

UltraShock

Introducing UltraShock, Black Diamond's premier downhole shock tool designed to revolutionize your drilling operations through the reduction of all types of downhole shock and vibration. Engineered for durability, cost-effectiveness, and versatility, while offering the largest array of sizes, UltraShock stands as a pinnacle in the market. Engineered to excel in wide ranges of WOB and RPM, UltraShock delivers success and cost savings in all drilling environments.

Features and Benefits

- **Vibration Mitigation:** Isolates bit induced axial vibration from drillstring which reduces lateral and torsional drillstring vibrations.
 - **Effective Bit-Formation Contact:** Reduction in impact loading through optimum load/ deflection characteristics of Belleville springs.
 - **Elevated ROP:** Maintains bit contact, reduces bit bounce and allows optimal bit RPM,
 - **Extended Bit & Bearing Life:** Reduced impact loads extends functional bit & motor life and so reduces number of bit trips.
 - **Pressure Balanced:** Eliminates effects of hydrostatic pressure and pump open forces ensuring effectiveness with any combination of bit weight or circulating pressure.
 - **BHA & MWD Damage Prevention:** By mitigating harmful vibration UltraShock ensures accuracy and operation of high-tech BHA components.
 - **High Temperature Standard:** 160 °C/ 340 °F seals standard in all UltraShock tools.
- **Axial Compressibility & Lateral Rigidity:** Low friction torsional drive allows free vertical stroke while three point supports minimize lateral deflection.
 - **Drill Collar & Pipe Protection:** Reduced wear and connection stresses on entire drillstring.
 - **Wellbore Quality:** Effective cutting, and reduction in shock, maintains wellbore integrity.
 - **Surface Equipment Shock Dampening:** Harmful shocks and vibrations are not transmitted to surface, thus protecting all surface hardware.



UltraShock Specifications

Nominal OD ¹ (in.)	Length (ft)	Thru Bore (in.)	Tensile Yield (lbs)	Torsional Limit (lbf-ft)	Pump Open Area (in. ²)	Weight (lbs)
3 3/8	7.9	1.00	102,000	7,300	5.94	225
3 1/2	8.6	1.00	263,000	7,300	5.94	234
4 3/4	10.7	1.50	561,500	20,000	11.0	540
5 1/4	12.0	2.25	600,000	29,100	14.2	670
6 1/4	11.7	2.25	926,600	37,900	19.6	1,000
6 1/2	11.6	2.25	960,000	39,500	19.6	1,030
6 3/4	11.5	2.75	837,400	46,400	21.6	1,100
8	11.9	2.75	1,378,800	82,200	30.6	1,690
9	12.3	3.00	1,502,000	96,200	38.5	2,220
9 1/2	12.3	3.00	1,209,000	131,000	41.3	2,500
10	12.3	3.00	1,246,500	132,300	41.3	2,680
11	12.0	3.00	1,628,300	225,600	63.6	3,240
12	12.0	3.00	1,628,300	227,900	63.6	3,900
14	14.0	3.00	2,500,000	361,900	78.5	5,600

¹Other sizes available on request

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LOCATIONS



USA

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Broussard, LA 70518
1.337.359.1994

BLACK DIAMOND CONROE

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Conroe, TX 77306
1.936.441.1480

BLACK DIAMOND MWD

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1.936.202.2889

BLACK DIAMOND WEST TEXAS

3510 N. County Rd 1148
Midland, TX 79705
1.432.689.0076

CANADA

BLACK DIAMOND EDMONTON

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Edmonton, AB T6N 1LY
1.780.440.4220

GUYANA

BLACK DIAMOND GEORGETOWN

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East Bank Demerara
Georgetown, Guyana

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BLACK DIAMOND VILLAHERMOSA

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MIDDLE EAST

BLACK DIAMOND ABU DHABI

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