

SHOCK TOOLS

→ Shock tool is engineered to dampen drill string vibrations caused by drilling. The shock tool design guarantees efficient operation under various combinations of impact loads on the bit and pressure drops in a drilling fluid.

FEATURES

- Reliable belleville disk springs are used to reduce the vibration and ensure optimum tool rigidity and allow high impact loading to be applied to the shock tool
- Splined connection between the housing and the shaft effectively transmits torque during rotary drilling
- For maximum effectiveness, the shock tool should be placed above the mud motor during sliding and above the bit during rotary drilling
- Reduces impact loading on the bit to extend bit life and enhance reliability of drilling tools
- Reduces wear and tear on rig and equipment
- Shorter well construction period
- Reduces torsional and lateral drill string vibrations
- Reduces fatigue failures on drill collars and drill pipe
- Suitable for use in temperatures to

248°F
(120°C)

With optional seals available for temperatures up to

356°F
(180°C)

Nominal OD (inch)	Length (ft)	Thru Bore (inch)	Tensile Yield (lbs)	Pump Open Area (inch ²)	Torsional Limit (ft-lbs)	Approx. Weight (lbs)
3,38	7,9	1,00	102 000	5,9	8 000	225
3,50	7,8	1,00	239 000	5,9	10 000	230
4,75	10,7	1,25	561 500	11,0	20 000	540
6,25	11,7	2,25	926 000	19,6	37 900	1 000
6,50	11,6	2,25	960 000	19,6	39 500	1 030
6,75	11,5	2,75	837 400	21,6	46 400	1 100
8,00	11,9	2,75	1 378 800	30,6	104 600	1 690
9,00	12,3	3,00	1 502 000	38,5	125 000	2 220
9,50	12,3	3,00	1 209 000	41,3	131 000	2 250
10,00	12,3	3,00	1 246 500	41,3	132 300	2 680
11,00	12,0	3,00	1 628 300	63,6	225 600	3 240
12,00	12,0	3,00	1 628 300	63,6	345 400	3 900
14,00	14,0	3,00	2 500 000	78,5	520 600	5 600