

Features

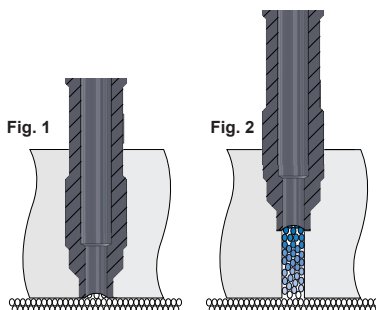
- Each WEB assembly consists of a threaded tubular body with a rupture disk welded onto the process end
- Each extruder barrel application is unique and requires a specific combination of dimensions, threading, and body configuration
- The WEB assembly is mounted directly into the extruder equipment through a pressure port or thermocouple-well where critical pressures are experienced
- One piece construction
- Operating ratios up to 75% of the low end of burst tolerance
- Burst tolerance $\pm 10\%$ with typical standard deviation of $\pm 1\%$ throughout the temp range of 300°F to 750°F (149°C to 399°C)
- Body materials: 304 series Stainless Steel with other materials available on request
- Disk Material: Inconel Standard
- Burst ratings 750 to 15,000 psig (for higher pressures contact ZOOK)
- 0% manufacturing range
- Standard barrels in stock
- Custom barrels available on request
- 100% factory leak-tested
- 100% thread verification of every assembly
- Private labeling, custom packaging, and other options available. Contact ZOOK

Ordering / Re-ordering

Please see back of this data sheet for complete dimensions and specifications.
For re-ordering, please specify previous LOT number

Installation

It is important that the rupture disk of a WEB assembly be mounted flush with the inner wall of the extrusion device. (see Fig. 1) An improperly designed device would present an area for excessive product build-up, rendering the WEB ineffective. (see Fig. 2)

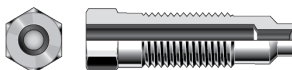


ZOOK Welded Extruder Rupture Disks are pressure relief devices designed for over-pressure protection of plastic and rubber extrusion processes

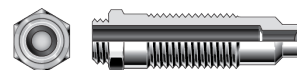
Assemblies

Four basic configurations: Hex End, MNPT End, Wrench Flat End, Screwdriver End that are dependent on the outlet end of the body. Selection depends on how much space is available for installation and how venting of process media is intended.

Hex End



NPT End



Wrench Flat End



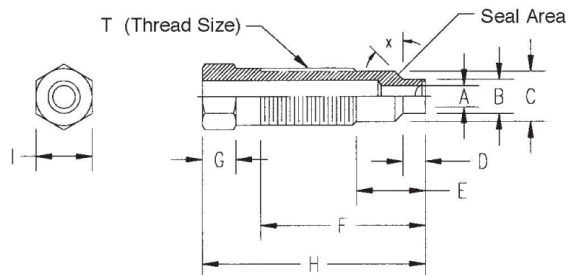
Screwdriver End



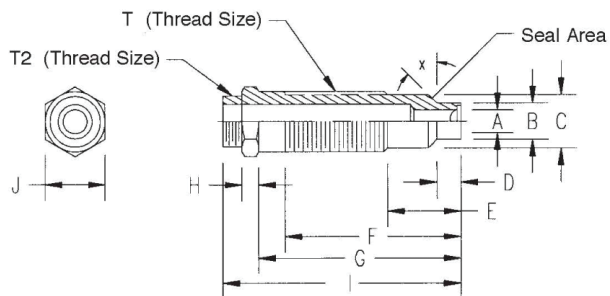
ZOOK can offer many other custom welded designs for a wide variety of applications with custom fittings and connections for stringent applications such as ultra-high vacuum, OEM markets, military, aerospace and many other applications. Please contact your representative or ZOOK.

WEB Dimensions and Specifications

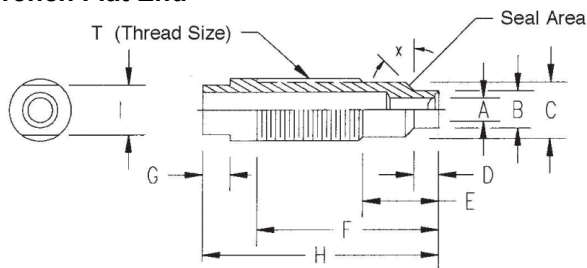
Hex End



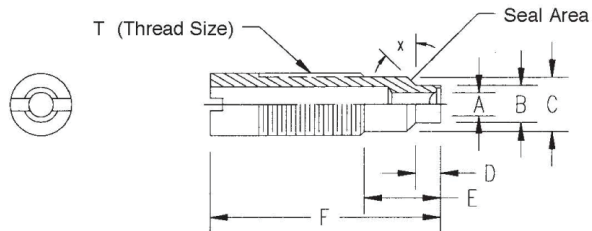
NPT End



Wrench Flat End



Screwdriver End



*Dimension D does not include disk thickness

Notes: _____

When ordering a WEB assembly, specify:

End Configuration

☐ Hex ☐ MNPT ☐ Wrench ☐ Screwdriver

Materials

Disk: ☐ Inconel ☐ Other _____

Body: ☐ 304 Series SS ☐ Other _____

Burst Specifications

_____ psig @ _____ °F

Quantity

_____ each / _____ pcs/yr

Dimensions

All Dimensions are to be recorded in inches.

A _____
B _____
C _____
D* _____
E _____
F _____
G _____
H _____
I _____
J _____
X ☐ 45° ☐ Other _____
T _____
T2 _____

Standard Manufacturing Range -0-

Standard Burst Tolerance +/- 10%

Current WEB Rupture Disk Assembly may be returned to ZOOK for dimensional evaluation. Contact ZOOK for more information.

Maximum burst pressure and temperature is 15,000 psig @ 750°F for 3/16" diameter disk size. Contact ZOOK for greater pressures and temperatures.



WEB_122022

zookdisk.com



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Safety through knowledge and performance.