

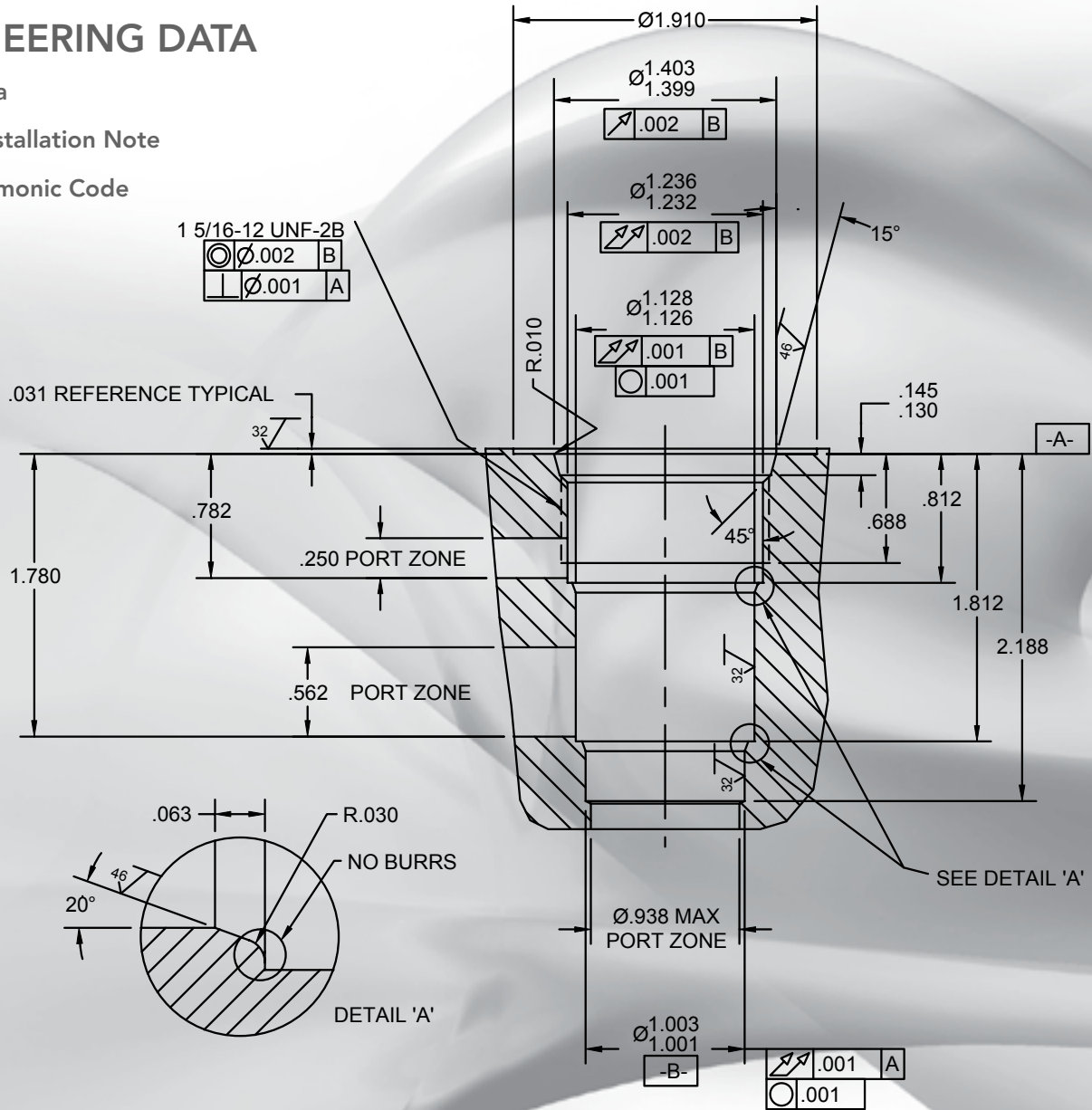


ENGINEERING DATA

Cavity Data

General Installation Note

Valve Mnemonic Code



Manufacturers of hydraulic cartridge valves
and electro-hydraulic systems

ENGINEERING DATA



Section / Description	page
CAVITY DATA	ED2
VALVE MNEMONIC CODE	ED35

W11 / 2017

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CAVITY DATA

THREAD CAVITIES

SERIES	SIZE	THREAD SIZE	TOOLS KIT	PAGE
MINI 2W	7	5/8-18 UNF 2B	40500003	ED3
MINI 3W	7	5/8-18 UNF 2B	40500004	ED4
MINI 4W	7	5/8-18 UNF 2B	40500006	ED5
POWER 2W	8	3/4-16 UNF 2B	40500005	ED6
POWER 3W	8	3/4-16 UNF 2B	40500024	ED7
POWER 4W	8	3/4-16 UNF 2B	40500029	ED8
DELTA 2W	10	7/8-14 UNF 2B	40500000	ED9
DELTA 2W SPECIAL	10	7/8-14 UNF 2B	40500028	ED10
DELTA 3W	10	7/8-14 UNF 2B	40500001	ED11
DELTA 4W	10	7/8-14 UNF 2B	40500002	ED12
TECNORD 2W	12	1 1/16-12 UNF 2B	40500032	ED13
TECNORD 3W SHORT	12	1 1/16-12 UNF 2B	40500033	ED14
TECNORD 3W	12	1 1/16-12 UNF 2B	40500034	ED15
TECNORD 4W	12	1 1/16-12 UNF 2B	40500035	ED16
TECNORD 5W SHORT	12	1 1/16-12 UNF 2B	40500037	ED17
SUPER 2W	16	1 5/16-12 UNF 2B	40500017	ED18
SUPER 3W SHORT	16	1 5/16-12 UNF 2B	40500021	ED19
SUPER 3W	16	1 5/16-12 UNF 2B	40500018	ED20
SUPER 4W	16	1 5/16-12 UNF 2B	40500019	ED21
SUPER 5W SHORT	16	1 5/16-12 UNF 2B	40500020	ED22
SUPER 5W	16	1 5/16-12 UNF 2B	40500038	ED23
QS SPECIAL 3W	10	M20 X 1.5-H6	40500012	ED24
T031 3W	-	G 7/8"	K-T031	ED25
T042 4W	-	7/8-14 UNF 2B	K-T042	ED26
T308 3W	-	7/8-14 UNF 2B	K-T308	ED27

FLANGED SLIP-IN CAVITIES

SERIES	SIZE	FLANGE THREADS	TOOLS KIT	PAGE
T043 3W	D13	M4 (X2)	K-T043	ED28
T056 2W	D16	M6 (x2)	K-T056	ED29
T057 3W	D16	M6 (x2)	K-T057	ED30
T058 4W	D16	M6 (x2)	K-T058	ED31
T059 3W	D17	M6 (x2)	K-T059	ED32
T222 3W	D16.5	M4 (X2)	K-T222	ED33
T250 3W	D9	M4 (X2)	K-T250	ED34

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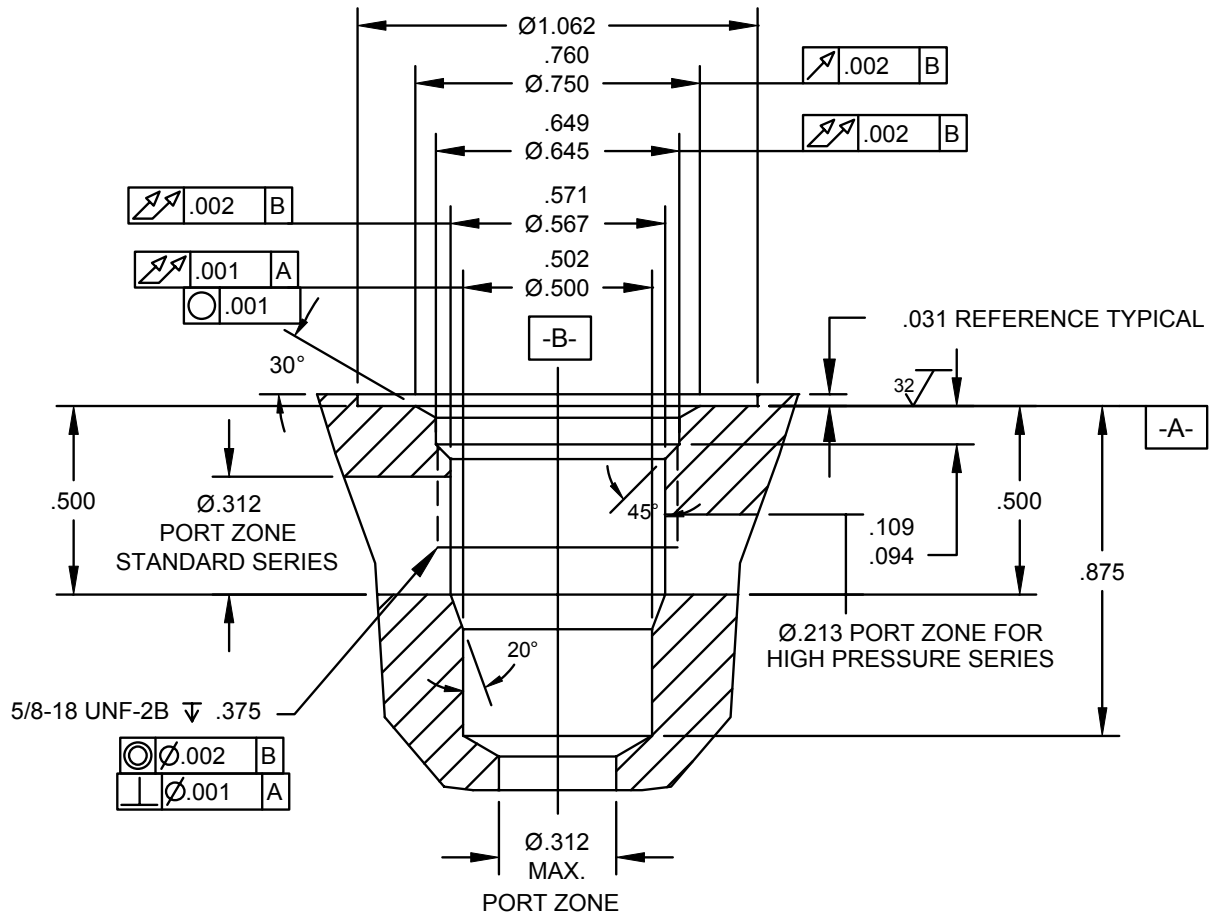


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MINI 2W 7 SIZE, 5/8-18 THREAD "MINI" SERIES



NOTES:

1. CAVITY CAN BE MACHINED WITH DELTA FORM TOOL #40500003.
2. ALL MACHINED SURFACES TO BE 32° FINISH OR BETTER, EXCLUDING THREADS.
3. IT IS VERY IMPORTANT THAT VALVE CAVITIES MEET ALL DIMENSIONAL AND QUALITY STANDARDS OF CONCENTRICITY AND PERPENDICULARITY. THREADS MUST BE PERPENDICULAR TO THE SPOTFACE SURFACE. SPOTFACE MUST CLEAN UP TO FULL DIAMETER. IMPROPERLY MACHINED CAVITIES CAN LEAD TO CARTRIDGE MALFUNCTION AND/OR FAILURE FROM DISTORTION.
4. PORT ZONE IS $\varnothing .213$ MAXIMUM AT PORT #1 ONLY FOR HIGH PRESSURE SERIES MINI VALVES (HA-***-***).

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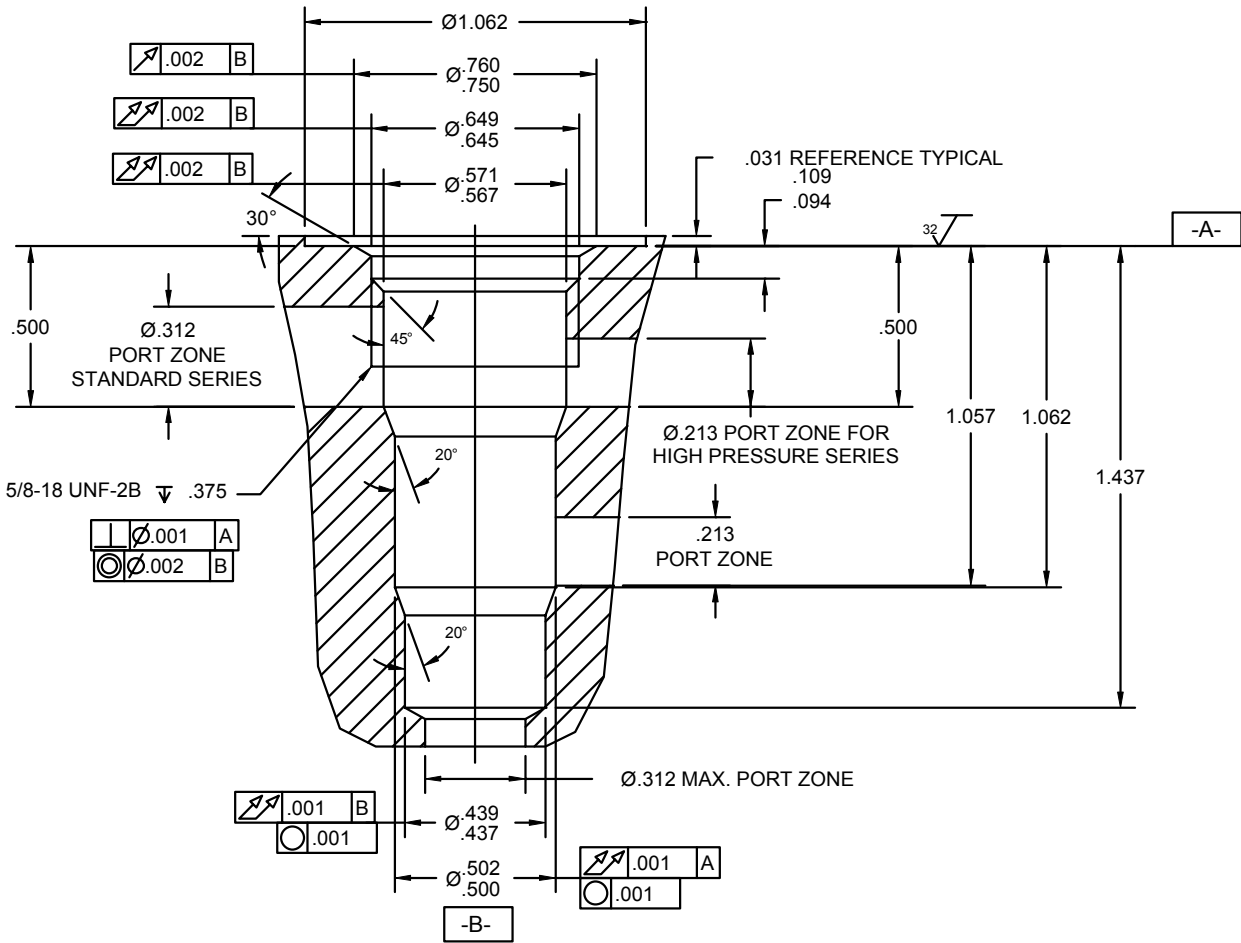


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MINI 3W 7 SIZE, 5/8-18 THREAD "MINI" SERIES



NOTES:

1. CAVITY CAN BE MACHINED WITH DELTA FORM TOOL #40500004.
2. ALL MACHINED SURFACES TO BE $32\sqrt{\text{ }}$ FINISH OR BETTER, EXCLUDING THREADS.
3. IT IS VERY IMPORTANT THAT VALVE CAVITIES MEET ALL DIMENSIONAL AND QUALITY STANDARDS OF CONCENTRICITY AND PERPENDICULARITY. THREADS MUST BE PERPENDICULAR TO THE SPOTFACE SURFACE. SPOTFACE MUST CLEAN UP TO FULL DIAMETER. IMPROPERLY MACHINED CAVITIES CAN LEAD TO CARTRIDGE MALFUNCTION AND/OR FAILURE FROM DISTORTION.
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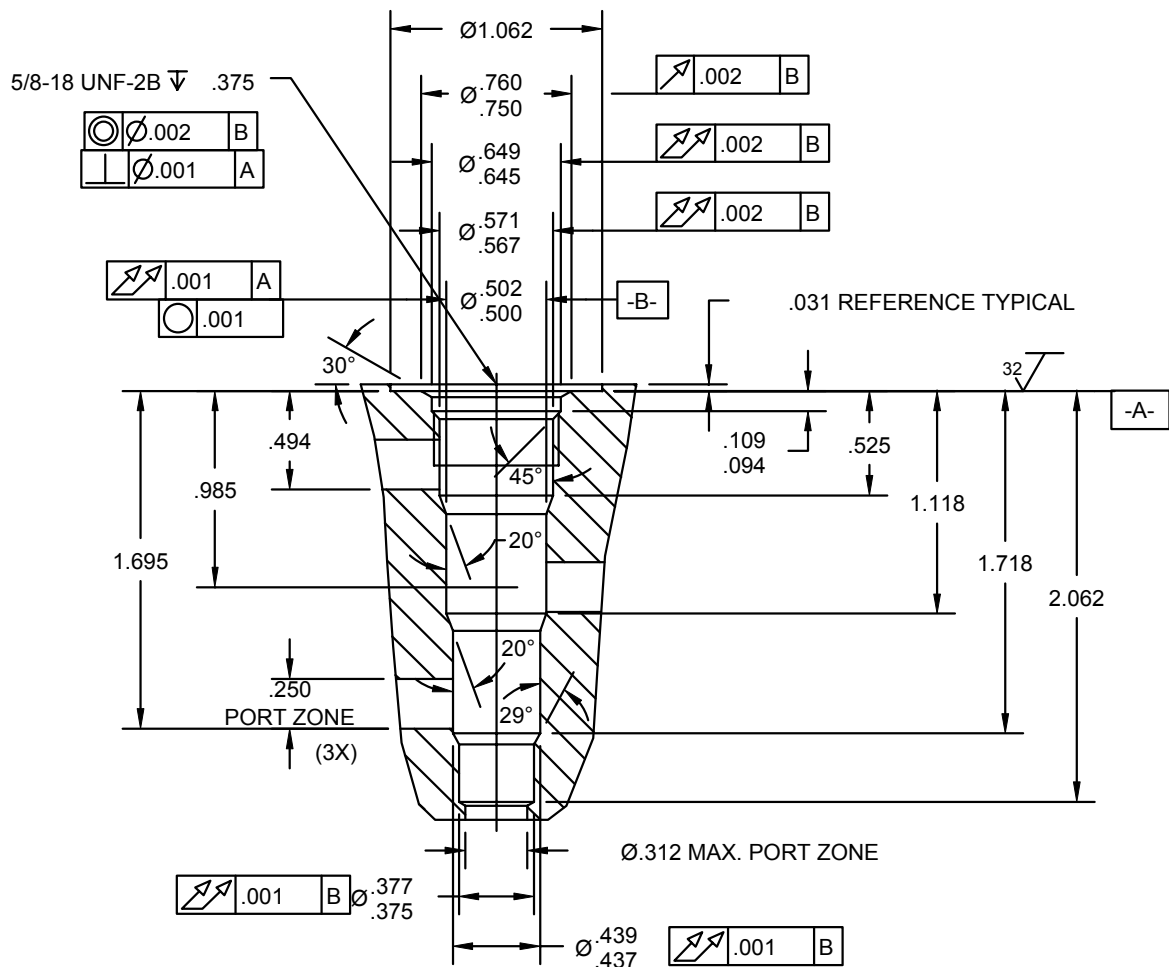
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MINI 4W 7 SIZE, 5/8-18 THREAD "MINI" SERIES



NOTES:

1. CAVITY CAN BE MACHINED WITH DELTA FORM TOOL #40500006.
2. ALL MACHINED SURFACES TO BE 32 $\sqrt{}$ FINISH OR BETTER, EXCLUDING THREADS.
3. IT IS VERY IMPORTANT THAT VALVE CAVITIES MEET ALL DIMENSIONAL AND QUALITY STANDARDS OF CONCENTRICITY AND PERPENDICULARITY. THREADS MUST BE PERPENDICULAR TO THE SPOTFACE SURFACE. SPOTFACE MUST CLEAN UP TO FULL DIAMETER. IMPROPERLY MACHINED CAVITIES CAN LEAD TO CARTRIDGE MALFUNCTION AND/OR FAILURE FROM DISTORTION.

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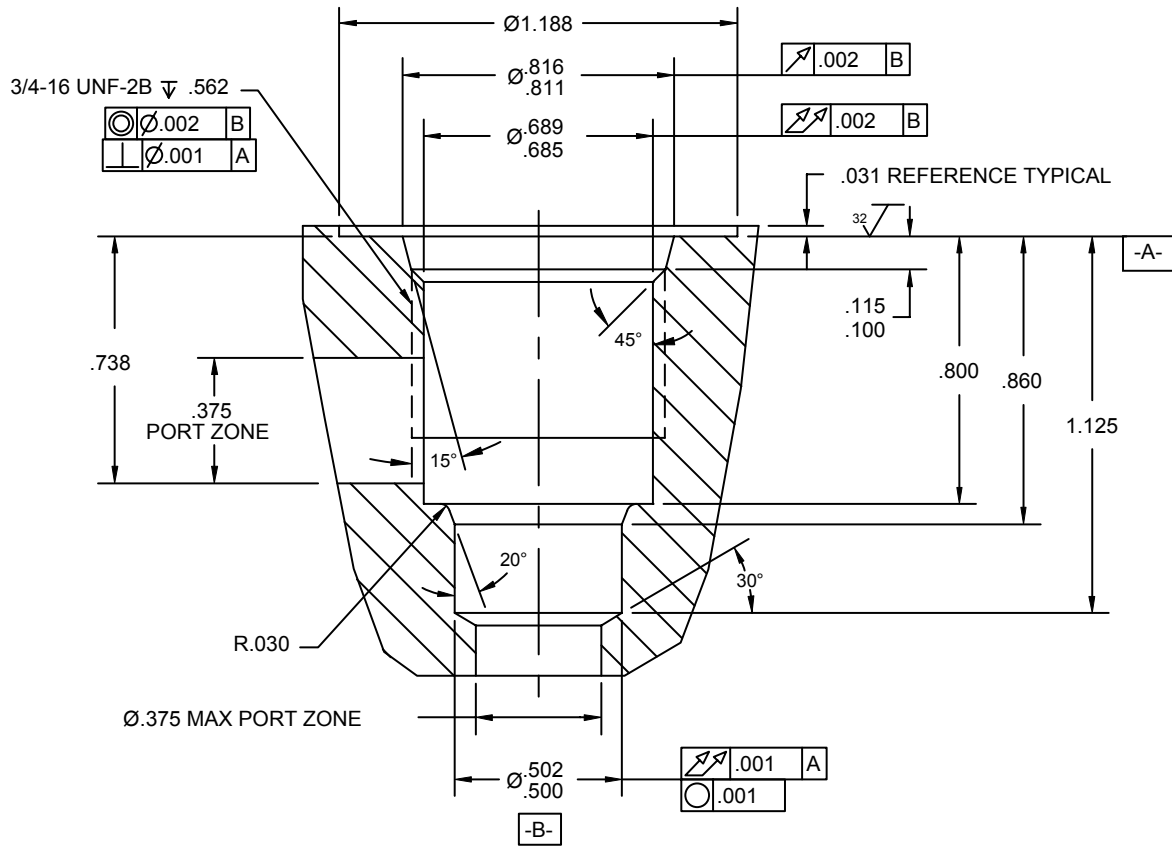


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POWER 2 WAY 8 SIZE, 3/4-16 THREAD "POWER" SERIES



NOTES:

1. CAVITY CAN BE MACHINED WITH DELTA FORM TOOL #40500005.
2. ALL MACHINED SURFACES TO BE $\sqrt{\text{Ra}}$ FINISH OR BETTER, EXCLUDING THREADS.
3. IT IS VERY IMPORTANT THAT VALVE CAVITIES MEET ALL DIMENSIONAL AND QUALITY STANDARDS OF CONCENTRICITY AND PERPENDICULARITY. THREADS MUST BE PERPENDICULAR TO THE SPOTFACE SURFACE. SPOTFACE MUST CLEAN UP TO FULL DIAMETER. IMPROPERLY MACHINED CAVITIES CAN LEAD TO CARTRIDGE MALFUNCTION AND/OR FAILURE FROM DISTORTION.

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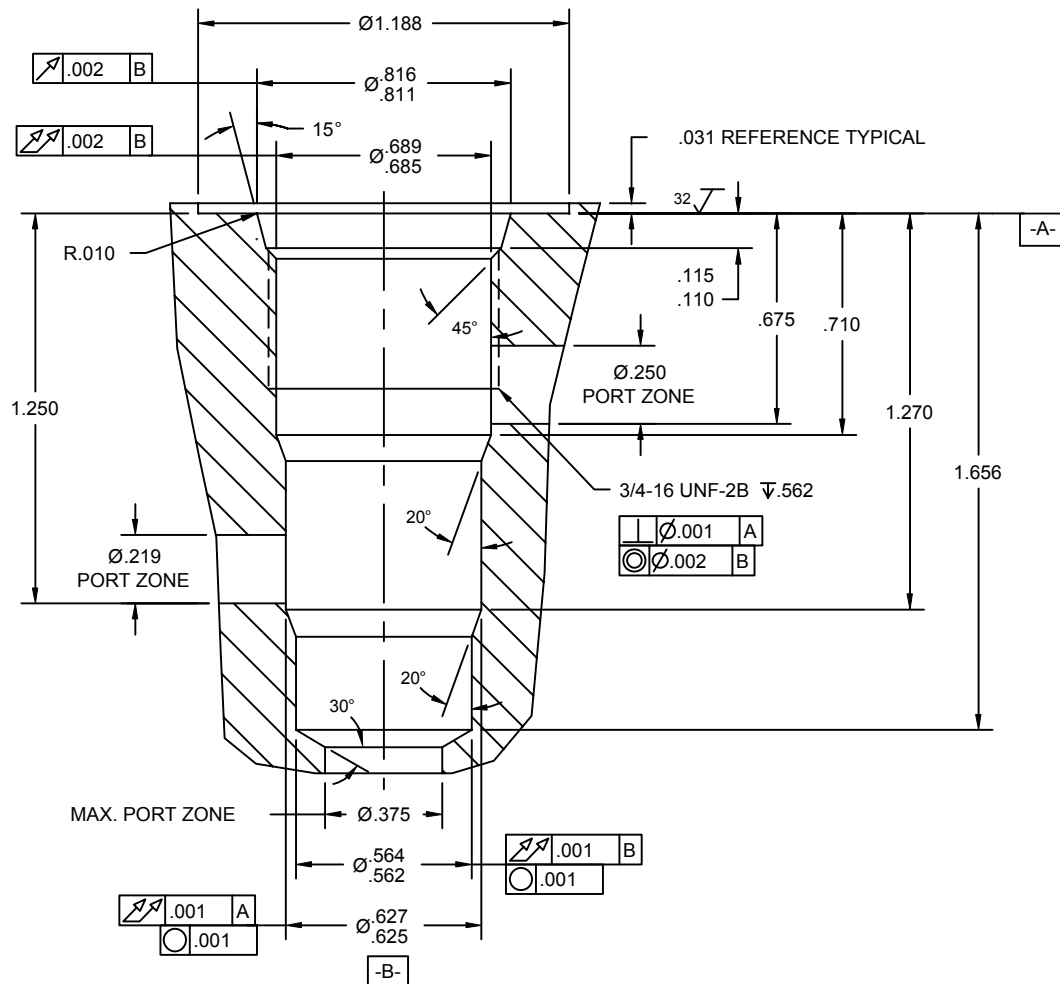
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POWER 3 WAY 8 SIZE, 3/4-16 THREAD "POWER" SERIES



NOTES:

1. CAVITY CAN BE MACHINED WITH DELTA FORM TOOL #40500024.
2. ALL MACHINED SURFACES TO BE 32 \sqrt FINISH OR BETTER, EXCLUDING THREADS.
3. IT IS VERY IMPORTANT THAT VALVE CAVITIES MEET ALL DIMENSIONAL AND QUALITY STANDARDS OF CONCENTRICITY AND PERPENDICULARITY. THREADS MUST BE PERPENDICULAR TO THE SPOTFACE SURFACE. SPOTFACE MUST CLEAN UP TO FULL DIAMETER. IMPROPERLY MACHINED CAVITIES CAN LEAD TO CARTRIDGE MALFUNCTION AND/OR FAILURE FROM DISTORTION.

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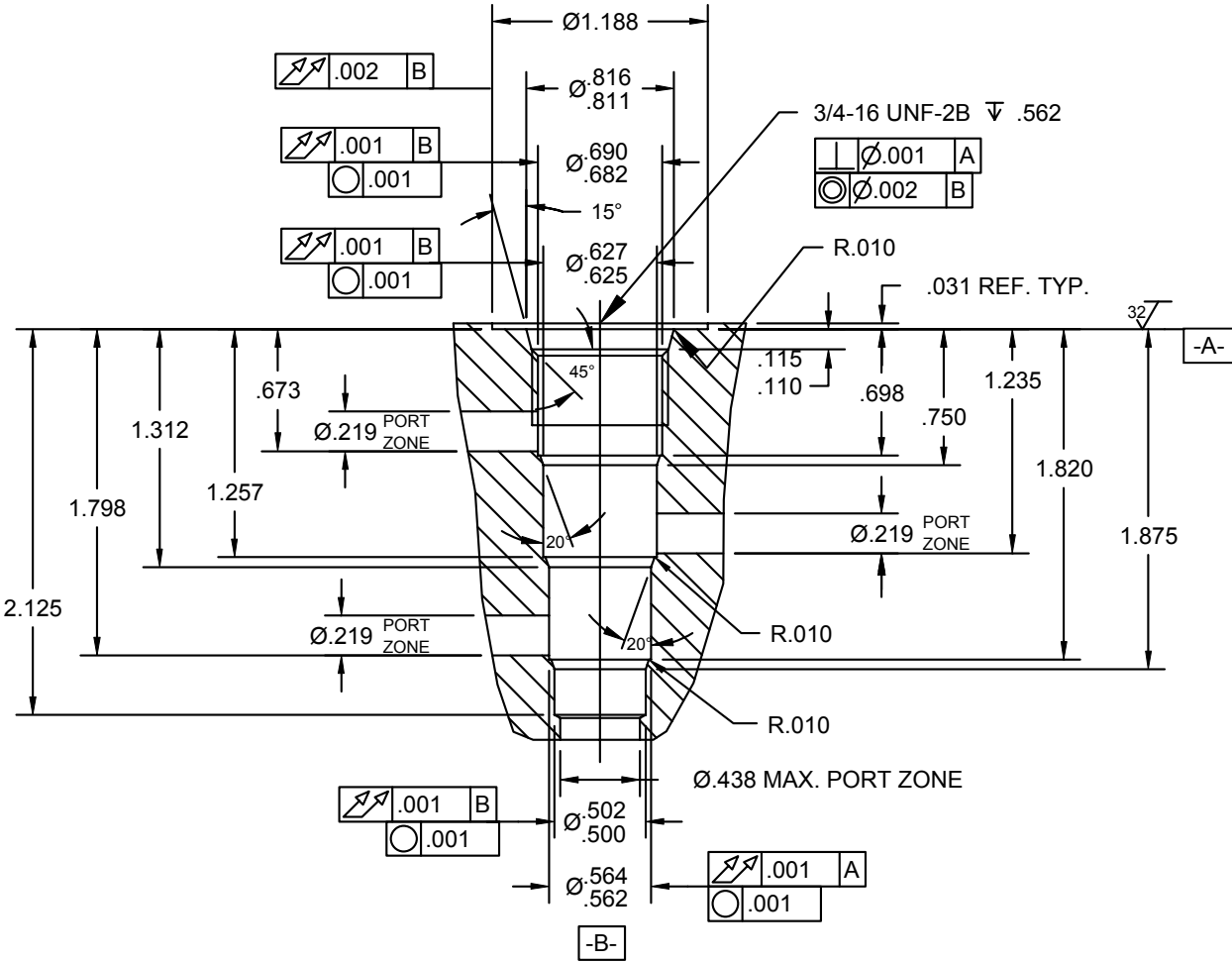


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POWER 4 WAY 8 SIZE, 3/4-16 THREAD "POWER" SERIES



NOTES:

1. CAVITY CAN BE MACHINED WITH DELTA FORM TOOL #40500029.
2. ALL MACHINED SURFACES TO BE $32\sqrt{}$ FINISH OR BETTER, EXCLUDING THREADS.
3. IT IS VERY IMPORTANT THAT VALVE CAVITIES MEET ALL DIMENSIONAL AND QUALITY STANDARDS OF CONCENTRICITY AND PERPENDICULARITY. THREADS MUST BE PERPENDICULAR TO THE SPOTFACE SURFACE. SPOTFACE MUST CLEAN UP TO FULL DIAMETER. IMPROPERLY MACHINED CAVITIES CAN LEAD TO CARTRIDGE MALFUNCTION AND/OR FAILURE FROM DISTORTION.

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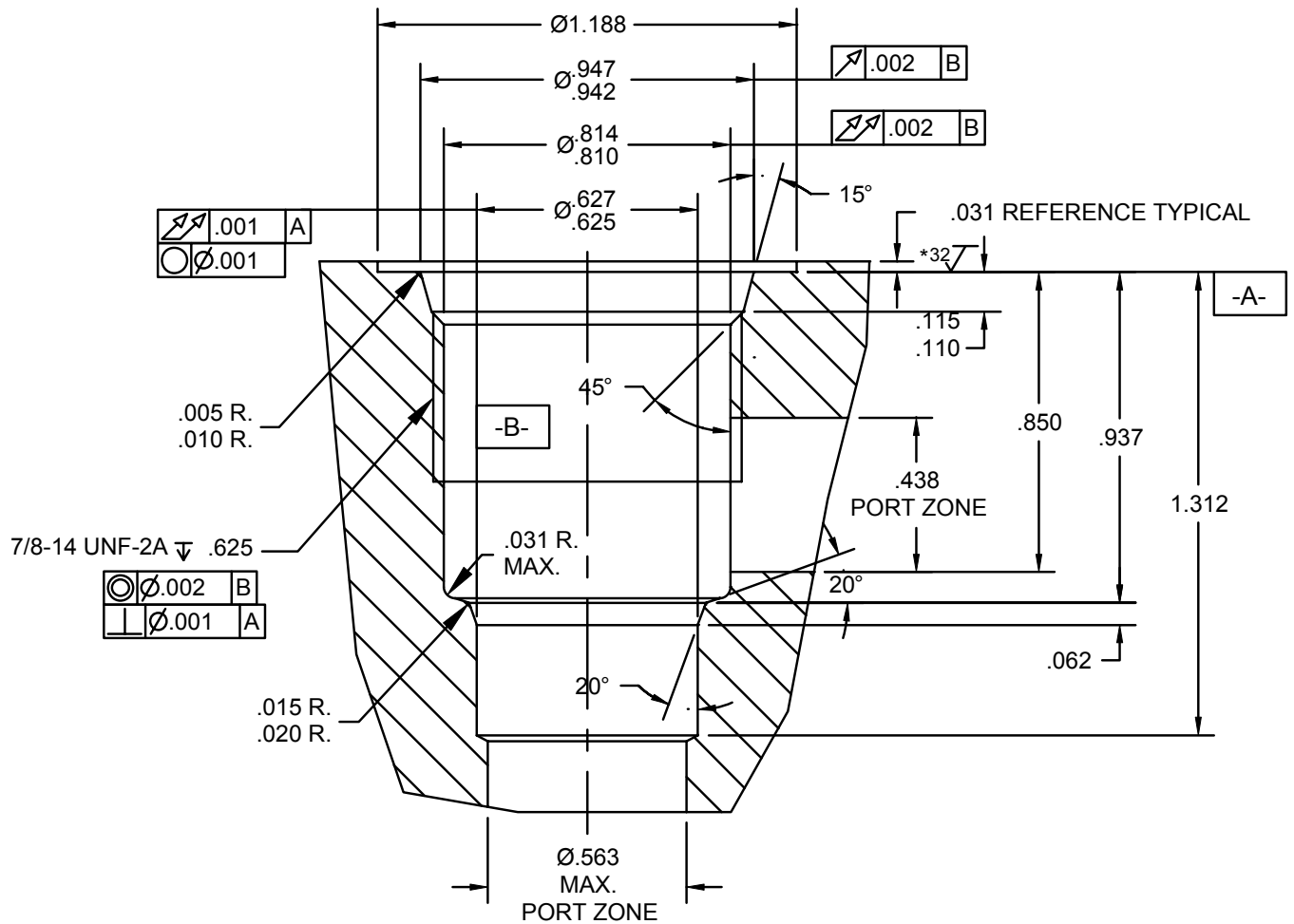
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DELTA 2 WAY 10 SIZE, 7/8-14 THREAD "DELTA" SERIES



NOTES:

1. CAVITY CAN BE MACHINED WITH DELTA FORM TOOL #40500000.
2. ALL MACHINED SURFACES TO BE $32\sqrt{}$ FINISH OR BETTER, EXCLUDING THREADS.
3. IT IS VERY IMPORTANT THAT VALVE CAVITIES MEET ALL DIMENSIONAL AND QUALITY STANDARDS OF CONCENTRICITY AND PERPENDICULARITY. THREADS MUST BE PERPENDICULAR TO THE SPOTFACE SURFACE. SPOTFACE MUST CLEAN UP TO FULL DIAMETER. IMPROPERLY MACHINED CAVITIES CAN LEAD TO CARTRIDGE MALFUNCTION AND/OR FAILURE FROM DISTORTION.

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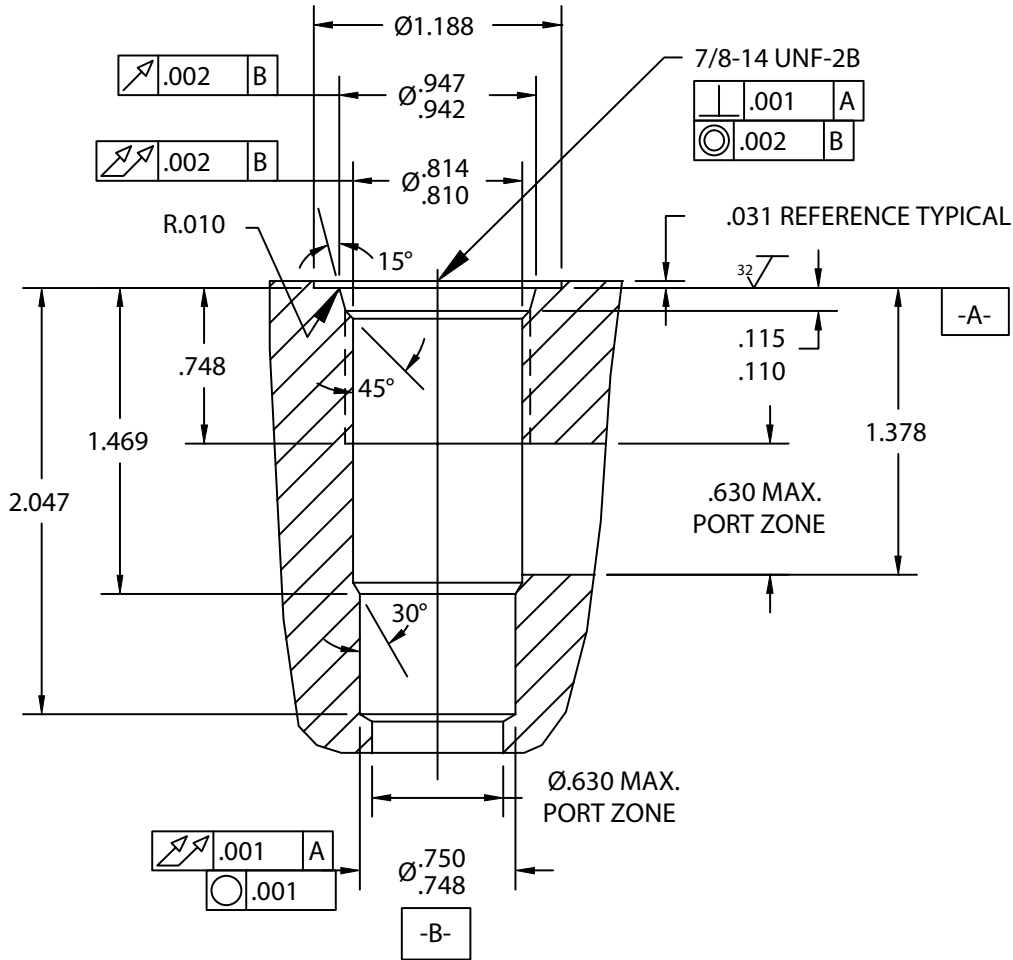


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DELTA 2 WAY SPECIAL 10 SIZE, 7/8-14 THREAD SPECIAL "DELTA" SERIES



NOTES:

1. CAVITY CAN BE MACHINED WITH DELTA FORM TOOL #40500028.
2. ALL MACHINED SURFACES TO BE $\sqrt{32}$ FINISH OR BETTER, EXCLUDING THREADS.
3. IT IS VERY IMPORTANT THAT VALVE CAVITIES MEET ALL DIMENSIONAL AND QUALITY STANDARDS OF CONCENTRICITY AND PERPENDICULARITY. THREADS MUST BE PERPENDICULAR TO THE SPOTFACE SURFACE. SPOTFACE MUST CLEAN UP TO FULL DIAMETER. IMPROPERLY MACHINED CAVITIES CAN LEAD TO CARTRIDGE MALFUNCTION AND/OR FAILURE FROM DISTORTION.

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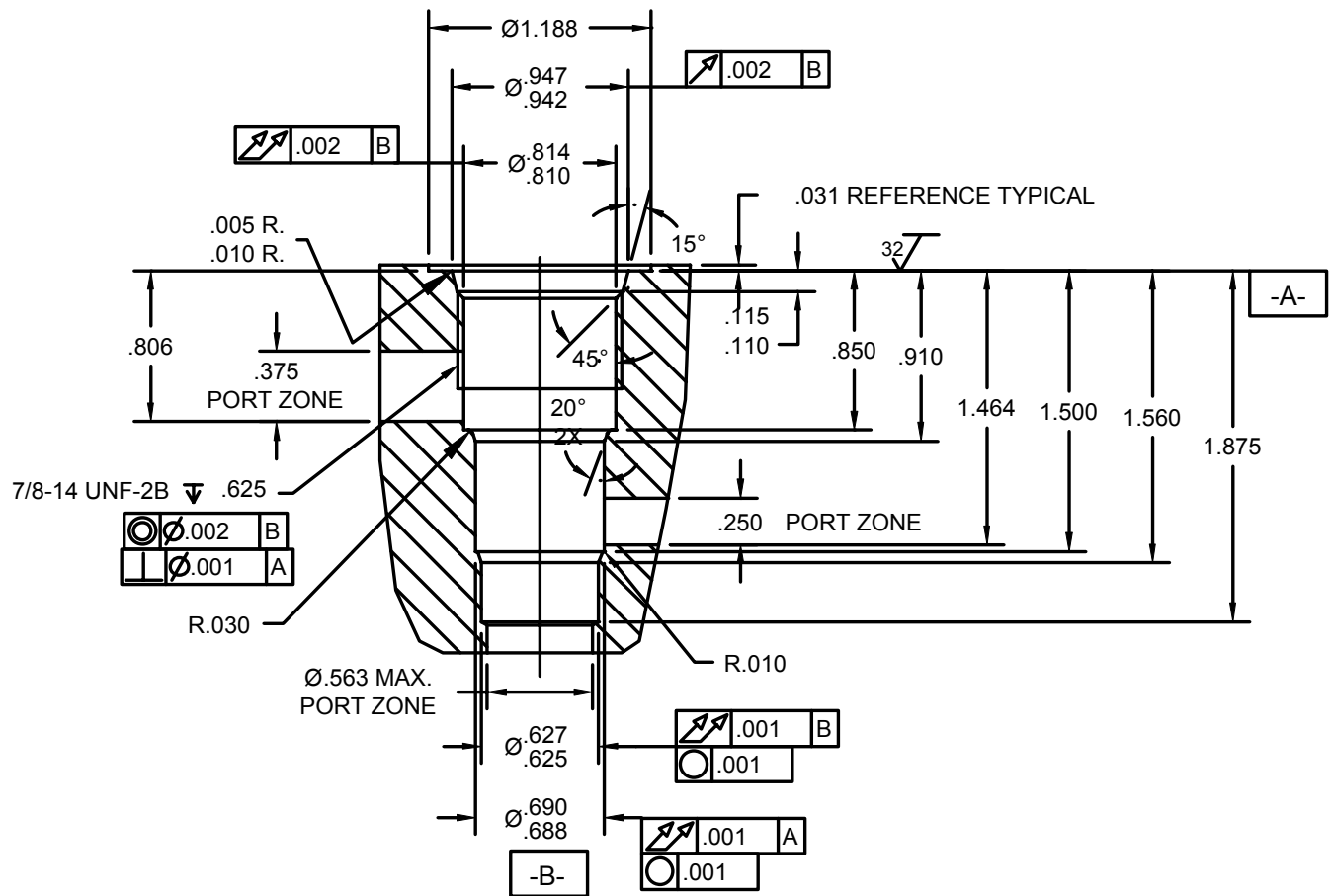
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DELTA 3 WAY 10 SIZE, 7/8-14 THREAD "DELTA" SERIES



NOTES:

1. CAVITY CAN BE MACHINED WITH DELTA FORM TOOL #40500001.
2. ALL MACHINED SURFACES TO BE 32/ FINISH OR BETTER, EXCLUDING THREADS.
3. IT IS VERY IMPORTANT THAT VALVE CAVITIES MEET ALL DIMENSIONAL AND QUALITY STANDARDS OF CONCENTRICITY AND PERPENDICULARITY. THREADS MUST BE PERPENDICULAR TO THE SPOTFACE SURFACE. SPOTFACE MUST CLEAN UP TO FULL DIAMETER. IMPROPERLY MACHINED CAVITIES CAN LEAD TO CARTRIDGE MALFUNCTION AND/OR FAILURE FROM DISTORTION.

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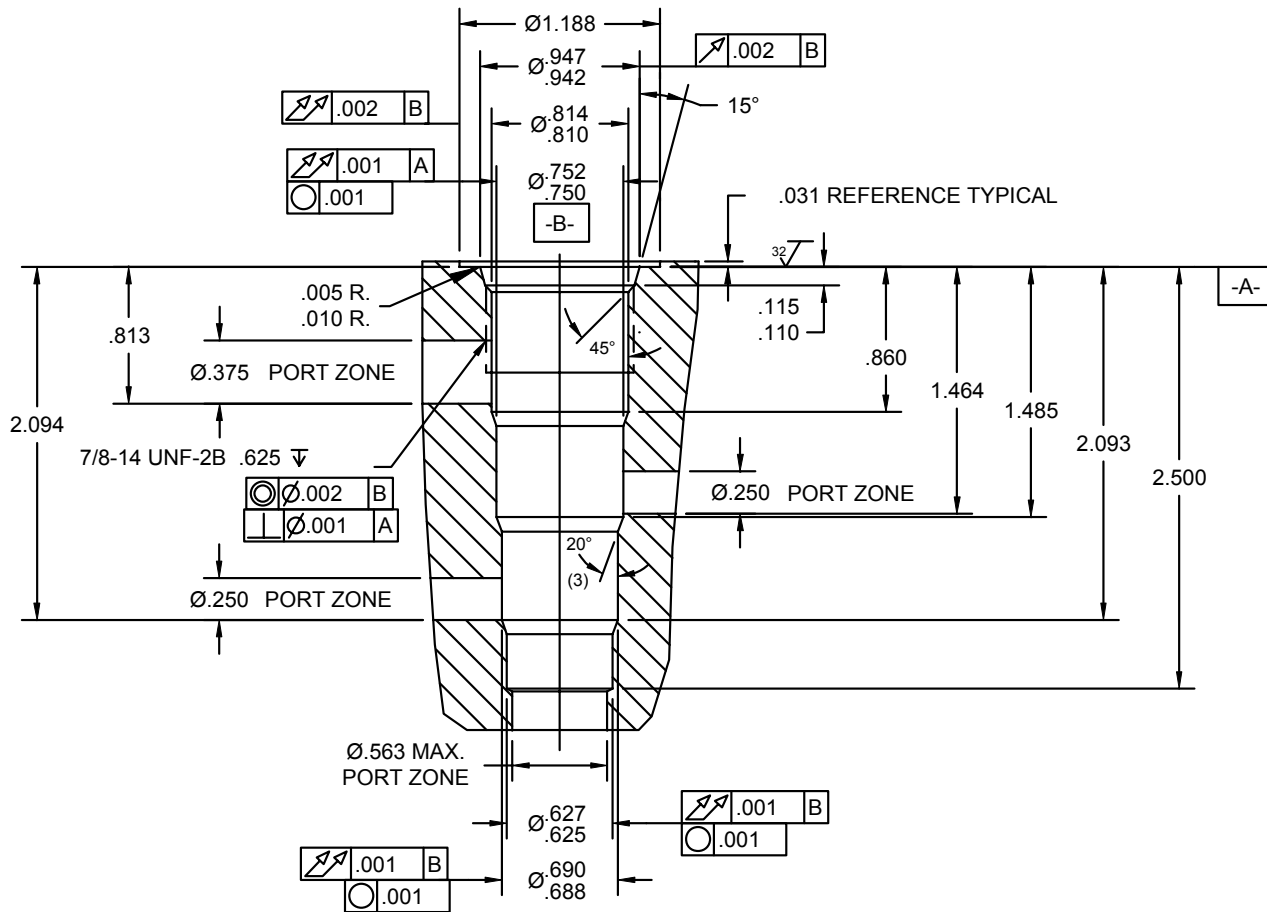


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DELTA 4 WAY 10 SIZE, 7/8-14 THREAD "DELTA" SERIES



NOTES:

1. CAVITY CAN BE MACHINED WITH DELTA FORM TOOL #40500002.
2. ALL MACHINED SURFACES TO BE $32\sqrt{\text{ }}$ FINISH OR BETTER, EXCLUDING THREADS.
3. IT IS VERY IMPORTANT THAT VALVE CAVITIES MEET ALL DIMENSIONAL AND QUALITY STANDARDS OF CONCENTRICITY AND PERPENDICULARITY. THREADS MUST BE PERPENDICULAR TO THE SPOTFACE SURFACE. SPOTFACE MUST CLEAN UP TO FULL DIAMETER. IMPROPERLY MACHINED CAVITIES CAN LEAD TO CARTRIDGE MALFUNCTION AND/OR FAILURE FROM DISTORTION.

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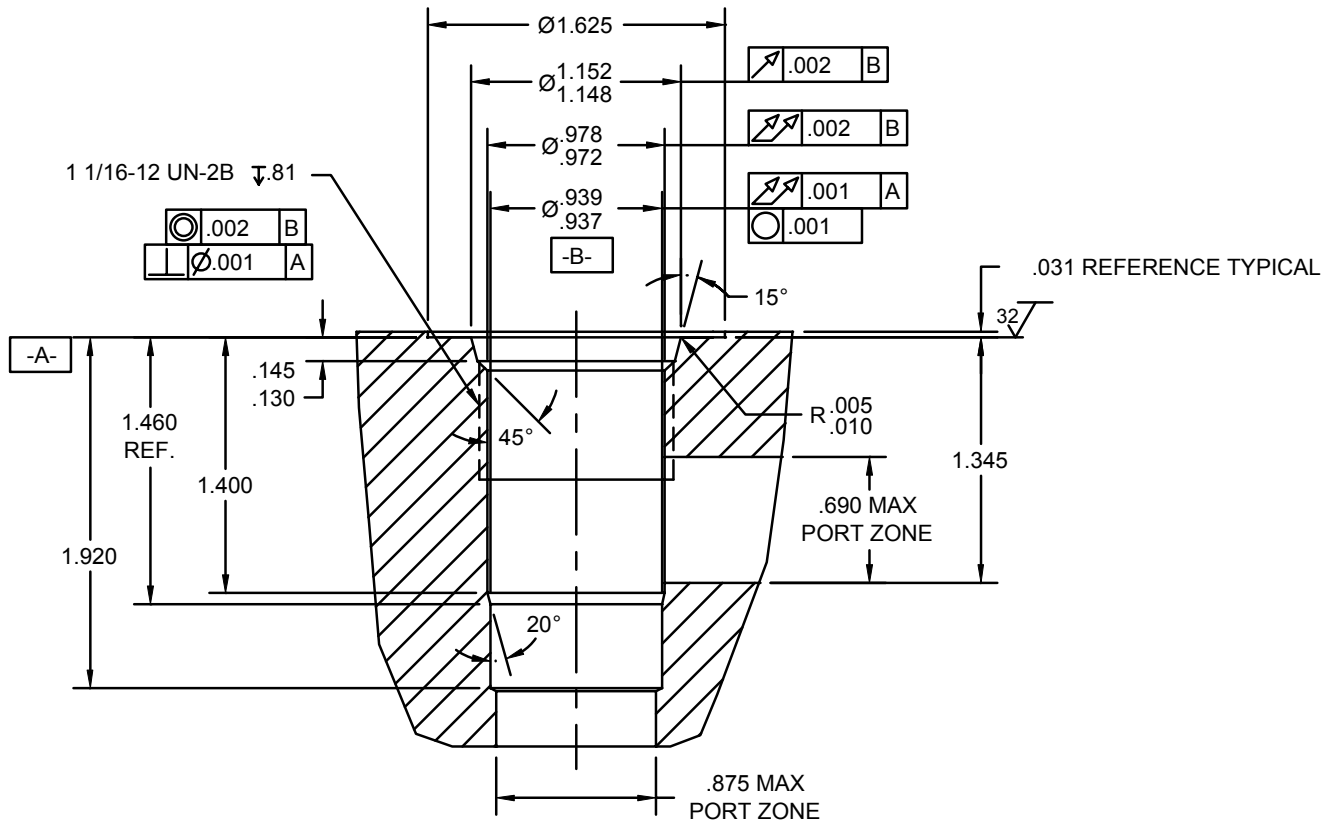
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TECNORD 2 WAY 12 SIZE, 1 1/16-12 THREAD "TECNORD" SERIES



NOTES:

1. CAVITY CAN BE MACHINED WITH DELTA FORM TOOL #40500032.
2. ALL MACHINED SURFACES TO BE $\sqrt{32}$ FINISH OR BETTER, EXCLUDING THREADS.
3. IT IS VERY IMPORTANT THAT VALVE CAVITIES MEET ALL DIMENSIONAL AND QUALITY STANDARDS OF CONCENTRICITY AND PERPENDICULARITY. THREADS MUST BE PERPENDICULAR TO THE SPOTFACE SURFACE. SPOTFACE MUST CLEAN UP TO FULL DIAMETER. IMPROPERLY MACHINED CAVITIES CAN LEAD TO CARTRIDGE MALFUNCTION AND/OR FAILURE FROM DISTORTION.

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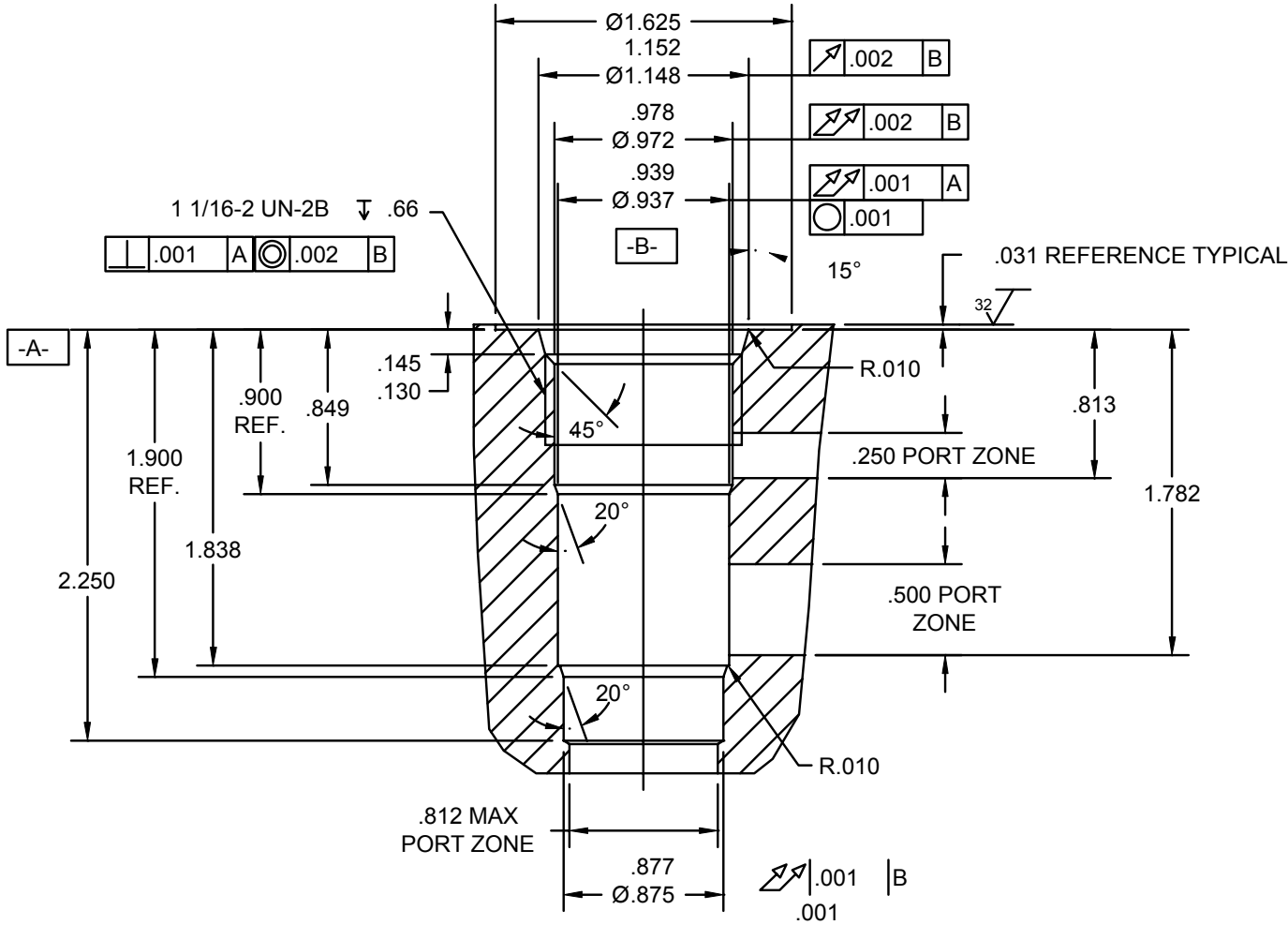


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TECNORD 3 WAY SHORT 12 SIZE, 1 1/16-12 THREAD "TECNORD" SERIES



NOTES:

1. CAVITY CAN BE MACHINED WITH DELTA FORM TOOL #40500033.
2. ALL MACHINED SURFACES TO BE $32\sqrt{\text{Ra}}$ FINISH OR BETTER, EXCLUDING THREADS.
3. IT IS VERY IMPORTANT THAT VALVE CAVITIES MEET ALL DIMENSIONAL AND QUALITY STANDARDS OF CONCENTRICITY AND PERPENDICULARITY. THREADS MUST BE PERPENDICULAR TO THE SPOTFACE SURFACE. SPOTFACE MUST CLEAN UP TO FULL DIAMETER. IMPROPERLY MACHINED CAVITIES CAN LEAD TO CARTRIDGE MALFUNCTION AND/OR FAILURE FROM DISTORTION.

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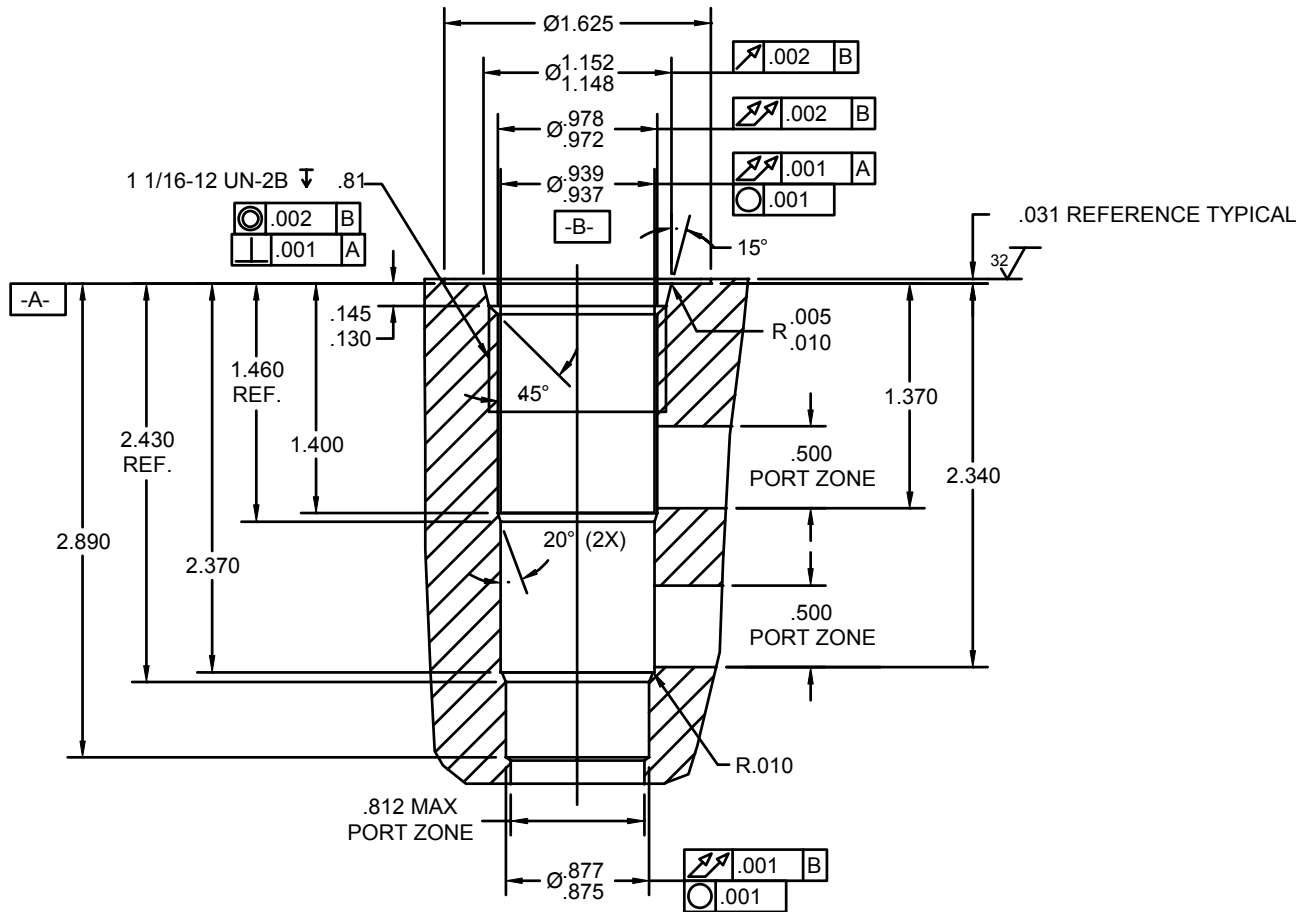
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TECNORD 3 WAY 12 SIZE, 1 1/16-12 THREAD "TECNORD" SERIES



NOTES:

1. CAVITY CAN BE MACHINED WITH DELTA FORM TOOL #40500034.
2. ALL MACHINED SURFACES TO BE $\sqrt{}$ FINISH OR BETTER, EXCLUDING THREADS.
3. IT IS VERY IMPORTANT THAT VALVE CAVITIES MEET ALL DIMENSIONAL AND QUALITY STANDARDS OF CONCENTRICITY AND PERPENDICULARITY. THREADS MUST BE PERPENDICULAR TO THE SPOTFACE SURFACE. SPOTFACE MUST CLEAN UP TO FULL DIAMETER. IMPROPERLY MACHINED CAVITIES CAN LEAD TO CARTRIDGE MALFUNCTION AND/OR FAILURE FROM DISTORTION.

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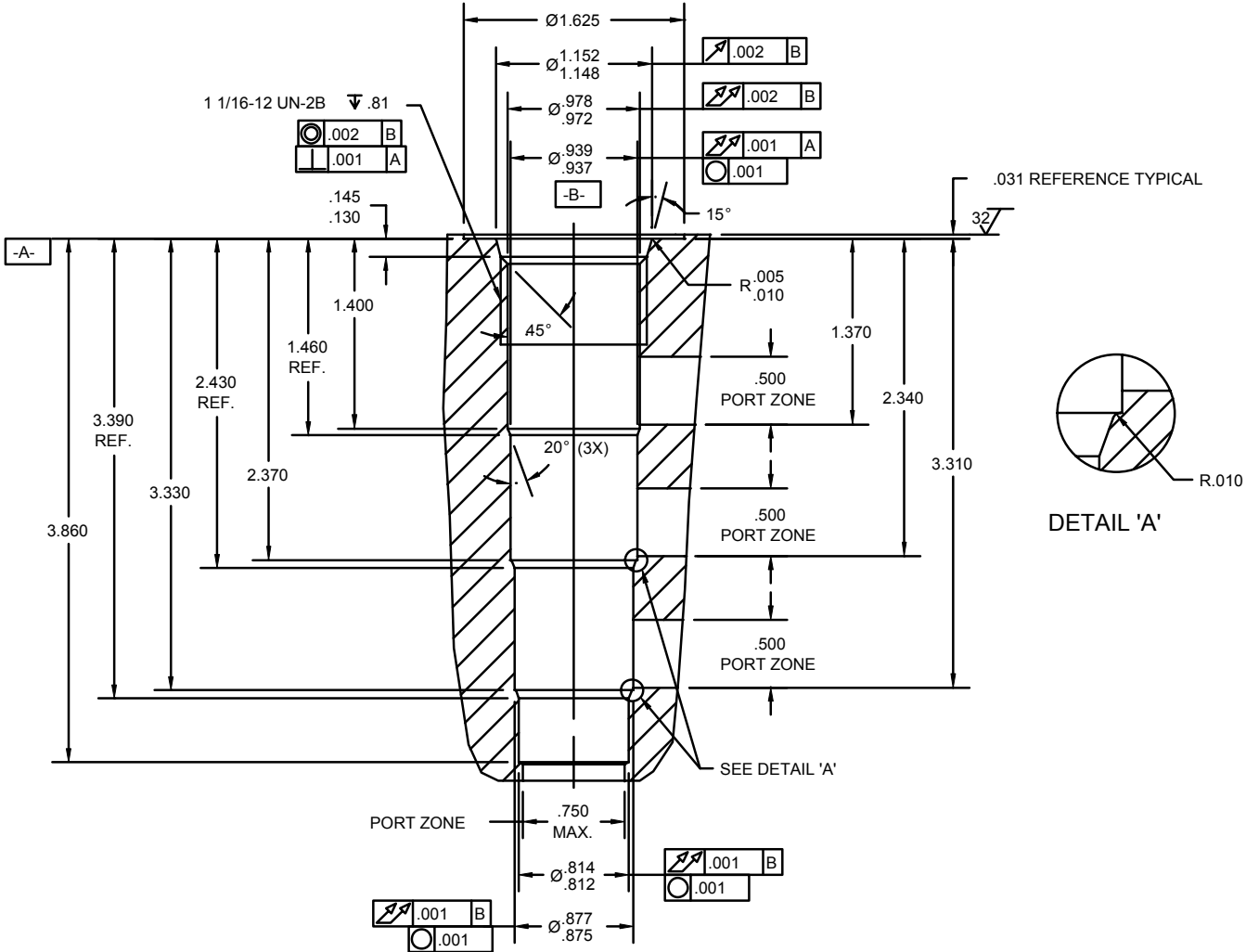


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TECNORD 4 WAY 12 SIZE, 1 1/16-12 THREAD "TECNORD" SERIES



NOTES:

- 1. CAVITY CAN BE MACHINED WITH DELTA FORM TOOL #40500035.
- 2. ALL MACHINED SURFACES TO BE $\sqrt[32]{}$ FINISH OR BETTER, EXCLUDING THREADS.
- 3. IT IS VERY IMPORTANT THAT VALVE CAVITIES MEET ALL DIMENSIONAL AND QUALITY STANDARDS OF CONCENTRICITY AND PERPENDICULARITY. THREADS MUST BE PERPENDICULAR TO THE SPOTFACE SURFACE. SPOTFACE MUST CLEAN UP TO FULL DIAMETER. IMPROPERLY MACHINED CAVITIES CAN LEAD TO CARTRIDGE MALFUNCTION AND/OR FAILURE FROM DISTORTION.

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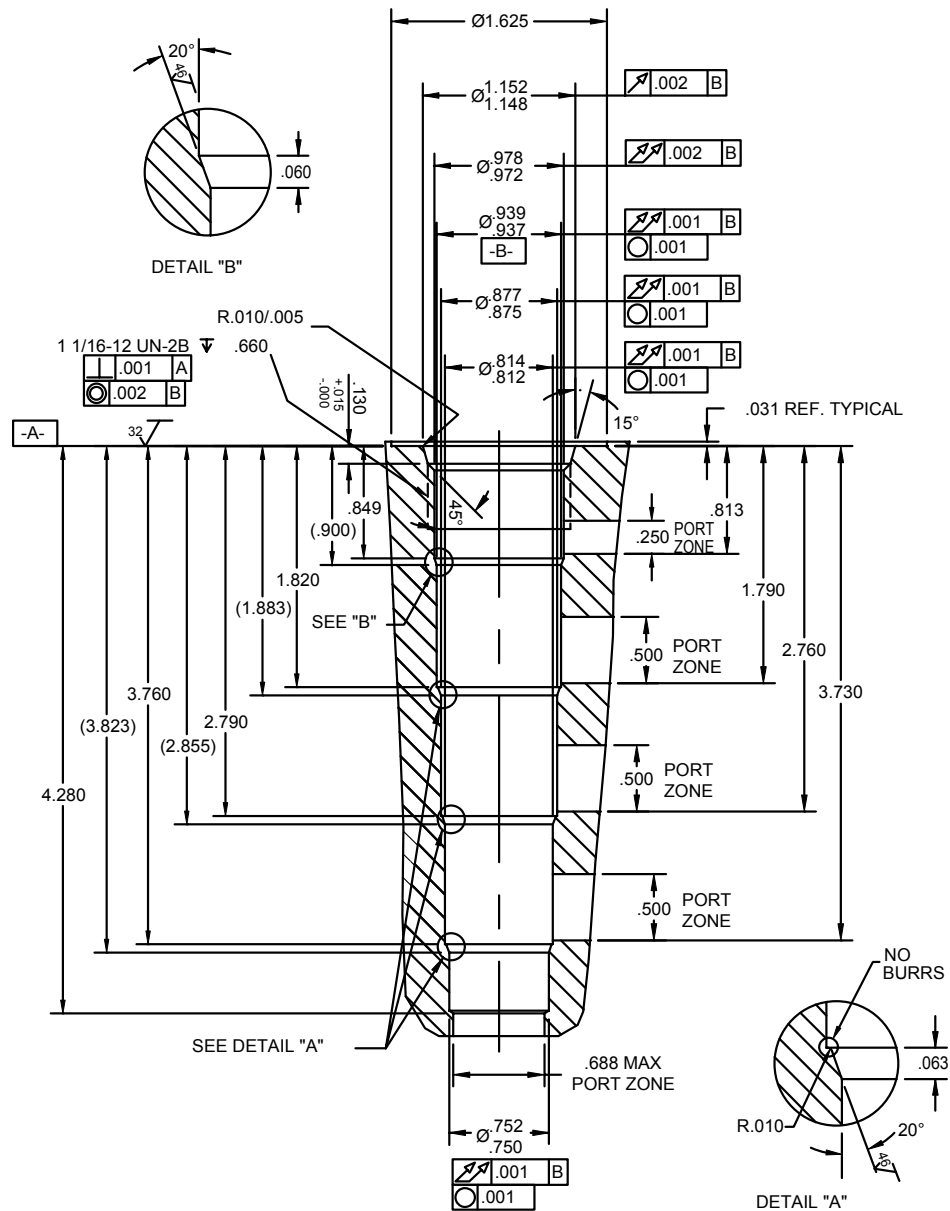
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TECNORD 5 WAY SHORT 12 SIZE, 1 1/16-12 THREAD "TECNORD" SERIES



NOTES:

1. CAVITY CAN BE MACHINED WITH DELTA FORM TOOL #40500037.
2. ALL MACHINED SURFACES TO BE $32_{\sqrt{}}$ FINISH OR BETTER, EXCLUDING THREADS.
3. IT IS VERY IMPORTANT THAT VALVE CAVITIES MEET ALL DIMENSIONAL AND QUALITY STANDARDS OF CONCENTRICITY AND PERPENDICULARITY. THREADS MUST BE PERPENDICULAR TO THE SPOTFACE SURFACE. SPOTFACE MUST CLEAN UP TO FULL DIAMETER. IMPROPERLY MACHINED CAVITIES CAN LEAD TO CARTRIDGE MALFUNCTION AND/OR FAILURE FROM DISTORTION.

W/11/2017

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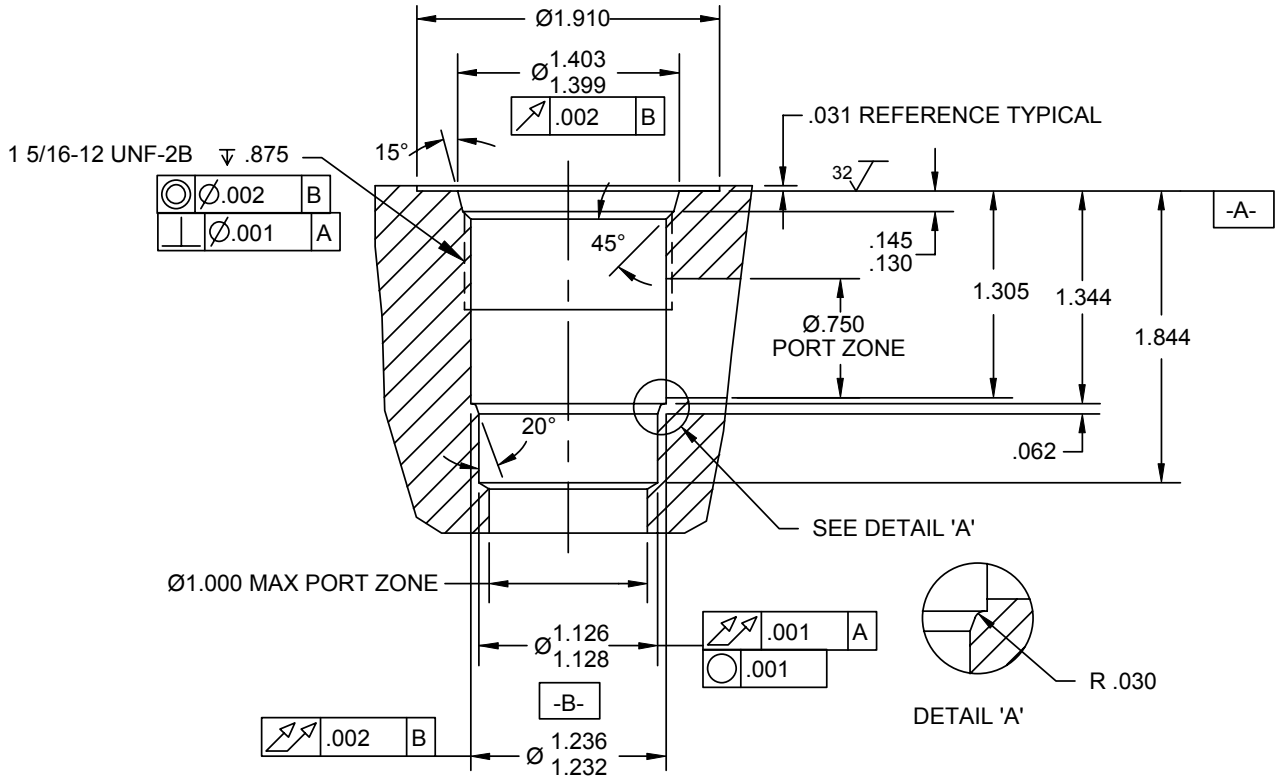


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SUPER 2 WAY 16 SIZE, 1 5/16-12 THREAD "SUPER" SERIES



NOTES:

1. CAVITY CAN BE MACHINED WITH DELTA FORM TOOL #40500017.
2. ALL MACHINED SURFACES TO BE $32 \sqrt{\quad}$ FINISH OR BETTER, EXCLUDING THREADS.
3. IT IS VERY IMPORTANT THAT VALVE CAVITIES MEET ALL DIMENSIONAL AND QUALITY STANDARDS OF CONCENTRICITY AND PERPENDICULARITY. THREADS MUST BE PERPENDICULAR TO THE SPOTFACE SURFACE. SPOTFACE MUST CLEAN UP TO FULL DIAMETER. IMPROPERLY MACHINED CAVITIES CAN LEAD TO CARTRIDGE MALFUNCTION AND/OR FAILURE FROM DISTORTION.

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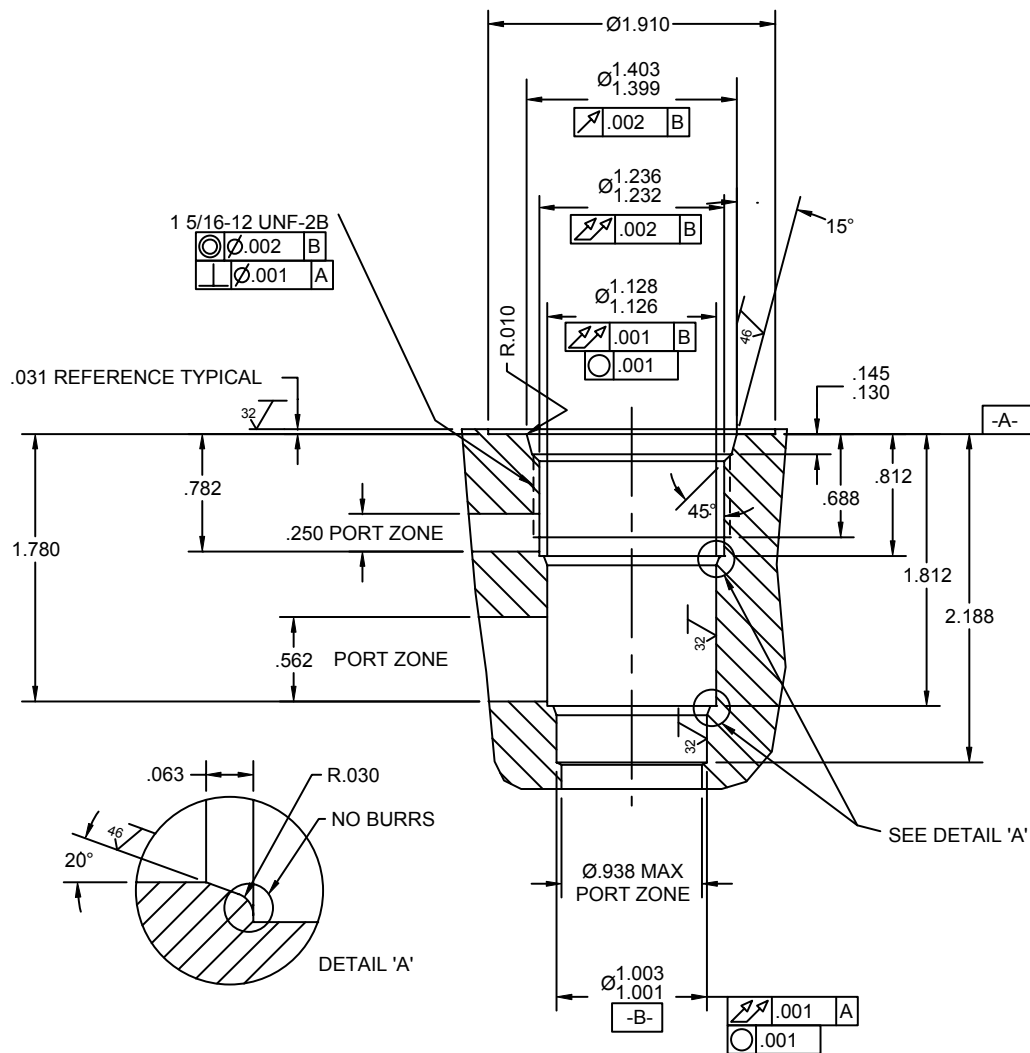
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W 11 / 2017

SUPER 3 WAY SHORT 16 SIZE, 1 5/16-12 THREAD "SUPER" SERIES



NOTES:

1. CAVITY CAN BE MACHINED WITH DELTA FORM TOOL #40500021.
2. ALL MACHINED SURFACES TO BE 32/ FINISH OR BETTER, EXCLUDING THREADS.
3. IT IS VERY IMPORTANT THAT VALVE CAVITIES MEET ALL DIMENSIONAL AND QUALITY STANDARDS OF CONCENTRICITY AND PERPENDICULARITY. THREADS MUST BE PERPENDICULAR TO THE SPOTFACE SURFACE. SPOTFACE MUST CLEAN UP TO FULL DIAMETER. IMPROPERLY MACHINED CAVITIES CAN LEAD TO CARTRIDGE MALFUNCTION AND/OR FAILURE FROM DISTORTION.

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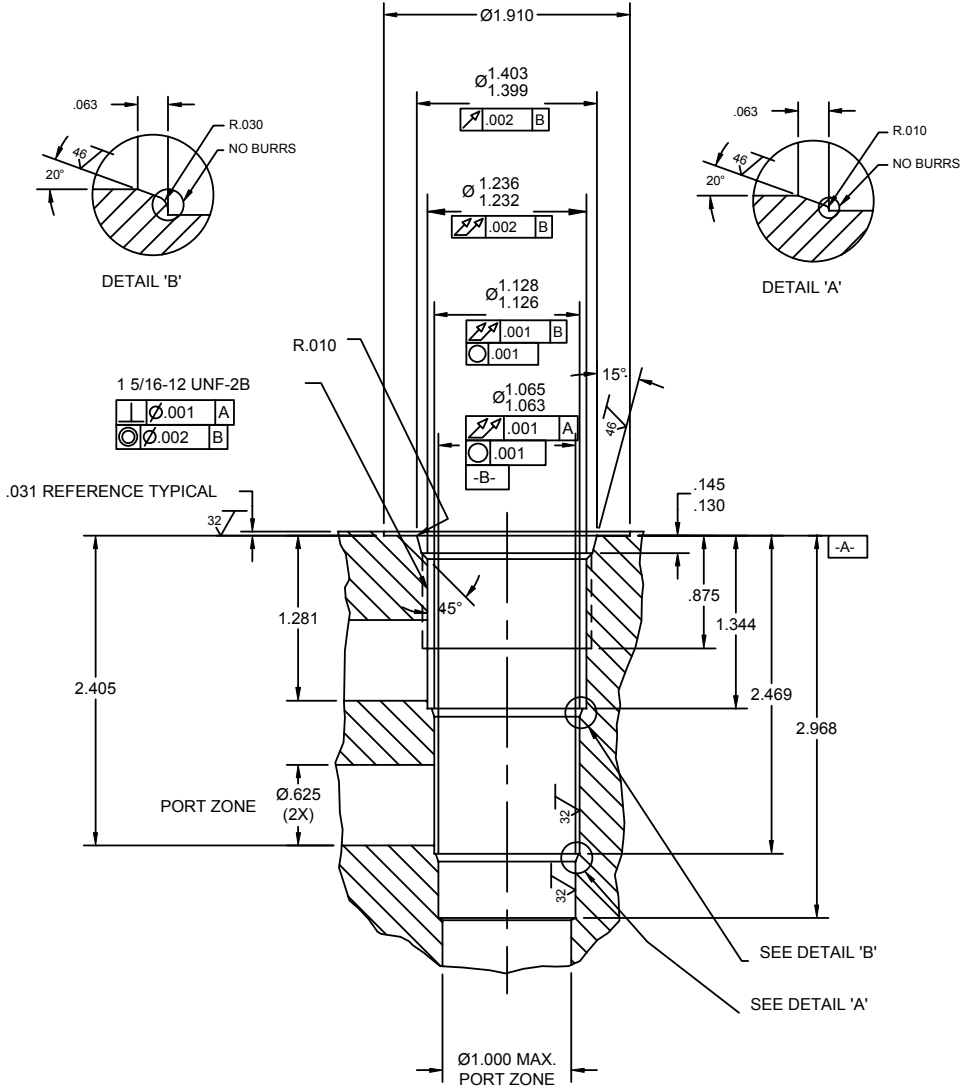


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SUPER 3 WAY 16 SIZE, 1 5/16-12 THREAD "SUPER" SERIES



NOTES:

1. CAVITY CAN BE MACHINED WITH DELTA FORM TOOL #40500018.
2. ALL MACHINED SURFACES TO BE 32√ FINISH OR BETTER, EXCLUDING THREADS.
3. IT IS VERY IMPORTANT THAT VALVE CAVITIES MEET ALL DIMENSIONAL AND QUALITY STANDARDS OF CONCENTRICITY AND PERPENDICULARITY. THREADS MUST BE PERPENDICULAR TO THE SPOTFACE SURFACE. SPOTFACE MUST CLEAN UP TO FULL DIAMETER. IMPROPERLY MACHINED CAVITIES CAN LEAD TO CARTRIDGE MALFUNCTION AND/OR FAILURE FROM DISTORTION.

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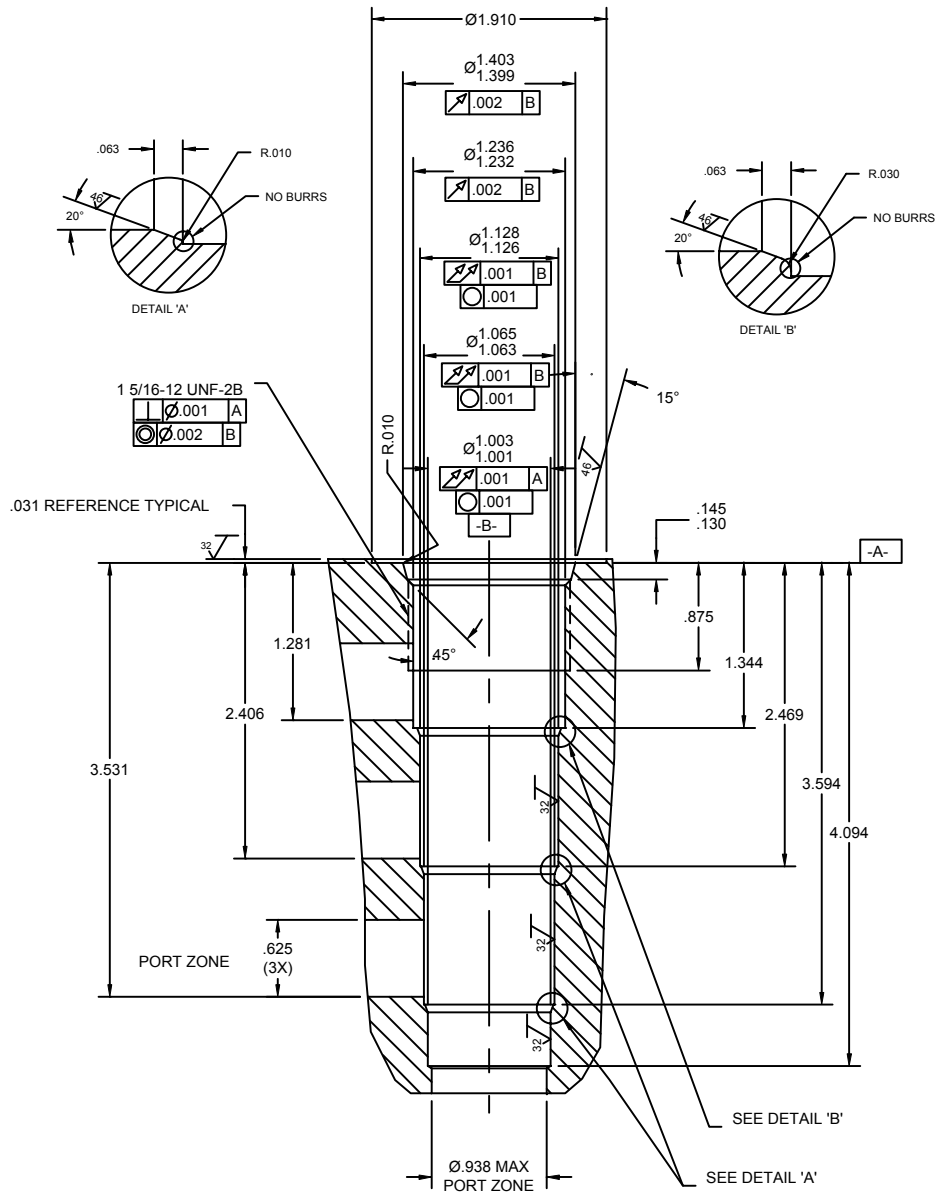
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SUPER 4 WAY 16 SIZE, 1 5/16-12 THREAD "SUPER" SERIES



NOTES:

1. CAVITY CAN BE MACHINED WITH DELTA FORM TOOL #40500019.
2. ALL MACHINED SURFACES TO BE $32\sqrt{}$ FINISH OR BETTER, EXCLUDING THREADS.
3. IT IS VERY IMPORTANT THAT VALVE CAVITIES MEET ALL DIMENSIONAL AND QUALITY STANDARDS OF CONCENTRICITY AND PERPENDICULARITY. THREADS MUST BE PERPENDICULAR TO THE SPOTFACE SURFACE. SPOTFACE MUST CLEAN UP TO FULL DIAMETER. IMPROPERLY MACHINED CAVITIES CAN LEAD TO CARTRIDGE MALFUNCTION AND/OR FAILURE FROM DISTORTION.

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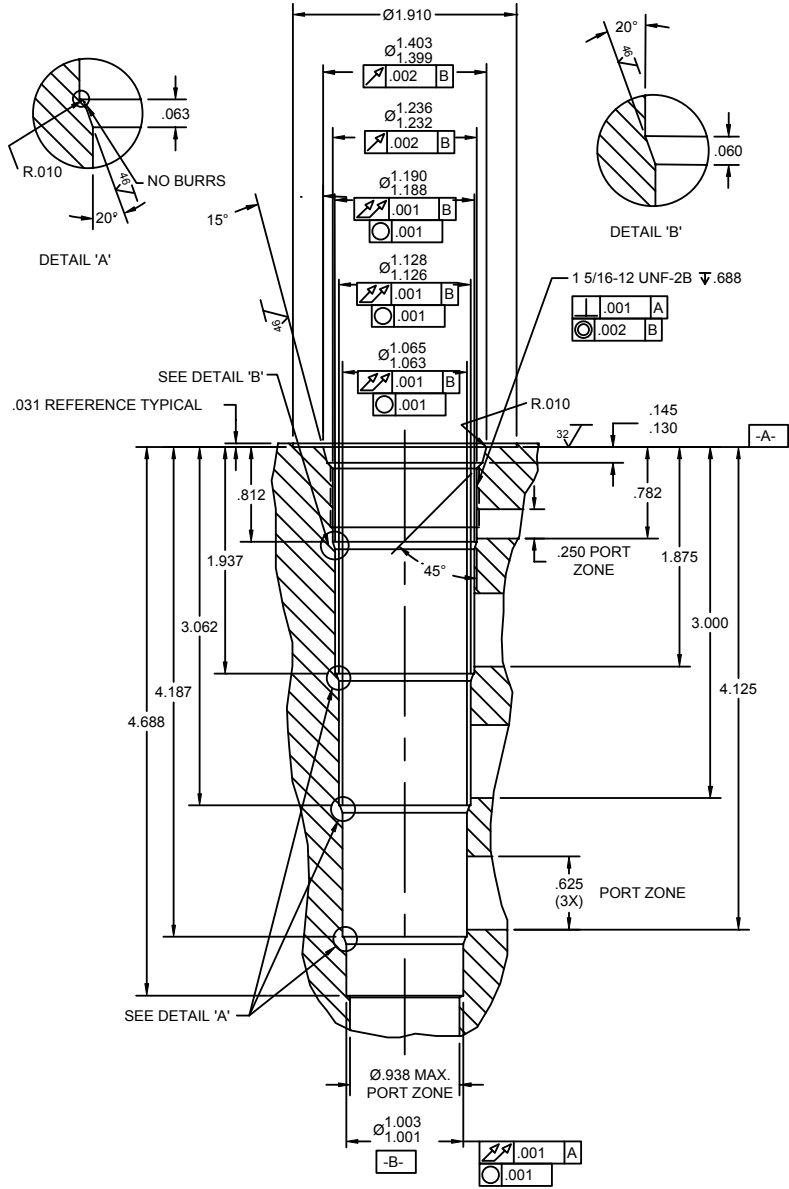


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SUPER 5 WAY SHORT 16 SIZE, 1 5/16-12 THREAD "SUPER" SERIES



NOTES:

- 1. CAVITY CAN BE MACHINED WITH DELTA FORM TOOL #40500020.
- 2. ALL MACHINED SURFACES TO BE $32\sqrt{\text{ }}$ FINISH OR BETTER, EXCLUDING THREADS.
- 3. IT IS VERY IMPORTANT THAT VALVE CAVITIES MEET ALL DIMENSIONAL AND QUALITY STANDARDS OF CONCENTRICITY AND PERPENDICULARITY. THREADS MUST BE PERPENDICULAR TO THE SPOTFACE SURFACE. SPOTFACE MUST CLEAN UP TO FULL DIAMETER. IMPROPERLY MACHINED CAVITIES CAN LEAD TO CARTRIDGE MALFUNCTION AND/OR FAILURE FROM DISTORTION.

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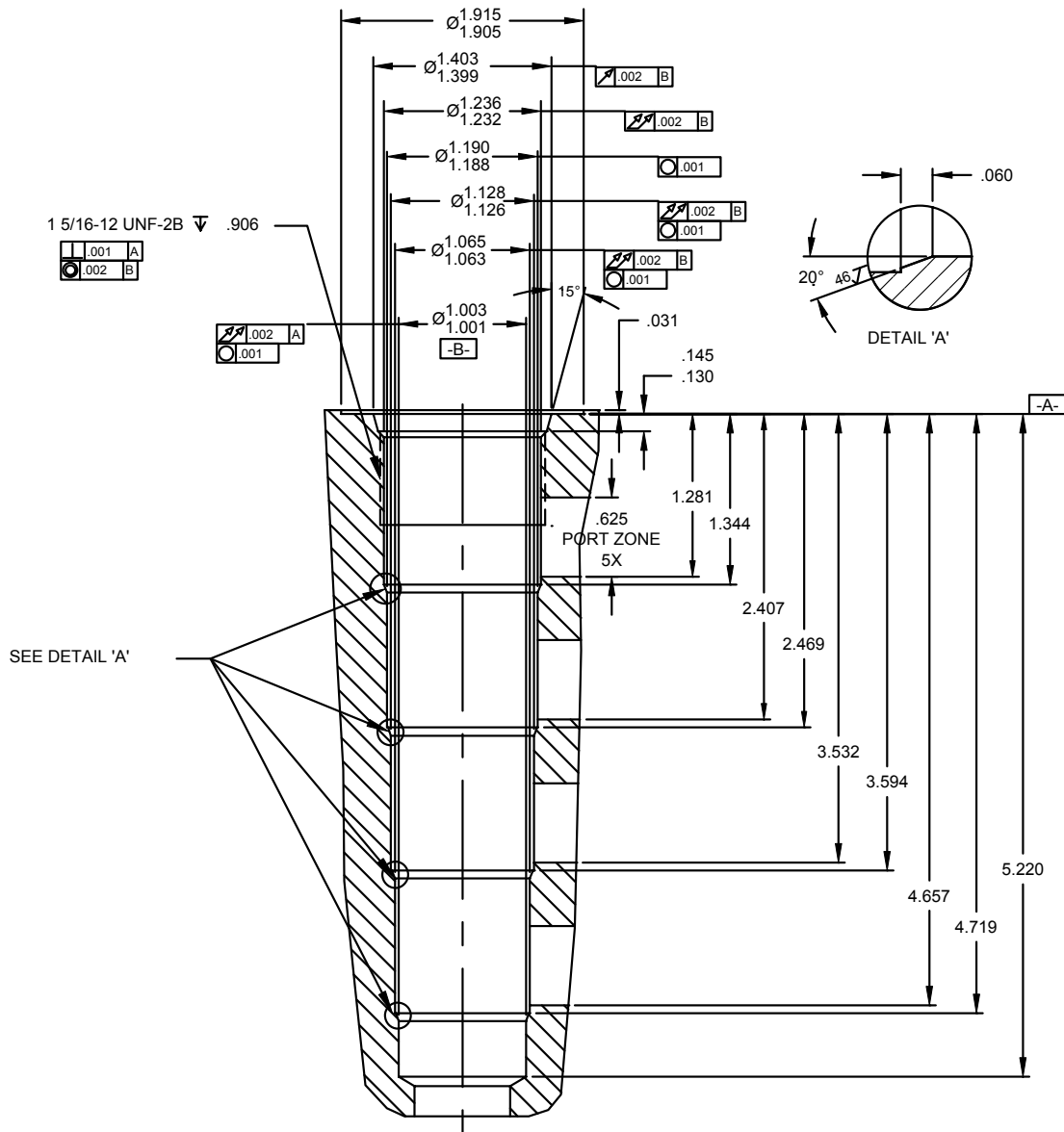


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SUPER 5 WAY 16 SIZE, 1 5/16-12 THREAD "SUPER" SERIES



NOTES:

1. CAVITY CAN BE MACHINED WITH DELTA FORM TOOL #40500038.
2. ALL MACHINED SURFACES TO BE $32\sqrt{}$ FINISH OR BETTER, EXCLUDING THREADS.
3. IT IS VERY IMPORTANT THAT VALVE CAVITIES MEET ALL DIMENSIONAL AND QUALITY STANDARDS OF CONCENTRICITY AND PERPENDICULARITY. THREADS MUST BE PERPENDICULAR TO THE SPOTFACE SURFACE. SPOTFACE MUST CLEAN UP TO FULL DIAMETER. IMPROPERLY MACHINED CAVITIES CAN LEAD TO CARTRIDGE MALFUNCTION AND/OR FAILURE FROM DISTORTION.

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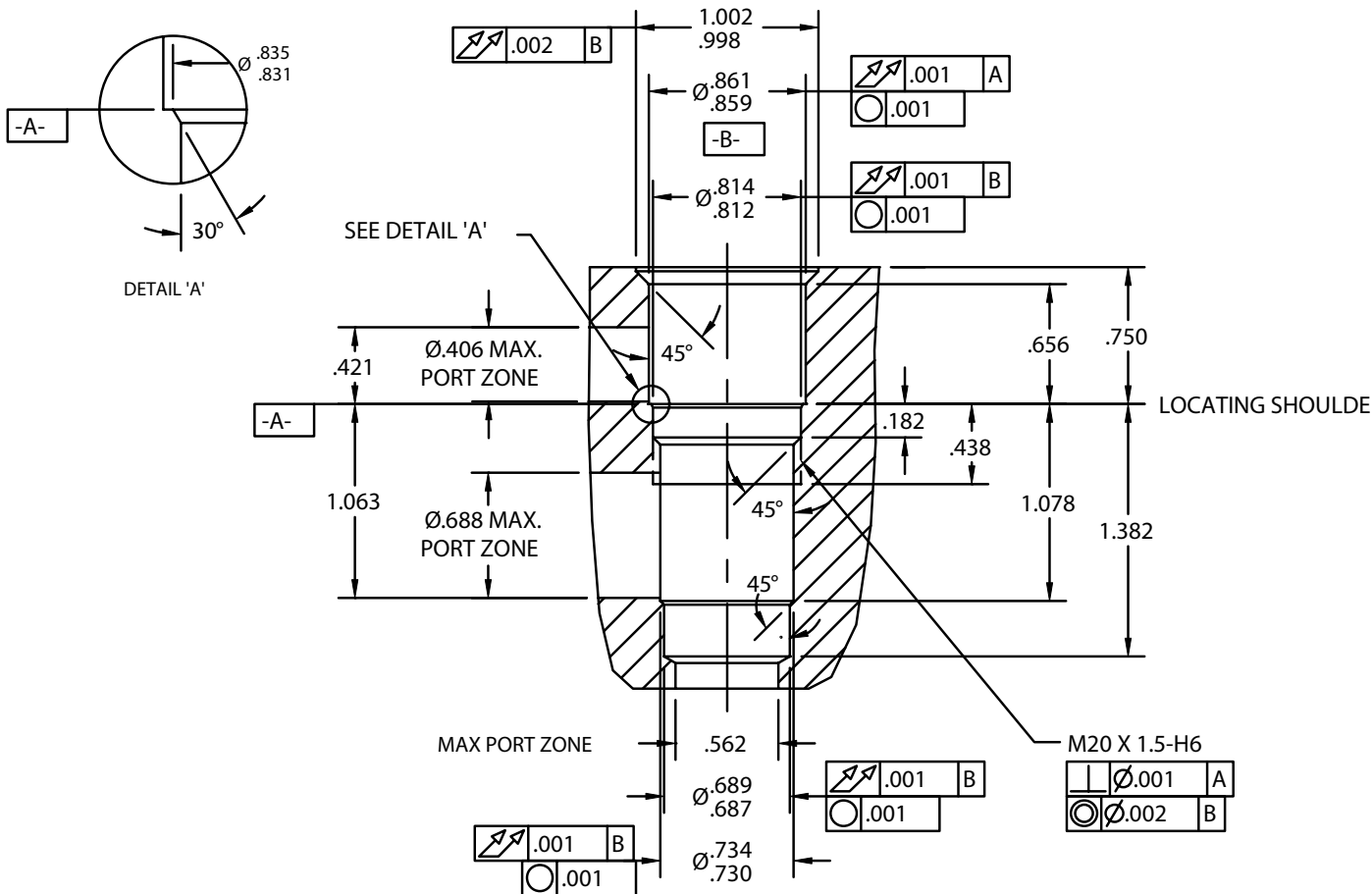


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QS SPECIAL 3 WAY METRIC M20-1.5-H6 THREAD "SPECIAL" SERIES



NOTES:

1. CAVITY CAN BE MACHINED WITH DELTA FORM TOOL #40500012.
2. ALL MACHINED SURFACES TO BE $\sqrt{32}$ FINISH OR BETTER, EXCLUDING THREADS.
3. IT IS VERY IMPORTANT THAT VALVE CAVITIES MEET ALL DIMENSIONAL AND QUALITY STANDARDS OF CONCENTRICITY AND PERPENDICULARITY. THREADS MUST BE PERPENDICULAR TO THE SPOTFACE SURFACE. SPOTFACE MUST CLEAN UP TO FULL DIAMETER. IMPROPERLY MACHINED CAVITIES CAN LEAD TO CARTRIDGE MALFUNCTION AND/OR FAILURE FROM DISTORTION.

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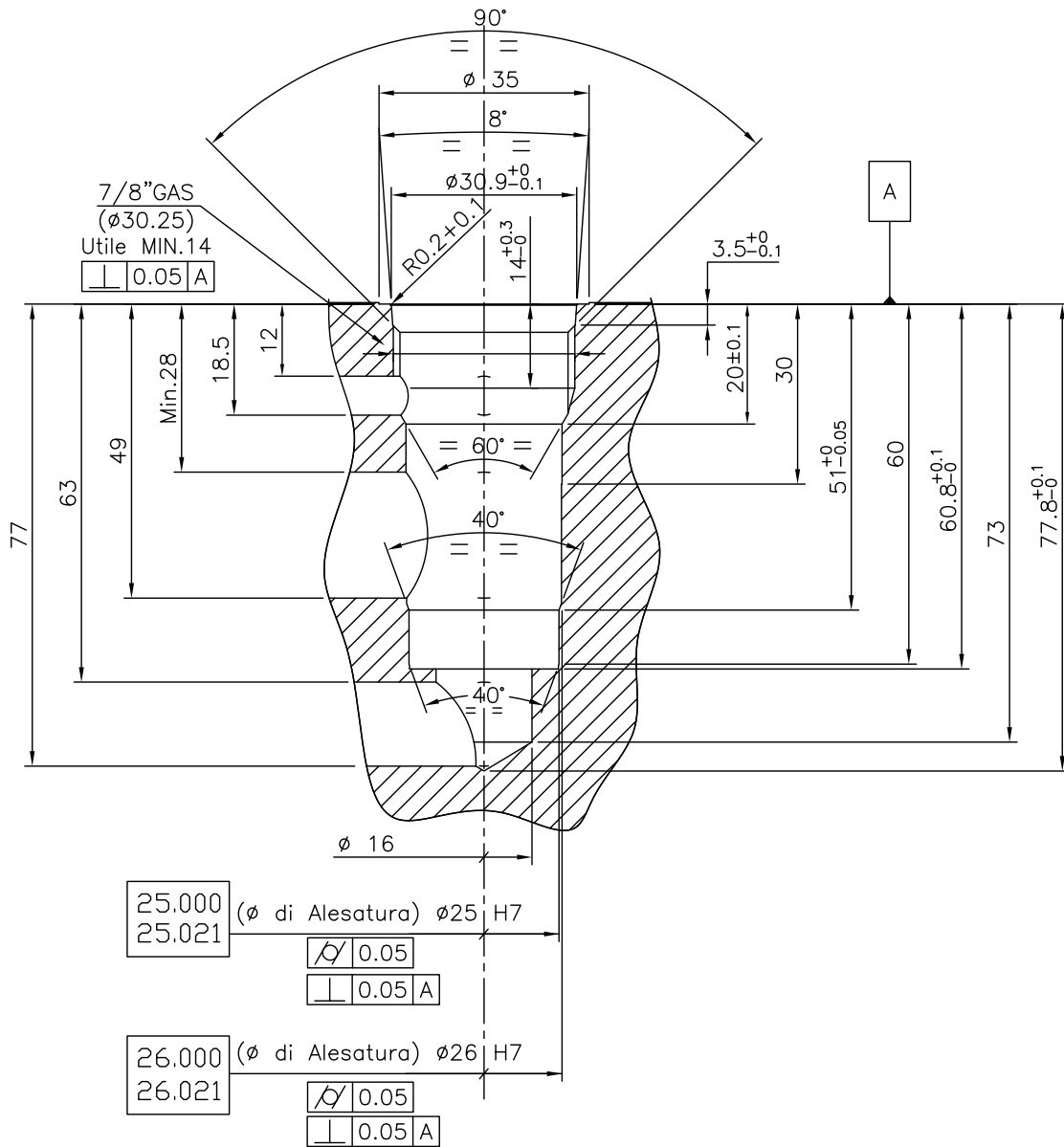
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W/11/2017

T031



W/11/2017

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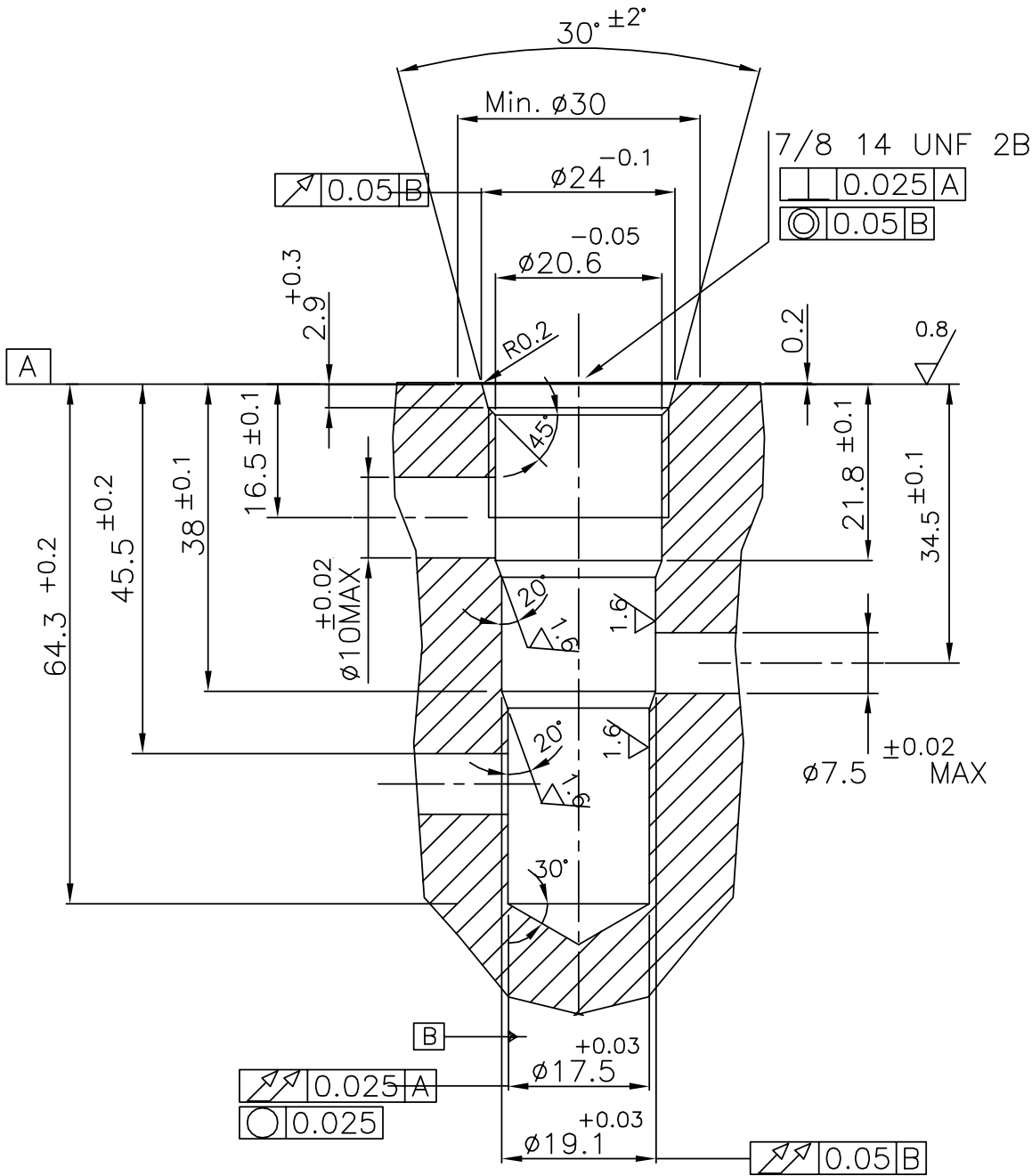


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T042 CAVITY FOR EG-TRZ-42 CARTRIDGE, 7/8" - 14 THREAD



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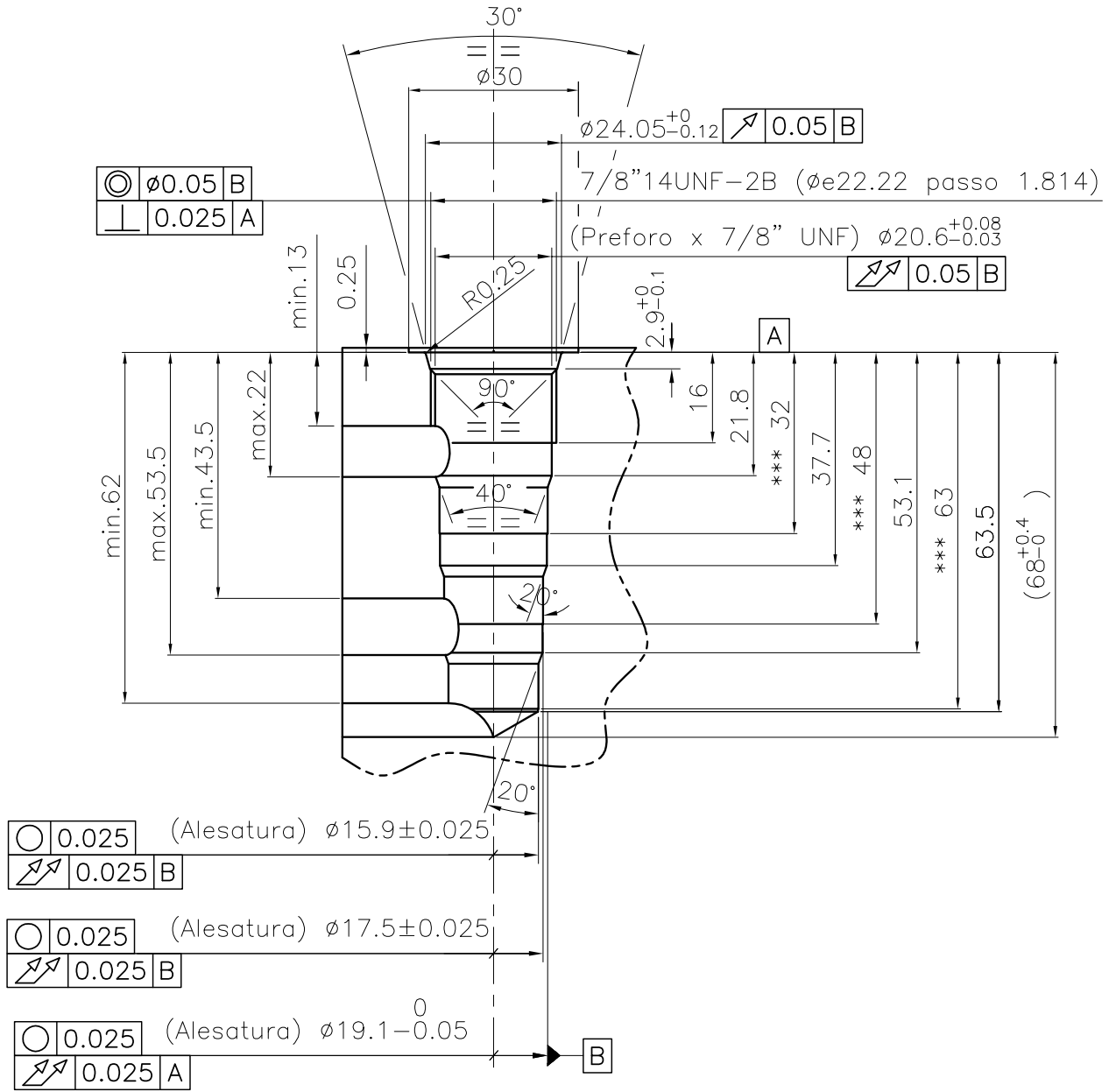
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W 11/1/2017

T308



W/11/2017

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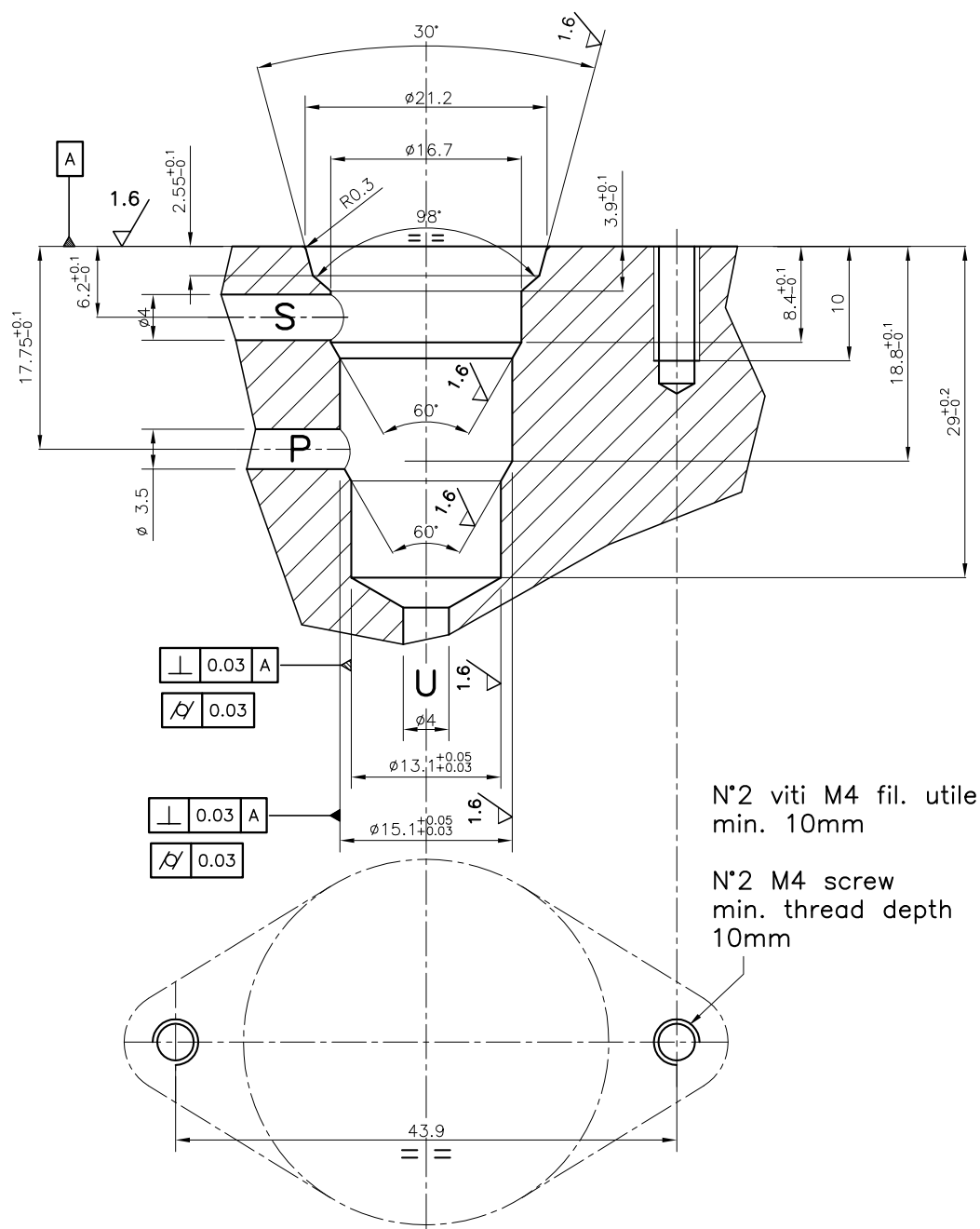


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T043 SLIP-IN CAVITY FOR IP-DAR-43 CARTRIDGE



N°2 viti M4 fil. utile
min. 10mm

N°2 M4 screw
min. thread depth
10mm

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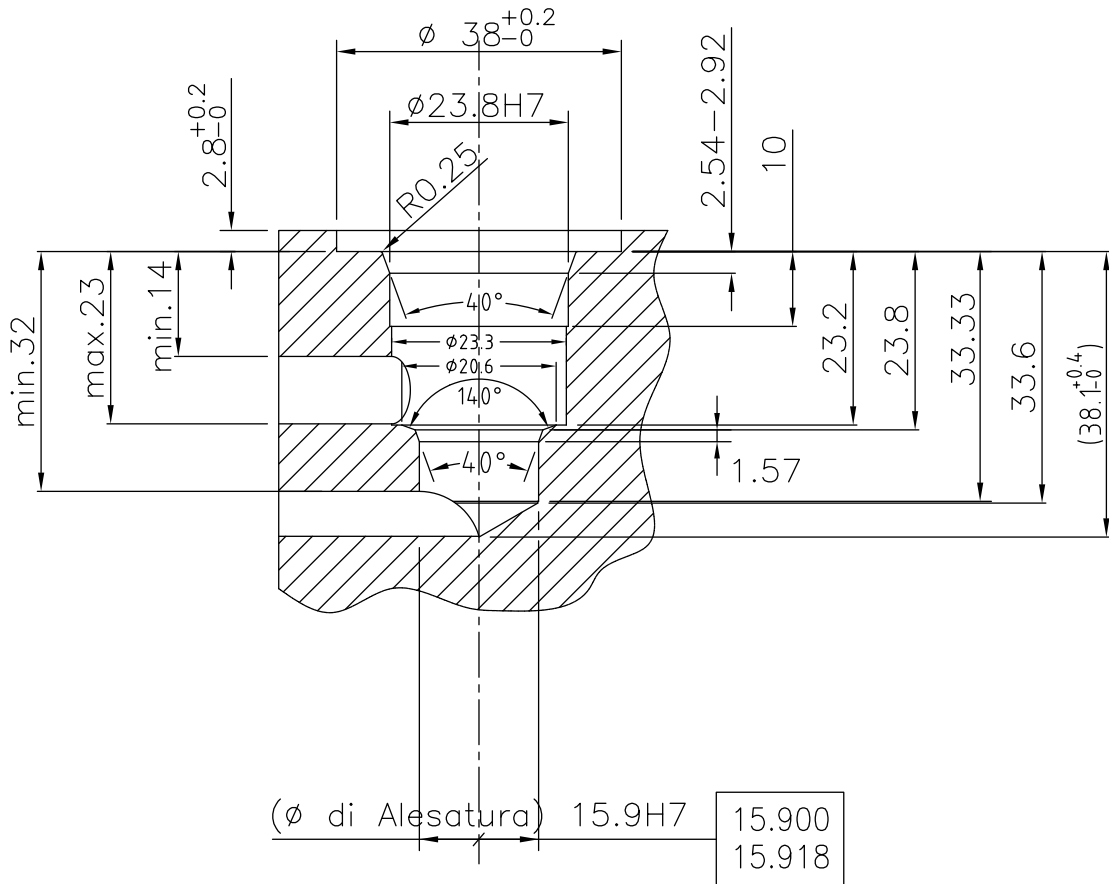


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T056



W11 / 2017

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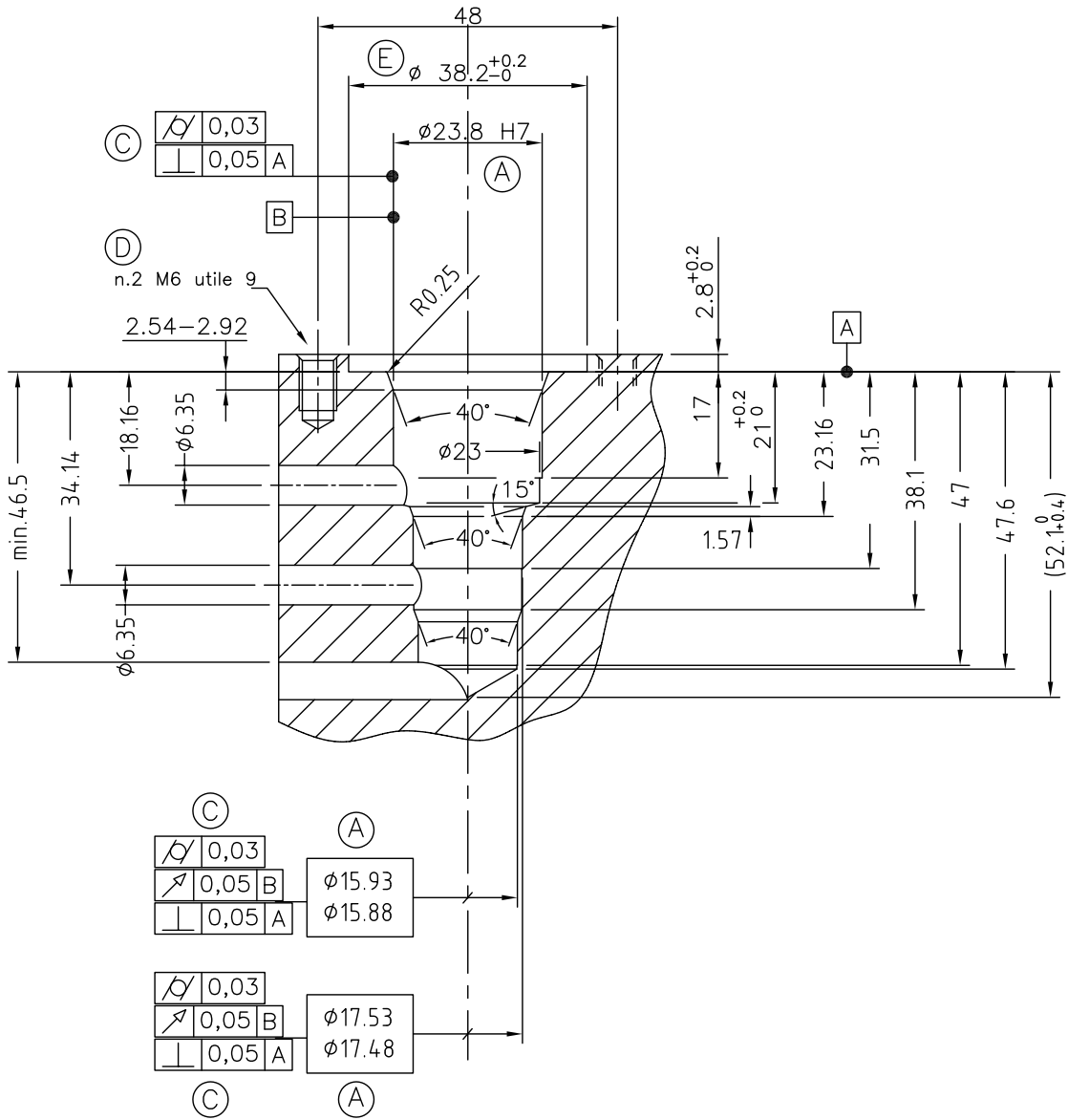


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T057



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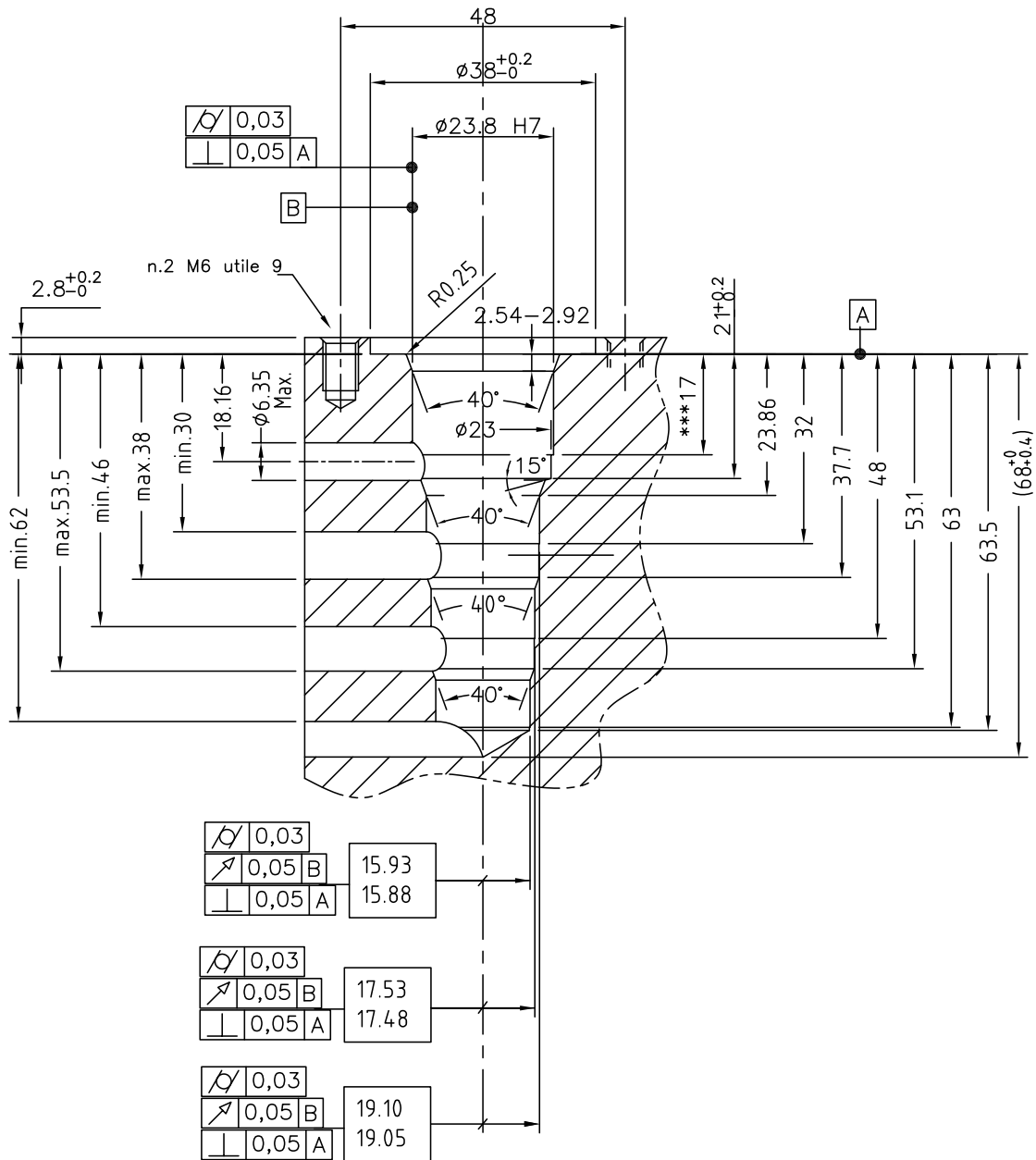
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T058



W 11 / 2017

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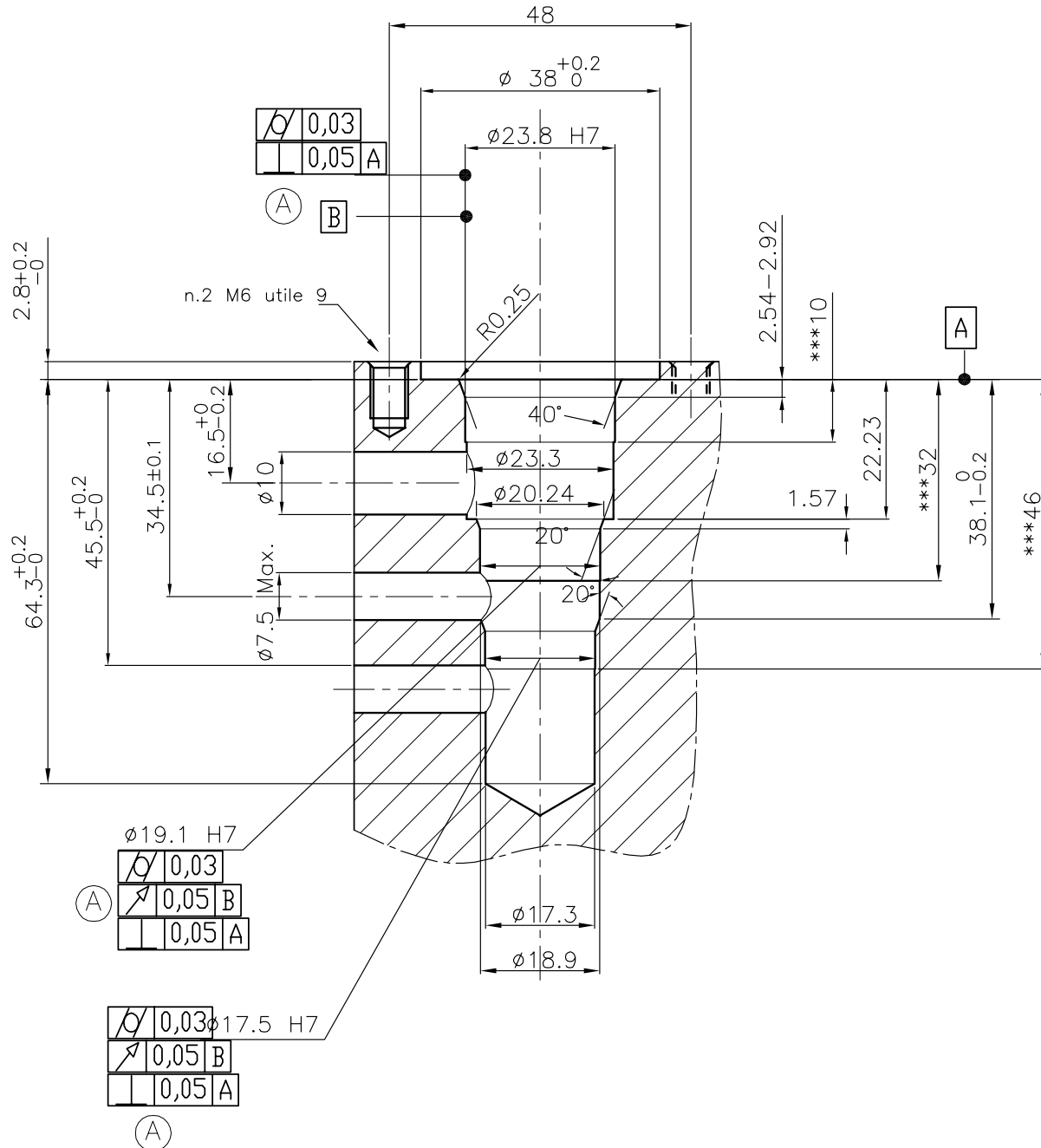


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T059 SLIP-IN CAVITY FOR IP-PRZ-59 CARTRIDGE



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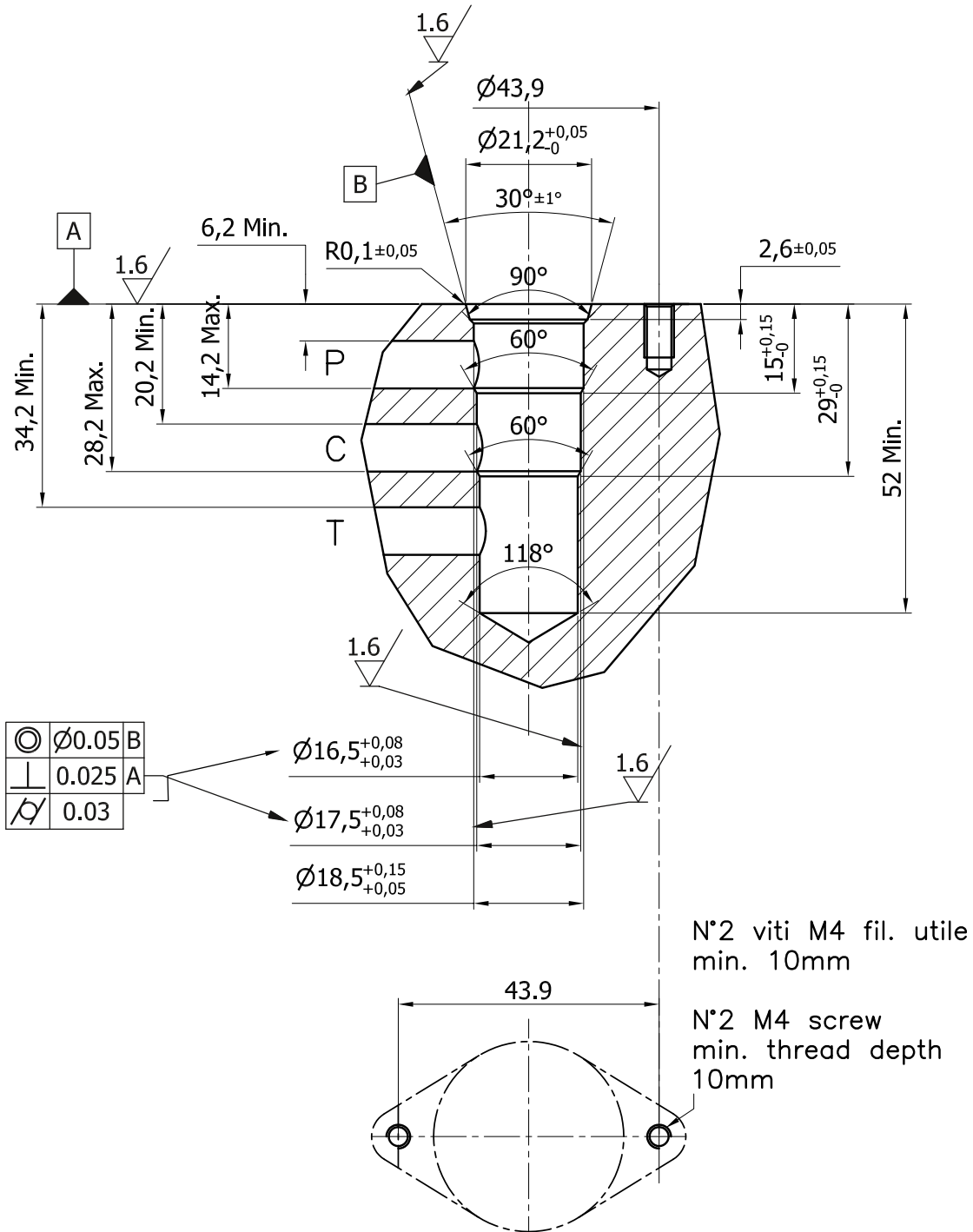


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T222



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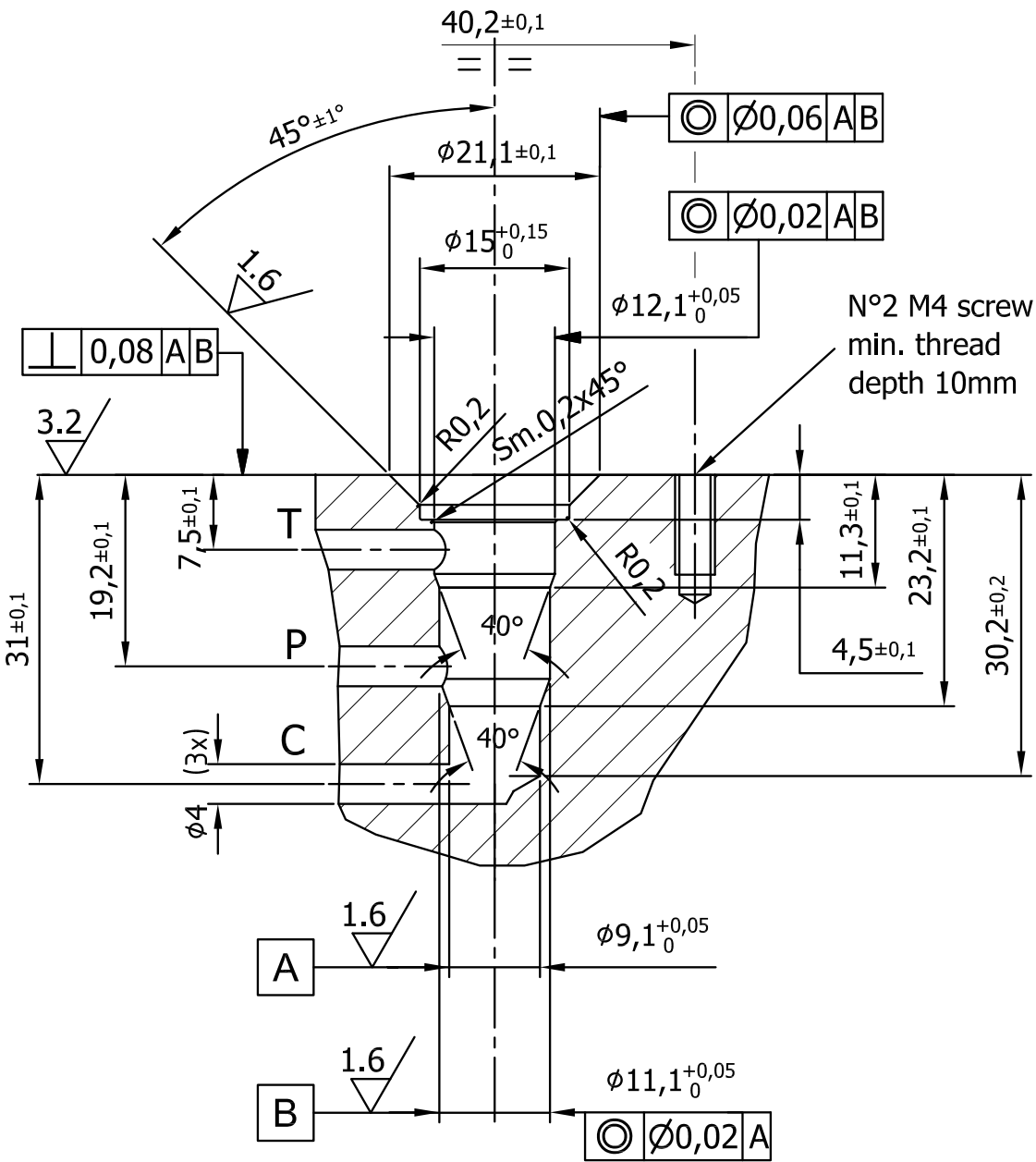
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W/11/2017

VALVE MNEMONIC CODE

First letter is the valve series:

- | | |
|------------------------------|------------------------------------|
| M = MINI (5/8") | I = INLINE/UNITIZED |
| P = POWER (3/4") | E = ELECTRONIC PROPORTIONAL |
| D = DELTA (7/8") | A = MOTORIZED |
| T = TECNORD (1 1/16") | Q = SPECIALS |
| S = SUPER (1 5/16") | H = 4000/5000 PSI RATED |

The second letter is the cavity:

M= Inline S= Special

	MINI	POWER	DELTA	TECNORD	SUPER
2 WAY	A	B	E	T	J
3 WAY	C	P	F	U	K
3 Way Short				R	L
4 WAY	D	Q	G	V	N
5 Way Short				X	O
5 Way					I

The third letter is the type of valve:

- | | |
|---------------------------------|-------------------------|
| R = RELIEF | S = SOLENOID |
| C = CHECK & LOAD HOLDING | M = MANUAL |
| N = NEEDLE | F = FLOW CONTROL |
| P = PRESSURE CONTROLLED | |

The third, fourth, and fifth characters combined describe the valve function. It is these characters that are stamped on the valve. Examples:

- | | |
|---|---------------------------------|
| S2A = SOLENOID 2 WAY POPPET | P2A = PROPORTIONAL 2 WAY |
| S3A = SOLENOID 3 WAY SPOOL | PRP = PRESSURE REDUCING |
| S4A = SOLENOID 4 WAY CRISS SPOOL | CVC = GUIDED BALL CHECK |
| RVA = RELIEF DIRECT ACTING | FCH = FLOW CONT REV FLOW |
| MCB = MAN NC DETENT | NVB = NEEDLE COARSE ADJ |

The sixth and seventh characters combined cover the o-ring, screen, override, knob and other options.

Example:

- | |
|--|
| 00 = STANDARD DEFAULT CONFIGURATION |
| VK = VITON O-RINGS, KNOB ADJUSTMENT |
| B3 = BUNA, SCREEN, OVERRIDE NONDETENT |

The eighth through eleventh characters describe the solenoid, flow range, or pressure range. Pressure or flow is specified as a range or a particular setting. Example:

- | | |
|-----------------------------------|---|
| DL12 = DUAL LEAD 12 VDC | 0005 = 5 PSI CRACK |
| DS24 = DUAL SPADE 24VDC | 1500 = 1500 MAX PRESS |
| HC24 = HIRSCHMANN 24 VDC | 03.0 = 3 GPM MAX FLOW |
| CL11 = CONDUIT LEAD 120VAC | 6-10 = 6 TO 10 G.P.M. FLOW RANGE |

The final character is the body port style:

- | |
|----------------------|
| N = BSP / NPT |
| S = SAE |

M A - R V A - V K - 1 5 0 0 - S
D E - S 2 A - 0 M - H C 1 2 - N
1 2 - 3 4 5 - 6 7 - 8 9 10 11 - 12

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