

SHFS/SMFS SERIES

Hydraulic and Mechanical Wedge Spreaders



Features

- Unique wedge design for ease of testing, repair and maintenance
- 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 0.24inch.
- Stepped spreader arm design - each step can spread under full load.
- Use stepped blocks to increase wedge opening up to 3.15 inch.
- Few moving parts mean durability and low maintenance.
- Safety block HFSB-1, Stepped blocks MFSB-1 and ratchet spanner MFSW-22 included with SMFS-8 mechanical wedge spreader.
- Safety block HFSB-1, Stepped blocks MFSB-1, NPT3/8 quick Coupling and dust cap included with SHFS-14 hydraulic wedge spreader.

- Tip Clearance: 0.24 inch
- Maximum Spread: 3.15 inch
- Maximum Spread Force: 8 - 14 ton
- Maximum Operating Pressure: 10,000 psi (SHFS-14)

Sets Selection Example

SHFS-14 flange spreader, optional pump, pressure gauge, pressure gauge stand and tubing to achieve operating conditions.

Example

Selected hand pump :

- HP7-0.7, steel manual pump

Selected hose

- RH-A6-NPT3/8 rubber hose with a length of 0.24 inch and a connection of NPT3/8"

Selected pressure gauge

- HG250-10kpsi, pressure range 0-10000psi, nominal diameter 2.48 inch

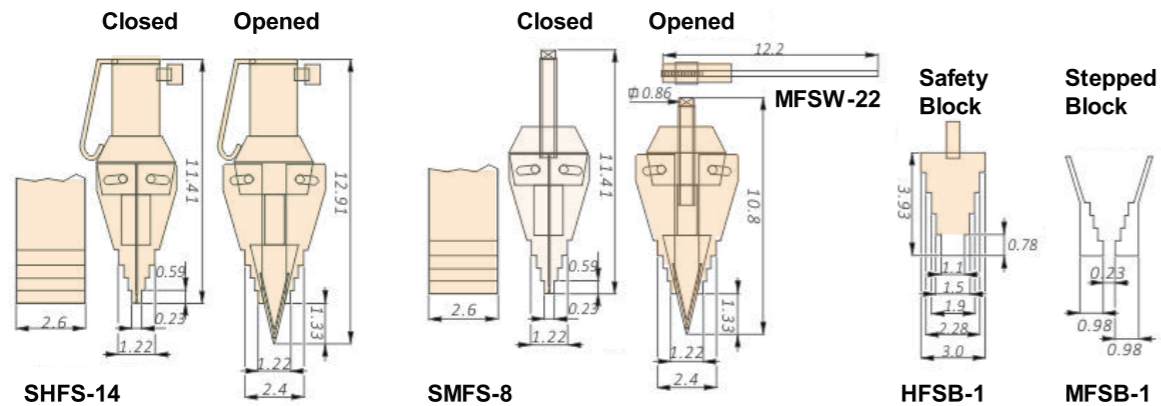
Selected gauge adaptor

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Safety Block and Stepped Block

Each flange spreader is equipped with a safety pad and stepped block which can increase the wedge opening up to 3.15inch.



Maximum Spreading Force ton (Max.)	Model Number	Tip Clearance (inch)	Maximum Spread (inch)	Spreader Type	Oil Capacity (in ³)	Weight (lbs)
14 (12.5)	SHFS-14	0.24	3.15	Hydraulic	4.8	16
8 (7.2)	SMFS-8	0.24	3.15	Mechanical	/	14

Tool Type and Functions	Series		Page
Hydraulic Professional Tools Summary			
Hydraulic Pusher	SHP		33
Ship Transportation Trolley	SVT		34
Synchronous Lifting System/Heavy Lifting Solution	LSF LSP		35-36

Hydraulic Professional Tools Summary

As required, AIPI provides professional hydraulic tools for various industries and applications. Provides a hydraulic pusher in orbit to realize the smooth movement of large weight. Provides hydraulic synchronous jacking system, develop all kinds of integrated hydraulic solutions. Provides hull transport vehicle and cost-effective equipment for long distance transport assembly of shipbuilding industry.

