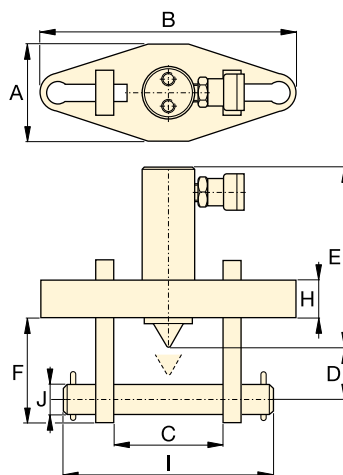



FS-Series, Hydraulic Flange Spreaders

▼ FS-56



- Lightweight, ergonomic design for ease of use
- Adjustable jaw widths from 70 mm to 216 mm for a wide range of applications
- Single-acting, spring return RC-Series DUO cylinders for fast trouble-free operation.



Maximum Flange Thickness (mm)	Stud Size (mm)	Standard Wedge (mm)	Capacity ton	Stroke (mm)	Oil Capacity (cm ³)	Model Number	Dimensions (mm)										 (kg)		
							A		B		C		D	E	F	H		I	J
							Min.	Max.	Min.	Max.	Min.	Max.							
2 x 57	19 - 28	3 - 28	5	38	24,6	FS-56*	76	209	70	155	32	196	88	25	206	19	11,5		
2 x 92	31 - 41	3 - 28	10	54	78,7	FS-109*	108	279	104	216	50	152	114	38	273	31	18,1		

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

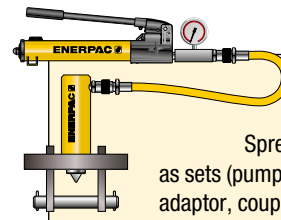
FS, STF Series



Capacity:
5 and 10 ton

Spread:
70 - 216 mm

Maximum Operating Pressure:
700 bar



Tool-Pump Sets

Both Flange Spreaders are available as sets (pump, tool, gauge, gauge adaptor, couplers and hose) for your ordering convenience.

Spreader Model Nr.	Pump Model Nr.	Set Model Number
FS-56	P-392	STF-56H
FS-109	P-392	STF-109H
FS-109	PATG-1102N	STF-109A



Wedge Spreaders

Friction-free, smooth and parallel wedge movement with unique interlock wedge design. Eliminates flange damage and risk of spreading arm failure.

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Flange Spreader Matching Chart

ASA Rating (bar)	Pipe Size (mm)	
	FS-56	FS-109
10	127 - 508	558 - 1066
20	63 - 355	406 - 711
27	63 - 304	355 - 609
35	63 - 254	304 - 508
62	12 - 152	203 - 406
103	12 - 88	101 - 203
172	12 - 63	76 - 101

Hydraulic and Mechanical Wedge Spreaders

▼ FSH-14 and FSM-8 with safety blocks SB-1



- **Integrated wedge concept:** Friction-free, smooth and 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 6 mm**
- **Stepped spreader arm design** - each step can spread under full load
- **Few moving parts mean durability and low maintenance**
- **Safety block SB-1 and ratchet spanner SW-22 included with FSM-8 mechanical wedge spreader**
- **Safety block SB-1 and Enerpac RC-102 single-acting cylinder included with FSH-14 hydraulic wedge spreader.**

FSH, FSM, STF Series

Tip Clearance / Maximum Spread ¹⁾:

6 mm / 80 mm

Maximum Spread Force:

8 - 14 ton

Maximum Operating Pressure:

700 bar (FSH-14)



Stepped Blocks FSB-1

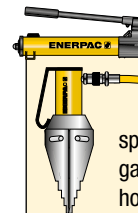
Use stepped blocks to increase wedge opening up to 80 mm. Fits both FSH-14 and FSM-8.



AM-Series Control Manifolds

For simultaneously and even spreading of flange joints, 180° apart with FSH-14.

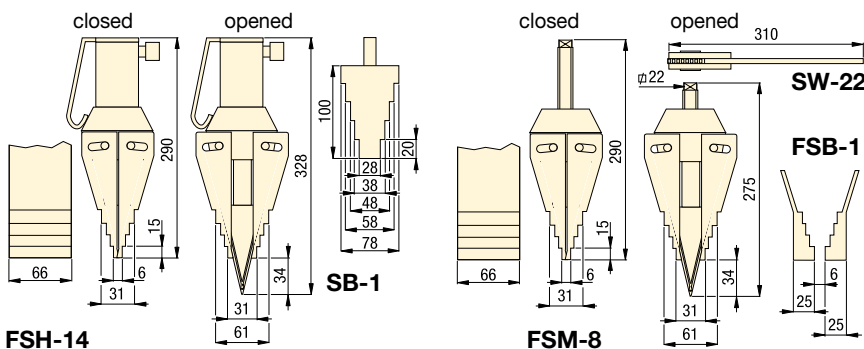
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Tool-Pump Sets

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
FSH-14	P-392	STF-14H



Maximum Spreading Force ton (kN)	Model Number	Tip Clearance (mm)	Maximum Spread ¹⁾ (mm)	Spreader Type	Oil Capacity (cm ³)	Weight (kg)
14 (125)	FSH-14*	6	80	Hydraulic	78	7,1
8 (72)	FSM-8	6	80	Mechanical	-	6,5

¹⁾ Using stepped blocks FSB-1

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

▼ Flange maintenance and joint separation with FSH-14 Hydraulic Wedge Spreader.

