

# PUMP-OFF BIT SUB

## INNOVATION REVEALED

The **Magnum Pump-Off Bit Sub** is used to drill composite bridge plugs or other down-hole items. This tool has a one-way check valve in the lower portion of the tool. After completing the drilling/milling of the down-hole item, a ball is then dropped from surface and pumped to a ball seat in the bit sub. After pressure is applied, the piston is sheared, travels downward releasing the lower half of the bit sub leaving the well open-ended ready for production.

## FEATURES

- Uses 1.25" chrome balls
- Shear screws pressure setting
- Pressure rated for 10,000 psi
- Adapts to any bit or mill
- Ball must be dropped to separate tool
- Anti-Rotation Lugs
- Economical, Simple, Safe, and Reliable

## TOOL OPERATIONS

The **Magnum Pump-Off Bit Sub** allows the tubing to be open-ended after the drilling or milling operation. The Magnum Pump-Off Bit Sub is run in conjunction with a bit or mill and run to bottom of the well. After the drilling or milling operation is complete, the tubing is raised off bottom and a 1.250" chrome ball bearing is dropped from surface. After allowing the ball to properly seat in the tool, pump pressure is applied to the 1.250" chrome ball to insure seating procedure. Once downward pressure is applied, pins are sheared shifting the piston, releasing the lower half of the bit sub into the rat hole, which opens tubing for production.



Patent Pending

TOP CONNECTION	BOTTOM CONNECTION	MAX O.D.	MIN I.D. WORKING I.D.	MINIMUM I.D. AFTER RELEASE	LENGTH	WEIGHT	MAXIMUM SHEAR PRESSURE
2-3/8" 8RD (60.0mm)	2-3/8" API REGULAR (60.0mm)	3.060" (77.7mm)	0.750" (19.1mm)	1.781" (45.2mm)	17.060" (433.3mm)	28 LBS (12.7 Kgs)	3,600 PSI (24.8 MPa)
2-7/8" 8RD (73.0mm)	3.670" (93.2mm)	3.670" (93.2mm)		2.125" (54.0mm)	18.130" (460.5mm)	34 LBS (15.4 Kgs)	



**MagnumOilTools.com**

@North America: (361) 299.6333 @International: +1 (361) 299.6333 (GMT / -6)  
5655 Bear Lane, Suite 100, Corpus Christi, TX USA 78405