

Impulse Technology Vector Series 36Ei/36i Performance Drilling Motor

The Impulse Technology creates an axial impulse directly at the bit. Offering the same high torque capacity and exceptional axial and radial support as our Vector™ Series 36 drilling motor, it succeeds in the most demanding applications. The fully sealed performance drilling motor provides 100% flow to the bit, maximizes bit hydraulics, and allows for use in air drilling applications.

A 100% mechanical system creates the impulse via low-amplitude axial motion, increasing drilling efficiency, and allowing the bit to maintain constant contact with the formation. The system requires no added pressure drop and is compatible with MWD systems.

Features and Benefits

- Low-amplitude axial motion generated directly in the BHA
- Mechanism disengages when the bit is off-bottom; minimum WOB required to activate
- Sealed, oil-lubricated bearing assembly
- 100% flow to bit – no bypass
- Ultra-duty bearing mandrel for high torque power sections
- Improved stick-slip mitigation and weight transfer
- Increased ROP

Applications

- Vertical drilling
- Curve drilling
- Lateral drilling
- Air drilling

Technical Specifications

Size	5 in.	5 ½ in.	6 ¾ in.	8 in.	9 ¾ in.
Bit to Center of Stabilizer	20 in.	20 in.	24 in.	36 in.	43 in.
Bit to Bend	61 in.	64 in.	76 in.	87 in.	98 in.
Bit to Stator	79 in.	82 in.	96 in.	108 in.	120 in.
WOB @ 100 RPM	53,000 lbs	44,000 lbs	98,000 lbs	128,000 lbs	213,000 lbs
Bottom Connection	3 ½ in. Reg	3 ½ in. Reg	4 ½ in. Reg	6 ¾ in. Reg	6 ¾ in. & 7 ¾ in. Reg

