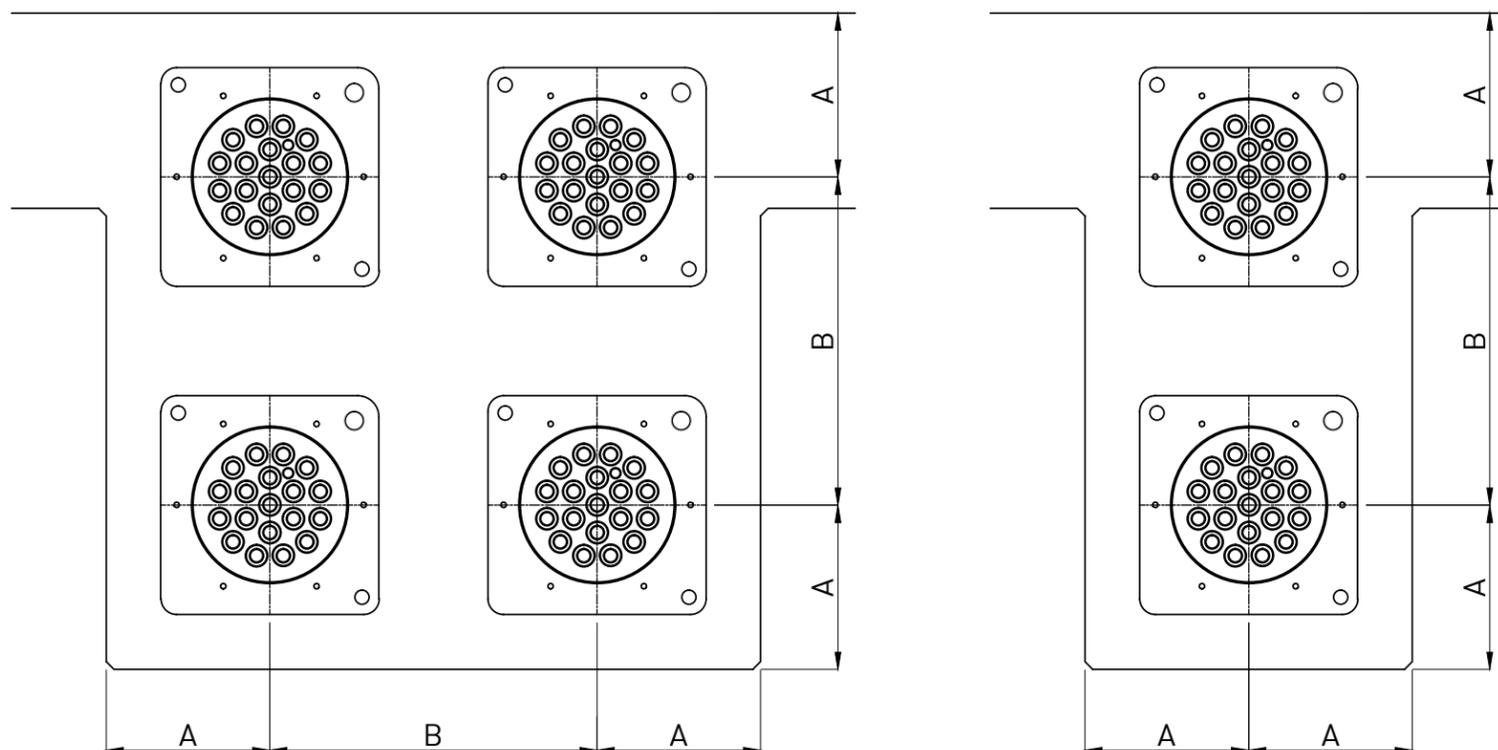
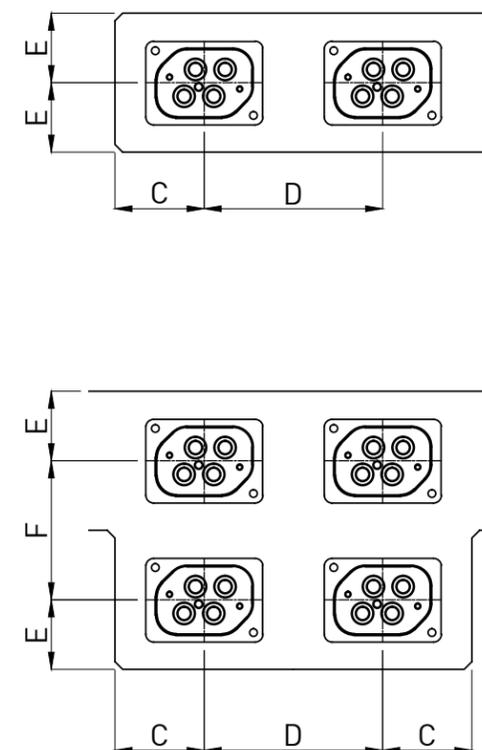


AMTS15 system



4APTS15 system

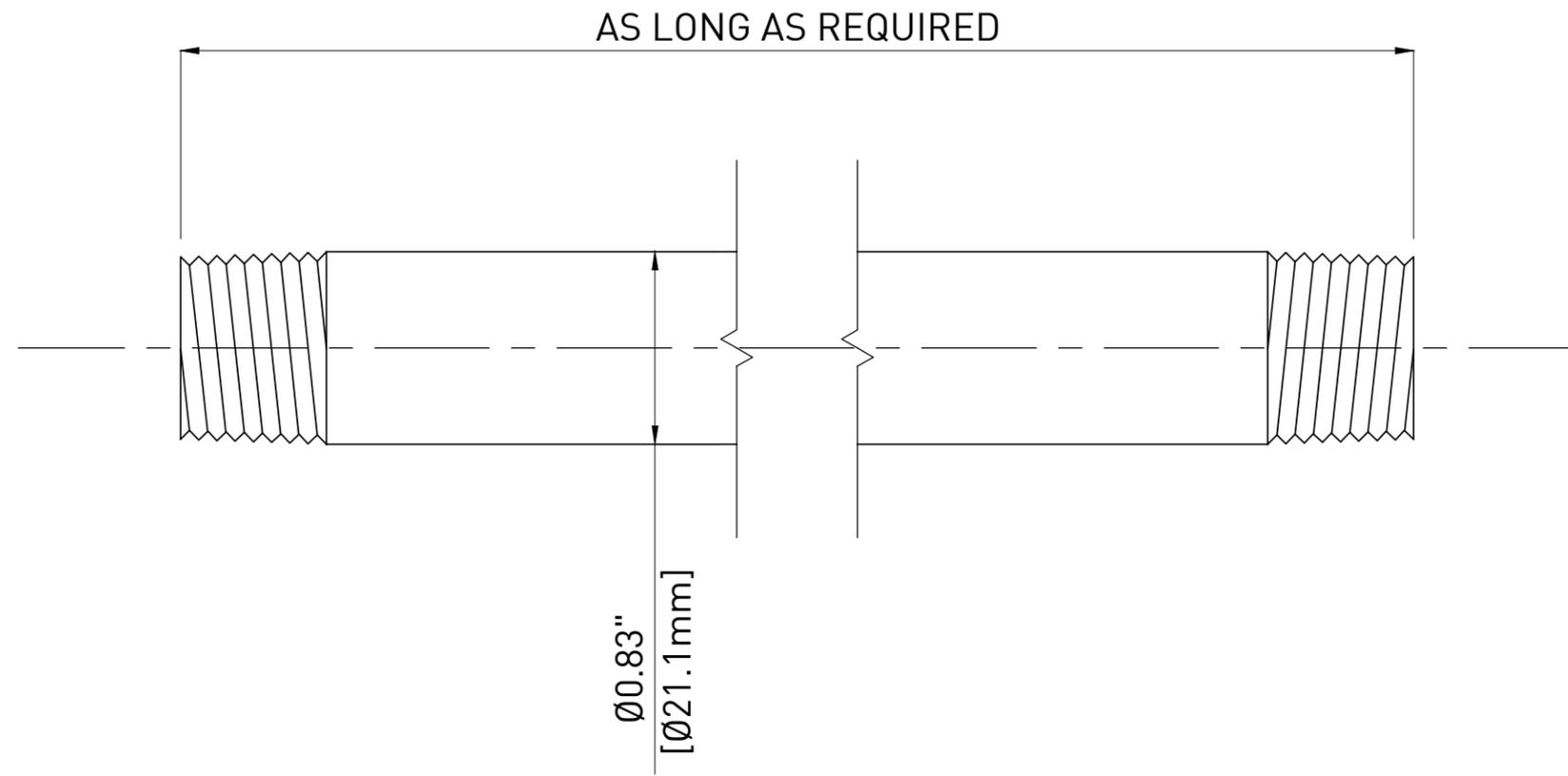


	CONCRETE CLASS f'_{ci} psi [MPa]	DISTANCES inch [mm]				
		4APTS	12AMTS	19AMTS	27AMTS	31AMTS
A	4000 [27.5]	-	8 1/2 [215]	10 1/4 [260]	11 3/4 [300]	12 5/8 [320]
	6500 [45]	-	6 7/8 [175]	8 1/4 [210]	9 7/8 [250]	10 1/4 [260]
B	4000 [27.5]	-	16 3/4 [425]	20 1/2 [520]	23 5/8 [600]	25 1/4 [640]
	6500 [45]	-	13 5/8 [345]	16 1/2 [420]	19 5/8 [500]	20 1/2 [520]
C	3500 [24]	5 1/2 [140]	-	-	-	-
	6500 [45]	4 1/2 [115]	-	-	-	-
D	3500 [24]	10 7/8 [275]	-	-	-	-
	6500 [45]	9 [230]	-	-	-	-
E	3500 [24]	4 1/8 [105]	-	-	-	-
	6500 [45]	3 1/2 [90]	-	-	-	-
F	3500 [24]	8 1/4 [210]	-	-	-	-
	6500 [45]	7 1/8 [180]	-	-	-	-

Material : -	Treatment : -
	Title : CENTER-TO-CENTER and EDGE-TO-CENTER DISTANCES for APTS/AMTS15 ANCHORS
	TENSA AMERICA LLC - www.tensaamerica.com - PHONE: +1 305-866-9917 1111 KANE CONCOURSE, S. TE 200 - BAY HARBOR ISLAND - 33154 FL
Date : 05/18/2017	Dimensions : INCH [mm] mm FOR REFERENCE ONLY
Part # : 00-00-00	
Code : -	

0	05/18/17	First issue	L.C.	T.C.
Rev.	Date	Description	Drawn	Checked

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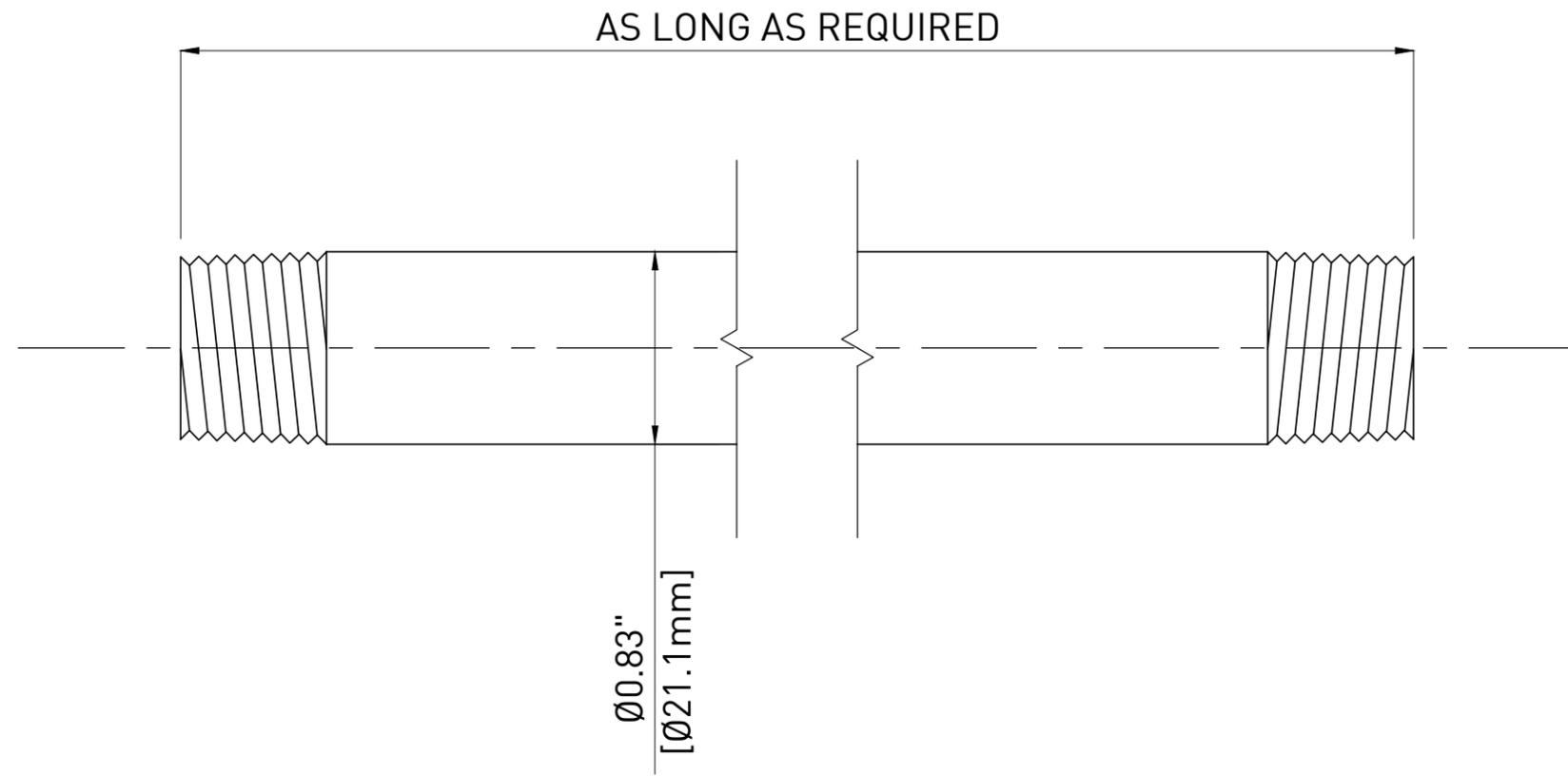


NOTE:

- This drawing is not intended for manufacturing purposes;
- Special order;
- 150 psi rated;
- Temporary item

Rev.	Date	Description	Drawn	Checked
0	07/18/16	First issue	F.M.	T.C.

Material : SCHEDULE 80 PVC		Treatment : -	
		Title : LASCO Fittings Inc. 1/2" NPT PIPE NIPPLE	
		TENZA AMERICA LLC - www.tensaamerica.com - PHONE: +1 305-866-9917 1111 KANE CONCOURSE, S.TE 200 - BAY HARBOR ISLAND - 33154 FL	
Date : 07/18/2016	Dimensions : ^{INCH [mm]} _{mm} FOR REFERENCE ONLY	Drawn : F.MORAGLIA	Checked : T.CICCONE
Date : 07/18/2016		Part # : 00-01-03-P	Code : 205060
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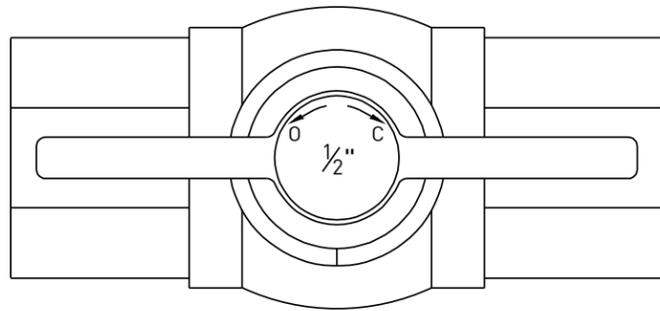


NOTE:

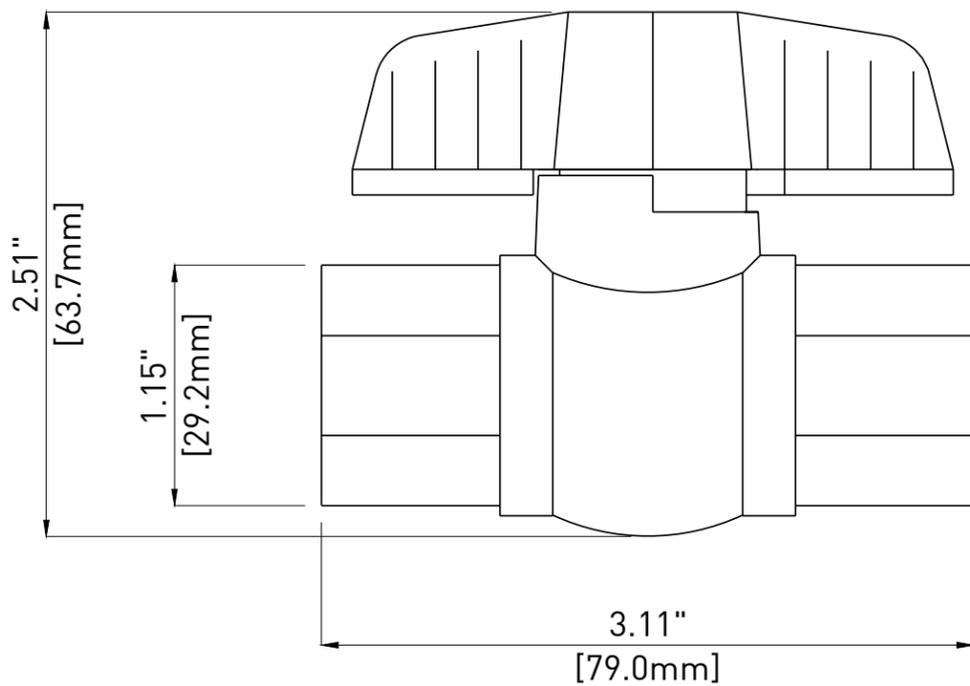
- This drawing is not intended for manufacturing purposes;
- Special order;
- 150 psi rated;
- Temporary item

Rev.	Date	Description	Drawn	Checked
0	07/18/16	First issue	L.C.	T.C.

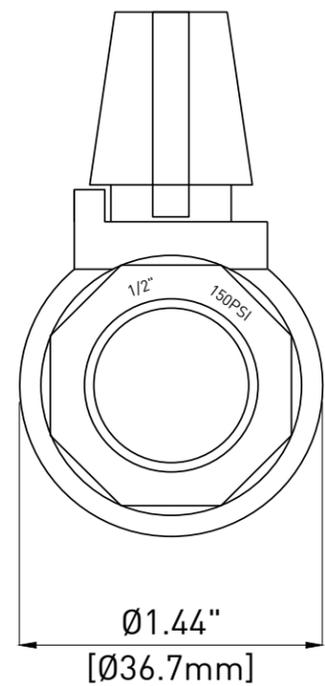
Material : SCHEDULE 40 STEEL		Treatment : -	
		Title : 1/2" NPT PIPE NIPPLE	
		TENZA AMERICA LLC - www.tensaamerica.com - PHONE: +1 305-866-9917 1111 KANE CONCOURSE, S.TE 200 - BAY HARBOR ISLAND - 33154 FL	
Date : 07/18/2016	Dimensions : ^{INCH [mm]} mm FOR REFERENCE ONLY	Drawn : L.CIVATI	Checked : T.CICCONE
Date : 07/18/2016		Part # : 00-01-03-M	Code : -
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TOP VIEW



SIDE VIEW

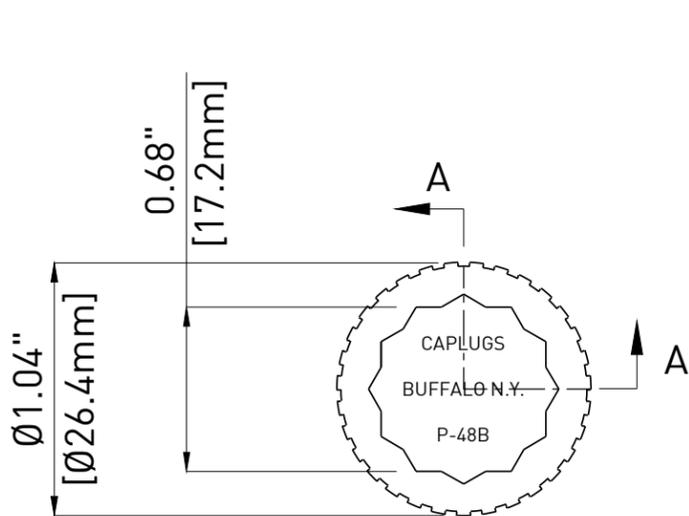


FRONT VIEW

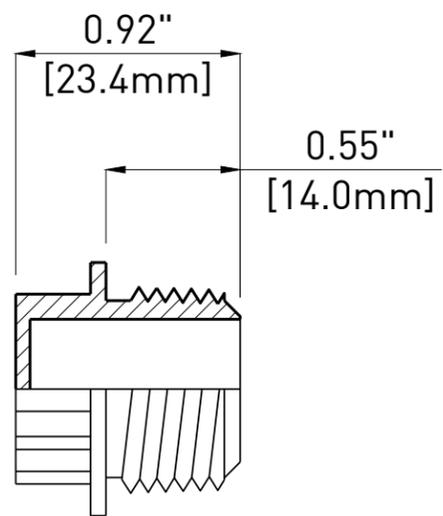
NOTE:

- This drawing is not intended for manufacturing purposes;
- All dimensions are measured;
- 150 psi rated;
- Temporary item

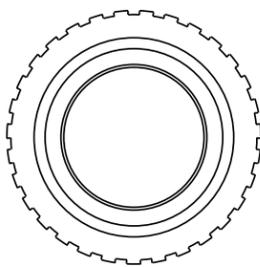
0	07/18/16	First issue	L.C.	T.C.
Rev.	Date	Description	Drawn	Checked
Material : SCHEDULE 40 PVC		Treatment : -		
		Title : Mueller Streamline Co. 1/2" NPT BALL VALVE coupling with 1/2" NPT PIPE NIPPLE 00-01-03		
TENZA AMERICA LLC - www.tensaamerica.com - PHONE: +1 305-866-9917 1111 KANE CONCOURSE, S.TE 200 - BAY HARBOR ISLAND - 33154 FL		Drawn : L.CIVATI	Checked : T.CICCONE	
Date : 07/18/2016	Dimensions : <small>INCH [mm]</small> <small>mm FOR REFERENCE ONLY</small>	Part # : 00-01-04	Code : 107-133	
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TOP VIEW



SECTION A-A

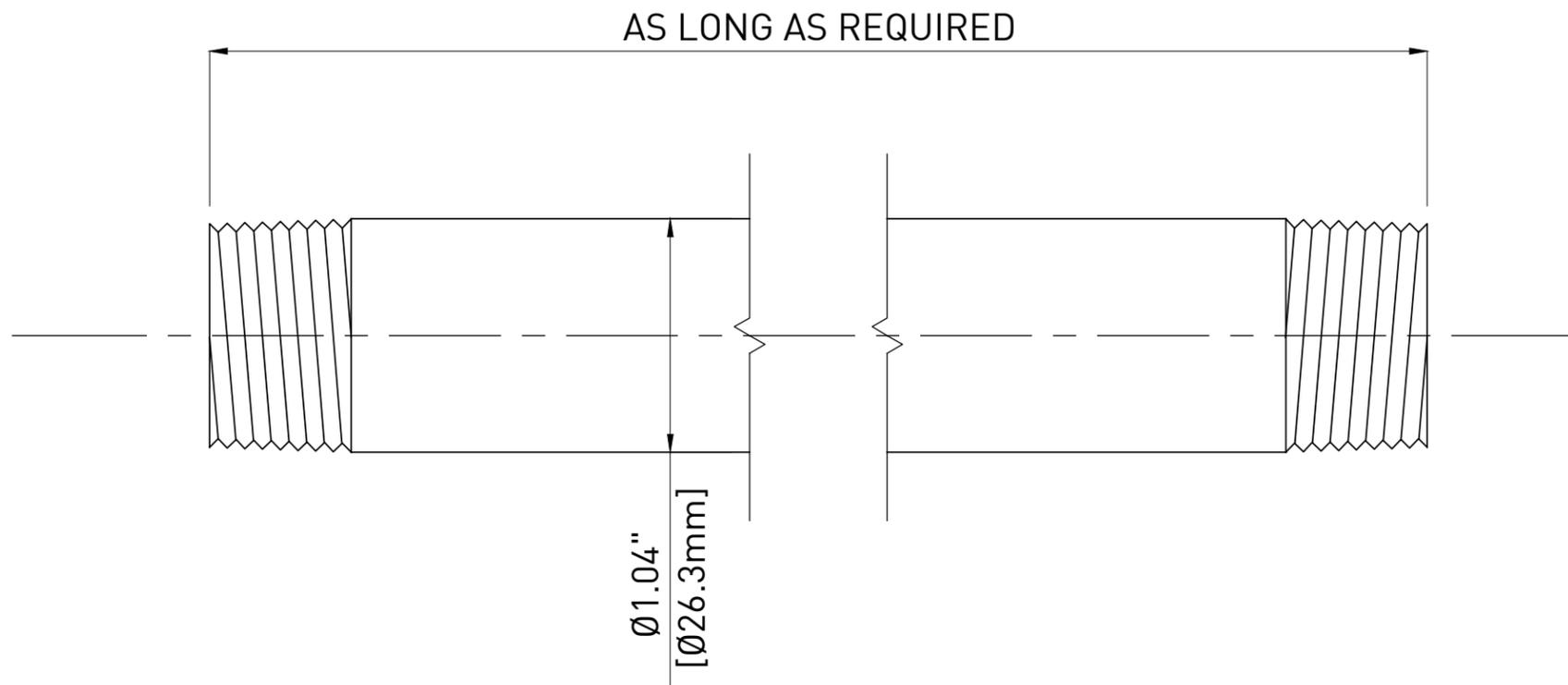


BOTTOM VIEW

NOTE:

- This drawing is not intended for manufacturing purposes;
- All dimensions are measured;
- 150 psi rated

0	07/20/16	First issue	L.C.	T.C.
Rev.	Date	Description	Drawn	Checked
Material : High Density Polyethylene- according to ASTM D3350		Treatment : -		
		Title : CAPPLUGS (Buffalo N.Y.) 1/2" NPT PLUG for PROTECTION CAP		
TENSA AMERICA LLC - www.tensaamerica.com - PHONE: +1 305-866-9917 1111 KANE CONCOURSE, S.TE 200 - BAY HARBOR ISLAND - 33154 FL		Drawn : L.CIVATI	Checked : T.CICCONE	
Date : 07/20/2016	Dimensions : ^{INCH [mm]} mm FOR REFERENCE ONLY	Part # : 00-01-05	Code : P-48B	
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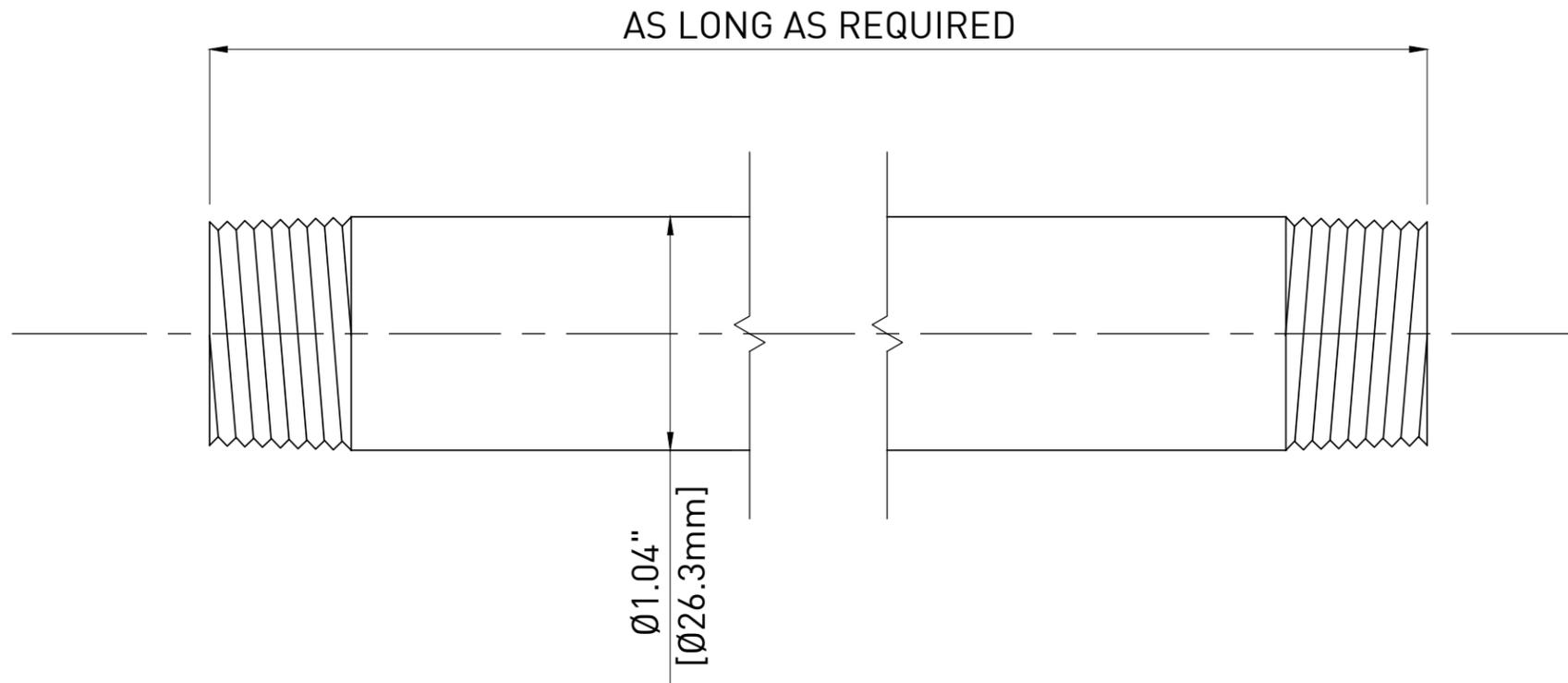


NOTE:

- This drawing is not intended for manufacturing purposes;
- Special order;
- 150 psi rated;
- Temporary item

Rev.	Date	Description	Drawn	Checked
0	07/18/16	First issue	F.M.	T.C.

Material : SCHEDULE 80 PVC		Treatment : -	
 <small>TENSA AMERICA LLC - www.tensaamerica.com - PHONE: +1 305-866-9917 1111 KANE CONCOURSE, S. TE 200 - BAY HARBOR ISLAND - 33154 FL</small>		Title : LASCO Fittings Inc. 3/4" NPT PIPE NIPPLE	
		Drawn : F.MORAGLIA	Checked : T.CICCONE
Date : 07/18/2016	Dimensions : <small>INCH [mm] mm FOR REFERENCE ONLY</small>	Part # : 00-03-01-P	Code : 207060
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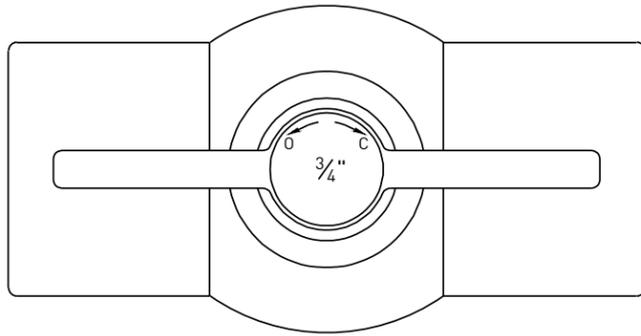


NOTE:

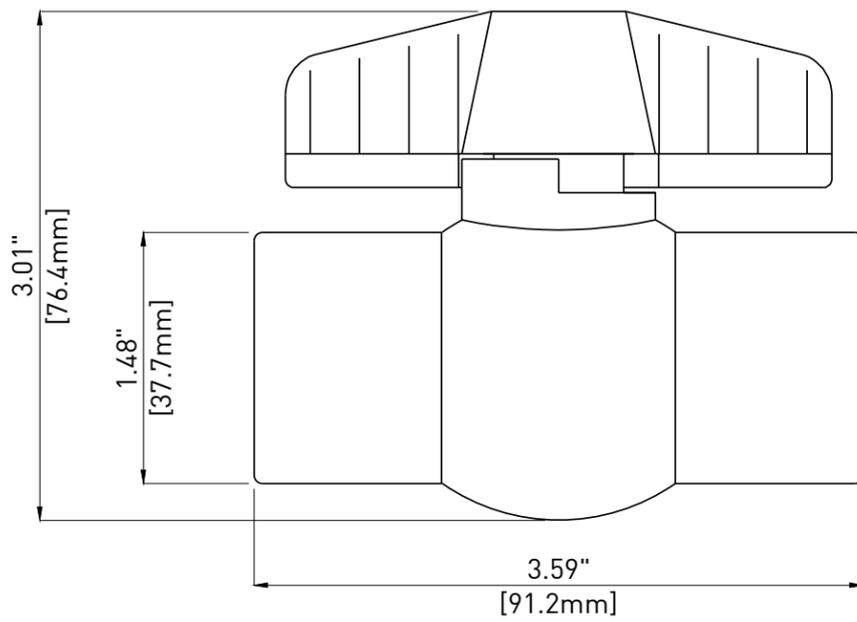
- This drawing is not intended for manufacturing purposes;
- Special order;
- 150 psi rated;
- Temporary item

Rev.	Date	Description	Drawn	Checked
0	07/18/16	First issue	L.C.	T.C.

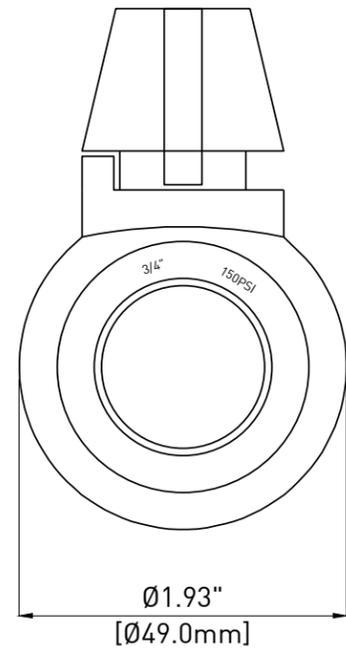
Material : SCHEDULE 40 STEEL		Treatment : -	
		Title : 3/4" NPT PIPE NIPPLE	
		TENZA AMERICA LLC - www.tensaamerica.com - PHONE: +1 305-866-9917 1111 KANE CONCOURSE, S.TE 200 - BAY HARBOR ISLAND - 33154 FL	
Date : 07/18/2016	Dimensions : ^{INCH [mm]} _{mm} FOR REFERENCE ONLY	Drawn : L.CIVATI	Checked : T.CICCONE
Date : 07/18/2016		Part # : 00-03-01-M	Code : -
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TOP VIEW



SIDE VIEW

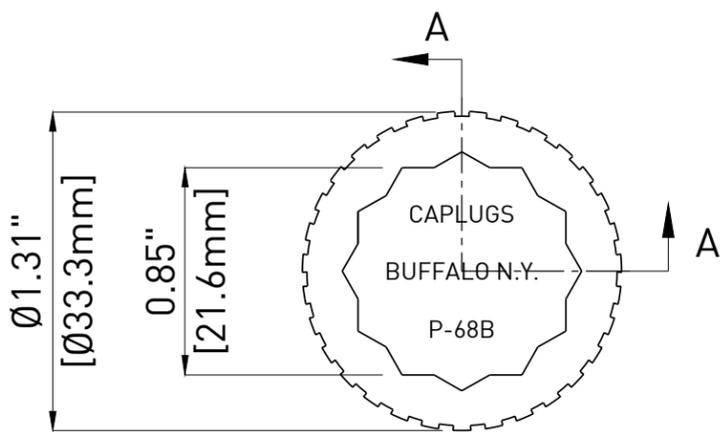


FRONT VIEW

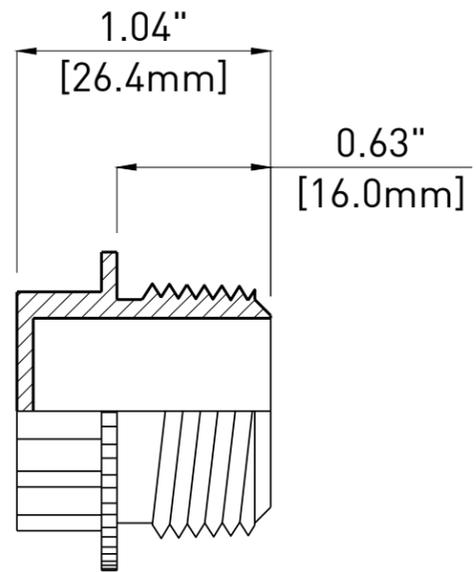
NOTE:

- This drawing is not intended for manufacturing purposes;
- All dimensions are measured;
- 150 psi rated;
- Temporary item

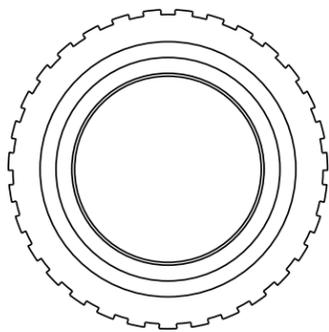
Rev.	Date	Description	Drawn	Checked
0	07/18/16	First issue	L.C.	T.C.
Material : SCHEDULE 40 PVC		Treatment : -		
		Title : Mueller Streamline Co. 3/4" NPT BALL VALVE coupling with 3/4" NPT PIPE NIPPLE 00-03-01		
TENZA AMERICA LLC - www.tensaamerica.com - PHONE: +1 305-866-9917 1111 KANE CONCOURSE, S.TE 200 - BAY HARBOR ISLAND - 33154 FL		Drawn : L.CIVATI	Checked : T.CICCONE	
Date : 07/18/2016	Dimensions : <small>INCH [mm]</small> <small>mm FOR REFERENCE ONLY</small>	Part # : 00-03-02	Code : 107-134	
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TOP VIEW



SECTION A-A

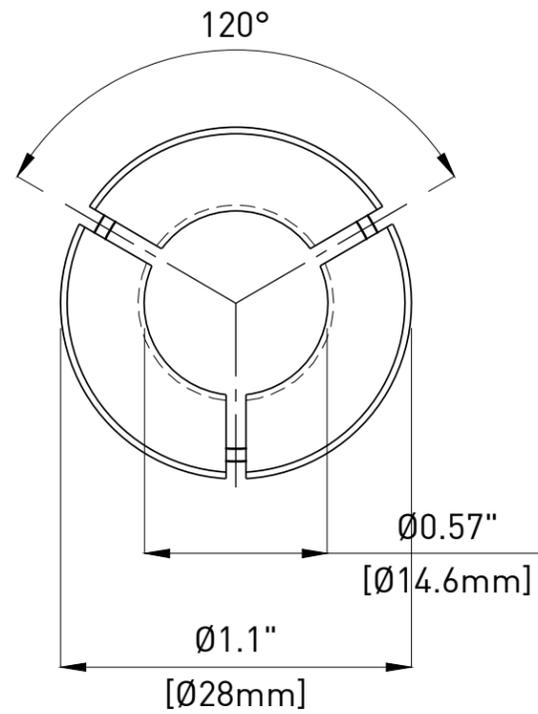


BOTTOM VIEW

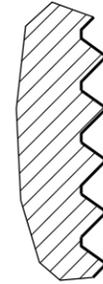
NOTE:

- This drawing is not intended for manufacturing purposes;
- All dimensions are measured;
- 150 psi rated

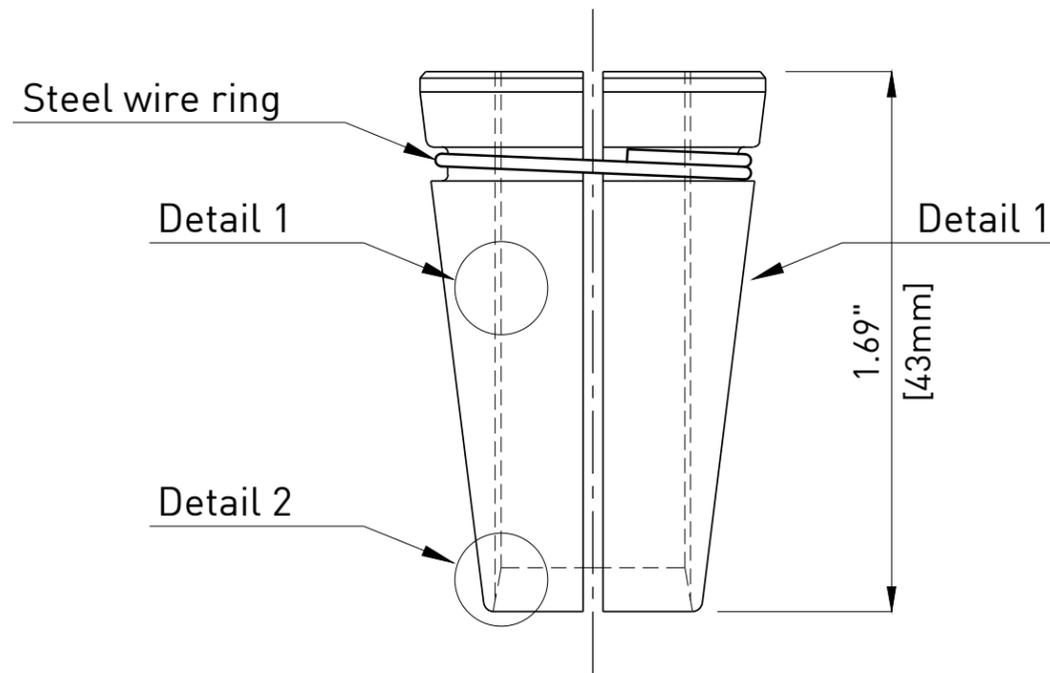
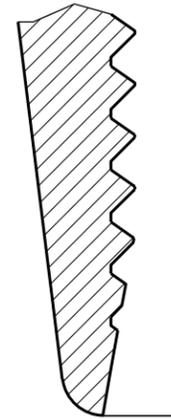
0	07/20/16	First issue	L.C.	T.C.
Rev.	Date	Description	Drawn	Checked
Material : High Density Polyethylene- according to ASTM D3350			Treatment : -	
		Title : CAPLUGS (Buffalo N.Y.) 3/4" NPT PLUG for ANCHOR		
TENSA AMERICA LLC - www.tensaamerica.com - PHONE: +1 305-866-9917 1111 KANE CONCOURSE, S.TE 200 - BAY HARBOR ISLAND - 33154 FL		Drawn : L.CIVATI	Checked : T.CICCONE	
Date : 07/20/2016	Dimensions : ^{INCH [mm]} mm FOR REFERENCE ONLY	Part # : 00-03-03	Code : P-68B	
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DETAIL 1



DETAIL 2



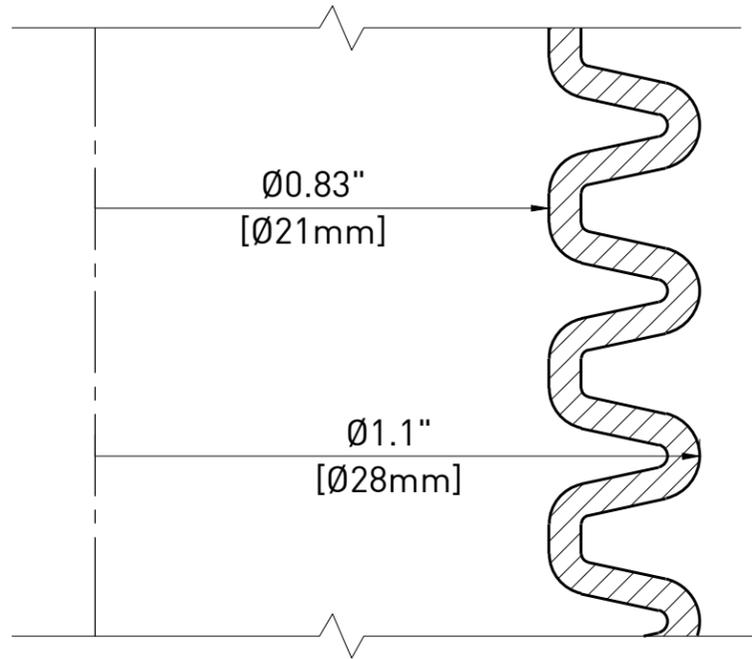
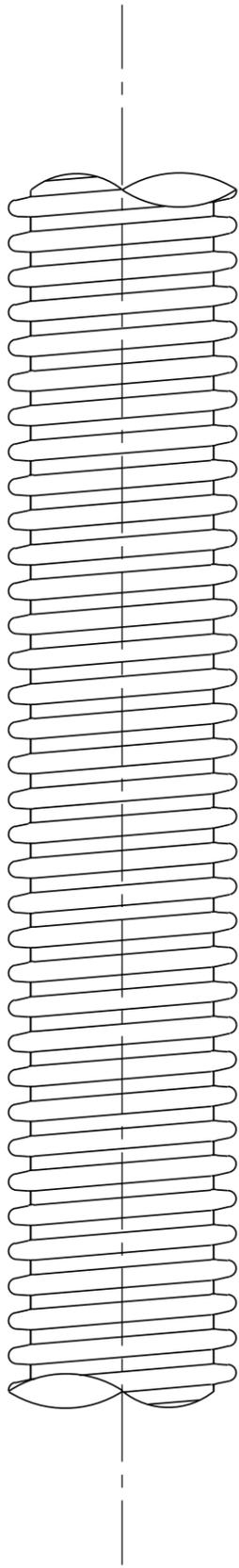
NOTE:

- NO stamped marking: traceability given on delivering boxes

Material : Steel AISI 12L14 - according to ASTM A108		Treatment : Carburizing +Tempering + Stress Relieving	
		Title : 3-PARTS WEDGE	
		Tensa America LLC - www.tensaamerica.com - PHONE: +1 305-866-9917 1111 KANE CONCOURSE, S.TE 200 - BAY HARBOR ISLAND - 33154 FL	Drawn : F.MORAGLIA Checked : T.CICCONE
Date : 07/21/2016	Dimensions : <small>INCH [mm]</small> <small>mm FOR REFERENCE ONLY</small>	Part # : 00-04-00	Code : -

Rev.	Date	Description	Drawn	Checked
0	07/21/16	First issue	F.M.	T.C.

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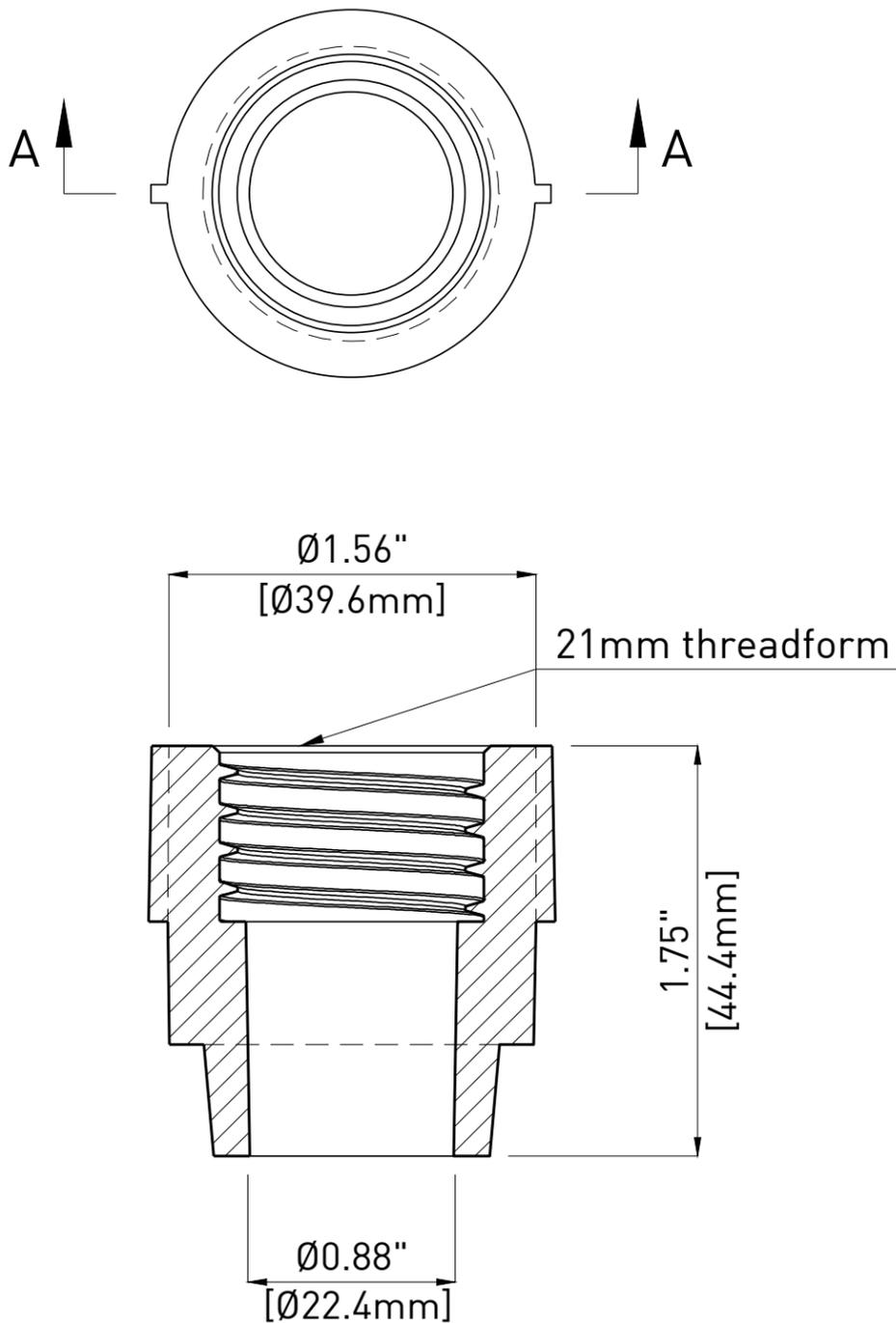


DETAIL

NOTE:

- This drawing is not intended for manufacturing purposes;
- All dimensions are measured;
- 150 psi rated

0	07/21/16	First issue	L.C.	T.C.
Rev.	Date	Description	Drawn	Checked
Material : Polyethylene - according to ASTM D3350		Treatment : -		
		Title : GTI 21mm HOSE for PT SYSTEM		
TENZA AMERICA LLC - www.tensaamerica.com - PHONE: +1 305-866-9917 1111 KANE CONCOURSE, S.TE 200 - BAY HARBOR ISLAND - 33154 FL		Drawn : L.CIVATI	Checked : T.CICCONE	
Date : 07/21/2016	Dimensions : <small>INCH [mm] mm FOR REFERENCE ONLY</small>	Part # : 00-07-03	Code : 220044	
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SECTION A-A

INSTALLATION

Preparing the Hole

1. Mark the corrugated duct with the location of the Grout Port.
2. Drill a 7/8" (22mm) hole in the duct.
3. Clean hole and Grout Port.

Preparing the Socket Welding Device

4. Confirm that Socket Welding Device is cool and unplugged.
5. Mount correct adapter on Socket Welding Device.
6. Place Socket Welding Device in the cradle.
7. Connect the Socket Welding Device to the power source.
8. Allow to Socket Welding Device to reach its working temperature.

The Welding Process

9. Simultaneously, insert male adapter of Socket Welding Device into drilled hole and place Grout Port into female adapter.
10. Apply light pressure for 20 – 25 seconds by pushing the Grout Port with the palm of hand.
11. Simultaneously, remove Socket Welding Device from drilled hole and Grout Port from female adapter.
12. Insert Grout Port into hole until the shoulder is reached. This operation should be carried out as quickly and carefully as possible, within 5 seconds.
13. Firmly hold the pieces together for a minimum of 10 seconds. Ensure that the region of the weld is not subjected to any force during this time.

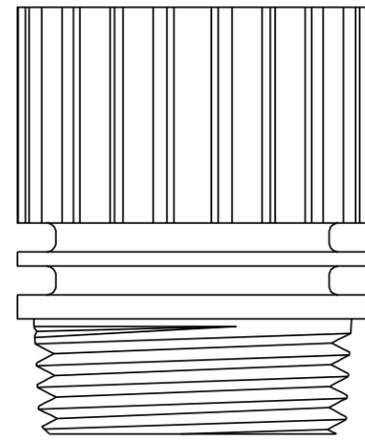
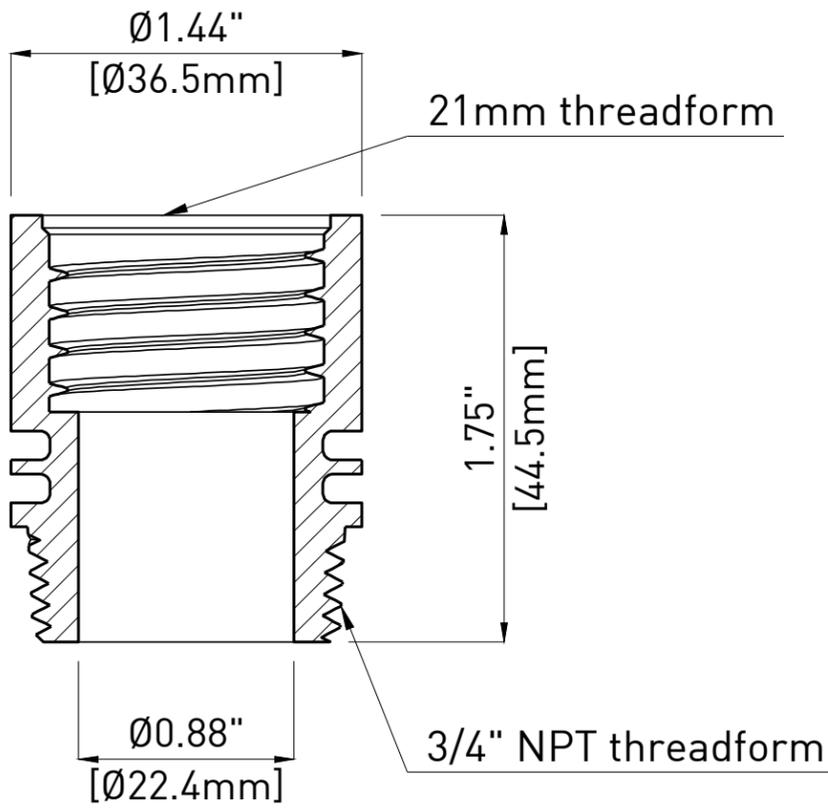
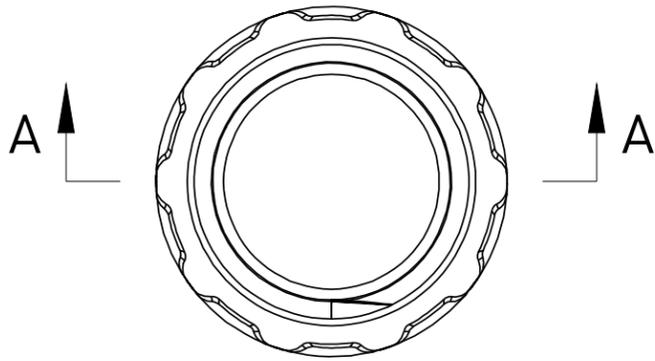
Cooling

14. Allow the duct and Grout Port to cool for a minimum of 4 minutes. After the cooling time has finished, the Grout Port is connected.

NOTE:

- This drawing is not intended for manufacturing purposes;
- All dimensions are measured;
- 150 psi rated

0	07/21/16	First issue	L.C.	T.C.
Rev.	Date	Description	Drawn	Checked
Material : Polypropylene - according to ASTM D4101			Treatment : -	
		Title : GTI 21mm PP INLET/OUTLET PORT for PT SYSTEM		
TENZA AMERICA LLC - www.tensaamerica.com - PHONE: +1 305-866-9917 1111 KANE CONCOURSE, S.TE 200 - BAY HARBOR ISLAND - 33154 FL		Drawn : L.CIVATI	Checked : T.CICCONE	
Date : 07/21/2016	Dimensions : <small>INCH [mm] mm FOR REFERENCE ONLY</small>	Part # : 00-07-04-P	Code : 220060	
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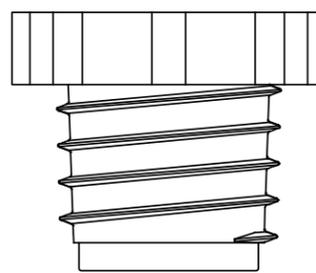
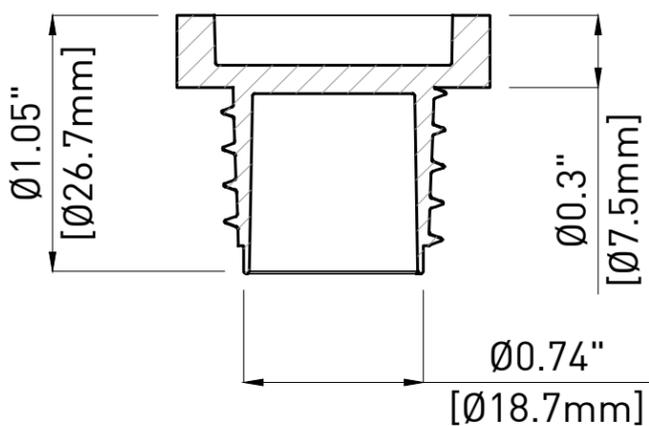
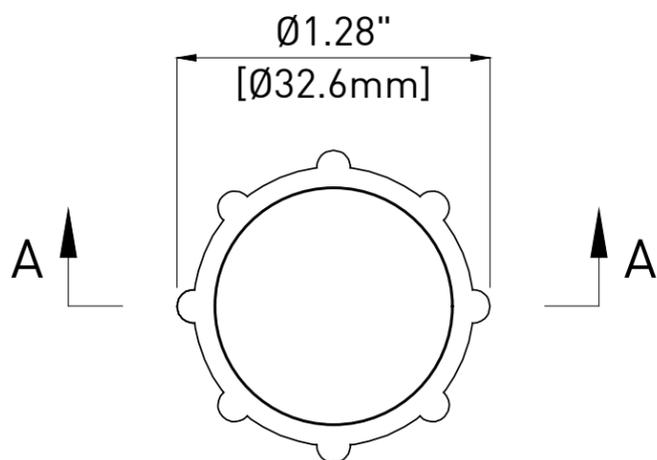
SIDE VIEW

SECTION A-A

NOTE:

- This drawing is not intended for manufacturing purposes;
- All dimensions are measured;
- 150 psi rated;
- Temporary item

0	07/21/16	First issue	L.C.	T.C.
Rev.	Date	Description	Drawn	Checked
Material : Polypropylene - according to ASTM D4101			Treatment : -	
		Title : GTI 21mm-3/4" NPT ADAPTOR		
TENSA AMERICA LLC - www.tensaamerica.com - PHONE: +1 305-866-9917 1111 KANE CONCOURSE, S.TE 200 - BAY HARBOR ISLAND - 33154 FL		Drawn : L.CIVATI	Checked : T.CICCONE	
Date : 07/21/2016	Dimensions : <small>INCH [mm] mm FOR REFERENCE ONLY</small>	Part # : 00-07-05	Code : 220068	
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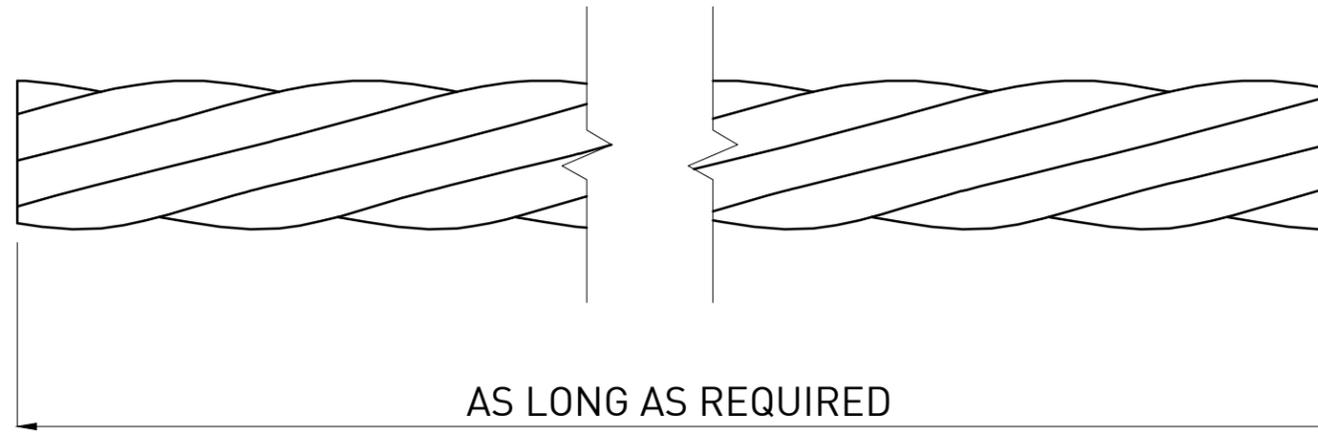
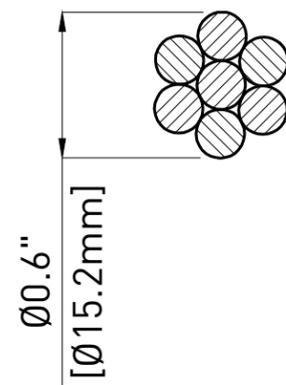
SIDE VIEW

SECTION A-A

NOTE:

- This drawing is not intended for manufacturing purposes;
- All dimensions are measured

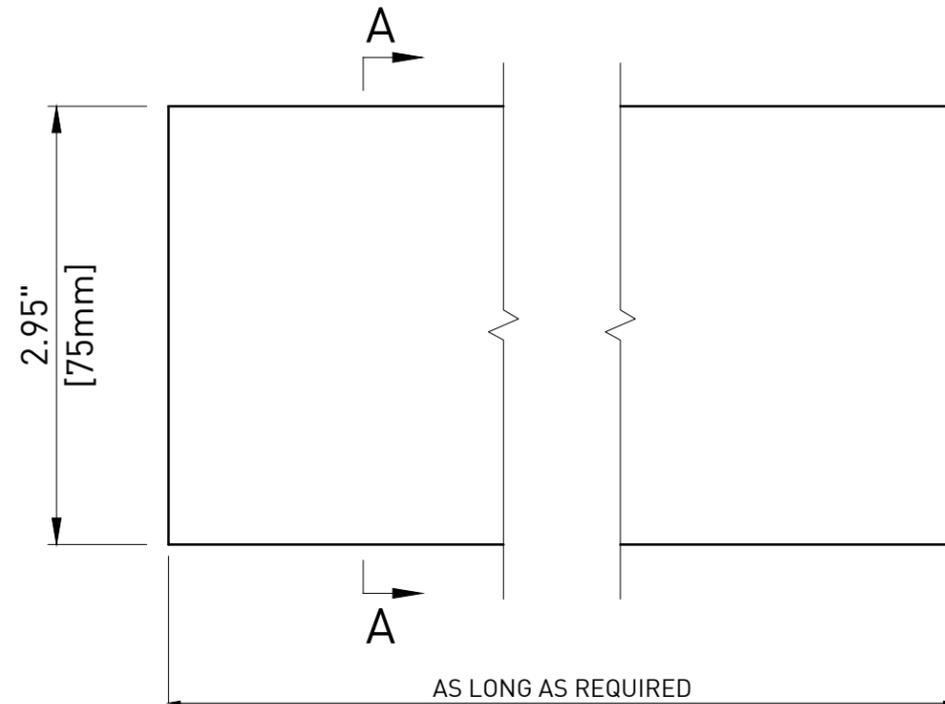
0	07/04/18	First issue	L.C.	T.C.
Rev.	Date	Description	Drawn	Checked
Material : High Density Polyethylene- according to ASTM D3350			Treatment : -	
		Title : GTI 21mm hose plug		
TENZA AMERICA LLC - www.tensaamerica.com - PHONE: +1 305-866-9917 1111 KANE CONCOURSE, S.TE 200 - BAY HARBOR ISLAND - 33154 FL		Drawn : L.CIVATI	Checked : T.CICCONE	
Date : 07/04/2018	Dimensions : <small>INCH [mm]</small> <small>mm FOR REFERENCE ONLY</small>	Part # : 00-07-08	Code : 220046	
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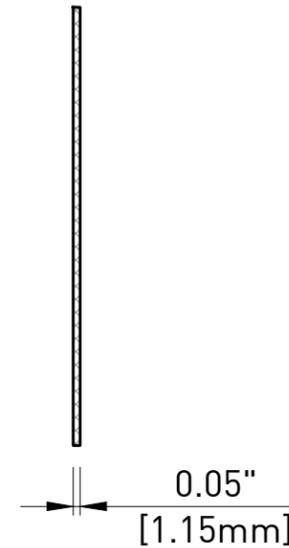
Rev.	Date	Description	Drawn	Checked
0	07/21/16	First issue	L.C.	T.C.

Material : GR270 - according to ASTM A416		Treatment : -	
		Title : 7 WIRES STEEL STRAND 0.6"	
		Drawn : L.CIVATI	Checked : T.CICCONE
Tensa America LLC - www.tensaamerica.com - PHONE: +1 305-866-9917 1111 KANE CONCOURSE, S.TE 200 - BAY HARBOR ISLAND - 33154 FL		Date : 07/21/2016	Part # : 00-08-00
Date : 07/21/2016		Dimensions : ^{INCH [mm]} mm FOR REFERENCE ONLY	Code : -
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ELEVATION



SECTION A-A



INSTALLATION

Surface Preparation

1. Lightly abrade the coupler (or trumpet) and duct in the zones expected to be covered with heat shrink tape.
2. Wipe clean the coupler (or trumpet) and duct to remove foreign contaminants. Ensure that the components are dry before cleaning.

Installation

3. Starting at least 75 mm (3") before the coupler (or trumpet) begin wrapping the tape around the joint ensuring a minimum 50% spiral overlap. Ensure that the powdered tape side is placed onto the pipe. Remove any release liners.
4. Continue to wrap the tape till at least 75 mm after the coupler (or trumpet).
5. Warm the tape end and press down firmly.
6. Using the appropriate sized heat gun or torch, begin at the edge of the tape and heat circumferentially around the joint, working back to the other edge.
7. Allow the shrink tape to cool for two hours prior to usage.

Inspection

8. Check the full contact of tape with the coupler (or trumpet) and duct.
9. Check that adhesive flows beyond tape edges.
10. Check that no cracks or holes are present in shrink tape backing.

NOTE:

- This drawing is not intended for manufacturing purposes;
- Heat shrink wrap meets or exceeds FDoT requirements (Table 2.2.1.8-1 Section 960).

Rev.	Date	Description	Drawn	Checked
0	12/20/17	First issue	L.C.	T.C.

Material : Coated Polyolefin Backing - according to FDoT Tab.2.2.1.8-1 Sec.960		Treatment : -	
		Title : CANUSA-CPS HEAT SHRINK WRAP for INTERNAL PT SYSTEM	
		TENSA AMERICA LLC - www.tensaamerica.com - PHONE: +1 305-866-9917 1111 KANE CONCOURSE, S.TE 200 - BAY HARBOR ISLAND - 33154 FL	
Date : 12/20/2017	Dimensions : <small>INCH [mm]</small> <small>mm FOR REFERENCE ONLY</small>	Drawn : L.CIVATI	Checked : T.CICCONE
Date : 12/20/2017		Part # : 00-09-00	Code : HCA-B-75-15-BK
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