



# FRAC SLEEVE

## DESCRIPTION

The Magnum Frac Sleeve (MFS) is a ball activated shifting sleeve, typically used for diverting fluids to different sections of a well. It can be placed in a vertical or horizontal position. When the shifting ball is on the seat, the area below the MFS is immediately isolated, then applied pressure shifts the ball, ball seat, and inner sleeve down into the open position, thereby diverting fluid out the side ports. By utilizing different ball seat sizes and shifting ball, up to 11 DAFPS tools can be run in an assembly hookup.

## FEATURES

- Liner thread types can be threaded directly onto the tool
- A tong neck is included for ease of make-up
- Mill-able cast iron ball seat (frac hardened ball seats also available)
- Adjustable sleeve opening pressure
- 20 in<sup>2</sup> flow area (out ports) (4 1/2" Tool)
- Inner sleeve is rotationally locked (for mill-out of the ball seat)
- Once shifted open, the inner sleeve is "locked open"
- Tool OD is compatible with 5 1/2" open hole and larger
- 7/16" wall thickness at the ports



TOOL SIZE 4.500"		TOOL OD 5.375"		THREAD DESCRIPTION OPTIONAL	
SEAT SIZE	BALL SIZE	SEAT SIZE	BALL SIZE		
3.540	3.750	2.040	2.250		
3.290	3.500	1.795	2.000		
3.040	3.250	1.540	1.750		
2.790	3.000	1.290	1.500		
2.540	2.750	1.000	1.250		
2.290	2.500				