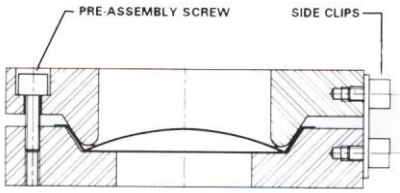
DATA SHEET

BURSTING DISC HOLDER ACCESSORIES

PRE-ASSEMBLY SCREWS

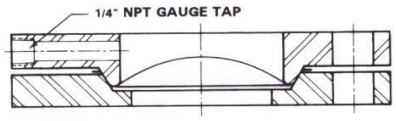
Pre-assembly screws are standard on all Fike “GI” and “G” type bursting disc holders. Where it is not dimensionally possible to utilize pre-assembly screws, side clips will be provided.



Pre-assembly screws and side clips allow the bursting disc to be installed in the holder at a convenient location, reducing the risk of damage to the bursting disc.

GAUGE TAPS

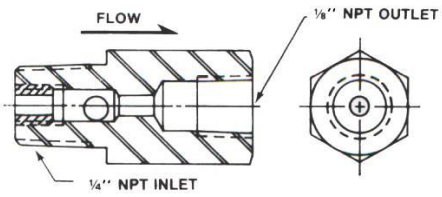
A gauge tap provides a means of connection for a pressure gauge or excess flow valve on the downstream side of the bursting disc.



Multiple thread connections are possible. Consult our Applications Group for more information.

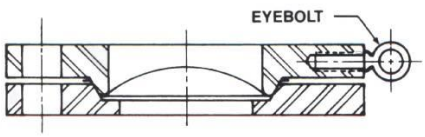
EXCESS FLOW VALVE

When bursting discs are used in series or in combination with pressure relief valves, an excess flow valve must be considered to bleed off any pressure build-up between the components. When the bursting disc bursts, the overpressure pushes the ball into its seat, preventing further flow through the excess flow valve. This action enables the pressure relief devices to perform their functions, and ensures no pressure build-up between devices.



EYEBOLTS

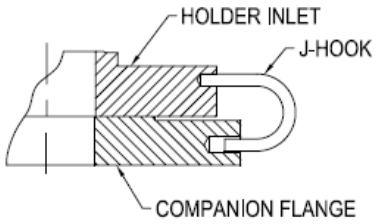
Eyebolts are primarily used with large or heavy bursting disc holders. Fike will drill and tap the required size and number of holes to meet the application requirements.



J-HOOK

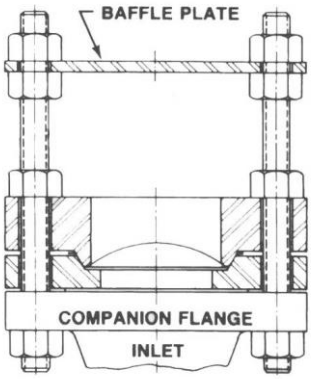
To avoid the risk of bursting disc holders being installed inverted, bursting disc and holder nameplates have permanent flow arrows indicating the direction of the flow.

To further reduce the risk J-hooks are optionally available to physically ensure the disc holder is installed the correct way into the pipeline.



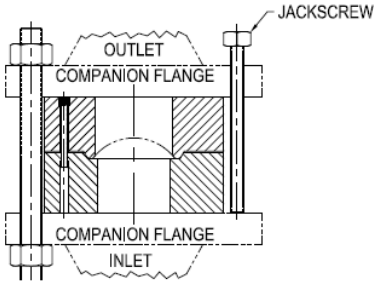
BAFFLE PLATE

A baffle plate should be considered when a bursting disc assembly is free vented to the atmosphere. Its function is to direct the discharge and absorb recoil, helping to protect personnel and surrounding equipment. Care must be taken to ensure that the baffle plate design allows for adequate relief area.



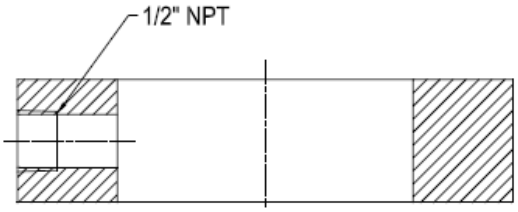
JACKSCREWS

The use of jackscrews provides a means of separating piping flanges to allow for safe and easy installation of fragile bursting disc or pre-assembled “G” or “Gi” holders. Jackscrews are used only with the bolted type series of bursting disc holders. There are three methods of application that allow for differences in holder configuration.



SPACER RING

A spacer ring is required when a bursting disc assembly is close-coupled to the inlet of a pressure relief valve (PRV). The purpose of a spacer ring is to provide proper clearance for the rupture disc to open and not block the nozzle of the PRV. Fike spacer rings are supplied standard with one each 1/2” NPT in all sizes. Spacer rings are available in a variety of standard materials.



O-RING OPTIONS FOR RUPTURE DISC HOLDERS

For emissions-conscious customers, an O-ring is available as an option for many standard holders, Insert type (GI) and pre-torque type (TQ/TQ+), as a secondary seal to contain any leak that may potentially escape the standard metal-metal seal. An O-ring is possible for the following rupture disc types: RD520 Axius, RD320, RD500 Atlas, RD300, SRL, SRX and Poly-SD. The O-ring groove is cut into either the base, holddown or both base and holddown side of the bursting disc holder. Fike has different standard O-ring materials available. Please consult Fike for more info.