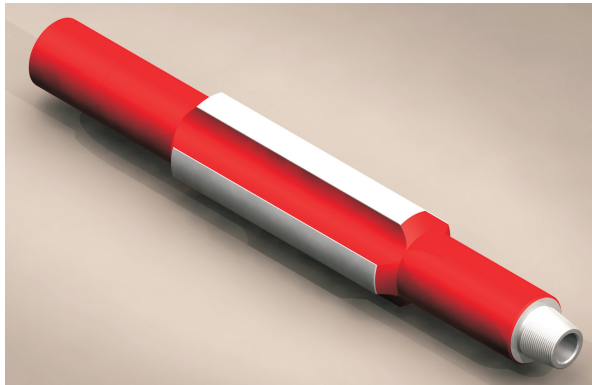


INTEGRAL BLADE STABILIZERS



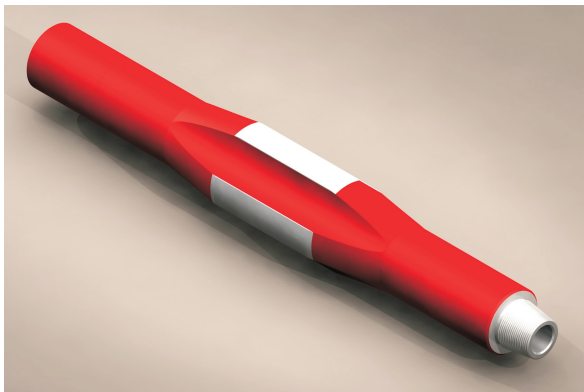
FULL PAC INTEGRAL BLADE STABILIZER



FULL WRAP INTEGRAL BLADE STABILIZER

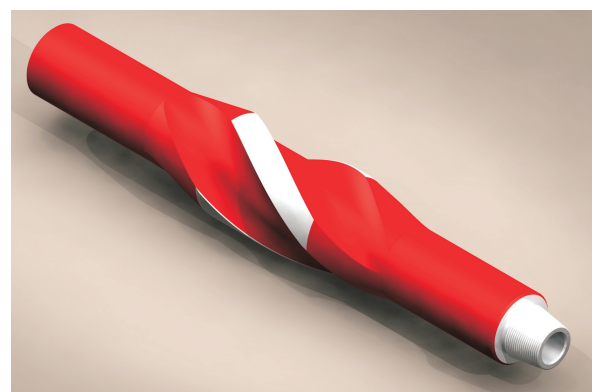


STANDARD INTEGRAL BLADE STABILIZER
(Straight blade also available)



INTEGRAL MOTOR STEERABLE STABILIZER

Aids in maintaining desired well bore trajectory while reducing drag for “sliding” operations with Motor Steerable Assemblies.



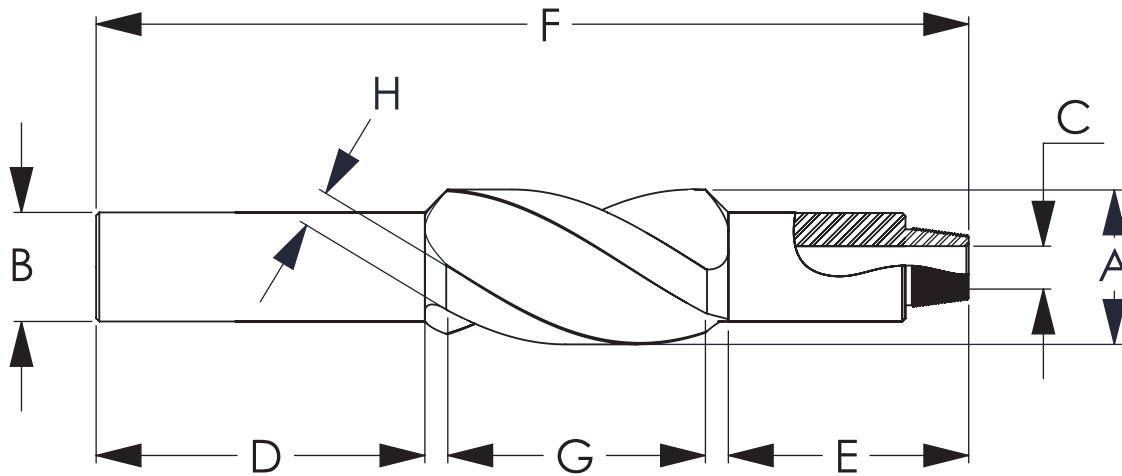
INTEGRAL ROTARY STEERABLE STABILIZER

Extended tapers and “relaxed” spiral design reduces torque, drag and vibrations for enhanced ROPs and extend performance of LWD/MWD components.

Available in **Steel and Non-Magnetic.**

(Dimensional data available upon request and per customer specifications.)

INTEGRAL BLADE STABILIZERS



LEGEND

- A = HOLE SIZE
- B = FISHING NECK DIAMETER
- C = BORE DIAMETER
- D = FISHING NECK LENGTH
- E = BOTTOM SPACE LENGTH
- F = OVERALL LENGTH
- G = CROWN LENGTH
- H = BLADE WIDTH

INTEGRAL BLADE DIMENSIONS

STANDARD

FULL PAC & FULL WRAP

(A) HOLE SIZE	(B) FISHING NECK SIZE	(C) BORE DIA.	(D) FISHING NECK LGTH.	(E) BOTTOM SPACE LGTH.		(H) BLADE WDTH.	(F) NOM. OVERALL LGTH.		(G) CROWN LGTH.	APPROX. WT. #	(F) NOM. OVERALL LGTH.		(G) CROWN LGTH.	APPROX. WT. #
				STRING	N/B		STRING	N/B			STRING	N/B		
5-5/8	4-3/4	2	28	18	12	2	62	56	14	280	75	69	25	360
5-7/8									13-1/2				25-1/2	
6									13-1/2				25	
6-1/8									13				25	
6-1/4									13				25	
6-1/2	4-3/4	2-1/4	28	17	11	2	62	56	13-1/2	370	75	69	24-1/2	460
6-5/8									13-1/2				24	
6-3/4									13-1/4				24	
7-3/8	6-1/4	2-1/4	28	18	12	2-1/2	64	58	15-1/2	520	75	69	26	630
7-5/8									15				25-1/2	
7-7/8	6-3/4	2-1/4	28	18	12	2-1/2	64	58	15	620	75	69	25	770
8-3/8	7	2-1/4 2-13/16	28	18	13	2-1/2	62	57	13-1/2	620	76	70	25-1/2	770
8-1/2									13-1/2				25	
8-5/8									13-1/4				25	
8-3/4									13				25	
9	8	2-1/4 2-13/16	28	18	14	2-1/2	63	59	15-1/4	840	76	70	27	1030
9-1/2									14-1/2				26-1/2	
9-5/8									14-1/2				27	
9-7/8									14				26-1/2	
10-5/8	8	2-1/4 2-13/16	30	20	16	3-1/4	69	65	14-3/4	1000	83	77	31-1/2	1190
11									14				31	
12									15-1/2				28	
12-1/4	9	2-13/16	29	19	15	3-1/4	69	65	16	1550	83	77	27-1/2	1820
13-3/4									17-1/2				27	
14-3/4	10	2-13/16	31	20	16	4-1/2	73	69	16-1/2	1670	83	77	26	2290
15									16				25-1/2	
17-1/2	10	3	31	20	16	4-1/2	74	70	14-3/4	2100	83	77	22-1/2	3020
18-1/2									15				22	
26	11	3	31	25	19	5-1/4	95	90	24-1/2	4640	-	-	-	-

ALL DIMENSIONS ARE IN INCHES, UNLESS OTHERWISE SPECIFIED.