

Fixedblade® Stabilizer Specification

Overview

The Fixedblade® was designed to address the known shortcomings of the conventional spiral blade stabilizer. Simple yet innovative solution enhances drilling performance, prevents downhole failures and makes tripping easier.

Design Feature

- Dome-shaped, low friction blades
- 6 points of contact with the 5-3/4" and 14-1/2" hole sizes
- 8 points of contact with the 16-1/2" and 26" hole sizes
- Flow profile with optimized hydrodynamics

Benefits

- Reduced torque and drag
- Improved weight transfer and tool face control when slide drilling
- BHA vibration dampening
- Increased stability
- Resistance to balling up and packing off
- Reduced risk of swab and surge
- Minimized damage to mud cake while drilling and tripping

Specification

Blade Diameter	Length (m / Inch)	Weight (Kgs / lbs)	ID	Fishing Neck Dia.	Surface Area (in ²)	Conn.	TFA%
5-1/2" - 6"	2.00 / 78	180 / 397	2"	4-3/4"	100	NC38	25%
8-1/4"	2.20 / 86	360 / 794	2-1/4"	6-3/4"	220	4-1/2" IF	25%
12"	2.40 / 94	660 / 1,455	2-13/16"	8-1/4"	240	6-5/8" Reg	20%
12"	2.40 / 94	853 / 1,880	3"	9-1/2"	222	7-5/8" Reg	20%
14-1/4"	2.20 / 86	882 / 1,944	3"	9-1/2"	376	7-5/8" Reg	27%
15-3/4"	2.60 / 102	1.158 / 2,553	3"	9-1/2"	404	7-5/8" Reg	26%
16-1/4"	2.50 / 98	1.115 / 2,458	3"	9-1/2"	416	7-5/8" Reg	31%
17-1/4"	2.60 / 102	1.200 / 2,645	3"	9-1/2"	340	7-5/8" Reg	33%
17-7/8"	2.60 / 102	1.246 / 2,747	3"	9-1/2"	352	7-5/8" Reg	39%
25-3/4"	3.30 / 129	2.248 / 4,956	3"	9-1/2"	400	7-5/8" Reg	38%

- Tungsten Carbide hardfacing, optional Thermally Stable Polycrystalline (TSP) inserts also available.
- Other gauge sizes, neck diameters, and/or connectors are available upon request.

