

BEAST-SHOCK



*“The New Revolution Shock Tool”*

BEAST-SHOCK is a patented new generation of shock tool design which provides both Shear and Compression loads simultaneously bringing a revolutionary drilling aid without allowing any recoil that is normally experienced with Bevel Spring Shock Tool. The BEAST always provides a 100% drilling face contact. The BEAST also eliminates any delays which are experienced while using a Gas or Hydraulic Tools are used.

BEAST-SHOCK provides significant reduction in drill bit hopping or sidetracking due to offset bouncing while drilling through hard formations. The BEAST applications include drilling with high or low RPMs and various WOB in both vertical and horizontal drilling. The BEAST is designed with internal shaft seals providing a self-sealing tool even when it has loads applied.

BEAST-SHOCK assists with bottom hole liquefaction control caused by vibration harmonics that have been proven to stack heavy mud particles on top of each other. The BEAST is designed with a suction device that reduces liquefaction mud sticking by transforming the harmonic waves into heat and holding it inside the DURO rubber pads.

BEAST-SHOCK can handle drill bit loads as much as five times that of other shock tools, allowing a soft face drilling shock which reduces bit cone failure, chipped PCD bits, carbide dome, Tri Cone or chip scale.

BEAST-SHOCK increased ROP due to 100% formation contact makes the BEAST the downhole vibration tool of the future as the BEAST not only affects the drill bit but also the drilling mud, reducing vertical and horizontal BHA sticking. The BEAST is designed to remove and eliminate the destructive shock waves that generate so many failures in the drilling process. The entire drill string as well as tool joints will see far less harmonic wave destruction, increasing bit life and reducing bit trips which reduces rig time and saves money.



## SPECIFICATIONS

DESCRIPTION	MODEL VST72	MODEL VST73	MODEL VST74	MODEL VST75	MODEL VST76	MODEL VST77
OD	6-1/4"	6-1/2"	7"	8"	9"	11"
ID	2-1/4"	2-1/4"	2-1/4"	2-1/4"	2-3/4"	3-1/4"
Length	15'	15'	15'	15'	15'	15'
Tool Joint	4 IF	4 IF	4-1/2 IF	6-5/8 REG	6-5/8 REG	8-5/8 REG
Compression Max Load	100,000 lbs	100,000 lbs	125,000 lbs	125,000 lbs	175,000 lbs	175,000 lbs
Max Pull Loads	350,000 lbs	350,000 lbs	500,000 lbs	500,000 lbs	500,000 lbs	600,000 lbs
Max Shear	25,000 foot lbs	25,000 foot lbs	45,000 foot lbs	45,000 foot lbs	75,000 foot lbs	75,000 foot lbs

**US Patent : 9,334,698 B2**