



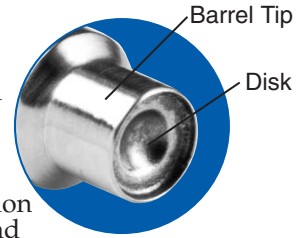
# EB Series Extruder Barrel Assemblies

Extruder barrels are pressure relief devices designed for over-pressure protection of plastic extrusion processes



## Features

- Each EB assembly consists of a threaded tubular body with a rupture disk attached onto the process end
- Each extruder barrel application is unique and requires a specific combination of dimensions, threading, and body configuration
- The EB assembly is mounted directly into the extruder equipment through a pressure port or thermocouple-well where critical pressures are experienced
- One piece construction
- Body Materials: 300 series SS  
Other materials available on request
- Disk Material: Inconel standard
- Burst ratings 750 to 15,000 psig (for higher pressures contact ZOOK)
- 0% manufacturing range
- Burst tolerance:  $\pm 10\%$
- Standard barrels in stock
- Custom barrels available on request
- Re-disking available



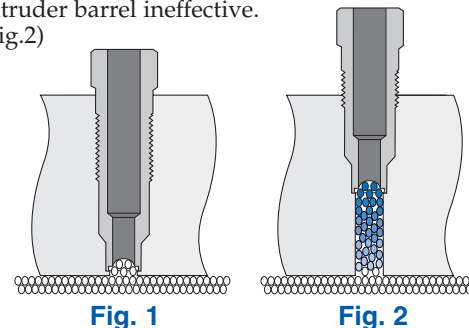
## Ordering/Re-ordering

Please see back of this bulletin for complete dimensions and specifications.

For RE-ORDERING, please specify previous LOT or MANUFACTURING number.

## Installation

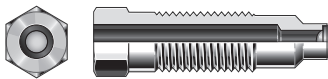
It is important that the rupture disk of an extruder barrel be mounted flush with the inner wall of the extrusion device. (see Fig. 1) An improperly designed device would present an area for excessive product build-up, rendering the extruder barrel ineffective. (see Fig.2)



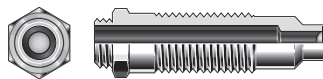
## Assemblies

Four basic configurations: Hex End, NPT 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



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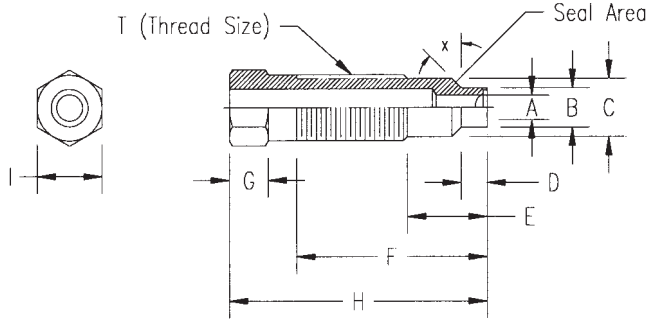
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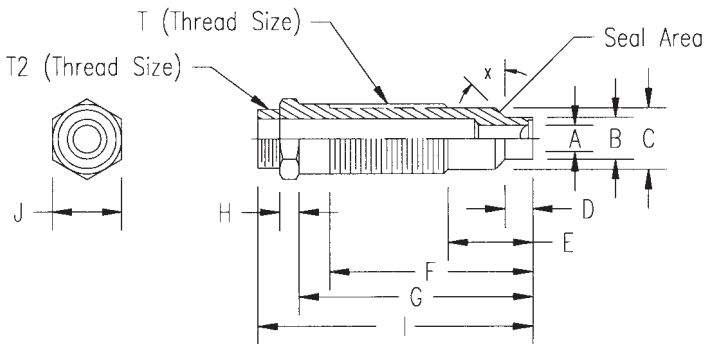
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# EB Dimensions and Specifications

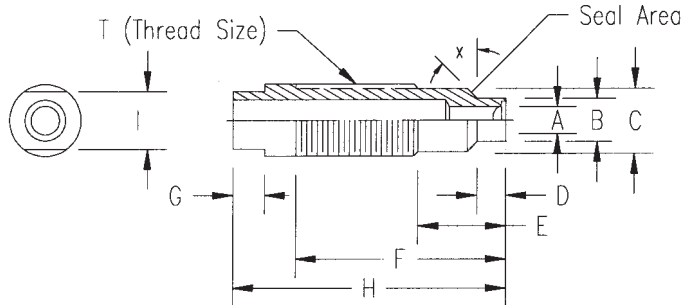
## Hex End



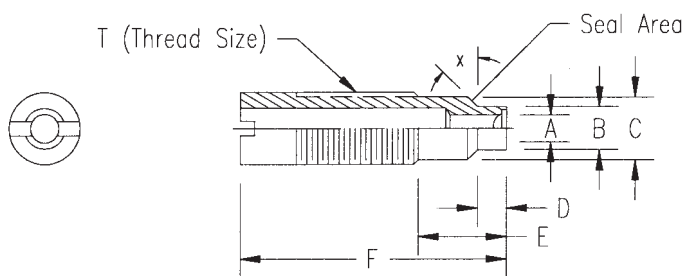
## NPT End



## Wrench Flat End



## Screwdriver End



Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## When ordering an EB assembly, specify:

### End Configuration

Hex  NPT  Wrench  Screwdriver

### Materials

Disk:  Inconel  Other \_\_\_\_\_

Body:  300 Series SS  Other \_\_\_\_\_

### Burst Specifications

\_\_\_\_\_ psig @ \_\_\_\_\_ °F

### Quantity

\_\_\_\_\_ ea. / \_\_\_\_\_ 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 Extruder Barrel may be returned to ZOOK for dimensional evaluation. Contact ZOOK for more information.

Maximum burst pressure and temperature is 15,000 psig @ 800°F for 3/16" diameter disk size. Contact ZOOK for greater pressures and temperatures.

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