



"innovation in its most functional form"

PRODUCT DATA SHEET

SG18TE

SECURE-GRIP IN-LINE HYDRAULIC FLANGE SPREADER

SPREADING FORCE:
10,000 psi (700bar) = 18 T (180 kN) per tool
It is recommended that tools are used in pairs giving
2 x 18 = 36 T (360 kN)

SPREADING DISTANCE = 0-100mm (0-3.94")
TOOL WEIGHT = 14kg (30.8 lbs)

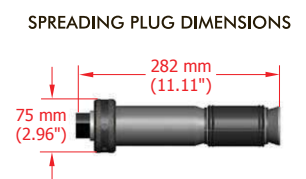
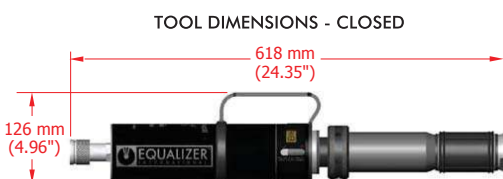
KIT COMPONENTS

- 1 x SG18TE
 - 1 x Spreading plug
 - 1 x 10,000 psi (700 bar) HP350S Sealed Hand Pump with Gauge
 - 1 x 10,000 psi (700 bar) Hydraulic Hose, 2m (78.75")
 - 1 x 300mm (12") Vernier Calliper
 - 1 x 12.5mm (0.49") Spacer Plate
 - 1 x 5mm Allen Key
 - 1 x 50mm (1.97") Spacer
 - 1 x Safety Block
 - 2 x M60 (2 3/8") Collets
 - 2 x M64 (2 1/2") Collets
 - 2 x M70 (2 3/4") Collets
 - 1 x Instruction Manual
 - 1 x Carry Case with protective foam inserts
- Product Code: SG18TESTD



WEIGHTS AND DIMENSIONS

| | | |
|--------------|--------------------|---|
| Tool Weight | = 14 kg (30.8 lbs) | Carry Case Dimensions: |
| Case Weight | = 9 kg (19.8 lbs) | 890 x 570 x 165mm (35.04" x 22.44" x 6.50") |
| Gross Weight | = 45 kg (99 lbs) | |



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RANGE OF APPLICATION

The SG18TE is usable on all standard flanges that have been specified to accept the following bolt sizes:

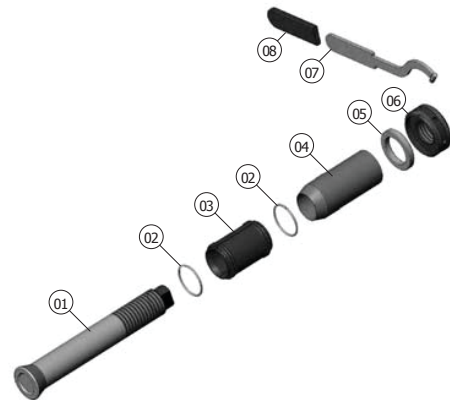
M60, M64, M70, 2^{3/8} ", 2^{1/2} ", 2^{3/4} "

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.

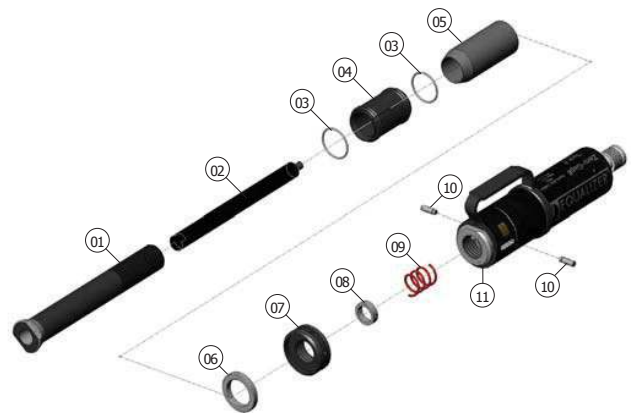
SPREADING PLUG PARTS LIST AND EXPLODED DRAWING

| ITEM | PART No. | DESCRIPTION | QUANTITY |
|------|-----------|-----------------|----------|
| 01 | 666001-01 | COLLET PLUG | 01 each |
| 02 | 663101-02 | M60 SPRING RING | 02 each |
| | 633501-02 | M64 SPRING RING | 02 each |
| | 633701-02 | M70 SPRING RING | 02 each |
| 03 | 663001-01 | M60 COLLET | 01 each |
| | 663401-01 | M64 COLLET | 01 each |
| | 633601-01 | M70 COLLET | 01 each |
| 04 | 662201-01 | DRIVE CONE | 01 each |
| | 662101-01 | NYLON WASHER | 01 each |
| 05 | 662001-01 | DRIVE NUT | 01 each |
| 06 | 662601-01 | SPANNER | 01 each |
| 07 | 662601-01 | SPANNER SLEEVE | 01 each |
| 08 | 312301-02 | SPANNER SLEEVE | 01 each |



ACTUATOR PARTS LIST AND EXPLODED DRAWING

| ITEM | PART No. | DESCRIPTION | QUANTITY |
|------|-----------|-----------------------------------|----------|
| 01 | 662301-01 | COLLET HOLDER | 01 each |
| 02 | 662401-01 | PISTON ROD | 01 each |
| 03 | 663101-02 | M60 SPRING RING | 02 each |
| | 633501-02 | M64 SPRING RING | 02 each |
| | 633701-02 | M70 SPRING RING | 02 each |
| 04 | 663001-01 | M60 COLLET | 01 each |
| | 663401-01 | M64 COLLET | 01 each |
| | 633601-01 | M70 COLLET | 01 each |
| 05 | 662201-01 | DRIVE CONE | 01 each |
| 06 | 662101-01 | NYLON WASHER | 01 each |
| 07 | 662001-01 | DRIVE NUT | 01 each |
| 08 | 661401-01 | SPRING COLLAR | 01 each |
| 09 | 661301-01 | SAFETY SPRING | 01 each |
| 10 | 661101-01 | DOWEL PIN | 02 each |
| 11 | | SEE HYDRAULIC CYLINDER PARTS LIST | 01 each |



HYDRAULIC CYLINDER PARTS LIST AND EXPLODED DRAWING

| ITEM | PART No. | DESCRIPTION | QUANTITY |
|------|-----------|---------------------|----------|
| 01 | 660801-01 | PISTON | 01 each |
| 02 | 660501-01 | PISTON SEAL | 01 each |
| 03 | 660301-01 | PISTON BACKUP RING | 01 each |
| 04 | 660701-01 | PISTON PACKING | 01 each |
| 05 | 660401-01 | CYLINDER BODY | 01 each |
| 06 | 661601-01 | INNER RETURN SPRING | 01 each |
| 07 | 660901-01 | OUTER RETURN SPRING | 01 each |
| 08 | 661201-01 | CYLINDER CAP | 01 each |
| 09 | 661501-01 | CYLINDER HANDLE | 01 each |
| 10 | 402101-01 | M5 CAPHEAD SCREW | 02 each |

