

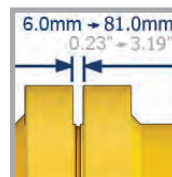
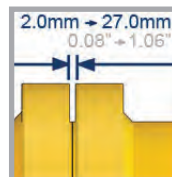
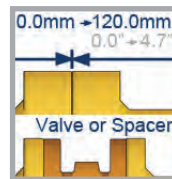
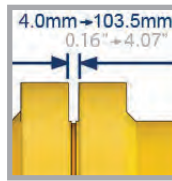
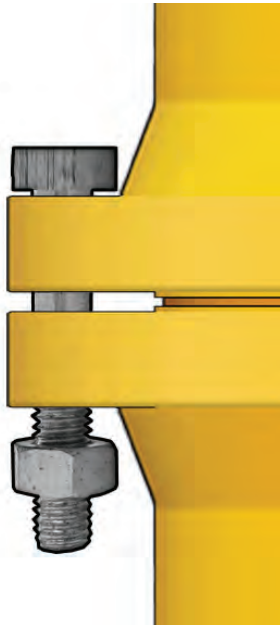


FLANGE TOOL INNOVATION



# 1. FLANGE SPREADING SOLUTIONS

The Equalizer™ range of patented flange spreading tools has been developed to aid and simplify the maintenance of flange joints. No longer will those tasked with separating flanges have to rely on using ropes and pulleys, podgers, tirsors, come-alongs or hammers – there is a safe, quick and effective alternative, the Equalizer™ range of spreaders. These spreaders use mechanical and hydraulic principles for separating flanges and can spread small, medium or large flange joints. Tool selection is made on the basis of the access gap between the flange faces:



## SWi Range:

The world's safest and most powerful flange spreading wedge for use on small, medium or large flange joints with an access gap of at least 4.0mm.

## SG & VC Range:

A globally unique spreader for use on flange joints with no access gap, or where there is a spacer, wafer or butterfly valve positioned between the flanges.

## MG Tool:

The safest tool for small diameter, low pressure flanges with an access gap of at least 2.0mm.

## SW Range:

A general purpose spreading wedge for use on small, medium or large flange joints with an access gap of at least 6.0mm.

# SWi RANGE

## INNOVATIVE FLANGE SPREADING WEDGES

The SWi range has set the new standard for spreading flange joints powerfully, efficiently, effectively and safely. The tools offer the following features and benefits:

Wider spreading - using the supplied Stepped Block accessories means the SWi range offers up to 30% more flange spreading distance than a traditional SW tool.

Unrivalled power - the tools now offer up to 25T of spreading force, which provides additional confidence when spreading.

Narrower jaws - the SWi tools are 8% narrower than the traditional SW range to help them fit more easily between flange bolts.

Safer working - the 360-degree swivel lanyard on all SWi tools enables users to attach the spreader to some adjacent pipework, mitigating potential dropped object injury.

Fully rotational handle - the handle swivels 360-degrees around the wedge

head, so that the SWi tools can be used comfortably in all orientations.

Lighter tools - the SWi tools are on average lighter than the traditional SW spreaders and are therefore easier to carry on-site and to use.

Better handle grips - the SWi comes with a reinforced composite handle making it easier to grip, hold and use.

Safety blocks - designed to suit the step sizes of the SWi tools, the supplied safety blocks accommodate the wider spread offered when the stepped blocks are fitted.

Easier maintenance - end-users will appreciate the ease with which the tools can be maintained. The supplied hex-key and a two step-process is all that's required to disassemble and reassemble the tools.

No pinch points - the SWi range of tools has been engineered to overcome finger pinch-points.



# SWi5TE

## INNOVATIVE EXTERNAL HYDRAULIC FLANGE SPREADING WEDGE

This new addition to the SWi fleet is not only smaller and lighter while retaining the SWi safety features but incorporates a 4mm wedge tip to enable this innovative tool to be used in the smallest of flanges and is actuated by an external hydraulic hand pump.



### NEW PRODUCT

#### TOOL CAPABILITIES

##### SPREADING FORCE

with 700bar (10,000psi) hydraulic pressure applied::

- 63kN (6.3T) 1st Step
- 77kN (7.7T) 4th Step

##### SPREADING DISTANCE

- 4mm – 29mm (0.16" – 1.14") using only 1st step
- 4mm – 79mm (0.16" – 3.1") using 4 steps (without stepped blocks)
- 56mm – 101mm (2.2" – 4") using 2 steps (with stepped blocks)

**TOOL WEIGHT:** 5.2kg (11.4lb)



TWIN KIT  
(SWi5TE-T)



SINGLE KIT  
(SWi5TE-S)



STEP BLOCK KIT  
(1640016-01)





# SWi12/14TM

## INNOVATIVE MECHANICAL FLANGE SPREADING WEDGE

This innovative spreading wedge is applicable for use on small to medium sized flanges and is mechanically operated using the supplied torque-wrench.



### TOOL CAPABILITIES

#### SPREADING FORCE

with 175N.m (130ft.lb) torque applied:

- 120kN (12T) 1st step
- 140kN (14T) 4th step

#### SPREADING DISTANCE

- 6.0mm – 40.0mm (0.24" - 1.6") using only 1st step
- 6.0mm – 87.5mm (0.24" - 3.4") using 4 steps (without stepped blocks)
- 48.5mm – 103.5mm (1.9" - 4.1") using 2 steps (with stepped blocks)

#### TOOL WEIGHT

- 6.2kg (13.7lb)



STANDARD KIT  
(SWi12/14TMSTDSPB)



FLANGE TOOL INNOVATION

# SWi20/25TE

## INNOVATIVE EXTERNAL HYDRAULIC FLANGE SPREADING WEDGE

This innovative spreading wedge is applicable for use on medium to large sized flanges and is actuated by an external hydraulic hand-pump.



### TOOL CAPABILITIES

#### SPREADING FORCE

with 700bar (10,000psi) hydraulic pressure applied:

- 200kN (20T) 1st step
- 240kN (24T) 4th step

#### SPREADING DISTANCE

- 6.0mm – 40.0mm (0.24" - 1.6") using only 1st step
- 6.0mm – 87.5mm (0.24" - 3.4") using 4 steps (without stepped blocks)
- 48.5mm – 103.5mm (1.9" - 4.1") using 2 steps (with stepped blocks)

**TOOL WEIGHT:** 6.4kg (14.10lb)

Available in three kit formats:



MINI KIT  
(SWi2025TEMIN)



STANDARD KIT  
(SWi2025TESTDSPB)



MAXI KIT  
(SWi2025TEMAXSPB)



# SWi20/25TI

## INNOVATIVE INTEGRAL HYDRAULIC FLANGE SPREADING WEDGE

This self-contained, compact and portable innovative spreading wedge is applicable for use on medium to large sized flanges and is actuated by an integral hydraulic hand-pump, so no hoses or external pumps are required.



### TOOL CAPABILITIES

#### SPREADING FORCE

with 700bar (10,000psi) hydraulic pressure applied:

- 200kN (20T) 1st step
- 240kN (24T) 4th step

#### SPREADING DISTANCE

- 6.0mm – 40.0mm (0.24" - 1.6") using only 1st step
- 6.0mm – 87.5mm (0.24" - 3.4") using 4 steps (without stepped blocks)
- 48.5mm – 103.5mm (1.9" - 4.1") using 2 steps (with stepped blocks)

#### TOOL WEIGHT

- 8.5kg (18.8lb)



STANDARD KIT  
(SWi2025TISTDSPB)



FLANGE TOOL INNOVATION

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