

Bullmastiff Screen Sub

The Bullmastiff™ screen sub 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 the cast insert or shifting the inner sleeves down opening the screens for production. The screen subs can be closed in case of zonal water or gas breakthrough in a specific stage in the future.

The Bullmastiff screen sub is used in conjunction with the Bullmastiff frac and toe sleeves 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
- Proppant and sand production control
- Injection



Features

- Modular design with slip-on or direct wrap screens
- Remains closed during frac operations
- Designed for open-hole applications
- Filters out proppant and/or produced sands
- Long-term well productivity and efficiency
- Drillable cast iron ball seats for easy mill-out
- Multi-open close functionality

Benefits

- Casing integrity maintained during run-in and fracturing operations
- Filters out abrasives to maintain well integrity and boost production
- Long lasting sand control
- Multiple zones per well
- Multiple screens can be run in one stage
- 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 rating psi (kPa)	Collapse rating psi (kPa)	Tensile rating 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