

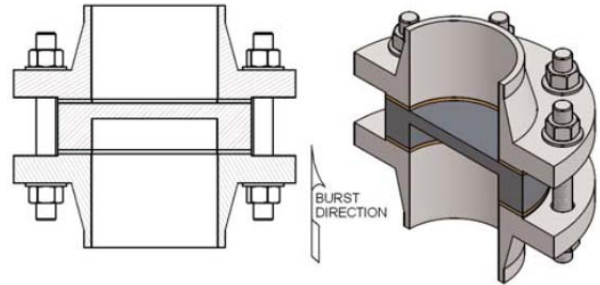
**WARNING**

- All new rupture disk installations should be located to allow full, unrestricted discharge when overpressure of a pressurized system occurs, causing a disk to burst. **Never locate a rupture disk assembly where the discharge from a ruptured disk is directly impacting people or equipment.**
- **THIS RUPTURE DISC WILL FRAGMENT.** Do not install a graphite disc in a location where fragmenting particles can become lodged in a safety relief valve or otherwise hinder the operation of pressure relief equipment.
- Install the rupture disc assembly in such a way that equipment in the area will not prevent rupture disc from opening or be damaged by system discharge.
- A suitable gasket is required between the disk and process side companion piping flange. This gasket is not normally supplied unless requested by the end user.
- A graphite rupture disk is a precision piece of equipment. Please handle it with extreme care! Avoid damaging the flat rupture disk membrane. Do not allow sharp or pointed objects to pierce the Teflon seals of this assembly if supplied. Handle the entire assembly via the OD of the disk and not the nametag.
- Graphite rupture discs have a permanently attached tag on the outer circumference. This tag contains important information that must agree with the intended application. Make sure the correct rupture disk is used in each application.

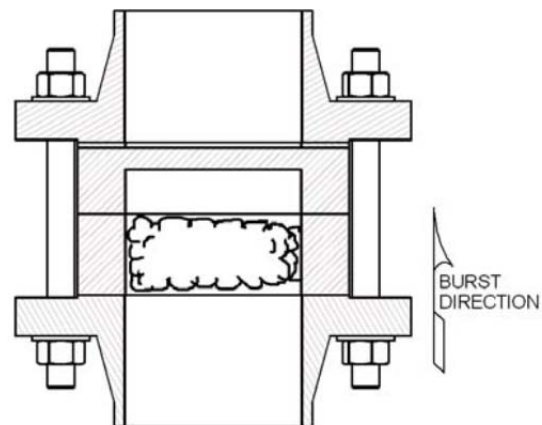
**INSTALLATION**

1. Carefully remove the rupture disc from its package container. Be sure the identification tag is firmly attached to the outside of the disc.
2. Clean the flange gasket faces. The flanges should be parallel and in line with each other. If the rupture disc is mounted in line, care must be taken to support piping and other devices to avoid applying excessive torsional or axial loads to the rupture disk.
3. The specified inside gasket diameter provides proper clearance for disc operation. The outside gasket diameter is the same as the outside diameter of the disc to assist in placement of the disc within the flange bolt circle.
4. Carefully center the disc and gaskets between the pipe flanges and install the flange bolts.
5. Flange bolt tightening must be done using a diagonal pattern, gradually increasing the torque to the values shown below. These values should be considered maximum recommended values.

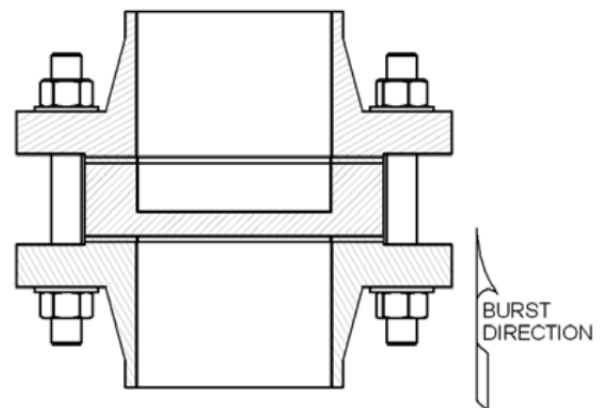
IT IS STRONGLY RECOMMENDED THAT FLANGE BOLTING ONLY BE TIGHTENED ENOUGH TO PREVENT LEAKAGE AT THE GASKET. NUTS AND BOLTS SHOULD BE NEW, CLEAN, AND WELL LUBRICATED.



GTM /GTMV Discs  
Plain, TFE Coated, Armored, Vacuum Supported



GTM-HT, GTML-HT, GDI-HT Assembly Armored



GTI Discs – Plain, Armored

**NOTE: Rupture disc specifications and year of manufacture can be found on the rupture disc tag**

**TABLE 1 - DISC AND GASKET DIMENSIONS**

<b>150# Series Fits Standard ANSI 150 Flanges</b>						
Nominal Flange Size	Disc I.D.	Disc O.D.	Disc Thick	Hi-Temp Assy.*	Gasket I.D.	Gasket O.D.
1	1	2 ½	7/8	2 ¼	1 5/16	2 ½
1 ½	1 ½	3 ¾	7/8	2 ¼	1 29/32	3 ¾
2	2	4	7/8	2 ¼	2 ½	4
3	3	5 ¾	7/8	2 ¼	3 ¾	5 ¾
4	4	6 ¾	7/8	2 ¼	5	6 ¾
6	6	8 5/8	7/8	2 ¼	7 1/8	8 5/8
8	8	10 7/8	1 1/8	2 ¾	8 7/8	10 7/8
10	10	13 ¼	1 ½	3 3/8	11 5/8	13 ¼
12	12	16	2	4 3/8	13 ¾	16
14	13 ¼	17 5/8	2 ¼	4 7/8	14 ½	17 5/8
16	15 1/4	20 1/8	2 ½	5 3/8	17	20 1/8
18	17 ¼	21 ½	2 ¾	5 7/8	19 ½	21 ½
20	19 ¼	21 ¾	3	6 3/8	21 ¾	23 ¾
24	23 1/4	28 1/8	3	6 3/8	25	28 1/8
<b>300# Series Fits Standard ANSI 300 Flanges</b>						
1	1	2 ¾	1	2 ½	1 5/16	2 ¾
1 ½	1 ½	3 5/8	1	2 ½	1 29/32	3 5/8
2	2	4 ¾	1	2 ½	2 ½	4 ¾
3	3	5 ¾	1 ¼	3	3 ¾	5 ¾
4	4	7	1 ½	3	4 ¾	7
6	6	9 ¾	1 ¾	4	7 1/8	9 ¾
8	8	12	2 ¼	5	9	12

\*Includes bottom gasket on Hi-Temp Assembly

**TABLE 2 - GASKETS AVAILABLE IN THESE MATERIALS**

Material	Thick	Temp F	Limits C
Neoprene	1/8	250	121
Non-Asbestos	1/8	700	371
PTFE	1/8	500	260
Blue Gylon	1/8	500	260

**Note: Gaskets for Hi-Temp Assemblies are high temperature material and are furnished ready for installation**

**FLANGE BOLT TORQUE**

Flange bolt tightening must be done using a diagonal pattern, gradually increasing the torque to the values shown below. These values should be considered maximum recommended values.

Improper installation can cause discs to break outside of specified burst pressure.

Potential causes:

- Misaligned Flanges
- Excessive or uneven bolt torque
- Improper centering of disc
- Incorrect vent side gasket material or dimensions
- Discs with cracks due to mishandling
- Gasket missing on inlet or outlet



**TABLE 3 - FLANGE BOLT TORQUE**

For 150# ANSI Flanges		For 300# ANSI Flanges	
Disc Size (in)	Torque (Ft.-Lbs)	Disc Size (in)	Torque (Ft.-Lbs)
1	10	1	20
1 ½	15		
2	25		
3	30	1.5	40
4	35		
6	45	2	20
8	65		
10	55		
12	70	3	40
14	100		
16	80		
18	100	4	60
20	80		
24	120		
		6	60
		8	100