

Z1225H

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)	11 3/4"	298 mm
Shoulder-to-shoulder length (A)	55.63"	1,413 mm
Bit-to-blade length (B)	29.88"	759 mm
Blade length (C)	16.06"	408 mm
Top thread	6 5/8" API REG Pin	
Top shank OD	8 1/4"	209.6 mm
Bottom thread	6 5/8" API REG Box	
Min. ID (operating)	2.27"	57.7 mm
Total weight (w. std. cutters)	1,026 lbs	466 kg

Operating Parameters

Min. pilot hole size	11 7/8"	301.6 mm
Opening range	12 1/2" – 17 1/2"	317 – 444 mm
Collapsed diameter	11 3/4"	298 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

