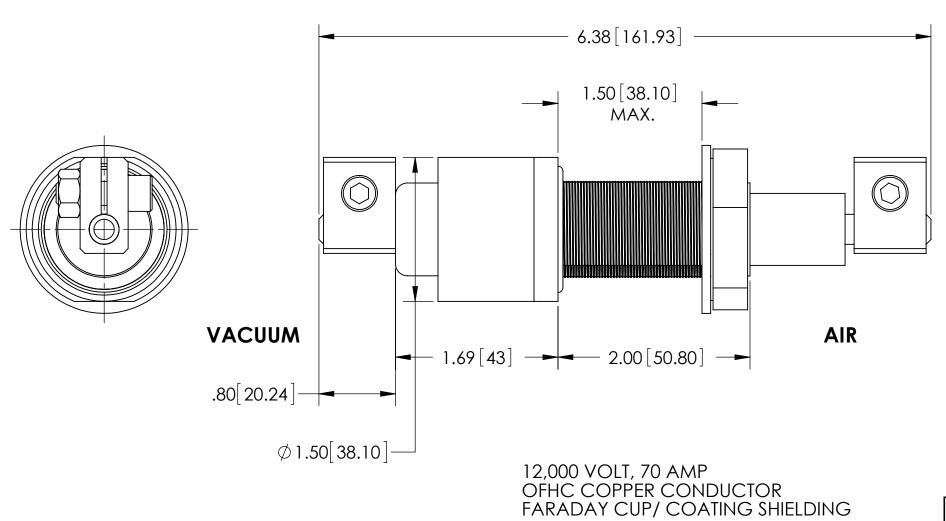
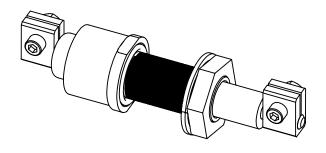


The current version of this drawing pdf can be found at <a href="https://telemark.com/e-beam-accessories/feedthroughs/">https://telemark.com/e-beam-accessories/feedthroughs/</a>

Drawing	Rev	Part No.	Description Description	Page
<b>Bolt Feedthro</b>	ughs			
R275-0111	A1	275-0001-1	HV Feedthru, 1"	2
		275-0001-2	HV Feedthru, 1.25"	
R275-0109	В	275-0002-1	Rotary 1/4" Feedthru, 1"	3
		275-0002-2	Rotary 1/4" Feedthru, 1.25"	
		275-0002-6	Rotary 3/8" Feedthru, 1.25"	
R275-0120	A1	275-0012-1	Feedthru, Rotary, Magnetic Seal, 1"	4
R275-0108	A1	275-0006-1	Rt. Angle Rotatry 1/4" Feedthru, 1"	5
		275-0006-2	Rt. Angle Rotatry 1/4" Feedthru, 1.25"	
		275-0016-1	Right Angle Rotary 1/4" Ft, Magnetic Seal, 1"	
R275-0131	Α	275-0006-6	Rt. Angle Rotatry 3/8" Feedthru, 1"	6
R275-0110	В	275-0003-1	Water Feedthru Assembly, 1"	7
		275-0003-2	Water Feedthru Assembly, 1.25"	
R275-0126	Α	275-0004-1	1/2" Water Feedthru Assy., 1"	8
		275-0004-2	1/2" Water Feedthru Assy., 1.25"	
R275-0112	A2	275-0008-1	8 Pin Instrument Feedthru, Octal, 1"	9
		275-0008-2	8 Pin Instrument Feedthru, Octal, 1.25"	
CF Flange Feed	dthrou	ghs		
R275-0117	A1	275-0001-3	HV Feedthru, CFF	10
R275-0122	A1	275-0019-1	Dual Pass HV feethru, CFF (8AWG)	11
		275-0019-2	Dual Pass HV Feedthru, CFF (10 AWG)	
R275-0124	Α	275-0002-3	Rotary 1/4 Feedthru, CFF	12
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R275-0114	A1	275-0003-4	Water Feedthru Assy. 2-3/4 CFF	14
R275-0127	Α	275-0014-1	4 Pin Instrument Feedthru, CFF	15
R275-0115		275-0008-3	8 Pin Instrument Feedthru, Octal, CFF	16
HV Cover Asse	mblies	3		
R275-0113	В	275-0210-3	HV Cover Assembly, 1"	17
		275-0210-4	HV Cover Assembly, 1.25"	
		275-0211-2	HV Cover Assembly, CFF	
		275-0212-2	HV Cover Assembly, CFF, 2 Pass	

ECN	ZONE	REV	DESCRIPTION		DATE
		Α	REFERENCE RELEASE	D.LY	2/13/200
		A1	UPDATE		11/1/201





ISOMETRIC VIEW

 Part Number
 Through hole

 275-0001-1
 1.00 inch
 25 mm

 275-0001-2
 1.25 inch
 32 mm

TELEMARK

INCH [mm]

UNLESS OTHERWISE SPECIFIED GLOBAL TOLERANCES	DWG BY D. LY DATE 2/13/06 CHECK BY DATE PROJENG DATE	MATERIAL:					
INCHES [mm]	PROJENG DATE MFG ENG DATE	FINISH:	Ā				
.X +/03 [0.762] .XX +/- 0.01 [0.254]	DO NOT SCALE DRAWING	THIRD ANGLE PROJECTION					
.XXX +/- 0.005 [ 0.127 ]  ANGLES +/5° SURF FINISH 63 RMS	FILE NUMBER - R275-0111 INITIAL PROJECT - E-GUN						
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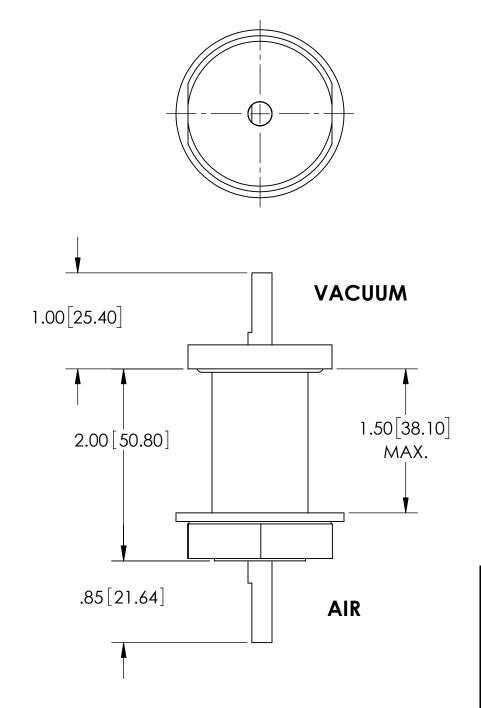
HIGH VOLTAGE FEEDTHRU

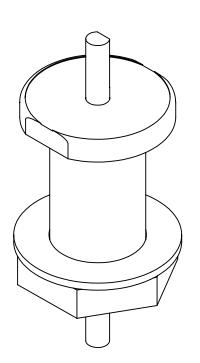
telemark.com

B | SCALE | 1:1 | DWG NO. | R275-0111

A1

ECN ZONE REV DESCRIPTION BY DATE RELEASE FOR REFERENCE D. LY 2/9/2006 A1 UPDATE PWF 11/1/2012 B ADD 275-0002-7 PWF 7/16/2019





ISOMETRIC VIEW

Part Number	Shaft	Throug	gh hole
275-0002-1	1/4"	1.00 inch	25 mm
275-0002-2	1/4"	1.25 inch	32 mm
275-0002-7	3/8"	1.00 inch	25 mm
275-0002-6	3/8"	1.25 inch	32 mm

UNLESS OTHERWISE SPECIFIED	DWG BY <b>D. LY</b> DATE <b>2/13/06</b>	MATERIAL:				
GLOBAL TOLERANCES	CHECK BY DATE PROJENG DATE					
INCHES [mm]	PROJENG DATE MFG ENG DATE	FINISH:				
.XX +/- 0.01 [ 0.254 ]	DO NOT SCALE DRAWING	THIRD ANGLE PROJECTION				
.XXX +/- 0.005 [0.127]  ANGLES +/5°  SURF FINISH 63 RMS	FILE NUMBER - R275-0109 INITIAL PROJECT - E-GUN					
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.X +/03 [0.762] .XX +/-0.01 [0.254] .XXX +/-0.005 [0.127]  ANGLES +/5° SURF FINISH 63 RMS  CONFIDENTIAL. This document contains proprietary of TELEMARK. The receipt or possession of the document contains proprietary of Security of Teleman (Security 1998).	MFG ENG DATE  DO NOT SCALE DRAWING  FILE NUMBER - R275-0109  INITIAL PROJECT - E-GUN  data of TELEMARK and is not to be copied ment does not convey any rights to reproduce the disclosed by it. Such concepts and	THIRD ANGLE PROJECTION  or distribetd without the prior written consent luce it, disclose its contents, or to manufacture, details are not to be used other than for the				

**ROTARY 1/4" FEEDTHRU** 

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B

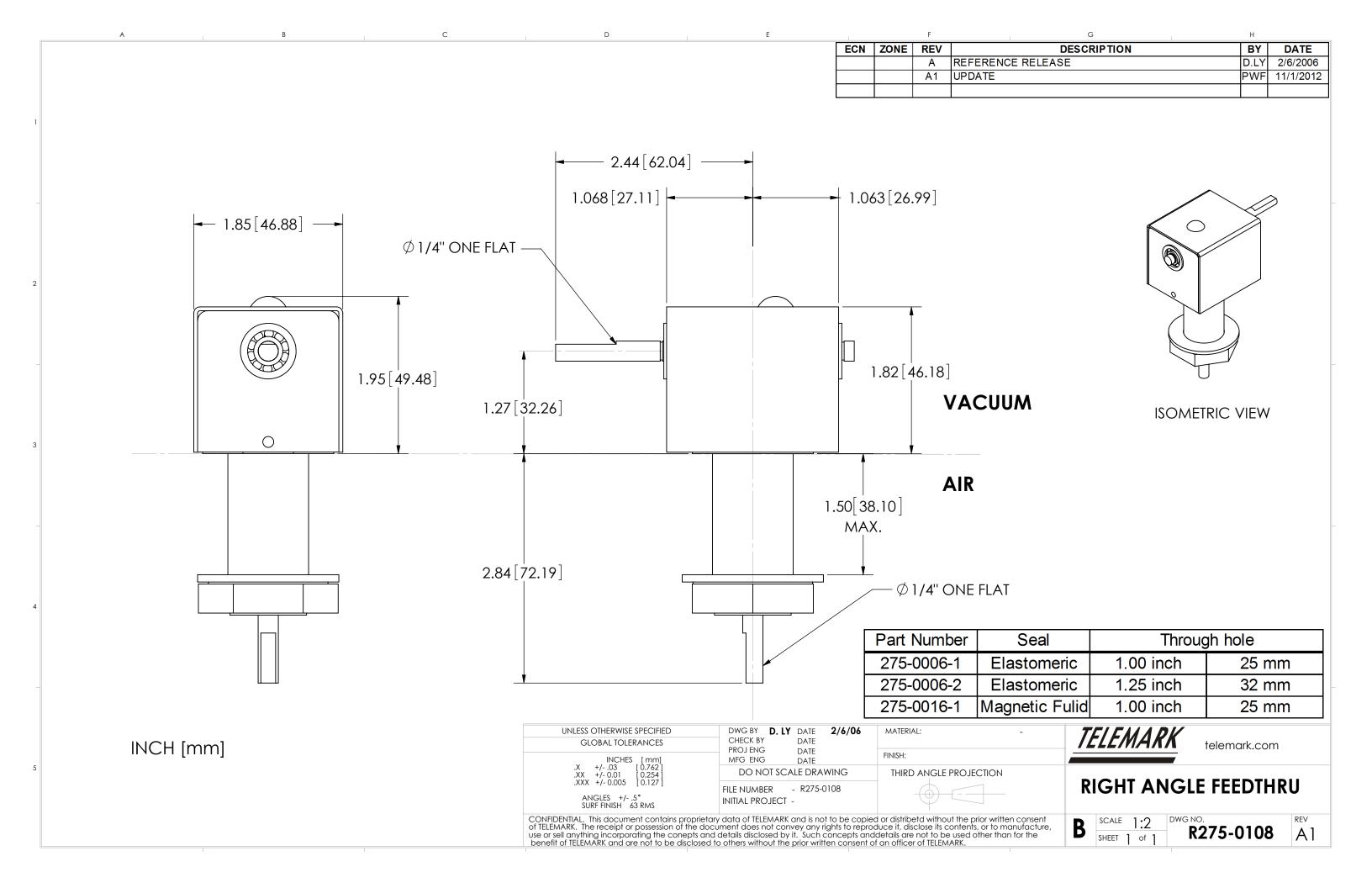
R275-0109

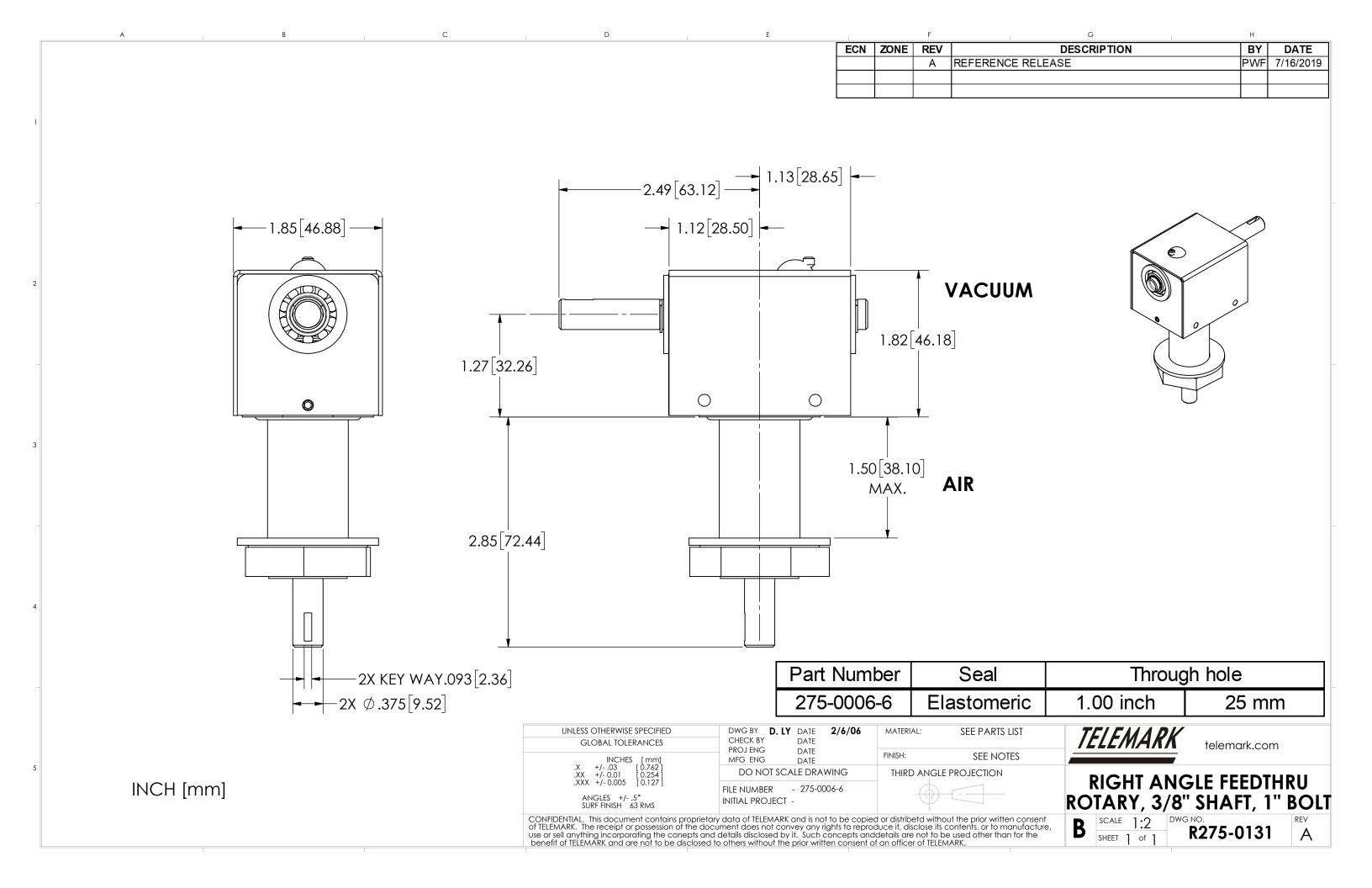
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telemark.com

INCH [mm]

ECN ZONE REV DESCRIPTION BY DATE 2/9/2006 RELEASE FOR REFERENCE Α A1 UPDATE PWF 11/1/2012 - Ø 1.63[41.28] **VACUUM** 1.00[25.40] ISOMETRIC VIEW 1.50[38.10] 2.00 [50.80] MAX. .85[21.64] **AIR** Through hole Shaft Part Number INCH [mm] 275-0012-1 1/4" 1.00 inch 25 mm DWG BY **D. LY** DATE **2/13/06** TELEMARK UNLESS OTHERWISE SPECIFIED MATERIAL: CHECK BY DATE GLOBAL TOLERANCES telemark.com PROJ ENG DATE MFG ENG DO NOT SCALE DRAWING THIRD ANGLE PROJECTION **MAGNETIC FUILD SEAL** FILE NUMBER - R275-0109 ANGLES +/- .5° SURF FINISH 63 RMS **FEEDTHRU** INITIAL PROJECT - E-GUN CONFIDENTIAL. This document contains proprietary data of TELEMARK and is not to be copied or distribetd without the prior written consent of TELEMARK. The receipt or possession of the document does not convey any rights to reproduce it, disclose its contents, or to manufacture, use or sell anything incorporating the conepts and details disclosed by it. Such concepts and details are not to be used other than for the benefit of TELEMARK and are not to be disclosed to others without the prior written consent of an officer of TELEMARK. B R275-0120 A1



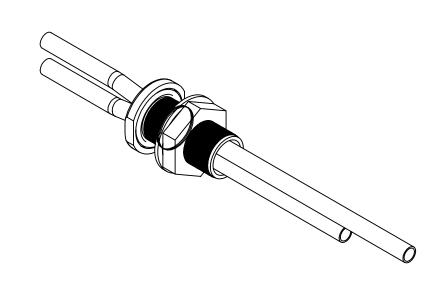


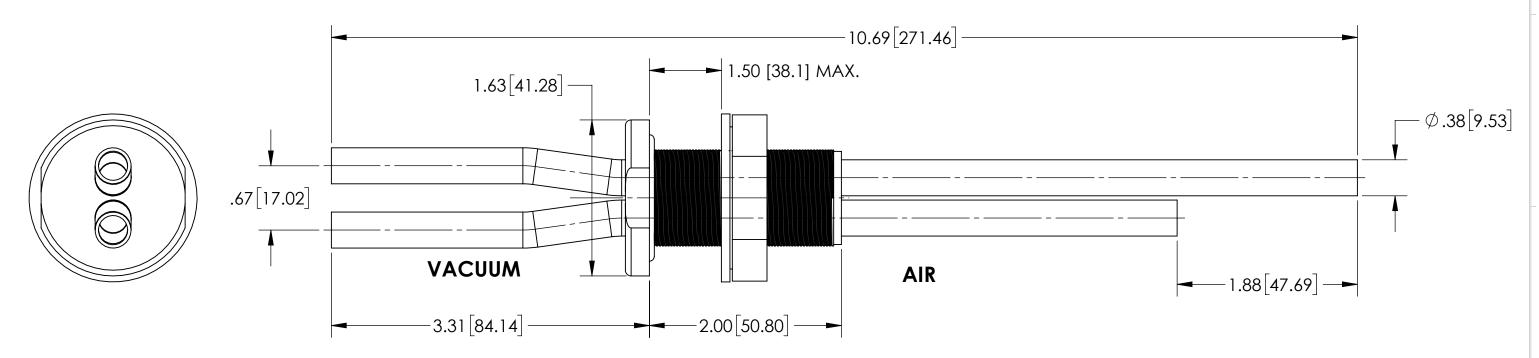
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 BY
 DATE

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 REFERENCE RELEASE
 D. LY
 2/13/2006

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 UPDATE
 PWF
 11/1/2012

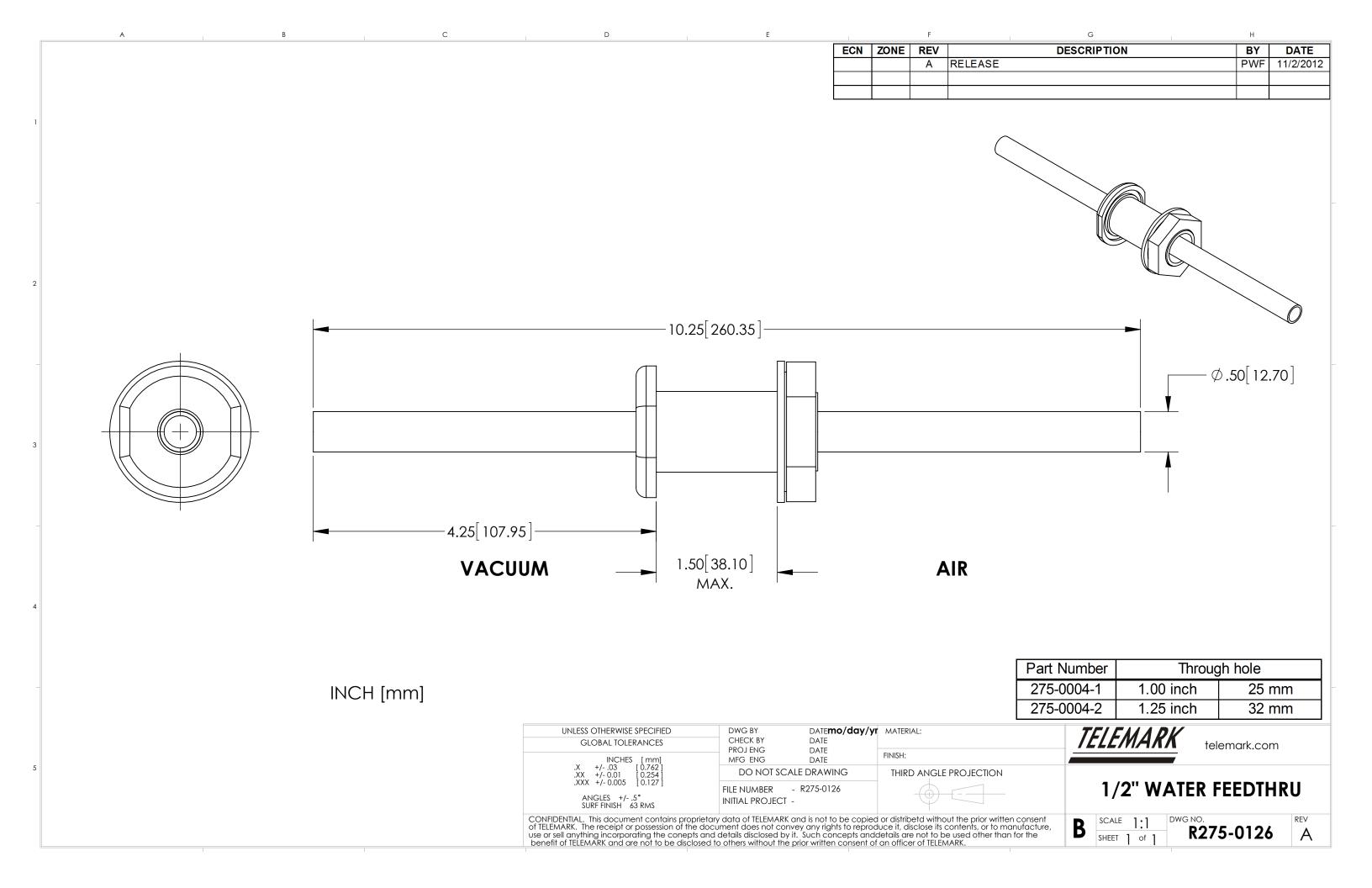
 B
 UPDATE WATERLINES
 PWF
 7/16/2019



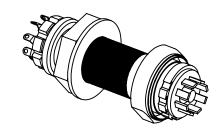


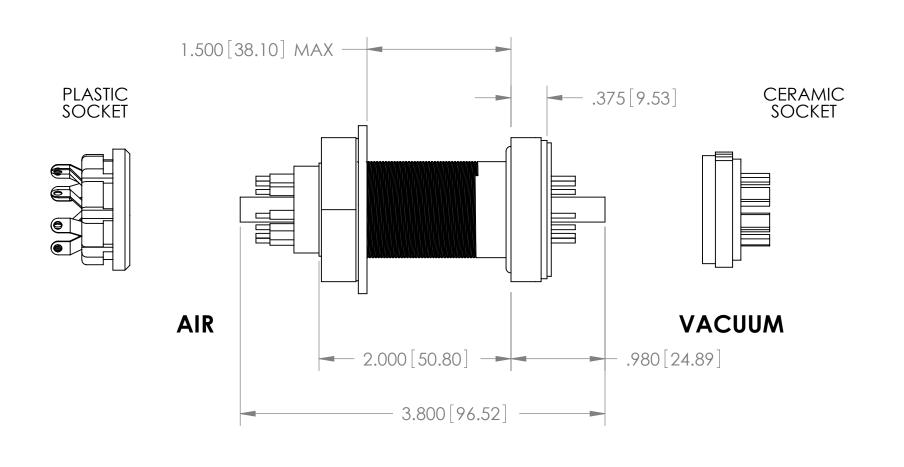
Part Number	Throug	gh hole
275-0003-1	1.00 inch	25 mm
275-0003-2	1.25 inch	32 mm

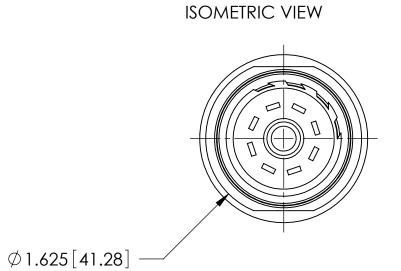
UNLESS OTHERWISE SPECIFIED  GLOBAL TOLERANCES	DWG BY D. LY DATE 2/13/06 CHECK BY DATE	MATERIAL:	<b>TELEMARK</b> telemark.com
INCHES [mm]	PROJENG DATE  MFG ENG DATE	FINISH:	
.X +/03 [ 0.762 ] .XX +/- 0.01 [ 0.254 ]	DO NOT SCALE DRAWING	THIRD ANGLE PROJECTION	DUAL WATER
.XXX +/- 0.005 [ 0.127 ]  ANGLES +/5°  SURF FINISH 63 RMS	FILE NUMBER - INITIAL PROJECT -		3/8" FEEDTHRU
CONFIDENTIAL. This document contains proprieta of TELEMARK. The receipt or possession of the docuse or sell anything incorporating the conepts and benefit of TELEMARK and are not to be disclosed	cument does not convey any rights to reproc d details disclosed by it. Such concepts and	duce it, disclose its contents, or to manufacture, details are not to be used other than for the	B   SCALE   1:1   DWG NO.   R275-0110   B



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ECN	ZONE	REV		DESCRIPTION		BY	DATE
		Α	RELEASE	FOR REFERENCE		D. LY	2/13/2006
		A1	UPDATE			PWF	11/2/2012
		A2	UDATED C	ERAMIC SOCKET		GPD	3/12/2019







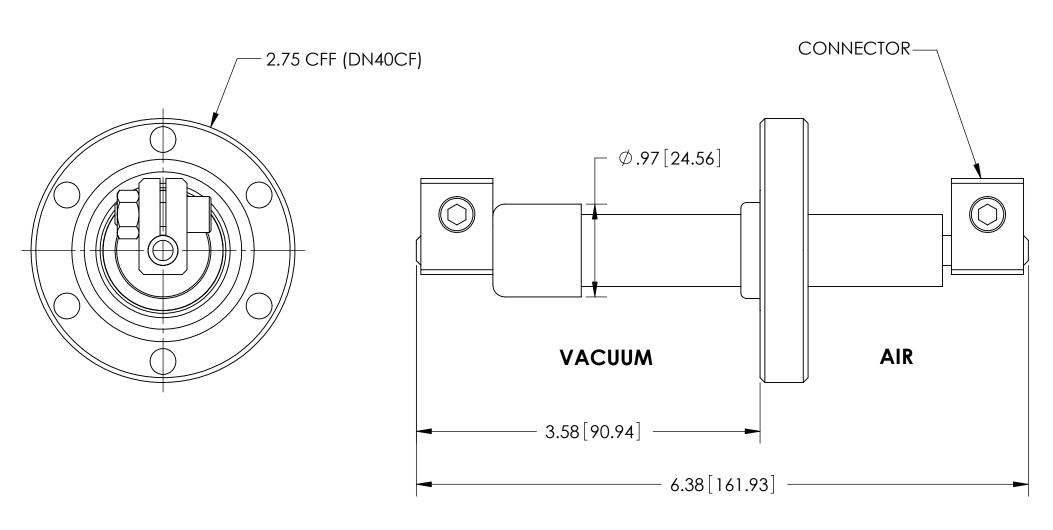
INCH [mm]

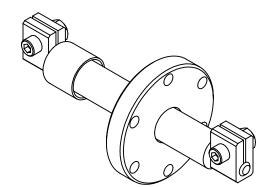
250 VOLTS, 10 AMP

Part Number	Throug	gh hole
275-0008-1	1.00 inch	25mm
275-0008-2	1.25 inch	32mm

UNLESS OTHERWISE SPECIFIED GLOBAL TOLERANCES	DWG BY D. LY DATE 2/13/06 CHECK BY DATE PROJENG DATE	MATERIAL:	<b>TELEMARK</b> telemark,com	
INCHES [ mm]	PROJENG DATE MFG ENG DATE	FINISH:		
.X +/03 [ 0.762 ] .XX +/- 0.01 [ 0.254 ]	DO NOT SCALE DRAWING	THIRD ANGLE PROJECTION		
.XXX +/- 0.005 [ 0.127 ]  ANGLES +/5°  SURF FINISH 63 RMS	FILE NUMBER - R275-0112 INITIAL PROJECT - E-GUN		OCTAL FEEDTHRU	
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ECN	ZONE	REV	DESCRIPTION		DATE
		Α	RELEASE FOR REFERENCE	D.LY	2/27/2006
		A1	UPDATE		11/1/2012





12,000 VOLT, 70 AMP OFHC COPPER CONDUCTOR FARADAY CUP/ COATING SHIELDING BAKEABLE TO 250°C

Part Number DESCRIPTION
275-0001-3 HIGH VOLTAGE FEEDTHRU CFF

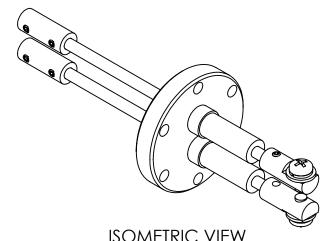
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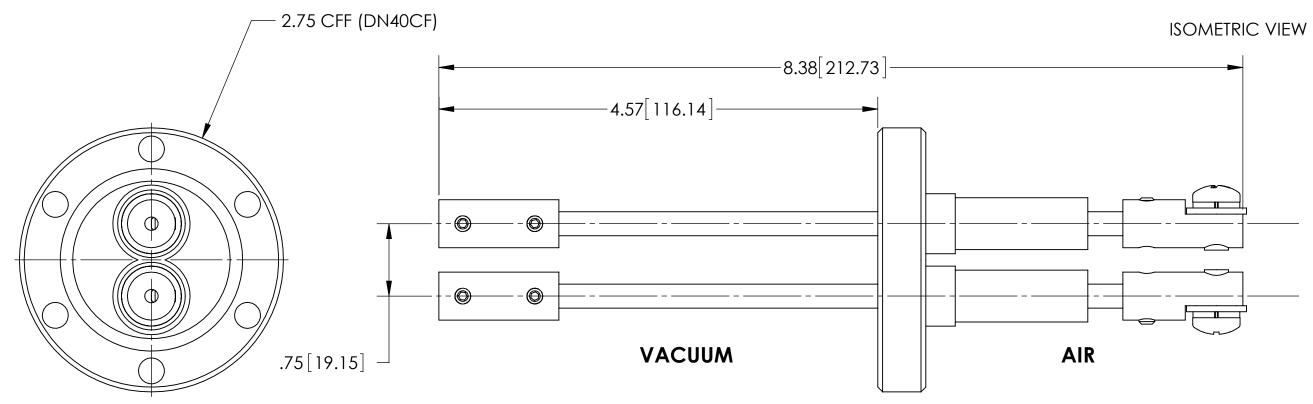
UNLESS OTHERWISE SPECIFIED GLOBAL TOLERANCES	DWG BY D. LY DATE 2/27/06 CHECK BY DATE	MATERIAL: B.O.M.	<b>TELEMARK</b> telemark.com	
INCHES [mm]	PROJENG DATE MFG ENG DATE	FINISH:		
.X +/03 [ 0.762 ] .XX +/- 0.01 [ 0.254 ]	DO NOT SCALE DRAWING	THIRD ANGLE PROJECTION		
.XXX +/- 0.005 [ 0.127 ]  ANGLES +/5°  SURF FINISH 63 RMS	FILE NUMBER - R275-0117 INITIAL PROJECT - E-GUN		HV FEEDTHRU, CFF	
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 ECN
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 D. LY
 1/14/2008

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 UPDATE
 PWF
 11/1/2012



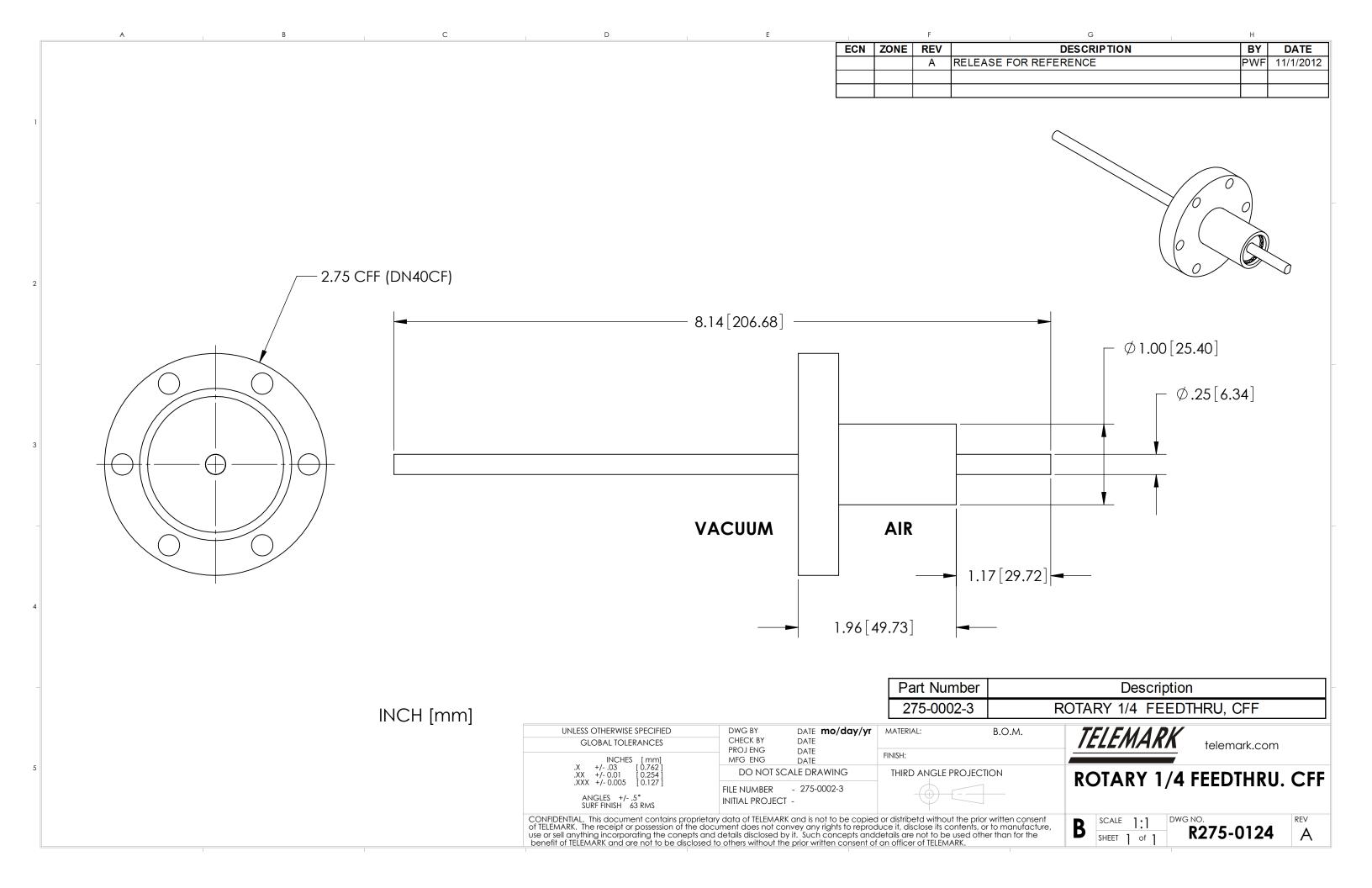


12,000 VOLT, 70 AMP OFHC COPPER CONDUCTOR BAKEABLE TO 250°C

INCH [mm]

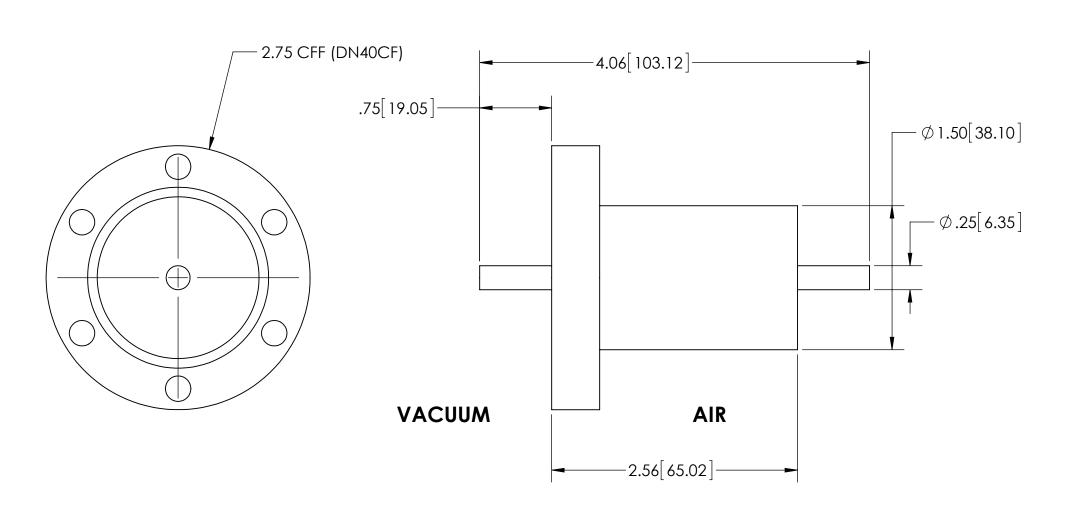
	Part Number	Description	
275-0019-1 DUAL HIGH Voltage Feedthru CFF (8 AW			
		DUAL HIGH Voltage Feedthru CFF (10 AWG)	

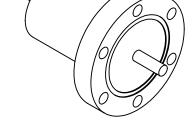
UNLESS OTHERWISE SPECIFIED GLOBAL TOLERANCES INCHES [ mm]	DWG BY D. LY DATE 1/14/08 CHECK BY DATE PROJ ENG DATE MFG ENG DATE	MATERIAL: B.O.M.  FINISH:	TELEMARK telemark.com
.X +/03 [0.762] .XX +/- 0.01 [0.254] .XXX +/- 0.005 [0.127] ANGLES +/5° SURF FINISH 63 RMS	DO NOT SCALE DRAWING  FILE NUMBER - 275-0019-1 INITIAL PROJECT -	THIRD ANGLE PROJECTION	DUAL PASS HIGH VOLTAGE FEEDTHRU
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 RELEASE
 PWF
 11/2/2012





INCH [mm]

Part Number	Description
275-0012-3	FEEDTHRU, ROTARY, MAGNETIC FULID SEAL, CFF

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	INCHES [ mm]	MFG ENG	DATE DATE	FINISH:				
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	.XXX +/- 0.005 [0.127]  ANGLES +/5°  SURF FINISH 63 RMS	FILE NUMBER INITIAL PROJECT	- R275-0125 -		M	AGI		
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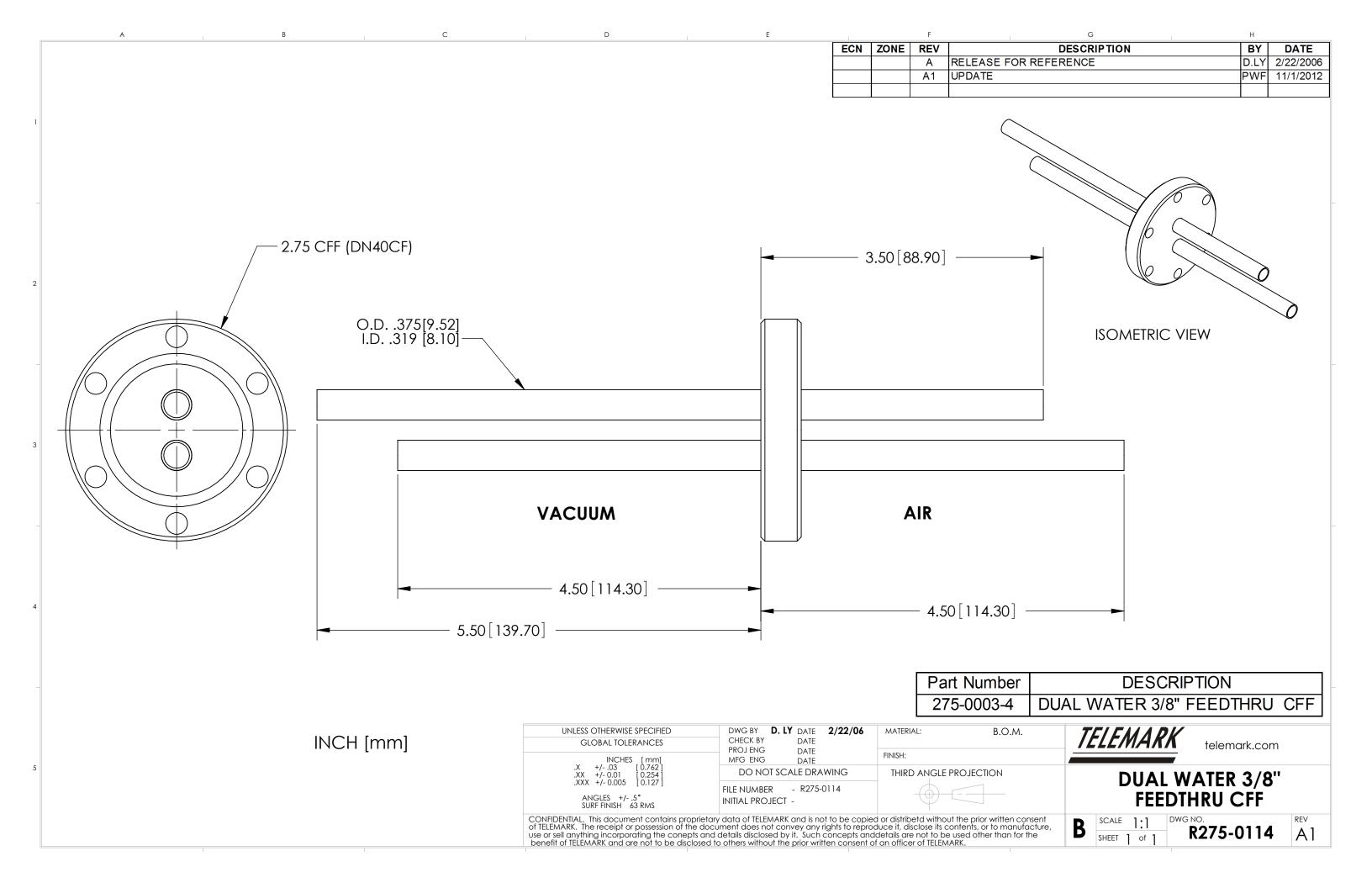
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FEEDTHRU, ROTARY, MAGNETIC FULID SEAL, CFF

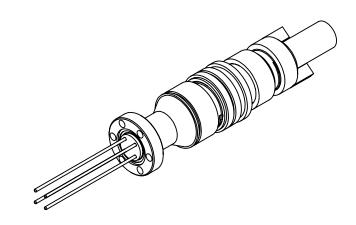
telemark.com

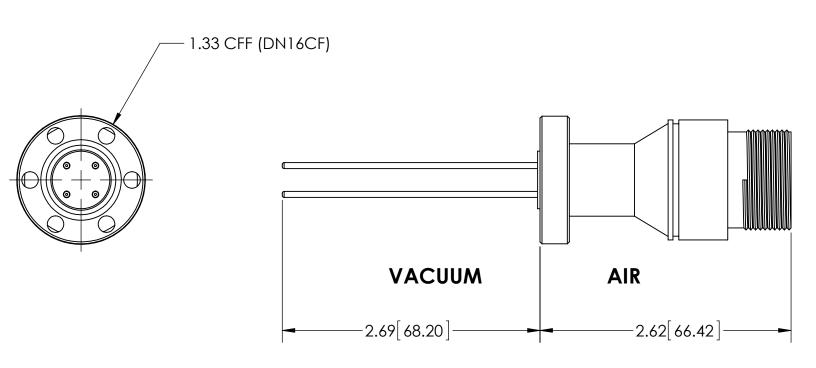
B | SCALE | 1:1 | DWG NO. | R275-0125

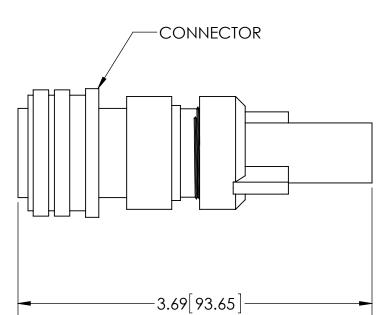
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ECN ZONE REV DESCRIPTION DATE BY PWF 11/14/2012 RELEASE







INCH [mm]

Part Number	Description
275-0014-1	4 PIN INSTRUMENT FEEDTHRU, CFF

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GLOBAL TOLERANCES	CHECK BY DATE		TELEMARK telemark.com
INCHES [mm]	PROJENG DATE MFG ENG DATE	FINISH:	
.X +/03 [ 0.762 ] .XX +/- 0.01 [ 0.254 ]	DO NOT SCALE DRAWING	THIRD ANGLE PROJECTION	4 PIN INSTRUMENT
.XXX +/- 0.005 [ 0.127 ]  ANGLES +/5°  SURF FINISH 63 RMS	FILE NUMBER - R275-0127 INITIAL PROJECT -		FEEDTHRU, CFF
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R275-0127

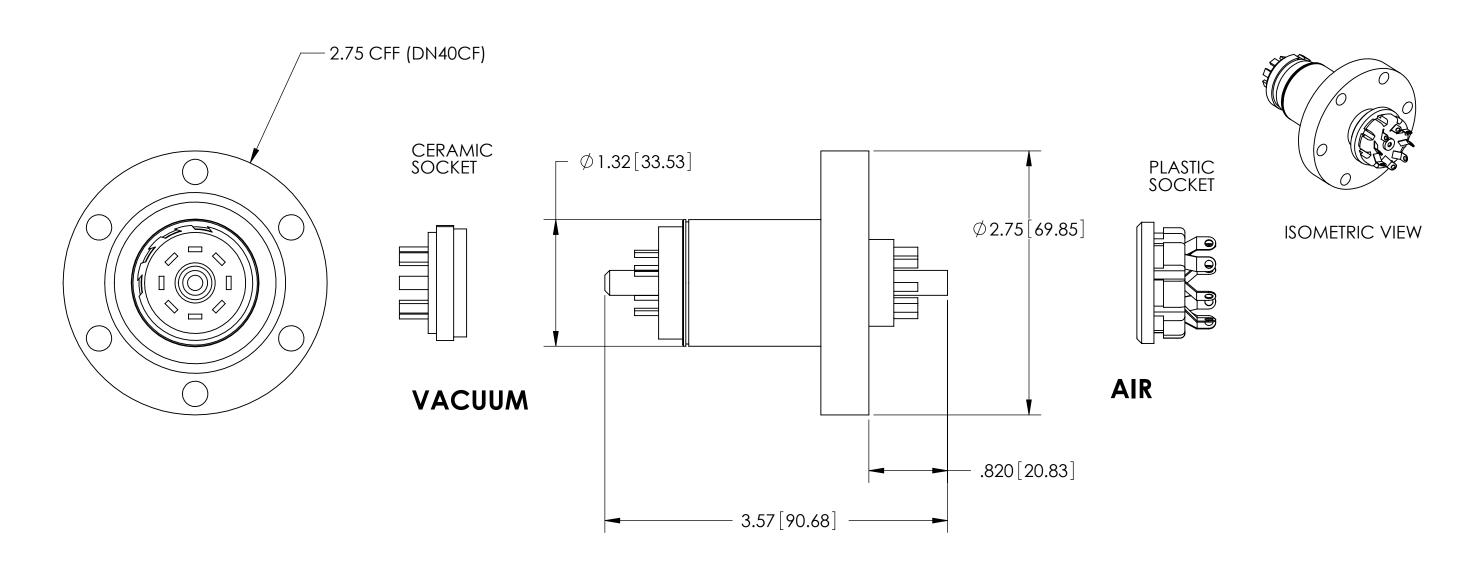
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 BY
 DATE

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 RELEASE FOR REFERENCE
 D.LY
 2/22/2006

 A1
 UPDATE
 PWF
 11/1/2012

 B
 UPDATE, VACUUM CONNECTOR
 PWF
 7/16/2019



INCH [mm]

250 VOLTS, 10 AMP BAKEABLE TO 200°C

Part Number	DESCRIPTION
275-0008-3	OCTAL FEEDTHRU CFF

UNLESS OTHERWISE SPECIFIED GLOBAL TOLERANCES	DWG BY D. LY DATE 2/22/06 CHECK BY DATE PROJENG DATE	MATERIAL:	<b>TELEMARK</b> telemark.com
INCHES [mm]	PROJENG DATE MFG ENG DATE	FINISH:	
.X +/03 [ 0.762 ] .XX +/- 0.01 [ 0.254 ]	DO NOT SCALE DRAWING	THIRD ANGLE PROJECTION	8 PIN INSTRUMENT
.XXX +/- 0.005 [ 0.127 ]  ANGLES +/5°  SURF FINISH 63 RMS	FILE NUMBER - INITIAL PROJECT -		F/T, OCTAL CFF
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