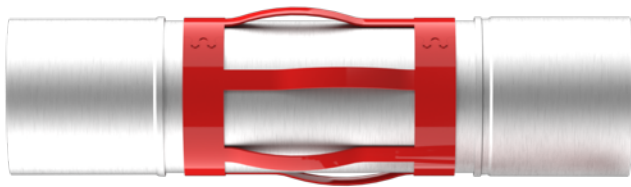


# UROS-SUB CENTRALIZER

## ENGINEERING SOLUTIONS FOR ULTRA-NARROW ANNULUS APPLICATIONS

The UROS-SUB centralizer is designed to be run in the close tolerance, under-ream applications found in some of the world's most challenging deepwater wells.



The UROS-SUB's single piece centralizer reduces the risk of failure in high profile applications. This engineered solution enables the centralizer to rotate on the sub body with minimal torque values.

The UROS centralizer recesses into the sub body during RIH allowing it to pass through the tightest of restrictions.

The sub body, manufactured to API 5CT requirements, will meet or exceed burst, collapse and tensile ratings and will be threaded to fit the casing string.

**Centek has the capability to supply sub bodies tailored to meet customer specifications.**

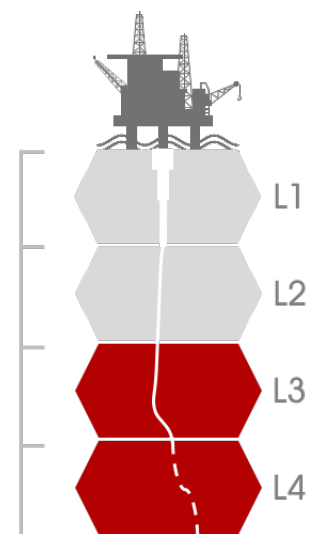
### KEY PRODUCT BENEFITS

- Designed specifically for ultra-tight tolerance applications
- Low equivalent circulating density (ECD) signature to lower surge effect during run in hole (RIH)
- Allows for rotation when fully compressed
- Fewer bows for more efficient RIH
- Interlocked band design gives the strength of a single piece centralizer

### TARGETED APPLICATIONS

- Deepwater
- Ultra-narrow, close tolerance
- Alternative to standard subs that will have higher initial insertion forces due to bow design

### PERFORMANCE RATINGS



## CORE PRODUCT SIZING\*

Product sizing	PART NUMBER
9-5/8" ID for use in 12-1/4" Hole	0938-1214 UROS-SUB
11-3/4" ID for use in 14-3/4" Hole	1134-1434 UROS-SUB
16" ID for use in 20" Hole	1600-2000 UROS-SUB
17" for use in 20" Hole	1700-2000 UROS-SUB

\*custom sizes are available. Speak to your sales representative for more information.

## FULL STRING SOLUTION

WELL TYPE	ONSHORE						ONSHORE + OFFSHORE			UNDER-REAM / OFFSHORE	
	L1				L2	L2 & L3	L3 + (L1+L2)			(L3+L4)	
WELL LEVEL	OSN	OBH	OBH-W	OBW	OBS-2	OBS	S2-HD	S2	S2 Hinged	TUR (Includes variants)	UROS (Includes variants)
PRODUCT NAME & TYPE	SOLID BODY						BOW SPRING				
	Pressed bows	Non-welded with hinge	Welded with hinge	Welded	Single piece	Single piece	Heavy duty, single piece	Single piece	Hinged	Single piece	Single piece
FLEXIBILITY (0-8)	0	5	5	5	6	4	7	7	7	8	8
RUNABILITY (0-8)	5	4	5	5	7	5	7	8	8	8	8
STRENGTH (0-8)	8	4	5	5	6	7	8	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](mailto:sales@centekgroup.com)

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