Extruder Rupture Disks

with 1/2 - 20UNF - 2A Mounting Thread

Product Introduction

ITP Extruder Rupture Disks are designed for emergency relief of excess pressure in plastics processing machinery. They are designed to instantaneously rupture at a predetermined pressure. The ***ITP*** RD Series Rupture Disks are available in a variety of lengths and burst pressures.

ITP Extruder Rupture Disks may be specified for primary relief in applications where pressure build-up can occur so rapidly that the response time of a relief valve is inadequate.

Features & Benefits

- burst pressures from 1,500 to 15,000 psi
- 1/2-20 UNF mounting thread
- SS or Inconel disk
- suitable for melt temperatures up to 825ºF
- burst pressure accuracy +/- 5%
- low installation and maintenance cost
- all stainless steel body

Ordering Guide

Model Number	Length & Installation
RD2	1.82” with slotted head
RD3H	3” with Hex Head
RD6H	6” with Hex Head
RD9H	9” with Hex Head
RD12H	12” with Hex Head

Standard Rated Burst Pressures	
-1.5M	1,500 psi
-2.5M	2,500 psi
-3.5M	3,500 psi
-4.5M	4,500 psi
-5.5M	5,500 psi
-6.5M	6,500 psi
-7.5M	7,500 psi
-8.5M	8,500 psi
-9.5M	9,500 psi
-10.5M	10,500 psi
-12.5M	12,500 psi
-15M	15,000 psi

Options	Description
-1/4NPT	1/4 X 18 NPT discharge connection

Example:
RD6H-7.5M, 6” extruder rupture disk with Hex Head rated for 7,500 psi burst pressure.

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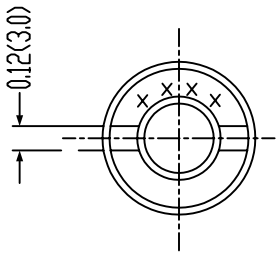
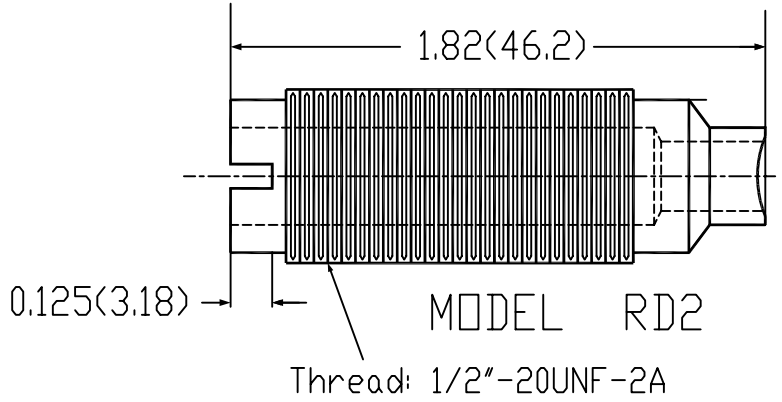
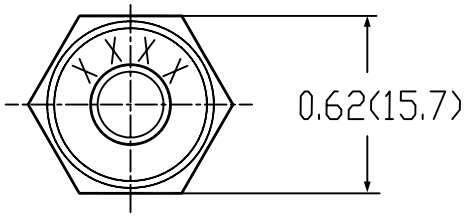
1/2-20 UNF Rupture disk configurations

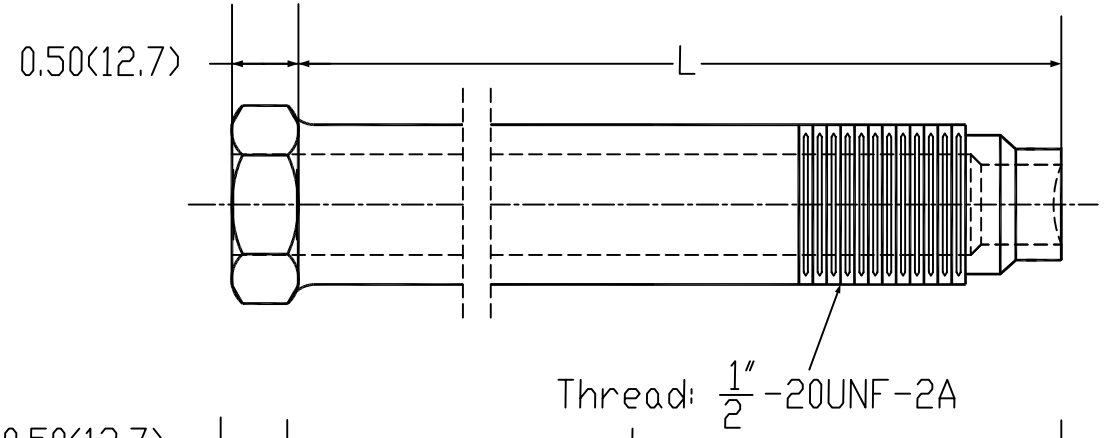
Dimensional Drawing Inches(mm)

Industrial Thermo Products

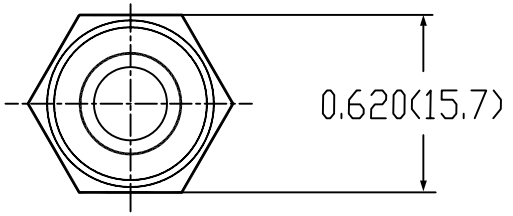


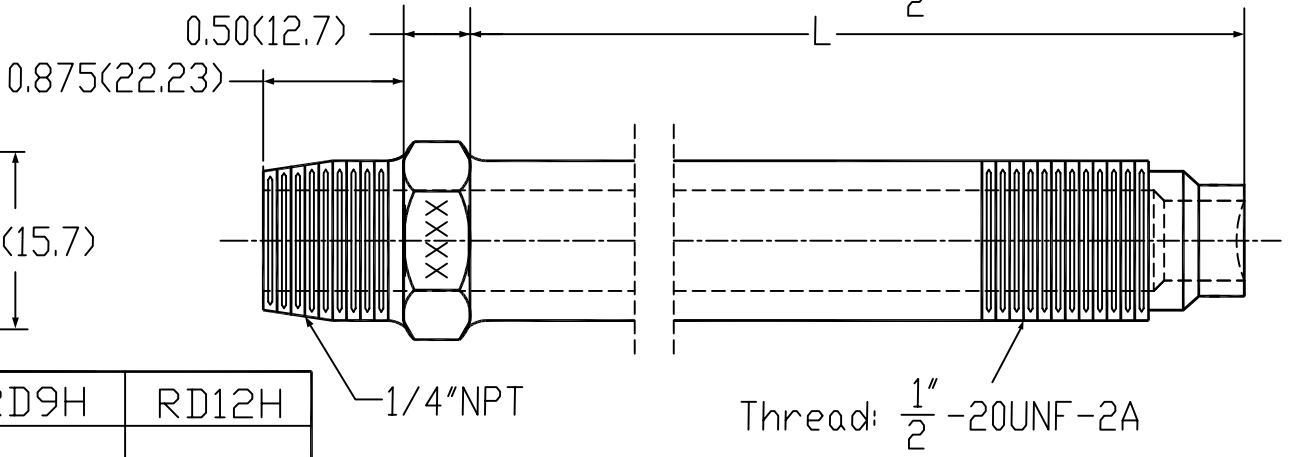






MODEL-1/4NPT





MODEL	RD3H	RD6H	RD9H	RD12H
L=	3.00(76.2)	6.00(152.4)	9.00(228.6)	12.00(304.8)

DATE: February/2009 V1.0

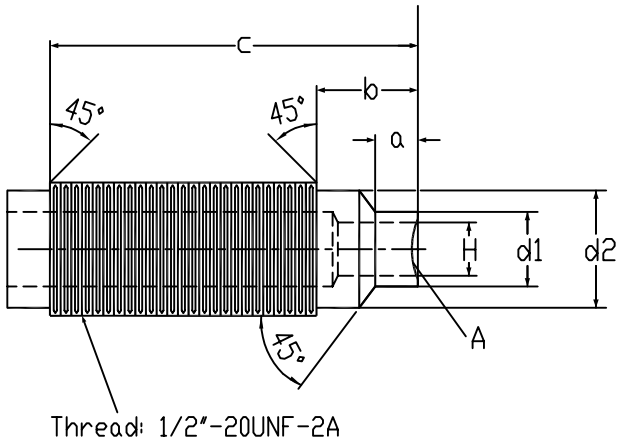
1/2″-20 Mounting Thread

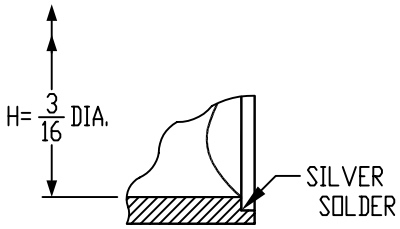
Dimensional Drawing Inches(mm)

Industrial Thermo Products

a	b	c
0.250(6.35) 0.234(5.94)	0.50(12.7)	1.63(41.40)

H	d1	d2
3/16″ (4.76)	ø0.310(7.87) ø0.305(7.75)	ø0.420(10.67) ø0.410(10.41)





DETAIL A

DATE: January/2006 V1.0