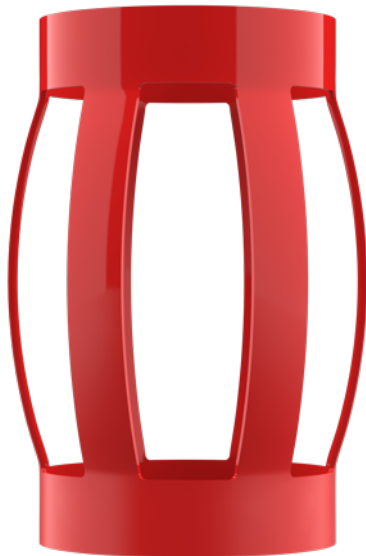


TUR UNDER-REAMED, SINGLE PIECE BOW SPRING CENTRALIZER

ENGINEERING SOLUTIONS FOR UNDER-REAMED APPLICATIONS

The TUR bow spring centralizer is designed to be run in the close tolerance, under-ream applications found in some of the world's most challenging offshore fields.



The TUR centralizer is proven to give good cementation in tight casing and close tolerance applications. Large flow by area enhances fluid dynamics.

STOP COLLARS

The TUR is available with a high-performance stop collar.

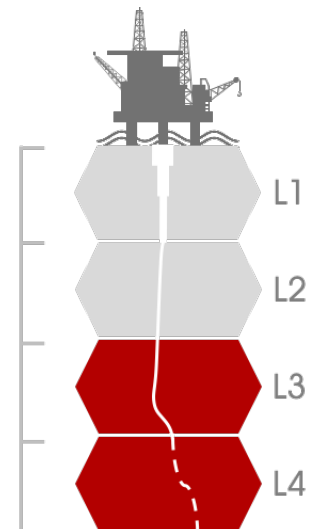
KEY PRODUCT BENEFITS

- Low starting forces
- Reduced running forces - saves time
- Application specific restoring force

TARGETED APPLICATIONS

- Under-reamed wells sections
- Offshore and deepwater
- Highly deviated wells
- Horizontal/ERD wells
- Vertical wash out sections
- S-Type/J-Type

PERFORMANCE RATINGS



CORE PRODUCT SIZING*

Product size	PART NUMBER		Product size	PART NUMBER	
	Centralizer			Centralizer	
4-1/2" ID for use in 6-1/2" Hole	0412-0612TUR		9-5/8" ID for use in 12-1/4" Hole	0958-1214TUR	
4-1/2" ID for use in 7-1/4" Hole	0412-0714TUR		9-5/8" ID for use in 13-1/4" Hole	0958-1314TUR	
5" ID for use in 7" Hole	0500-0700TUR		9-7/8" ID for use in 12-1/4" Hole	0978-1214TUR	
5" ID for use in 7-1/2" Hole	0500-0712TUR		9-7/8" ID for use in 13-1/2" Hole	0978-1312TUR	
5" ID for use in 8-1/2" Hole	0500-0812TUR		10" ID for use in 13-1/4" Hole	1000-1314TUR	
5" ID for use in 9-1/2" Hole	0500-0912TUR		10-3/4" ID for use in 13" Hole	1034-1300TUR	
5-1/2" ID for use in 7-1/2" Hole	0512-0712TUR		10-3/4" ID for use in 13-1/2" Hole	1034-1312TUR	
7" ID for use in 9" Hole	0700-0900TUR		13-3/8" ID for use in 16" Hole	1338-1600TUR	
7" ID for use in 9-1/4" Hole	0700-0914TUR		13-3/8" ID for use in 17-1/2" Hole	1338-1712TUR	
7-3/4" ID for use in 10-1/4" Hole	0734-1014TUR		13-3/8" ID for use in 19" Hole	1338-1900TUR	
7-5/8" ID for use in 9-1/2" Hole	0758-0912TUR		13-5/8" ID for use in 17-1/2" Hole	1358-1712TUR	
7-5/8" ID for use in 9-7/8" Hole	0758-0978TUR		14" ID for use in 19" Hole	1400-1900TUR	
8-5/8" ID for use in 9-7/8" Hole	0858-0978TUR		16" ID for use in 20" Hole	1600-2000TUR	

*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

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