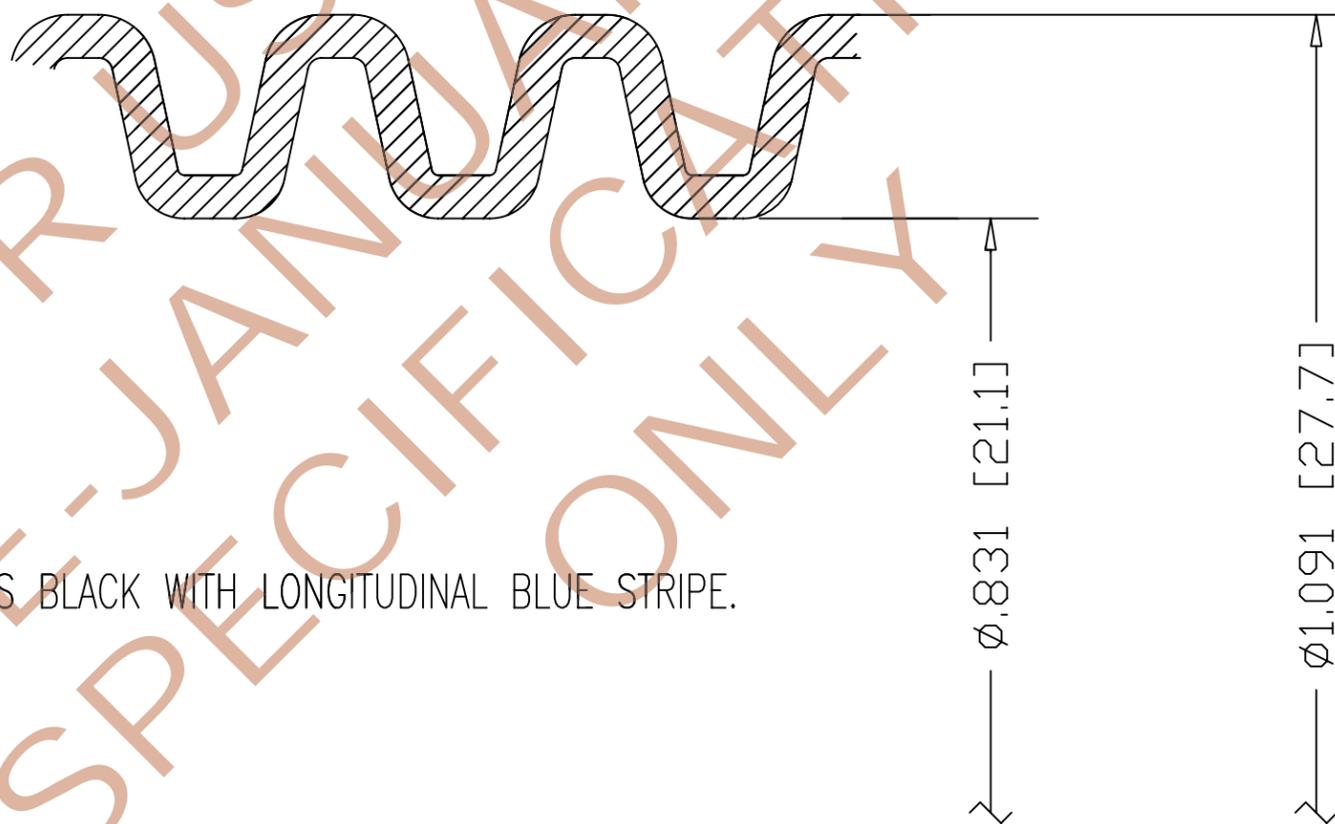
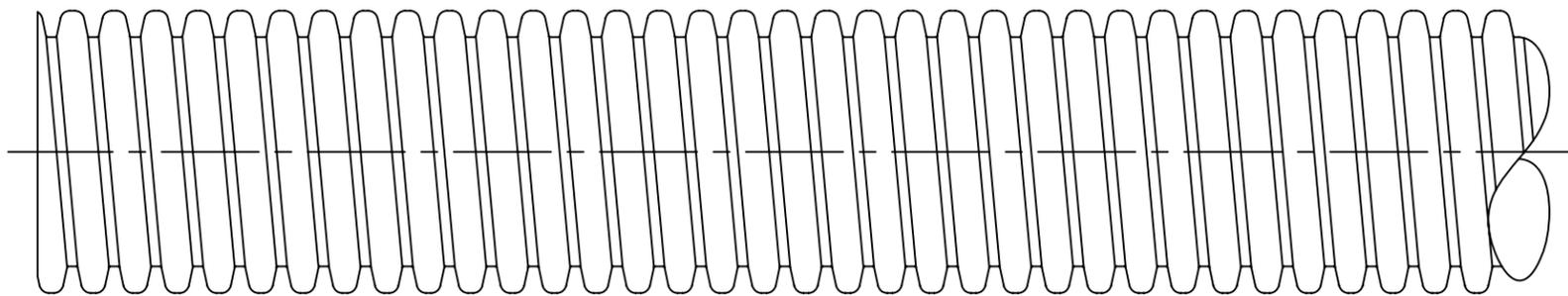


- NOTES:
1. NO PART NUMBER OR IDENTIFICATION MARKS ON STRAND.
 2. MUST BE DOMESTIC STRAND.

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:

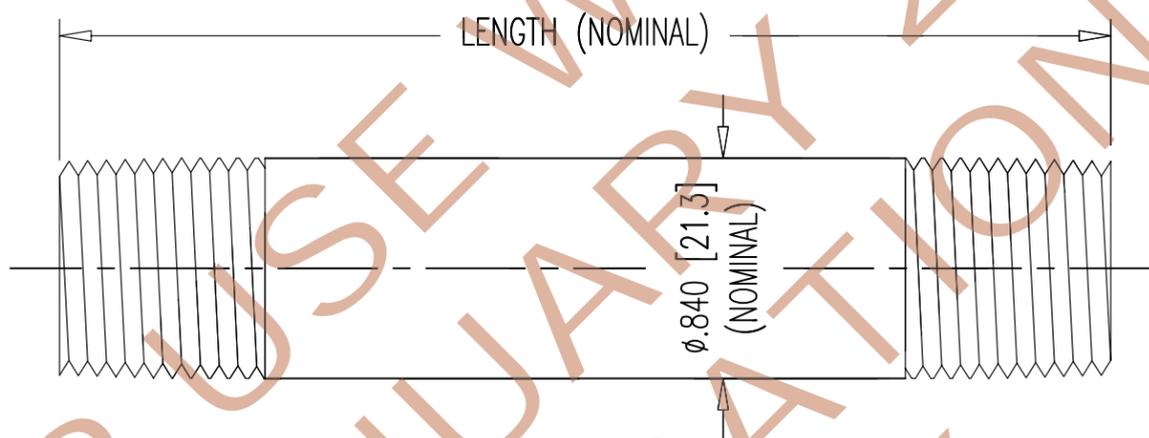
1. GROUT TUBE IS BLACK WITH LONGITUDINAL BLUE STRIPE.

MANUFACTURER: DSI

MANUFACTURER'S PART NUMBER: 00 00 801

APPROVED BY FDOT 09-14-07

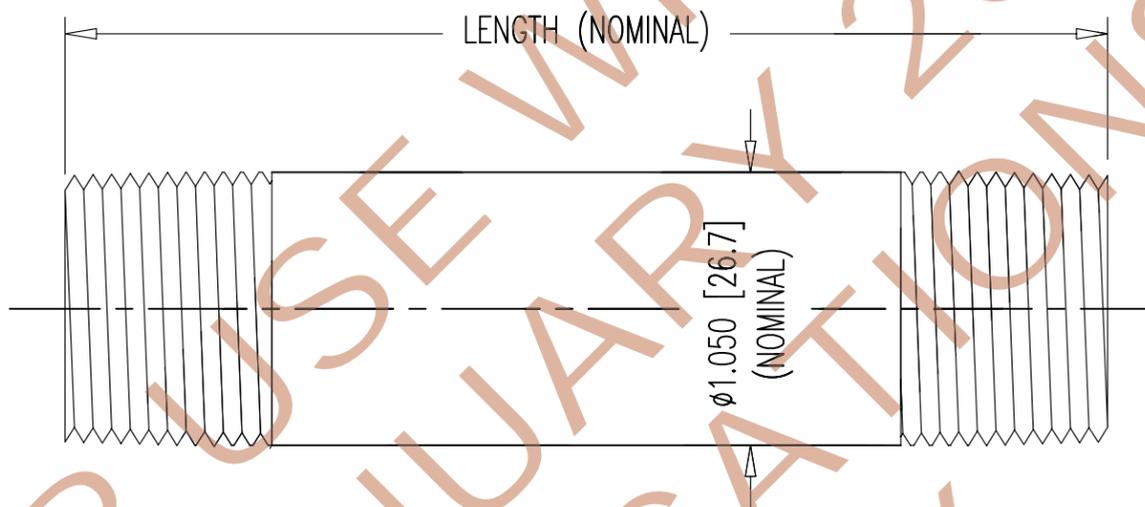
DIMENSIONS: INCH [mm] IN. FOR REFERENCE ONLY		QUALITY PLAN NUMBER:		TOLERANCES: ±.020 UNLESS NOTED		REV.	DATE	NAME	PART NUMBER: 00 00 801	
21mm GROUT TUBE, STANDARD DUTY				MATERIAL: HDPE MEETING OIT REQUIREMENTS		SCALE 1:1 6:1				DRAWING NUMBER: 00 00 801
DATE: 09-14-07	DWG: G. MALECKI	CHK: S.Y.	APP: K.S.	THIS DRAWING, THE PERTINENT ENCLOSURES, DESCRIPTIONS, CALCULATIONS ETC. AND THEIR CONTENTS ARE THE PROPERTY OF DYWIDAG SYSTEMS INTERNATIONAL, USA, INC. THEY ARE NOT ALLOWED TO BE DUPLICATED WITHOUT OUR PERMISSION. THEY ARE ALSO NOT TO BE SHOWN OR EXPLAINED FOR ANY REASON TO A THIRD PARTY OTHER THAN FOR REASONS EXPRESSLY INTENDED BY DSI's SUBMITTAL TO THE ORIGINAL RECEIVER. THEY HAVE TO BE RETURNED UPON REQUEST.				DYWIDAG-SYSTEMS INTERNATIONAL, USA, INC. 320 MARMON DRIVE - BOLINGBROOK, IL 60440 PHONE: 630-739-1100 FAX: 630-739-1405		



PART NUMBER	LENGTH	WEIGHT
00 00 672	4" [101.6mm]	0.28 LBS.
00 00 674	6" [152.4mm]	0.43 LBS.
00 00 676	12" [304.8mm]	0.85 LBS.

APPROVED BY FDOT 09-14-07

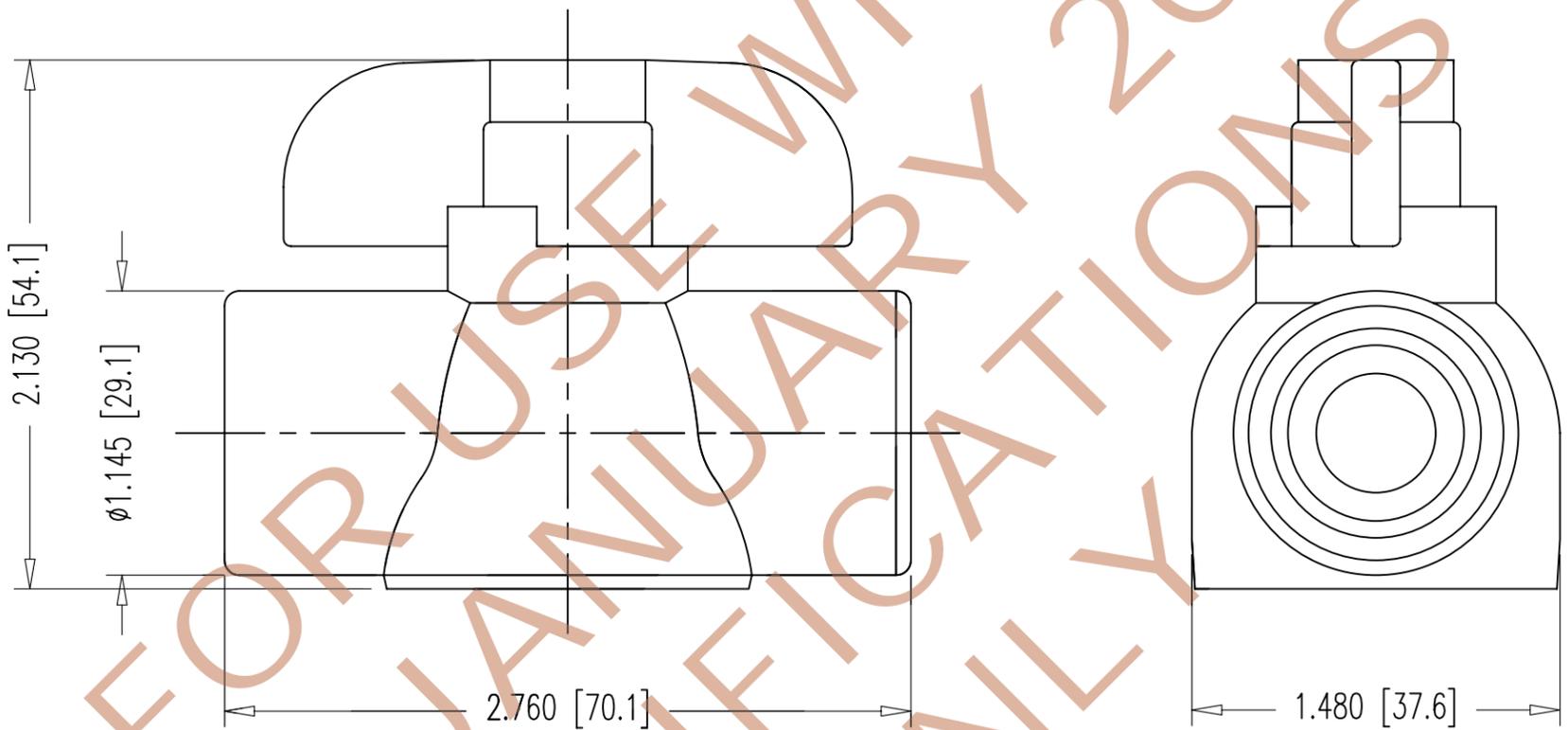
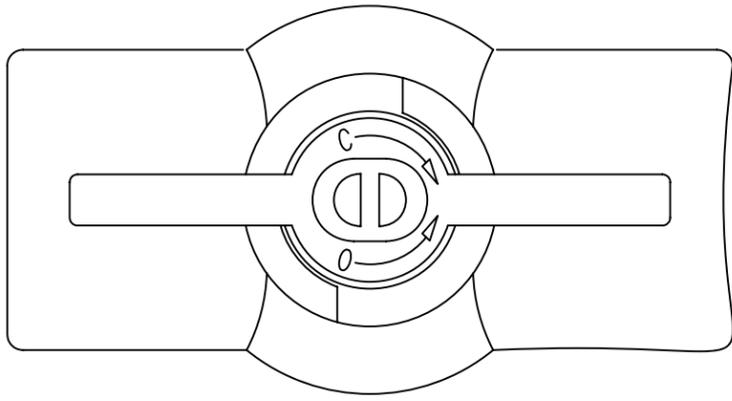
DIMENSIONS: INCH [mm] mm FOR REFERENCE ONLY		QUALITY PLAN NUMBER:		REV.	DATE	NAME	PART NUMBER: 00 00 672 00 00 674 00 00 676
1/2" PIPE NIPPLES				MATERIAL: SCH 40 BLACK WELDED STEEL	SCALE 1:1		DRAWING NUMBER: 00 00 676
							DATE: 09-14-07
THIS DRAWING, THE PERTINENT ENCLOSURES, DESCRIPTIONS, CALCULATIONS ETC. AND THEIR CONTENTS ARE THE PROPERTY OF DYWIDAG SYSTEMS INTERNATIONAL, USA, INC. THEY ARE NOT ALLOWED TO BE DUPLICATED WITHOUT OUR PERMISSION. THEY ARE ALSO NOT TO BE SHOWN OR EXPLAINED FOR ANY REASON TO A THIRD PARTY OTHER THAN FOR REASONS EXPRESSLY INTENDED BY DSI's SUBMITTAL TO THE ORIGINAL RECEIVER. THEY HAVE TO BE RETURNED UPON REQUEST.				DYWIDAG-SYSTEMS INTERNATIONAL, USA, INC. 320 MARMON DRIVE - BOLINGBROOK, IL 60440 PHONE: 630-739-1100 FAX: 630-739-1405			



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

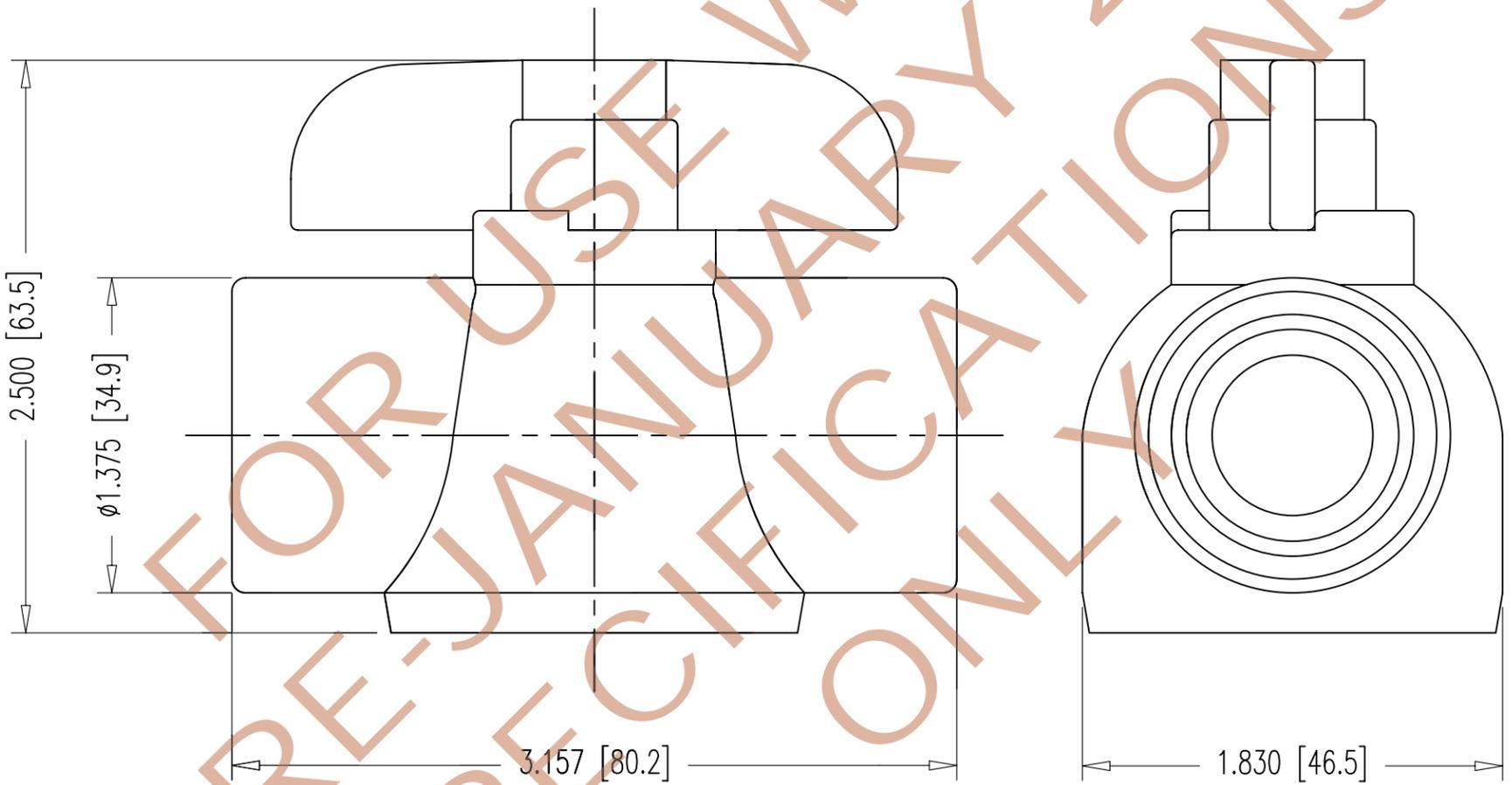
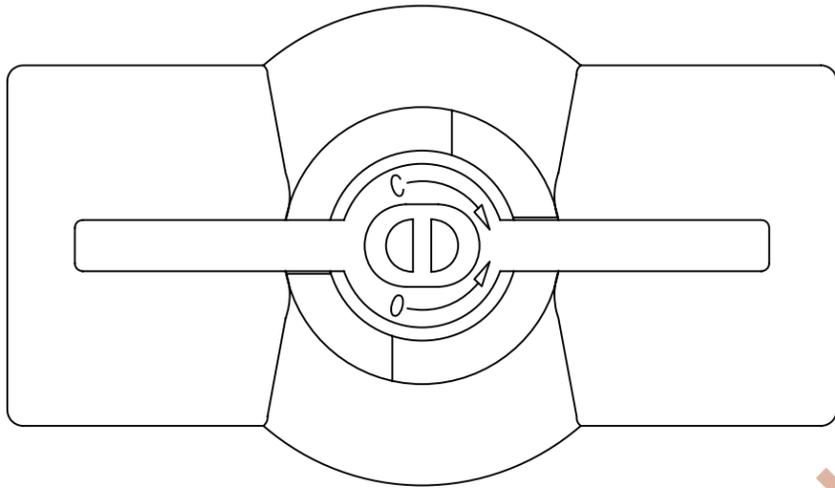
DIMENSIONS: INCH [mm] mm FOR REFERENCE ONLY		QUALITY PLAN NUMBER:		REV.		DATE	NAME	PART NUMBER: 00 00 872 00 00 874 00 00 876	
3/4" PIPE NIPPLES				MATERIAL: SCH 40 BLACK WELDED STEEL		SCALE 1:1		DRAWING NUMBER: 00 00 876	
THIS DRAWING, THE PERTINENT ENCLOSURES, DESCRIPTIONS, CALCULATIONS ETC. AND THEIR CONTENTS ARE THE PROPERTY OF DYWIDAG SYSTEMS INTERNATIONAL, USA, INC. THEY ARE NOT ALLOWED TO BE DUPLICATED WITHOUT OUR PERMISSION. THEY ARE ALSO NOT TO BE SHOWN OR EXPLAINED FOR ANY REASON TO A THIRD PARTY OTHER THAN FOR REASONS EXPRESSLY INTENDED BY DSI's SUBMITTAL TO THE ORIGINAL RECEIVER. THEY HAVE TO BE RETURNED UPON REQUEST.				DYWIDAG-SYSTEMS INTERNATIONAL, USA, INC. 320 MARMON DRIVE - BOLINGBROOK, IL 60440 PHONE: 630-739-1100 FAX: 630-739-1405					



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:		WEIGHT 0.138 LBS.	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				
THIS DRAWING, THE PERTINENT ENCLOSURES, DESCRIPTIONS, CALCULATIONS ETC. AND THEIR CONTENTS ARE THE PROPERTY OF DYWIDAG SYSTEMS INTERNATIONAL, USA, INC. THEY ARE NOT ALLOWED TO BE DUPLICATED WITHOUT OUR PERMISSION. THEY ARE ALSO NOT TO BE SHOWN OR EXPLAINED FOR ANY REASON TO A THIRD PARTY OTHER THAN FOR REASONS EXPRESSLY INTENDED BY DSI's SUBMITTAL TO THE ORIGINAL RECEIVER. THEY HAVE TO BE RETURNED UPON REQUEST.								



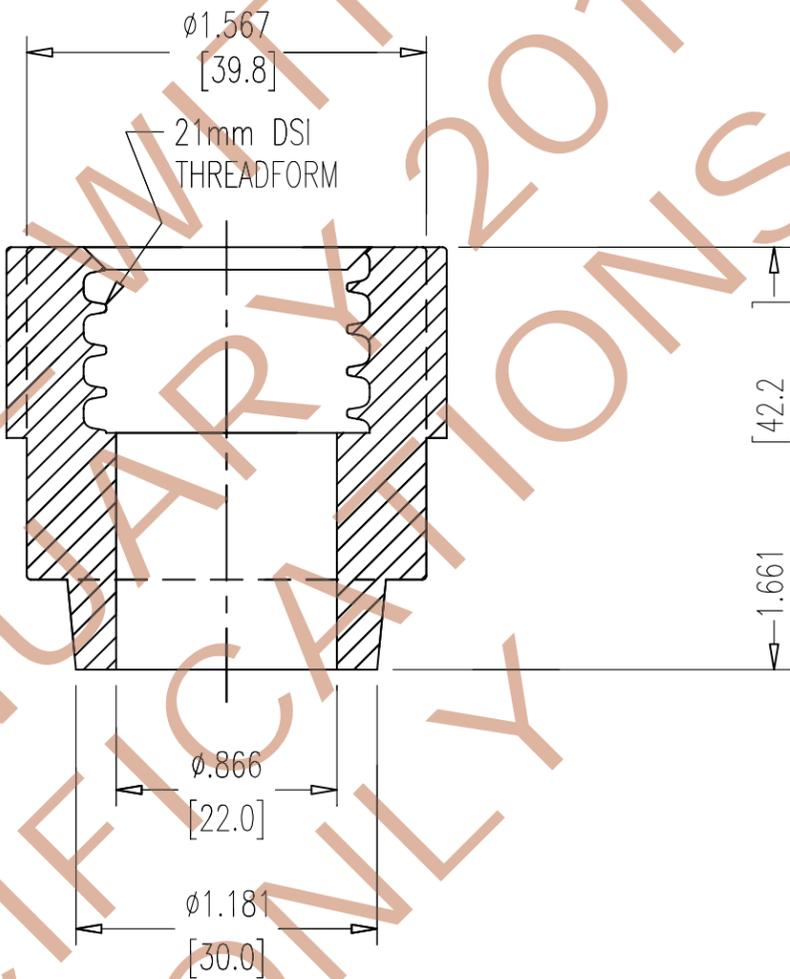
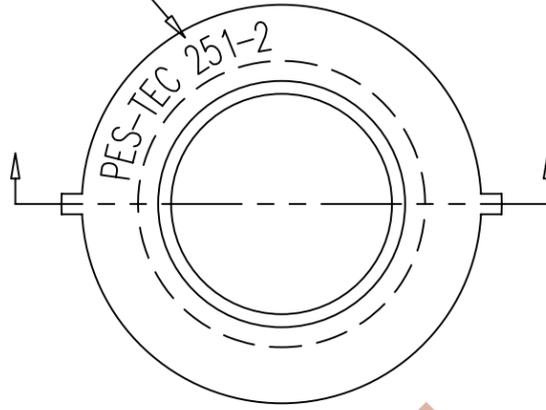
NOTE:
ALL DIMENSION MEASURED.

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
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					
THIS DRAWING, THE PERTINENT ENCLOSURES, DESCRIPTIONS, CALCULATIONS ETC. AND THEIR CONTENTS ARE THE PROPERTY OF DYWIDAG SYSTEMS INTERNATIONAL, USA, INC. THEY ARE NOT ALLOWED TO BE DUPLICATED WITHOUT OUR PERMISSION. THEY ARE ALSO NOT TO BE SHOWN OR EXPLAINED FOR ANY REASON TO A THIRD PARTY OTHER THAN FOR REASONS EXPRESSLY INTENDED BY DSI's SUBMITTAL TO THE ORIGINAL RECEIVER. THEY HAVE TO BE RETURNED UPON REQUEST.									

"PES-TEC" & "251-2"
MARKINGS



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

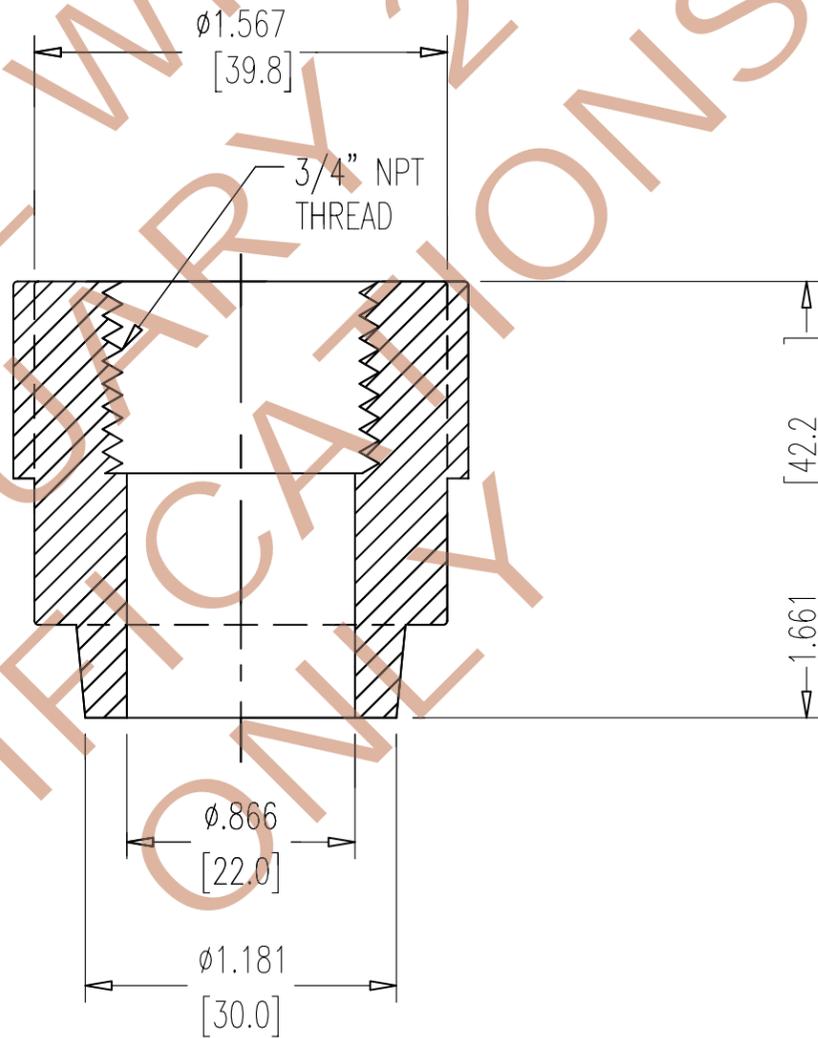
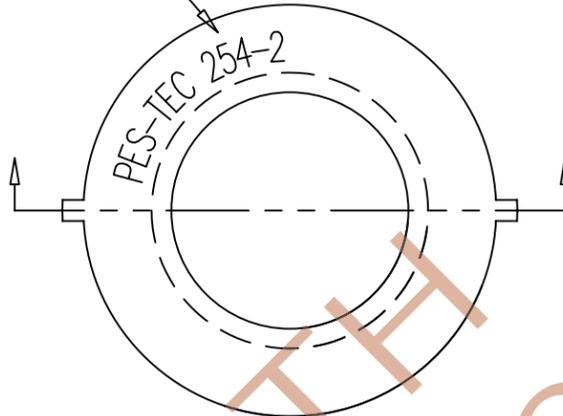
COLOR: GREY

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. 1 DATE 05-09-07 NAME S.N.	PART NUMBER: 00 00 857
21mm PP GROUT VENT PORT				MATERIAL: POLYPROPYLENE (GREY COLOR)	SCALE 1:1	REV. 2 DATE 08-14-07 NAME S.N.	
DATE: 09-14-07	DWG: G. MALECKI	CHK: E.A.	APP: K.S.				DRAWING NUMBER: 00 00 857
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"PES-TEC" & "254-2"
MARKINGS



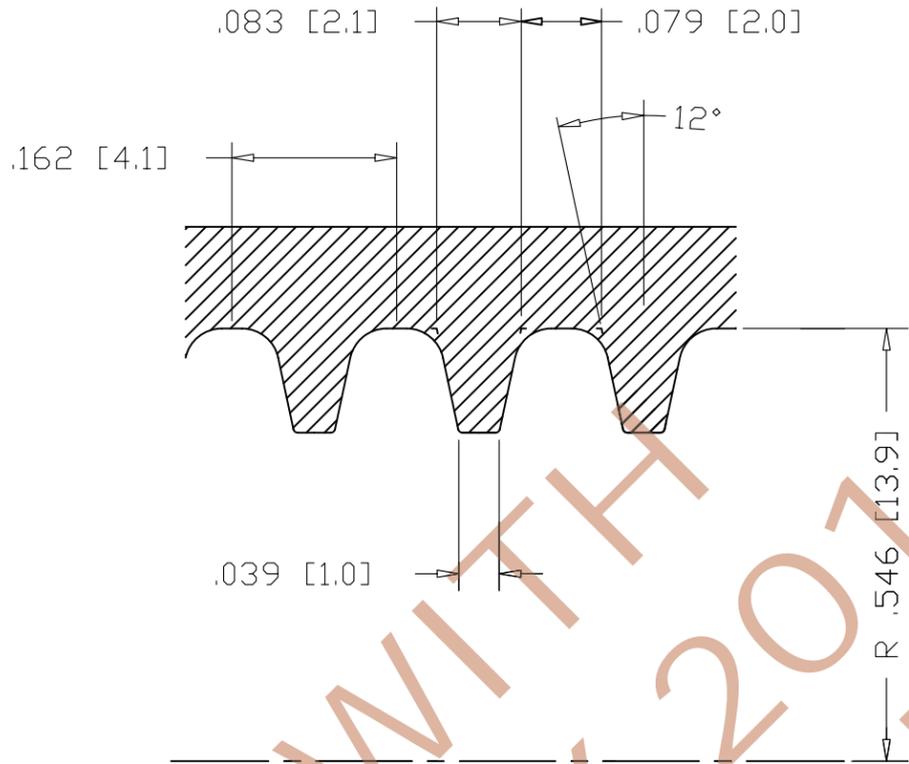
MANUFACTURER: PES-TEC.
MANUFACTURER PART NUMBER: 254-2.

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.

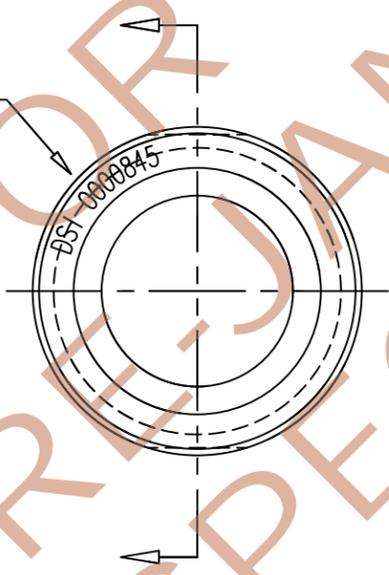
APPROVED BY FDOT 09-14-07

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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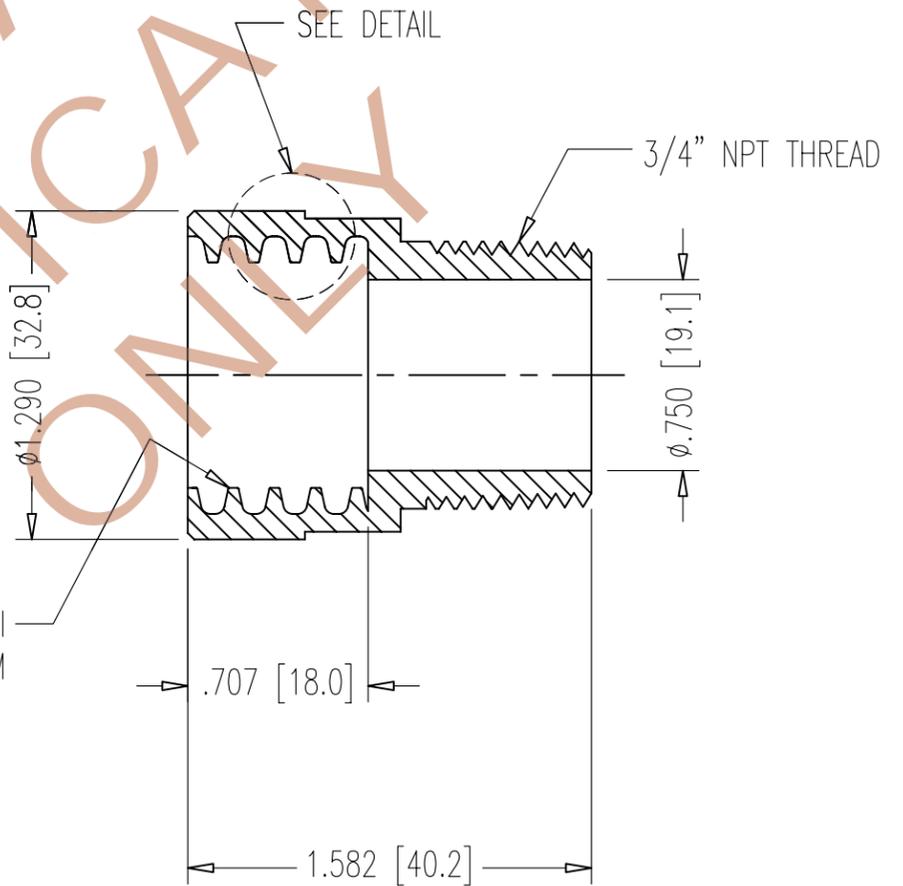


20% GLASS FILLED NYLON
 WITH A CELL CLASS S-PA 0141,
 S-PA 0231 OR S-PA 0401
 COLOR: BLACK

2
 "DSI" & "0000845"
 MARKINGS



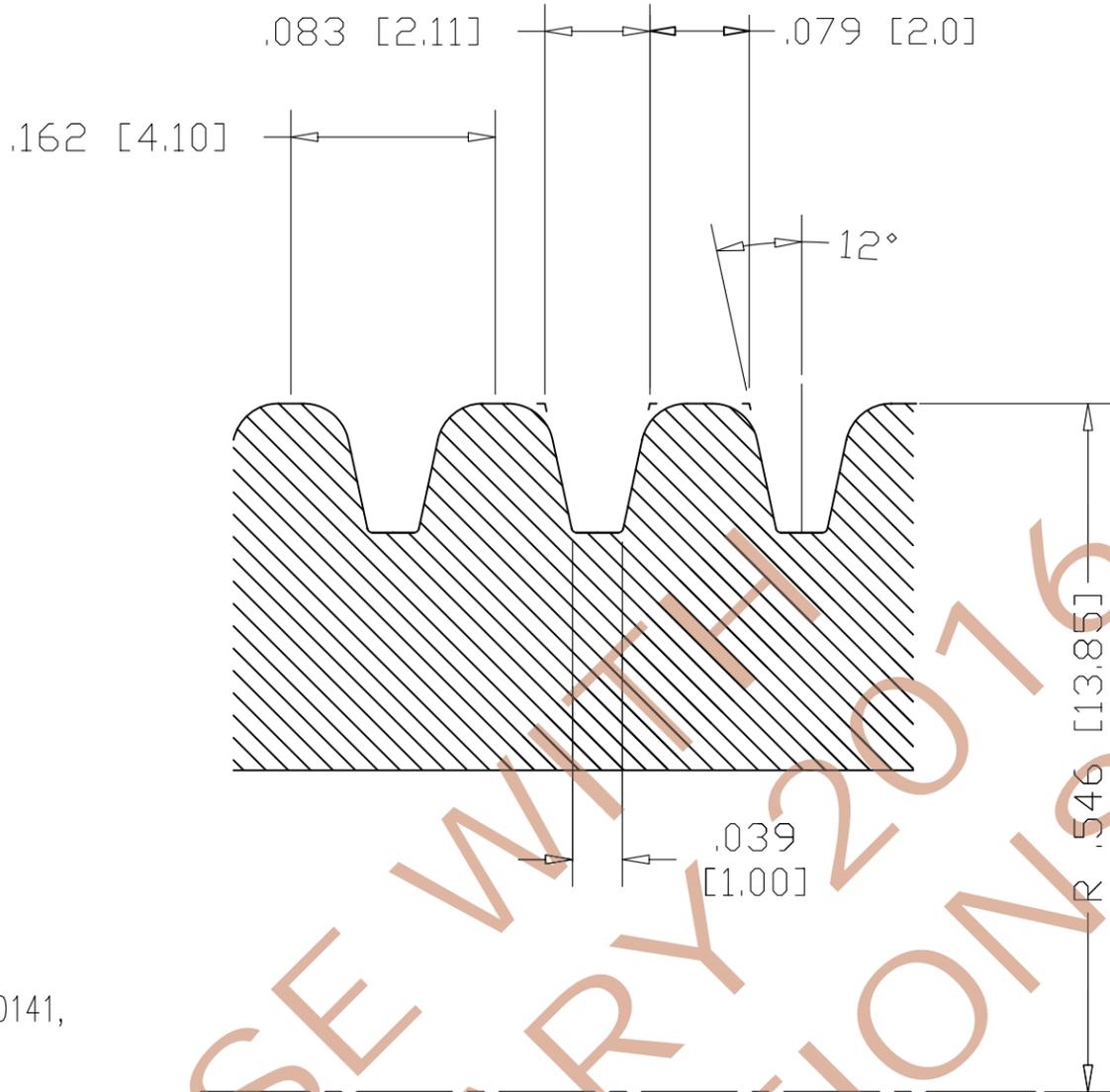
21mm DSI
 THREADFORM



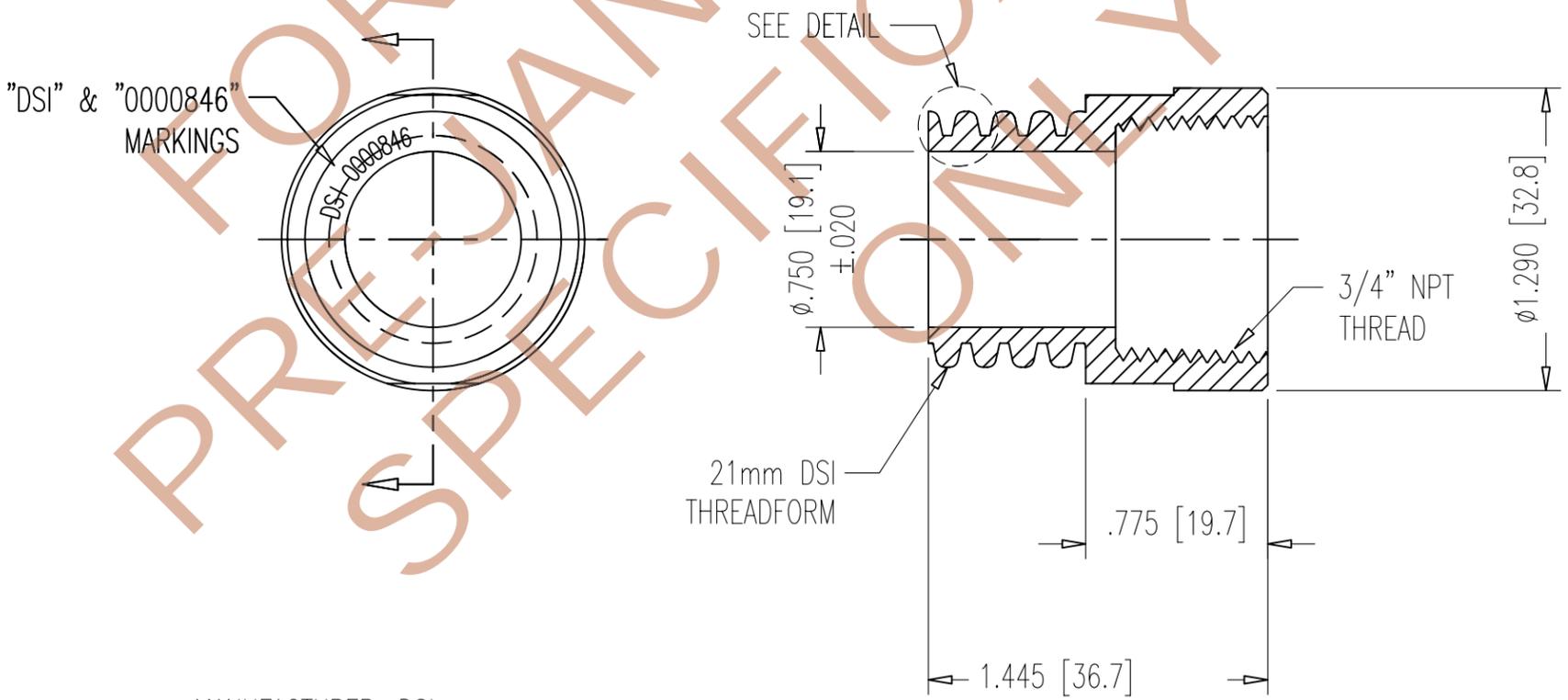
2
 MANUFACTURER: DSI
 MANUFACTURER'S PART NUMBER: 00 00 845

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. 1 2	DATE 12-18-06 05-09-07	NAME S.N. S.N.	PART NUMBER: 00 00 845
21mm FEMALE-3/4" NPT MALE CONNECTOR				MATERIAL: SEE ABOVE	SCALE 1:1 4:1				DRAWING NUMBER: 00 00 845
				DATE: 09-14-07 DWG: G. MALECKI CHK: E.A. APP: K.S.		THIS DRAWING, THE PERTINENT ENCLOSURES, DESCRIPTIONS, CALCULATIONS ETC. AND THEIR CONTENTS ARE THE PROPERTY OF DYWIDAG SYSTEMS INTERNATIONAL, USA, INC. THEY ARE NOT ALLOWED TO BE DUPLICATED WITHOUT OUR PERMISSION. THEY ARE ALSO NOT TO BE SHOWN OR EXPLAINED FOR ANY REASON TO A THIRD PARTY OTHER THAN FOR REASONS EXPRESSLY INTENDED BY DSI's SUBMITTAL TO THE ORIGINAL RECEIVER. THEY HAVE TO BE RETURNED UPON REQUEST.		DYWIDAG-SYSTEMS INTERNATIONAL, USA, INC. 320 MARMON DRIVE - BOLINGBROOK, IL 60440 PHONE: 630-739-1100 FAX: 630-739-1405	



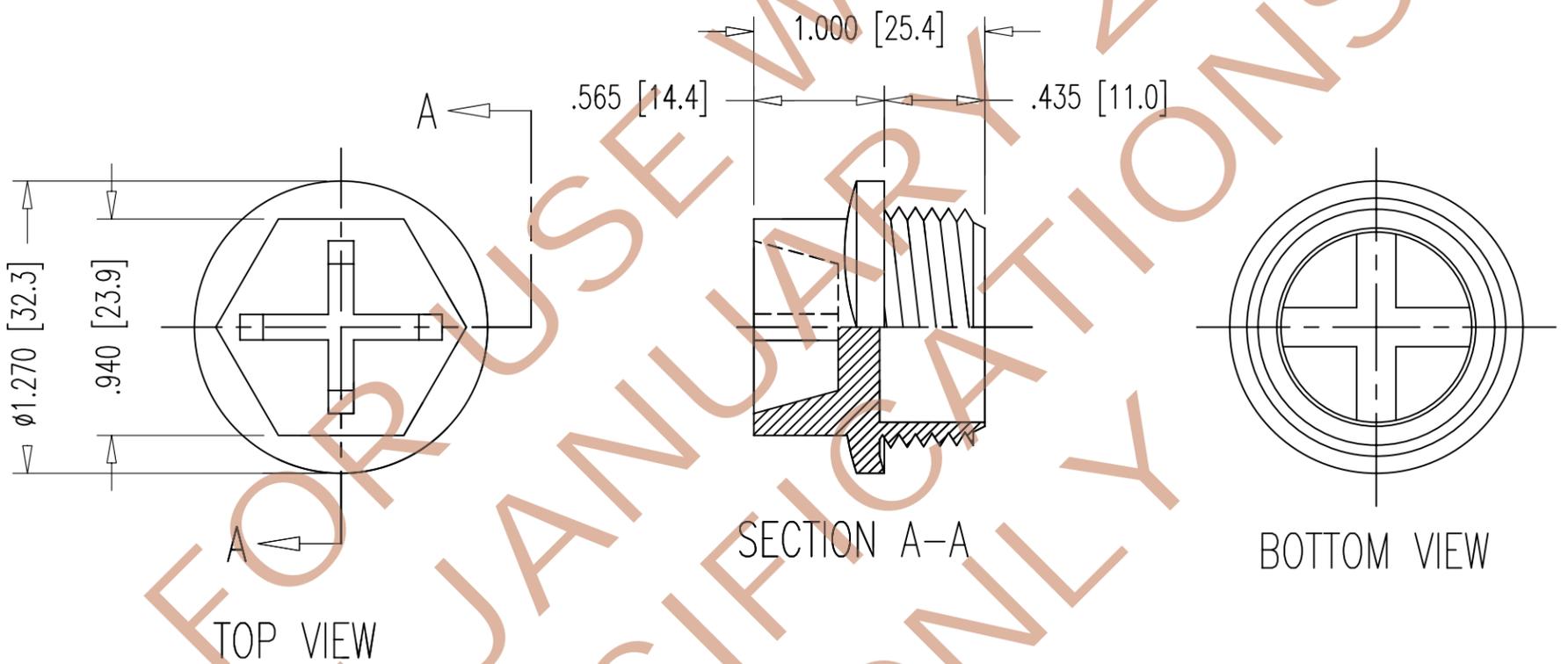
MATERIAL:
 20% GLASS FILLED NYLON
 WITH A CELL CLASS S-PA 0141,
 S-PA 0231 OR S-PA 0401
 COLOR: GREY



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.		THIS DRAWING, THE PERTINENT ENCLOSURES, DESCRIPTIONS, CALCULATIONS ETC. AND THEIR CONTENTS ARE THE PROPERTY OF DYWIDAG SYSTEMS INTERNATIONAL, USA, INC. THEY ARE NOT ALLOWED TO BE DUPLICATED WITHOUT OUR PERMISSION. THEY ARE ALSO NOT TO BE SHOWN OR EXPLAINED FOR ANY REASON TO A THIRD PARTY OTHER THAN FOR REASONS EXPRESSLY INTENDED BY DSI's SUBMITTAL TO THE ORIGINAL RECEIVER. THEY HAVE TO BE RETURNED UPON REQUEST.		DYWIDAG-SYSTEMS INTERNATIONAL, USA, INC. 320 MARMON DRIVE - BOLINGBROOK, IL 60440 PHONE: 630-739-1100 FAX: 630-739-1405	

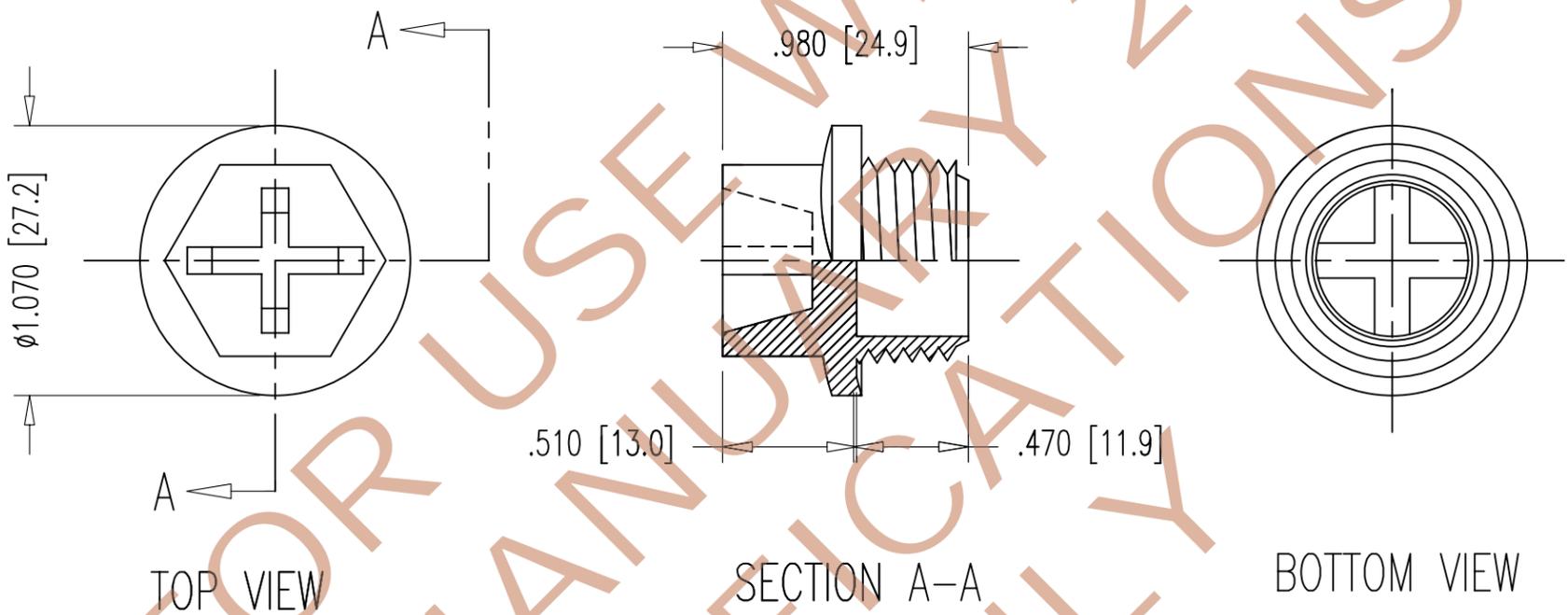


NOTE:
 ALL DIMENSIONS MEASURED.
 SPECIAL ORDER: NO STAMPED PART NUMBER.

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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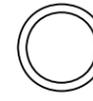
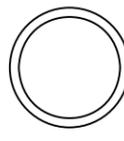
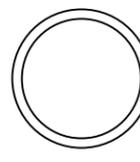
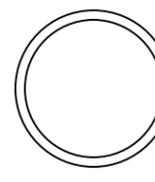
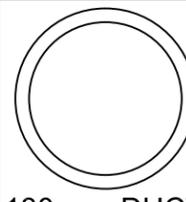
NOTE:
 ALL DIMENSIONS MEASURED.
 SPECIAL ORDER: NO STAMPED PART NUMBER.

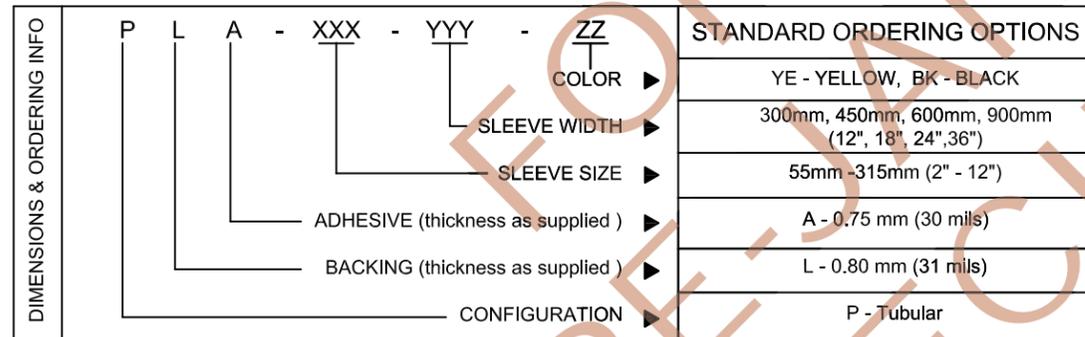
SUPPLIER:
 NIAGARA PLASTICS
 SUPPLIER PART # : BT 0500

APPROVED BY FDOT 05-31-07

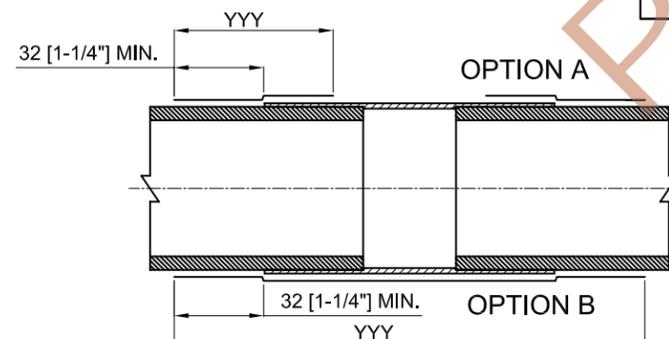
DIMENSIONS: INCH [mm] mm FOR REFERENCE ONLY		QUALITY PLAN NUMBER: Q000000040P		TOLERANCES: $\pm .010$ UNLESS NOTED	WEIGHT LBS.	REV.	DATE	NAME	PART NUMBER: 00 00 848
BT 0500 (1/2") NPT NYLON PLUG				MATERIAL: NYLON 6 COLOR: BLACK	SCALE 1:1				DRAWING NUMBER: 00 00 848
DATE: 05-31-07	DWG: G. MALECKI	CHK: S.Y.	APP: K.S.	THIS DRAWING, THE PERTINENT ENCLOSURES, DESCRIPTIONS, CALCULATIONS ETC. AND THEIR CONTENTS ARE THE PROPERTY OF DYWIDAG SYSTEMS INTERNATIONAL, USA, INC. THEY ARE NOT ALLOWED TO BE DUPLICATED WITHOUT OUR PERMISSION. THEY ARE ALSO NOT TO BE SHOWN OR EXPLAINED FOR ANY REASON TO A THIRD PARTY OTHER THAN FOR REASONS EXPRESSLY INTENDED BY DSI's SUBMITTAL TO THE ORIGINAL RECEIVER, THEY HAVE TO BE RETURNED UPON REQUEST.					
				DYWIDAG-SYSTEMS INTERNATIONAL, USA, INC. 320 MARMON DRIVE - BOLINGBROOK, IL 60440 PHONE: 630-739-1100 FAX: 630-739-1405					

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:

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

APPROVED BY FDOT 05-31-07

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]

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