

4

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| PART NUMBER  | MS NUMBER    | SIZE REF | ØA                                     | ØB        | C          | COLOR CODE | TYPE I | TYPE II |
|--------------|--------------|----------|----------------------------------------|-----------|------------|------------|--------|---------|
| 10-405996-22 | MS27488-22   | 23/22    | .040±.005                              | .063±.005 | .469±.031  | BLACK      | I      |         |
| -20          | MS27488-20   | 20       | .060 <sup>+.005</sup> <sub>-.010</sub> | .090      | .564±.020  | RED        | I      |         |
| -16          | MS27488-16   | 16       | .083±.010                              | .133      | .564±.020  | BLUE       | I      |         |
| -12          | MS27488-12   | 12       | .121±.010                              | .171      | .564±.020  | YELLOW     | I      |         |
| -8           | MS27488-8    | 8        | .185±.010                              | .315      | .470±.010  | RED        | I      |         |
| -4           | MS27488-4    | 4        | .310±.010                              | .415      | .470±.010  | BLUE       | I      |         |
| -0           | MS27488-0    | 0        | .440±.010                              | .605      | 1.000±.010 | YELLOW     | I      |         |
| -221         | MS27488-22-1 | 23/22    | .041 <sup>+.004</sup> <sub>-.003</sub> | .062±.004 | .771±.025  | BLACK      |        | II      |
| -201         | MS27488-20-1 | 20       | .053±.005                              | .085±.005 | .780       | RED        |        | II      |
| -161         | MS27488-16-1 | 16       | .074±.005                              | .125±.005 | 1.447      | BLUE       |        | II      |
| -121         | MS27488-12-1 | 12       | .120±.005                              | .165±.005 | 1.416      | YELLOW     |        | II      |
| -81          | MS27488-8-1  | 8        | .170±.005                              | .310±.005 | 1.164      | RED        |        | II      |
| -41          | MS27488-4-1  | 4        | .278±.005                              | .409±.005 | 1.164      | BLUE       |        | II      |
| -01          | MS27488-0-1  | 0        | .423 <sup>+.008</sup> <sub>-.007</sub> | .601±.005 | 1.046      | YELLOW     |        | II      |
| -222         | MS27488-22-2 | 23/22    | .041 <sup>+.004</sup> <sub>-.003</sub> | .062±.004 | .469±.031  | BLACK      |        | II      |
| -202         | MS27488-20-2 | 20       | .053±.005                              | .085±.005 | .780±.025  | RED        |        | II      |
| -162         | MS27488-16-2 | 16       | .074±.005                              | .125±.005 | .847       | GREEN      |        | II      |
| -122         | MS27488-12-2 | 12       | .120±.005                              | .165±.005 | .816       | ORANGE     |        | II      |
| -163         | MS27488-16-3 | 16       | .074±.005                              | .125±.005 | 1.447      | BLUE       |        | II      |
| -123         | MS27488-12-3 | 12       | .120±.005                              | .165±.005 | 1.416      | YELLOW     |        | II      |
| -83          | MS27488-8-3  | 8        | .170±.005                              | .310±.005 | 1.164      | RED        |        | II      |
| -43          | MS27488-4-3  | 4        | .278±.005                              | .409±.005 | 1.164      | BLUE       |        | II      |
| -03          | MS27488-0-3  | 0        | .423 <sup>+.008</sup> <sub>-.007</sub> | .601±.005 | 1.046      | YELLOW     |        | II      |

5. PARTS MUST BE CAPABLE OF WITHSTANDING A 90° BEND WITH NO EVIDENCE OF CRACKING.

4. INSULATION RESISTANCE SHALL BE 100 MEGOHMS MINIMUM AT 500 VDC ±2% USING FLAT PROBES ON OPPOSITE FLAT ENDS OF THE SEALING PLUG.

3. MATERIAL: FEP (ASTM-D2116)  
PFA (ASTM-D3307) OR  
PTFE (ASTM-D1710, OR PPSU (ASTM-D6394)  
RESIN. SURFACE FINISH TO BE 32%.

2. INDICATED DIAMETER MUST BE FREE OF FLASH OR SURFACE IMPERFECTIONS.

1. SPECIFIED GENERAL TOLERANCES:  
CORNERS .000-.010

NOTES:

⊕

Ø.005

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COMPANY ID: 9  
INTERNAL: N  
DATE CODE: N

CODED/MS/CUST: N  
LOT NO: N  
SEE DRAW: N

STAMPING DATA

N/A  
N/A  
NEXT ASSEMBLY

UNLESS OTHERWISE SPECIFIED

SPECIFICATIONS

MATERIAL SPEC.

SEE NOTE 3

PROCESS SPEC.

N/A

POS

QTY

PART NUMBER

DESCRIPTION

NOTE

APPROVALS

DATE

PREPARED D. ALGER 07-Nov-01

CHECKED D.FREAR 2-5-02

MATERIAL AL DAVIS 2-4-02

APPROVED D.FREAR 1-31-02

APPROVED E.SHEPLER 1-31-02

PRO/ENG INFORMATION  
10-544762.PART  
10-405996-REVK

LINEAR DIMENSIONS ARE IN INCHES

TOLERANCES:  
.XXXX = ±.0005  
.XXX = ±.010  
.XX = ±.03  
.X = ±.1  
ANGLES = ±2°

OTHER STANDARDS PER 9-3800 AND DOD-D-1000  
THIRD ANGLE PROJECTION

AMPHENOL CORPORATION

SIDNEY, N.Y. 13838

PLUG, SEALING, GROMMET, ELECTRICAL CONNECTOR, TYPE JT-RE

U

SIZE

FSCM NO.

DOCUMENT NO.

REV.

C

77820

10-405996

K

SCALE: 10.0

REF: 10-101033

SHEET 1 OF 2

FAMCODES

DATA3: \*

CICS: \*

REVISIONS

| LTR | DESCRIPTION                                                          | DATE            | APPVD          |
|-----|----------------------------------------------------------------------|-----------------|----------------|
| H   | (CL11) REDRAWN SAME SIZE ADDED P/N'S -XX1 (TYPE II) ECN: 90777       | 1/26/2002       | D.FREAR 2-4-02 |
| J   | (CL 11) CHG BLOCK ONLY CHANGE TO ALLOW USE OF -XX NUMBERS ECN: 92705 | 3-12-03 V.JONES |                |
| K   | (CL 11) ADDED -222 THRU -03 AND DATA, SEE ECN ECN: A6037             | D.FREAR 8-11-08 |                |

TYPE I

SCALE 2

TYPE II

SCALE 5

10-405996

1 OF 2

Doc No

4

3

2

1

FORMAT: CUP REV: 22-JULY-92

IMAGED / Jan . 30 2009, 12:42 PM

D

D

C

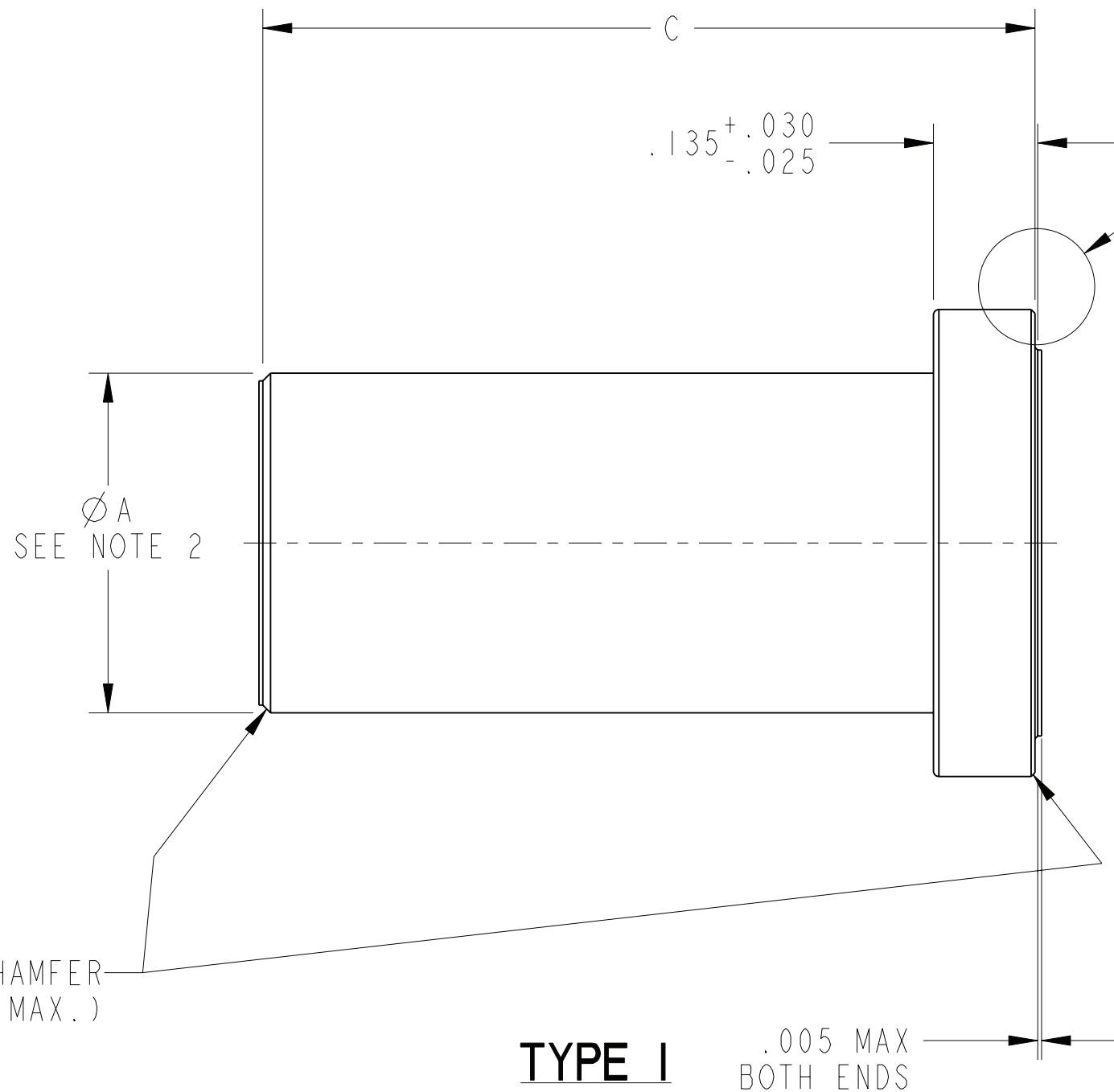
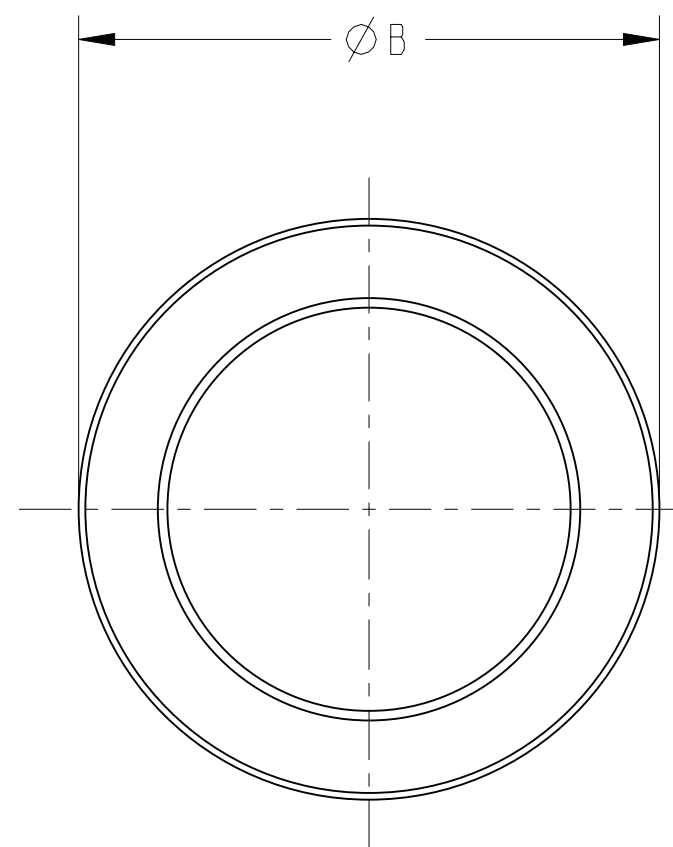
C

B

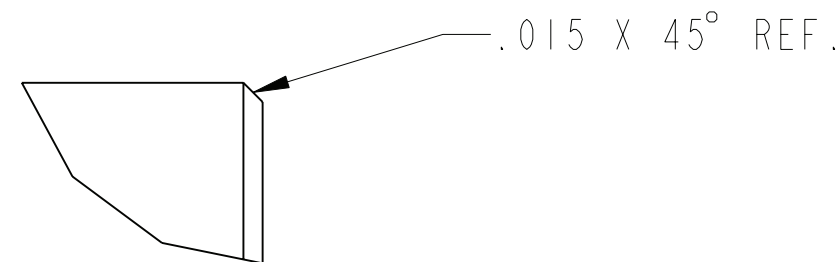
B

A

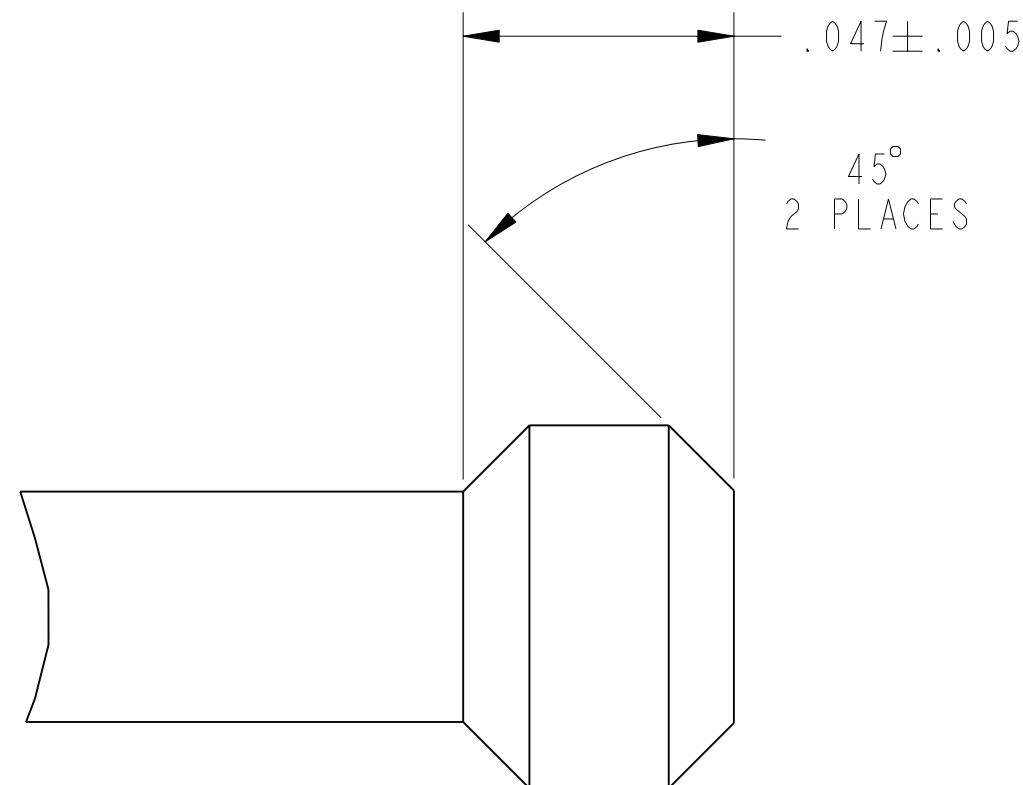
A



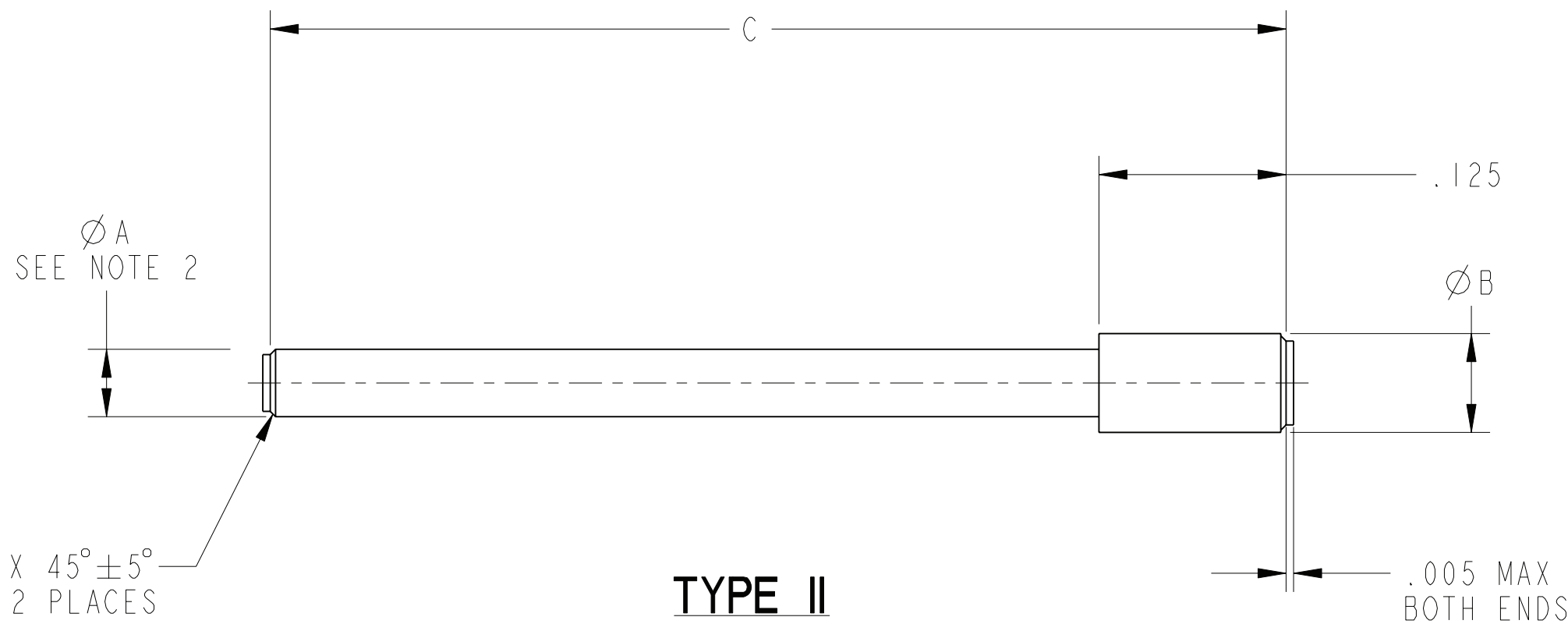
**TYPE I**



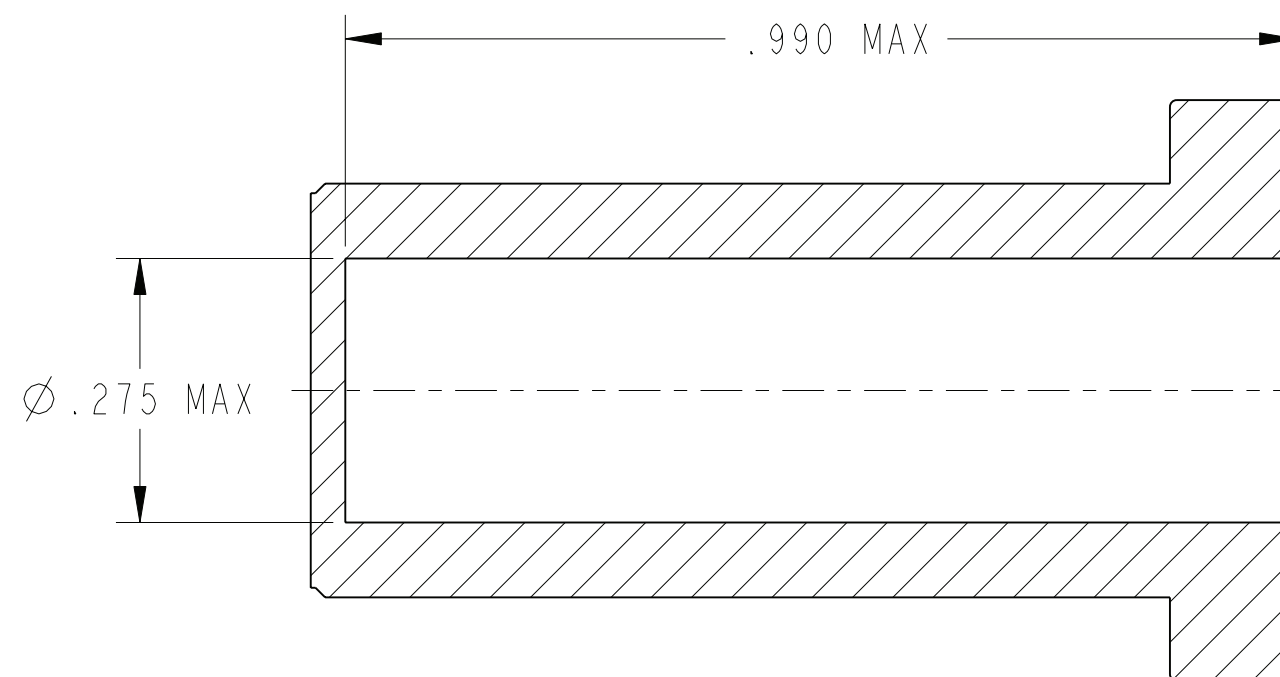
**DETAIL D**  
SCALE 20



**KNOB**  
**SIZE 22 ONLY**  
**TYPE I**



**TYPE II**



**OPTIONAL DESIGN FOR 10-405996-03**  
**(MS27488-0-3)**

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| SIZE        | FSCM NO. | DOCUMENT NO.   | REV.         |
|-------------|----------|----------------|--------------|
| C           | 77820    | 10-405996      | K            |
| SCALE: 10.0 |          | REF: 10-101033 | SHEET 2 OF 2 |

SH 2 OF 2

10-405996

DOC NO

A