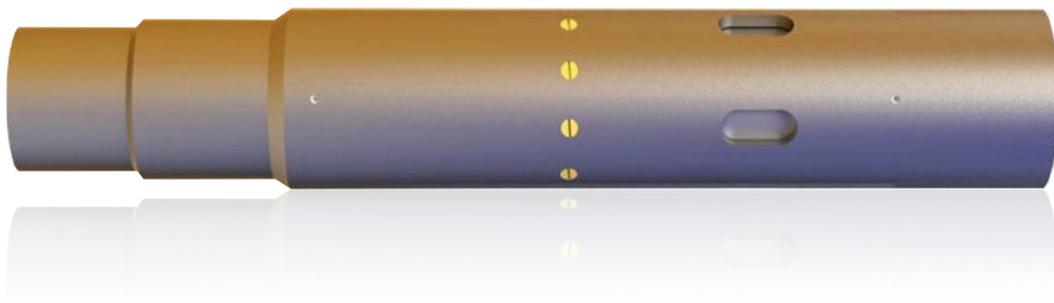


FRAC SLEEVE

SHFRAC FRAC SLEEVE

The SHfrac ball activated frac sleeve is designed for use in multi-stage fracturing operations within a horizontal wellbore.

Generally placed at equal distance and isolated between stages, this robust design allows for effective proppant placement in the wellbore through a series of exit ports. When RIH the valve is closed and is not affected by differential casing pressure until the ball has seated. By using specially sized frac balls each valve is shifted open in a set sequence that allows communication between the formation and casing. By performing individual staged fracs, a continuous operation can then be maintained.



SPECIAL FEATURES

- Cast Iron ball seat
- Non-rotational seat for drill out
- Full-bore after drill out
- Large exit flow ports
- Variable set opening pressure
- P110 material construction

CASING SIZE	TOOL OD (IN.)	TOOL ID (IN.)	OPEN PRESSURE MAX. (PSI)	EXIT FLOW AREA (IN ²)	W.P. (PSI)	MAX. TEMPERATURE °F
4 ½"	5.5	3.92	3,250	12.93	10,000	300
5 ½"	7.25	4.778	3,000	22.34	8,000	