

Z850H

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)	8 1/4"	209.5 mm
Shoulder-to-shoulder length (A)	42.9"	1,089 mm
Bit-to-blade length (B)	24.8"	630 mm
Blade length (C)	10.5"	267 mm
Top thread	4 1/2" API REG Pin	
Top shank OD	6"	152.4 mm
Bottom thread	4 1/2" API REG Box	
Min. ID (operating)	1.5"	38 mm
Total weight (w. std. cutters)	418 lbs	190 kg

Operating Parameters

Min. pilot hole size	8 3/8"	212.7 mm
Opening range	8 1/2" – 12 1/4"	216 – 311 mm
Collapsed diameter	8 1/4"	209.5 mm
Max flow rate	900 GPM	3,400 lpm
Min operating pressure	150 PSI	10 bar
Max operating temp. (std. seals)	392 degF	200 degC

