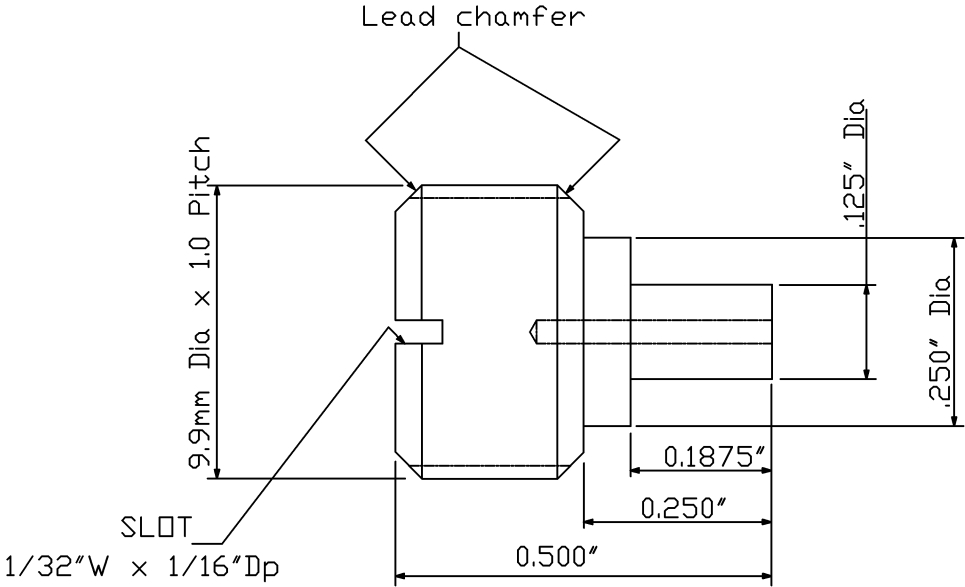


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Tolerance: = 2 Decimal Place +/- 0.015
3 Decimal Place +/- 0.005

REMOVE ALL SHARP ED



Surface Finish: 0.8 microns

Process Finish: Flash Nickel to a Maximum

Thickness of 0.005 microns

Title

Adjustment Screw



Dim in

Inches

Tol

± 0.2

Drawn

K. Rush

Scale

Not To Scale

Date

20/01/04

Dwg No.

TT0100.01

Material : BRASS

BS 2874 CZ121

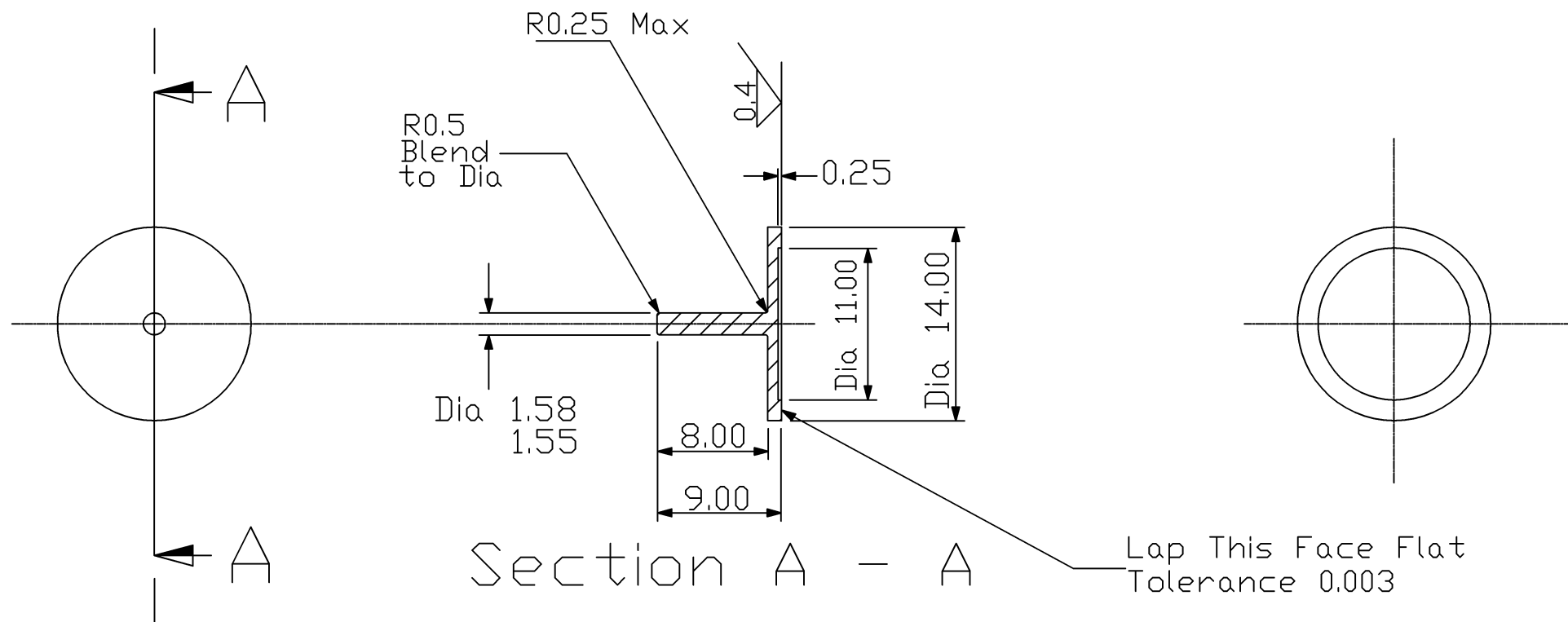
Part No.

VIAMED
15 Station Rd
Cross Hills, Keighley
West Yorkshire
BD20 7DT

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Tolerance: = 1 Decimal Place ± 0.5
2 Decimal Place ± 0.1

REMOVE ALL SHARP EDGES



Surface Finish: 0.8 microns

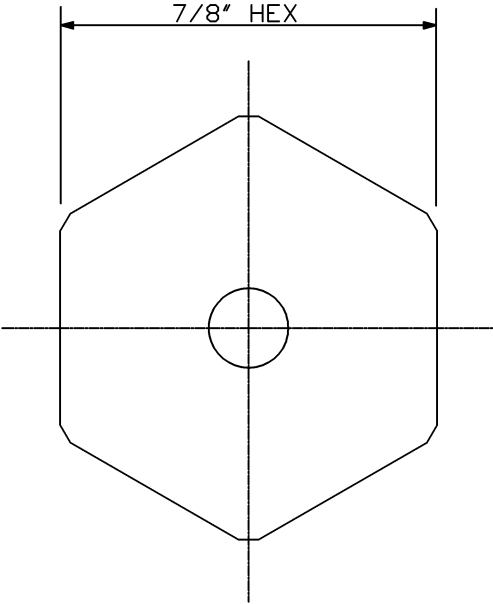
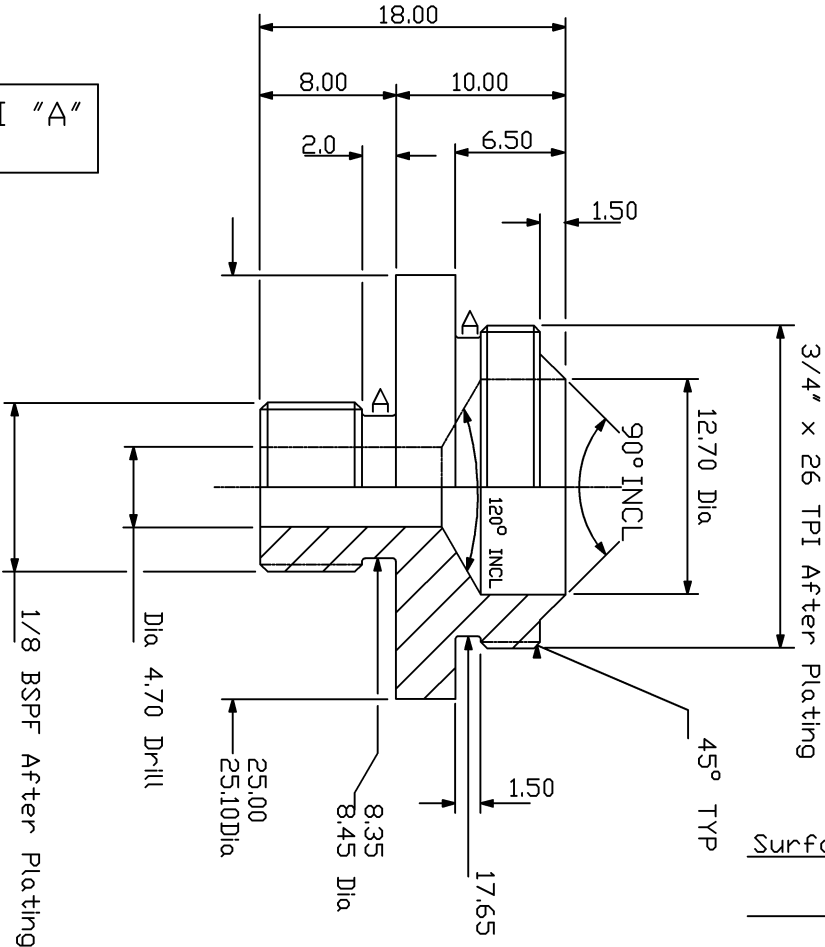
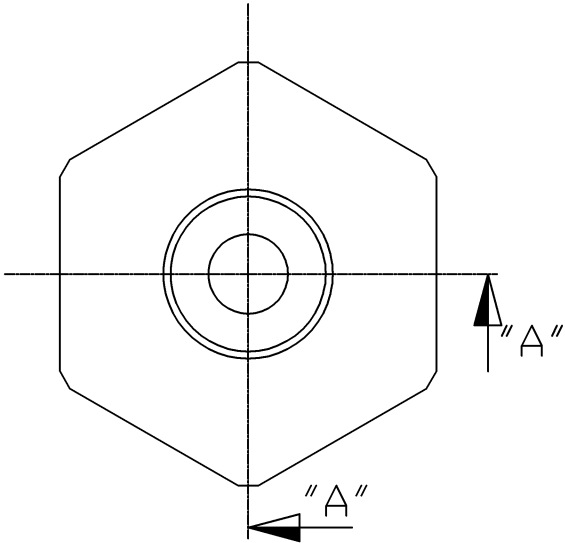
						Title Valve Seat					VIAMED 15 Station Rd Cross Hills, Keighley West Yorkshire BD20 7DT	
									Dim in			
						Tol		± 0.2				
						Scale	Not To Scale		Drawn	K. Rush		
REV	Date	N°	Drawn	Approv	Part No.	Date	20/01/04		Dwg No.	TT0100.02		
						Material : BRASS						
						BS 2874 CZ 121						

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Tolerance: = 1 Decimal Place ± 0.5
2 Decimal Place ± 0.1

REMOVE ALL SHARP EDGES

U' CUT RADII "A"
0.25



Surface Finish: 0.8 microns

Process Finish: Flash Nickel to a Maximum

Thickness of 0.005 microns

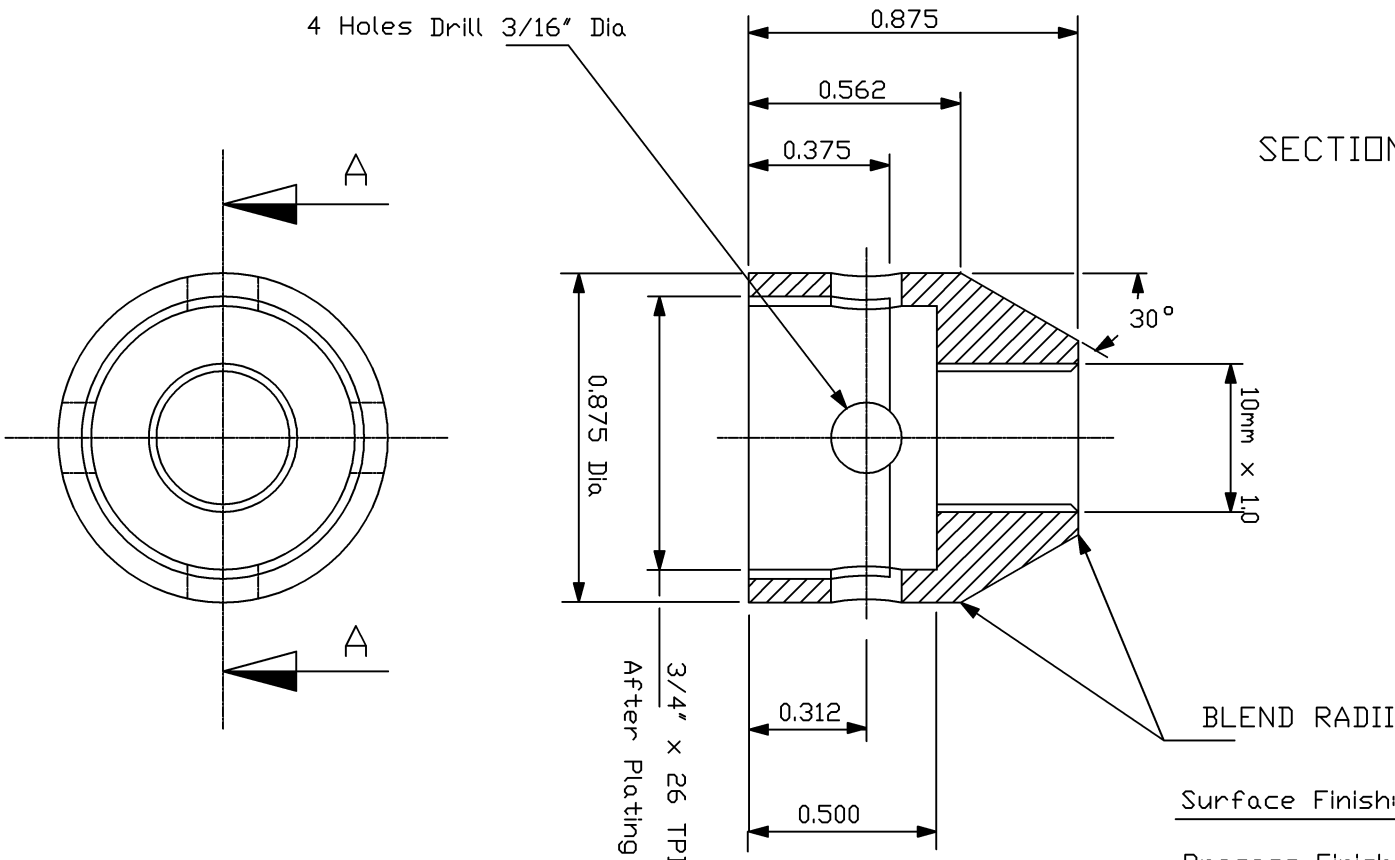
SECTION A - A

						Title Internal Valve					VIAMED 15 Station Rd Cross Hills, Keighley West Yorkshire BD20 7DT	
									Dim in	mm		
						Tol	± 0.2					
						Scale	Not To Scale		Drawn	K. Rush		
REV	Date	N°	Drawn	Approv	Part No.	Date	20/01/04	Dwg No.	TT0100.03			
Material : BRASS												

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Tolerance: = 2 Decimal Place +/- 0.015
3 Decimal Place +/- 0.005

REMOVE ALL SHARP EDGES



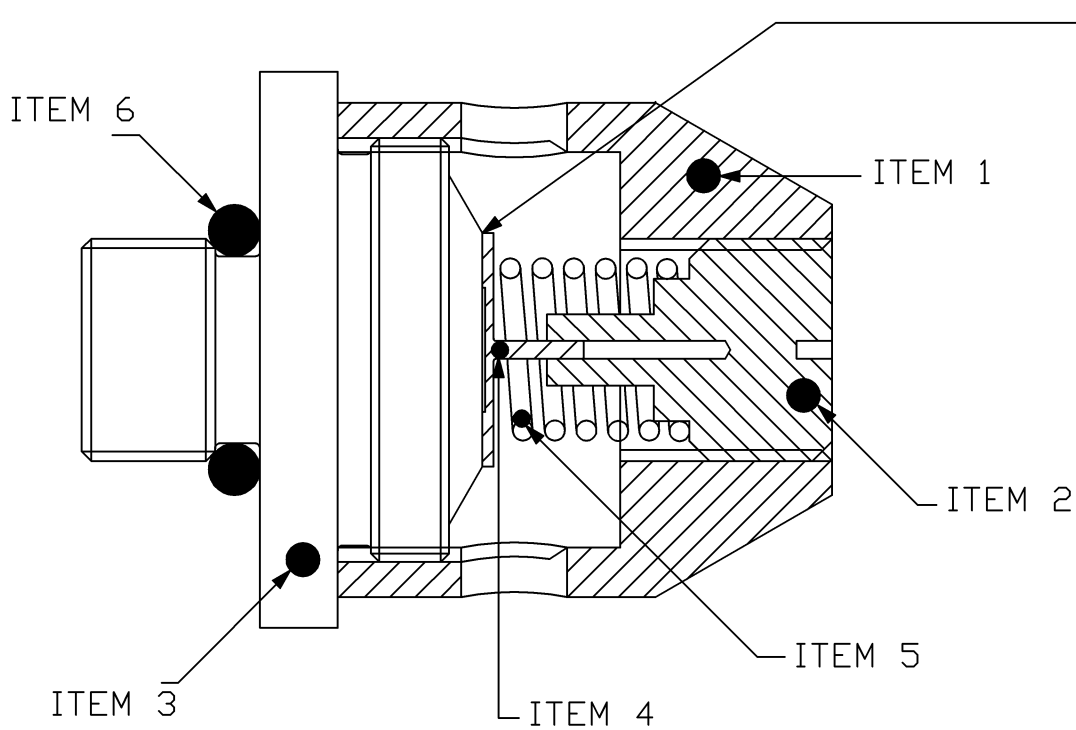
Surface Finish: 0.8 microns
Process Finish: Flash Nickel to a Maximum
Thickness of 0.005 microns

					Material : BRASS
REV	Date	N°	Drawn	Approv	Part No.

Title Valve Body			
		Dim in	Inches
Scale	Not To Scale	Tol	± 0.2
Date	21/01/04	Drawn	K. Rush
Dwg No.	TT0100.04		

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Cross Hills, Keighley
West Yorkshire
BD20 7DT

REMOVE ALL SHARP EDGES



Disc - Diamond Lapped to
Optical Flat

Knife Edge - Diamond Lapped to
Optical Flat

Maximum width of seat - 0.008"

Set to 30cm H₂O at 5L/min Flow

PARTS LIST

Item 1 - Valve Body	00000
Item 2 - Adjustment Screw	
Item 3 - Valve Seating	
Item 4 - Valve Seat	
Item 5 - Spring	
Item 6 - "O" Ring	

Apply Kilopoise 0001G to Spindle

Title Precision Valve Assembly			
		Dim in	mm
Scale		Tol	± 0.2
Not To Scale		Drawn	K. Rush
Date	22/01/04	Dwg No.	TT0100.05

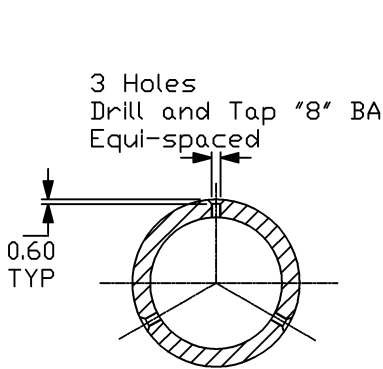
VIAMED
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West Yorkshire
BD20 7DT

					Material: See Parts List
REV	Date	N°	Drawn	Approv	Part No.

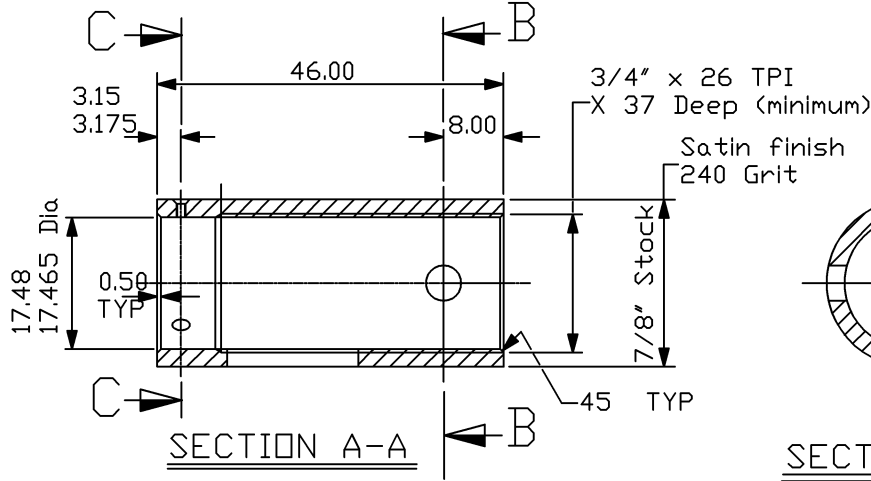
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Tolerance: = 1 Decimal Place ± 0.5
2 Decimal Place ± 0.1

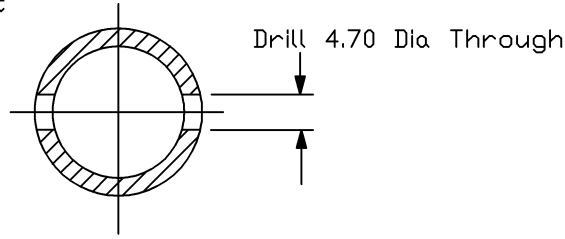
REMOVE ALL SHARP EDGES



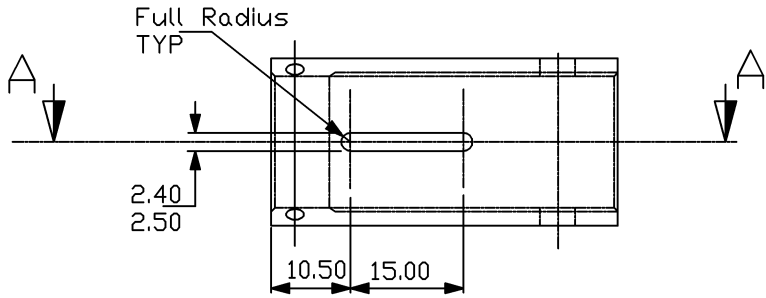
SECTION C-C



SECTION A-A



SECTION B-B



Surface Finish: 0.8 microns

Process Finish: Flash Nickel to a Maximum

Thickness of 0.005 microns

Title
Valve Body



Dim in mm

Tol ± 0.2

Drawn

Scale

Not To Scale

Date

21/01/04

Dwg No.

TT0100.10

Material : BRASS

BS2874 CZ 121

Part No.

VIAMED
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Cross Hills, Keighley
West Yorkshire
BD20 7DT

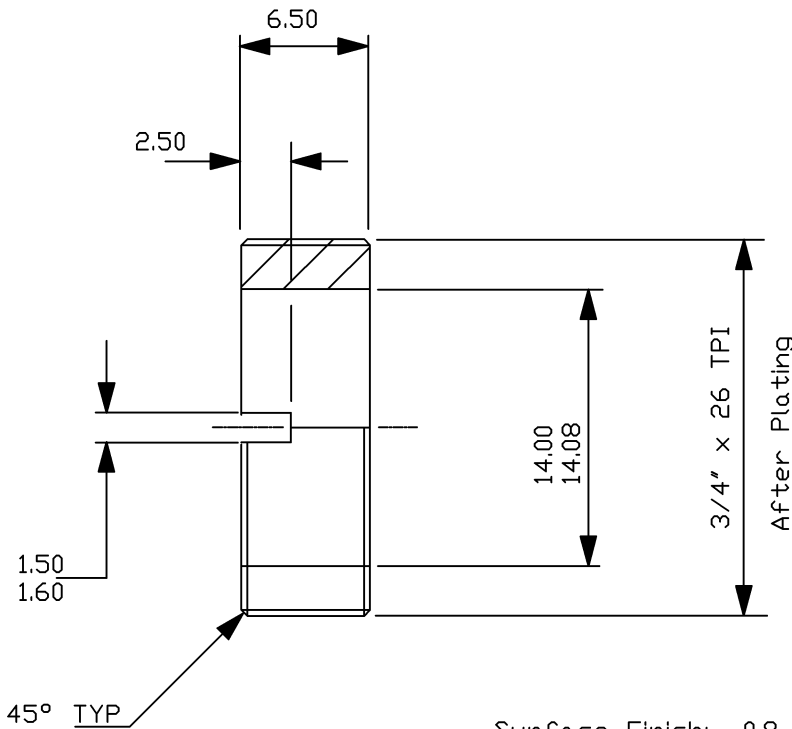
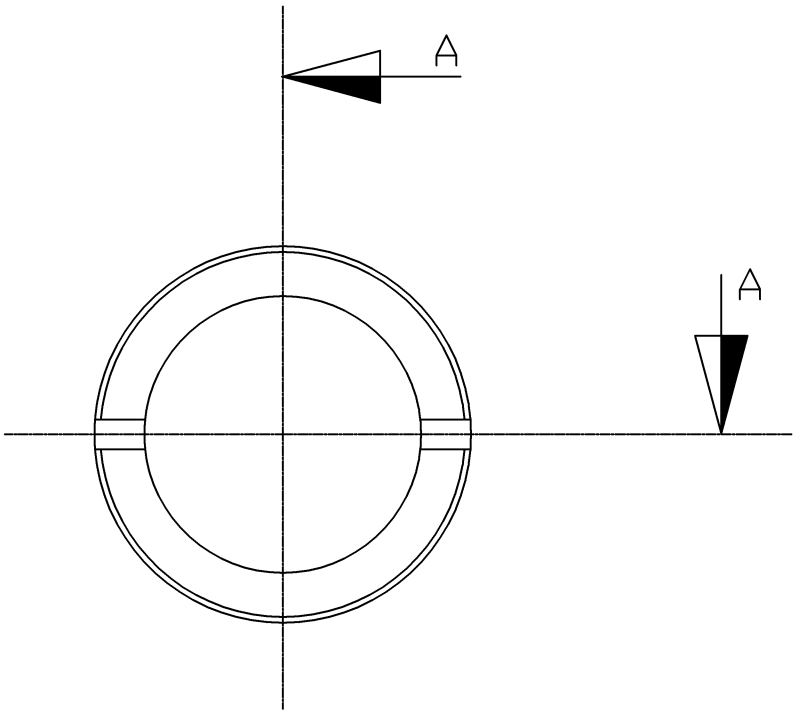
REV	Date	N°	Drawn	Approv

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Tolerance: = 1 Decimal Place ± 0.5
2 Decimal Place ± 0.1

REMOVE ALL SHARP EDGES

SECTION A-A



Surface Finish: 0.8 microns

Process Finish: Flash Nickel to a Maximum

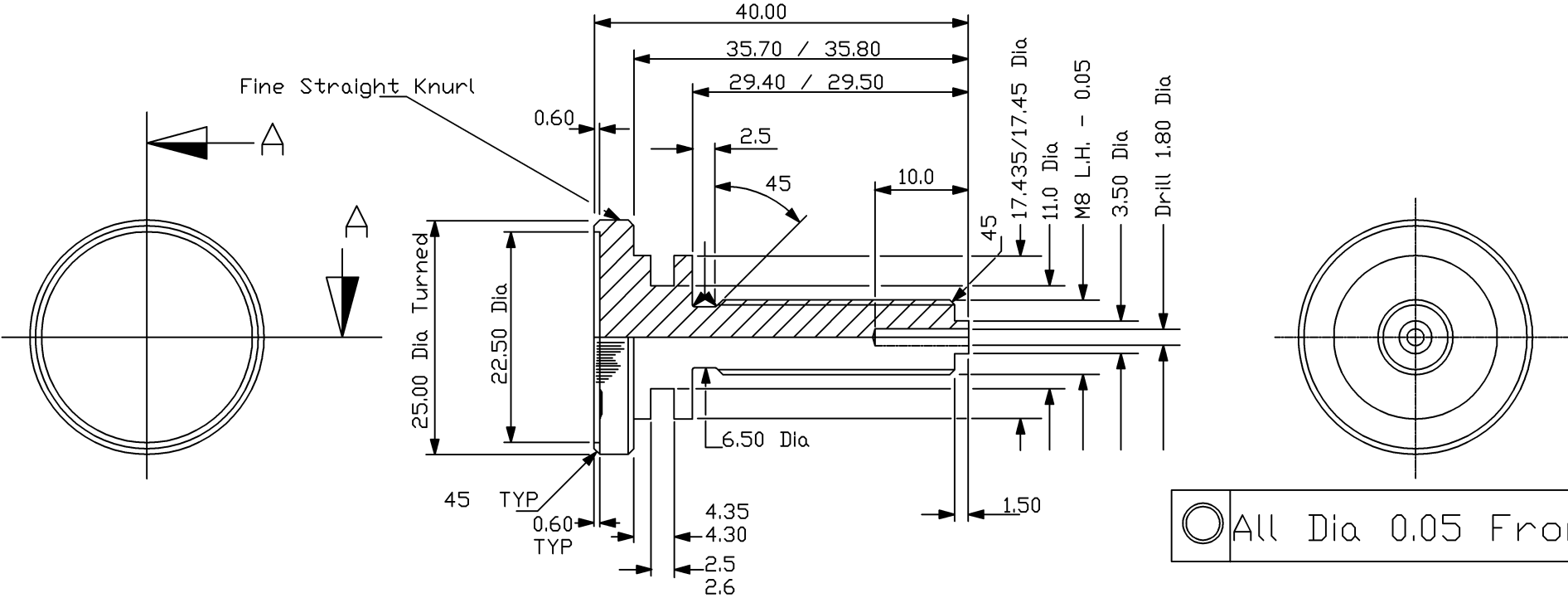
Thickness of 0.005 microns

					Title Adjusting Ring				VIAMED 15 Station Rd Cross Hills, Keighley West Yorkshire BD20 7DT	
				Material : BRASS						
				BS 2874 CZ 121						
REV	Date	N°	Drawn	Approv	Part No.	Date	21/01/04	Dwg No.	TT0100.11	
					Scale	Not To Scale		Drawn	K. Rush	
							Dim in	mm		
							Tol	± 0.2		

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Tolerance: = 1 Decimal Place ± 0.5
2 Decimal Place ± 0.1

REMOVE ALL SHARP EDGES



SECTION A-A

Surface Finish: 0.8 microns

Process Finish: Flash Nickel to a Maximum

Thickness of 0.005 microns

					Material : BRASS
					BS 2874 CZ 121
REV	Date	N°	Drawn	Approv	Part No.

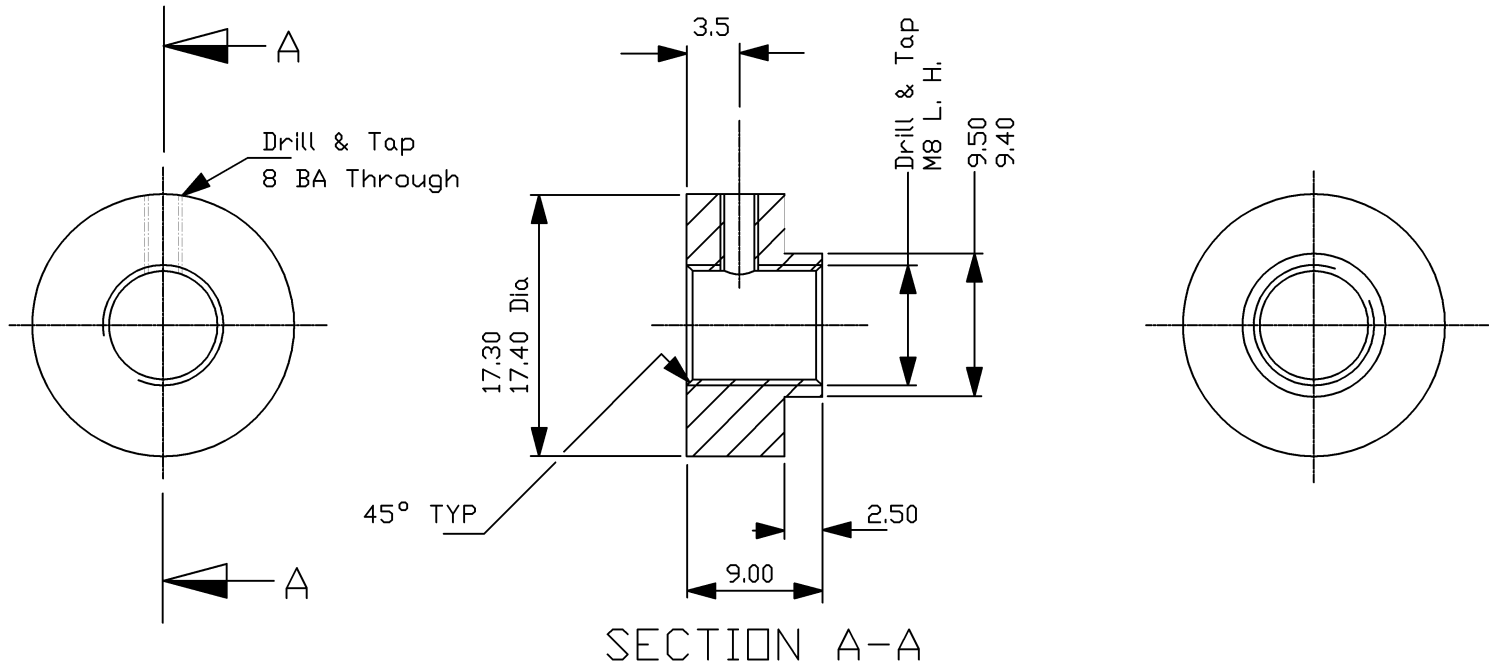
Title Adjusting Screw			
		Dim in	mm
Scale	Not To Scale	Tol	± 0.2
Date	21/01/04	Drawn	K. Rush
Dwg No.	TT0100.12		

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Tolerance: = 1 Decimal Place ± 0.5
2 Decimal Place ± 0.1

REMOVE ALL SHARP EDGES



Surface Finish: 0.8 microns

Process Finish: Flash Nickel to a Maximum

Thickness of 0.005 microns

Title
Internal Stop Nut



Dim in	mm
Tol	± 0.2
Drawn	K. Rush

Scale	Not To Scale	Date	21/01/04	Dwg No.	TT0100.13
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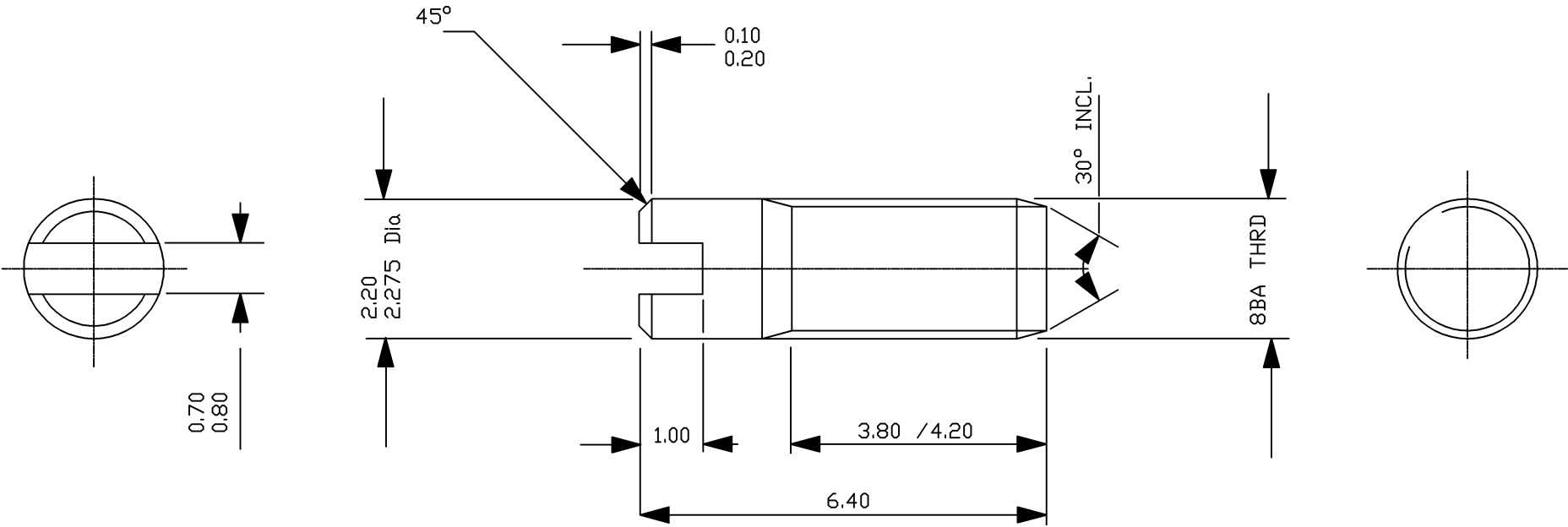
VIAMED
15 Station Rd
Cross Hills, Keighley
West Yorkshire
BD20 7DT

					Material : BRASS
					BS 2874 CZ 121
REV	Date	N°	Drawn	Approv	Part No.

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Tolerance: = 1 Decimal Place ± 0.5
2 Decimal Place ± 0.1

REMOVE ALL SHARP EDGES



Surface Finish: 0.8 microns

					Material: Stainless Steel 304
					BS 970
REV	Date	N°	Drawn	Approv	Part No.

					Material: Stainless Steel 304
					BS 970
					Part No.

Title			
Side Screw		Dim in	mm
Scale		Tol	± 0.2
Not To Scale		Drawn	K. Rush
Date	22/01/04	Dwg No.	TT0100.14

VIAMED
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Cross Hills, Keighley
West Yorkshire
BD20 7DT

REMOVE ALL SHARP EDGES

Technical drawing of a mechanical part, showing a side view and two end views.

Side View Dimensions:

- Radius: $R\ 2.0$
- Hole Diameter: 0.70
- Thread Section Length: 4.00
- Chamfer Angle: 45°
- Maximum Chamfer Width: $0.60\ \text{Max}$
- Thread Specification: $8BA\ \text{Thread}$

End Views:

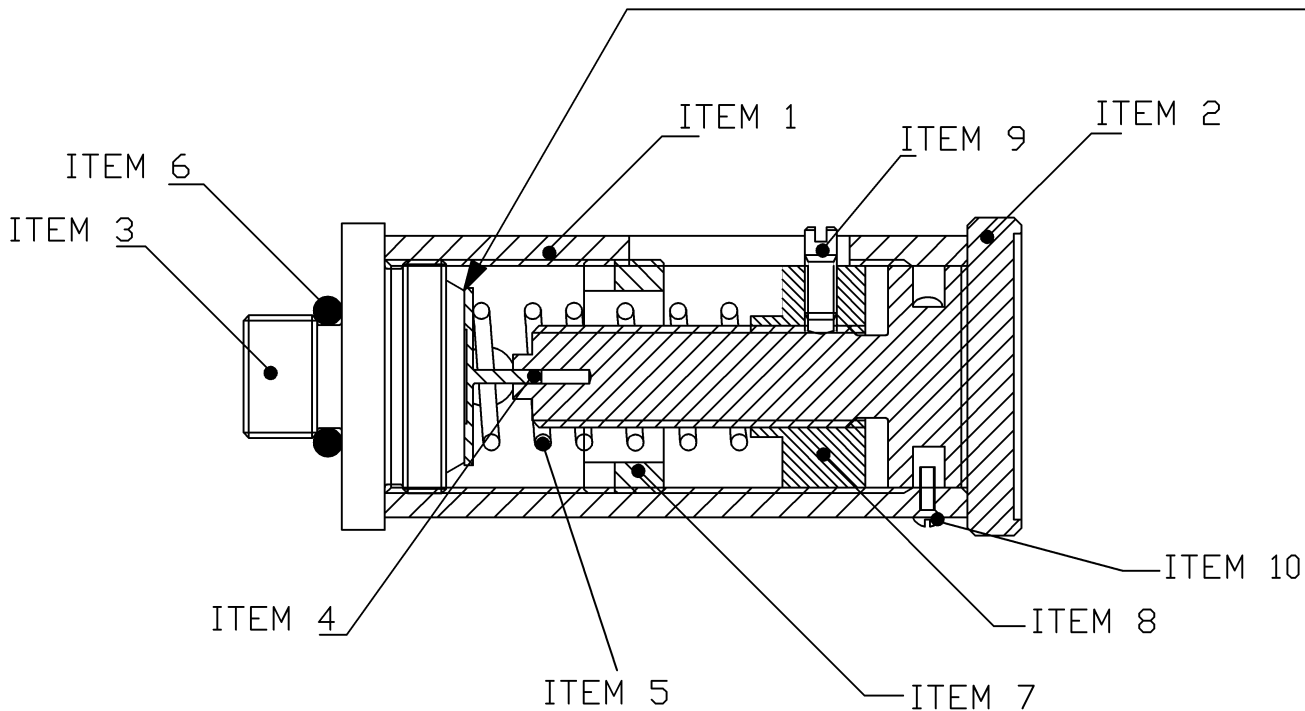
- The left end view shows a circular profile with a central hole.
- The right end view shows a circular profile with a central hole, indicating a different internal feature or a different section of the part.

Surface Finish: 0.8 microns

Title Retaining Screw			
		Dim in	mm
		Tol	± 0.2
Scale	Not To Scale	Drawn	K. Rush
Date	22/01/04	Dwg No.	TT0100.15

VIAMED
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BD20 7DT

REMOVE ALL SHARP EDGES



Disc - Diamond Lapped to
Optical Flat

Knife Edge - Diamond Lapped to
Optical Flat

Maximum width of seat - 0.008"

Set to 45cm H₂O at 5L/min Flow

PARTS LIST

Item 1 - Valve Body	00000
Item 2 - Adjustment Screw	
Item 3 - Valve Seating	
Item 4 - Valve Seat	
Item 5 - Spring	
Item 6 - "O" Ring	
Item 7 - Adjusting Ring	00000
Item 8 - Internal Stop Nut	
Item 9 - Side Screw	
Item 10 - Retaining Screw	

Apply Kilopoise 0001G to Threads,
Running Surfaces and Disc Spindle

Fine Grind Small Spring Coil
to 300° Contact and Check
Disc Sets Square with C

						Title Adjustable Valve Assembly				VIAMED 15 Station Rd Cross Hills, Keighley West Yorkshire BD20 7DT	
								Dim in	mm		
								Tol	± 0.2		
						Scale	Not To Scale	Drawn	K. Rush		
REV	Date	N°	Drawn	Approv	Part No.	Date	23/01/04	Dwg No.	TT0100.16		