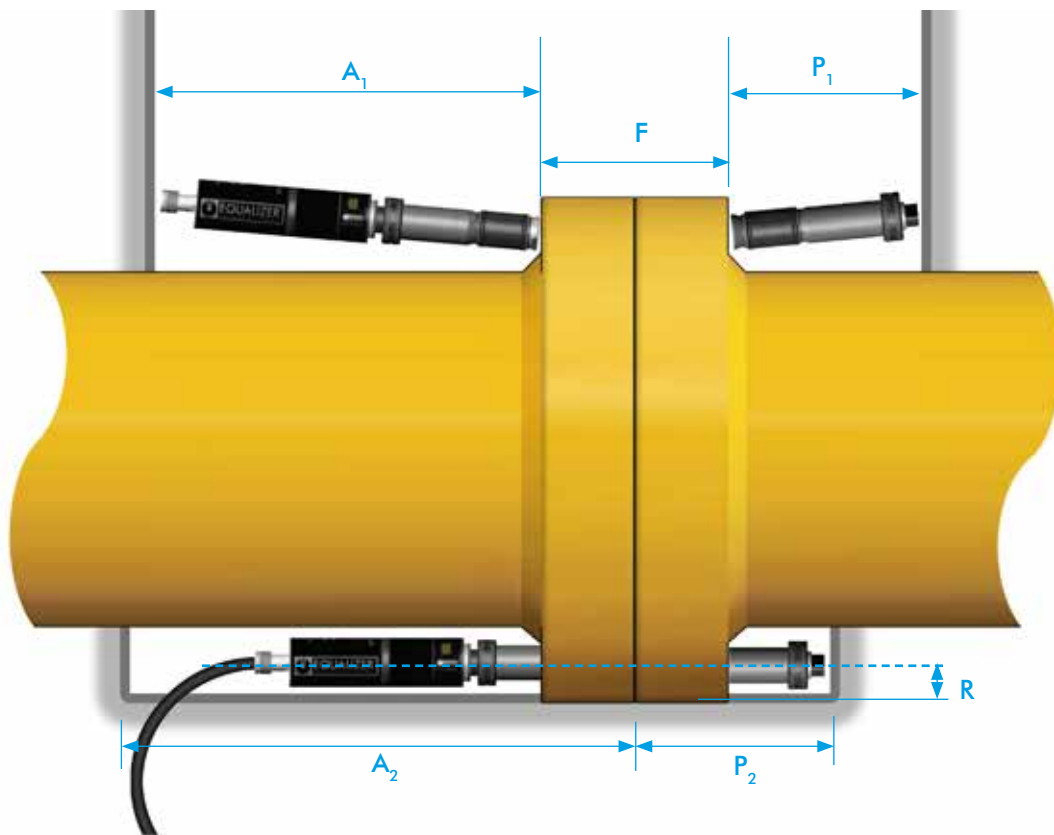
## RANGE OF APPLICATION

The SG25TE is usable on all standard flanges that have been specified to accept the following bolt sizes: M76 (3"), M80 (3 1/4"), M84 (3 3/8"), M90 (3 1/2"), M95 (3 3/4"), M100 (4")

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

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

## SPATIAL ENVELOPE



	DIMENSION	MEASURED FROM	MEASURED TO	MINIMUM	MAXIMUM
F	Flange Joint Thickness	Outside Face of Flange	Outside Face of Flange	210 mm (8.3")	570 mm (22.4")
R	Radial space	Bolt-Hole Circle	Closest Obstruction	55 mm (2.2")	-
A <sub>1</sub>	Axial Tool space (for installation)	Outside Face of Flange	Closest Obstruction	750 mm (29.5")	-
A <sub>2</sub>	Axial Tool space (installed)	Inner Face of Flange	Closest Obstruction	1100 mm (43.3")	-
P <sub>1</sub>	Axial Plug space (for installation)	Outside Face of Flange	Closest Obstruction	380 mm (15.0")	-
P <sub>2</sub>	Axial Plug space (installed)	Inner Face of Flange	Closest Obstruction	380 mm (15.0")	-

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

