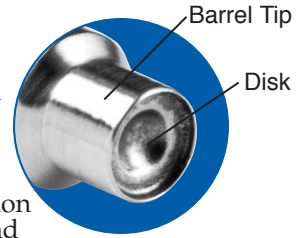


Extruder barrels are pressure relief devices designed for over-pressure protection of plastic extrusion processes



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

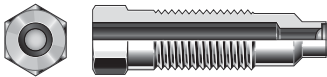
Please see back of this bulletin for complete dimensions and specifications.

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

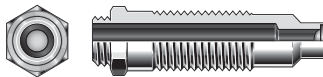
Assemblies

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.

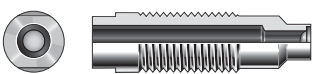
Hex End



NPT End



Wrench Flat End



Screwdriver End



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)

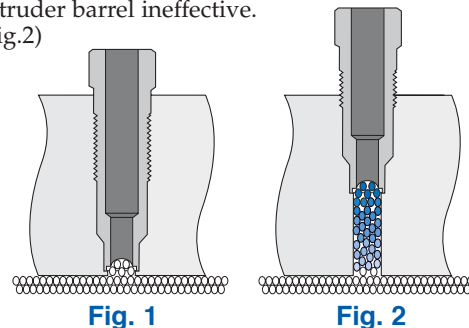


Fig. 1

Fig. 2

Bulletin no. 35000 Rev. 4
© 2002 ZOOK Enterprises, LLC, all rights reserved
Printed in U.S.A. 4-10-1M-11M-CGG



ZOOK Enterprises, LLC
16809 Park Circle Drive
Chagrin Falls, OH 44022 U.S.A.
Toll Free **800.543.1043**
Phone **440.543.1010**
Fax **440.543.4930**
E-mail **sales@zook.cc**

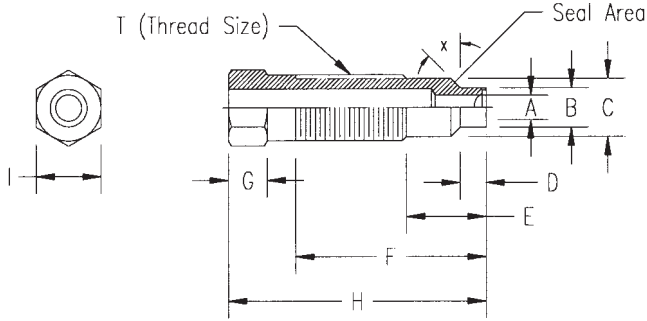
ZOOK Canada, Inc.
4400 South Service Road
Burlington, ON Can. L7L 5R8
Toll Free **800.370.6057**
Phone **905.681.2885**
Fax **905.681.8838**
E-mail **sales.canada@zook.cc**

ZOOK Europe, LTD.
Navigation House, Bridge Street
Killamarsh, Sheffield UK. S21 1AL
Phone **0044 (0) 1909 560999**
Fax **0044 (0) 1909 560860**
E-mail **zookeurope@zook.cc**

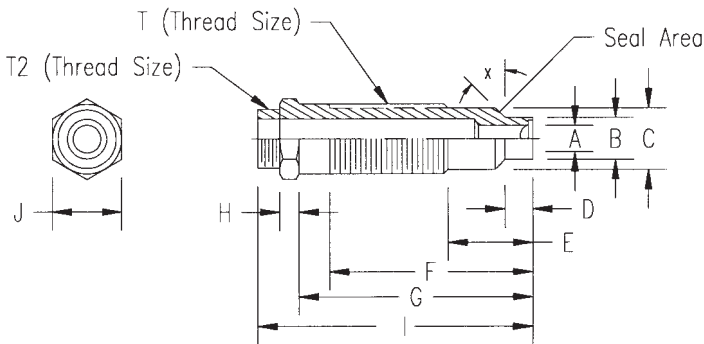


EB Dimensions and Specifications

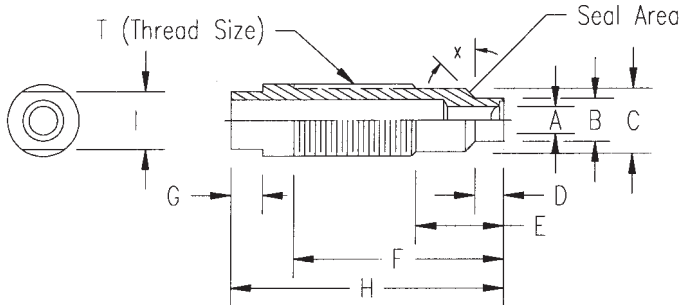
Hex End



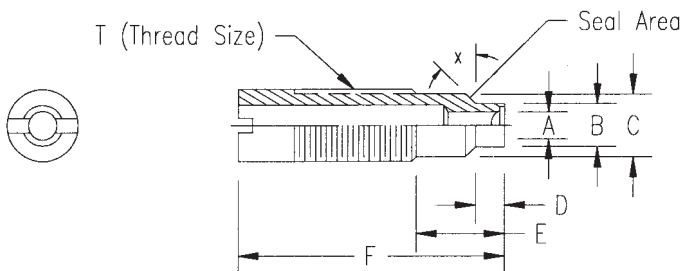
NPT End



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.

