

H-17620

Operating and Assembly Instructions

The H-17620 Inspection Flange is for visually determining the condition of the inside of the Line Stopper Fitting and the inside of the pipe after the drilling operation is completed. This may be done under pressure (MAOP 500 PSI).

OPERATING INSTRUCTIONS

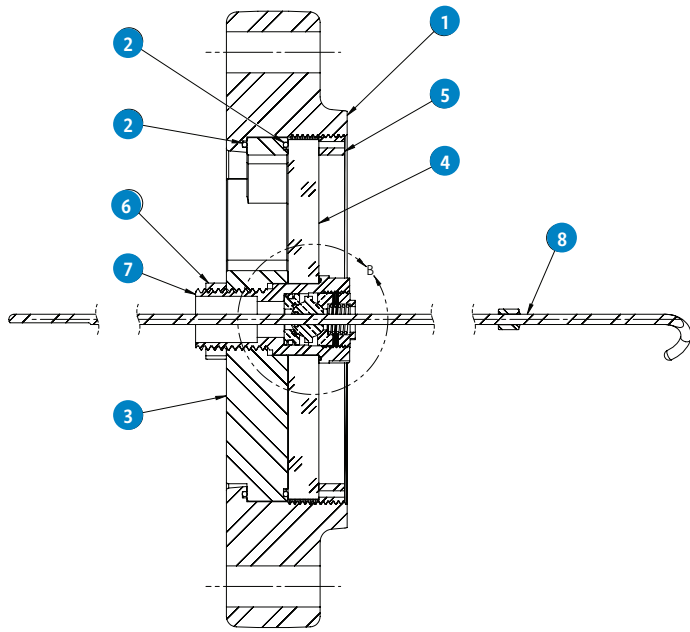
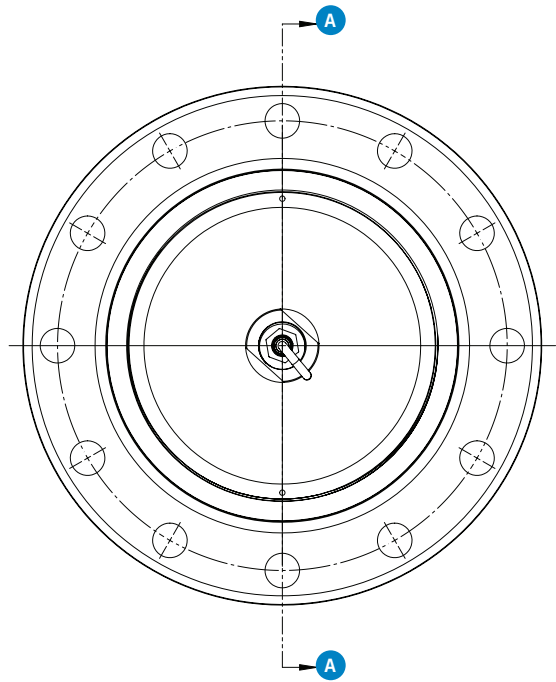
Large Diameter Inspection Flange

1. Bolt appropriate inspection flange adapter to top of gate valve. Check to be sure gasket is in good condition and in place.
 - a. 538622 3SW
 - b. 538633 3SW-500
 - c. 683192 4SW
2. Bolt H-17620 Inspection Flange to Inspection Flange adapter. Check to be sure gasket is in good condition and in place.
3. Place plastic protection shield over top of inspection flange after it is bolted to gate valve.
4. Turn bypass stop to bypass position.
5. Open gate valve fully.
6. Visually examine the inside of the fitting by viewing through the window. Use a flashlight or spotlight.
7. Use the retrieving rod to locate raise and hold above the gate valve any object which might interfere with the operation of the stopper such as a section of the pipe. The retrieving rod has a ball-joint type of pressure seal permitting it to be raised, lowered, rotated, or moved from side to side.
8. Tighten sleeve screw to hold retrieving rod in raised position.
9. Close gate valve and test for tightness by turning bypass stop to test position (check screw in middle position).
10. Remove drilling machine adapter and inspection flange.

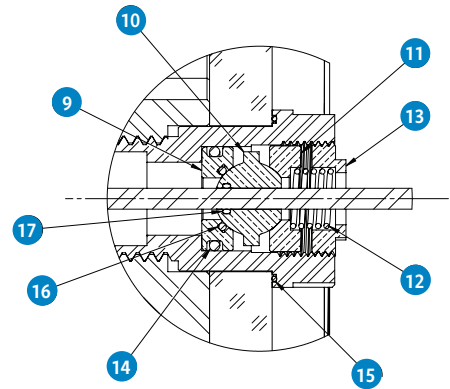
GENERAL ASSEMBLY INSTRUCTIONS

1. Thoroughly clean flange body (538510).
2. Grease (313158) o-ring and install in o-ring groove in flange body.
3. Clean stiffener rib (538511) and place upside down into flange (538510).
4. Grease o-ring groove on bottom of stiffener then install o-ring (313158).
5. Install inspection glass (313156) on top of stiffener (538511). Once installed remove the plastic cover from the glass.
6. Thread on retaining ring (538512) using spanner wrench (683157) snugly without excessively tightening.
7. Grease o-rings (45422) and (46726) and assemble into grooves on spacer.
8. Insert spacer into retrieval tool housing (538515) with O-rings positioned as shown in illustration. The internal O-ring (45422) must face upward.
9. Grease O-ring (43973) and assemble into groove inside opening in ball.
10. Install ball on top of spacer with O-ring inside ball positioned downward.
11. Assemble retainer into (46779) retrieval tool housing (538515) followed by the spring (46780).
12. Secure spring and retainer in retrieval tool housing (538515) using nut (46781). The plug shoulder should be flush with the top of retrieval tool housing.
13. Grease rod assembly (683147) and insert through ball as shown in illustration and attach retaining sleeve with thumb screw.

ITEM NO.	PART NUMBER	DESCRIPTION
1	538510	8" Class 300 Flange
2	3131581	O-Ring
3	538511	Stiffener
4	313156	Inspection Glass
5	538512	8" Retaining Ring
6	538514	Locknut
7	538515	Retrieval Tool Housing
8	683147	Inspection Flange Rod Assembly
9	046776	Spacer
10	046778	Ball
11	046779	Retainer
12	046780	Spring
13	046781	Nut
14	046726	O-Ring
15	500839	O-Ring
16	045422	O-Ring </td
17	043973	O-Ring



SECTION A-A



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