

PRODUCT OVERVIEW

S2 SINGLE PIECE BOW SPRING CENTRALIZER

ENGINEERING SOLUTIONS FOR CHALLENGING WELLS

The revolutionary S2 bow spring centralizer is a high-performance, single-piece solution specifically designed for challenging wellbores. Its engineered combination of strength and flexibility enhances run-in-hole (RIH) efficiency, reducing time and costs for operators aiming to reach total depth.

The S2's single-piece construction eliminates weak points, making it highly durable in demanding casing running environments. It is particularly suited for severe well geometries, high build rates, extended reach, and J-type and S-type wells, as well as high-temperature, high-pressure (HTHP) applications.

Manufactured to gauge, the S2 offers exceptional restoring force and superior flexibility in downhole conditions. Its innovative design has earned multiple accolades, including the prestigious Queen's Award for Innovation.

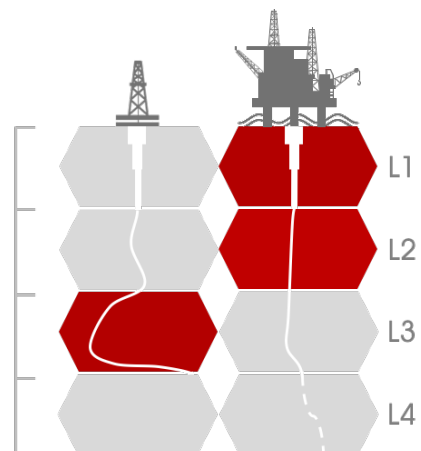
KEY PRODUCT BENEFITS

- Tested to exceed API 10D 7th Edition
- Supports cementing best practices
- Made to gauge
- Optimum standoff
- Maximum flow by area
- Reduced torque and drag
- Enhanced rotation and reciprocation

TARGETED APPLICATIONS

- Tight spots
- Onshore and offshore wells
- Unconsolidated wells
- Extended reach wells
- Horizontal and highly deviated wells
- HTHP and geothermal wells
- Shale oil and gas wells
- OH completions w/packers
- Sand screen completions
- J-type and S-type

PERFORMANCE RATINGS



CORE PRODUCT SIZING

Product size	Part Number
2-7/8" ID for use in 4-1/8" Hole	0278-0418S
3-1/2" ID for use in 6" Hole	0312-0600S
3-1/2" ID for use in 6-1/8" Hole	0312-0618S
3-1/2" ID for use in 8-1/4" Hole	0312-0814S
3-1/2" ID for use in 8-1/2" Hole	0312-0812S
4-1/2" ID for use in 5-7/8" Hole	0412-0578S
4-1/2" ID for use in 6" Hole	0412-0600S
4-1/2" ID for use in 6-1/8" Hole	0412-0618S
4-1/2" ID for use in 6-1/2" Hole	0412-0612S
4-1/2" ID for use in 6-3/4" Hole	0412-0634S
4-1/2" ID for use in 7-7/8" Hole	0412-0778S
4-1/2" ID for use in 8-1/2" Hole	0412-0812S
4-1/2" ID for use in 8-3/8" Hole	0412-0838S
5" ID for use in 6" Hole	0500-0600S
5" ID for use in 6-1/8" Hole	0500-0618S
5" ID for use in 6-1/2" Hole	0500-0612S
5" ID for use in 6-3/4" Hole	0500-0634S
5" ID for use in 8-1/2" Hole	0500-0812S
5-1/2" ID for use in 6-1/2" Hole	0512-0612S
5-1/2" ID for use in 6-3/4" Hole	0512-0634S
5-1/2" ID for use in 7-7/8" Hole	0512-0778S
5-1/2" ID for use in 8-1/2" Hole	0512-0812S
5-1/2" ID for use in 8-3/4" Hole	0512-0834S
6" ID for use in 8-1/2" Hole	0600-0812S
6" ID for use in 8-3/4" Hole	0600-0834S
6-5/8" ID for use in 8-1/2" Hole	0658-0812S
6-5/8" ID for use in 8-3/4" Hole	0658-0834S
7" ID for use in 8-1/2" Hole	0700-0812S
7" ID for use in 8-3/4" Hole	0700-0834S
7" ID for use in 9-1/2" Hole	0700-0912S
7" ID for use in 9-7/8" Hole	0700-0978S
7" ID for use in 10-5/8" Hole	0700-1058S
7-5/8" ID for use in 8-1/2" Hole	0758-0812S
7-5/8" ID for use in 8-3/4" Hole	0758-0834S

Product size	Part Number
7-5/8" ID for use in 9-1/2" Hole	0758-0912S
7-5/8" ID for use in 9-7/8" Hole	0758-0978S
7-3/4" ID for use in 9-1/2" Hole	0734-0912S
8-5/8" ID for use in 10-5/8" Hole	0858-1058S
9-5/8" ID for use in 10-5/8" Hole	0958-1058S
9-5/8" ID for use in 11-5/8" Hole	0958-1158S
9-5/8" ID for use in 12-1/4" Hole	0958-1214S
9-5/8" ID for use in 13-1/2" Hole	0958-1312S
9-7/8" ID for use in 12-1/4" Hole	0978-1214S
10" ID for use in 12-1/4" Hole	1000-1214S
10-1/8" ID for use in 12-1/4" Hole	1018-1214S
10-3/4" ID for use in 12-1/4" Hole	1034-1214S
10-3/4" ID for use in 13-1/2" Hole	1034-1312S
10-3/4" ID for use in 14-3/4" Hole	1034-1434S
11-3/4" ID for use in 13-1/2" Hole	1134-1312S
11-3/4" ID for use in 14-3/4" Hole	1134-1434S
11-7/8" ID for use in 14-1/2" Hole	1178-1412S
11-7/8" ID for use in 14-3/4" Hole	1178-1434S
13-3/8" ID for use in 16" Hole	1338-1600S
13-3/8" ID for use in 17" Hole	1338-1700S
13-3/8" ID for use in 17-1/2" Hole	1338-1712S
13-5/8" x ID for use in 16" Hole	1358-1600S
13-5/8" ID for use in 17-1/2" Hole	1358-1712S
14" ID for use in 16" Hole	1400-1600S
14" ID for use in 17-1/2" Hole	1400-1712S
16" ID for use in 18-5/8" Hole	1600-1858S
16" ID for use in 20" Hole	1600-2000S
18-5/8" ID for use in 22" Hole	1858-2200S
18-5/8" ID for use in 23" Hole	1858-2300S
18-5/8" ID for use in 24" Hole	1858-2400S
20" ID for use in 24" Hole	2000-2400S
20" ID for use in 26" Hole	2000-2600S
22" ID for use in 26" Hole	2200-2600S
24" ID for use in 28" Hole	2400-2800S

FULL CENTRALIZER PRODUCT RANGE

MODEL	DUTY			STYLE		CONSTRUCTION			STANDOFF		UNDER-REAMED			FLEX		APPLICATION				PERFORMANCE					
	Light	Standard	Heavy	Slip-on	Hinged	Heat Treated	Single Piece	Welded Bows	Mechanical	Bow Spring	Solid Body	Standard Bows	Offset Bows	Close Tolerance	Sub	Used in tight spots	Used in restrictions	Level 1	Level 2	Level 3	Level 4	Flexibility	Runability	Strength	
OBH	■				■	■				■	■							■					5	4	4
OBH-W	■				■	■		■		■								■					5	5	5
OSN			■	■			■				■							■							
ES		■		■		■	■												■	■			6	7	6
OBS		■		■		■	■												■	■	■		4	5	7
S2		■		■		■	■										■	■	■	■			7	8	7
S2-H		■			■		■										■	■	■	■			7	8	7
S2-HD			■	■			■					■					■	■	■				7	7	8
TUR		■		■		■	■					■					■	■			■	■			
TUR-CT		■		■		■	■					■		■			■	■			■	■			
TUR-SUB		■		■		■	■					■		■	■		■	■			■	■			
UROS		■		■		■	■						■				■	■			■	■	8	8	7
UROS-CT		■		■		■	■						■	■			■	■			■	■			
UROS-SUB		■		■		■	■						■	■	■		■	■			■	■			