CoreXL 4.5™
4-1/2” OD Core

Natural rock characteristics such as unconsolidated, fractures, and lack of cementation create a unique challenge to the mechanics of whole core acquisition, often creating a negative impact on recovery and efficiency.

CoreXL 4.5 - 4 1/2” OD Core technology addresses these challenges by increasing column strength and reducing drilling dynamics dysfunction.

Tool Applications

- Fissile/friable/fragile formations susceptible to induced fracturing (ex. shale)
- Jam prone applications
- Natural fracture analysis
- Long or short barrel configurations
- Offshore or land
- Deviated or horizontal wellbores
- Oriented coring

Features and Benefits

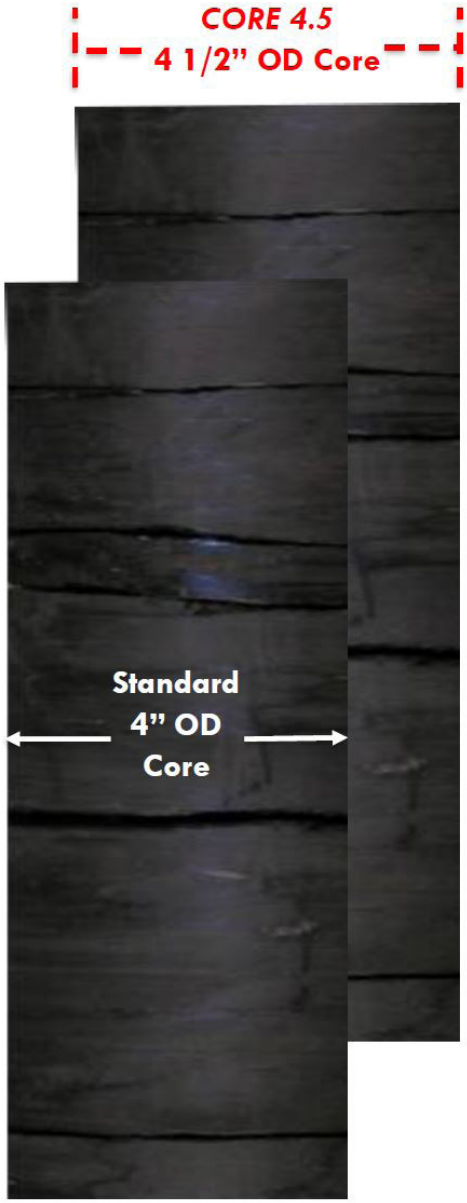
12.5 increase of core surface area

- Improved column strength
- Greater volume of rock to sample
- Improved drilling fluid invasion exclusion from fluid saturation plugging process
- Allows larger plugs to be cut from core
- Better “average” representative value for analyzing fluid flow capabilities

Reduced Bit Kerf Area

- Less formation removal
- Decreased energy required to shear the rock
- Increased ROP
- Less torque generated
- Lower vibration

Easily integrates within our Sensored Core Barrels



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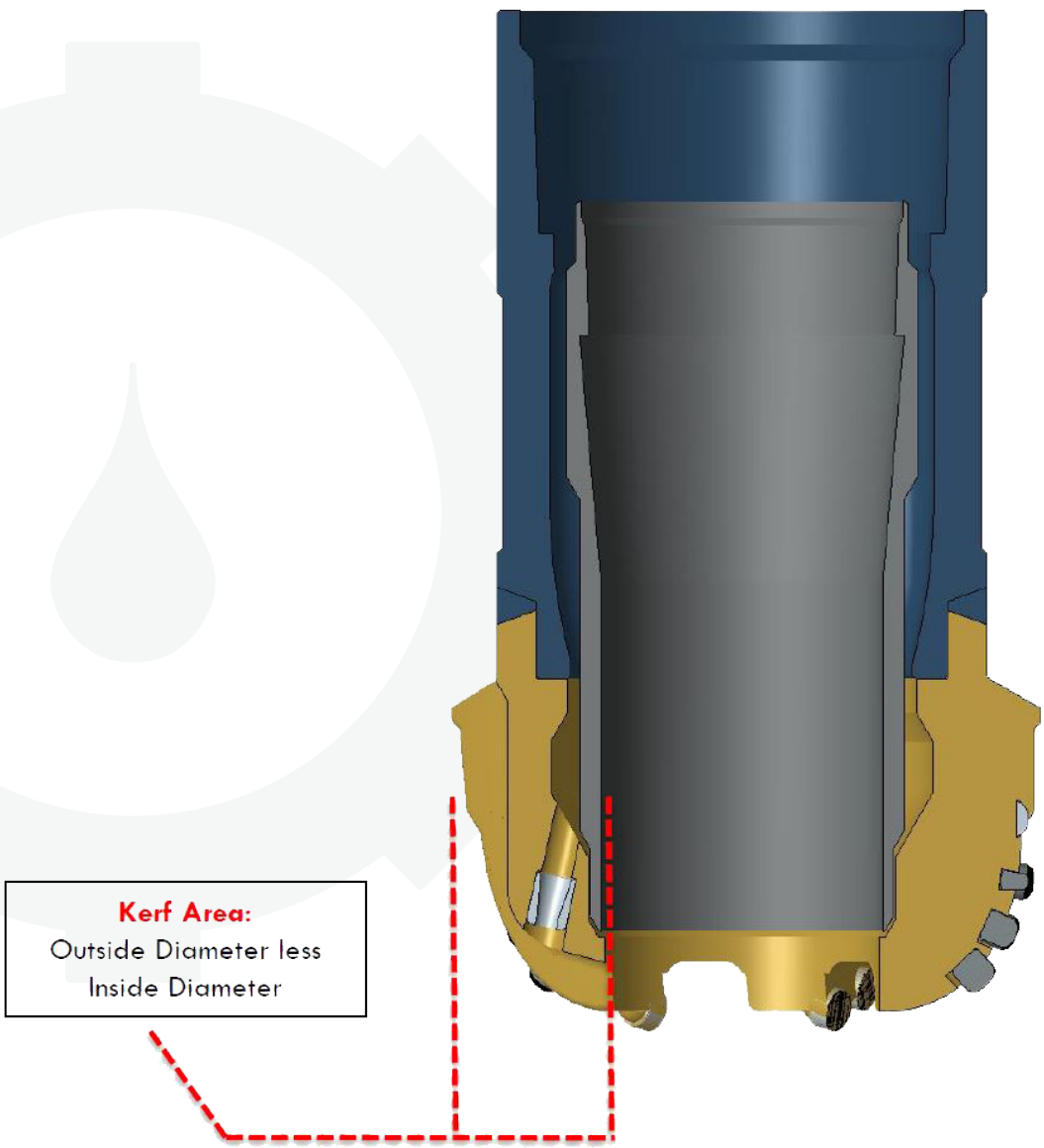
Kerf Area Reduction

Kerf Area is the “cutting area” of the core bit. A smaller core-to-hole ratio typically yields better core quality and recovery as the core is susceptible to less vibration, shock, and drilling fluid erosion.

A 7-7/8” x 4-1/2” OD or 6-1/4” x 3-1/2” OD core is recommended for the above mentioned reasons, and to reduce agitation or dysfunction to the formation.



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