

Multi Reverse Spot Tool (MRST)

The Multi-Reverse Spot Tool provides a means of establishing communication between the annulus and the drill string. It has three functional positions: closed, reverse, and circulate, and may be run in the well in either the closed or reverse positions.

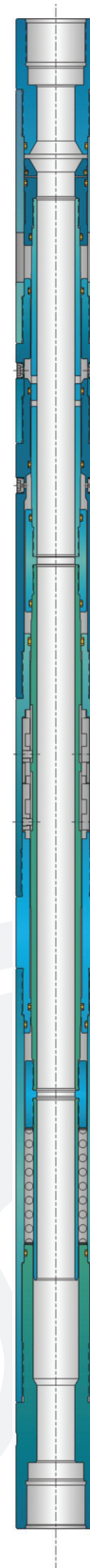
Specifications:

Working pressure	15,000 psi/103.42 Mpa
Working temperature (See note 1)	350°F/175°C
OD (in/mm)	5"/127mm
ID (in/mm)	2.25"/57.2mm
Upper thread connection	3 ¾" Stub Acme, 6 TPI
Lower thread connection	3 ¾" Stub Acme, 6 TPI
Tensile strength	350,000lb/155,600daN
Tensile strength at max working pressure	30,000lb/13,345daN
Tool length (in/mm)	138.2in/3510mm
Tool weight (lbs/kg)	575 lbs/ 261 kg
Service condition	H2S per Nace MR-01-75

Note 1: Working temperature can be increased by changing sealing configuration as follows:
Up to 400°F/204°C – Standard elastomers and premium back-up rings.

Operation:

The tool may be cycled as many times as required. It may be used to displace fluids before a test, to spot fluids (nitrogen or acid) and/or to reverse circulate recovered fluids from the drill string.



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