

▼ FSC14, FSM8 and FSH14 with Safety Blocks SB1



## Practical, Portable and Lightweight



### FSC14 with Integrated Hand Pump

Powered by a built-in hydraulic hand pump, the FSC14 is a ready-to-use tool – no making or breaking hydraulic connections. This compact tool delivers 14 US tons of force and requires a clearance gap as small as 0.24 inch.



### Stepped Blocks FSB1

Use this pair of stepped blocks to increase wedge opening up to 3.16 in. (80 mm). Fits **FSC**, **FSH** and **FSM** models.



### AM-Series Control Manifolds

For simultaneously and even spreading of flange joints, 180° apart with FSH14.

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### Flange Maintenance Tools

Secure-Grip flange spreading tools for application on flanges with a small gap.

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- **Integrated wedge concept:** friction-free, smooth, parallel wedge movement eliminates flange damage and spreading arm failure
- **Unique interlocking wedge design:** no first step bending and risk of slipping out of joint
- **Requires very small access gap of only 0.24 inch (6 mm)**
- **Stepped spreader arm design:** each step can spread under full load
- **Few moving parts means durability and low maintenance**
- **Safety block SB1 included with FSC14, FSH14 and FSM8**
- **Ratchet spanner SW22 included with FSM8 mechanical spreader**
- **Single-acting cylinder included with FSH14 hydraulic spreader**



◀ Two FSH14 spreaders used simultaneously with Enerpac handpump, hoses and AM21 control manifold.

# Flange Spreading Wedges



## Flange Spreading Wedges

The flange spreading tools have 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 Enerpac 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, the flange size and the required scope of work.

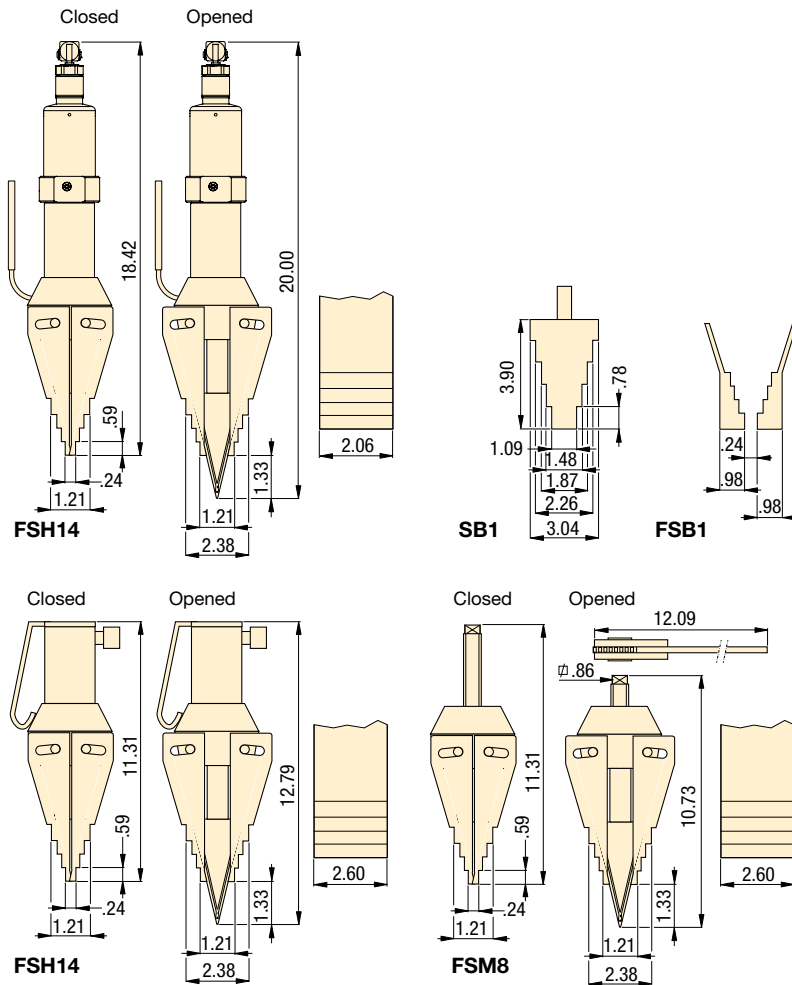
## FSC, FSH, FSM Series



Tip Clearance / Maximum Spread<sup>1)</sup>:  
**0.24 / 3.16 inches**

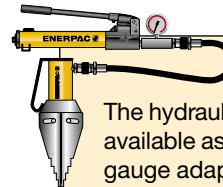
Maximum Spread Force:  
**8 - 14 tons**

Maximum Operating Pressure:  
**10,000 psi (FSH-14)**



## Safety Lanyard FSC1

Recommended safety accessory to compliment the safe hands-free bolting. Includes steel cable with carabiners.



## Tool Pump Sets

The hydraulic flange spreader is available as a set (pump, tool, gauge, gauge adaptor, couplers and hose) for your ordering convenience.

Spreader Model No.	Hand Pump Model No.	Set Model Number
FSH14	P392	STF14H

▼ Flange maintenance and joint separation with FSH14 Hydraulic Wedge Spreader.



Max. Spreading Force (ton)	Model Number	Tip Clearance (in)	Max. Spread <sup>1)</sup> (in)	Type	Oil Capacity (in <sup>3</sup> )	Wt. (lbs)
14	FSC14	0.24	3.16	Integral hydraulics	–	19.8
14	FSH14*	0.24	3.16	External hydraulics	4.76	15.7
8	FSM8	0.24	3.16	Mechanical	–	14.3

<sup>1)</sup> Using stepped blocks FSB1.

\* Available as Tool Pump Set, see note on this page.