



## SERIOUS PROTECTION FOR YOUR TOOL STRING

THE STABIL DRILL SHOCK SUB IS A HEAVY-DUTY DOWNHOLE SHOCK TOOL CAPABLE OF ABSORBING DEFLECTIONS BOTH UPHOLE AND DOWNHOLE. DESIGNED BASED ON A WIDE VARIETY OF OPERATING EXPERIENCE, THE SHOCK SUB SPECIALIZES IN PROTECTING YOUR TOOL STRING FROM HARMFUL VIBRATIONS WHILE KEEPING YOUR OPERATION ON TRACK FOR SUCCESS.

### HIGH-PERFORMANCE PROTECTION

The Stabil Drill Shock Sub can be run in every condition, absorbing vibrations with all combinations of weight on bit, bit pressure drop, mud weight and hole depth in any formation and matching temperature application. By placing the sub immediately above the bit, the Shock Sub minimizes the amount of unsprung mass below the tool to give ample room for deflection against oncoming impacts. To optimally dampen unwanted axial vibrations, the shock tool should have the same degree of stabilization on either end.

### HEAVY-DUTY COMPONENTS

The Stabil Drill Shock Sub is built with Key Belleville springs, brass and molly guard wear rings, Teflon backups and Nitrile seals. The Shock Sub supports Viton and Geothermal replacement seals for high-temp conditions, and the tool is lubricated with 90-weight gear oil with the option of using synthetic oils in high-temp operations. Additionally, all Stabil Drill Shock Subs can be bored for float valves, completely eliminating float subs on bit.

### READY FOR DELIVERY

Our locations are fully stocked with Shock Subs and ready for your order. Want to skip out on multiple trucking invoices? Stabil Drill has such a large inventory of Shock Subs on hand that we're able to provide multiple tools on location—delivered when and where you need them, every time.

### READY FOR DEPLOYMENT

At Stabil Drill, our tools are always fully inspected and redressed after every single use. Each of our locations also have a large inventory of spare parts, so you can be sure that our Shock Sub fleet is in top working order and ready for deployment.

		SPECS			
TOOL SIZE	UOM	4-3/4	6-1/2	8	9-1/2
TOOL ID	IN	1-1/2	2-1/4	2-1/2	2-13/16
OVERALL LENGTH	IN	108	144	156	168
FISHING NECK LENGTH	IN	108	144	156	168
LOAD AT MAXIMUM COMPRESSION	LBS	49,300	77,300	121,500	193,000
MAXIMUM OVER PULL AT YIELD	LBS	253,600	316,200	545,300	1,054,300
MAXIMUM TORSIONAL LOAD (TO YIELD BODY CONN.)	LBS	10,600	41,600	56,400	83,240
SPRING TRAVEL (EACH)	IN	0.042	0.087	0.11	0.16
PUMP OPEN AREA	IN	7.9	14.86	19.18	35.15
MAXIMUM OPENING TRAVEL	IN	1.5	1	1.93	3
MAXIMUM CLOSING TRAVEL	IN	1.5	2.25	2.3	2.65
TOTAL TRAVEL PER TOOL SIZE (SERIES)	IN	1.26	2.436	3.08	3.04

**STABILDRILL**

— SPEC SHEET —

**DOWNHOLE SHOCK SUBS**

