

600 Series - Slip-On, Welded, Close Tolerance Centralizer



When you find your drilling project in a tight spot, Antelope has you covered. Our 600 Series Slip-On Welded Close Tolerance Centralizers are specifically designed for close tolerance casing applications when restrictions are present. Their design provides a practical solution for sufficient restoring forces after passing through those restrictions, while keeping the starting and running forces at a minimum.

- Used in close tolerance well applications
- Recommended where tight restrictions are encountered
- Slip-on design with a smooth continuous bow profile
- Bows are inserted into the collar to allow minimum positive O.D.
- Slip-on end collars have enhanced mechanical integrity

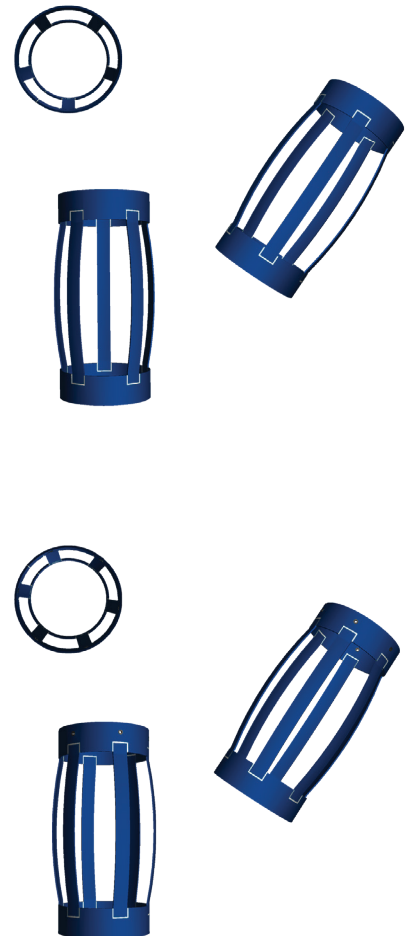
610 - SLIP-ON, WELDED, CLOSE TOLERANCE BOW SPRING

The 610 Series Centralizer consists of two slip-on, three-inch-long notched steel collars with straight bow springs that are welded to the end collars. These centralizers are normally run between two stop collars to provide the casing/liner a smooth bearing surface.

611 - SLIP-ON, WELDED, CLOSE TOLERANCE CENTRALIZER WITH SET SCREWS

An upgraded version of the 610 Series, this centralizer features an end collar with evenly spaced integral set screws that allow the centralizer to be pulled into the hole; a stop collar is not required. It is recommended for use on casing grades of P-110 and lower.

- Centralizers are designed and tested for specified casing and hole size combinations. Any attempt to run through smaller restrictions may cause excessive starting force and/or damage.
- Set screws recommended to be used on casing grades of P110 or below
- Install by evenly tightening set screws in a "star pattern" to prevent collar deformation, then torque set screws in the leading end collar to a maximum of 25ft. -lbs., or install centralizer between two stop collars
- Manufactured to customer specifications upon receipt
- Specify casing and hole restriction sizes when ordering. 1/4" under hole size
- Specify casing, hole and restriction sizes when ordering



Casing Sizes:	3-1/2" to 16"
Collar Material:	A36
Bow Spring Material:	AISI 4130



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640 - SLIP-ON, WELDED, EXTENDED BOW, CLOSE TOLERANCE CENTRALIZER

The 640 Series is a slip-on centralizer with straight extended bow springs welded to notched slip-on end collars.

641 - SLIP-ON, WELDED, EXTENDED BOW, CLOSE TOLERANCE CENTRALIZER WITH SET SCREWS

In addition to straight extended bow springs, this centralizer features evenly spaced integral set screws that allow the centralizer to be pulled into the hole and eliminate the need for a stop collar. The 641 Series is recommended for use on casing grades of P110 and lower.

- Centralizers are designed and tested for specified casing and hole size combinations. Any attempt to run through smaller restrictions may cause excessive starting force and/or damage.
- Set screws recommended to be used on casing grades of P110 or below
- Install by evenly tightening set screws in a "star pattern" to prevent collar deformation, then torque set screws in the leading end collar to a maximum of 25ft. -lbs., or install centralizer between two stop collars
- Manufactured to customer specifications upon receipt
- Specify casing, hole and restriction sizes when ordering



Casing Sizes:	3-1/2" to 16"
Collar Material:	A36
Bow Spring Material:	AISI 4130