

Z1000S

Z-REAMER

The Z-Reamer is a compact block-type underreamer featuring advanced reaming capabilities. Due to its short size and hydraulic activation, it can be run either above MWD/LWD strings or below, as a near-bit/rathole reamer. This versatility makes it usable in a wide range of applications, providing reliability and performances even in challenging operations.

PDC cutter sizes can be matched to the bit for a wide range of formations and applications.

Advantages

- Compact size, can be run directionally near-bit.
- Largest opening range among block-type PDC underreamers.
- Choice between fully hydraulic activation and ball drop.
- Fully pass-through internal diameter.
- Simple and reliable expanding/retracting mechanism (No Lock™).
- Long cutting blocks featuring dense cutting structures and long gauges.
- Joint bit and cutters design for matching cutting structures.
- Backreaming capability.

Specifications

Max. body OD (hardfaced)	10"	254 mm
Shoulder-to-shoulder length (A)	64.64"	1,642 mm
Blade-to-bottom length (B)	31.89"	810 mm
Blade length (C)	10.51"	267 mm
Fishing neck length (D)	18"	457 mm
Fishing neck OD	8 1/4"	210 mm
Top thread	6 5/8" API REG Box	
Bottom thread	6 5/8" API REG Pin	
Min. ID (operating)	2.27"	58 mm
Total weight (w. std. cutters)	863 lbs	392 kg

Operating Parameters

Min. pilot hole size	10 1/8"	260 mm
Opening range	10 1/2" – 14"	267 – 356 mm
Collapsed diameter	10"	254 mm
Max flow rate	1800 GPM	6,800 lpm
Min operating pressure	150 PSI	10 bar
Max operating temp. (std. seals)	392 degF	200 degC

