



Oil Tools

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FLOW ACTIVATED BOW SPRING CENTRALIZER



The Flow Activated Bow Spring Centralizer is designed to allow tool strings or parts of tool strings to be centralized in the tubing/casing for various operations.

The Flow Activated Bow Spring Centralizer is designed so that the bow springs are normally retracted. The bow springs only expand when a pressure differential is achieved across the tool. This enables the centralizer to pass, for example, through the restricted bores of the tail pipe and expand into the casing liner below, without any unnecessary wear on the bow springs.

As a safety precaution, the bow springs are mounted above a coil spring. This is to allow the bow springs the necessary movement they require to pass through a restricted bore, whilst still expanded.

Design Features/Benefits:

- Full flow through bore.
- Safety feature which allows bow springs movement when meeting restrictions in expanded condition, therefore preventing bow spring damage.

SERVA Specification Guide Flow Activated Bow Spring Centralizer

Max OD (in)	Min ID (in)	Expansion Range	Thread	Part Number
1.687	0.450	1 11/16"-6 1/2"	1" AMMT	2196168423
1.810	0.450	1 11/16"-6 1/2"	1" AMMT	2196168422
2.125	0.750	2 1/8"-7"	1.5" AMMT	2196212422
2.700	0.937	2 3/4"-8 1/2"	1.5" AMMT	2196270422
2.875	0.937	2 7/8"-8 1/2"	2 3/8" PAC	2196287422
3.125	0.937	3 1/8"-8"	2 3/8" PAC	2196312422

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