
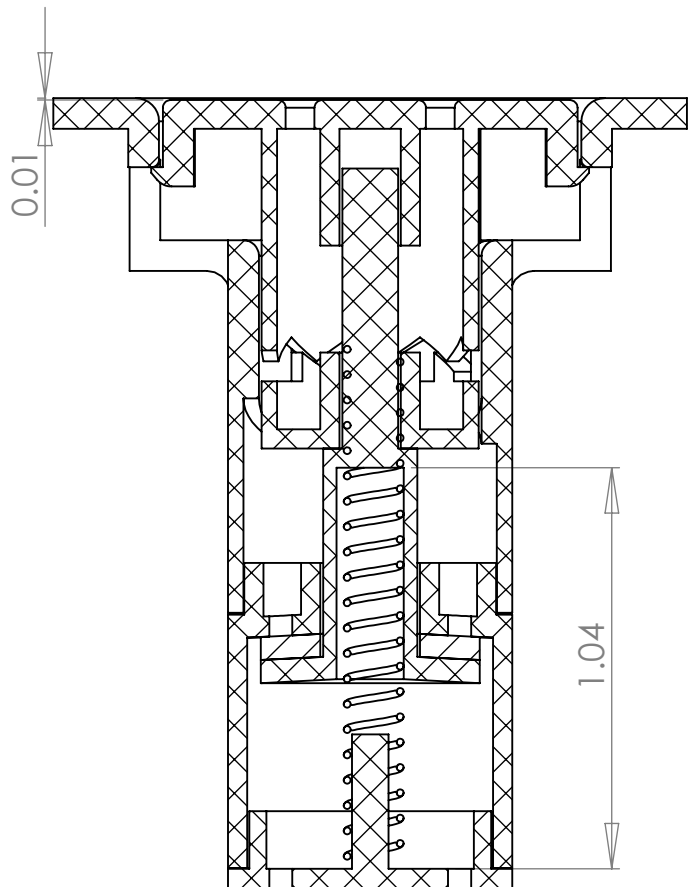
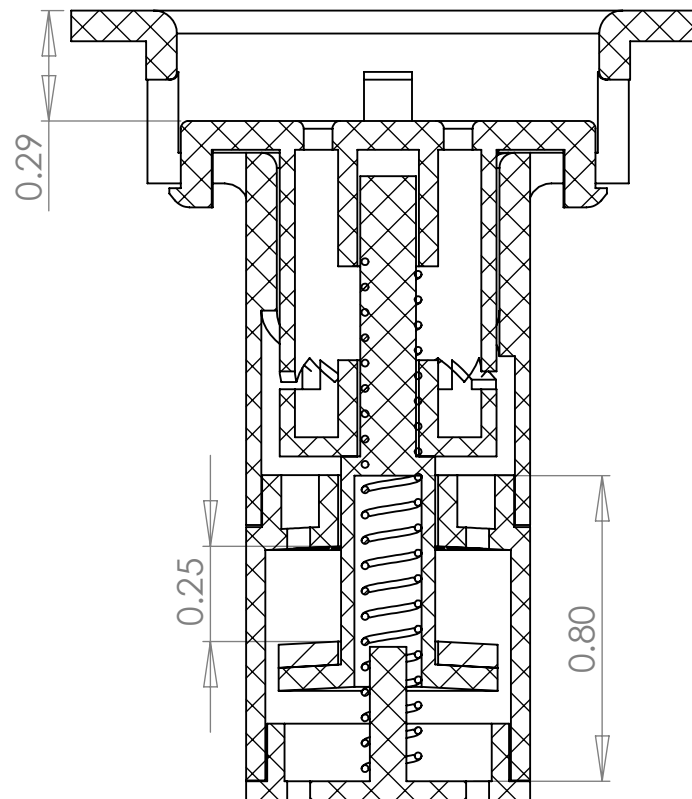


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		UNLESS OTHERWISE SPECIFIED:	NAME	DATE		
		DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL $\pm 1/16$ th ANGULAR: MACH \pm BEND \pm TWO PLACE DECIMAL ± 0.05 THREE PLACE DECIMAL ± 0.01	DRAWN	Hogan		
		INTERPRET GEOMETRIC TOLERANCING PER:	CHECKED		TITLE: Air Oasis Valve Unit	
		MATERIAL	ENG APPR.			
		FINISH	MFG APPR.		SIZE A DWG. NO. EPN-107-02-02 REV 0 SCALE: 1:1 Wt: lbs. SHEET 1 OF 6	
			Q.A.			
NEXT ASSY	USED ON		COMMENTS:			
APPLICATION		DO NOT SCALE DRAWING				



SECTION B-B
CLOSED VALVE
SCALE 2 : 1



SECTION C-C
FIRST CLICK
SCALE 2 : 1

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN	Hogan	
		TOLERANCES:	CHECKED		
		FRACTIONAL $\pm 1/16$ th	ENG APPR.		
		ANGULAR: MACH \pm BEND \pm	MFG APPR.		
		TWO PLACE DECIMAL ± 0.05	Q.A.		
		THREE PLACE DECIMAL ± 0.01	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
NEXT ASSY	USED ON	FINISH			
APPLICATION		DO NOT SCALE DRAWING			



TITLE:

Air Oasis Valve Unit

SIZE
A

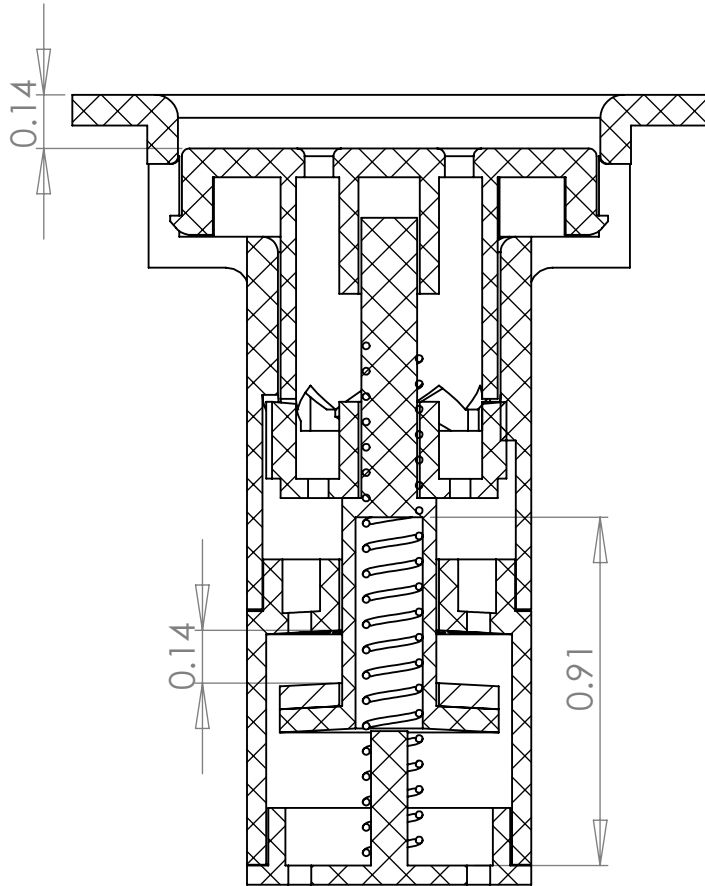
DWG. NO.
EPN-107-02-02

REV
0

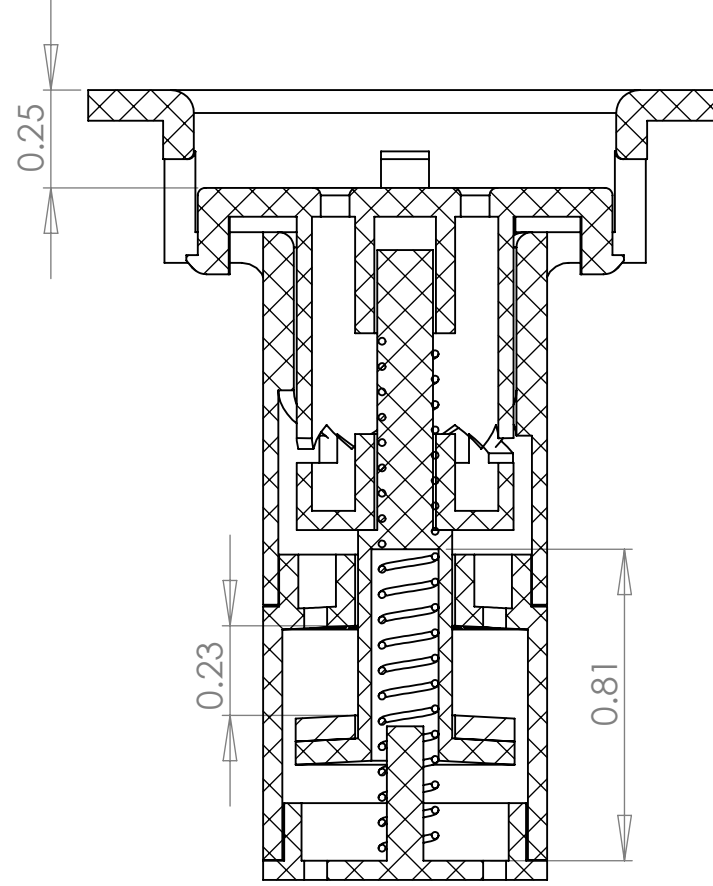
SCALE: 1:1

Wt: lbs.

SHEET 2 OF 6




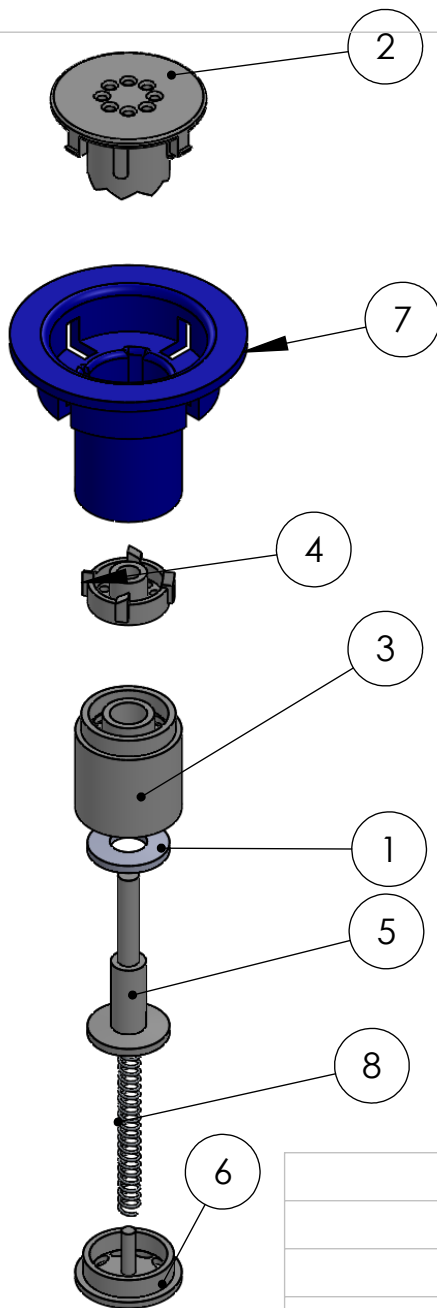
SECTION D-D
OPEN VALVE
SCALE 2 : 1



SECTION E-E
SECOND CLICK
SCALE 2 : 1


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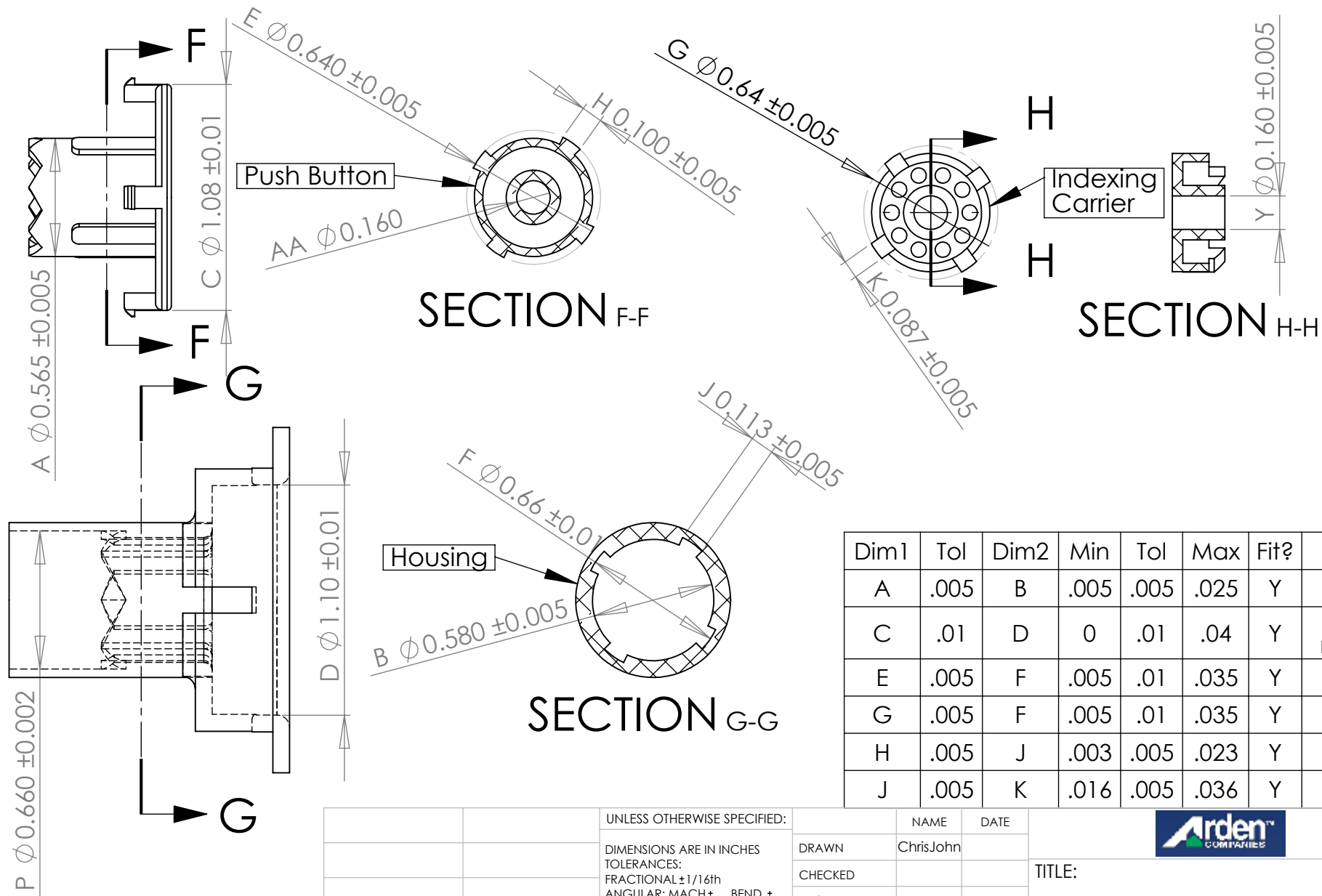
		UNLESS OTHERWISE SPECIFIED:		NAME	DATE		
		DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL $\pm 1/16$ th ANGULAR: MACH \pm BEND \pm TWO PLACE DECIMAL ± 0.05 THREE PLACE DECIMAL ± 0.01		DRAWN	Hogan		
		INTERPRET GEOMETRIC TOLERANCING PER:		CHECKED		TITLE:	
		MATERIAL		ENG APPR.			
		FINISH		MFG APPR.		Air Oasis Valve Unit	
NEXT ASSY		USED ON		Q.A.			
APPLICATION		DO NOT SCALE DRAWING		COMMENTS:		SIZE	DWG. NO.
						A	EPN-107-02-02
						SCALE: 1:1	Wt: lbs.
							SHEET 3 OF 6



ITEM NO.	PART NUMBER	DESCRIPTION	Default/QTY
1	EPN-107-02-603-02	AOV - RUBBER SEAL	1
2	EPN-107-02-604-02	AOV - PUSH BUTTON	1
3	EPN-107-02-601-02	AOV - VALVE SEAT	1
4	EPN-107-02-602-02	AOV - INDEXING CARRIER	1
5	EPN-107-02-605-02	AOV - VALVE	1
6	EPN-107-02-606-02	AOV - END CAP/SPRING SEAT	1
7	EPN-107-02-607-02	AOV - HOUSING	1
8	EPN-107-02-901-00	AOV - SPRING	1

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		DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL $\pm 1/16$ th ANGULAR: MACH \pm BEND \pm TWO PLACE DECIMAL ± 0.05 THREE PLACE DECIMAL ± 0.01	DRAWN	Hogan			
			CHECKED			TITLE: Air Oasis Valve Unit	
			ENG APPR.				
			MFG APPR.				
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			SIZE A DWG. NO. EPN-107-02-02 REV 0	
		MATERIAL	COMMENTS:				
NEXT ASSY	USED ON	FINISH				SCALE: 1:1	Wt: lbs.
APPLICATION		DO NOT SCALE DRAWING				SHEET 4 OF 6	



Dim1	Tol	Dim2	Min	Tol	Max	Fit?	Notes
A	.005	B	.005	.005	.025	Y	Loose
C	.01	D	0	.01	.04	Y	Needs review
E	.005	F	.005	.01	.035	Y	Close
G	.005	F	.005	.01	.035	Y	Loose
H	.005	J	.003	.005	.023	Y	Close
J	.005	K	.016	.005	.036	Y	Close

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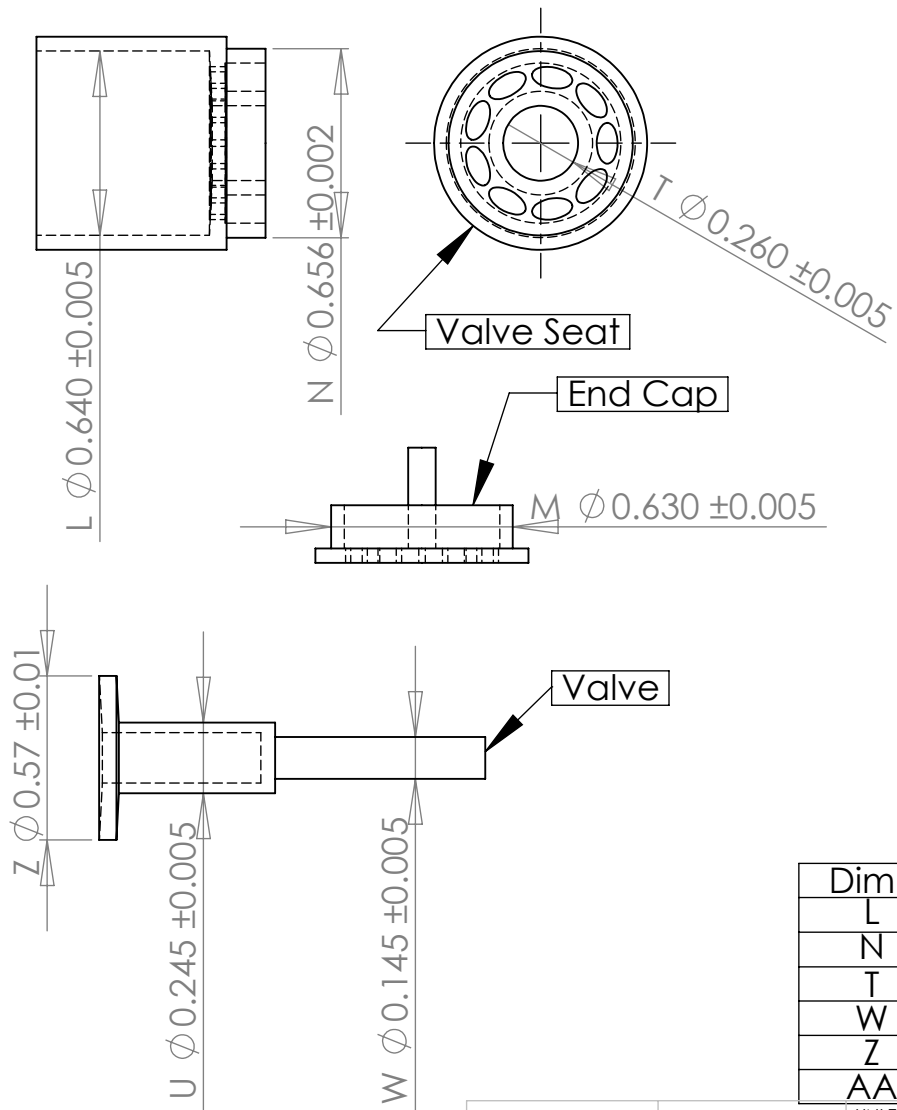
		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN	ChrisJohn	
		TOLERANCES:	CHECKED		
		FRACTIONAL ± 1/16th	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±0.05			
		THREE PLACE DECIMAL ±0.01			
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.		
		MATERIAL	COMMENTS:		
		POM Acetal Copolymer			
NEXT ASSY	USED ON	FINISH			
		TBD			
APPLICATION		DO NOT SCALE DRAWING			



TITLE:

AOV - HOUSING

SIZE	DWG. NO.	REV
A	EPN-107-02-02	0
SCALE: 3:2		Wt: 0.02 lbs.
SHEET 5 OF 6		



Push Button	A	Button Shaft OD
	C	Button Top OD
	E	Shaft width at guide ridges
	H	Max width of guide ridges
	AA	Hole to accept Valve stem
Housing	B	ID to accept Button Shaft OD
	D	ID to accept Button Top OD
	F	Max cross width to accept guide ridges
	J	Max guide channel width
	P	Housing Shaft ID
Indexing Carrier	G	OD, not counting tooth boss
	K	Tooth width
	Y	Indexing Carrier hole width
Valve Seat	L	Seat ID
	N	Seat connection OD
	T	Seat hole width
Valve	U	Main OD
	W	Valve guide diameter
	Z	Valve seal diameter
End Cap	M	Cap fit OD

Dim1	Tol	Dim2	Tol	Min	Max	Fit?	Notes
L	.005	M	.005	0	.02	Y	Tight
N	.002	P	.002	0	.004	Y	Tight
T	.005	U	.005	.005	.025	Y	Loose
W	.005	Y	.005	.005	.025	Y	Loose
Z	.01	L	.005	.055	.085	Y	Loose
AA	.005	W	.005	.005	.025	Y	Loose

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		TOLERANCES:	CHECKED		
		FRACTIONAL ±1/16th	ENG APPR.		
		ANGULAR: MACH± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±0.05			
		THREE PLACE DECIMAL ±0.01			
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.		
		MATERIAL	COMMENTS:		
		POM Acetal Copolymer			
NEXT ASSY	USED ON	FINISH			
		TBD			
APPLICATION		DO NOT SCALE DRAWING			



TITLE:

AOV - VALVE SEAT

SIZE	DWG. NO.	REV
A	EPN-107-02-02	0
SCALE: 3:2	Wt: 0.01 lbs.	SHEET 6 OF 6