

PRL GLASS SYSTEMS

PLHR20XCG Product Data Sheet



PLHR20XCG

1. PRODUCT NAME:

PLHR20XCG Glass mounted hand rail bracket

2. MANUFACTURER:

PRL Glass systems exclusively manufactures the Glass mounted hand rail bracket as described on this sheet.

3. BASIC USE:

PRL Glass systems PLHR20XCG Glass mounted hand rail bracket system is a pre-engineered based railing system, shipped to the job site ready to install.

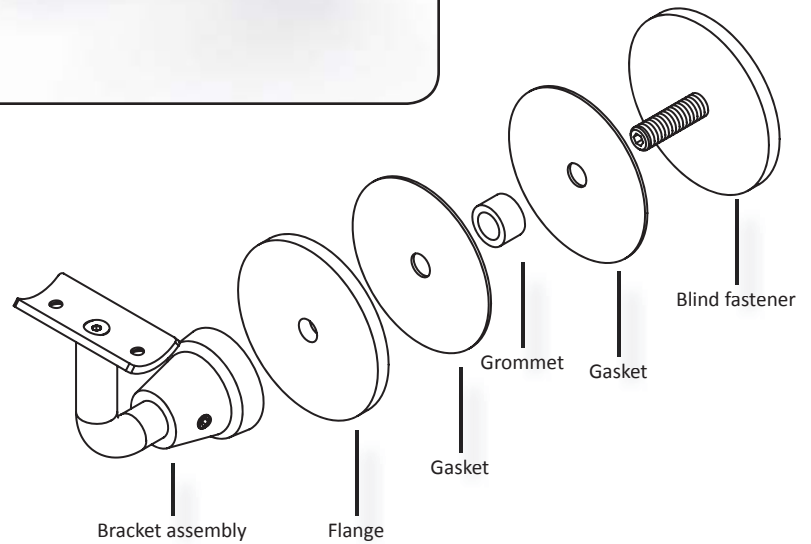
LIMITATIONS:

PLHR20XCG Glass mounted hand rail bracket is only limited by the materials from which it is fabricated.

Pre-engineered Glass mounted hand rail brackets should be assembled using the components listed:

PLHR20XCG ASSEMBLY:

- (1) Bracket assembly
- (1) Flange
- (2) Neoprene gaskets
- (1) EPDM grommet
- (1) Blind fastener



FINISHES:

Standard circular # 4 brushed or polished #8 stainless steel
satin/polish brass

MATERIAL:

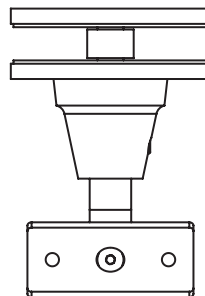
316 stainless steel alloy

GLASS HOLE REQUIRED:

3/4" Diameter

THREAD REQUIRED:

3/8-16 Drill required = 5/16" Diameter



4. TECHNICAL DATA:

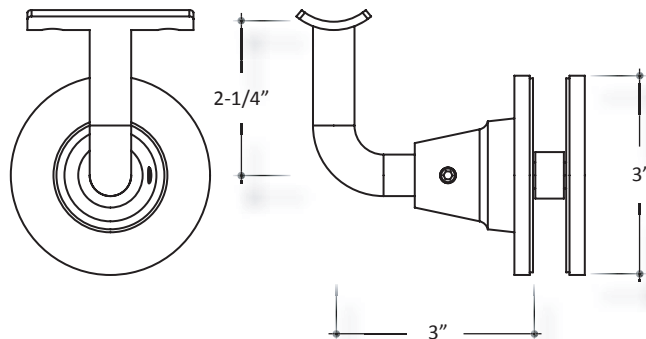
The PLHR20XCG Glass mounted hand rail bracket is designed to meet performance criteria as outlined in IBC 2006

5. INSTALLATION:

The PLHR20XCG Glass mounted hand rail bracket must be attached to surfaces that are approved or selected by the manufacturer and shall be detailed on all shop drawings

6. MAINTENANCE:

The PLHR20XCG Glass mounted hand rail bracket surface can be kept clean by the use of ordinary soaps and mild cleansers. Abrasive cleaners should not be used



PRL GLASS SYSTEMS

PLHR20XCW Product Data Sheet

MADE IN THE USA



PLHR20XCW

1. PRODUCT NAME:

PLHR20XCW Wall mounted hand rail bracket

2. MANUFACTURER:

PRL Glass systems exclusively manufactures the Wall mounted hand rail bracket as described on this sheet.

3. BASIC USE:

PRL Glass systems PLHR20XCW Wall mounted hand rail bracket system is a pre-engineered based railing system, shipped to the job site ready to install.

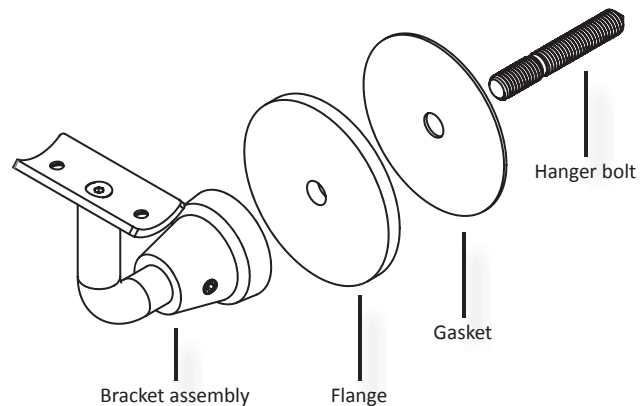
LIMITATIONS:

PLHR20XCW Wall mounted hand rail bracket is only limited by the materials from which it is fabricated.

Pre-engineered Wall mounted hand rail brackets should be assembled using the components listed:

PLHR20XCW ASSEMBLY:

- (1) Bracket assembly
- (1) Flange
- (1) Neoprene gasket
- (1) Hanger bolt



FINISHES:

Standard circular # 4 brushed or polished #8 stainless steel
satin/polish brass

MATERIAL:

316 stainless steel alloy

WALL HOLE REQUIRED:

Per engineer specifications

4. TECHNICAL DATA:

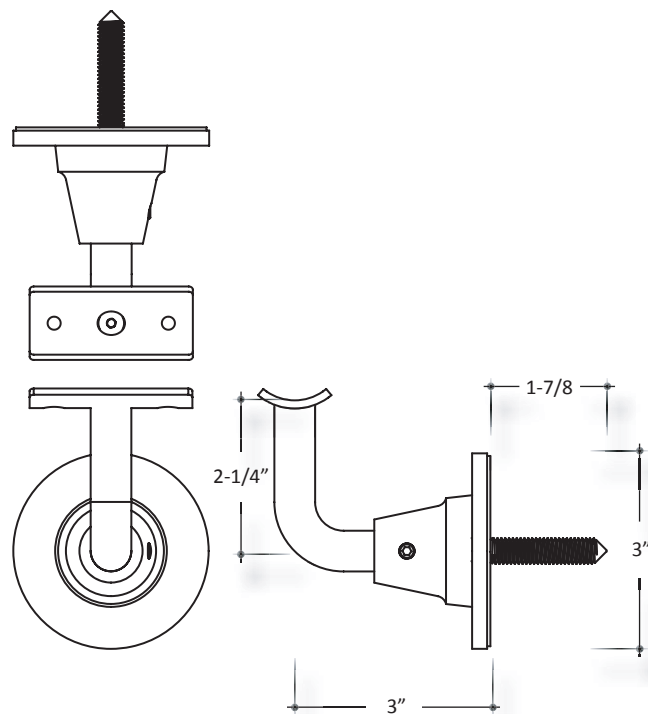
The PLHR20XCW Wall mounted hand rail bracket is designed to meet performance criteria as outlined in IBC 2006

5. INSTALLATION:

The PLHR20XCW Wall mounted hand rail bracket must be attached to surfaces that are approved or selected by the manufacturer and shall be detailed on all shop drawings

6. MAINTENANCE:

The PLHR20XCW Wall mounted hand rail bracket surface can be kept clean by the use of ordinary soaps and mild cleansers. Abrasive cleaners should not be used



PRL GLASS SYSTEMS

PLRSOB2134 Product Data Sheet

MADE IN THE USA



PLRSOB2134

1. PRODUCT NAME:

PLRSOB2134 Standoff railing system

2. MANUFACTURER:

PRL Glass systems exclusively manufactures the handrail system as described on this sheet.

3. BASIC USE:

PRL Glass systems PLRSOB2134 standoff railing system is a pre-engineered based railing system, shipped to the jobsite ready to install.

LIMITATIONS:

PLRSOB2134 standoff railing system is only limited by the materials from which it is fabricated.

Pre-engineered railing should be assembled using the components listed:

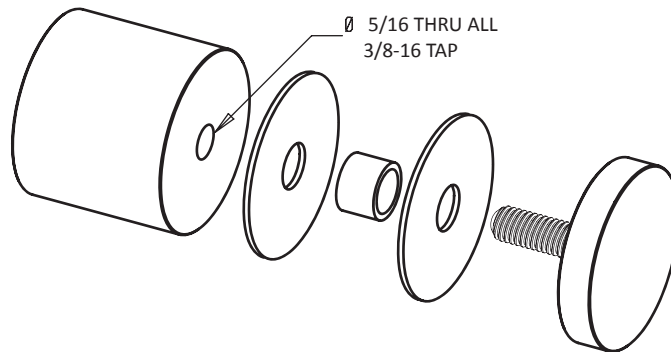
PLRSOB2134 ASSEMBLY:

(1) 2" Diameter stainless steel standoff drilled & tap 3/8-16 stud

(2) plastic gaskets

(1) plastic bushing

(1) stainless steel cap with welded set screw



FINISHES:

Standard circular # 4 brushed or polished #8 Stainless Steel

MATERIAL:

316 stainless steel alloy
304 stainless steel alloy

GLASS HOLE REQUIRED:

3/4" Diameter

THREAD REQUIRED:

3/8-16 Drill required = 5/16" Diameter

4. TECHNICAL DATA:

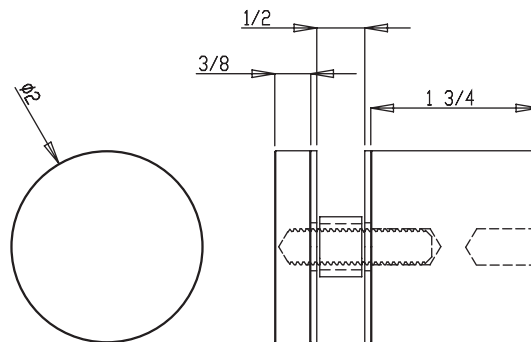
The PLRSOB2134 railing system is designed to meet performance criteria as outlined in IBC 2006

5. INSTALLATION:

The PLRSOB2134 railing system must be attached to Structural substrate design or approved by structural engineer and shall be detailed on all shop drawings

6. MAINTENANCE:

The PLRSOB2134 railing system surface can be kept clean by the use of ordinary soaps and mild cleansers. Abrasive cleaners should not be used



2006 INTERNATIONAL BUILDING CODE

2407.1.2 SUPPORT

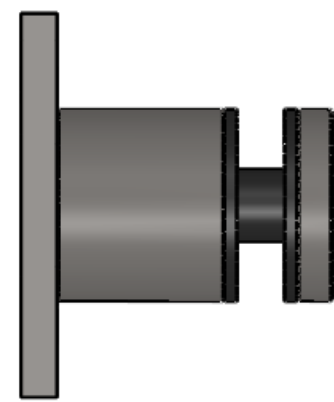
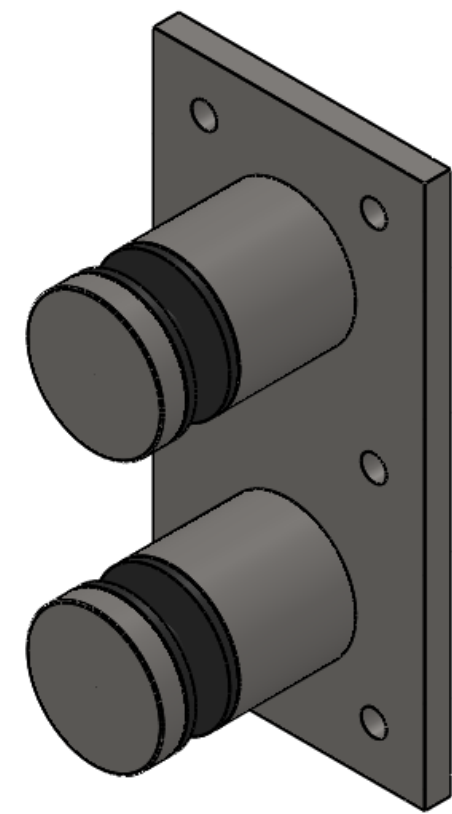
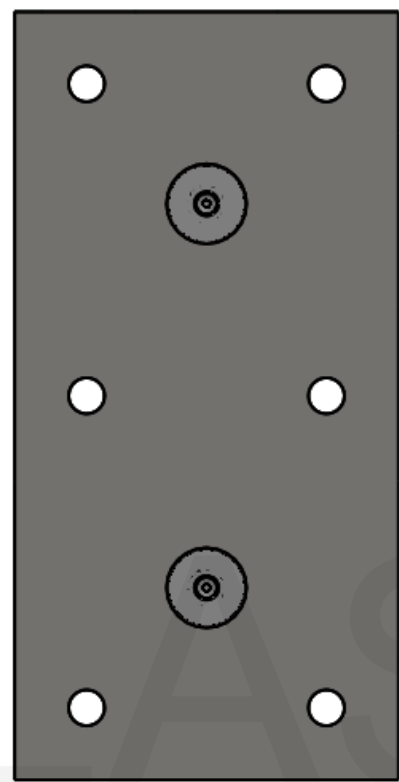
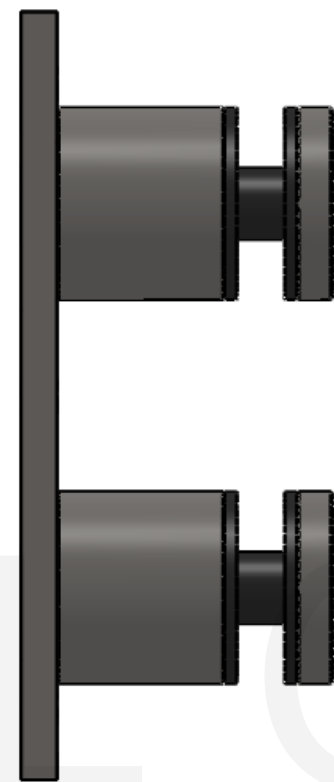
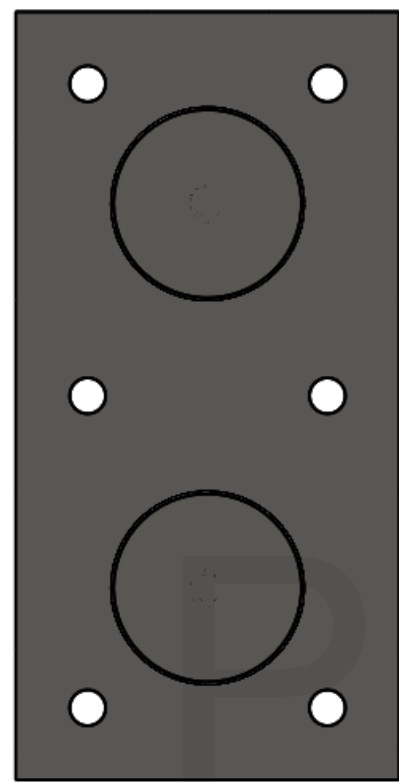
Each handrail or guard section shall be supported by a minimum of three glass balusters or shall be otherwise supported to remain in place should one baluster panel fail.

Glass balusters shall not be installed without an attached handrail or guardrail.

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		MATERIAL				B PLRSOB20
NEXT ASSY	USED ON	FINISH				SCALE: 1:2 WEIGHT: SHEET 1 OF 10
	APPLICATION	DO NOT SCALE DRAWING				

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PLRSOB20-BNG

RSOB-GHB

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RSOB2134C

FRIGGLASS

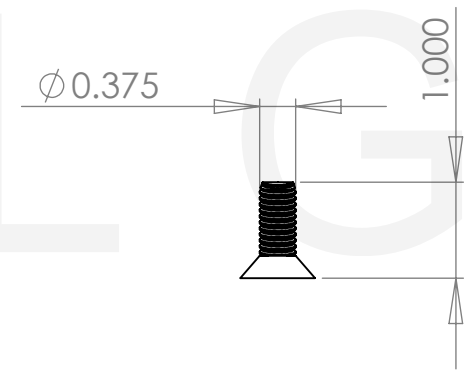
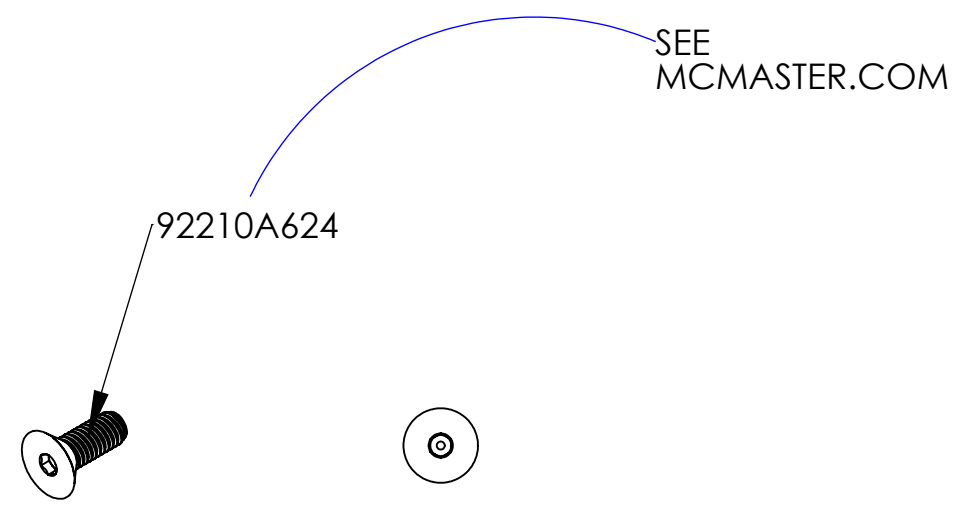
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APPLICATION		DO NOT SCALE DRAWING			
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SIZE	DWG. NO.			REV	
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SCALE: 1:2	WEIGHT:	SHEET 2 OF 10			

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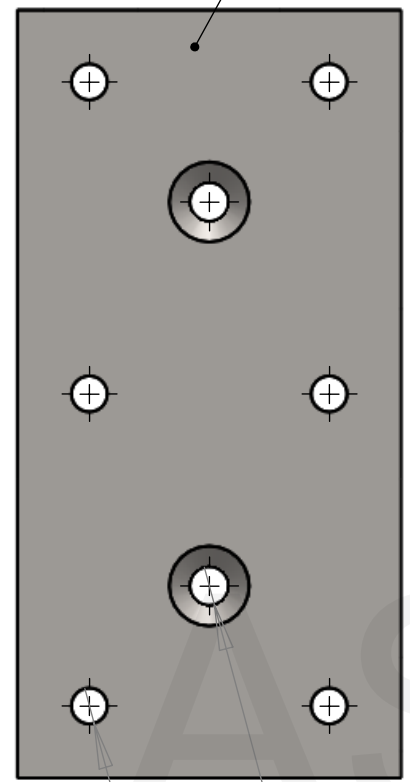
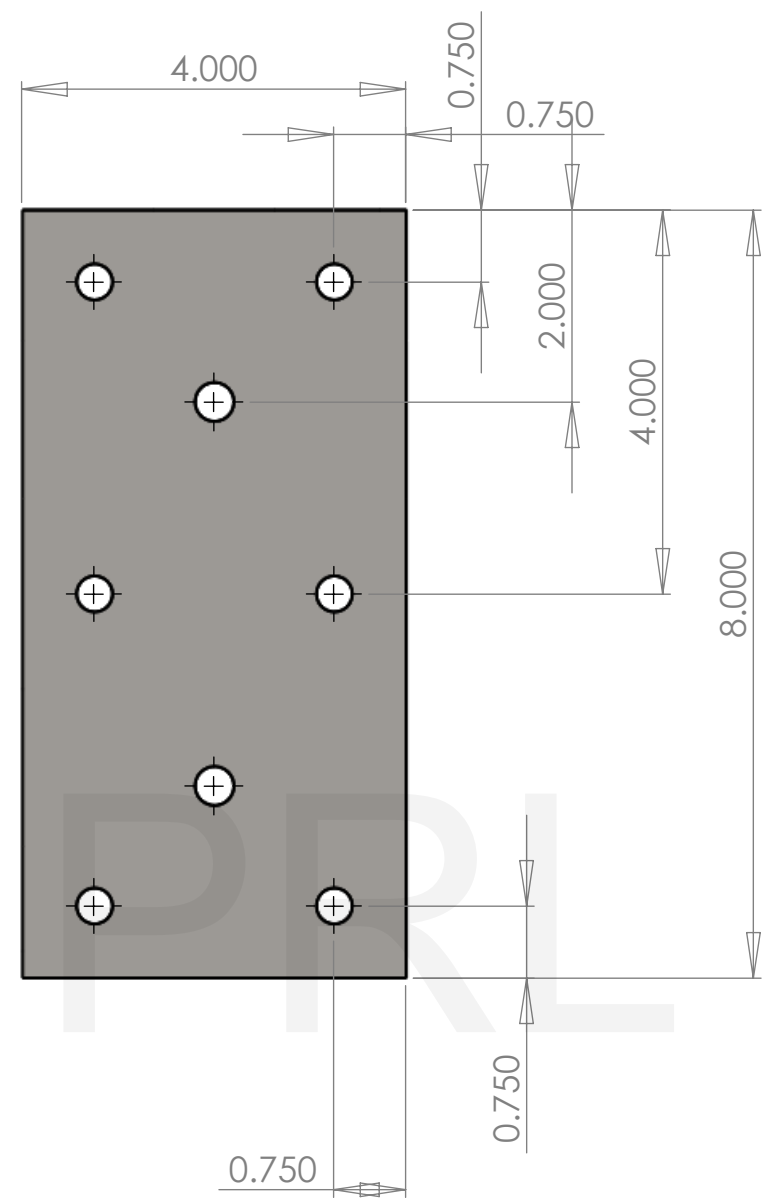


PRL GLASS

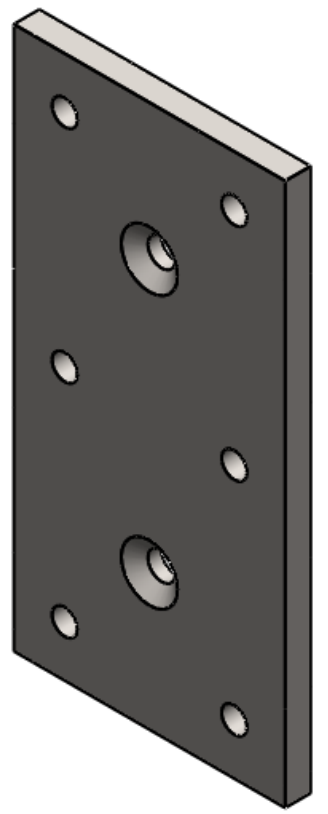
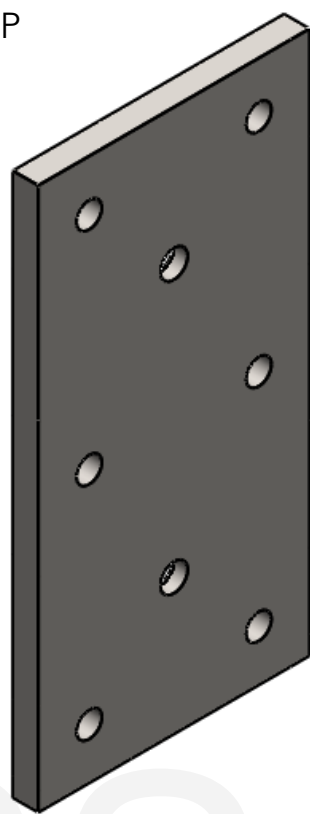
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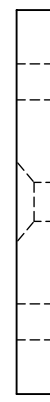


PLRSOB20-BP



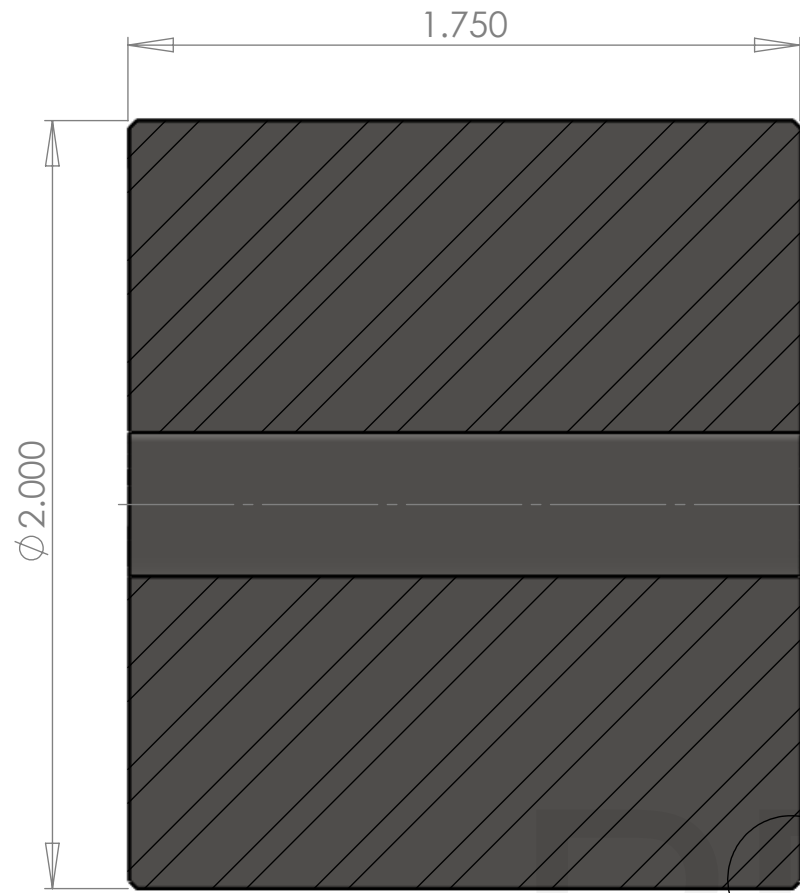
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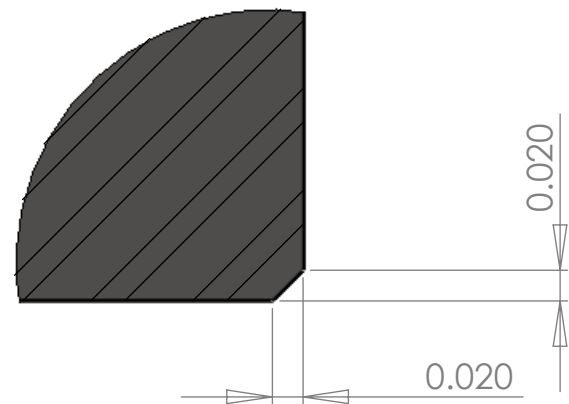
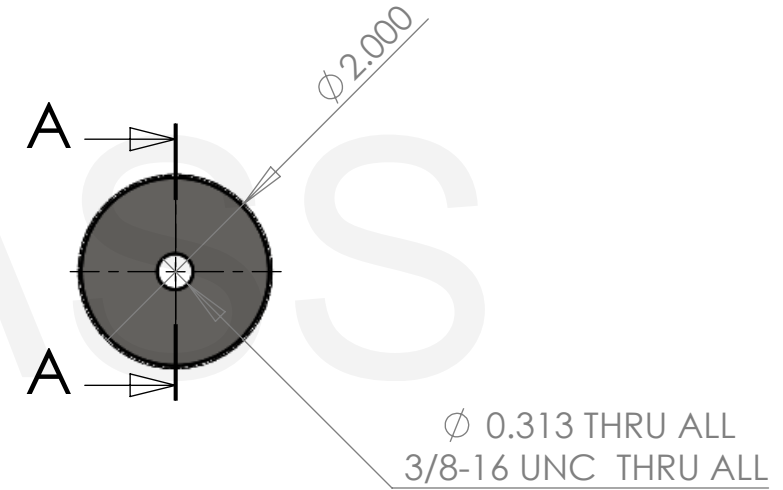
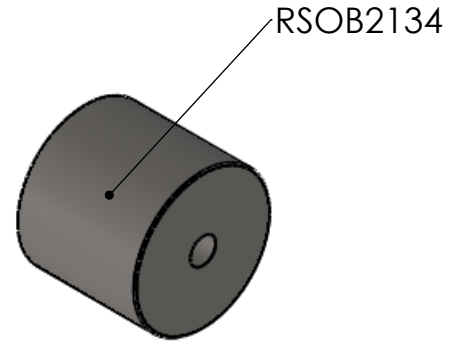


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		B	PLRSOB20		
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SECTION A-A
SCALE 2 : 1



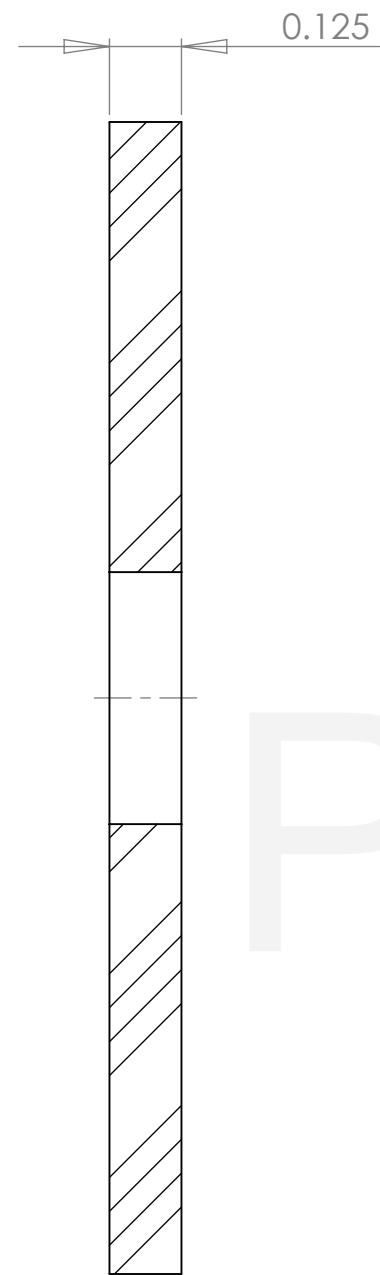
DETAIL B
SCALE 8 : 1

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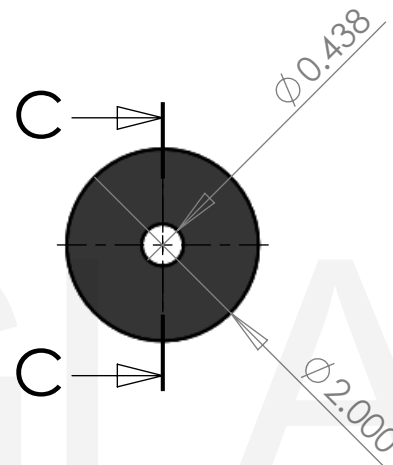
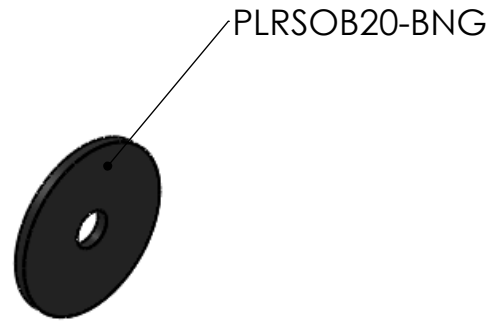
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SCALE: 1:2	WEIGHT:			SHEET 5 OF 10	

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SECTION C-C
SCALE 3 : 1



PRL GLASS

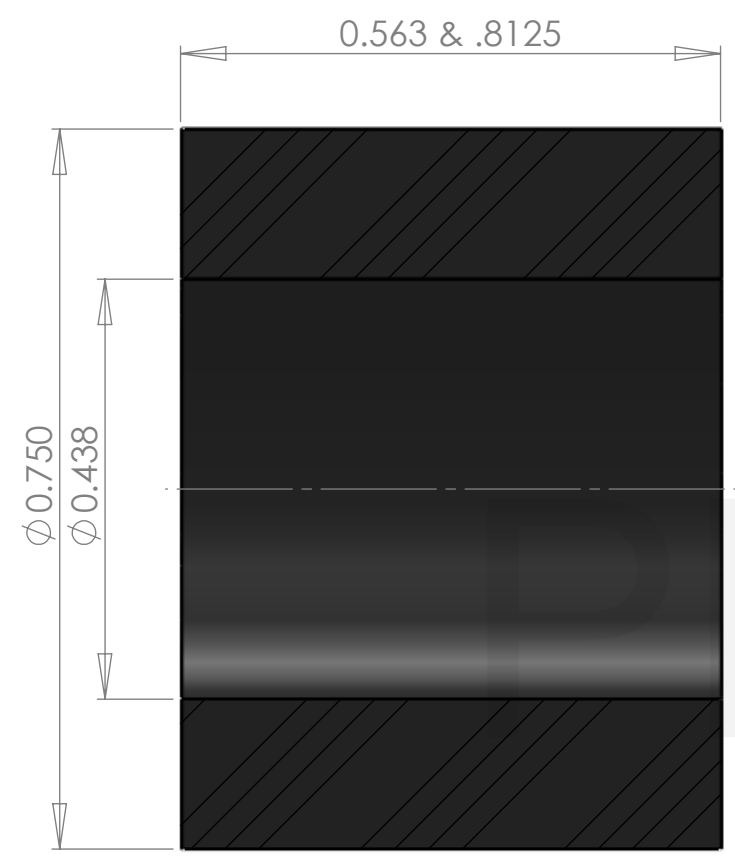
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SCALE: 1:2	WEIGHT:	SHEET 6 OF 10			

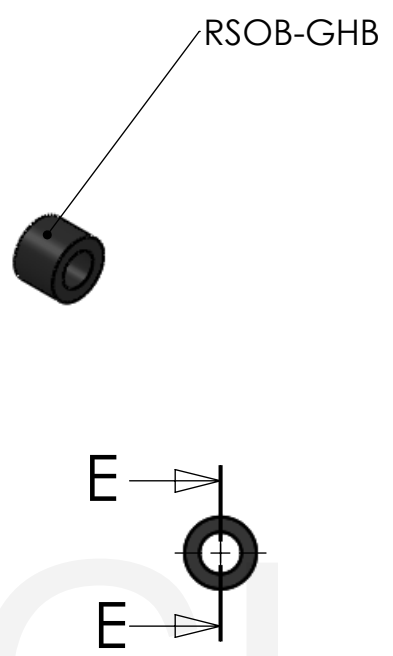
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SECTION E-E
SCALE 5 : 1



PRL GLASS

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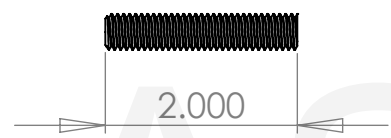
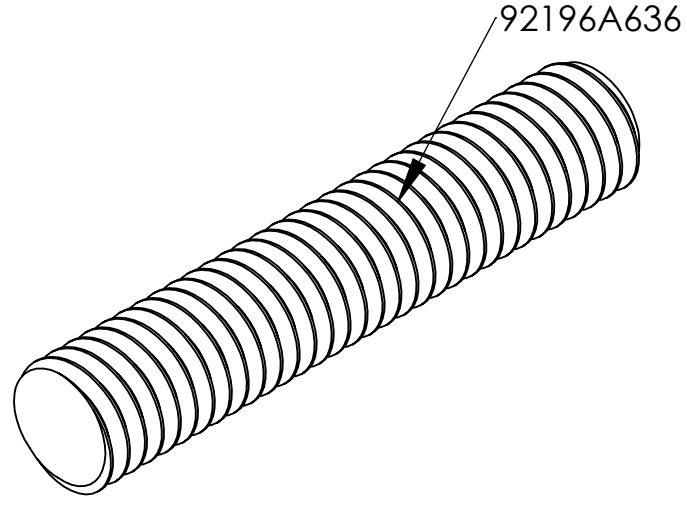
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APPLICATION		DO NOT SCALE DRAWING				

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PRL GLASS

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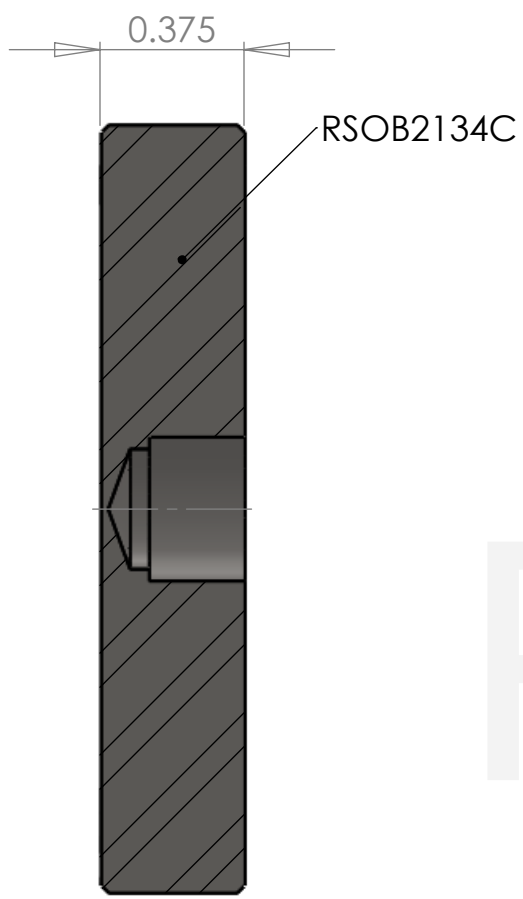
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		THREE PLACE DECIMAL ±	COMMENTS:			
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		MATERIAL				
NEXT ASSY	USED ON	FINISH				
APPLICATION		DO NOT SCALE DRAWING				

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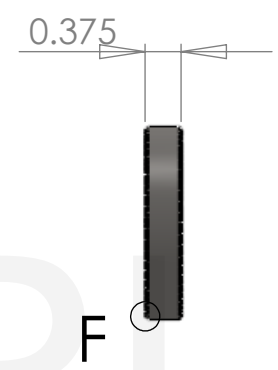
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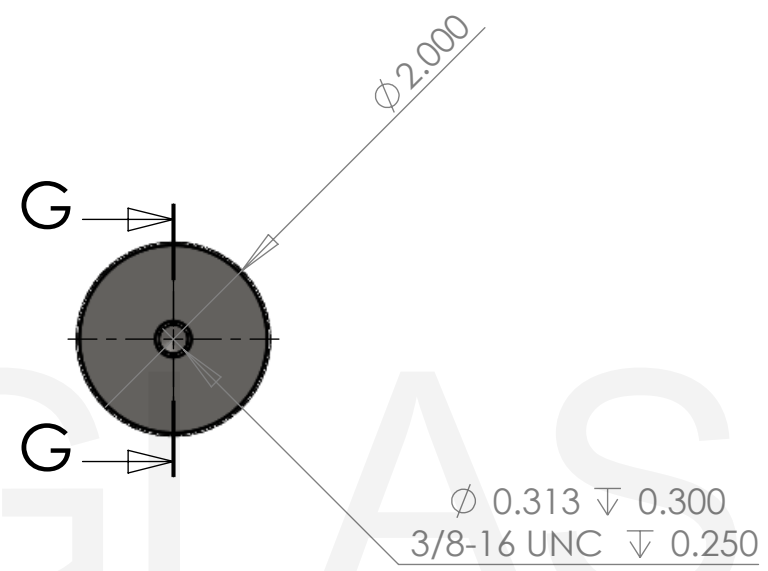
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SECTION G-G
SCALE 2 : 1



DETAIL F
SCALE 10 : 1

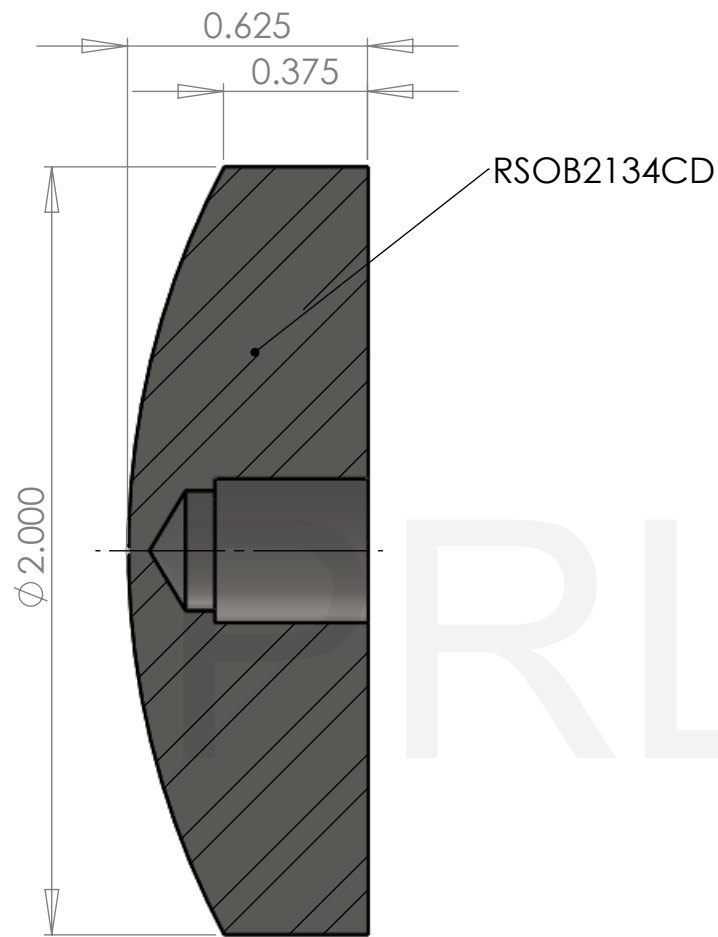


PRL GLASS

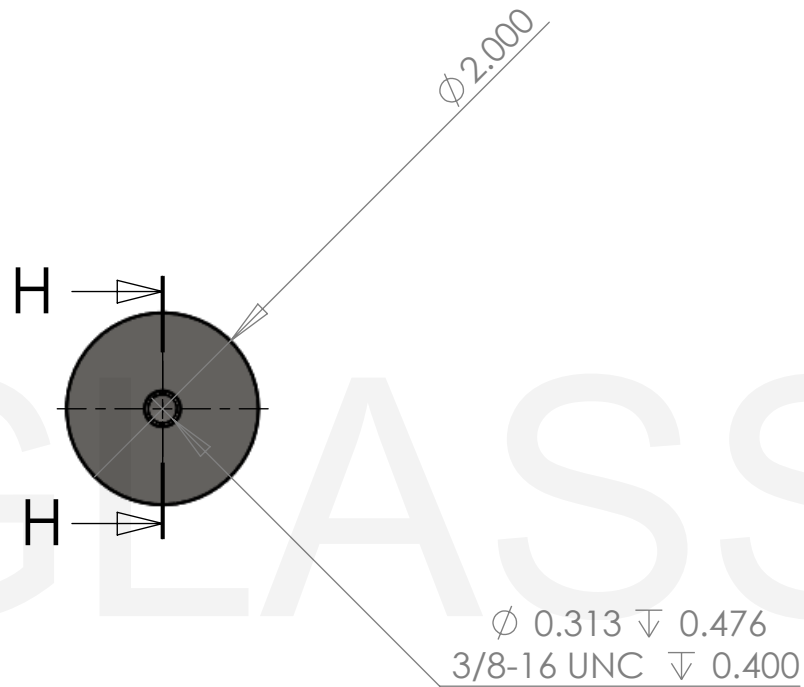
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NEXT ASSY	USED ON				
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SIZE	DWG. NO.			REV	
B	PLRSOB20				
SCALE: 1:2	WEIGHT:	SHEET 9 OF 10			

8 7 6 5 4 3 2 1



SECTION H-H
SCALE 2 : 1



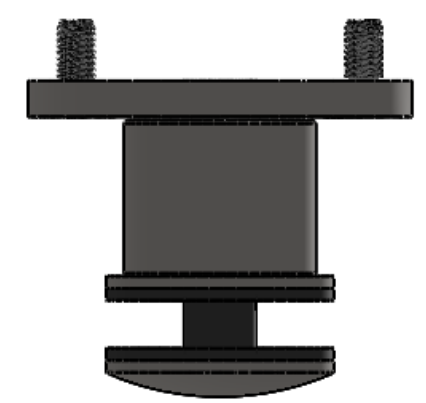
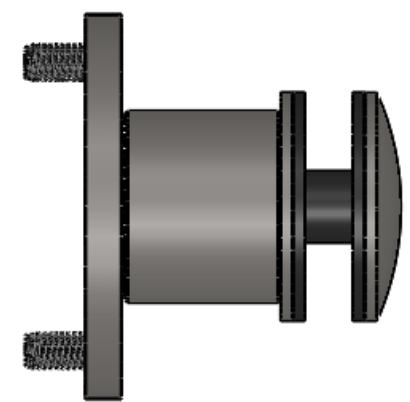
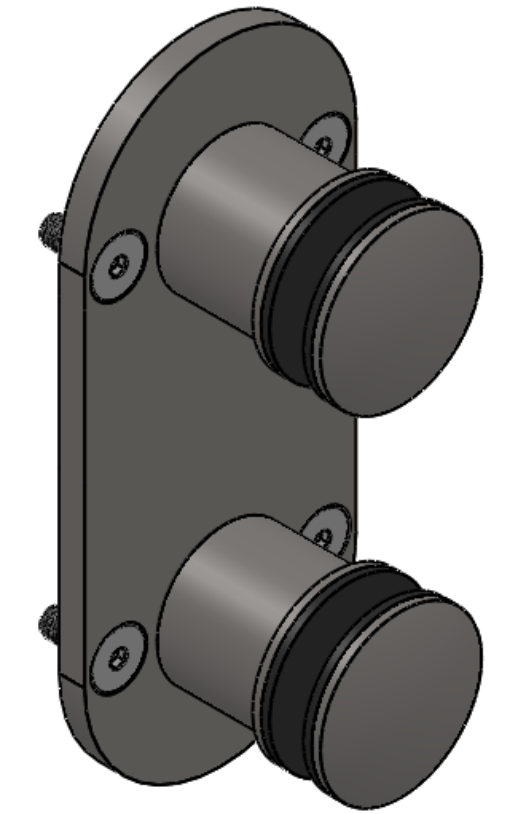
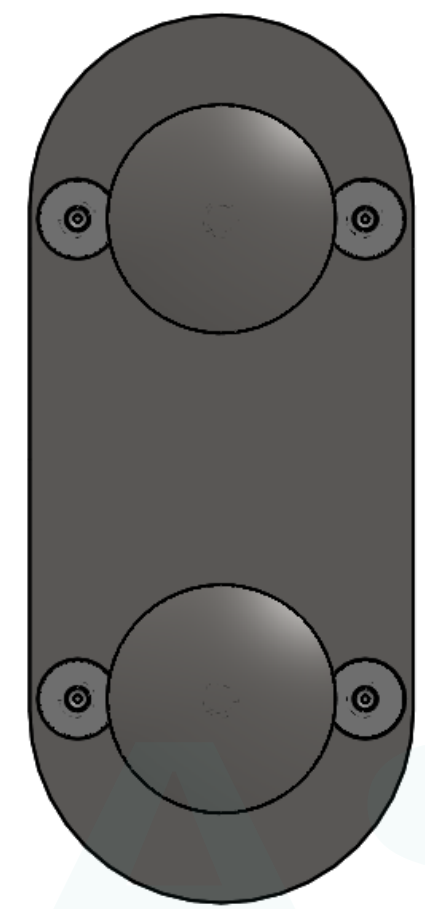
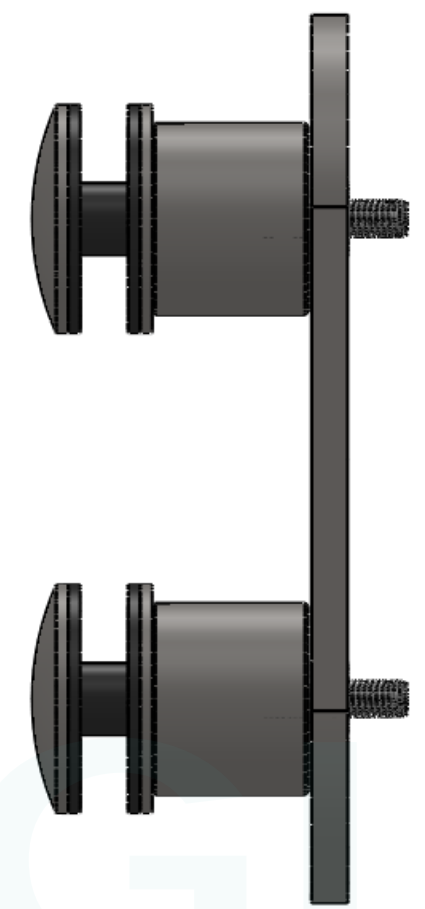
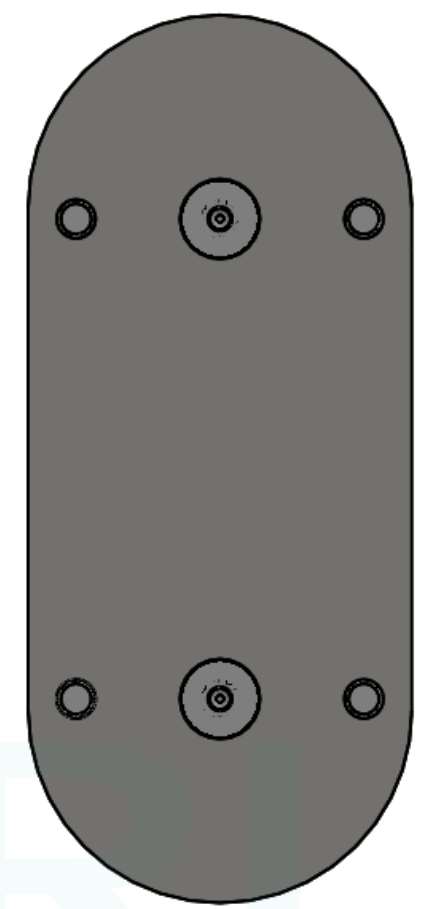
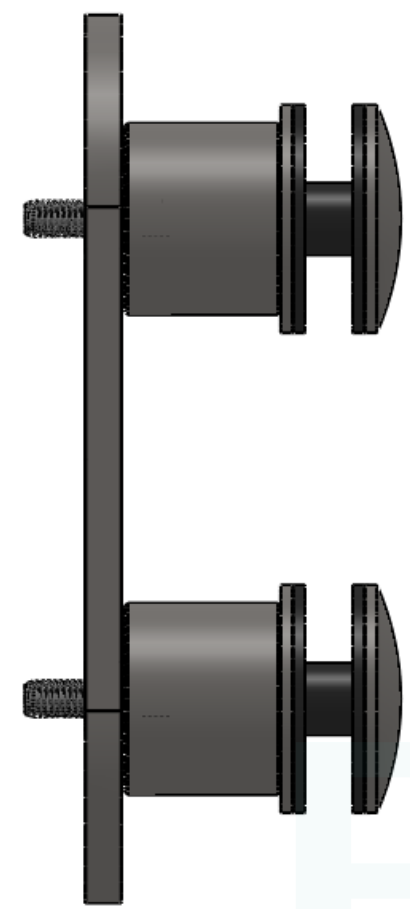
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		TWO PLACE DECIMAL ±	Q.A.			SIZE DWG. NO. REV
		THREE PLACE DECIMAL ±	COMMENTS:			
		INTERPRET GEOMETRIC TOLERANCING PER:				SCALE: 1:2 WEIGHT: SHEET 10 OF 10
		MATERIAL				
		FINISH				
NEXT ASSY	USED ON	DO NOT SCALE DRAWING				
APPLICATION						

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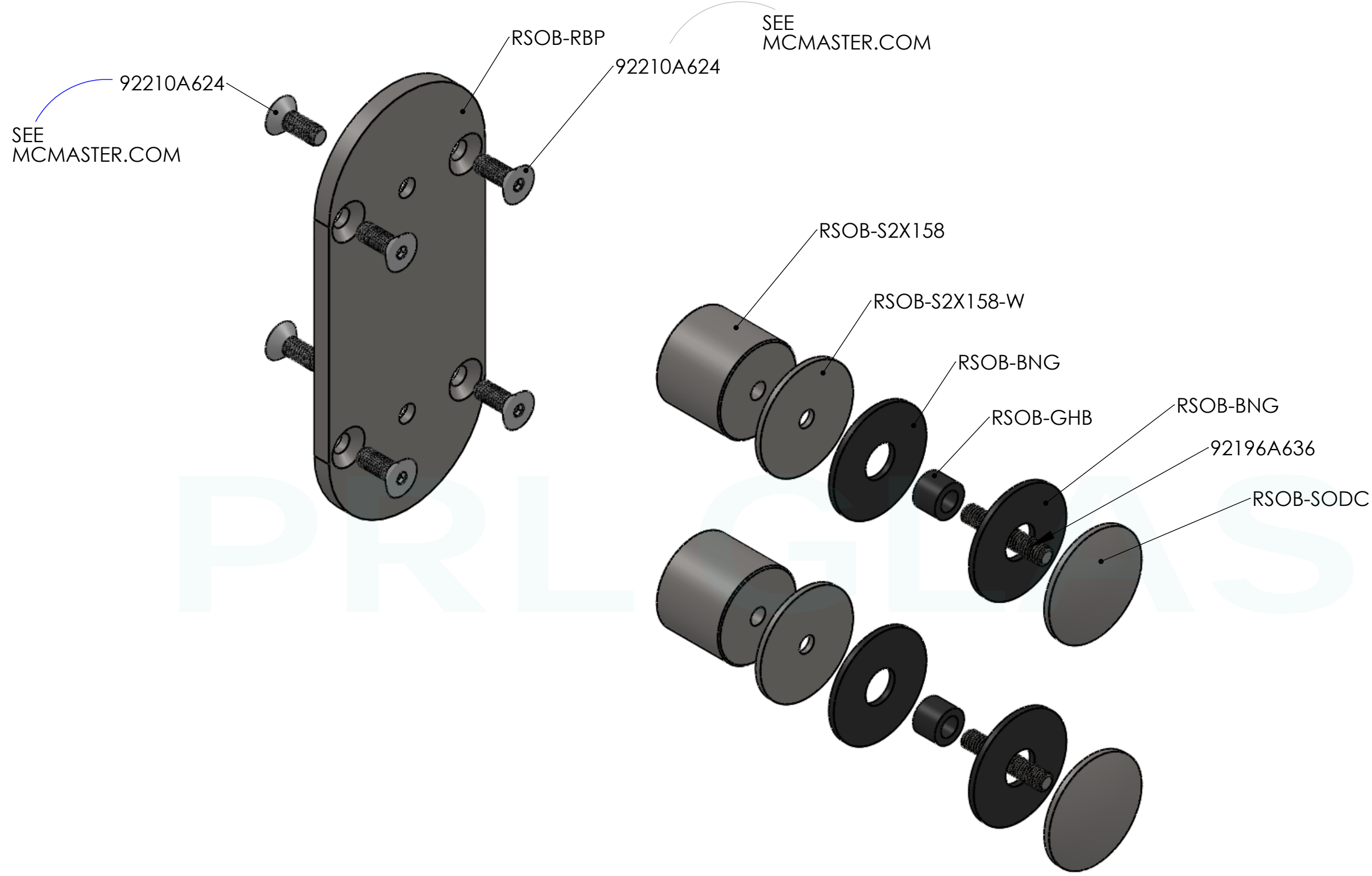
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN		
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			
			TITLE:		
SIZE	DWG. NO.	REV			
B	PLRSOB25				
SCALE: 1:2	WEIGHT:	SHEET 1 OF 9			

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MCMMASTER.COM

PRL GLASS

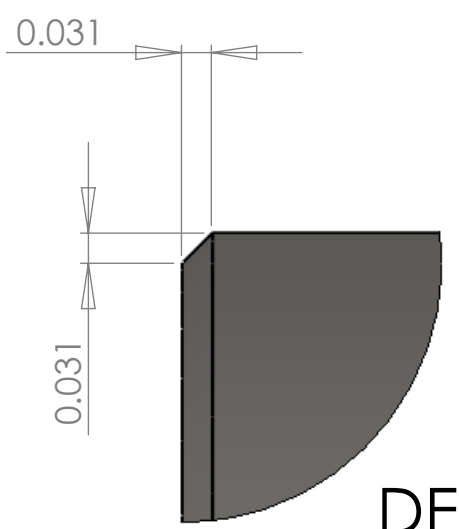
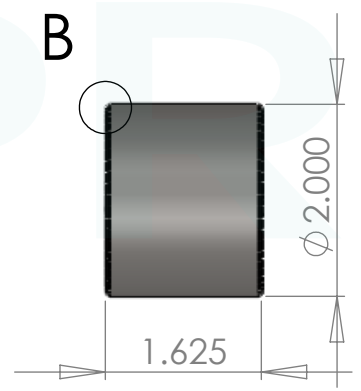
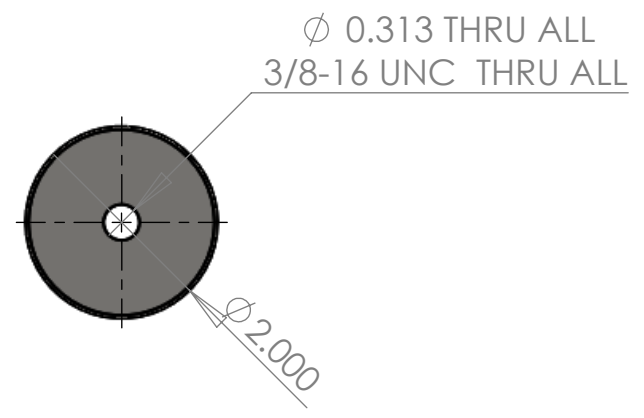
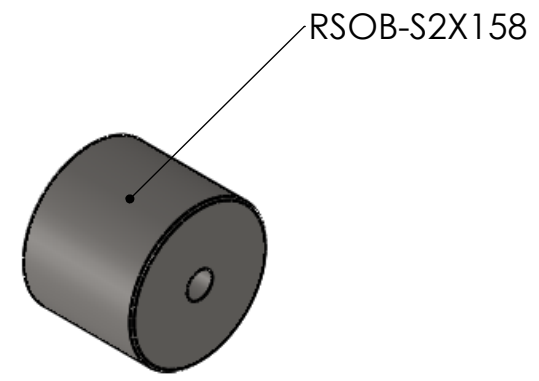
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		TOLERANCES:	CHECKED		
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		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			
			TITLE:		
SIZE	DWG. NO.	REV			
B	PLRSOB25				
SCALE: 1:2	WEIGHT:	SHEET 2 OF 9			

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DETAIL B
SCALE 5 : 1

PRL GLASS

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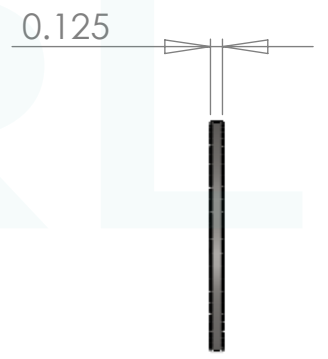
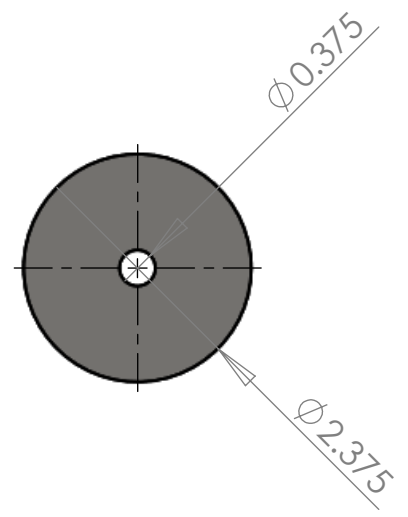
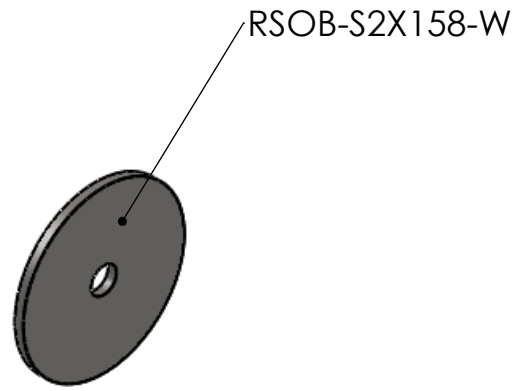
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		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			
			TITLE:		
			SIZE	DWG. NO.	REV
			B	PLRSOB25	
			SCALE: 1:2	WEIGHT:	SHEET 3 OF 9

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PRL GLASS

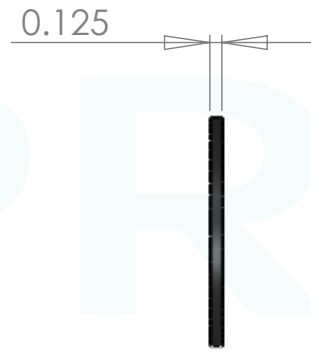
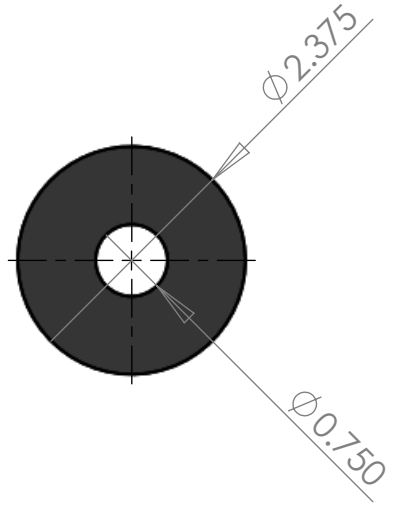
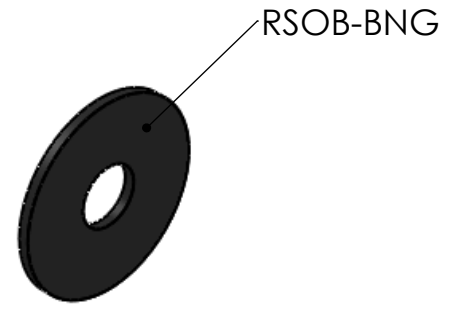
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		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			
			TITLE:		
SIZE	DWG. NO.	REV			
B	PLRSOB25				
SCALE: 1:2	WEIGHT:	SHEET 4 OF 9			

8 7 6 5 4 3 2 1

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PRL GLASS

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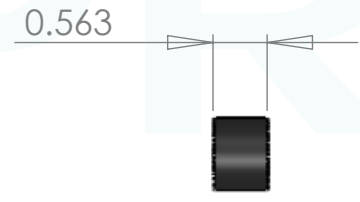
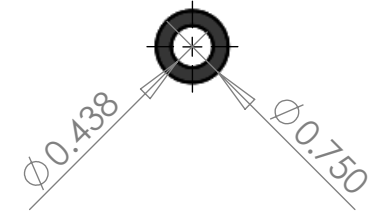
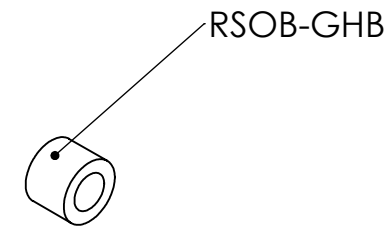
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		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			
			TITLE:		
			SIZE B	DWG. NO. PLRSOB25	REV
			SCALE: 1:2	WEIGHT:	SHEET 5 OF 9

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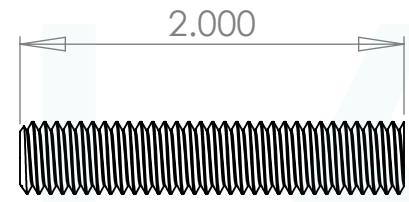
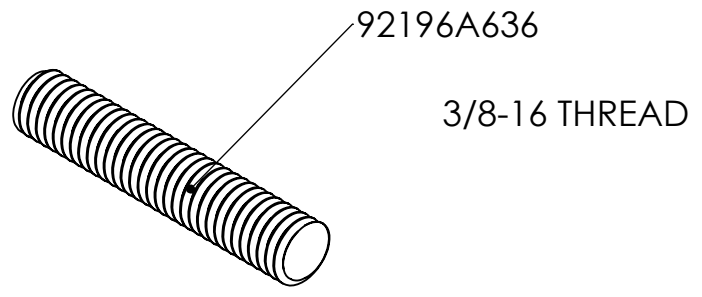


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		THREE PLACE DECIMAL ±	COMMENTS:			
		INTERPRET GEOMETRIC TOLERANCING PER:				SCALE: 1:2 WEIGHT: SHEET 6 OF 9
		MATERIAL				
NEXT ASSY	USED ON	FINISH				
APPLICATION		DO NOT SCALE DRAWING				

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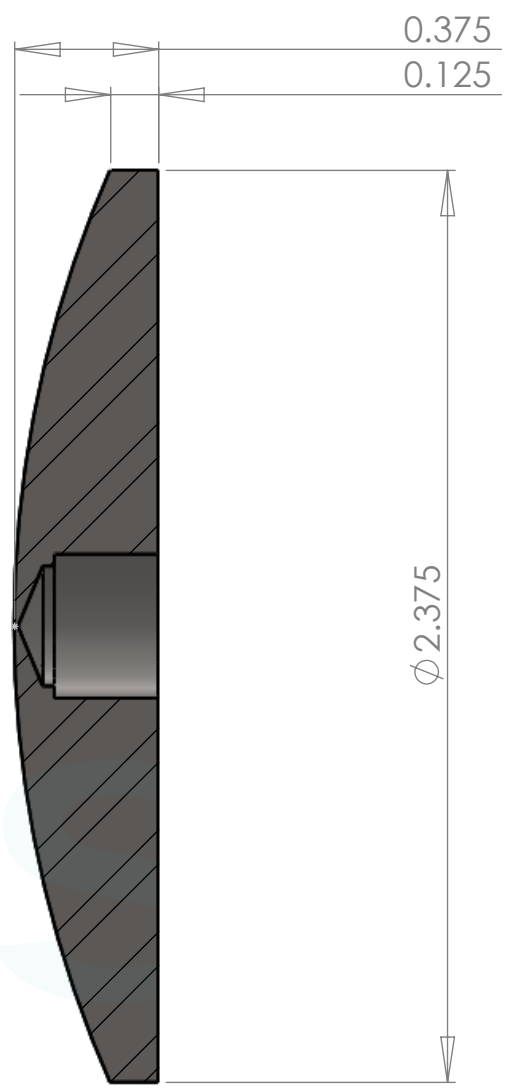
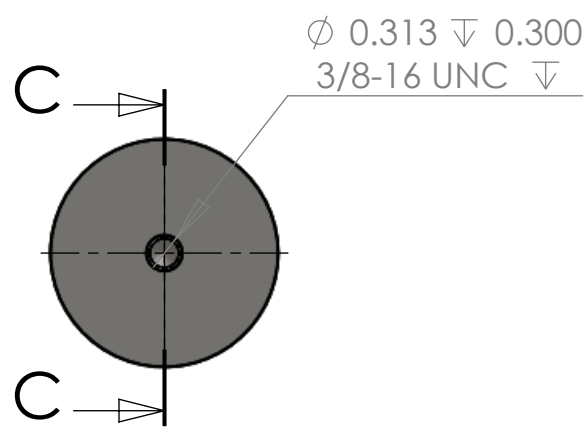
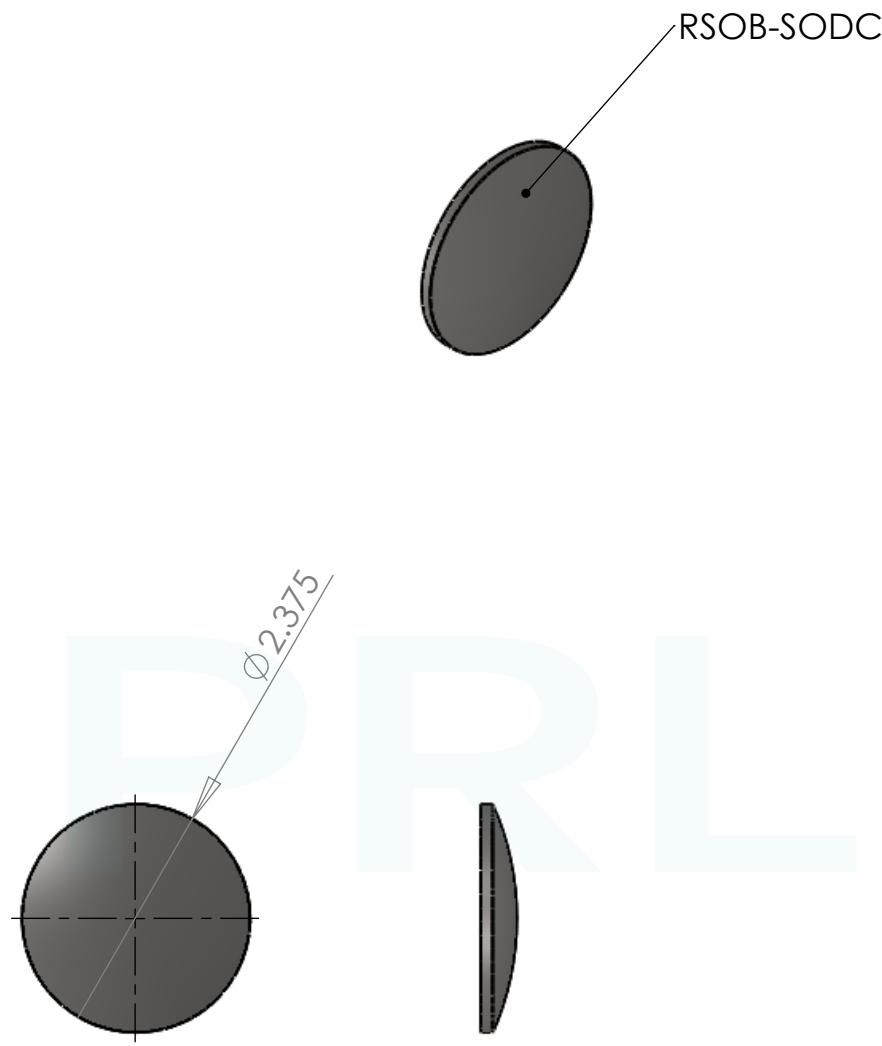
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		TWO PLACE DECIMAL ±	Q.A.			SIZE DWG. NO. REV B PLRSOB25
		THREE PLACE DECIMAL ±	COMMENTS:			
		INTERPRET GEOMETRIC TOLERANCING PER:				SCALE: 1:2 WEIGHT: SHEET 7 OF 9
		MATERIAL				
		FINISH				
NEXT ASSY	USED ON					
APPLICATION		DO NOT SCALE DRAWING				

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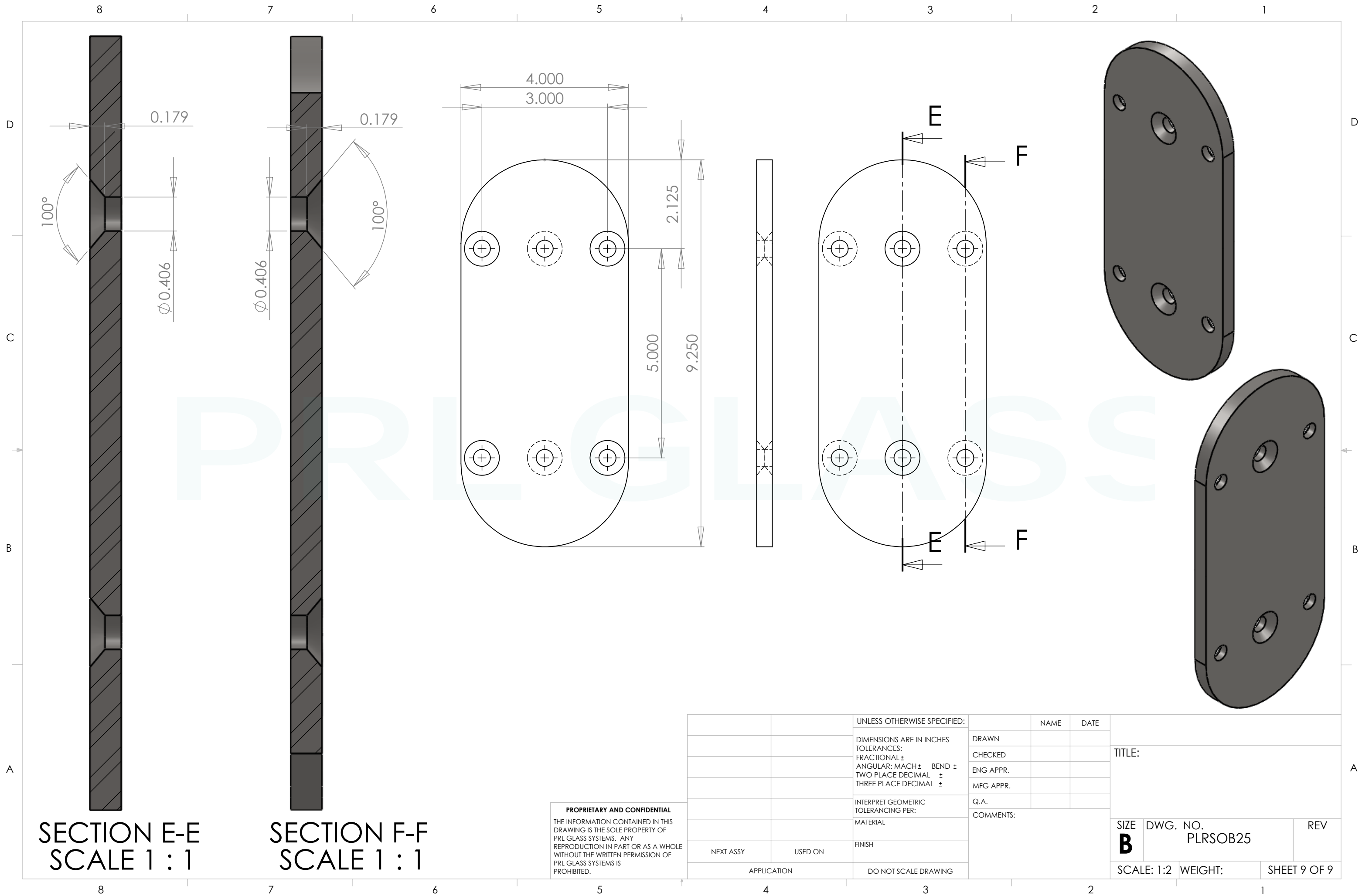


SECTION C-C
SCALE 2 : 1

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		TOLERANCES:	CHECKED		
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		THREE PLACE DECIMAL \pm	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			
			TITLE:		
SIZE	DWG. NO.	REV			
B	PLRSOB25				
SCALE: 1:2	WEIGHT:	SHEET 8 OF 9			

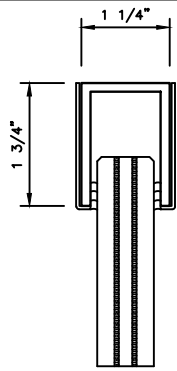


SECTION E-E
SCALE 1 : 1

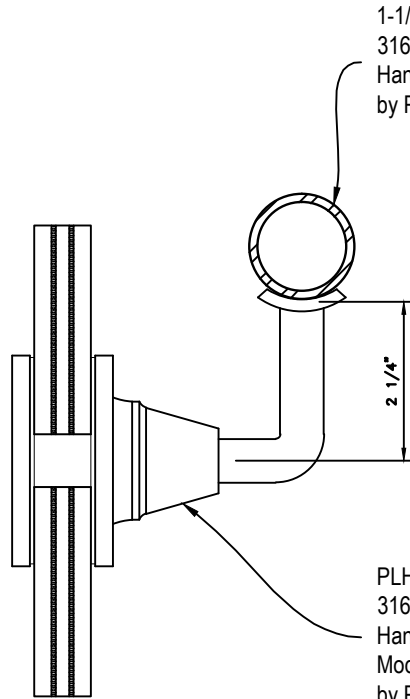
SECTION F-F
SCALE 1 : 1

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		ANGULAR: MACH ± BEND ±		MFG APPR.	
		TWO PLACE DECIMAL ±		Q.A.	
		THREE PLACE DECIMAL ±		COMMENTS:	
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			
				TITLE:	
SIZE	DWG. NO.			REV	
B	PLRSOB25				
SCALE: 1:2	WEIGHT:			SHEET 9 OF 9	



1-1/4 x 1-3/4
u-channel
(Clad)
by PRL Glass

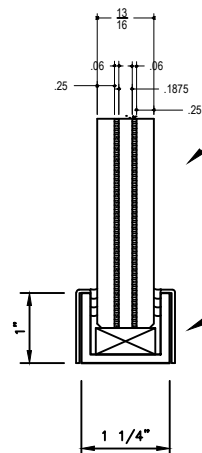


1-1/2" Dia.
316 Stainless steel
Handrail tube
by PRL Glass

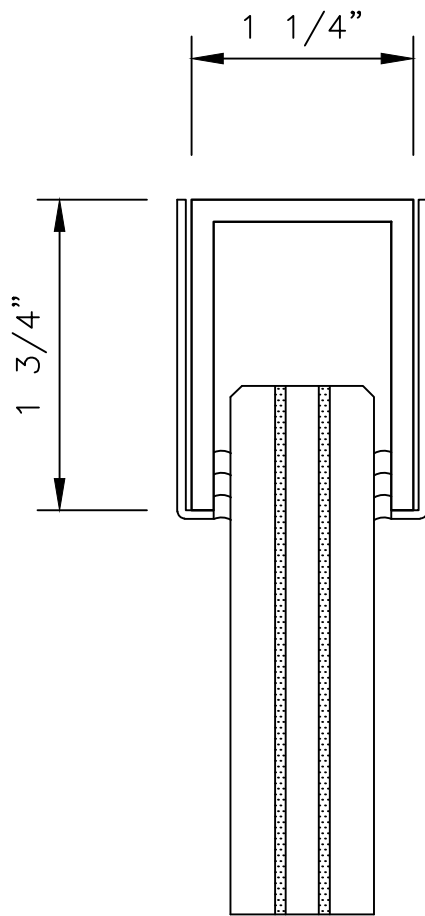
PLHR20XCG
316 Stainless steel
Handrail glass mount bracket
Modified for 13/16 glass
by PRL Glass

13/16 lami glass

make up:
1/4- clear temp
060 clear pvp
3/16- clear temp
060 clear pvb
1/4- clear temp
by PRL Glass



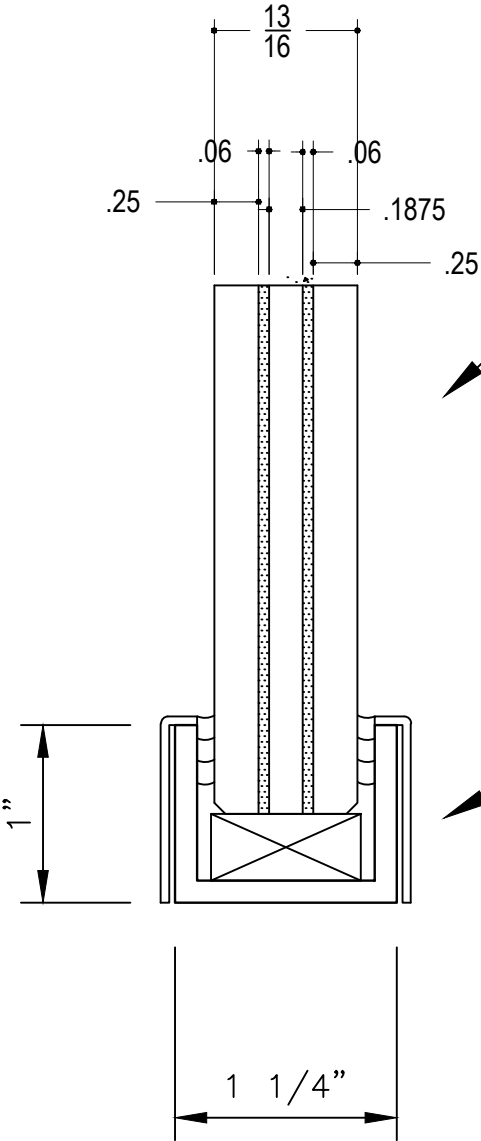
1-1/4 x 1
u-channel
(Clad)
by PRL Glass



1-1/4 x 1-3/4
u-channel
(Clad)
by PRL Glass

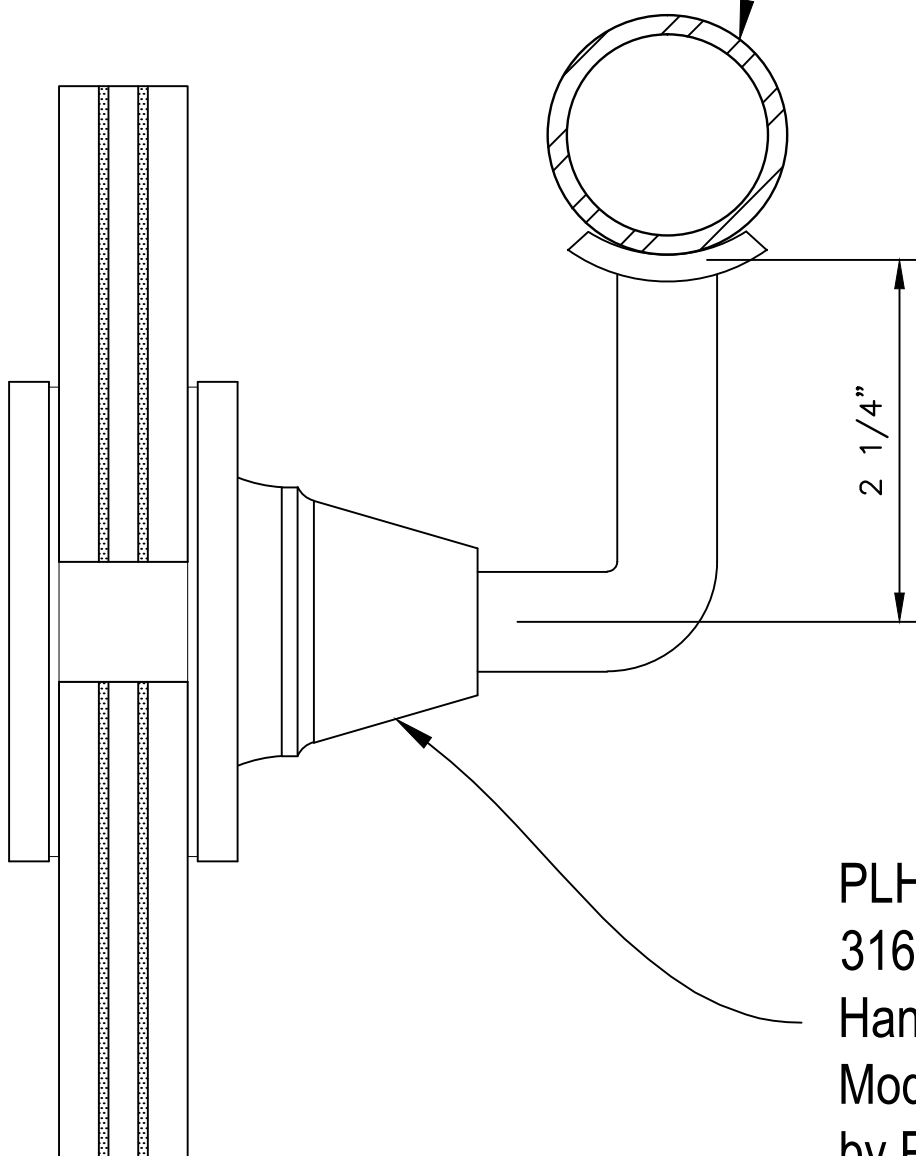
13/16 lami glass

make up:
1/4- clear temp
060 clear pvp
3/16- clear temp
060 clear pvb
1/4- clear temp
by PRL Glass



1-1/4 x 1
u-channel
(Clad)
by PRL Glass

1-1/2" Dia.
316 Stainless steel
Handrail tube
by PRL Glass



PLHR20XCG
316 Stainless steel
Handrail glass mount bracket
Modified for 13/16 glass
by PRL Glass