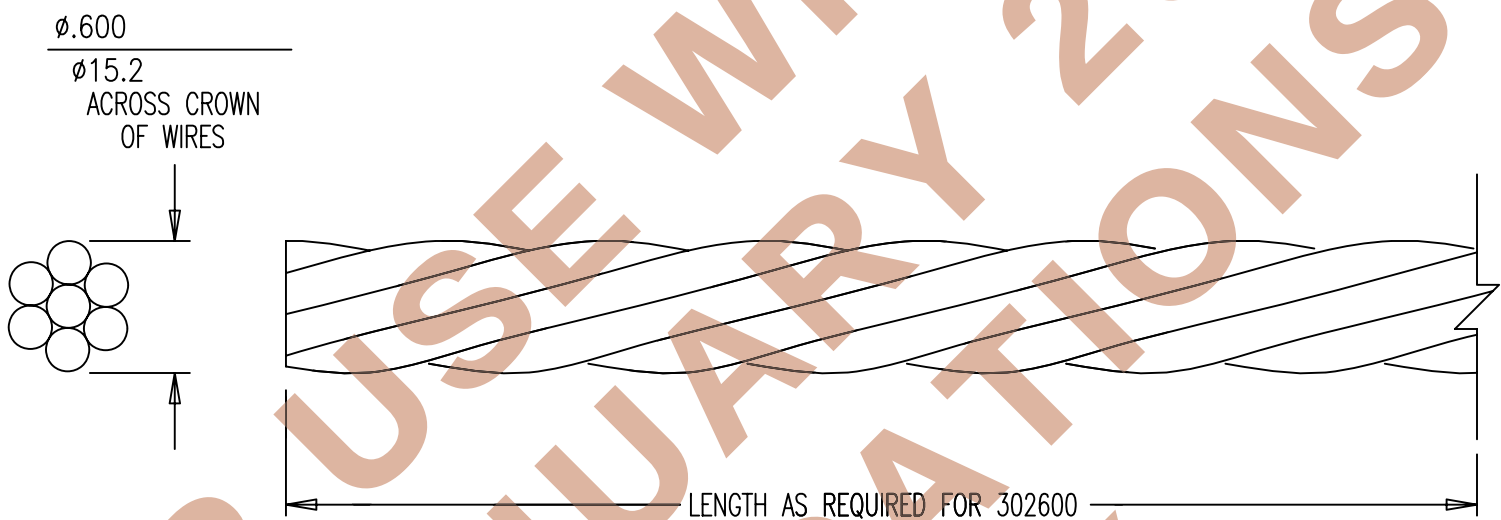
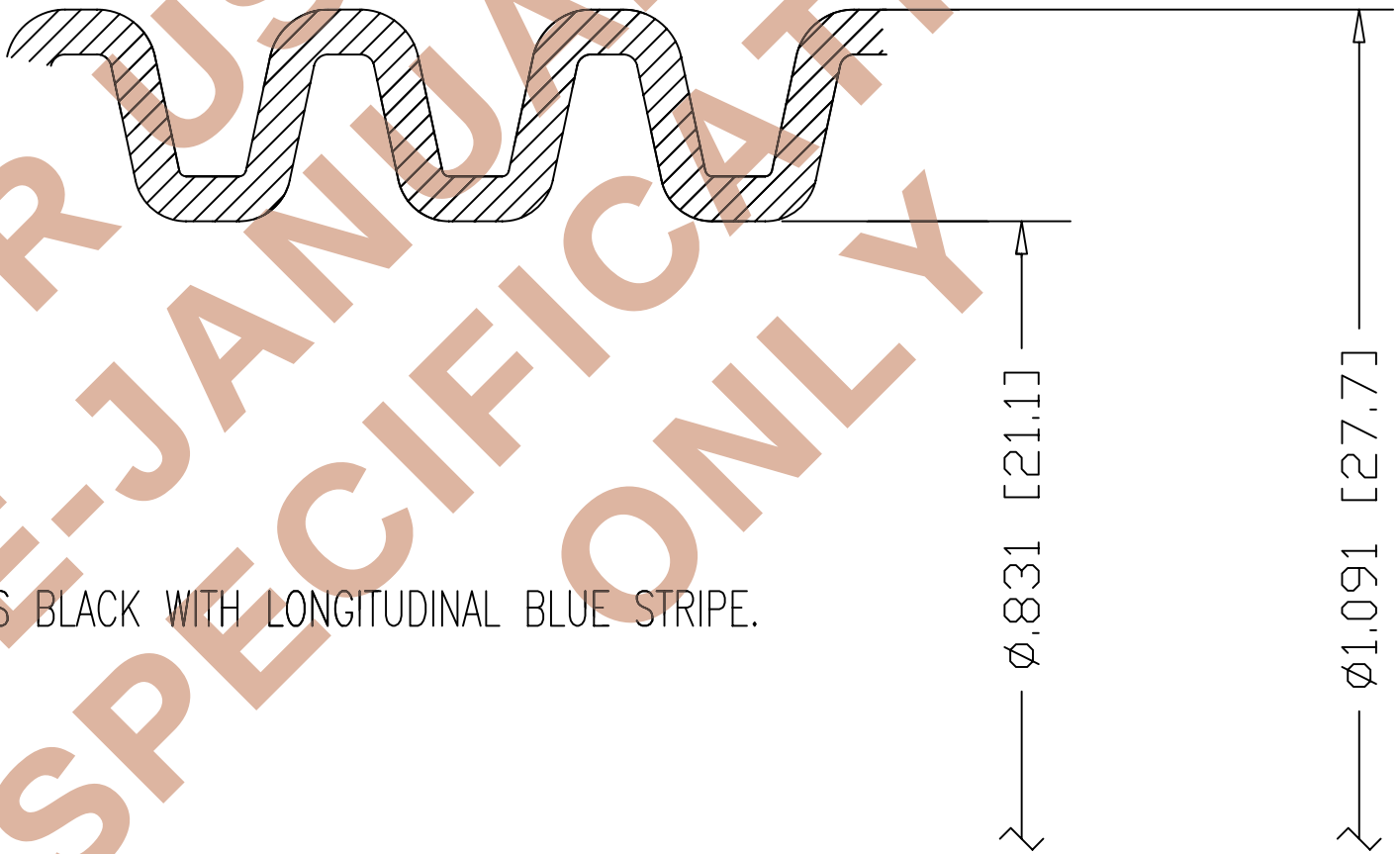
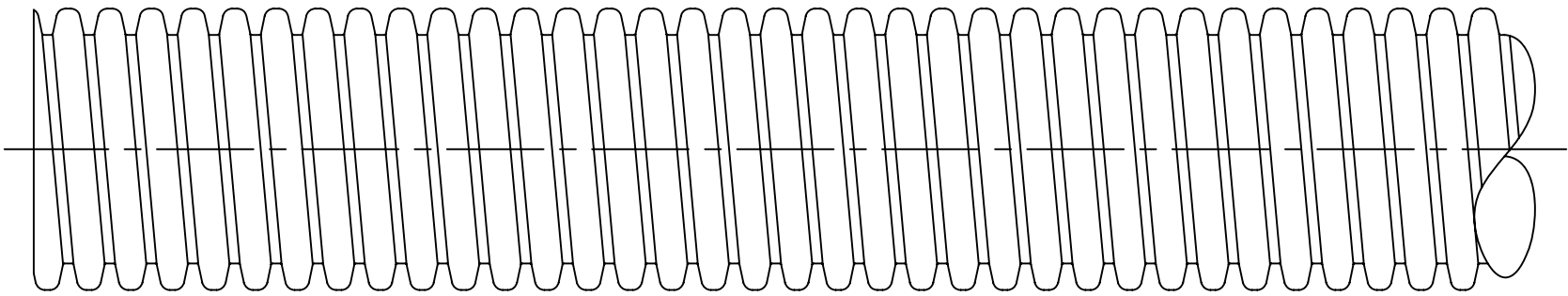




- NOTES:
- 1. NO PART NUMBER OR IDENTIFICATION MARKS ON STRAND.
 - 2. MUST BE DOMESTIC STRAND.

APPROVED BY FDOT 05-31-07

DIMENSIONS: INCH [mm] mm FOR REFERENCE ONLY		QUALITY PLAN NUMBER: QS000301000		TOLERANCES: ±.020 UNLESS NOTED		WEIGHT .738 PER/FT		REV.		DATE		NAME		PART NUMBER: 302600			
0.6" BARE 270 KSI STRAND				MATERIAL: SEE MAT'L SPEC. PM30106000S		SCALE 1:1								DRAWING NUMBER: 302600			
DATE: 09-14-07		DWG: G. MALECKI		CHK: C.S.		APP: K.S.											
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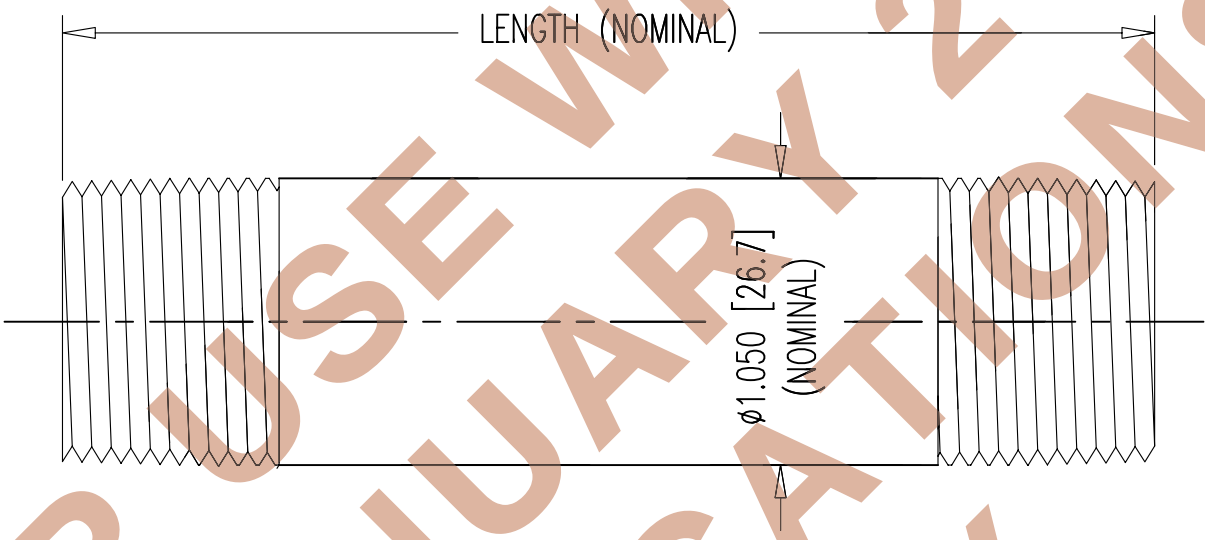


NOTES:
1. GROUT TUBE IS BLACK WITH LONGITUDINAL BLUE STRIPE.

MANUFACTURER: DSI
MANUFACTURER’S PART NUMBER: 00 00 801

APPROVED BY FDOT 09-14-07

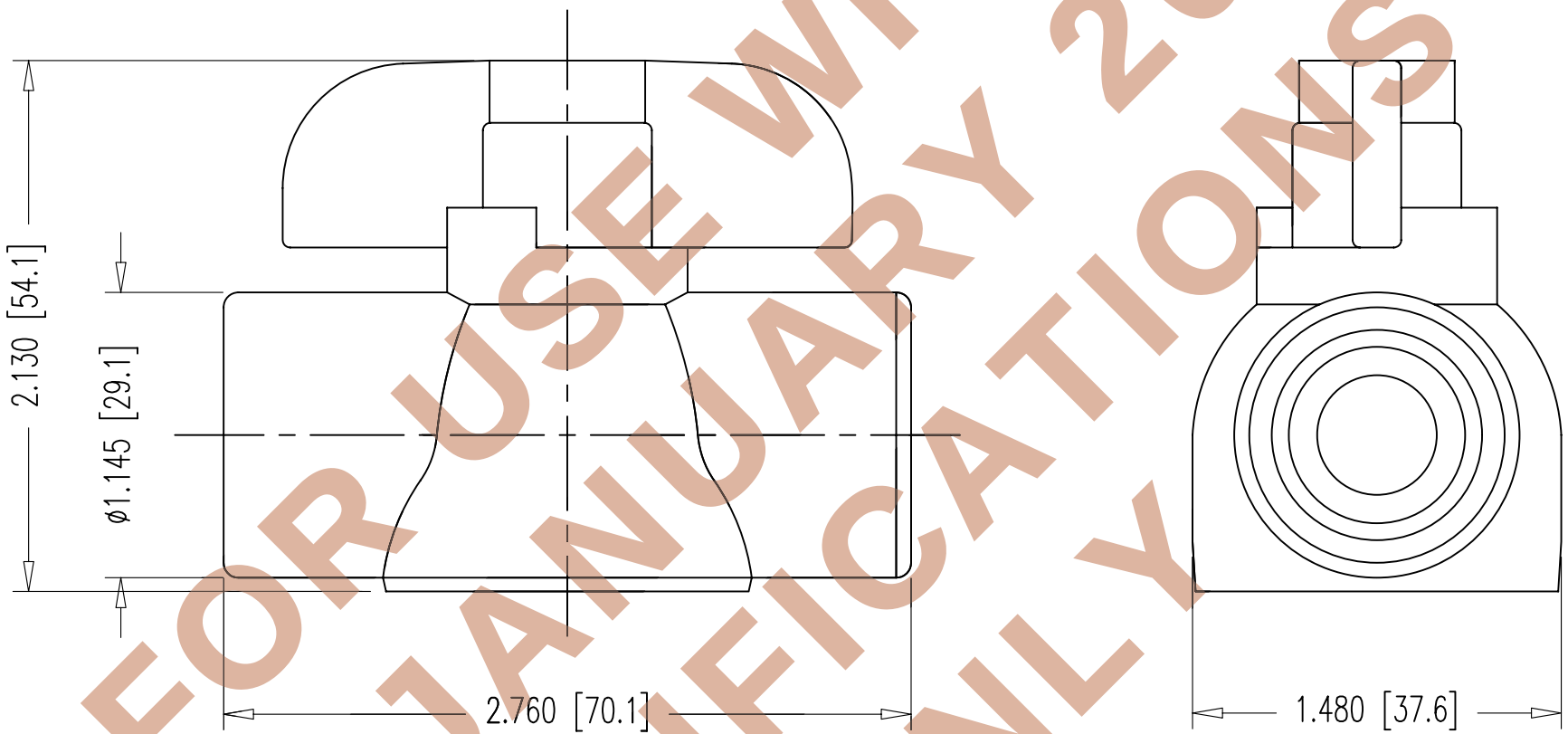
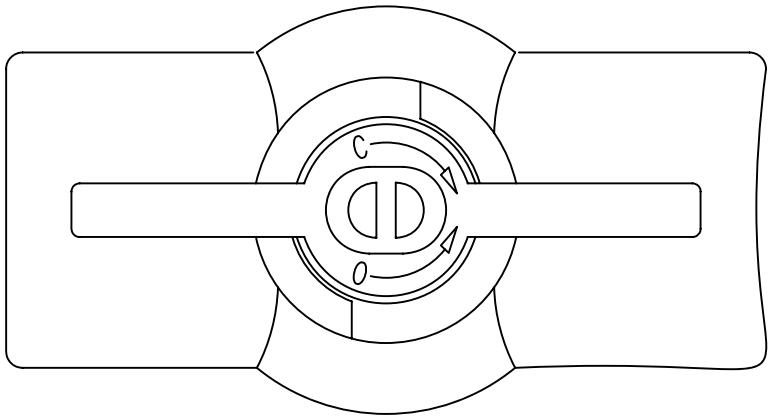
DIMENSIONS: INCH [mm] IN. FOR REFERENCE ONLY		QUALITY PLAN NUMBER:		TOLERANCES: ±.020 UNLESS NOTED		REV.		DATE		NAME		PART NUMBER: 00 00 801	
21mm GROUT TUBE, STANDARD DUTY				MATERIAL: HDPE MEETING OIT REQUIREMENTS		SCALE 1:1 6:1							
DATE: 09-14-07		DWG: G. MALECKI		CHK: S.Y.		APP: K.S.						DRAWING NUMBER: 00 00 801	
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PART NUMBER	LENGTH	WEIGHT
00 00 872	4" [101.6mm]	0.38 LBS.
00 00 874	6" [152.4mm]	0.57 LBS.
00 00 876	12" [304.8mm]	1.13 LBS.

APPROVED BY FDOT 09-14-07

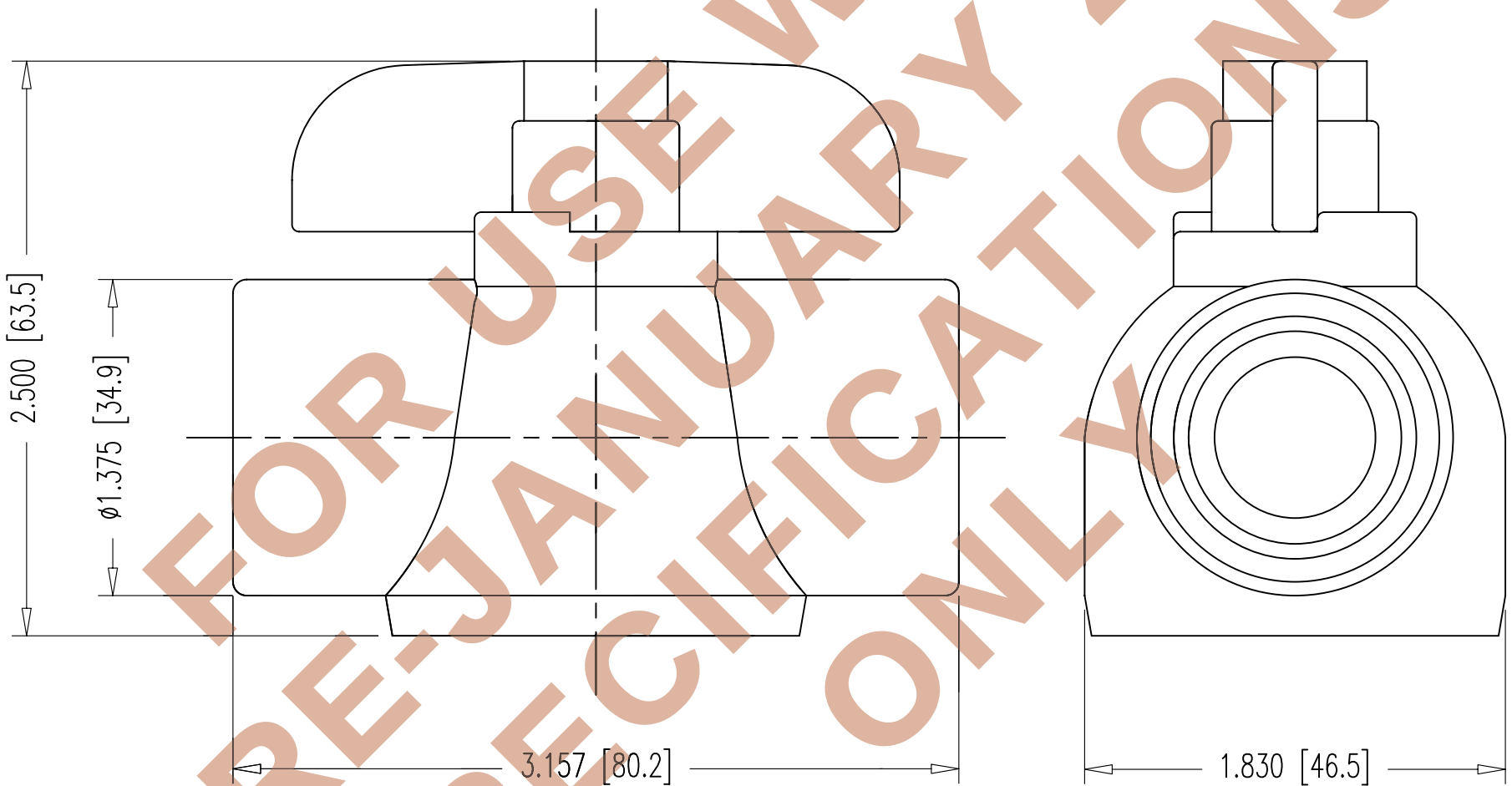
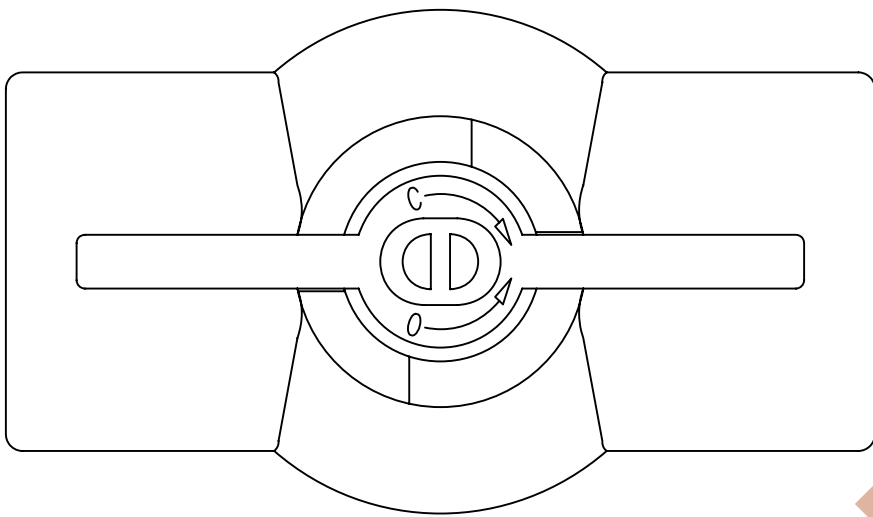
DIMENSIONS: INCH [mm] mm FOR REFERENCE ONLY		QUALITY PLAN NUMBER:				REV.	DATE	NAME	PART NUMBER: 00 00 872 00 00 874 00 00 876		
3/4" PIPE NIPPLES											
DATE: 09-14-07 DWG: G. MALECKI CHK: S.N. APP: K.S.				MATERIAL: SCH 40 BLACK WELDED STEEL	SCALE 1:1				DRAWING NUMBER: 00 00 876		
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NOTE:
ALL DIMENSION MEASURED.
SPECIAL ORDER: NO STAMPED PART NUMBER.
SUPPLIER: KING BROTHERS
SUPPLIER PART NO. EBV-0500-T

APPROVED BY FDOT 09-14-07

DIMENSIONS: INCH [mm] mm FOR REFERENCE ONLY		QUALITY PLAN NUMBER:		MATERIAL: PVC	WEIGHT 0.138 LBS. SCALE 1:1	REV.	DATE	NAME		PART NUMBER: 00 00 634		
1/2" NPT BALL VALVE												
DATE: 09-14-07	DWG: G. MALECKI	CHK: S.N.	APP: E.A.	DYWIDAG-SYSTEMS INTERNATIONAL, USA, INC. 320 MARMON DRIVE - BOLINGBROOK, IL 60440 PHONE: 630-739-1100 FAX: 630-739-1405						DRAWING NUMBER: 00 00 634		
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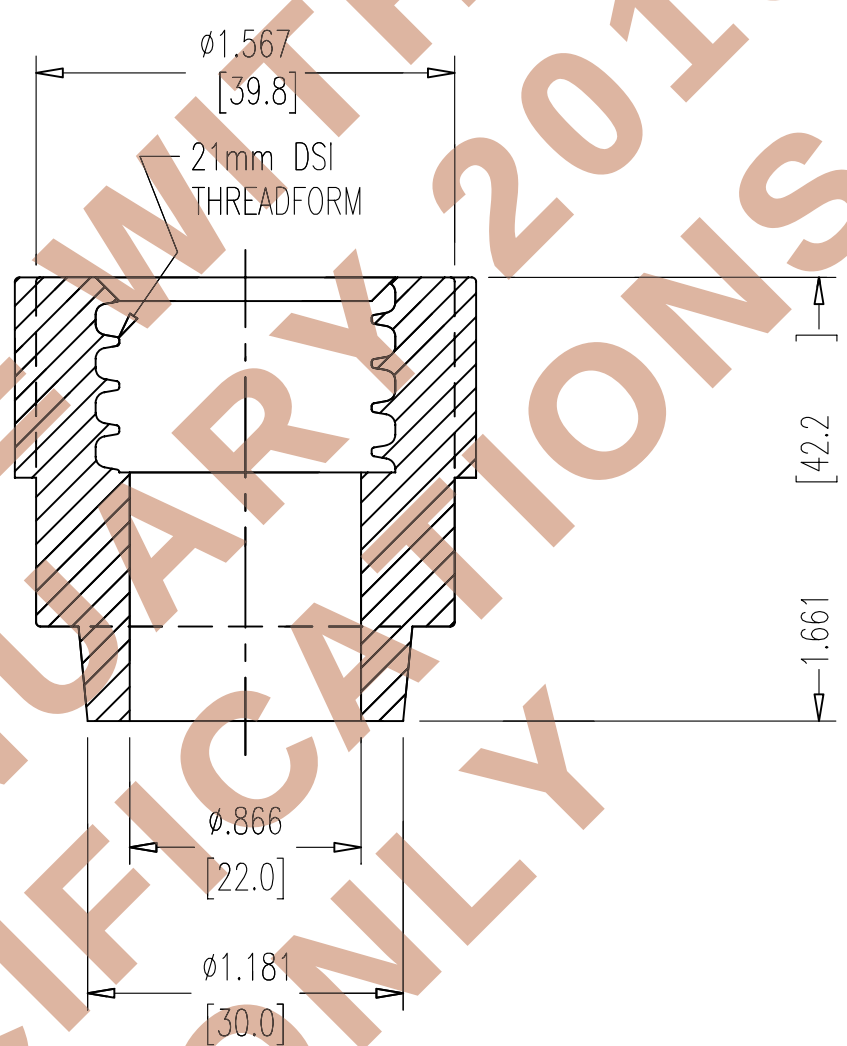
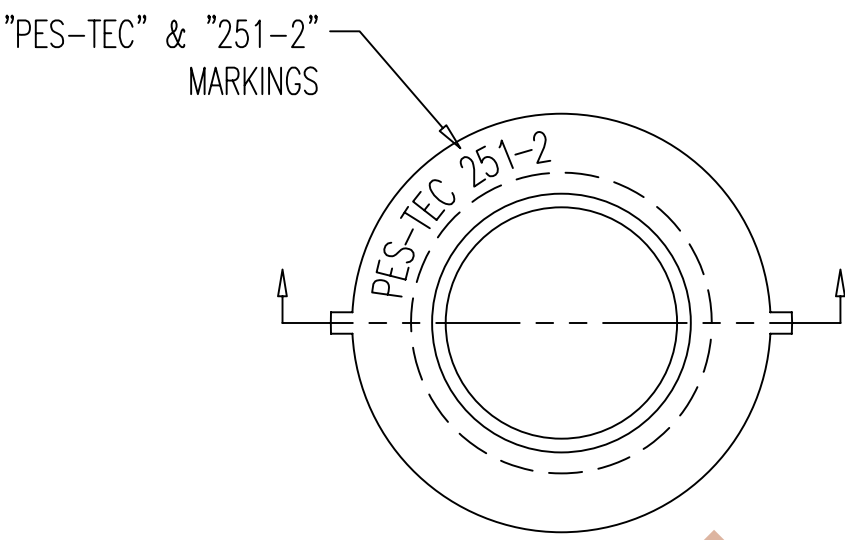


NOTE:
ALL DIMENSION MEASURED.

SUPPLIER: KING BROTHERS
SUPPLIER PART NO. EBV-0750-T

APPROVED BY FDOT 09-14-07

DIMENSIONS: INCH [mm] mm FOR REFERENCE ONLY		QUALITY PLAN NUMBER:		WEIGHT 0.213 LBS.	REV.	DATE	NAME	PART NUMBER: 00 00 834	
3/4" NPT BALL VALVE					MATERIAL: PVC	SCALE 1:1			
DATE: 09-14-07	DWG: G. MALECKI	CHK: S.N.	APP: E.A.						
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MANUFACTURER: PES-TEC.
MANUFACTURER PART NUMBER: 251-2.

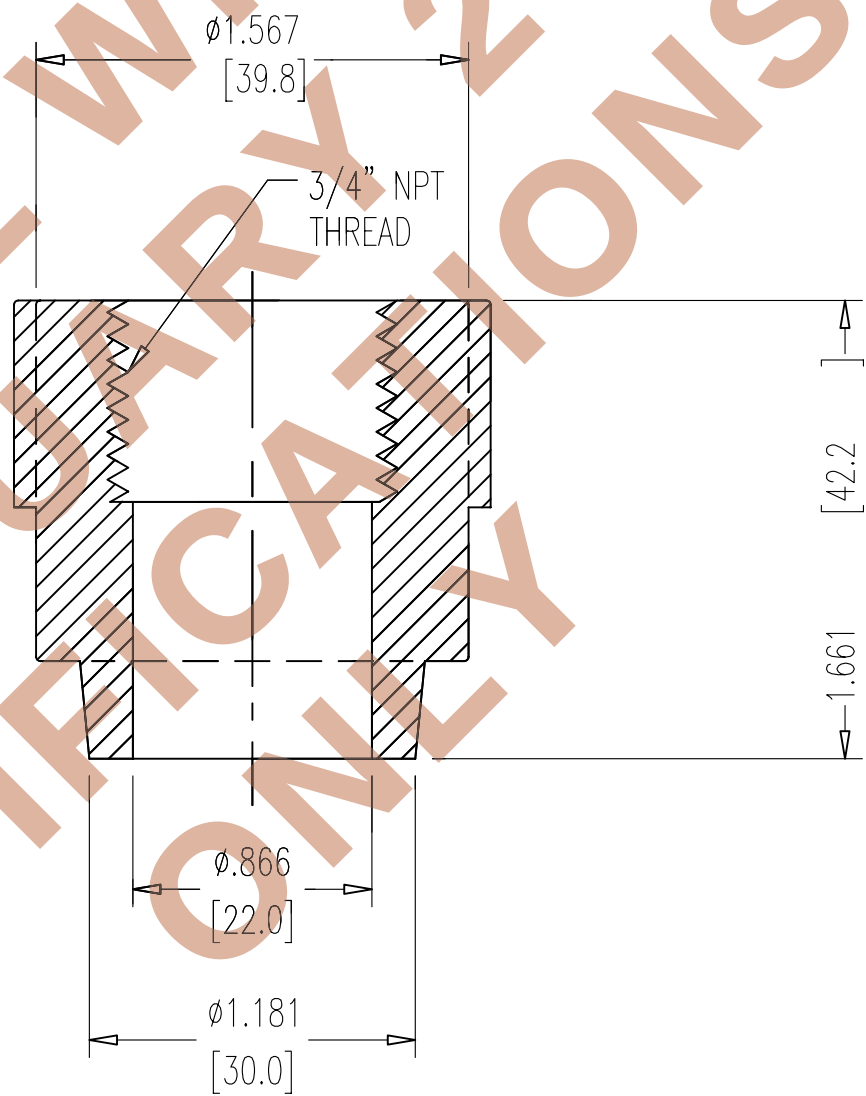
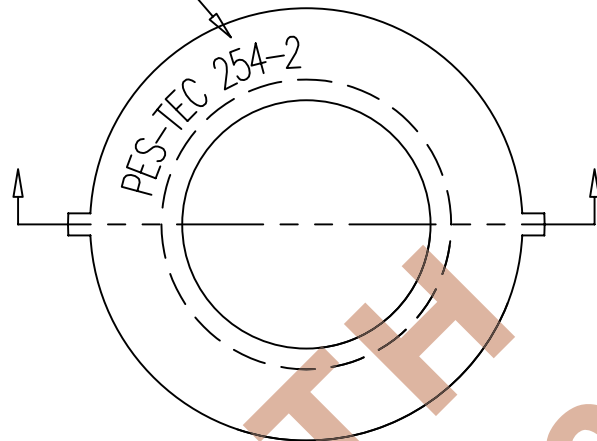
WELDING OPERATIONS:
DRILL A HOLE USING SPECIFIED CONE DRILL TOOL
WHEREVER NEEDED IN COMMON POLYPROPYLENE
DUCTS OF ALL BRANDS. HEAT UP POLYPROPYLENE
GROUT PORT AND THE HOLE IN DUCT FOR ABOUT
10 SECONDS USING PES-TEC WELDING EQUIPMENT.
RELEASE THE GROUT PORT AND PRESS INTO THE
HOLE IN DUCT BY HAND FOR 15 SECONDS.

MATERIAL: POLYPROPYLENE
COLOR: GREY
USAGE: FOR GTI CORRUGATED INTERNAL DUCTS.

APPROVED BY FDOT 09-14-07

DIMENSIONS: INCH [mm] mm FOR REFERENCE ONLY		QUALITY PLAN NUMBER:		TOLERANCES: ±.020 UNLESS NOTED	WEIGHT 0.062 LBS.	REV.	DATE	NAME	PART NUMBER: 00 00 857
21mm PP GROUT VENT PORT						1	05-09-07	S.N.	
						2	08-14-07	S.N.	
				MATERIAL: POLYPROPYLENE (GREY COLOR)	SCALE 1:1				DRAWING NUMBER: 00 00 857
DATE: 09-14-07	DWG: G. MALECKI	CHK: E.A.	APP: K.S.	DYWIDAG-SYSTEMS INTERNATIONAL, USA, INC. 320 MARMON DRIVE - BOLINGBROOK, IL 60440 PHONE: 630-739-1100 FAX: 630-739-1405					
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"PES-TEC" & "254-2"
MARKINGS



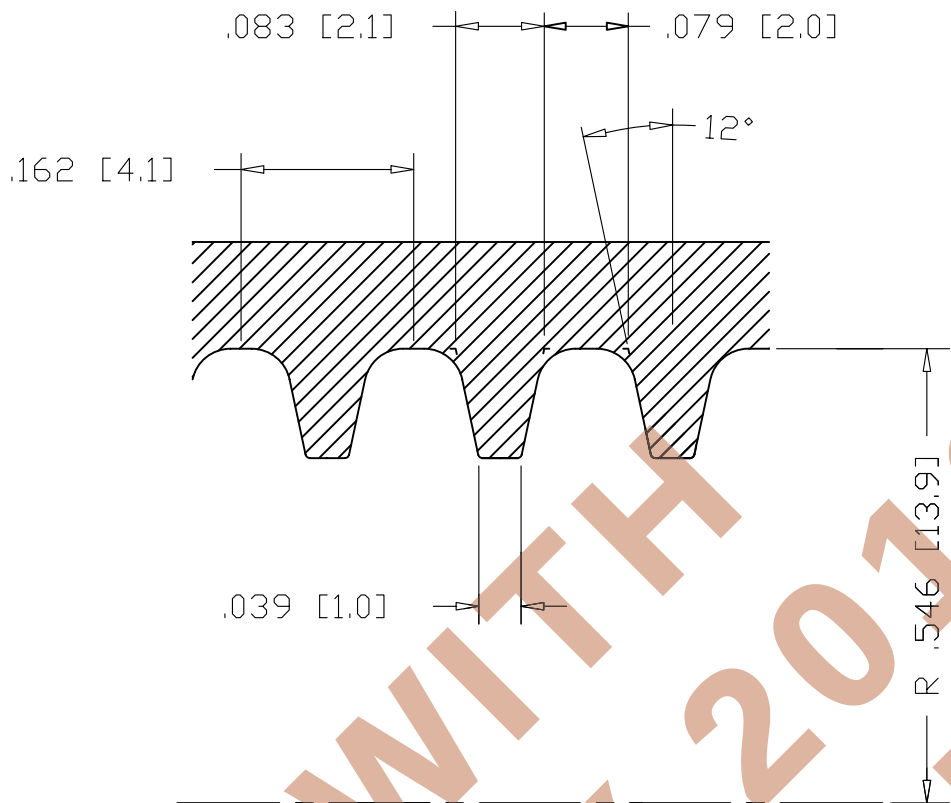
MANUFACTURER: PES-TEC.
MANUFACTURER PART NUMBER: 254-2.

WELDING OPERATIONS:
DRILL A HOLE USING SPECIFIED CONE DRILL TOOL
WHEREVER NEEDED IN COMMON POLYPROPYLENE
DUCTS OF ALL BRANDS. HEAT UP POLYPROPYLENE
GROUT PORT AND THE HOLE IN DUCT FOR ABOUT
10 SECONDS USING PES-TEC WELDING EQUIPMENT.
RELEASE THE GROUT PORT AND PRESS INTO THE
HOLE IN DUCT BY HAND FOR 15 SECONDS.

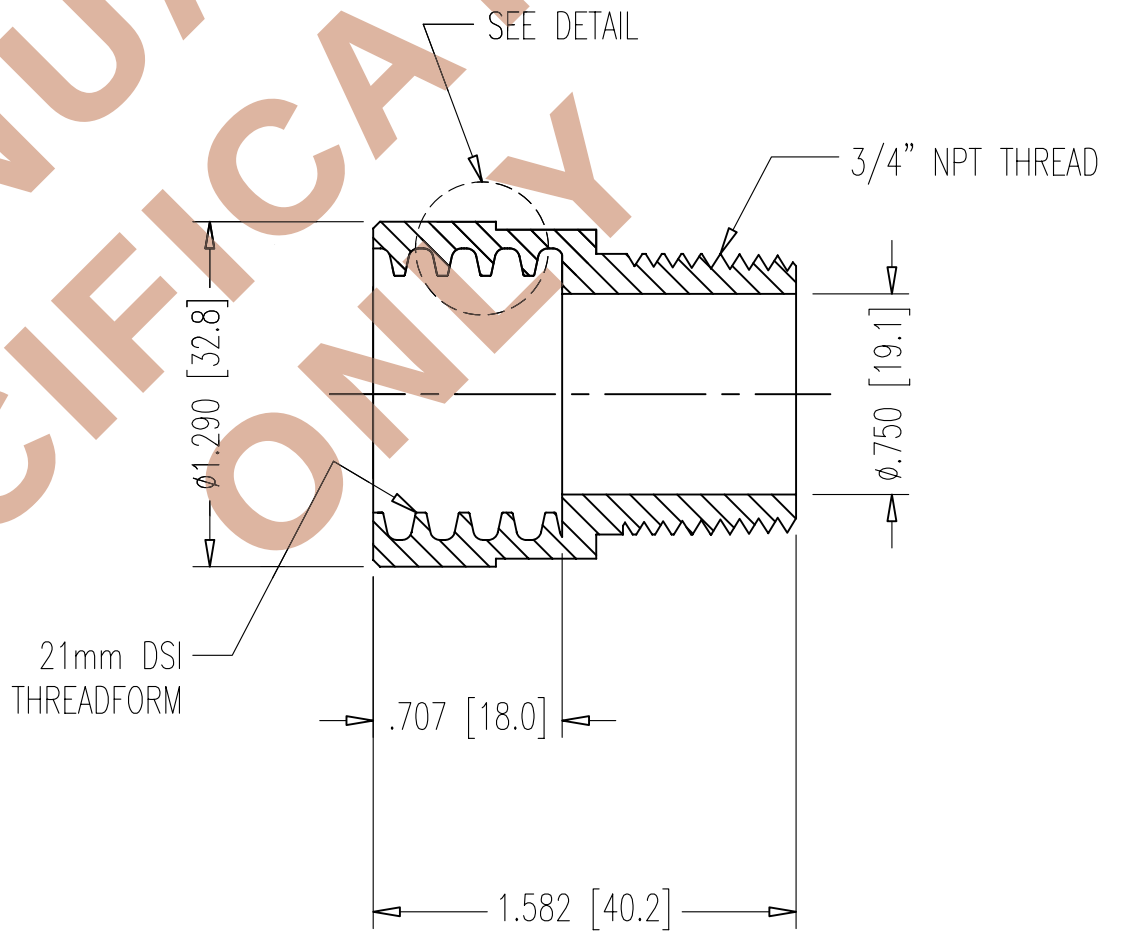
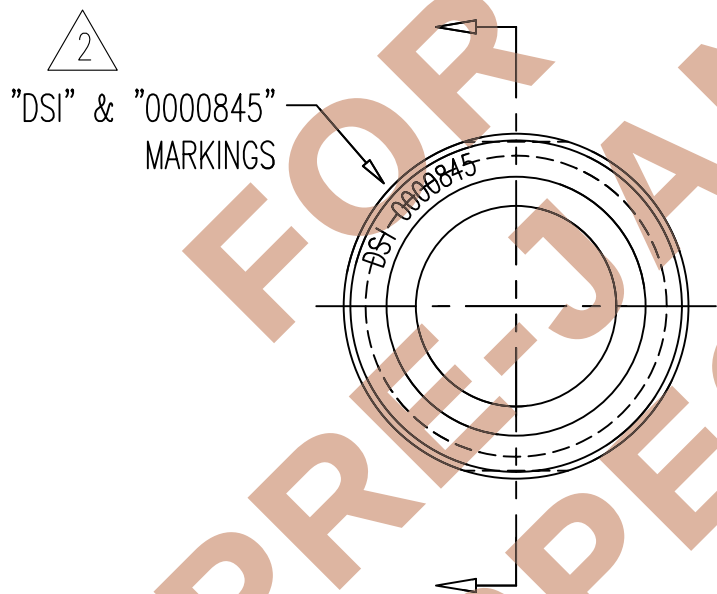
MATERIAL: POLYPROPYLENE
COLOR: GREY
USAGE: FOR GTI CORRUGATED INTERNAL DUCTS.

APPROVED BY FDOT 09-14-07

DIMENSIONS: INCH [mm] mm FOR REFERENCE ONLY		QUALITY PLAN NUMBER:		TOLERANCES: ±.020 UNLESS NOTED		WEIGHT 0.062 LBS.		REV.	DATE	NAME	PART NUMBER: 00 00 855		
3/4" NPT PP GROUT VENT PORT				MATERIAL: POLYPROPYLENE (GREY COLOR)		SCALE 1:1						DRAWING NUMBER: 00 00 855	
DATE: 09-14-07	DWG: G. MALECKI	CHK: E.A.	APP: K.S.										
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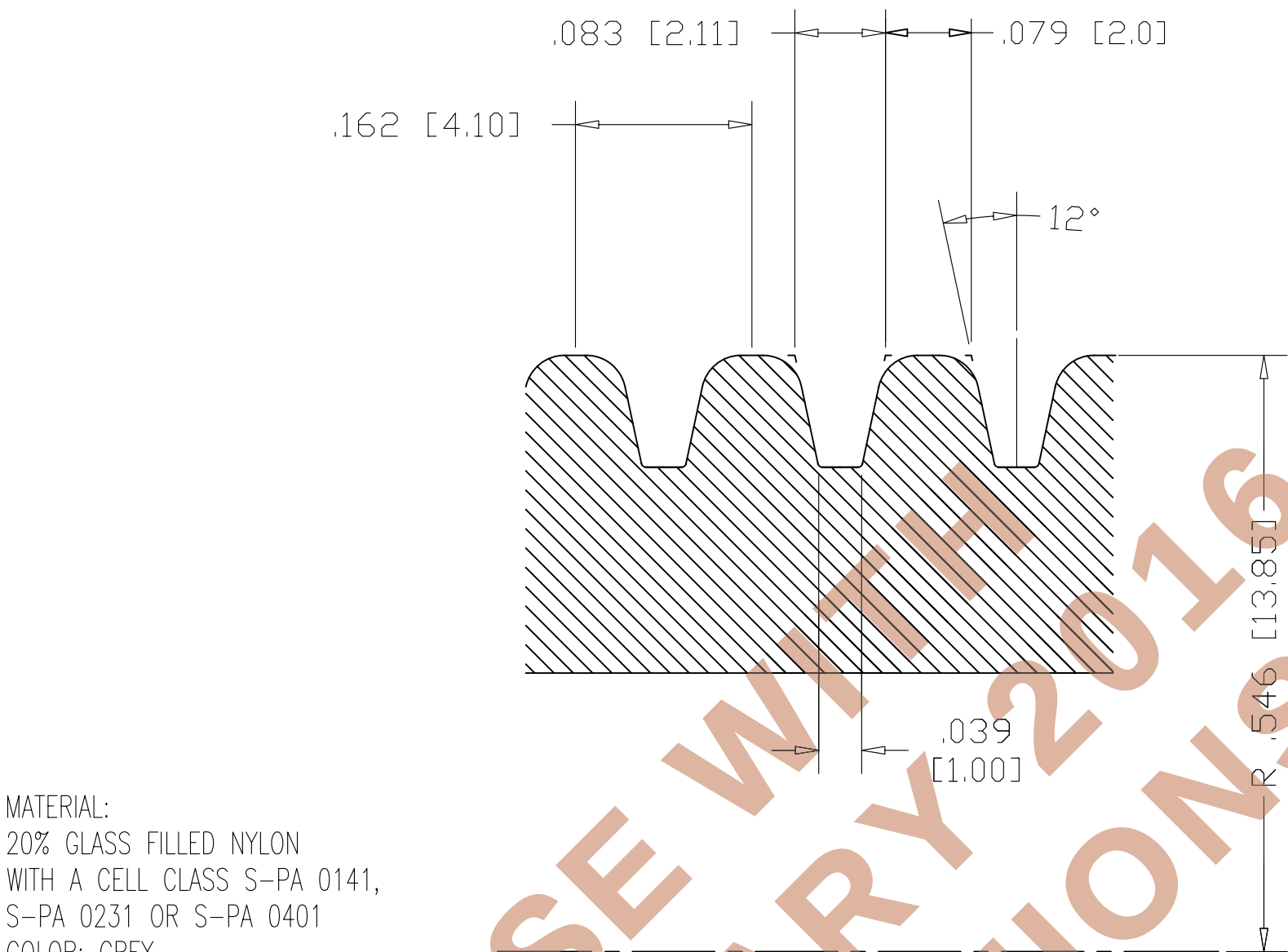
20% GLASS FILLED NYLON
WITH A CELL CLASS S-PA 0141,
S-PA 0231 OR S-PA 0401
COLOR: BLACK



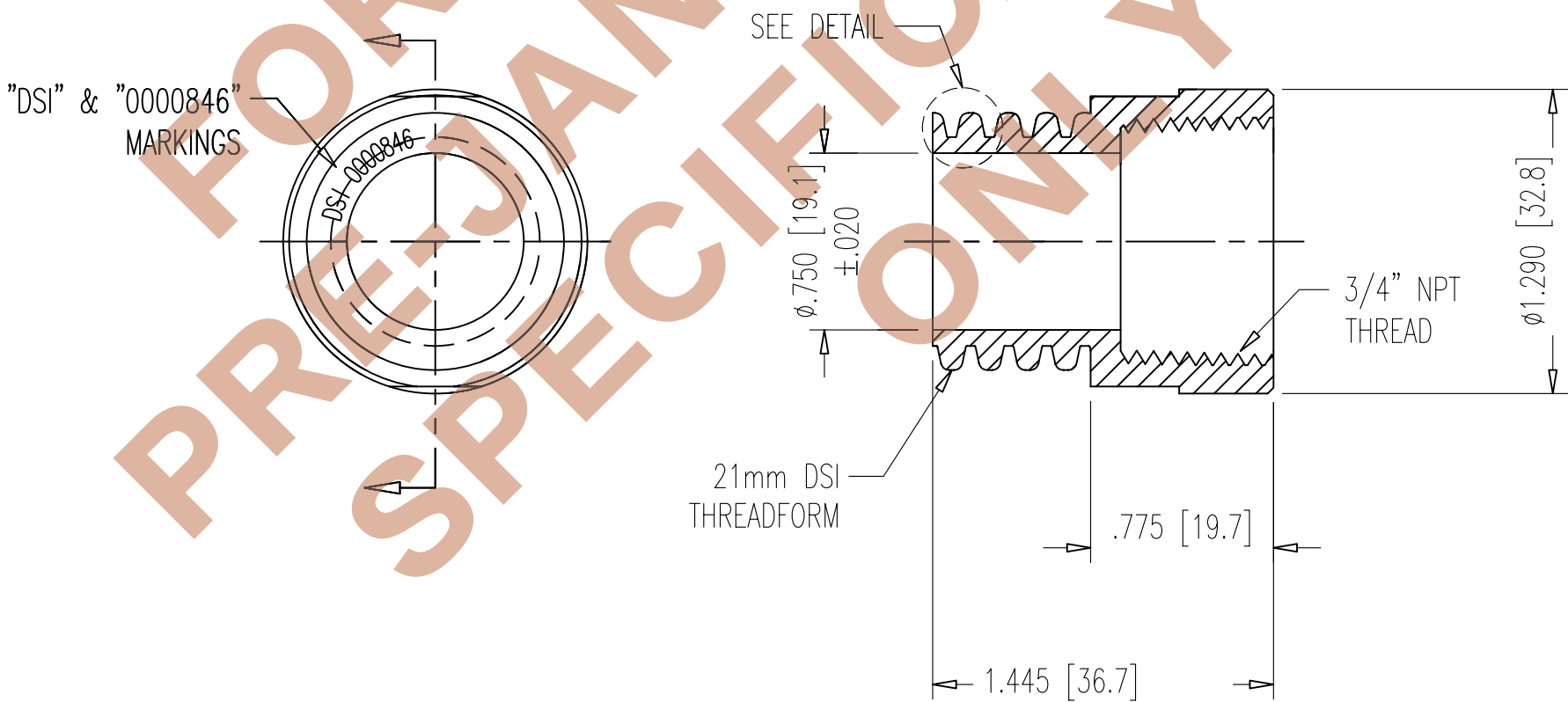
MANUFACTURER: DSI
MANUFACTURER'S PART NUMBER: 00 00 845

APPROVED BY FDOT 09-14-07

DIMENSIONS: INCH [mm] mm FOR REFERENCE ONLY		QUALITY PLAN NUMBER:		TOLERANCES: ±.020 UNLESS NOTED	WEIGHT 0.06 LBS.	REV.	DATE	NAME	PART NUMBER: 00 00 845
21mm FEMALE-3/4" NPT MALE CONNECTOR						1	12-18-06	S.N.	
				2	05-09-07	S.N.			
DATE: 09-14-07 DWG: G. MALECKI CHK: E.A. APP: K.S.				MATERIAL: SEE ABOVE	SCALE 1:1 4:1				DRAWING NUMBER: 00 00 845
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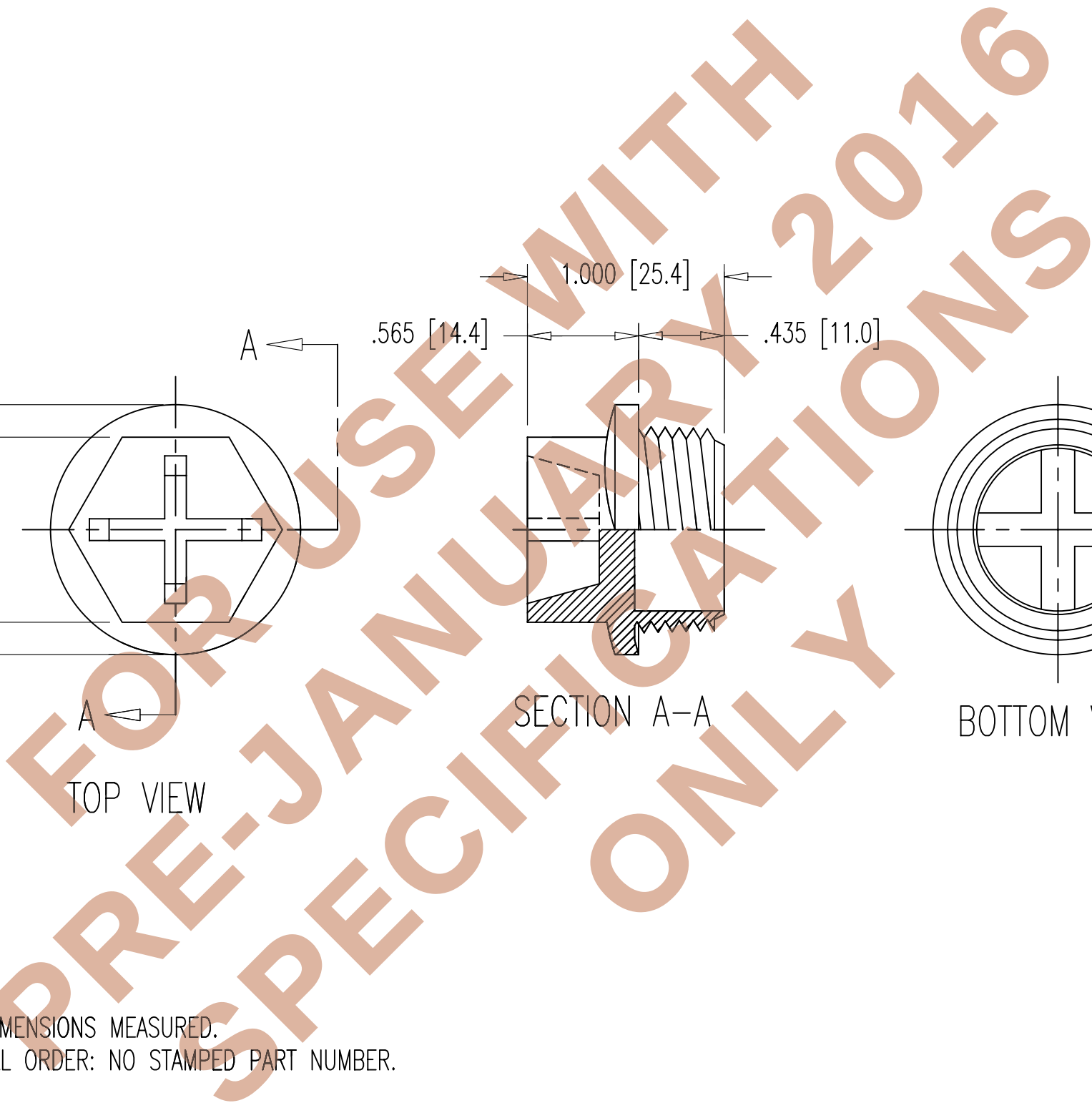
MATERIAL:
20% GLASS FILLED NYLON
WITH A CELL CLASS S-PA 0141,
S-PA 0231 OR S-PA 0401
COLOR: GREY



MANUFACTURER: DSI
MANUFACTURER'S PART NUMBER: 00 00 846

APPROVED BY FDOT 09-14-07

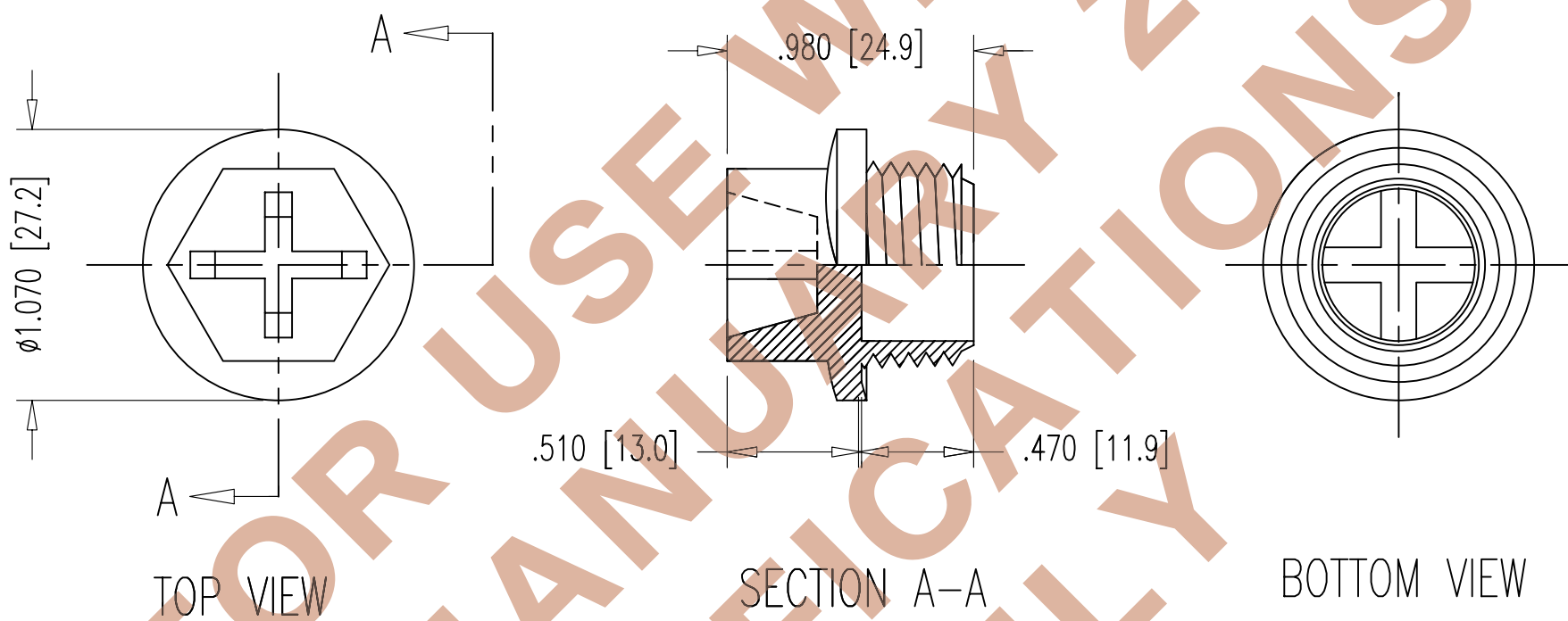
DIMENSIONS: INCH [mm] mm FOR REFERENCE ONLY		QUALITY PLAN NUMBER:		TOLERANCES: ±.020 UNLESS NOTED		WEIGHT 0.06 LBS.		REV.		DATE		NAME		PART NUMBER: 00 00 846			
21mm MALE-3/4" NPT FEMALE CONNECTOR				MATERIAL: SEE ABOVE		SCALE 1:1 5:1								DRAWING NUMBER: 00 00 846			
DATE: 09-14-07		DWG: G. MALECKI		CHK: E.A.		APP: K.S.											
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SUPPLIER:
NIAGARA PLASTICS
SUPPLIER PART # : BT 0750

APPROVED BY FDOT 05-31-07

DIMENSIONS: INCH [mm] mm FOR REFERENCE ONLY		QUALITY PLAN NUMBER: Q000000040P		TOLERANCES: ±.010 UNLESS NOTED		WEIGHT LBS.		REV. DATE NAME		PART NUMBER: 00 00 847	
BT 0750 (3/4") NPT NYLON PLUG				MATERIAL: NYLON 6 COLOR: BLACK		SCALE 1:1				DRAWING NUMBER: 00 00 847	
DATE: 05-31-07		DWG: G. MALECKI		CHK: S.Y.		APP: K.S.					
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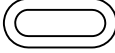
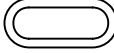
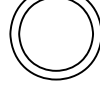
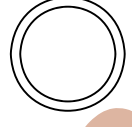
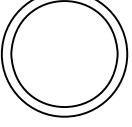
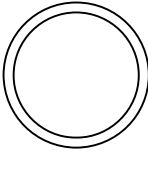
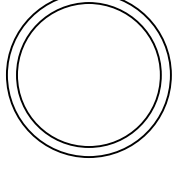
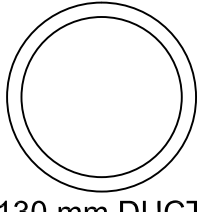
NOTE:
ALL DIMENSIONS MEASURED.
SPECIAL ORDER: NO STAMPED PART NUMBER.

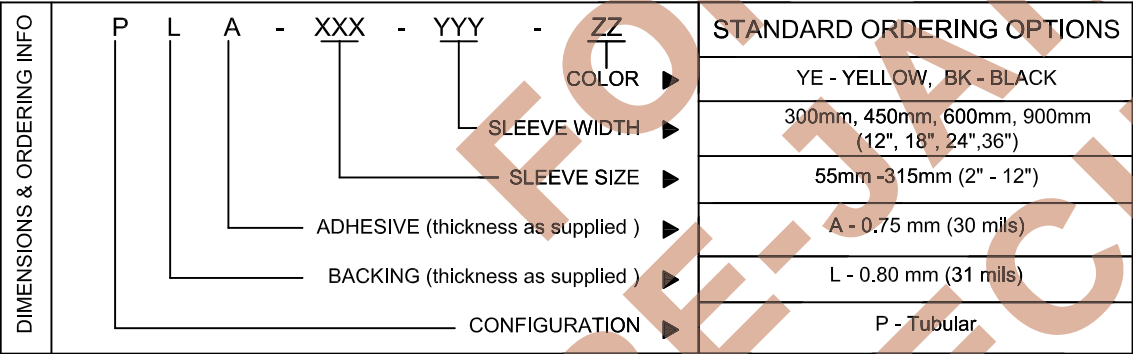
SUPPLIER:
NIAGARA PLASTICS
SUPPLIER PART # : BT 0500

APPROVED BY FDOT 05-31-07

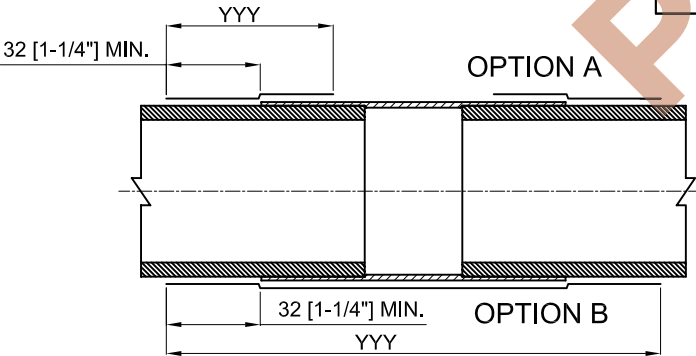
DIMENSIONS: INCH [mm] mm FOR REFERENCE ONLY		QUALITY PLAN NUMBER: Q000000040P		TOLERANCES: ±.010 UNLESS NOTED		WEIGHT LBS.		REV. DATE NAME		PART NUMBER: 00 00 848	
BT 0500 (1/2") NPT NYLON PLUG				MATERIAL: NYLON 6 COLOR: BLACK		SCALE 1:1					
DATE: 05-31-07	DWG: G. MALECKI	CHK: S.Y.	APP: K.S.							DRAWING NUMBER: 00 00 848	
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HEAT SHRINK SLEEVES - PLA TYPE UNO

											
TENDON SIZE		1 x 0.6"	3 x 0.6"	4 x 0.6"	1 x 0.6"	7 x 0.6" 1 3/8"	9 x 0.6" 1 3/4"	12 x 0.6" 1 3/4"	15, 19 x 0.6"	27 x 0.6"	37 x 0.6"
DUCT	ID	0.90" [23 mm] x 1.50" [38 mm]	0.827" [21 mm] x 2.835" [72 mm]	0.984" [25 mm] x 2.992" [76 mm]	Ø 0.94" [23.879 mm]	Ø 2.323" [59 mm]	Ø 2.99" [75.9 mm]	Ø 3.346" [85.0 mm]	Ø 3.937" [100 mm]	Ø 4.528" [115.0 mm]	Ø 5.039" [128.0 mm]
	OD ₁	1.45" [37] x 2.05" [52 mm]	1.378" [35] x 3.386" [86 mm]	1.554" [39.5 mm] x 3.551" [90.2 mm]	Ø 1.48" [37.6 mm]	Ø 2.874" [73 mm]	Ø 3.58" [90.9 mm]	Ø 3.946" [100.2 mm]	Ø 4.573" [116.2 mm]	Ø 5.303" [134.7 mm]	Ø 5.96" [151.0 mm]
	OD ₂		0.984" [25] x 2.992" [76 mm]	1.142" [29 mm] x 3.15" [80 mm]	Ø 1.06" [26.9 mm]	Ø 2.480" [63 mm]	Ø 3.35" [85.1 mm]	Ø 3.546" [90.1 mm]	Ø 4.173" [106.0 mm]	Ø 4.803" [122.0 mm]	Ø 5.36" [136.0 mm]
GTI COUPLER Max. OD		1.63" [41 mm] x 2.23" [57 mm]	1.565" [39.8 mm] x 3.565" [90.55 mm]	1.714" [43.54 mm] x 3.674" [93.32 mm]	Ø 1.7" [43.2 mm]	Ø 3.031" [77 mm]	Ø 3.738" [94.9 mm]	Ø 4.134" [105 mm]	Ø 4.698" [119.3 mm]	Ø 5.599" [142.2 mm]	Ø 6.151" [156.2 mm]
ORDER PART #	OPTION A	N/A	PLA-55-112-YE	PLA-55-112-YE	N/A	PLA-55-112-YE	N/A	N/A	N/A	N/A	N/A
	OPTION B	N/A	PLA-55-225-YE	PLA-55-225-YE	N/A	PLA-55-225-YE	PLA-90-225-YE	N/A	N/A	N/A	N/A
DSI COUPLER Max. OD		N/A	N/A	N/A	N/A	Ø 3.701" [94 mm]	N/A	Ø 4.824" [122.5 mm]	Ø 5.5" [139.7 mm]	Ø 6.278" [159.5 mm]	N/A
ORDER PART #	OPTION A	N/A	N/A	N/A	N/A	PLA-55-150-YE	N/A	PLA-90-150-YE	PLA-100-150-BK	PLA-125-150-YE	N/A
	OPTION B	N/A	N/A	N/A	N/A	PLA-55-450-YE	N/A	PLA-90-450-YE	PLA-100-450-BK	PLA-125-450-YE	N/A
COLOR		YE	YE	YE	BK	YE	YE	YE	BK	YE	BK
SLEEVE SIZE		PMA-90/30	55	55	PMA-70/25	55	90	90	100	125	160



*PMA - HIGH SHRINK SLEEVE.
- SPCCS. SAME AS PLA.
- EXPENSIVE THAN PLA (NEEDS LONGER LEAD TIME).
- HIGH SHRINK TUBULAR BACKING.



MATERIAL:

ACCORDING TO FDOT SPECIFICATION
POST TENSIONING, SECTION 462 - 4, 2, 6, 3.

NOTES:

- ORDER DIRECT FROM CANUSA
TEL. 281 367 - 8866
FAX. 281 367 - 4304
- ABOVE TABLE APPLIES TO INTERNAL USE ONLY.
- SELECT ORDER LENGTH AS A MULTIPLE OF THE
ACTUAL LENGTH. SEE OPTION A OR B.
- *NO CONNECTION DETAILS DEVELOPED.
- OTHER COLORS SLEEVE MAY BE AVAILABLE UPON REQUEST.
- OD₁ IS MAX. OD W/ RIBS AND OD₂ IS MAX. OD W/O RIBS
- N/A MEANS NOT AVAILABLE OR NOT ASSIGNED YET.
- ALWAYS HEAT THE DUCT ENDS FIRST.

TUBULAR SLEEVE	TUBULAR SLEEVE DIAMETER	
	AS SUPPLIED	FULLY RECOVERED
PLA 55-YYY ZZ	3.5" [90mm]	2.3" [55mm]
PLA 63-YYY ZZ	3.5" [90mm]	2.5" [63mm]
PLA 90-YYY ZZ	4.8" [120mm]	3.3" [81mm]
PLA 100-YYY ZZ	5" [130mm]	3.5" [90mm]
PLA 115-YYY ZZ	5.5" [145mm]	3.8" [98mm]
PLA 125-YYY ZZ	6.3" [160mm]	4.3" [110mm]
PLA 160-YYY ZZ	7.5" [190mm]	5.2" [130mm]
PLA 170-YYY ZZ	8" [205mm]	5.5" [140mm]
PLA 230-YYY ZZ	10" [260mm]	7" [180mm]
PLA 280-YYY ZZ	12.3" [315mm]	8.3" [211mm]
PLA 315-YYY ZZ	14" [360mm]	9.5" [245mm]
PMA 90/30	3.5" [90mm]	1.2" [30mm]
PMA 70/25	2.8" [70mm]	1.0" [25mm]

APPROVED BY FDOT 05-31-07

DIMENSIONS: INCH [mm] mm FOR REFERENCE ONLY						REV.		DATE		NAME		PART NUMBERS:	
HEAT SHRINK SLEEVE SIZES FOR INTERNAL APPLICATIONS												SEE TABLE ABOVE	
		SCALE NTS											
										DRAWING NUMBER: PLA-0-0-0			
DATE: 05-31-07		DWG: I. TIRA		CHK: E.A.		APP: K.S.							
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