

## Accessories

### CMS Pump Out Plug

The Pump Out Plug is used as a temporary plug to seal off pressure below the packer. The pump out plug holds pressure from above and below and can be adjusted on location before running. The pump out plug is removed by the application of pump pressure to the tubing string and when sheared out allows the tubing to be full opening below the packer. The pump out plug may be ordered with flat bottom, bullet nose or a threaded bottom to allow tubing or a plug catcher sub to be run below the pump out plug.

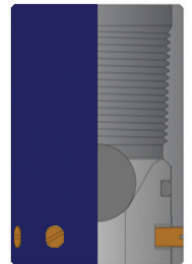


CMS PUMP-OUT PLUG		
SIZE INCHES <i>mm</i>	MAX OD INCHES <i>mm</i>	MIN ID INCHES <i>mm</i>
2.375 60,33	3.062 77,80	2.000 50,80
2.875 73,03	3.750 95,25	2.500 63,50
3.500 88,90	4.500 114,30	3.00 76,20

### CMS Expendable Seat Sub

The Expendable Seat Sub is used to temporary plug the production string with the use of a setting ball. The well may be circulated until the ball is dropped to seat in the expendable seat sub. Pressure is applied to the tubing string shearing the shear screws and releasing the expendable seat.

NOTE: The expendable seat will drop to bottom of well bore when released. The expendable seat sub should not be run above any other production tools.



SIZE INCHES <i>mm</i>	MAX OD INCHES <i>mm</i>	SEAT ID INCHES <i>mm</i>	BODY ID INCHES <i>mm</i>
2.375 60,33	3.250 82,55	1.000 25,00	2.000 50,80
2.875 73,03	4.250 107,95	1.187 30,00	2.500 63,50
3.500 88,90	4.500 114,30	1.187 30,00	3.00 76,20