

HYDRAULIC FLANGE SPREADER

HYDRAULIC VERTICAL CROCODILE DESIGN MODEL NO. PSW-10

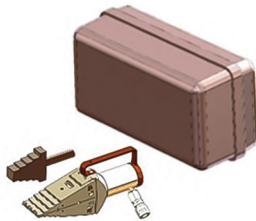


TECHNICAL FEATURES :

- ▶ Lifting force – 14 Tons per tool.
- ▶ Only requires an access gap of 6mm
- ▶ Locking at first step ensures on slippage increased safety
- ▶ Robust Light weight Tool- Just 7.2 kg (16 lbs)
- ▶ Working Pressure - 10,000 PSI (700 Bar).
- ▶ Automatic Spring Return

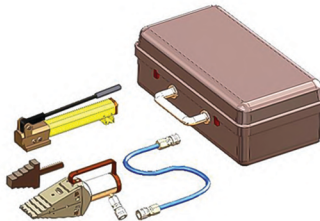
OPERATING BENEFITS:

- ▶ Time / Cost Savings.
- ▶ Lowest Weight / Lifting Force Ratio.
- ▶ Easy to set up and use.
- ▶ Minimal Maintenance.
- ▶ Fast for labour and time savings.
- ▶ Use multiple units for greater lifting



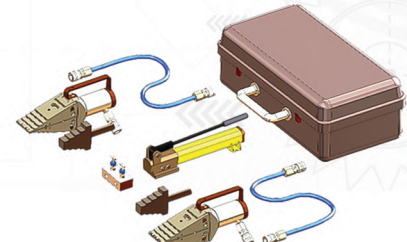
MINI KIT

- ▶ 1 x Hydraulic Spreader Assembly
- ▶ 1 x Safety Block
- ▶ 1 x Instruction Manual
- ▶ 1 x Carry Case
- ▶ Gross Weight: 8 kg



STANDARD KIT

- ▶ 1 x Hydraulic Spreader Assembly
- ▶ 1 x 10,000 psi (700 Bar) Hydraulic Hand Pump
- ▶ 1 x 10,000 psi (700 Bar) Hydraulic Hoses
- ▶ 1 x Safety Block
- ▶ 1 x Instruction Manual
- ▶ 1 x Carry Case
- ▶ Gross Weight: 17 kg



MAXI KIT

- ▶ 2 x Hydraulic Spreader Assembly
- ▶ 1 x Two Stage Hydraulic Hand Pump
- ▶ 2 x 10,000 psi (700 Bar) Hydraulic Hoses
- ▶ 2 x Safety Block
- ▶ 1 x Instruction Manual
- ▶ 1 x Carry Case
- ▶ 1 x 10,000 psi Twin Valve Manifold
- ▶ Gross weight : 28 kg

PSW/PVW SERIES

HYDRAULIC VERTICAL LIFTING WEDGE MODEL NO. PVW-16

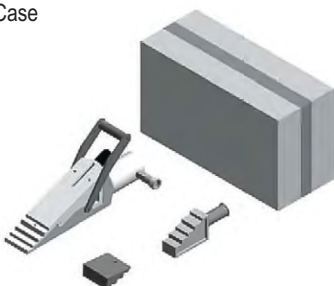


TECHNICAL FEATURES :

- ▶ Lifting force – 16 Tons Per Tool.
- ▶ Lift in a straight vertical place.
- ▶ Access gap of only 3/8" (9.5mm) needed.
- ▶ 3/4" (19.0mm) of vertical lift available from each step.
- ▶ Max. height of 50mm on 4th step
- ▶ Automatic spring return retraction.
- ▶ Interlocking first step ensures safe hold.
- ▶ No slippage due to locking.

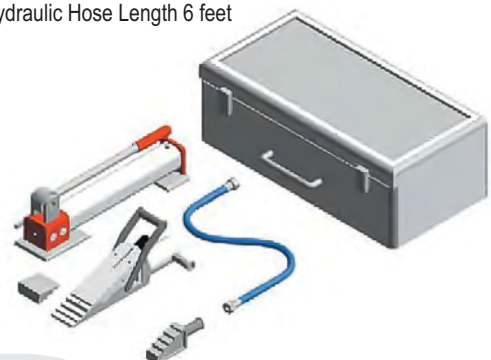
MINI KIT Model No. : PVW-16MK

- ▶ 1 x Hydraulic Vertical Lifting Wedge Assembly
- ▶ 1 x Safety Block
- ▶ 1 x Instruction Manual
- ▶ 1 x Carry Case



STANDARD KIT Model No. : PVW-16SK

- ▶ 1 x Hydraulic Vertical Lifting wedge Assembly
- ▶ 1 x 10,000 psi (700 Bar) Two Stage Hydraulic Hand Pump
- ▶ 1 x 10,000 psi (700 Bar) Hydraulic Hose Length 6 feet
- ▶ 1 x Safety Block
- ▶ 1 x Stepped Block
- ▶ 1 x Instruction Manual
- ▶ 1 x Carry Case



INTEGRAL HYDRAULIC FLANGE SPREADER



Model No. : PIHFS-15

It is recommended that tools are used in pairs giving: $2 \times 15 \text{ T} = 30 \text{ T}$ (300 kN)

FEATURES :

- ▶ Compact built in pump.
- ▶ Light weight and portable.
- ▶ Ideal for narrow / confined spaces or working on height.
- ▶ No longer need to carry pump , hose etc....
- ▶ Automatic mechanical retraction.

TECHNICAL :

- ▶ Capacity : 15 ton (150 kN)
- ▶ Minimum gap required : 6 mm
- ▶ Spreading Range : 81 mm
- ▶ Pressure : 700 bar (10 000 psi)
- ▶ TOOL WEIGHT : 9 kg (19.8 lb)

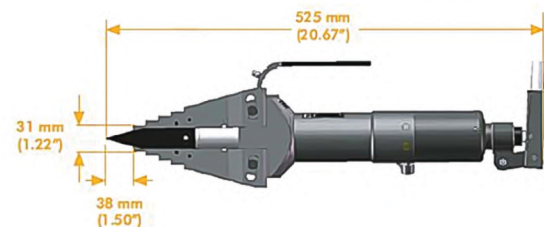
KIT COMPONENTS :

- ▶ 1 x SW 15TI Wedgehead
- ▶ 1 x Integral Hydraulic Pump
- ▶ 1 x Safety Block
- ▶ 1 x Pair of Stepped Blocks
- ▶ 1 x Hex Key
- ▶ 1 x Carry-Strap
- ▶ 1 x Instruction Manual
- ▶ 1 x Carry-Case

TOOL DIMENSIONS - CLOSED



TOOL DIMENSIONS - OPEN



MECHANICAL FLANGE SPREADER



FEATURES :

- ▶ Simple solution for mechanically spreading flange joints.
- ▶ No external power source required.
- ▶ Rotary handle for using in horizontal and vertical positions.
- ▶ Secure hold on each step.
- ▶ There is no risk of pinching operators fingers.
- ▶ Cost effective and increase comfort of worker.

TECHNICAL :

- ▶ Capacity : 9.4 ton
- ▶ Minimum gap required : 6 mm
- ▶ Spreading Range : 81 mm
- ▶ With 203 Nm (150 ft.lb) of torque applied: 9.4 T
- ▶ TOOL WEIGHT : 5.5 kg (12.1 lb)

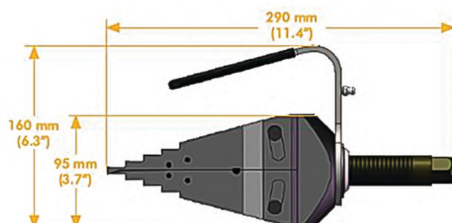
KIT COMPONENTS :

- ▶ 1 x SW9TM Wedgehead
- ▶ 1 x 203 Nm (150 ft.lb) Torque
- ▶ 1 x Safety Block
- ▶ 1 x Pair of Stepped Blocks
- ▶ 1 x Hex Key
- ▶ 1 x Instruction Manual

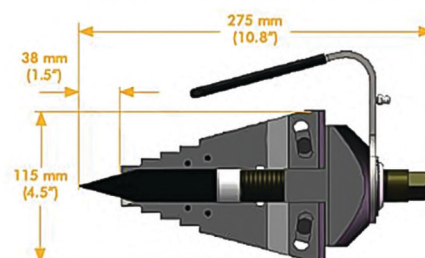
Model No. : PMFS-10

It is recommended that tools are used in pairs giving: $2 \times 9.4 \text{ T} = 18.8 \text{ T}$ (188 kN)

TOOL DIMENSIONS - CLOSED



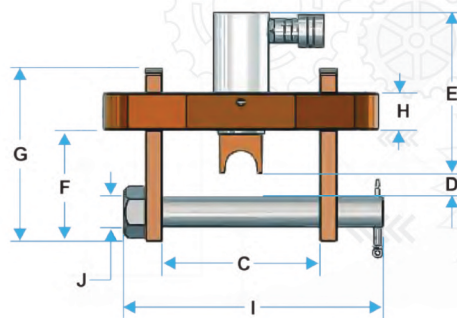
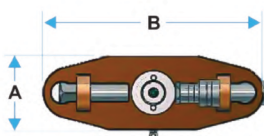
TOOL DIMENSIONS - OPEN



HYDRAULIC FLANGE SPREADER – PIN TYPE

FEATURES :

- ▶ These Hydraulic Flange Spreaders are used for safety opening of pipe flanges.
- ▶ Available in capacity of 5 and 10 tons. The both models enable to open flanges up to 90mm thick.
- ▶ Operated with a standard hydraulic hand pump and connecting hose.
- ▶ Complete set is supplied in a handy storage case,
- ▶ Hydraulic Flange Spreaders can be operated individually, or as a pair when opening large diameter flanges.
- ▶ Hydraulic Flange Spreaders takes minutes to open the toughest flanges eliminating sparks caused by hammer blows and chisels.



TECHNICAL SPECIFICATION

Model No.	Capacity Tonnes	Stroke mm	Oil capacity cm3	Max. Flange capacity mm	Flange diameter mm (inch)	Stud size mm	Standard wedge mm	Optional wedge mm
PPFS-50	5	39	25	2 X 58	1150 mm (45")	19-29	3-29	30-56
PPFS-100	10	55	78	2 X 93	1900 mm (75")	32-41	3-29	30-56

DIMENSIONS

MODEL NO	A	B	C		D	E	F	G	H	I	J
			MIN	MAX							
PPFS-50	77	210	61	157	10	192	69	131	25	205	18
PPFS-100	110	290	61	226	30	165	89	180	38	274	31

MANUAL FLANGE SPREADER

MODEL: PMFS - 10

Place the tips between the flange faces and turn the ratcheted handle. The ratcheting action is transformed into 4535 Kg (10,000 lbs.) of spreading force which in turn creates up to 76.2 mm (3") of gap.



SPECIFICATION	IMPERIAL	METRIC
WIDTH OF JAW	4.5"	114mm
WIDTH OF BODY	4"	101mm
JAW OPEN	3"	76.2mm
JAW CLOSE	0.9"	23mm
JAW PENETRATION	1.5"	38.1mm
WEIGHT	17.0 Lbs	7.70 kg
LENGTH	14"	355 mm
FORCE	10000 Lbs	4.5Ton

HYDRAULIC POWER SPREADER

MODEL: PHFS - 10

Prime Hydraulic Power spreaders are used for opening of pipe flange. Hydraulic cylinder replaces the ratchet handle. A standard hand pump powers Single or a pair of spreader with ease. When applied force of 4535 kg (10,000 lbs) of force and 76.2 mm (3") of gap; ample for gasket replacement or turning of blinds.



SPECIFICATION	IMPERIAL	METRIC
WIDTH OF JAW	4.5"	114mm
WIDTH OF BODY	4"	101mm
JAW OPEN	3"	76.2mm
JAW CLOSE	0.9"	23mm
JAW GAP	1.5"	38.1mm
WEIGHT	15.5 Lbs	7.0 kg
LENGTH	13.25"	336mm
FORCE	10000 Lbs	4.5Ton