

Z783H

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)	7 3/4"	197 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)		

Operating Parameters

Min. pilot hole size	7 7/8"	200 mm
Opening range	8" – 11 1/2"	203 – 292 mm
Collapsed diameter	7 3/4"	197 mm
Max flow rate	900 GPM	3,400 lpm
Max rotation speed	200 RPM	200 RPM
Min operating pressure	150 PSI	10 bar
Max operating temp. (std. seals)	392 degF	200 degC

