SG25TE
SECURE-GRIP IN-LINE HYDRAULIC FLANGE SPREADER

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 M80 (3 1/4”) Collets
2 x M84 (3 3/8”) Collets
2 x M90 (3 1/2”) Collets
2 x M95 (3 3/4”) Collets
2 x M100 (4”) Collets

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)

WEIGHTS AND DIMENSIONS

<table>
<thead>
<tr>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tool Weight</td>
<td>24 kg (52.9 lb)</td>
</tr>
<tr>
<td>Case Weight</td>
<td>9 kg (19.8 lb)</td>
</tr>
<tr>
<td>Gross Kit Weight</td>
<td>50 kg (110.2 lb)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Description</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carry Case Dimensions</td>
<td>890 mm x 570 mm x 165 mm (35.0” x 22.4” x 6.5”)</td>
</tr>
</tbody>
</table>

TOOL DIMENSIONS
- **CLOSED**
  - Tool Length: 750 mm (30.0”)
  - Spreader Length: 75 mm (3.0”)

- **OPEN**
  - Tool Length: 870 mm (34.3”)
  - Spreader Length: 380 mm (15.0”)

SPREADING PLUG DIMENSIONS
- Length: 87 mm (3.4”)
- Width: 38 mm (1.5”)

info@equalizerinternational.com
www.equalizerinternational.com
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

<table>
<thead>
<tr>
<th>DIMENSION</th>
<th>MEASURED FROM</th>
<th>MEASURED TO</th>
<th>MINIMUM</th>
<th>MAXIMUM</th>
</tr>
</thead>
<tbody>
<tr>
<td>F Flange Joint Thickness</td>
<td>Outside Face of Flange</td>
<td>Outside Face of Flange</td>
<td>210 mm (8.3”)</td>
<td>570 mm (22.4”)</td>
</tr>
<tr>
<td>R Radial space</td>
<td>Bolt-Hole Circle</td>
<td>Closest Obstruction</td>
<td>55 mm (2.2”)</td>
<td>-</td>
</tr>
<tr>
<td>A₁ Axial Tool space (for installation)</td>
<td>Outside Face of Flange</td>
<td>Closest Obstruction</td>
<td>750 mm (29.5”)</td>
<td>-</td>
</tr>
<tr>
<td>A₂ Axial Tool space (installed)</td>
<td>Inner Face of Flange</td>
<td>Closest Obstruction</td>
<td>1100 mm (43.3”)</td>
<td>-</td>
</tr>
<tr>
<td>P₁ Axial Plug space (for installation)</td>
<td>Outside Face of Flange</td>
<td>Closest Obstruction</td>
<td>380 mm (15.0”)</td>
<td>-</td>
</tr>
<tr>
<td>P₂ Axial Plug space (installed)</td>
<td>Inner Face of Flange</td>
<td>Closest Obstruction</td>
<td>380 mm (15.0”)</td>
<td>-</td>
</tr>
</tbody>
</table>

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