

FLOAT EQUIPMENT ASSURANCE

Utilising

FloatCHECKER™ PT

“Don’t wait until it’s in the well to find
out your
Float Equipment can’t stand the load”

SUDELAC®



9.5/8" FloatCHECKER Assembly

Product:

FloatCHECKER™ PT (Pressure Test) Test Pod

The Sudelac FloatCHECKER™ PT is specifically designed to safely pressure and load test float equipment

(Domestic and International Patents Pending)

Why use FloatCHECKER?

SUDELAC®

- Float Equipment is API Type approved to RP10F (2003)
- There are several levels of RP10F
- RP10F 11C is the highest at 5,000psi/204C
- **Float Equipment is not pressure or load tested post manufacture as a complete finished item by the manufacturers**
- Present Rig Floor checks prove nothing more than valves open and close as no real load is applied
- **There is no industry standard for certifying/checking float equipment post manufacture/assembly after receipt**
- Float Equipment failures are often time consuming and costly, and could present un-safe well conditions

Why use FloatCHECKER?

SUDELAC®

- The first time most float equipment is load tested is at the end of the cementing operation
- Lack of QA/QC during ware-house and pipe-yard storage, preparation, shipping, handling, installation both onshore and offshore
- Inconsistent criteria for shelf life of float equipment and when float equipment should be disposed of due to degradation
- Most operators dispose of float equipment eventually based on age alone, some sooner than others, but not based on QA/QC
- Other oilfield equipment is pressure and load tested properly prior to use. Why not float equipment?

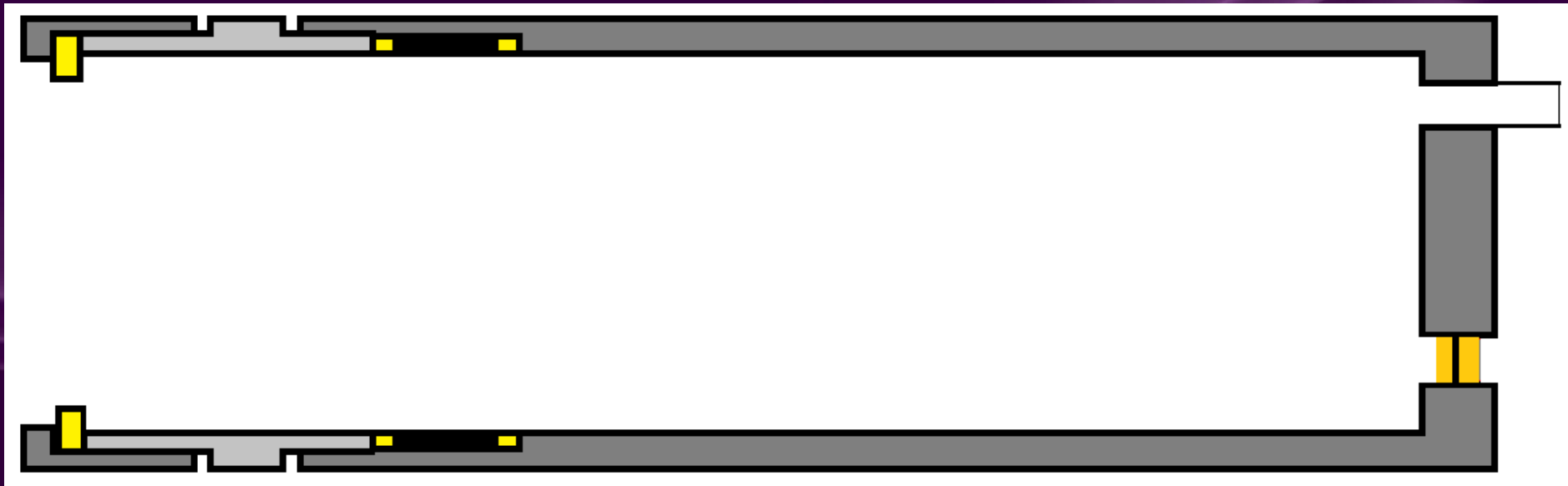
How to reduce your risk of in well failure

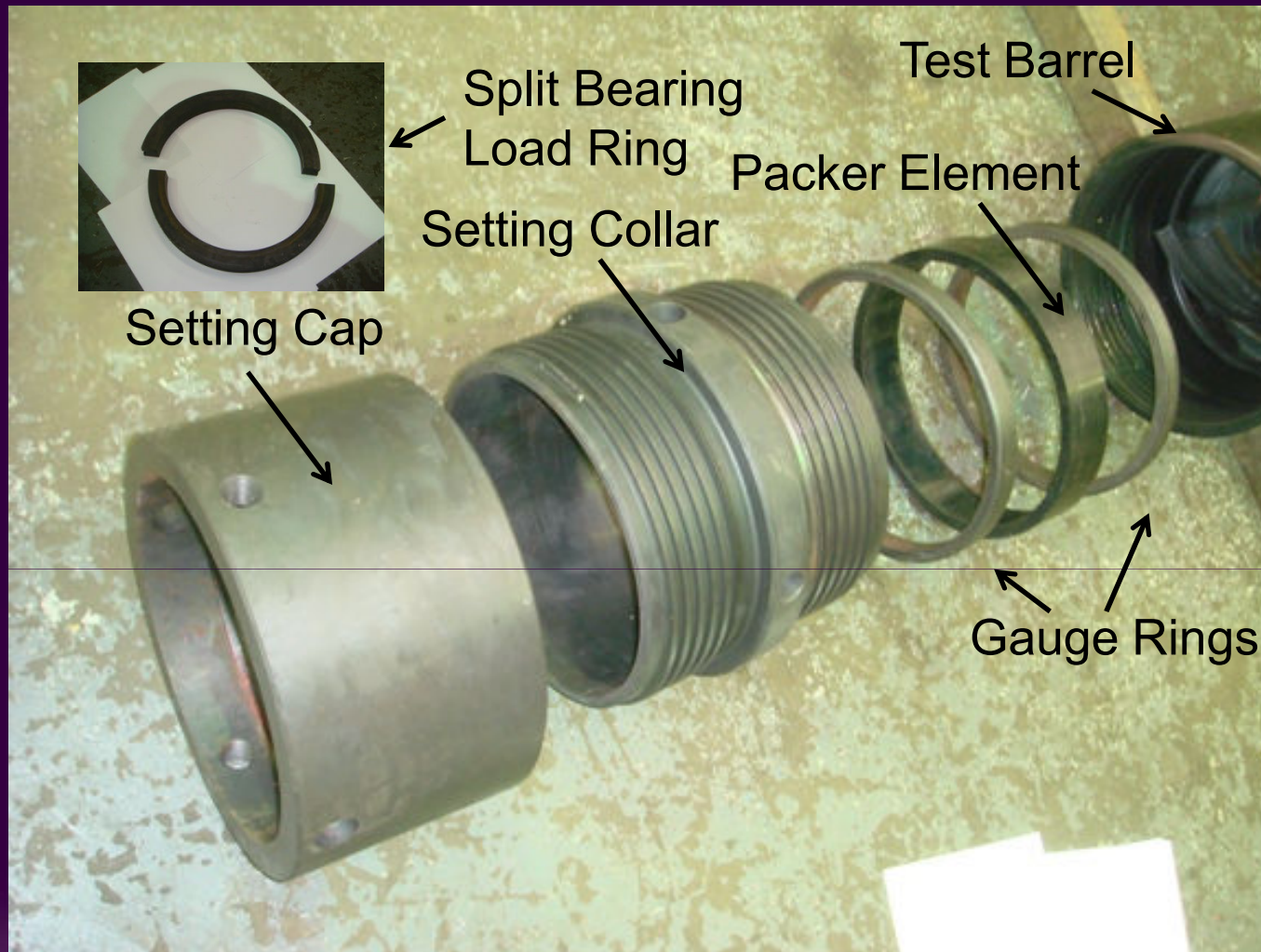
What FloatCHECKER testing do for you:

- Ensures integrity of all new float equipment
- Provides trace-able pressure and load test documentation
- Ensures risks of failure, however small, are reduced through systematic QA/QC process
- Ensure older stock of float equipment is still fit for purpose
- Test process loads cement on float collar as if plug bumping
- No risk to threads as not used, can test blank float equipment
- Testing process can detect manufacturing faults, handling/shipping damage, storage/age deterioration issues

FloatCHECKER™ PT (Pressure Test) Test Pod

FloatCHECKER™ PT (Pressure Test) Test Pod is an assembly of parts to form the testing vessel that will hold onto and seal around the float item



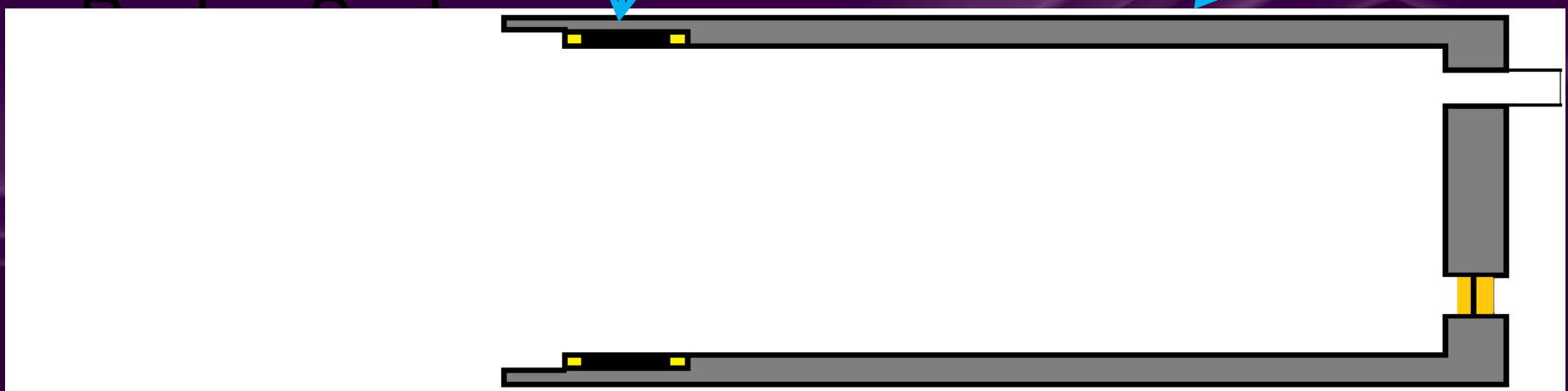


View of major parts that connect to form seal around OD of float item

The FloatCHECKER™ Test Barrel is ready to accept a float item

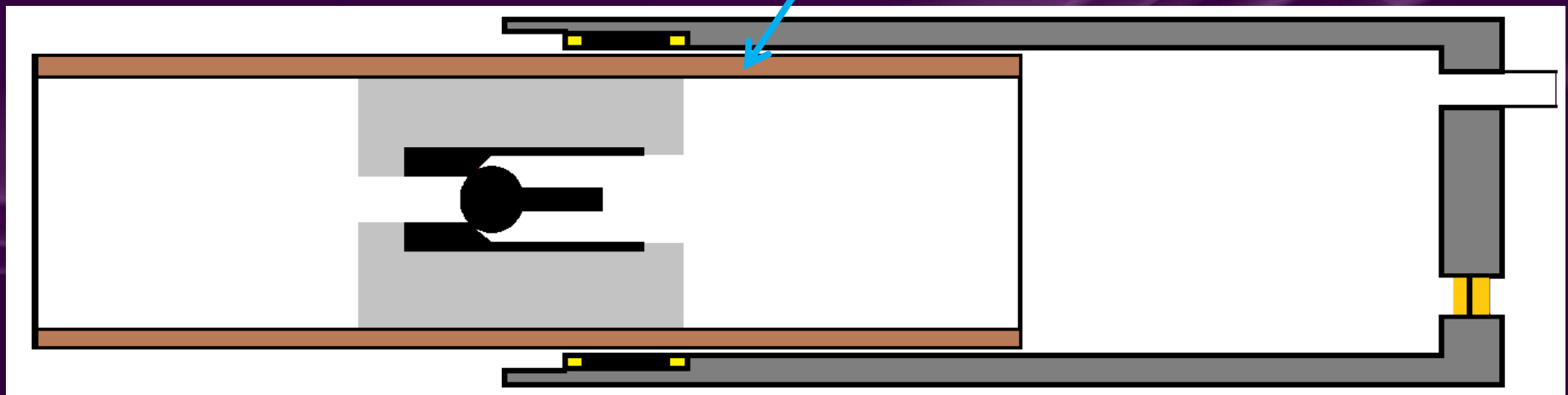
Packer Element

Test Barrel



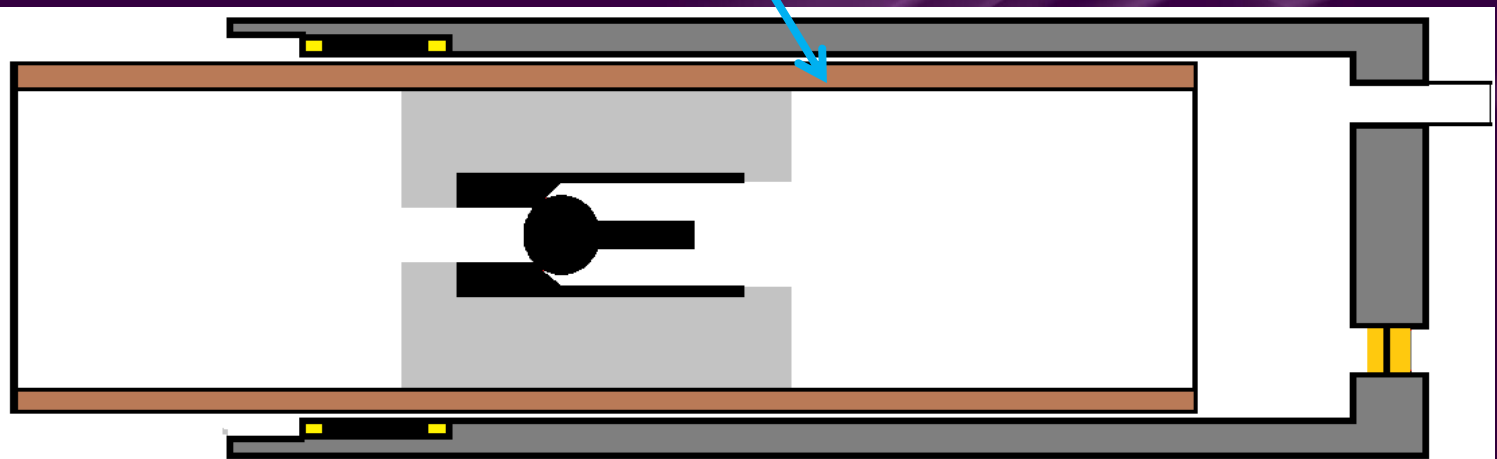
The float item is placed inside the
FloatCHECKER™ Test Barrel

Float Collar



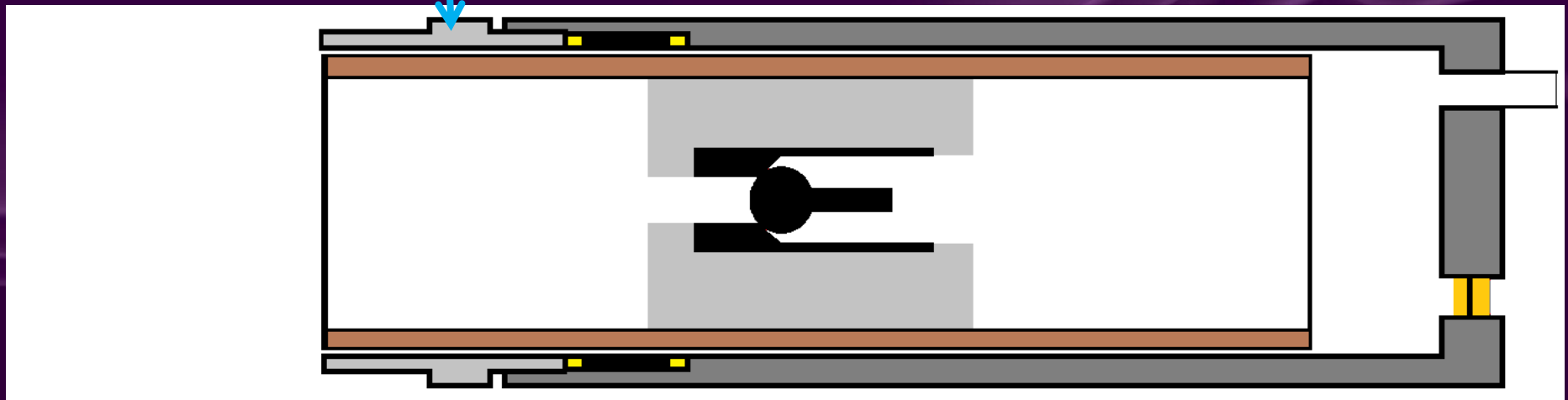
The float item is placed inside the
FloatCHECKER™ Test Barrel

Float Collar

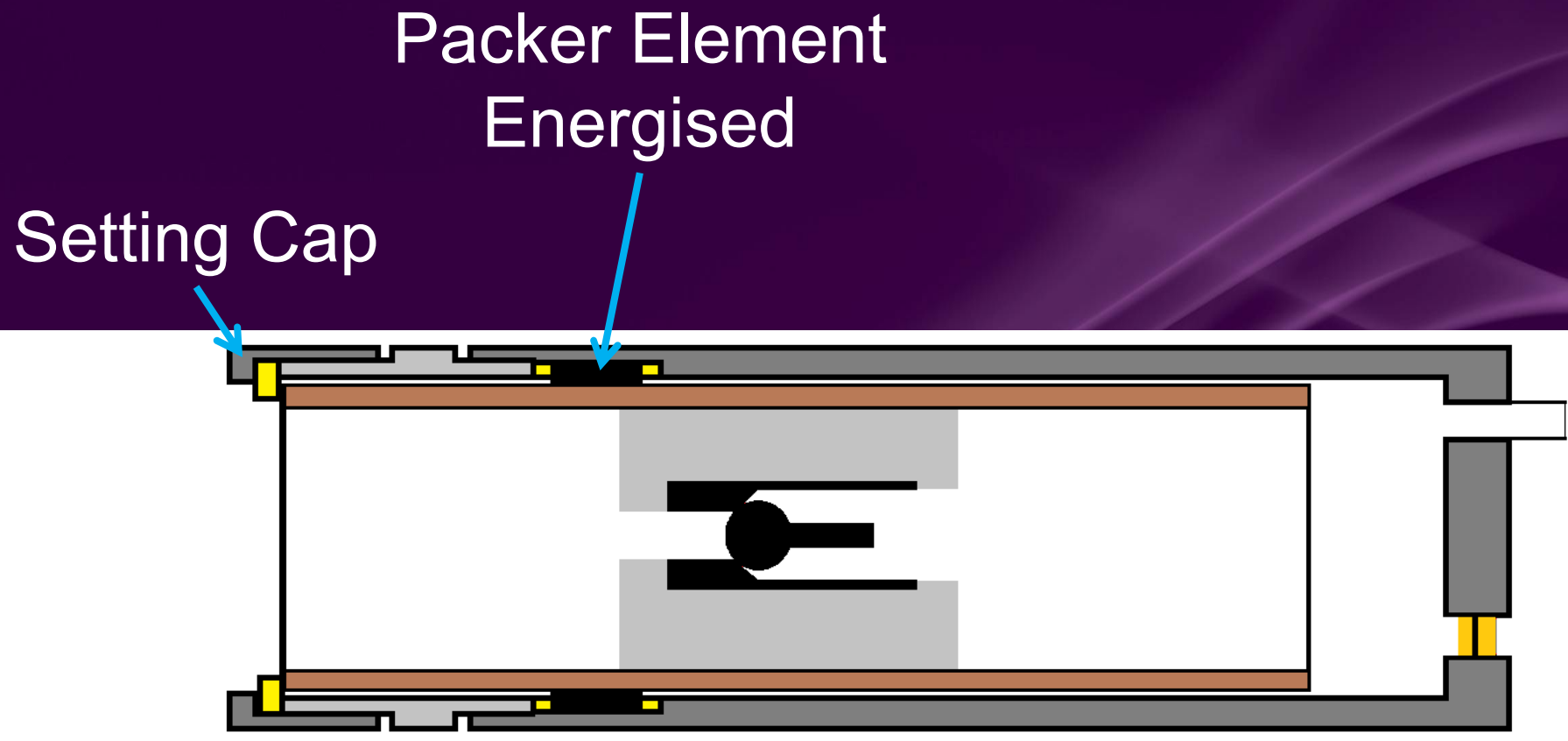


The Setting Collar is threaded into the
FloatCHECKER™ Test Barrel

Setting Collar

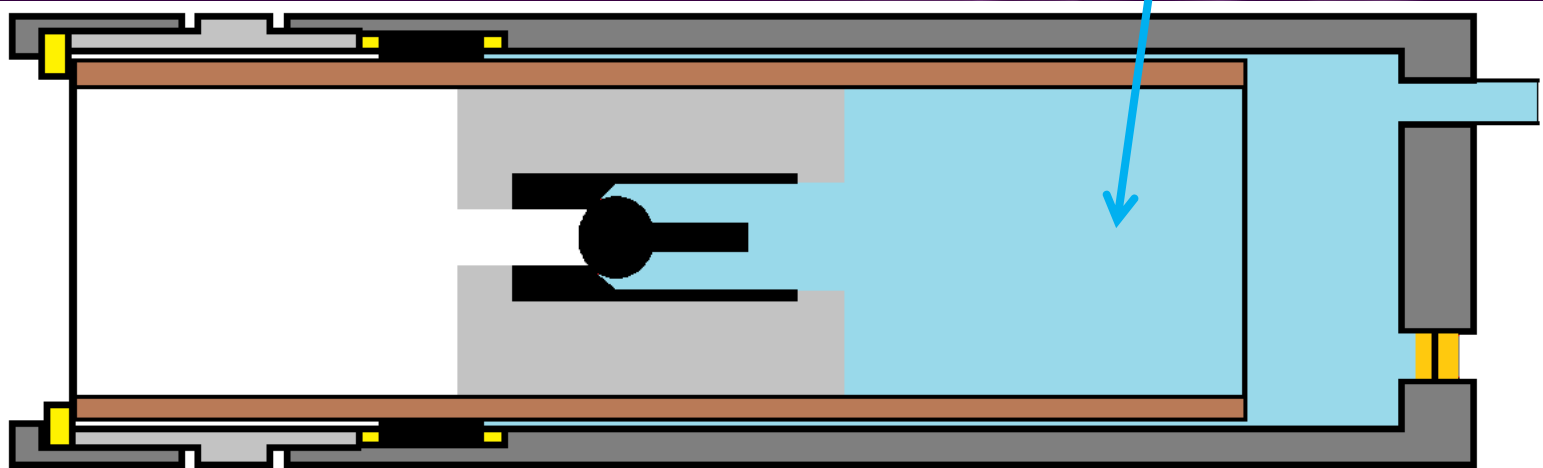


The Setting Cap is added and the assembly threaded into the FloatCHECKER™ Test Barrel
(This energises the Packer Element)



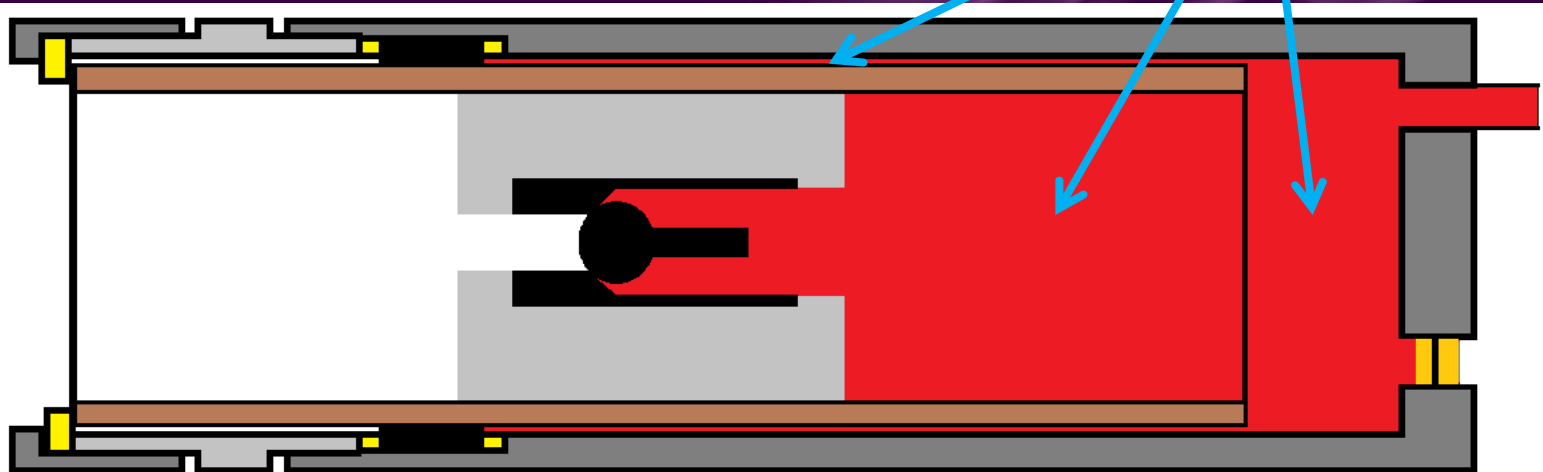
The FloatCHECKER™ Test Barrel is filled with the test medium

Test Medium



The pressure is applied and tests the float valve/s
and retention mechanism

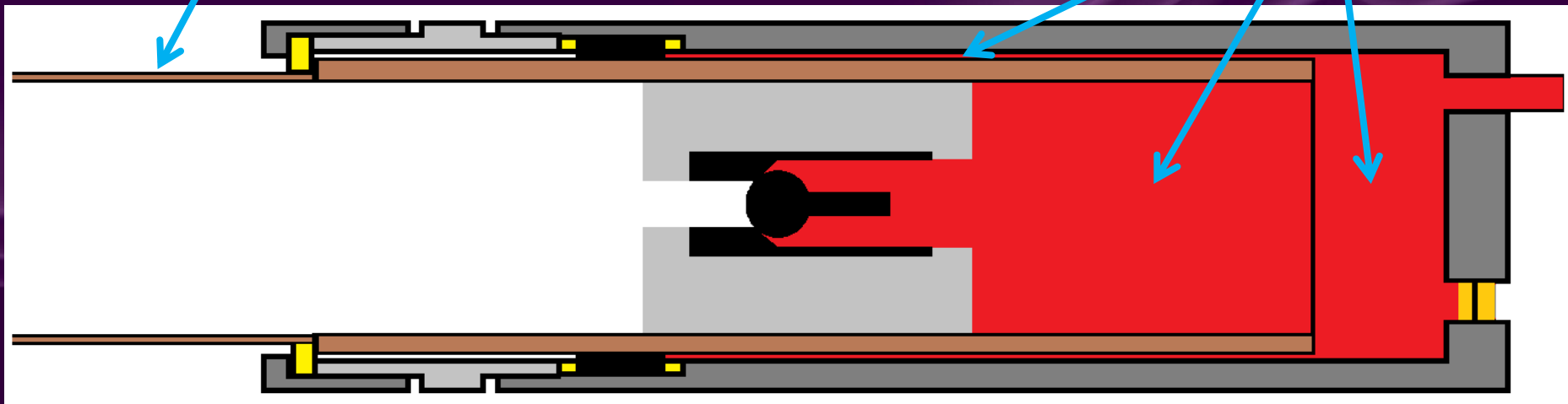
Pressurised



The pressure is applied and tests the float valve/s and retention mechanism (whilst on a casing joint)

Casing Joint

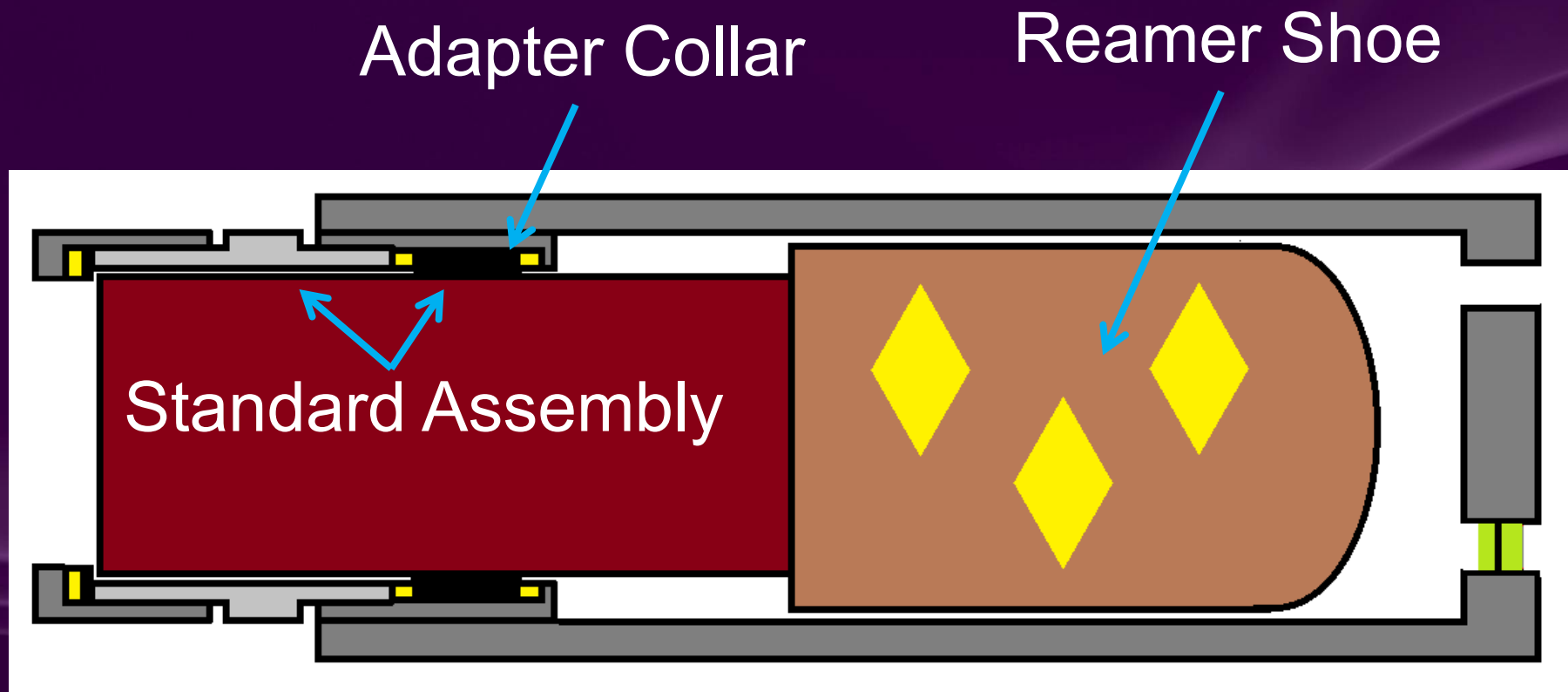
Pressurised





9.5/8" FloatCHECKER PT installed
over a float shoe on end of joint

A reamer shoe can be tested by using a standard
FloatCHECKER c/w Adapter Kit



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For more information
contact info@sudelac.com
or go to www.sudelac.com