

Z600S

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)	5 3/4"	146 mm
Shoulder-to-shoulder length (A)	38.74"	984 mm
Blade-to-bottom length (B)	19.44"	494 mm
Blade length (C)	7.73"	195 mm
Fishing neck length (D)	10.16"	258 mm
Fishing neck OD	5"	127 mm
Top thread	3 1/2" IF Box	
Bottom thread	3 1/2" IF Pin	
Min. ID (operating)	1.10"	28 mm
Total weight (w. std. cutters)	180 lbs	82 kg

Operating Parameters

Min. pilot hole size	5 7/8"	149 mm
Opening range	6 1/4" – 8 1/2"	159 – 216 mm
Collapsed diameter	5 3/4"	146 mm
Max flow rate	450 GPM	1,700 lpm
Min operating pressure	150 PSI	10 bar
Max operating temp. (std. seals)	392 degF	200 degC

