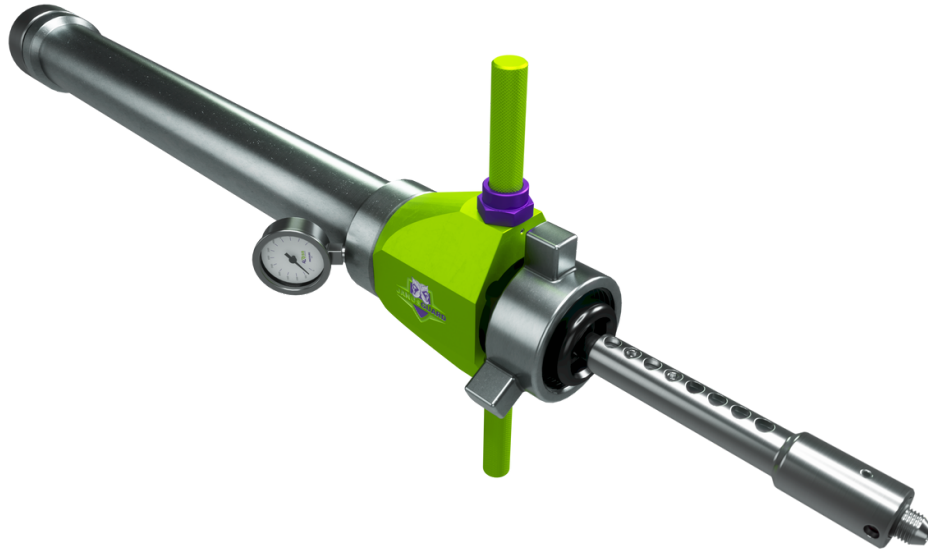


TELESCOPING RETRIEVER

Janus™ Guard as Standard



Innovating Safety Saving Lives

The advantage is simple, the Janus™ guard can save lives. It can do this by preventing telescoping tools from pistoning, and therefore removing the 'line of fire'.

Telescoping tools have been in use for over half a century. The design is unchanged and until now there has been no innovation related to the tools or the access system itself. It's estimated that hundreds of online retrievals are performed every day without incident, yet many do lead to incidents and this range in severity from loss of containment to fatalities.

Through our patented design we have made it possible for legacy tools to be made safer by adding the Janus™ guard which is supplied as the Janus™ Retrokit. All Axess retrieval tools are supplied with the Janus™ guard fitted. Combined with Janus™ Tri-Seal Axess Fitting and the Janus™ double seal / double isolation service valve, Axess provide the safest solution for your internal corrosion monitoring hardware.

**OPERATING PRESSURE
UP TO 6000PSI / 413
BARG**

**TEMPERATURE UP TO
230°C / 446°F**

**4 STANDARD STROKE
LENGTHS AND CUSTOM
LENGTHS AVAILABLE**

**SAFETY ANCHORS
AUTO-DEPLOY**

**UNIONS WITH ALL
SERVICE VALVES -
CHOOSE THE JANUS™
VALVE FOR SAFETY**

Technical Specifications

All Axess retrieval tool barrels are machined from NACE MR0175 qualified 17-4 stainless steel. The inside of the outer barrel, and the outside of the inner barrel, has a hard chrome finish. This provides the tool with better sealing abilities, less friction and longevity of service.

Retriever seal materials are a combination of Viton O-rings and Carbon Graphite PTFE with Elgiloy Springs. Other materials are available upon special request.

Replacement components are available as well as seal kits and spare part kits.

All complete retriever kits are supplied in a custom foam lined NK-7 resin cases with roller wheels and handles. Ideal for marine environments and easy transportation.

Additional Safety Advantages

The Janus™ Guard reduces the dependency of back pressure techniques that are not always available, practical or possible.

- Removes the risk related to pressure surges
- Removes the risk of inaccurate pressure verification
- Anchors provide a visual indication of the carrier plug position

The outer barrel is locked in position which is ideal for bottom of the line locations or when moving the tool from one location to another.

- No room for pinch point injury
- Easy Assembly - No pressurized parts
- Minimal maintenance

What causes a tool to piston?

All online retrieval tools are designed for pressure balance between the tool and the process. Equalization can be achieved through the carrier plug design, but back pressure techniques are the preferred method for most due to the unreliability of the original design and lessons learned from reported incidents.

The risks with back pressure tools

Back pressuring provides benefits to the retrieval process, especially on bottom of the line fittings and so we do not aim to remove or replace this practice.

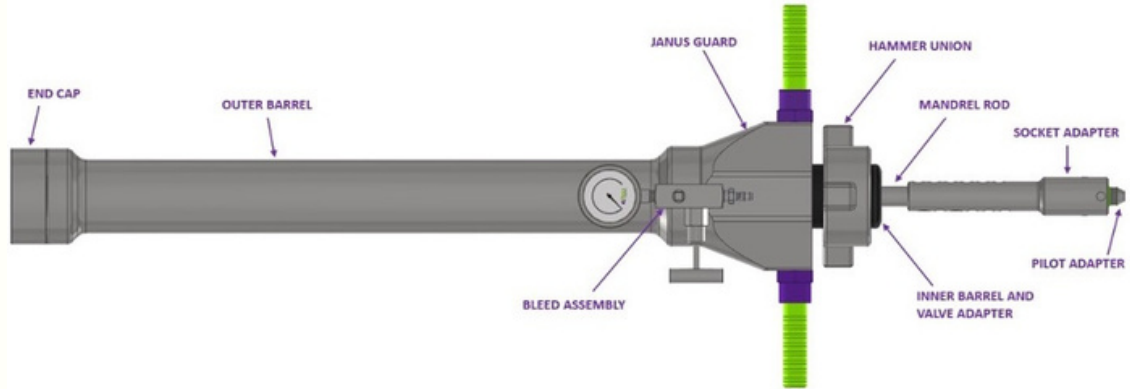
The risks stem from equipment availability, calibration and the practicalities with using the equipment during every retrieval. Accurate pressure verification is critical and not always possible.

The Janus™ Guard reduces risk

A physical barrier prevents the uncontrolled extension of the outer barrel. Anchors auto-deploy and lock the outer barrel into position allowing for the safe removal of the carrier plug from the access fitting. Once the fitting is completely disengaged, pressure balance is achieved and verified. Only then can the anchors be retracted for full outer barrel extension and the safe retrieval of the device.

Janus™ Retrokit





Part Number	Stroke Length (Inches)	Collapsed Retriever Length (Inches)	Extended Retriever Length (Inches)	Weight (lbs)	Removal Clearance (Inches)	
					Single Valve	Double Valve
AX-TRTJA-14	14	24.5	38.5	57	47.25	50.25
AX-TRTJA-18	18	28.5	46.5	61	55.25	58.25
AX-TRTJA-25	25	35.5	60.5	69	69.25	72.25
AX-TRTJA-37	37	47.5	84.5	86	93.25	96.25
AX-TRTJA-49	49	59.5	108.5	104	117.25	120.25



Janus Guard Routine Retrieval Operation



Innovating Safety...

