



TURBOBLADE™

Premium Solid Casing Centralizers

Stronger body ✦

Cleaner well ✦

Better cementation ✦



TURBOBLADE™

Premium Solid Casing Centralizers

Deep Casing Tools specializes in the design and manufacture of high quality casing and completion tools.

Our best in class centralizer is guaranteed to provide casing stand-off whatever the deviation. Proven to generate 25 times more turbulence to carry drilling debris up and out of the hole, the **Turboblade™** is used extensively by leading oil companies around the world. The unique, patented, double helix array of blades are specifically designed to generate enhanced turbulence for superior hole cleaning and hence excellent cementation.

Features & Benefits

- A guaranteed stand-off >80% across the entire range - it will not collapse
- 25 times more turbulence - double helix blade array and engineered blade profile for optimal hole cleaning
- A single casting from heat treated alloy steel (no welds) - hard but not brittle and withstands tough handling to allow fitting onto the pipe prior to mobilization to well site
- Lowest coefficient of friction 0.14 from a steel product
- Stop collar capacity to API - 10D



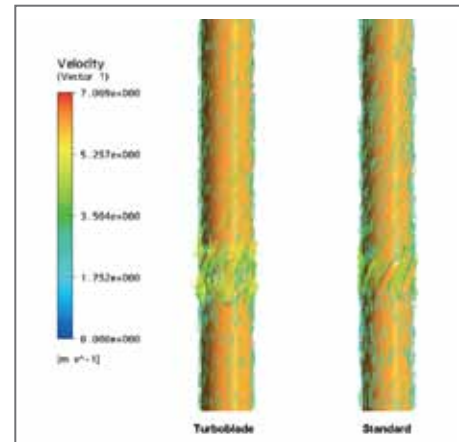
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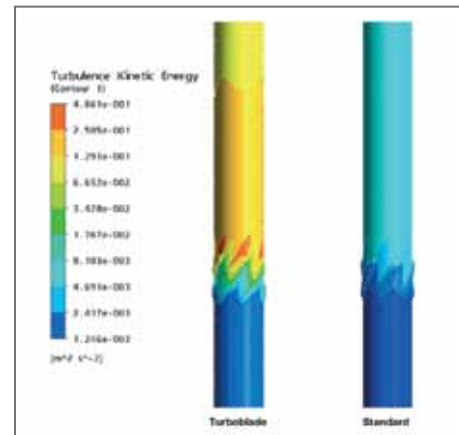
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25 TIMES MORE TURBULENCE

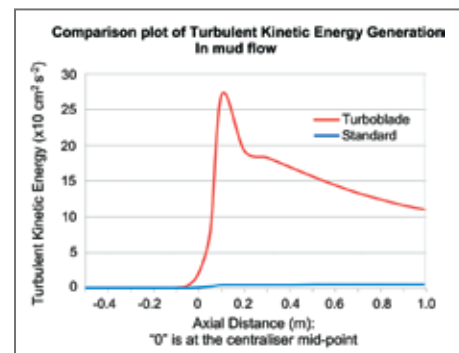
CFD studies demonstrate turbulence and swirl at and above the **Turboblade™**, to carry drilling debris up and out of the hole.



In quantitative terms the **Turboblade™** generates 25 times more turbulence than a standard product in mud flow.



Great benefits in hole cleaning further enhanced when the casing is reciprocated prior to cementing.



Turboblade™

Standard & custom sizes available