

SG11TM

Secure-grip mechanical flange spreader



The SG11TM is a Secure-Grip mechanical flange spreader.

With 120 N·m (89 ft·lb) of torque applied, the SG11TM produces a spreading force of 11 T (110 kN). It is recommended that tools are used in pairs, giving $2 \times 11 \text{ T} = 22 \text{ T}$ (220 kN).

110 kN

SPREADING FORCE (11 T)

220 kN

USED IN PAIRS (22 T)

90 mm

SPREADING DISTANCE, UP TO
(3.54")

10.5 kg

TOOL WEIGHT (23.1 LB)

KIT CONTENTS

- 1 × SG11TM tool
- 1 × 150 mm (6") vernier calliper
- 1 × ½" drive torque wrench and 24 mm socket
- 1 × Safety block
- 2 × M30 (1 1/8") collets
- 2 × M33 (1 1/4") collets
- 2 × M36 (1 3/8") collets
- 1 × Instruction manual
- 1 × Carry case with protective foam inserts



SG11TM kit

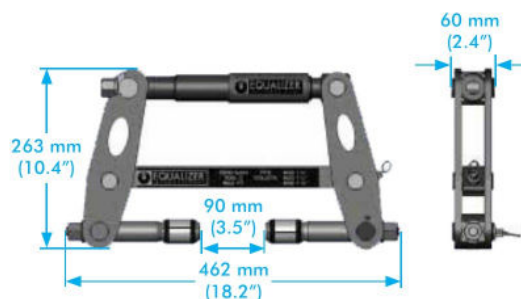
WEIGHTS AND DIMENSIONS

Product code	SG11TMSTD
Tool weight	10.5 kg (23.1 lb)
Gross kit weight	20 kg (44 lb)
Carry case	640 × 540 × 165 mm (25.2" × 21.3" × 6.5")

TOOL DIMENSIONS



Tool dimensions – closed



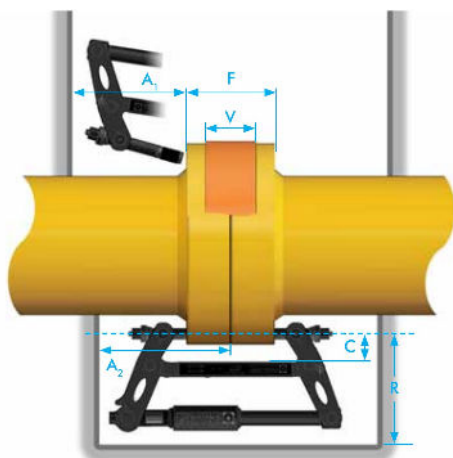
Tool dimensions – open

RANGE OF APPLICATION

The SG11TM is usable on all standard flanges that have been specified to accept the following bolt sizes: **M30, M33, M36, 1 1/8", 1 1/4", 1 3/8"**. This includes ANSI, DIN, SPO, ASME, API and BS flanges.

For a detailed range of application please request the Secure-Grip Mechanical 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	96 mm (3.8")	240 mm (9.4")
V	Valve/spacer thickness	Inside face of flange	Inside face of flange	*0 mm (0.0")	*60 mm (2.4")
C	Flange clearance	Bolt-hole circle	Largest OD of valve/spacer	–	60 mm (2.4")
R	Radial space	Bolt-hole circle	Closest obstruction	240 mm (9.4")	–
A₁	Axial space (for installation)	Outside face of flange	Closest obstruction	**223 mm (8.8")	–
A₂	Axial space (installed)	Inner face of flange	Closest obstruction	258 mm (10.2")	–