

PRODUCT OVERVIEW:

The Atmospheric Collar is a casing deployment tool designed to aid in achieving deeper setting depths by reducing friction in the horizontal section of the well.

The Collar is typically run in the vertical section of any horizontal wellbore. It's design creates an air filled chamber within the casing string that allows the horizontal section of the casing to become buoyant, therefore reducing sliding friction between the hole and the casing. Additionally, fluid can be added to the casing string above the Atmospheric Collar to increase the weight of the pipe in the vertical section of the wellbore to generate force needed to push the casing to the toe of the well.

Inside the Floatation Collar is the Floatation Wiper Dart. Once on setting depth, the dart is simply activated by increasing hydraulic pressure above the collar. Once activated, the collar will allow fluid bypass, flooding the atmospheric chamber of the casing string and allowing pumping operations to begin. Once cement has been pumped, a Liner Wiper Plug is released from surface and used to displace the cement into the annulus. The Liner Wiper Plug lands in the Floatation Wiper Dart which releases it from the Collar. Both plugs then travel to a Landing Collar at the toe of the well, leaving a full bore casing string.

FEATURES:

- Short and Slim Design.
- Torque through during Makeup and RIH.
- One piece elastomer wiper fin provides a high performance seal.
- Aluminum plug provides fast and reliable drill out if necessary.
- Anti-Rotation mechanism for Wiper Dart in Atmospheric Collar and in Landing Collar.
- Wiper Dart is PDC Drillable.
- Adjustable Shear Screws.
- Reduced friction in the horizontal.
- Increased horizontal wellbore length.



Atmospheric Collar Technical Specifications											
Casing				Collar							
Size		Weight Range		ID		OD		Collar Length		Plug Length	
in	mm	lb/ft	kg/m	in	mm	in	mm	in	mm	in	mm
4.500	114.30	11.60 - 15.10	17.26 - 22.47	3.900	99.06	5.630	143.00	14.00	355.00	31.06	787.00

*Additional Sizes and Configurations Available
Contact WellBoss Representative for Tool Specific Specifications*