

HYDRAULIC BOW SPRING CENTRALISER



TOOL APPLICATIONS

The Hydraulic Bow Spring Centraliser is used to provide stability and centralisation to a Bottom Hole Assembly (BHA).

The design allows the BHA to be centralised even if it has to pass through restrictions that are too small for Fixed-Blade Stabilisers.

By pumping fluid through the tool, the piston is activated which expands the bow springs and centralises the BHA.

An Alternative tool is the Mechanical Bow Spring Centraliser which does not require fluid to circulate through the tool for operation.

For optimum results, two centralisers are normally placed along the length of the BHA.

FEATURES AND BENEFITS

- Flo-thru mandrel for running in conjunction with flo-activated tools
- High deflection range from minimum to maximum OD
- Optional effective OD's to suit client needs
- Interchangeable flo-nozzles
- Simple, robust design ensuring ease of operation for the end user
- Hexagonal flats for safe make-up & break-out
- Connection options to suit customer requirements

SPECIFICATIONS

Technical Variable		Units	Size		
			1 11/16"	2 1/8"	2 7/8"
Max OD		in	1.687	2.125	2.875
Min ID		in	0.500	0.5000	1.000
Connection	Top	Box	1" AMMT	1 1/2" AMMT	2 3/8" PAC DSI
	Bottom	Pin	1" AMMT	1 1/2" AMMT	2 3/8" PAC DSI
Make Up Length		in	31.72	32.48	35.85
Weight		lbs	14.15	21.45	42.87
Adjustment Range		in	4.5 to 7.0	4.5 to 7.0	4.5 to 9.625
Activation Pressure		psi	300	300	200
Working Pressure		psi	5,000	5,000	5,000
Temperature		°C	-20 to 200		
Strength	SWL	lbs	25,966	36,680	70,970
	Yield	lbs	28,851	40,760	78,860
	UTS	lbs	37,095	52,400	101,390
	Torsional	ft.lbs	90	169	600
Make Up Torque		ft.lbs	333	633	2,167

Size	Units	Flow Nozzles
1 11/16"	in	Blank, 0.125, 0.187, 0.218" 0.250" and 0.281"
2 1/8" & 2 7/8"	in	Blank, 0.125, 0.187, 0.218", 0.250", 0.281" and 0.312"