

OSN NON-WELDED BOW, SOLID CENTRALIZER

# ENGINEERING SOLUTIONS FOR LESS CHALLENGING WELLS

OSN centralizers are a high strength solid product suitable for less demanding wells.



Made from solid steel, the OSN function like a bearing during pipe rotation and helps to reduce torque requirements.

Available in straight vane and spiral vane. Spiral model has a 360-degree vane design that induces turbulent flow supporting cementing best practices.



### STOP COLLARS

The OSN is available with a range of high strength stop collars



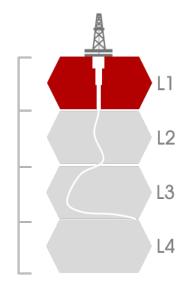
## **KEY PRODUCT BENEFITS**

- High axial load strength
- 360° vane design
- Steel construction provides superior toughness

# TARGETED APPLICATIONS

- Vertical and horizontal wells
- Onshore
- Reach <10,000 ft</li>
- Build rates of < 10<sup>o</sup>/100'

# PERFORMANCE RATINGS 5 8000 FLEXIBILITY RUNABILITY STRENGTH



# PRODUCT OVERVIEW



# **CORE PRODUCT SIZE\***

# PART NUMBER Standard

	Otaridard			
Application	Centralizer	Left hand vanes	Right hand vanes	Straight vanes
4 1/2" casing for use in 5 7/8" hole	0412-0538ORN	0	0	
4 1/2" casing for use in 6" hole	0412-0534ORN	0	0	0
4 1/2" casing for use in 6 1/8" hole	0412-0578ORN	0	0	
4 1/2" casing for use in 8 1/2" hole	0412-0814ORN	0	0	0
5 1/2" casing for use in 6 1/2" hole	0512-0578ORN	0	0	0
5 1/2" casing for use in 8 1/2" hole	0512-0800ORN	0	0	0
5 1/2" casing for use in 8 3/4" hole	0512-0814ORN	0	0	0
7" casing for use in 8 1/2" hole	0700-0800ORN	0	0	0
7" casing for use in 8 3/4" hole	0700-0814ORN	0	0	0
9 5/8" casing for use in 12 1/4 hole	0958-1100ORN	0	0	
13 3/8" casing for use in 17 1/2" hole	1338-1700ORN			0
13 5/8"casing for use in 17 1/2" hole	1358-1700ORN			0
18 5/8" casing for use in 23" hole	1858-2134ORN			0
	4 1/2" casing for use in 5 7/8" hole 4 1/2" casing for use in 6" hole 4 1/2" casing for use in 6 1/8" hole 4 1/2" casing for use in 8 1/2" hole 5 1/2" casing for use in 6 1/2" hole 5 1/2" casing for use in 8 1/2" hole 5 1/2" casing for use in 8 3/4" hole 7" casing for use in 8 3/4" hole 7" casing for use in 8 3/4" hole 9 5/8" casing for use in 12 1/4 hole 13 3/8" casing for use in 17 1/2" hole 13 5/8"casing for use in 17 1/2" hole	Application         Centralizer           4 1/2" casing for use in 5 7/8" hole         0412-0538ORN           4 1/2" casing for use in 6" hole         0412-0534ORN           4 1/2" casing for use in 6 1/8" hole         0412-0578ORN           4 1/2" casing for use in 8 1/2" hole         0412-0814ORN           5 1/2" casing for use in 6 1/2" hole         0512-0878ORN           5 1/2" casing for use in 8 1/2" hole         0512-0800ORN           5 1/2" casing for use in 8 3/4" hole         0512-0814ORN           7" casing for use in 8 1/2" hole         0700-0800ORN           7" casing for use in 8 3/4" hole         0700-0814ORN           9 5/8" casing for use in 12 1/4 hole         0958-1100ORN           13 3/8" casing for use in 17 1/2" hole         1338-1700ORN           13 5/8"casing for use in 17 1/2" hole         1358-1700ORN	Application         Centralizer         Left hand vanes           4 1/2" casing for use in 5 7/8" hole         0412-0538ORN         0           4 1/2" casing for use in 6" hole         0412-0534ORN         0           4 1/2" casing for use in 6 1/8" hole         0412-0578ORN         0           4 1/2" casing for use in 8 1/2" hole         0412-0814ORN         0           5 1/2" casing for use in 6 1/2" hole         0512-0578ORN         0           5 1/2" casing for use in 8 1/2" hole         0512-0800ORN         0           5 1/2" casing for use in 8 3/4" hole         0512-0814ORN         0           7" casing for use in 8 1/2" hole         0700-0800ORN         0           7" casing for use in 8 3/4" hole         0700-0814ORN         0           9 5/8" casing for use in 12 1/4 hole         0958-1100ORN         0           13 3/8" casing for use in 17 1/2" hole         1338-1700ORN         1358-1700ORN	Application       Centralizer       vanes         4 1/2" casing for use in 5 7/8" hole       0412-0538ORN       0         4 1/2" casing for use in 6" hole       0412-0534ORN       0         4 1/2" casing for use in 6 1/8" hole       0412-0578ORN       0         4 1/2" casing for use in 8 1/2" hole       0412-0814ORN       0         5 1/2" casing for use in 6 1/2" hole       0512-0578ORN       0         5 1/2" casing for use in 8 1/2" hole       0512-0800ORN       0         5 1/2" casing for use in 8 3/4" hole       0512-0814ORN       0         7" casing for use in 8 1/2" hole       0700-0800ORN       0         7" casing for use in 8 3/4" hole       0700-0814ORN       0         9 5/8" casing for use in 12 1/4 hole       0958-1100ORN         13 3/8" casing for use in 17 1/2" hole       1338-1700ORN         13 5/8"casing for use in 17 1/2" hole       1358-1700ORN

<sup>\*</sup>custom sizes are available. Speak to your sales representative for more information.

# **FULL STRING SOLUTION**

WELL TYPE	ONSHORE			ONSHORE + OFFSHORE		UNDER-REAM / OFFSHORE		
WELL LEVEL	เา		L2	(L1+L2)+L3		(L3+L4)		
PRODUCT NAME	OSN	OSW	ОВН	OBS	\$2	S2 Hinged	TUR (includes variants)	UROS (include variants)
	Solid with pressed bows	Solid with welded bows	Non-welded bow spring with hinge	Single piece, bow spring	Single piece, bow spring	Hinged bow spring	Single piece, bow spring	Single piece, bow spring
FLEXIBILITY (0-8)	0	0	5	6	7	7	8	8
RUNABILITY (0-8)	5	5	4	6	8	8	8	8
STRENGTH (0-8)	8	8	4	6	7	7	7	7

For more information talk to our Global Sales team today or use our Product Selector Tool to find the right product for your application – sales@centekgroup.com