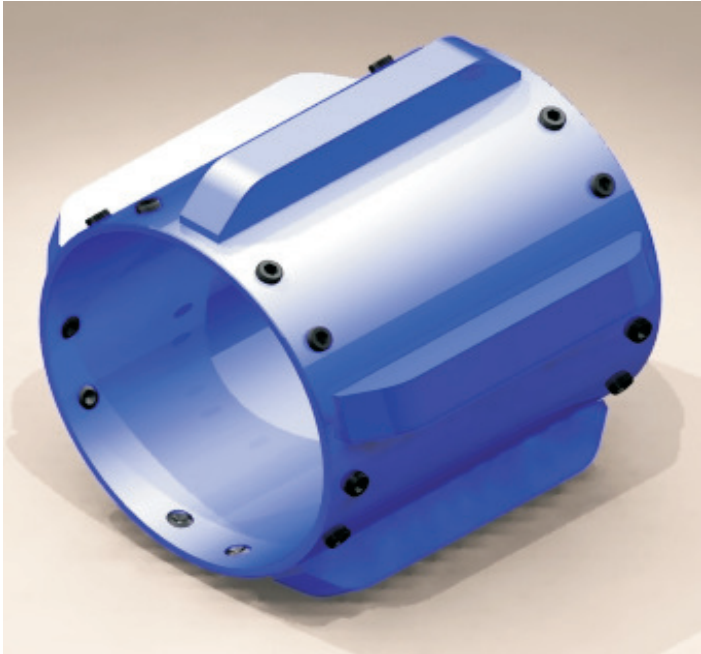
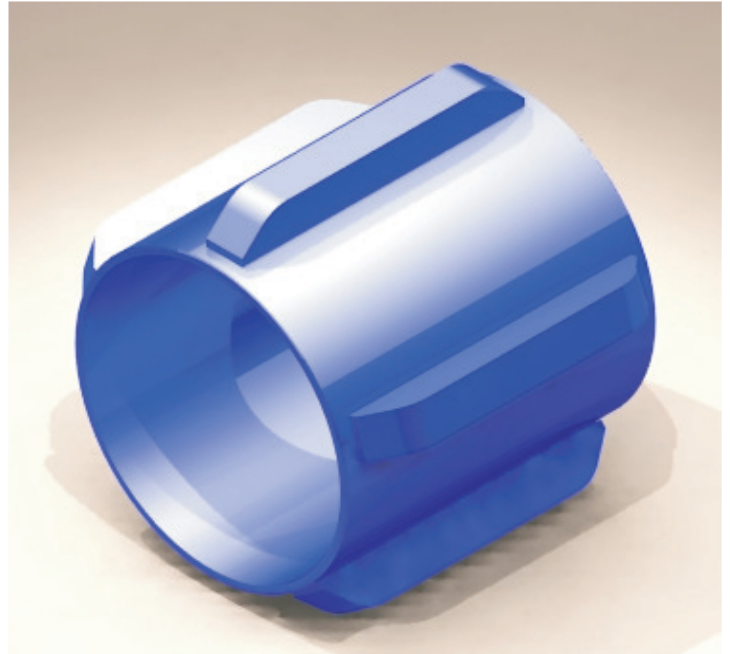


STRAIGHT VANE RIGID CENTRALIZER



Fixed Straight Vane



Rotating Straight Vane

- **Applications: High-Angle Wells, Horizontal Wells, Multi-Lateral Wells, Sidetracks, Pre-Packed Screens, Gravel Pack Screens**
- **Smooth Tapers on Vane Lead-In and Lead-Out**
- **Rugged 10-20 Mild Steel Construction**

The SV Centralizer is designed primarily for centralization. The straight vanes do not impart hydraulic forces on pressure sensitive formations, thereby making them the tool of choice for wells of this nature.

Straight vane centralizers are designed to minimize unwanted removal of wall cake and for easy running of casing.

The straight vane centralizer can be fixed (attached via set-screws) to the casing, or free to move. The vertical movement of the free floating centralizer is controlled by the use of casing couplings and/or stop collars.

SOLID BODY STRAIGHT VANE

STANDARD LENGTH IS 8" (OTHERS AVAILABLE)

CASING SIZE "	SLEEVE I.D. "	SLEEVE O.D. "	# OF VANES	# OF SET SCREWS	STANDARD VANE SIZES	
					MIN O.D.	MAX O.D.
2 7/8	3	3 3/8	4	8	3 1/2	8 1/4
3 1/2	3 5/8	4	4	8	4 5/8	9 1/2
4	4 1/8	4 1/2	4	8	4 3/4	9 1/2
4 1/2	4 5/8	5	5	10	5 3/4	9 1/2
5	5 1/8	5 1/2	5	10	6	9 1/2
5 1/2	5 5/8	6	5	10	6 1/2	10 1/2
7	7 1/8	7 1/2	5	10	8	12
7 5/8	7 7/8	8	6	12	8 1/4	8 3/4
7 5/8	7 3/4	8 1/8	6	12	8 7/8	12
7 3/4	8	8 1/2	6	12	9 1/4	12
8 5/8	8 3/4	9 1/4	8	16	9 7/8	12 1/2
9 5/8	9 7/8	10	8	16	10 1/4	10 7/8
9 5/8	9 3/4	10 1/8	8	16	11	14 1/4
9 7/8	10	10 1/2	8	16	11	14 1/4
10 3/4	11	11 1/2	8	24	12 1/4	21
11 3/4	12	12 1/2	8	24	13 1/4	21
13 3/8	13 5/8	14	8	24	14 3/4	24
16	16 1/4	16 3/4	8	24	17 2/4	25 1/2
20	20 1/4	20 3/4	10	32	21 1/4	30
24	24 1/4	24 3/4	10	40	25 1/2	36

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
SLEEVE I.D. AND O.D. ARE DETERMINED BY THE VANE O.D. OF THE TURBULATOR

- **Vane O.D. is typically recommended to be either 1/4" under bit size or 1/8" under drift diameter.**
- **INVENTORY: Available in most casing and hole size combinations.**
- **Computerized spacing program available.**

