

▼ FSC14, FSM8 and FSH14 with safety blocks SB1



- Unique interlocking wedge design no first step bending and risk of slipping out of joint
- Requires very small access gap of only 6 mm
- Few moving parts mean durability and low maintenance
- Safety block SB1 included with FSC14, FSH14 and FSM8
- Ratchet spanner SW22 included with FSM8 mechanical spreader
- Singleacting cylinder included with FSH14 hydraulic spreader.

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



## Practical, portable and lightweight



### FSC14 with integrated hand pump

Powered by a builtin hydraulic hand pump, the FSC14 is a readytouse tool – no making or breaking hydraulic connections. This compact tool delivers 14 US tons of force and requires a clearance gap as small as 6 mm.



### Stepped Blocks FSB1

Use stepped blocks to increase wedge opening up to 80 mm. Fits both FSC, FSH and FSMmodels.



### 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 and Zero-Gap flange spreading tools for application on flanges with a zero or small gap.

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# 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, tiffors, 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>:

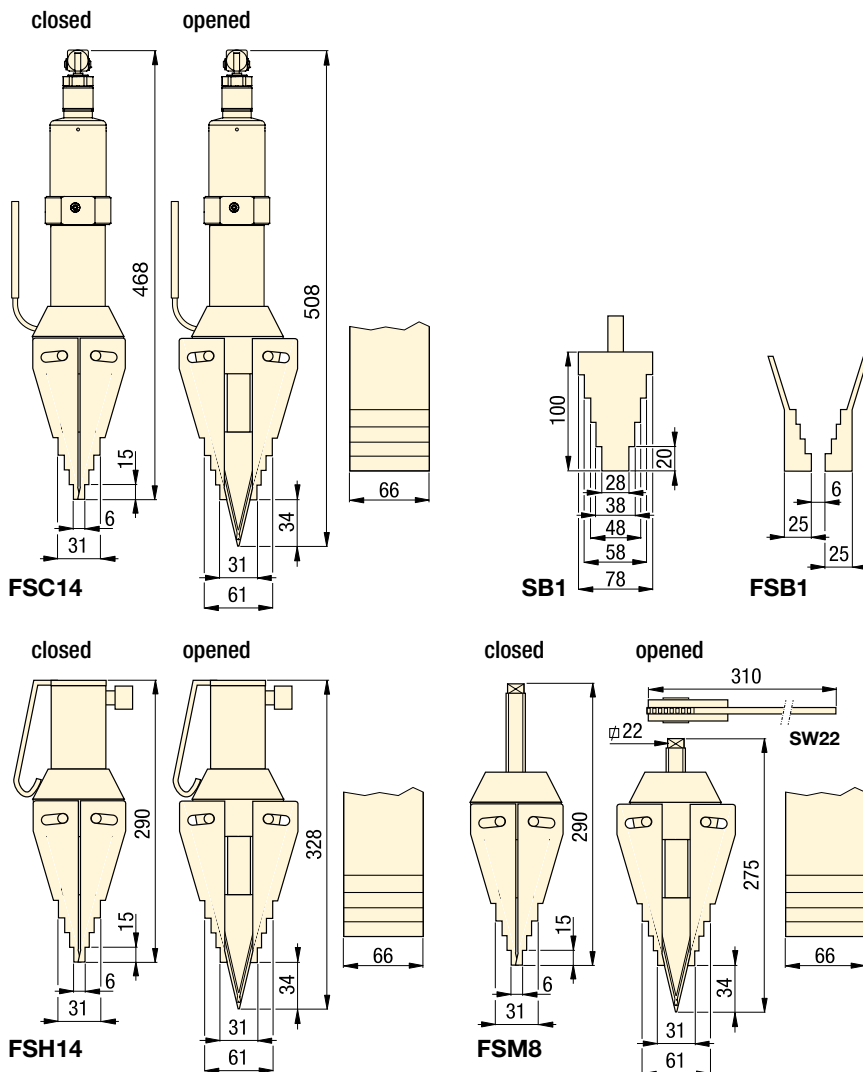
**6 mm / 80 mm**

Maximum Spread Force:

**8 - 14 US tons**

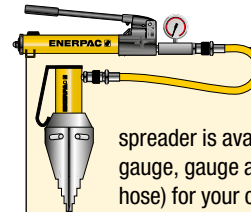
Maximum Operating Pressure:

**700 bar (FSH14)**



### Safety Lanyard FSC1

Recommended safety accessory to compliment bolting applications. Includes steel cable with carabiners.



### Tool-Pump Sets

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

Spreader Model Nr.	Handpump Model Nr.	Set Model Number
FSH14	P392	STF14H

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



Maximum Spreading Force US tons (kN)	Model Number	Tip Clearance (mm)	Maximum Spread <sup>1)</sup> (mm)	Spreader Type	Oil Capacity (cm <sup>3</sup> )	Weight (kg)
14 (118)	FSC14	6	80	Integral hydraulics	–	9,0
14 (125)	FSH14 *	6	80	External hydraulics	78	7,1
8 (72)	FSM8	6	80	Mechanical	–	6,5

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

\* Available as pump-tool set, see note on this page.