

FracRight Toe Sleeve

Frac Sleeve for toe area of horizontal wells

The FracRight Toe Sleeve is a frac initiation sleeve designed for the toe area of horizontal wells.

Operation

TAQA's FracRight Toe Sleeve has a high pressure rating giving the operator the ability to test the casing annulus, then increase pressure to hydraulically open the sleeve. The tool can then be the first stage of the frac job through the large ports. The pressure setting to open the tool is adjustable by the use of a burst disc. A back-up shear system is incorporated into the tool to prevent early opening.

FracRight Toe Sleeve can be used in conjunction with all TAQA's FracRight products as well as common float equipment. Many different combinations of these can be used in conjunction with the FracRight Toe Sleeve.

Material port covers ensure that the ports are not filled with cement or other debris that could prevent the piston from opening. When the tool is activated, the covers are removed.

Features

- Simple design for cemented installations to open toe of well
- A wide range of sizes and pressure ratings available
- Large ports allow for first stage of the frac to be performed with FracRight Toe Sleeve

Benefits

- Can be used with a large variety of frac ports or plugs
- Eliminates coil tubing or tubing conveyed perforating costs
- Able to perform a casing integrity test before opening

Technical Specifications

Connection Size (Largest)		Maximum Tool OD		Minimum Tool OD		Working Pressure*		Torque Rating	Product Number
in	mm	in		in	mm	PSI	MPA	ft-lbs	
4½	114.30	5.688	144.8	3.563	90.50	13,300	91.70	16,000	T1019-45C-000
				3.719	94.46	10,000	68.95		T1019-45E-000
5	127.00	6.188	157.18	4.000	101.60	12,200	84.12	16,000	T1019-50A-000
				6.688	169.88	4.500	114.30		11,000
5½	139.70	6.750	171.45	4.125	104.78	14,600	100.66	20,000	T1019-55B-000
				4.500	114.30	7,900	54.47		T1019-55BE-000
				4.406	111.91	17,100	117.90		T1019-55C-000
				4.750	120.65	10,300	71.02		T1019-55CH-000
5½ special		5.750	146.05	3.563	90.50	13,600	93.77		T1019-55E-000
				3.781	96.04	9,200	63.43		T1019-55EF-000

