

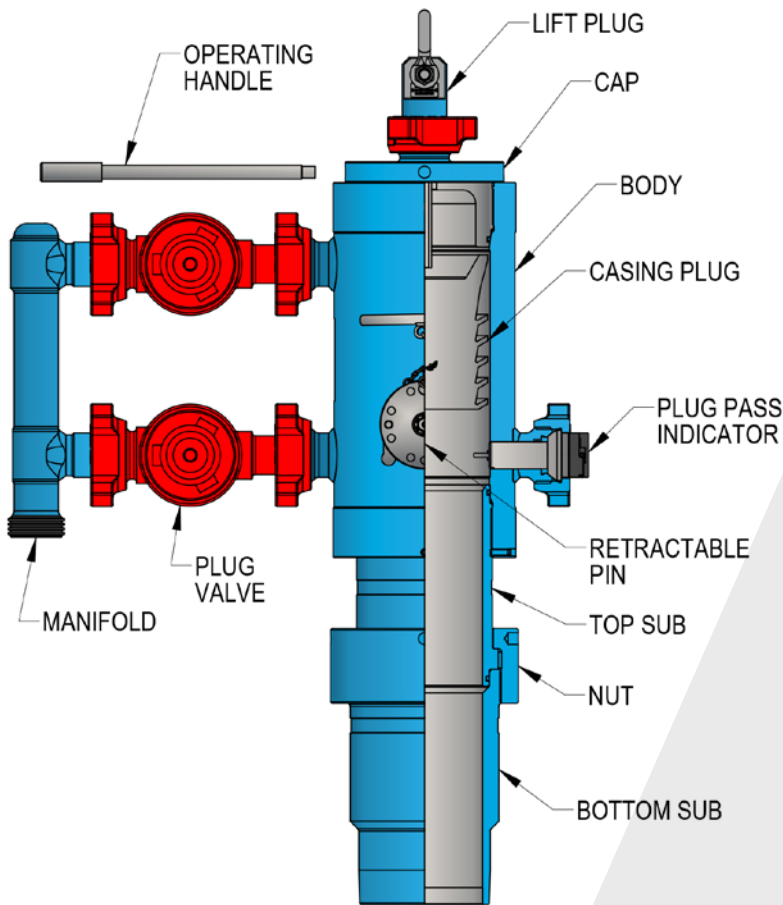
Cementing Products



ARGUS

Manufacturing Intelligent Solutions

CASING CEMENT HEAD



APPLICATIONS

- Argus Casing Cement Heads are available in a single plug or double plug configuration for primary, remedial, and stage cementing applications.
- May be used for vertical, horizontal or directional applications.
- May be configured for conventional or top drive rigs.

GENERAL INFORMATION

- The Argus Casing Cement Head is an attachment to the casing that provides the ability to replace the drilling fluid in the casing interior and borehole with cement slurry in the annulus and displacement fluid in the casing interior.
- The cement slurry is transferred from the pumper truck through the pump line and into the cement head via the manifold and plug valves.
- Argus Casing Cement Heads contain and release the casing plugs that are used to provide a barrier between the fluids that are pumped into the casing.

FEATURES

- Argus Casing Cement Heads support the full line of API casing sizes from 4 1/2" thru 20".
- Maximum Operating Pressure up to 10,000 PSI.
- Equipped with a robust self-contained retractable pin with a quick-start thread to hold the casing plug in place until it is ready to deploy.
- The plug chamber is designed to allow free fall of the casing plug, once the pin has been retracted.
- The Argus Quik-Connekt Adapter (AQC) allows for various types of casing connections (API or Premium) with a replaceable bottom sub.
- The AQC provides the ability to orient the cement head to the pump line without compromising make-up on the casing connection.
- The cement head cap may be substituted with an interchangeable top drive cap for use on top drive rigs.
- Lift capacities for cement heads with a top drive cap have been optimized to meet the equipment performance. Pressure versus lift charts are available on request.
- May be re-configured to meet the requirements of various plug lengths and styles.
- Equipped with an extra 2" Fig. 1502 hammer union inlet that provides access to the plug chamber for the installation of an Argus Plug Pass Indicator.
- The extra inlet is fitted with a 2" Fig. 1502 Male blind sub and nut. Argus Plug Pass Indicator is optional.
- An operating handle is provided with each casing cement head for installation and removal of the cap, and for assembling and dis-assembling the Argus Quik-Connekt (same handle for cap and nut).
- Lift plug c/w swivel for handling and installing the cement head.

DRILL PIPE CEMENT HEAD

APPLICATIONS

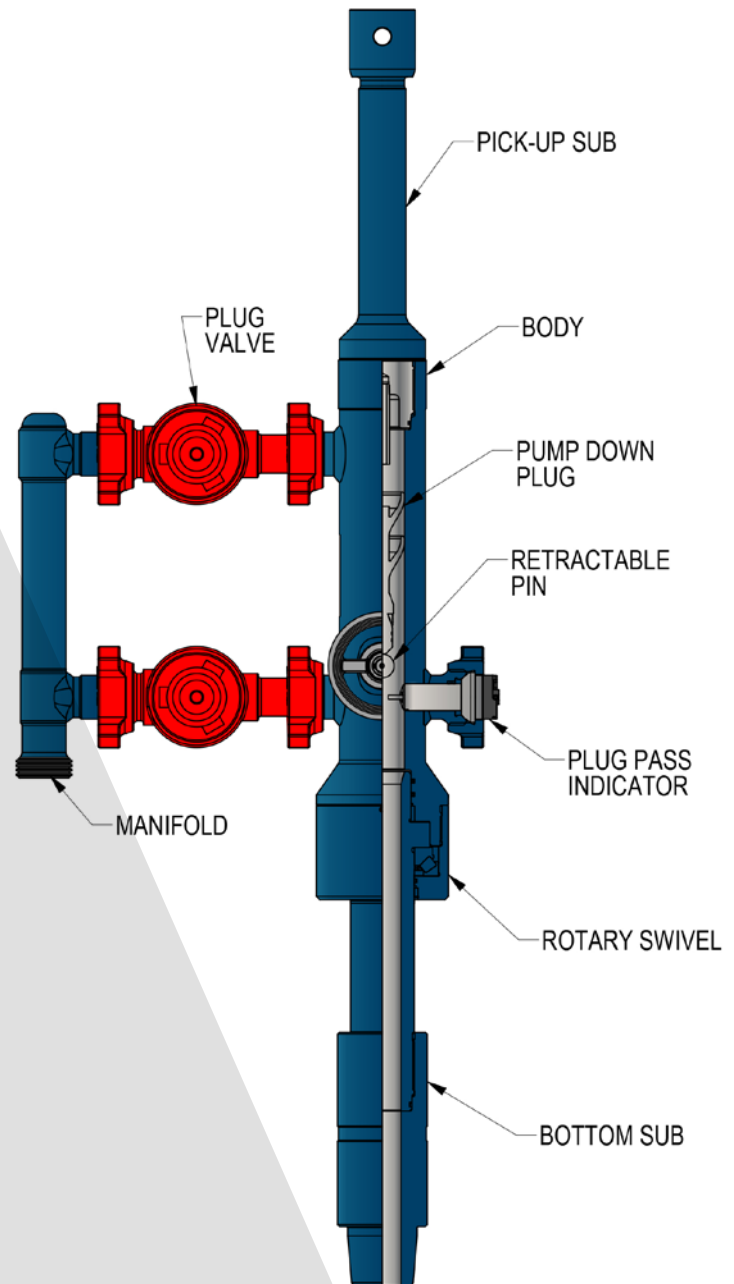
- Argus Drill Pipe Cement Heads are available in a single plug configuration for the installation of tie-back, stub, drilling and production liners.
- May be used for vertical, horizontal or directional applications.
- May be configured for conventional or top drive rigs.

GENERAL INFORMATION

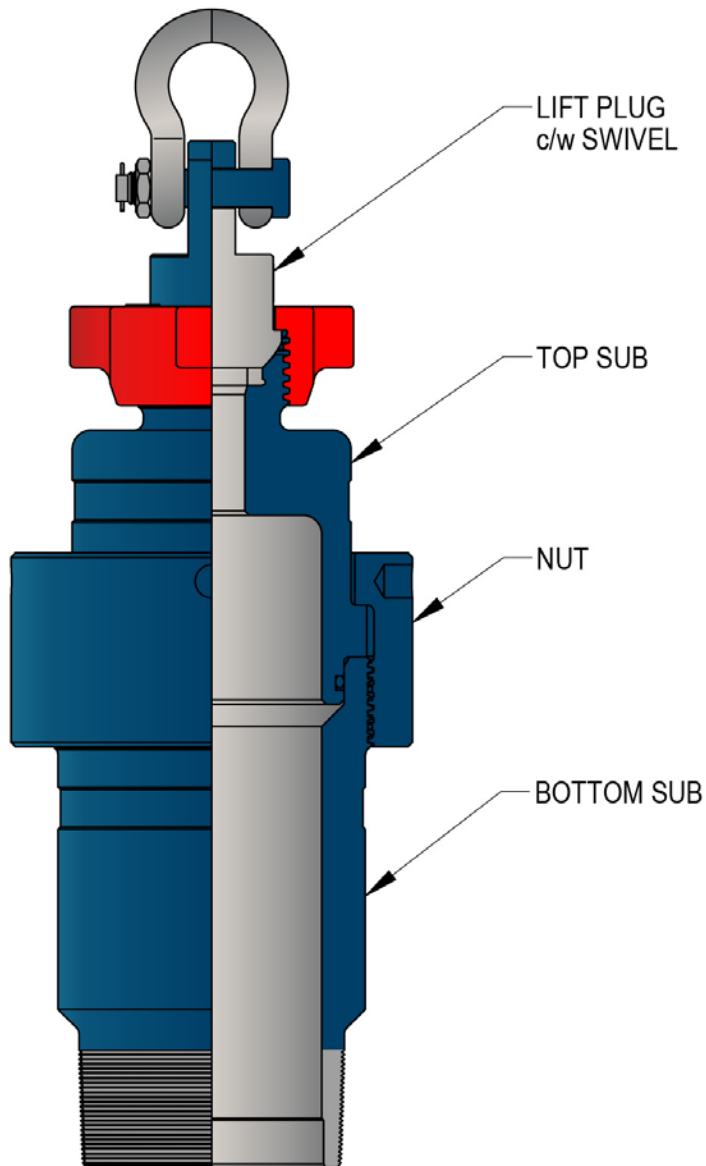
- The Argus Drill Pipe Cement Head is an attachment to the drill pipe that provides the ability to pump cement slurry down the drill pipe or running string to cement the casing liner in place.
- The cement slurry is transferred from the pumper truck through the pump line and into the cement head via the manifold and plug valves.
- Argus Drill Pipe Cement Heads contain and release the pump down plug which follows the cement slurry down the hole until the plug latches into the liner wiper plug. Pressure increases inside the drill pipe until pins are sheared in the liner wiper plug, allowing it to latch into the landing collar.

FEATURES

- Argus Drill Pipe Cement Heads are available in 3 1/2", 4" and 4 1/2" drill pipe sizes.
- Maximum Operating Pressure up to 10,000 PSI.
- Equipped with a robust self-contained retractable pin with a quick-start thread to hold the pump down plug in place until it is ready to deploy.
- Heavy duty bearing swivel below the head to permit rotation of the string to release the Liner Setting Tool.
- Lift capacities have been optimized to meet the equipment performance. Pressure versus Lift charts are available on request.
- May be re-configured to meet the requirements of various plug lengths and styles.
- Equipped with a 2" Fig. 1502 hammer union inlet that provides access to the plug chamber for the installation of an Argus Plug Pass Indicator.
- Argus Plug Pass Indicator is standard equipment on Drill Pipe Cement Heads.
- Pick-up sub for handling and installing the cement head as well as lifting the string.



CASING CIRCULATING CAP



APPLICATIONS

- The Argus Casing Circulating Cap is a substitute for the Casing Circulating Swage which circulates fluids to flush and clean the well bore after the casing is run.
- May be used as a handling plug for installing a bottom sub onto the casing string.
- May be used to pressure test the casing string.

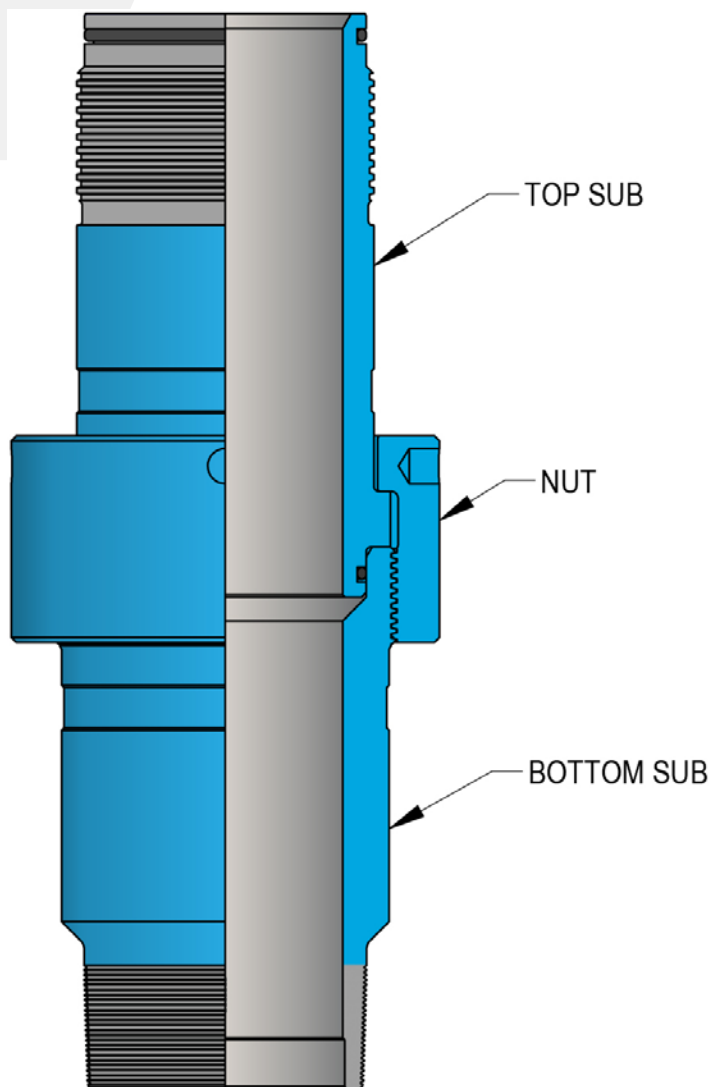
GENERAL INFORMATION

- The Argus Circulating Cap is an attachment to the casing that provides the ability to circulate fluids prior to the cementing operation.
- Hole conditioning is very important as it prepares the well for better displacement of the cement slurry, improved fluid movement, removal of residual gases in the drilling fluid, and removal of any gelled drilling mud and formation filter cake which may be present after drilling is completed.
- The circulating fluid is transmitted from the pumper truck through the pump line and into the circulating cap via the 2" Fig. 1502 inlet on top of the assembly.
- Remove the lift plug to attach the pump line.
- The bottom sub may be threaded with an API or Premium connection to attach to the casing string.

FEATURES

- Argus Casing Circulating Caps support the full line of API casing sizes from 4 1/2" thru 20".
- Maximum Operating Pressure up to 10,000 PSI.
- Lift plug c/w swivel for handling and installing the circulating cap.
- Wrench style nut with operating handle.

QUIK-CONNENKT ADAPTER



APPLICATIONS

- The Argus Quik-Connekt Adapter connects an Argus Casing Cement Head to the top of the casing string.
- May be used as a casing quick connection when the top sub has a casing thread and no transmission of torque is required.

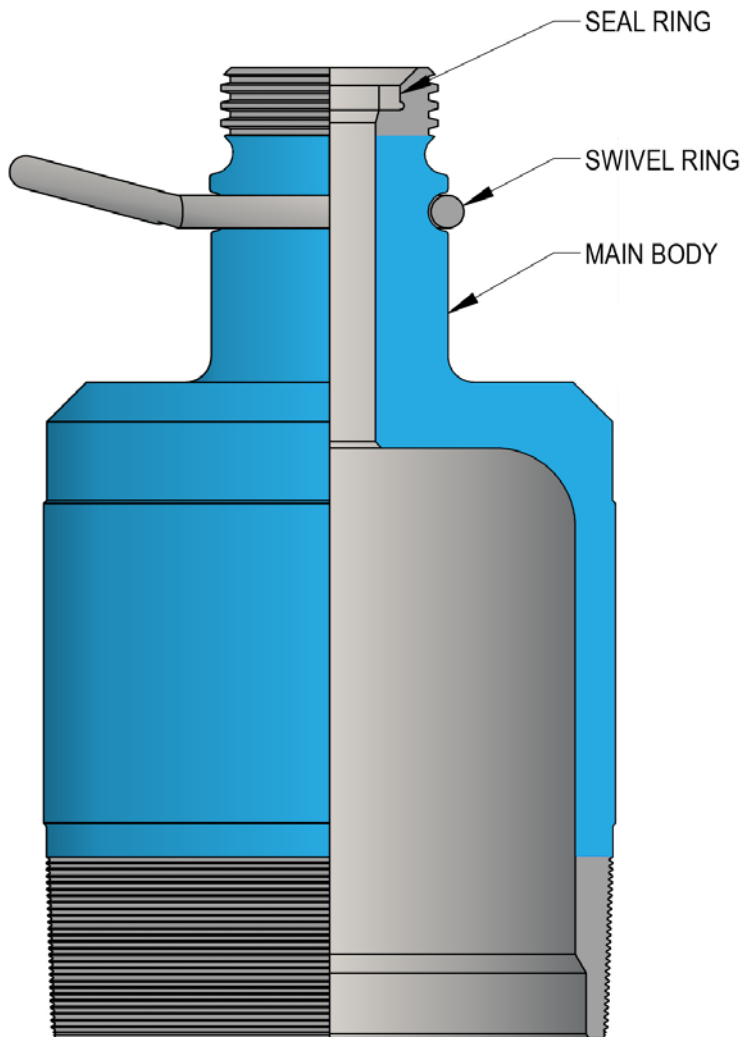
GENERAL INFORMATION

- The Argus Quik-Connekt Adapter is an attachment to the bottom of a Casing Cement Head which allows the head to be installed on the casing without rotating.
- Allows the head to be oriented to the pump line without compromising make-up on the casing connection.

FEATURES

- Argus Quik-Connekt Adapters support the full line of API casing sizes from 4 1/2" thru 20".
- Maximum Operating Pressure up to 10,000 PSI.
- Wrench style nut with operating handle.
- Top sub with API or Premium casing connection (optional).

CASING CIRCULATING SWAGE



APPLICATIONS

- The Argus Casing Circulating Swage circulates fluids to flush and clean the well bore after the casing is run.
- May be used for cementing larger sizes of conductor pipe or shallow surface casing.
- May be used for well control when running casing as it permits circulation if the well starts to flow during installation of the casing.

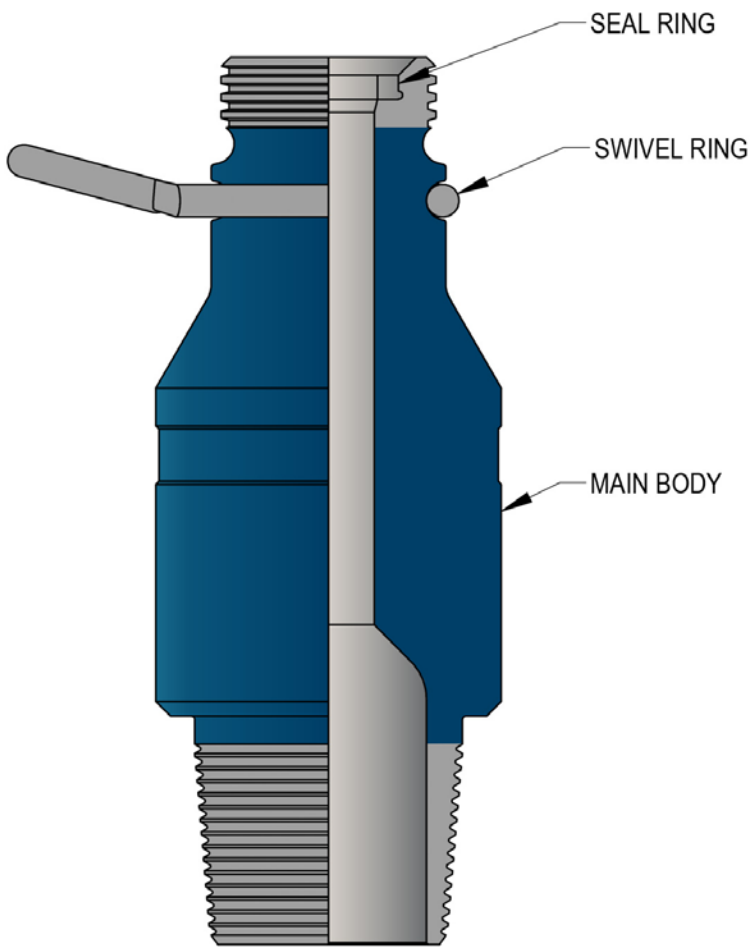
GENERAL INFORMATION

- The Argus Casing Circulating Swage is an attachment to the casing that provides the ability to circulate fluids prior to the cementing operation.
- Hole conditioning is very important as it prepares the well for better displacement of the cement slurry, improved fluid movement, removal of residual gases in the drilling fluid, and removal of any gelled drilling mud and formation filter cake which may be present after drilling is completed.
- The circulating fluid is transferred from the pumper truck through the pump line and into the circulating swage via the 2" Fig. 1502 inlet on top of the swage.
- The swage may be threaded with an API or Premium connection to attach to the tubing or casing string.

FEATURES

- Available in 2 3/8" through 4 1/2" API tubing sizes.
- Available in 4 1/2" through 20" API casing sizes.
- Maximum Operating Pressure up to 10,000 PSI.
- Swivel ring for handling purposes.

DRILL PIPE CIRCULATING SWAGE



APPLICATIONS

- The Argus Drill Pipe Circulating Swage is used to maintain pressure and circulation while conducting oilfield drilling.
- Circulates fluids to flush and clean the well bore.

GENERAL INFORMATION

- The Argus Drill Pipe Circulating Swage is an attachment to the drill pipe that provides the ability to circulate fluids and maintain pressure in the well bore when drilling operations are suspended.
- The circulating fluid is transferred from the pumper truck through the pump line and into the circulating swage via the 2" Fig. 1502 on top of the swage.

FEATURES

- Available in 2 3/8" through 8 5/8" API drill pipe sizes.
- Maximum Operating Pressure up to 10,000 PSI.
- Swivel ring for handling purposes.



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