Product Introduction

ONEhalf20's Model RD6H Extruder Rupture Disk is designed for emergency relief of excess pressure in plastics processing machinery. It is designed to instantaneously rupture at a predetermined pressure. The Model RD6H Extruder Rupture Disk is available in a variety of burst pressures.

The Model RD6H 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 825°F
- burst pressure accuracy +/- 5%
- low installation and maintenance cost
- all stainless steel body

Model RD6H Photo

Ordering Guide

Model Number	Length & Installation
RD6H	6.0″ with hex head

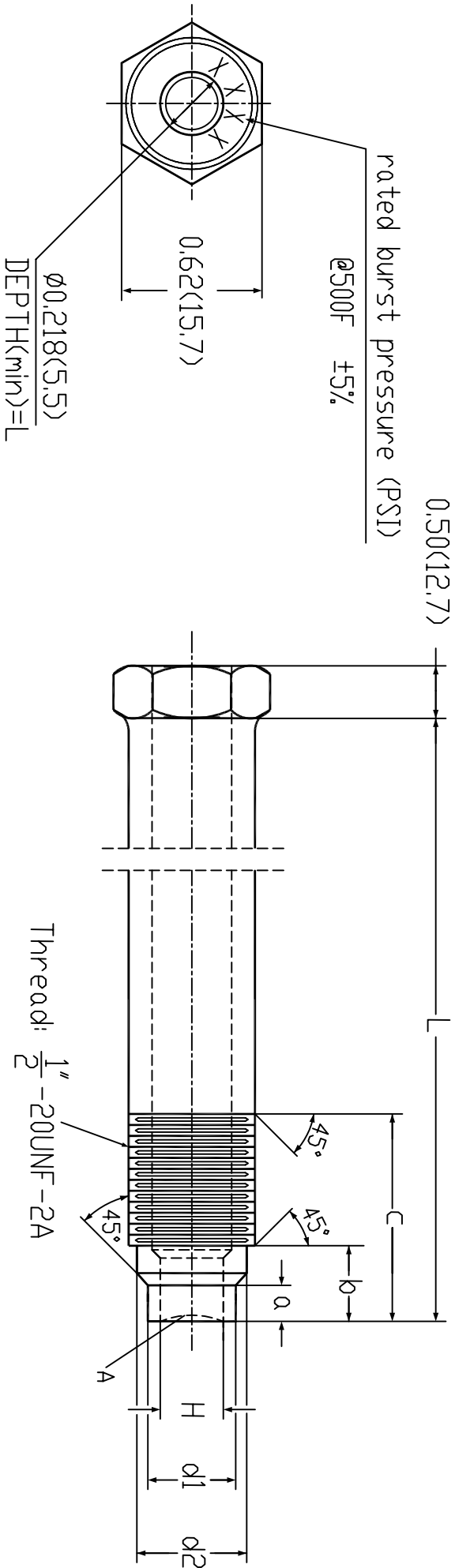| Standard Rated Burst Pressures	
-1.5M	1,500 psi
-2.5M	2,500 psi
-3.5M	3,500 psi
-4.5M	4,500 psi
-5.5M	5,500 psi
-6.5M	6,500 psi
-7.5M	7,500 psi
-8.5M	8,500 psi
-9.5M	9,500 psi
-10.5M	10,500 psi
-12.5M	12,500 psi
-15M	15,000 psi

Model RD6H with 1/4NPT Photo

Option	Description
1/4NPT	1/4″ discharge connection

Note:
For burst pressures not listed please consult your **ONEhalf20** distributor..

ONEhalf20
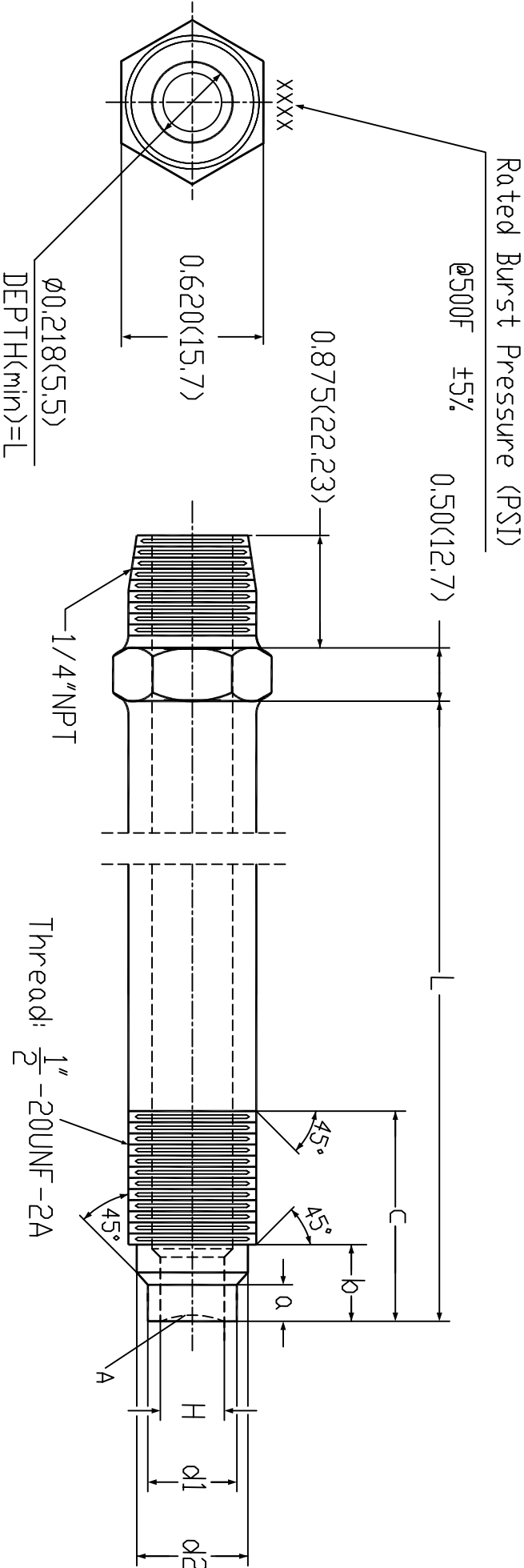
RD6H-xM
Dimensional Drawing Inches(mm)

rated burst pressure (PSI)
@500F ±5%

ø0.218(5.5)
DEPTH(min)=L

0.62(15.7)

0.50(12.7)

Thread: $\frac{1}{2}$"-20UNF-2A

45°
45°
45°

L
C
b
a
H
d1
d2
A

$H=\frac{3}{16}$DIA.

SILVER
SOLDER

DETAIL A

a		b	c	L
0.250(6.35) 0.234(5.94)		0.50(12.7)	1.81(45.97)	6.00(152.4)

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

DATE: August/2006 V3.2

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RD6H-xM-1/4NPT
Dimensional Drawing Inches(mm)

Rated Burst Pressure (PSI)

@500F ±5%

φ0.218(5.5)
DEPTH(min)=L

0.620(15.7)

0.875(22.23)

0.50(12.7)

1/4"NPT

L

Thread: $\frac{1}{2}\frac{1"}{}$-20UNF-2A

45°
45°
45°

C

b

a

A

H

d1

d2

DETAIL A

H=$\frac{3}{16}$ DIA.

SILVER
SOLDER

	a	b	c	L
	0.250(6.35) 0.234(5.94)	0.50(12.7)	1.81(45.97)	6.00(152.4)

H	d1	d2
3/16" (4.76)	φ0.310(7.87) φ0.305(7.75)	φ0.420(10.67) φ0.410(10.41)

DATE: September/2006 V3.2