

ST3 Bearing Pack (Series 36)

The ST3 bearing pack technology offers high torque capacity as well as exceptional axial and radial support for the most demanding applications. Proven to be the best bearing technology for air drilling, the ST3 is fully sealed with 100% of the drilling fluid passing through to the bit and no loss through flow restrictors, extending motor bearing life and maximizing bit hydraulics.

Features

- Sealed, oil-lubricated bearing assembly
- 100% flow to bit – no bypass
- Ultra-duty bearing mandrel for high torque power sections
- Pin-down bearing mandrels available
- Optional *BlackBox™* data recorder pocket on bearing mandrel
- Ball-type ultra-duty driveshaft assembly

Benefits

- 100% of the fluid flows through the bit which yields better bit life and hole cleaning
- Increased ROP
- Ideal for rotary steerable applications (RSS)
 - Full flow to power rotary steerable
 - No signal loss when running MWD pulser below motor
- Handles abrasive drilling fluids better - no flow restrictor wear - thus less expensive to service

Applications

- Vertical drilling
- Curve drilling
- Lateral drilling
- Air drilling
- Rotary steerable (RSS)

Technical Specifications

Size	5"	5½"	6½"	7"	8"	9½"	11¼"
Bit to Center of Stabilizer	20"	20"	28"	24"	36"	43"	43"
Bit to Bend	61"	64"	77"	76"	87"	98"	105"
Bit to Stator	79"	82"	98"	96"	108"	120"	135"
WOB @ 100 RPM (lbs)	53,000	44,000	90,000	98,000	128,000	213,000	216,000
Bottom Connection	3½" REG	3½" REG	4½" REG	4½" REG	6½" REG	6½" & 7½" REG	7½" & 8½" REG

