



**HAWKEYE**  
DIRECTIONAL LLC

P.O. Box 890907 • Oklahoma City, OK 73189  
Office: (405) 703-0034 • Toll Free: 844-703-0034 • Fax: (405)703-0697  
www.hawkeyedirectional.com

5.00" S2(127mm) 7/8-5.0 STAGE

	Hole Size	5 <sup>7</sup> / <sub>8</sub> (149 mm)	6 (152 mm)	6 <sup>1</sup> / <sub>8</sub> (156 mm)	6 <sup>3</sup> / <sub>8</sub> (159 mm)
		BEND ANGLE	Degrees per 100 Feet (30m)		
<b>STABILIZED</b>	0.39		5.73	5.62	5.50
	0.78		8.79	8.91	9.03
	1.15		11.34	11.46	11.57
	1.50		13.74	13.86	13.98
	1.83		16.01	16.13	16.25
	2.12		18.01	18.13	18.25
	2.38		19.80	19.92	20.03
	2.60		21.31	21.43	21.55
	2.77		22.48	22.60	22.72
	2.90		23.37	23.49	23.61
	2.97		23.86	23.97	24.09
3.00		24.06	24.18	24.30	
<b>NON-STABILIZED - SLICK</b>	BEND ANGLE	Degrees per 100 Feet (30m)			
	0.39	2.46	2.00	1.54	1.08
	0.78	5.72	5.26	4.80	4.33
	1.15	8.81	8.35	7.89	7.42
	1.50	11.73	11.27	10.81	10.35
	1.83	14.49	14.03	13.56	13.10
	2.12	16.91	16.45	15.98	15.52
	2.38	19.08	18.62	18.15	17.69
	2.60	20.91	20.45	19.99	19.53
	2.77	22.33	21.87	21.41	20.95
	2.90	23.42	22.95	22.49	22.03
2.97	24.00	23.54	23.08	22.62	
3.00	24.25	23.79	23.33	22.87	

Bottom Stab  $\phi$  = 1/4" under hole size

Bit Length = 8.25 inch

Top Stab  $\phi$  = 5.25 inch

Adj. Ring  $\phi$  = 5.66 inch

This information is for reference only. Build rates are calculated on a theoretical, three point geometry. The three points are bit contact, kick pad contact and top of motor contact with the well bore. Actual rates are also affected by formation tendencies, WOB and other drilling parameters. Offset data should be used, when possible, to help determine the expected build rate for any motor configuration.