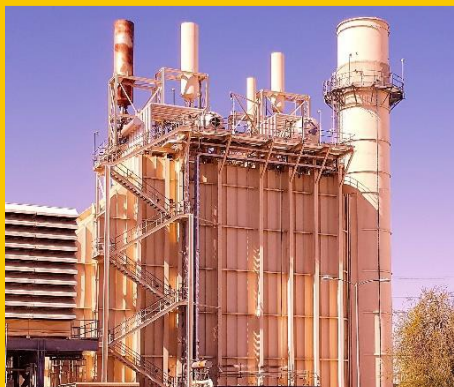


REMINGTON VALVE

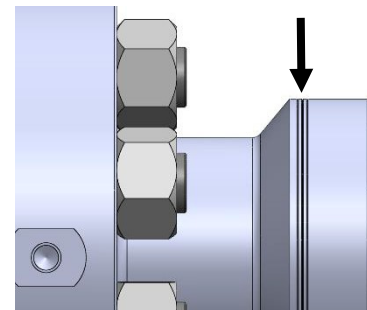
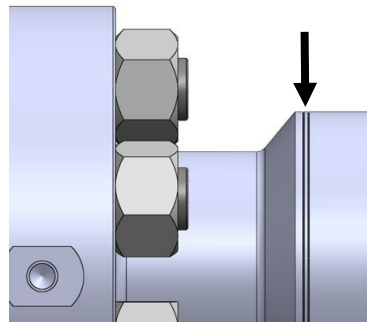
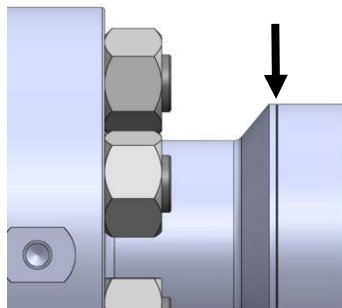
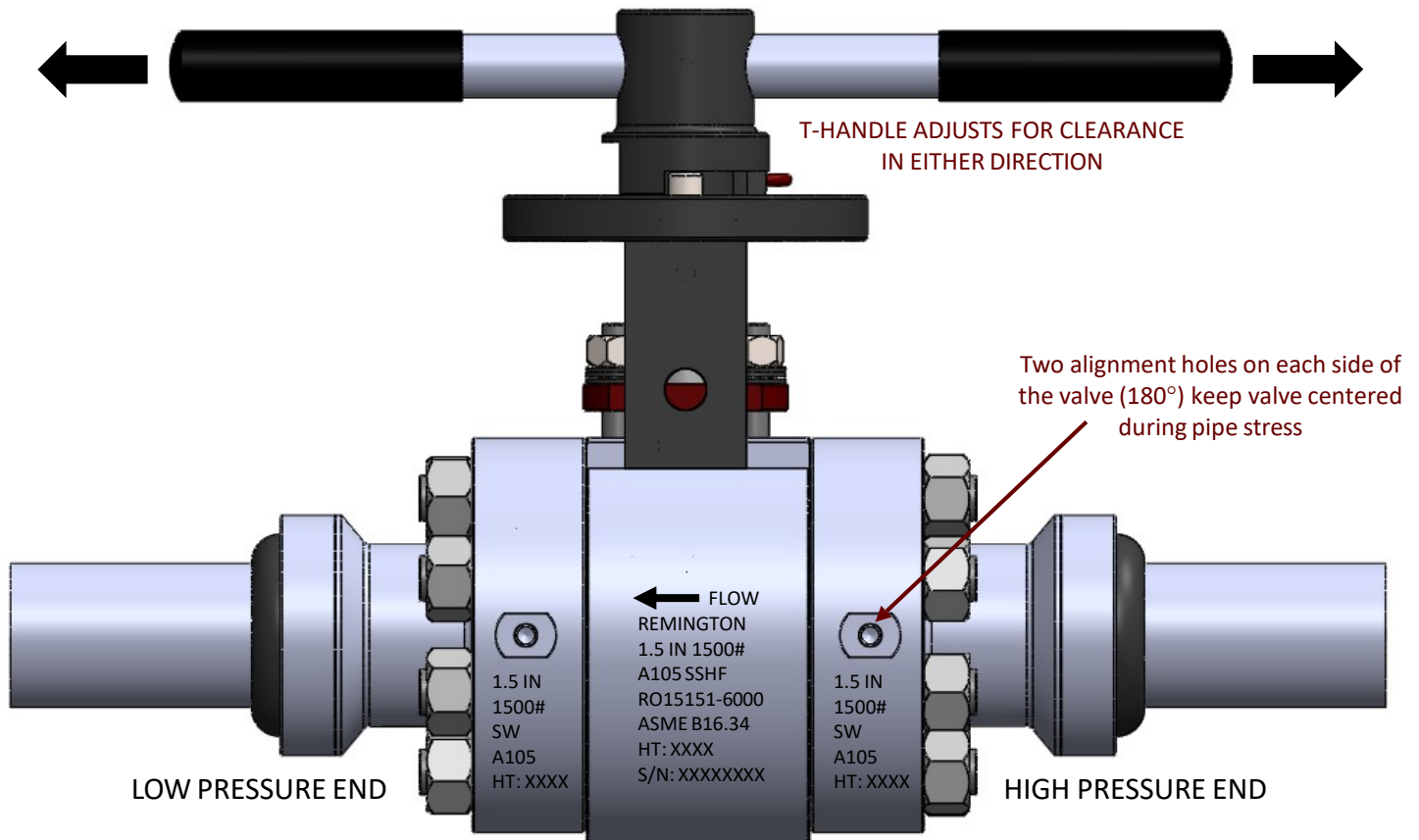
Severe Service Ball Valves



ACTUATION INSTALLATION

Manufactured in Houston, Texas

Made to measure, built to last.



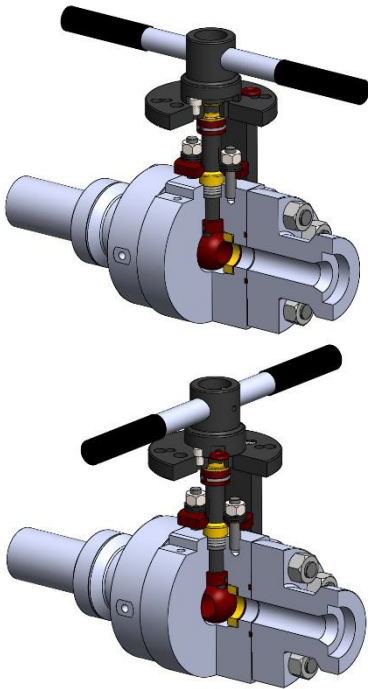
POST WELD HEAT TREAT GUIDE LINE PER B31.1

NOTE: Make sure the arrow points towards lowest pressure side.

ALL REMINGTON VALVES ARE TESTED AT THE FACTORY PRIOR TO SHIPMENT TO B16.34 REQUIREMENTS

- HYDROSTATIC SHELL TEST AT 1.5 TIMES THE 100°F RATED WORKING PRESSURE
- HIGH PRESSURE LIQUID SEAT CLOSURE TEST AT 1.1 TIMES THE 100°F RATED WORKING PRESSURE
- LOW PRESSURE GAS TEST AT 80 PSIG.

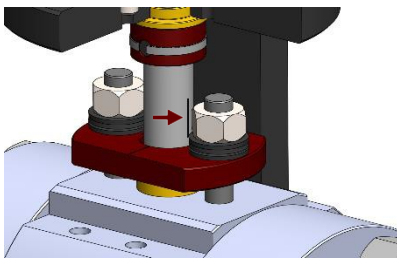
Remington test to Class VI shut off



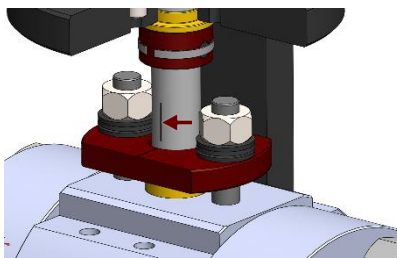
- Handle in-line with flow indicates valve is OPEN.

- Handle Perpendicular to flow indicates valve is CLOSED.

SCRIBE LINE ON STEM

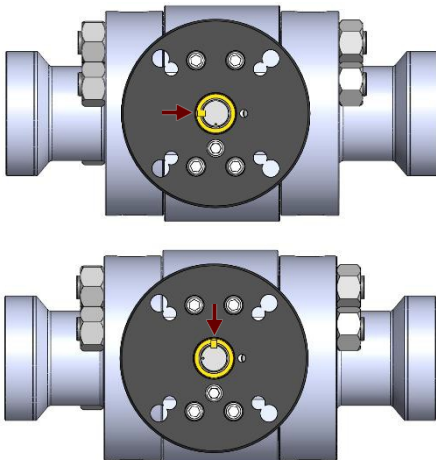


- Scribe line on stem in-line with flow indicates valve is OPEN.



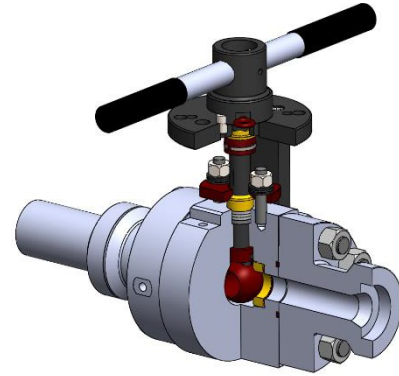
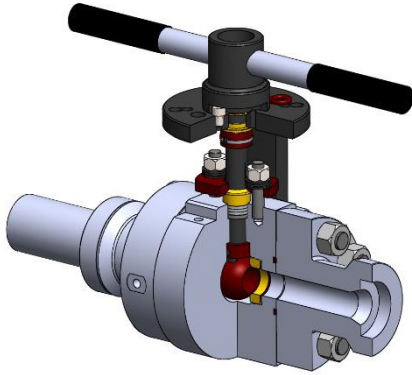
- Scribe line on stem perpendicular to flow indicates valve is CLOSED.

KEY POSITION ON STEM



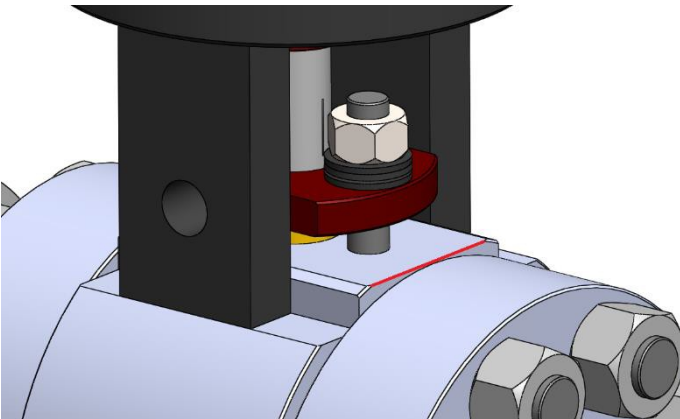
- Key position on stem facing downstream indicates valve is OPEN. Dot on top of stem indicates lapped side of ball.

- Key position on stem perpendicular to flow indicates valve is CLOSED. Dot on top of stem indicates lapped side of ball.



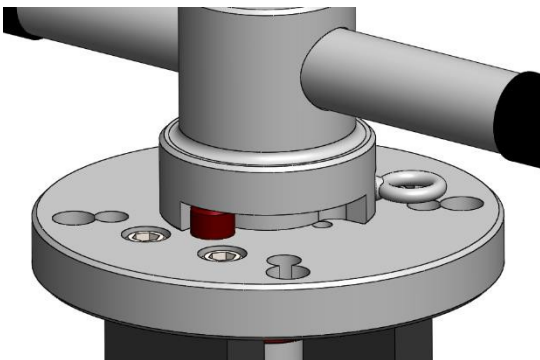
- After installation, **OPEN** and **CLOSE** the valve to ensure smooth operation.

INSULATION HEIGHT

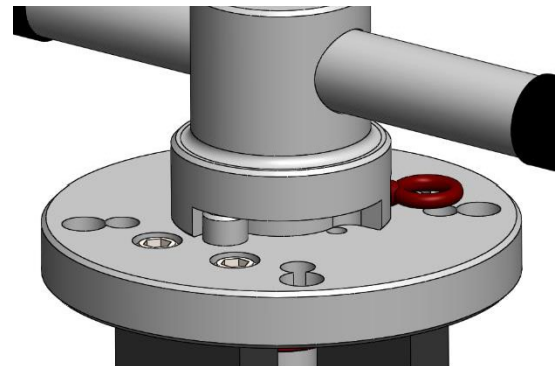


- Do **NOT**, if possible, apply insulation above the body flat. (Red Line)

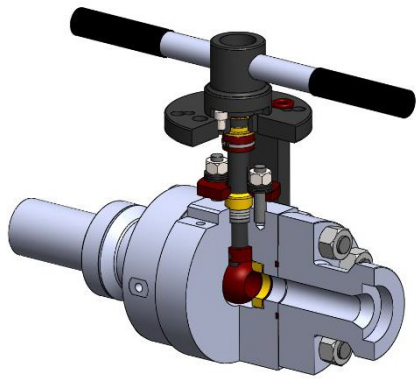
OPERATION & MAINTENANCE



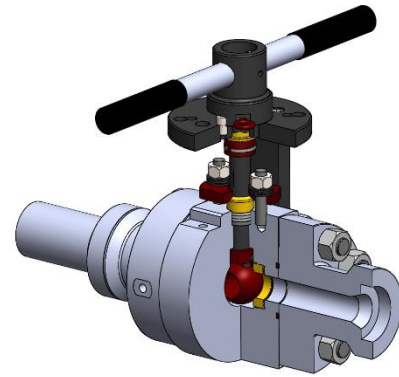
- Precision mechanical stop to locate the **OPEN/CLOSED** positions.



- Lockout devices can be used to provide secure **OPEN/CLOSED** positions.



- Counter clockwise to OPEN.



- Clockwise to CLOSE.

WARNING:

VALVE SHOULD BE POSITIONED IN THE FULL **OPEN** OR **CLOSED** POSITION. THROTTLING IS **NOT** RECOMMENDED AND WILL REDUCE THE LIFE OF THE VALVE AND VOID THE WARRANTY.

OPEN/CLOSE THE VALVE YEARLY: Valves should be operated at least once a year.

TIGHTEN PACKING: Re-tighten packing gland after its first exposure to elevated pressure and temperature. Check packing gland periodically, and re-torque if necessary.

REMINGTON VALVES REQUIRE NO INTERNAL LUBRICATION

ACTUATOR INSTALLATION

NOTE: Verify that the actuator is properly sized.

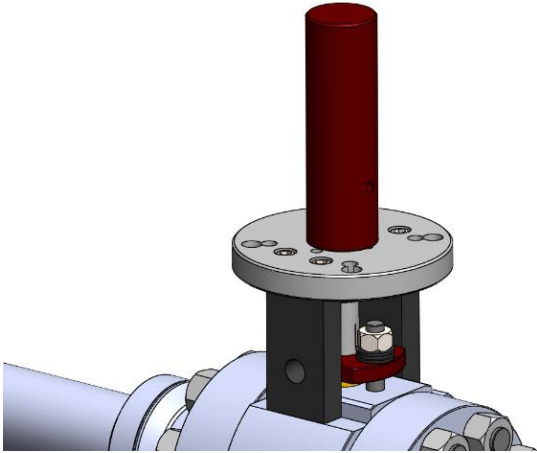
Remington provides torques with built in safety factors. Our safety factors are the following:
30% clean service (Steam).

50-75% on Hot Dry service (Hot Air).

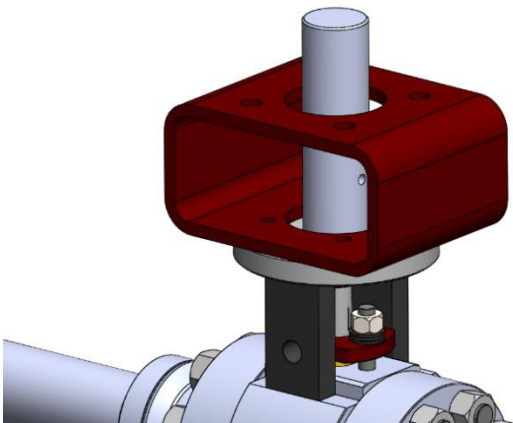
2X min for Solids Handling and Slurry with low percentage solids.

Heavy solids large particles 3X or 4X (Mining Slurries).

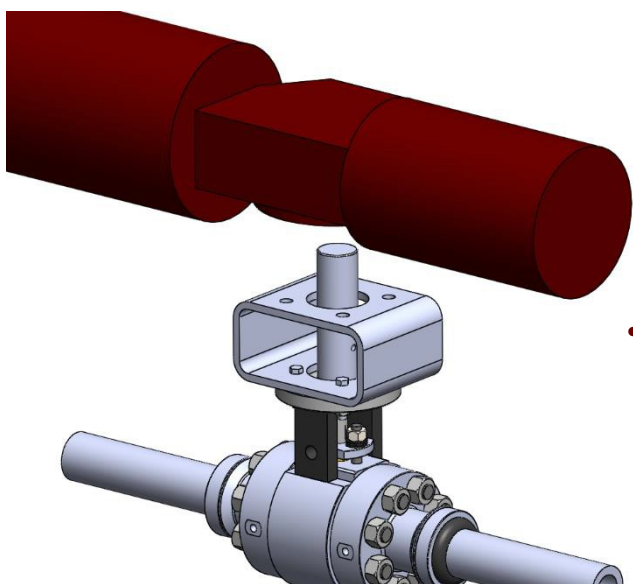
Run torque is 60-65% of break and re-seat torque. Run torque starts 10-20 Deg from start of rotation and ends 10-20 Deg before closed position. Make sure your actuator has enough torque for break 10-20 degrees going off seat and back on. (Scotch yoke torques drop dramatically from start). 10-20 Degrees depends on bore size of valve 2 " and below 10 Deg, larger bore valves 20 Degrees.



- Dry fit coupler on the valve stem. **Do NOT force the coupler on to the valve stem.**
- Coupler should slide easily over stem with no binding.
- Make sure coupler is not contacting mounting flange or any other stationary parts of mounting flange assembly.
 - Use anti-seize on metal-to-metal parts.
- Place valve in fail position (actuator position fail open or closed).

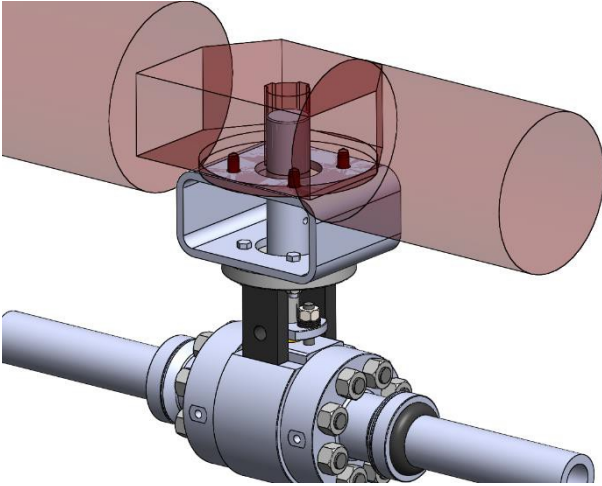


- Place mounting bracket on the mounting flange and hand tighten the fasteners.
- Make sure that bracket lays flush with mounting pad.



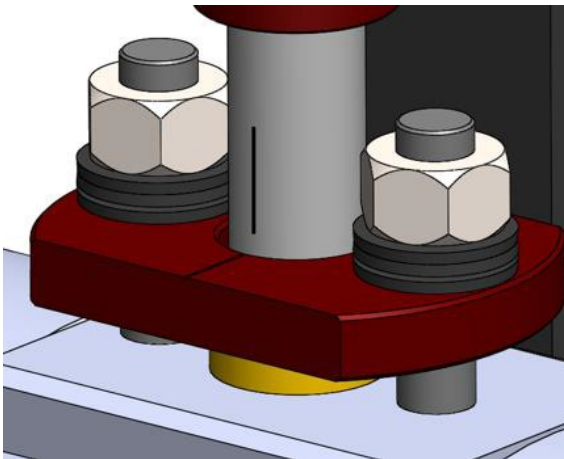
- Make sure that coupler on valve is in proper fail position (second check).
- Orient the operator on top of the mounting bracket and coupler. Use anti-seize on metal-to-metal parts.
- Slide operator over coupler. Make sure coupler is not binding and actuator is not forcing coupler down onto valve stem.
- Actuator should lay flush against mounting bracket. If not the coupler/valve stem is supporting weight of actuator.
 - Move coupler to ensure no binding.

NOTE: Refer to the actuator manufacturer's manual for specific actuator installation details.

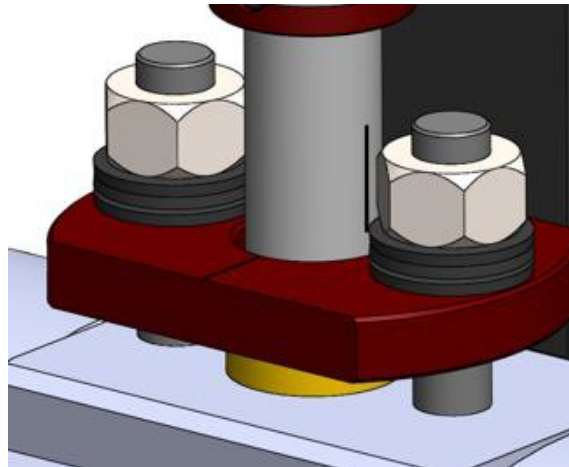


- Hand tighten the nuts and bolts to the actuator.
 - If able, cycle actuator to center on valve stem/ coupler assembly. Tighten all fasteners to recommended torque.
proportionally to distribute the torque stress before tightening them completely.
 - Cycle actuator to ensure no binding occurs. If off-center side loading may damage valve.

NOTE: CHECK TO MAKE SURE THE COUPLER IS NOT BINDING AGAINST THE BRACKET OR ACTUATOR



➔ FLOW CLOSED POSITION



➔ FLOW OPEN POSITION

SETTING THE STOPS

- **CLOSED**, the scribe line on the stem should be slightly past the scribe line on the articulation gland flange (2° going in closed direction).
- **OPEN**, look inside the valve bore to ensure the ball is fully **OPEN**.

Custom designs for the toughest applications



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