

# Product Sheet: Anchored Production Straddle (APS)

## Product Description

The Anchored Production Straddle (APS) is designed with high expansion and effective through-bore in mind, when developing specific solutions for production control challenges. The APS is configured with two packer modules, standard spacer pipe in between and an anchoring module. Each Packer Module consists of a one-piece solid elastomer element supported by a tight mechanical barrier on each side. When expanded, a radial wall prevents extrusion of the packer element under strain or pressure. Additional anchoring modules as well as built-in PBR functionality can be incorporated.

The standard size HPHT Straddles have been tested in differential pressures up to 345 bar (5.000 psi) at temperatures up to 150°C according to the ISO 14310:2008 design validation Vo.

The standard size ME Straddles have been tested in differential pressures up to 241 bar (3500 psi) at temperatures up to 110°C according to the ISO 14310:2008 design validation Vo.

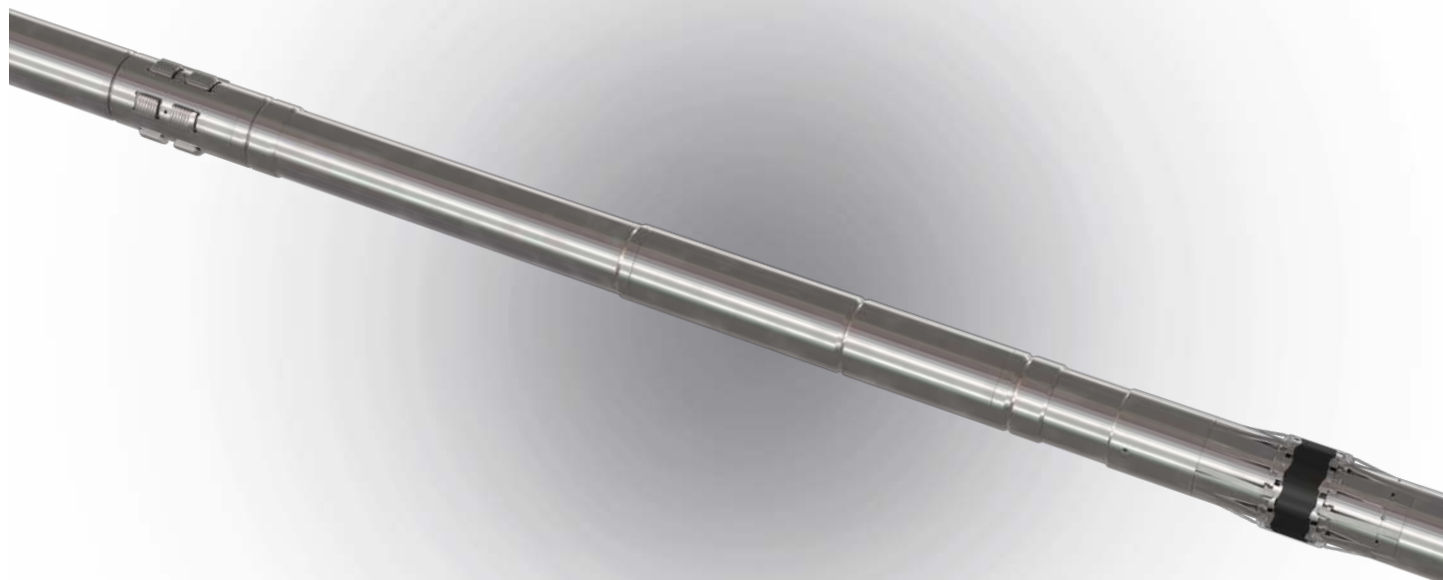
## Product Application

The APS can be used in temporary or permanent applications, and is equipped with high expansion bi-directional seal, and anchor elements that can be set/retrieved in cross flow.

### Product Benefits:

Designed to meet the requirements of high expansion and effective through-bore, the standard straddle size is also ISO Vo approved.

- Gas lift straddle
- Screen straddle
- Water-shut off straddle
- Tubing repair straddle
- Insert safety valve straddle
- PBR straddle
- High expansion straddle
- Single & multi run straddle
- Retrievable straddle



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## Product Features

- Modular design for various applications on-site
- Ideal for workover applications
- Slim design (small OD/large ID)
- Can be run on slickline, e-line, CT and pipe
- Other sizes available upon request

## Technical Specifications (Standard Sizes)

Csg Size	Csg Wt (lbs/ft)	Model	Concept	ID	OD
3 ½"	9.3-10.3	275-350 APS	ME	1.339"	2.75
4 ½"	11.6 - 13.5	363-450 APS	ME	2.114"	3.63"
5 ½"	17-23	443-550 APS	ME	2.9"	4.43"
7"	26-35	572-700 APS	ME	4"	5.72
4 ½"	11.6 - 13.5	363-450 APS	HPHT	1.65"	3.63"
5 ½"	17-23	425-550 APS	HPHT	2.2"	4.25"
7"	26-32	563-700 APS	HPHT	3.14"	5.63"

## Technical Specifications (Custom Sizes)

Csg Size	Csg Wt (lbs/ft)	Model	Concept	ID	OD
2 3/8"	5.1	175-238 APS	HPHT	0.47"	1.75"
3 ½"	9.2-13.7	270-350 APS	HPHT	1.02"	2.70"
4"	11-14.8	285-400 APS	HPHT	0.87"	2.85"
4 ½"	13.5-17	344-450 APS	HPHT	1.50"	3.44
4 ½"	11.6-13.5	267-450 APS	HEX	0.70"	2.67"
5"	15-20.3	389-500 APS	HPHT	1.77"	3.89"
5 ½"	14-23	360-550 APS	HEX	1.44"	3.60"
7"	20-35	430-700 APS	HEX	2.00"	4.30"

\* For other product enquiries on specific size please contact your local sales office.

\* Custom sizes made upon request