

PDC BOOSTER Bit Technology

Supercharged Drilling Efficiency

PERFORMANCE WITHOUT CONCESSIONS:

PDC Booster drill bits are perfectly designed to enhance rate of penetration (ROP) without trade-offs, decoupling the relationship between more weight (WOB) and faster drilling. These bits reduce well construction costs by improving drilling performance in applications where traditional PDC designs compromise performance for more energy to the bit.

The proprietary design philosophy (patent-protected) supports back and side rake changes when moving down the blade from inward pointing to outward pointing positions. The "booster" effect initiates when the appropriate blend of back and side rakes are applied to the rock.

IMPROVE DRILLING SPEED AND EFFICIENCY:

PDC Booster drill bits deliver both greater ROP performance and stability - improving overall drilling efficiency in complex intervals and challenging drilling environments.

- Gaining ROP with the same WOB or sustaining ROP with lower WOB enables greater output when well issues create WOB limitations, such as extended reach laterals.
- Proven to mitigate downhole vibration in the form of HFTO (high frequency torsional oscillation), reducing cutter and BHA component damage events.
- Injected with Venom shaped cutter technology, PDC Booster demonstrates increased abrasion resistance and thermal stability with greater resistance to impact damage.

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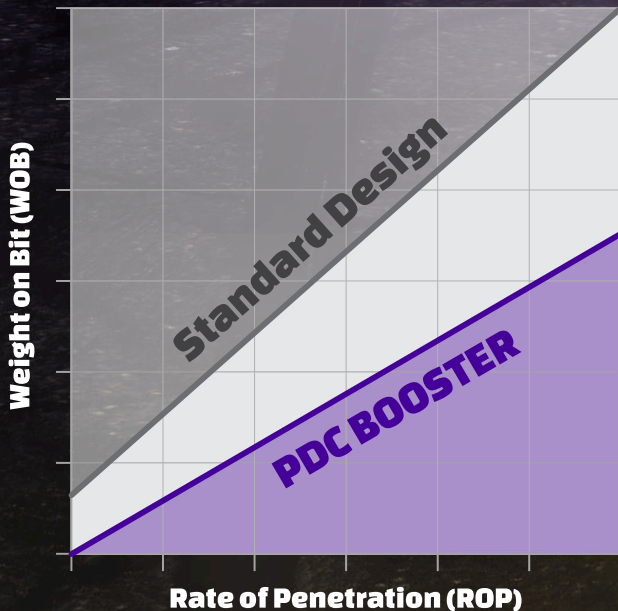
Supercharged Drilling Efficiency

A Proven Choice for Maximizing Bit Performance

- Achieve more ROP with less WOB.
- Preserve product reliability and reduce damage
- Save time and money with more efficient drilling operations.

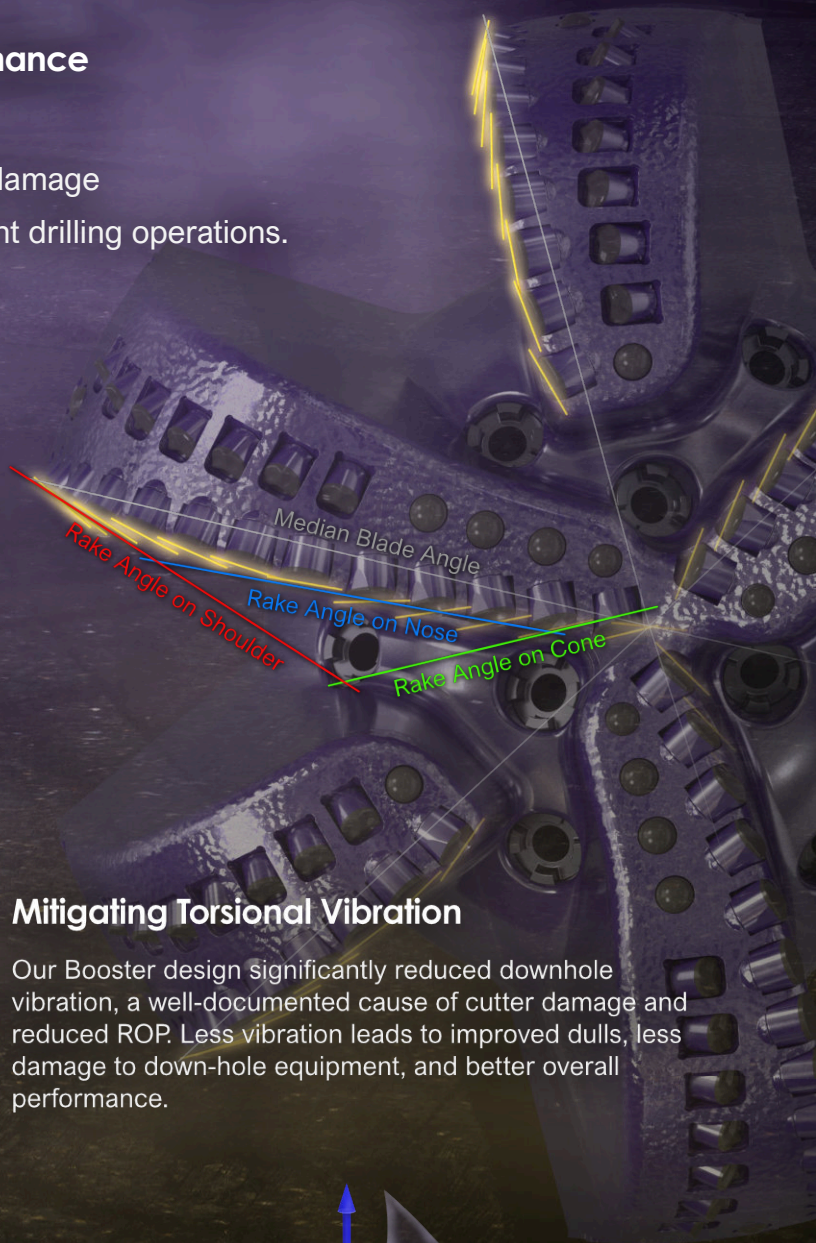
Performance Without Trade-offs

Experience unparalleled drilling efficiency with our PDC Booster cutting structure. This innovative design alters the ROP to WOB relationship, allowing for more ROP at the same WOB or the same ROP with lower WOB. The result delivers a sustaining high ROP even when well conditions limit WOB, such as in extended reach laterals.



Proven Design Philosophy

Our cutting structure is based on a proven design philosophy, incorporating side rakes that transition from inward to outward pointing as you move down the blade. This innovative approach has shown consistent results in improving drilling efficiency and reducing equipment wear.



Mitigating Torsional Vibration

Our Booster design significantly reduced downhole vibration, a well-documented cause of cutter damage and reduced ROP. Less vibration leads to improved dulls, less damage to down-hole equipment, and better overall performance.

