

Bullmastiff Screen Sub

The Bullmastiff™ screen sub MOS is installed as an integrated part of the lower completion string. Sand screens are installed in open-hole completions to filter out proppant and/or produced sands to maintain well integrity and boost production. The Bullmastiff screen sub remains closed during running and fracturing operations. Once the frac is complete and the frac sleeves are closed, the screen subs are opened by milling out the seats, moving the inner sleeves down which open the screens for production.

The Bullmastiff screen sub is used in conjunction with the Bullmastiff frac sleeve and Defender™ toe sleeve to create a frac system requiring minimum intervention and providing proppant and production sand control after the frac. This system saves time and water consumption with no delays between stages.

Applications

- Fracturing / stimulation
- Production
- Injection



Features

- Remains closed during frac operations
- Designed for open-hole applications
- Reduced completion costs
- More surface area to reservoir
- Filters out proppant and/or produced sands
- Long-term well productivity and efficiency
- Drillable cast iron ball seats for easy mill-out

Benefits

- Casing integrity maintained during run-in and fracturing operations
- Filters out abrasives to maintain well integrity and boost production
- Long lasting sand control
- Alternative to cemented plug-and-perf
- Multiple zones per well
- Maximizes reservoir contact

Technical data

Size	Screen sub version	Weight lb/ft (kg/m)	OD in. (mm)	Body ID in. (mm)	Mill-out ID in. (mm)	Burst psi (kPa)	Collapse psi (kPa)	Tensile lbf (daN)	Temperature rating °F (°C)	Flow area in. ² (cm ²)
4.5 (114.3)	MOS	Custom	5.500 (139.70)	3.286 (83.50)	3.500 (89.41)	13,069 (90,108)	10,000 (69,847)	300,300 (133,580)	350 (177)	5.180 (33.42)
4.5 (114.3)	MOS	18.9 (28.13)	5.600 (142.20)	3.286 (83.50)	3.500 (89.41)	14,678 (101,201)	12,712 (87,646)	405,350 (180,309)	350 (177)	1.450 (9.35)
4.5 (114.3)	MOC	13.5 (20.09)	5.750 (146.05)	3.920 (99.57)	N/A	11,870 (81,841)	10,000 (69,847)	299,959 (133,428)	350 (177)	7.854 (50.67)

Notes:

- Lengths and weight may vary depending on end sub threading and screen length.
- Other premium connections available on request.
- MOS indicates mill-out shiftable; MOC indicates multi-open/close