

SG13TE

Secure-grip hydraulic flange spreader



The SG13TE is a Secure-Grip hydraulic flange spreader.

With 700 bar (10 000 psi) of hydraulic pressure, the SG13TE produces a spreading force of 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 kN).

130 kN

SPREADING FORCE PER TOOL
(13 T)

260 kN

USED IN PAIRS (26 T)

0–115 mm

SPREADING DISTANCE (0"–
4.53")

21.5 kg

TOOL WEIGHT (47.3 LB)

KIT COMPONENTS

- 1 × SG13TE tool c/w hydraulic cylinder
- 1 × 700 bar (10 000 psi) HP 550S sealed hand pump with gauge
- 1 × 700 bar (10 000 psi) hydraulic hose, 2 m (78.7")
- 1 × 150 mm (6") vernier calliper
- 1 × ½" square drive flexible handle
- 1 × 30 mm (1 1/8") drive socket
- 1 × Safety block
- 2 × M39 (1 1/2") collets
- 2 × M42 (1 5/8") collets
- 2 × M45 (1 3/4") collets
- 1 × Instruction manual
- 1 × Carry case with protective foam inserts

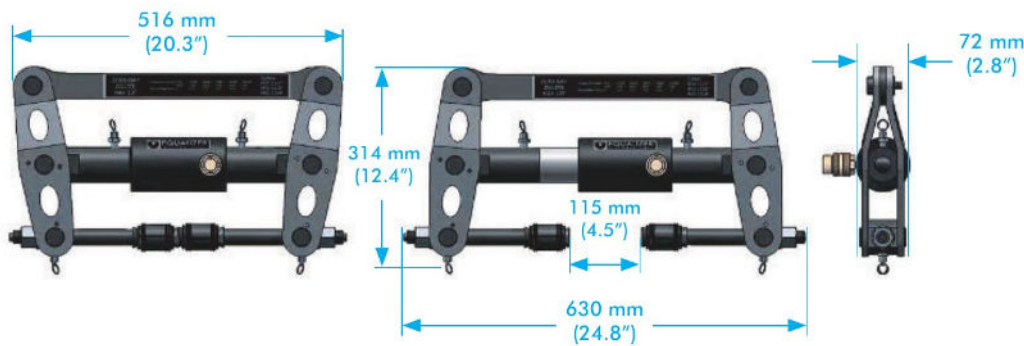


SG13TE kit

WEIGHTS AND DIMENSIONS

Product code	SG13TESTD
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 × 570 × 165 mm (35.0" × 22.4" × 6.5")

TOOL DIMENSIONS



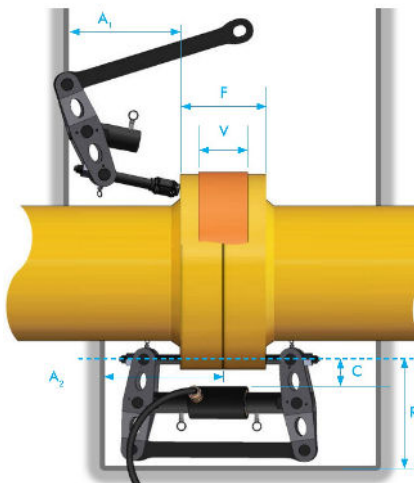
Tool dimensions – closed (left), open (centre and right)

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 the opposite side.

	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 ₁	Axial space (for installation)	Outside face of flange	Closest obstruction	**310 mm (12.2")	–
A ₂	Axial space (installed)	Inner face of flange	Closest obstruction	260 mm (10.2")	–