



BOLTING SYSTEMS™

HYDRAULIC TECHNOLOGIES

FLS15 HYDRAULIC SPREADER

33,000 pound wedge-driven spreader



FLS15 HYDRAULIC SPREADER

Introducing the FLS15 Hydraulic Spreader

Bolting Systems is pleased to introduce the FLS15 hydraulic spreader. This unit is ideal for pipe and flange repair. It can also be used for removing elbows, gasket and metal seal replacement on couplers, heavy equipment maintenance, and many other tasks. The spreader is capable of developing up to 15 metric tons of force, is lightweight (only 7 lbs. [3.2 kg]), and easy to use due to its ergonomic design.

FLS15 Version
With Serrated shoes
Wedge Fully Opened



FLS15 Spreader

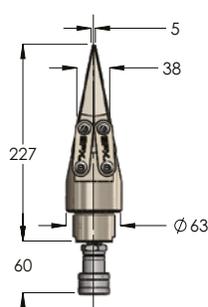
FLS15—ST Version
With Stepped Shoes
Wedge Closed



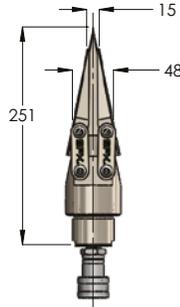
FLS15-ST Spreader

Features and Benefits:

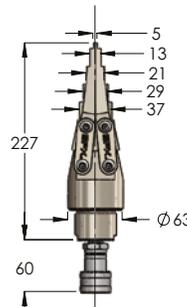
- 33,000 pound (15 metric ton) wedge-driven spreader
- Jaws fully supported by wedge for excellent durability
- Low friction provided by heavy-duty extended-life lubricant
- Ideal for flanges with narrow gaps - only .2 inches (5 mm) required for entry
- Very high strength due to special alloy used
- Compact and lightweight design - only 9.9 inches (252 mm) long at a weight of 7 pounds (3.2 kg)
- Easy to use - ergonomically balanced handle
- Suitable for the offshore environment due to superior corrosion resistance
- Quick adjustments for various tasks due to interchangeable shoes (both stepped and serrated)
- Easy and quick maintenance - no special tools required
- Includes female half coupler - mates to standard 3/8" male half coupler (9798).
- Both serrated- and stepped-shoe versions available



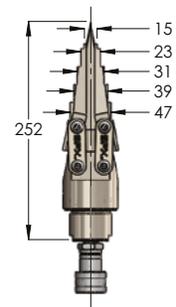
FULLY CLOSED



FULLY OPENED



FULLY CLOSED



FULLY OPENED

Note: Above dimensions are in millimeters (MM).

Item Number	Maximum Spreading Force	Minimum Tip Clearance	Maximum Tip Spread	Spreader Type	Oil Capacity	Weight	Maximum Operating Pressure
FLS15 or FLS15-ST	33,000 Pounds (15 Metric Tons)	.197 Inches (5 mm)	.59 Inches (15 mm)	Hydraulic	1 Cubic Inch (16 cc)	7 Pounds (3.2 kg)	10,000 psi (700 bar)

ORDERING INFORMATION

HYDRAULIC SPREADER FLS15

This hydraulic spreader operates using the integrated wedge concept. It is ideal for creating space for flange surface cleaning and repair, and for gasket replacement. The spreader is single-acting, and should be used with a hydraulic pump capable of holding pressure. Maximum operating pressure is 10,000 psi (700 bar).

Spreading force:

Maximum 33,000 pounds (15 metric tons) per tool at 10,000 psi (700 bar). It is recommended that the tools be used in pairs, providing a maximum combined force of 66,000 pounds (30 metric tons).

Typical Applications:

- Pipe and flange repair
- Removing elbows
- Couplers - gasket and metal seal replacement
- Heavy equipment maintenance

Available FLS15 Accessories:



Handle
Part Number 2008410



Stepped Shoe
Part Number 2008083*



Serrated Shoe
Part Number 2008082*



Stepped Block
Part Number SB15

*Part number is for one shoe only. Two shoes required per spreader.

Recommended complimentary power team components:



Pump

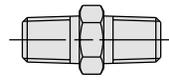
"Y" Manifold



Coupler



Female Half Coupler



Male Connector

Gauge



Gauge Adapter



Hose

RECOMMENDED COMPONENTS		
Description	Part Number (Americas & Asia)	Part Number (Europe)
Two Speed, Single-Acting Hand Pump	P19L	P19L
Hydraulic Hose Assembly	9764	9764E
Pressure Gauge	9040	9040E
Gauge Adapter	9670	9670
Coupler (male half coupler)	9798	9798
"Y" Manifold	9691	9691
Female Half Coupler	9796	9796
Male Connector, 3/8	9682	9682

Note: Torque wrench tools use smaller couplers. Do not attempt to use torque wrench hoses with this tool.

RELATED PRODUCTS



Hand Pumps



Hoses



Gauges

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