

ST5 | Shock Tool

The ST5 shock tool can be used in a wide variety of drilling conditions to increase bit life and penetration rates as well as isolate the BHA from the non-uniform motion of the drill string while keeping the bit on bottom. This tool comes in standard and PDC settings for maximum results. Dual acting ST5s are compatible with all vibratory and/or oscillating tools.



English Units

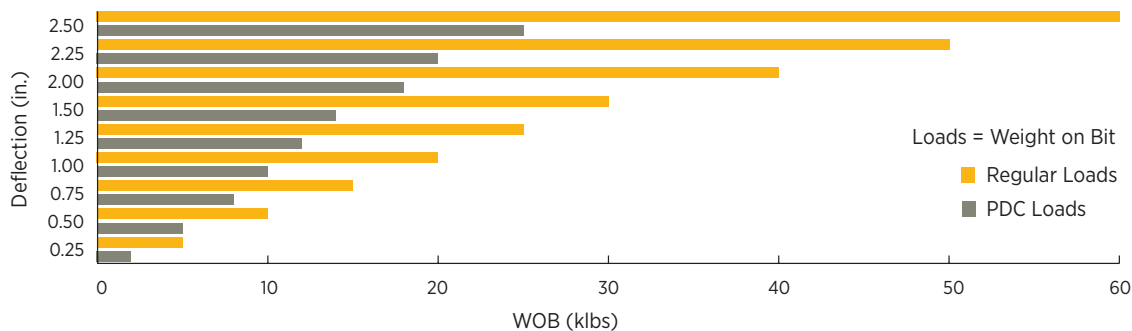
OD (in.)	ID (in.)	Approximate Shipping Weight (lb.)	Length (ft.)	Pump Open Force		Maximum Torque (ft.-lb.)	Stroke (in.)
				Piston Area (in. ²)	Ported Piston Area (in. ²)		
4 3/4	1 7/16	550	12	11.0	1.9	17,000	3
6 1/2	2 1/4	1,000	12	18.6	2.3	40,000	3
6 3/4	2 1/4	1,100	12	22.7	3.9	40,000	3
8	2 1/2	1,500	12	30.7	5.0	68,000	3 1/8
9	2 13/16	1,900	12.5	41.3	7.7	93,000	3 1/8
10	2 1/2	2,400	12.5	41.3	7.7	94,000	3 1/8
11	2 1/2	3,000	12.5	56.7	7.7	166,000	4
12	3	4,500	15.75	70.9	15.9	175,000	4

SI Units

OD (mm)	ID (mm)	Approximate Shipping Weight (kg)	Length (m)	Pump Open Force		Maximum Torque (nm)	Stroke (mm)
				Piston Area (cm ²)	Ported Piston Area (cm ²)		
121	36	250	3.7	71	12	23,000	76
165	58	450	3.7	120	34	54,000	76
171	57	500	3.7	146	25	54,000	76
203	64	700	3.7	198	32	92,000	79
229	71	850	3.8	266	50	126,000	79
254	64	1,100	3.8	266	50	127,000	79
279	64	1,350	3.8	365	50	225,000	101
305	76	2,050	15.75	457	103	237,000	101

PDC Bit Weight vs Conventional Tri Cone Bit Weights

Example: Cougar 6 1/2 in. Shock



COUGAR

DRILLING SOLUTIONS

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