

FLO-ACTIVATED BOW SPRING CENTRALISER

The **LiMAR**[®] Flo-Activated Bow Spring Centraliser is used to assist in positioning a Coiled Tubing BHA within large bore completions after passing through restrictions above.

Back pressure created within a piston chamber on the central carrier mandrel will expand the arms to the required effective OD. Decreasing the pump rate / volume will allow the arms to collapse back to their original running diameter.

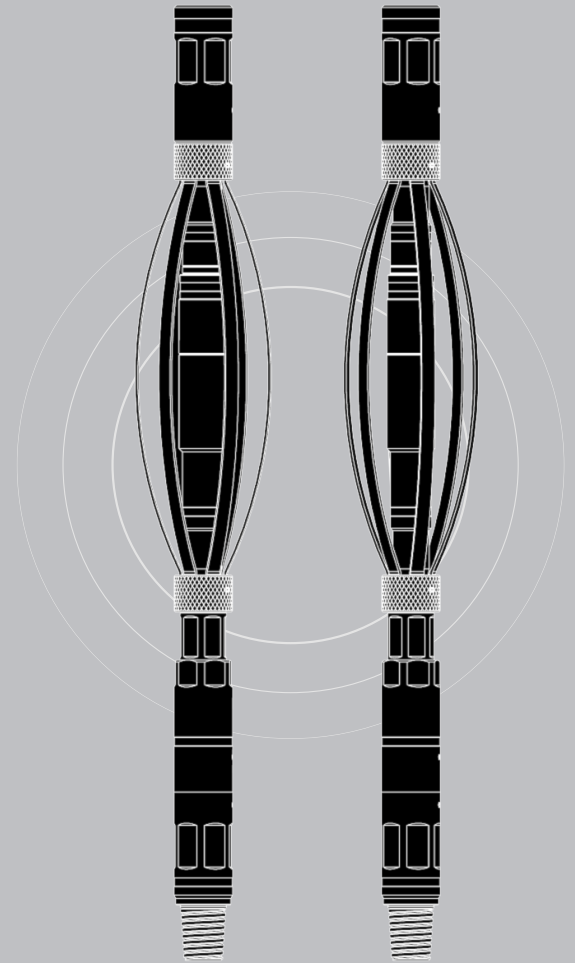
The effective OD of the Bow Spring can be adjusted by rotating the adjustable sleeve and lock nut.

TOOL APPLICATIONS:

- Centralising a Coiled Tubing BHA in large bore completions with restrictions above

DESIGN FEATURES & 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
- Selected components QPQ treated
- Hexagonal flats for safe make-up & break-out
- Connection options to suit customer requirements



TECHNICAL DATA

Assembly Part No.	Actual OD (Excl. Springs)	To Suit Tubing Size	Make up Length
181-1687-XXX-RX	1.687"	4-1/2" - 7"	31.71"
181-1750-XXX-RX	1.750"	4-1/2" - 7"	31.71"
181-2125-XXX-RX	2.125"	4-1/2" - 7"	32.49"
181-2875-XXX-RX	2.875"	4-1/2" - 9-5/8"	35.30"

XXX - Last 3 digits of part number denotes connection type - Please refer to the connection code data sheet.
 For additional sizes or further information please contact sales@limaroiltools.com