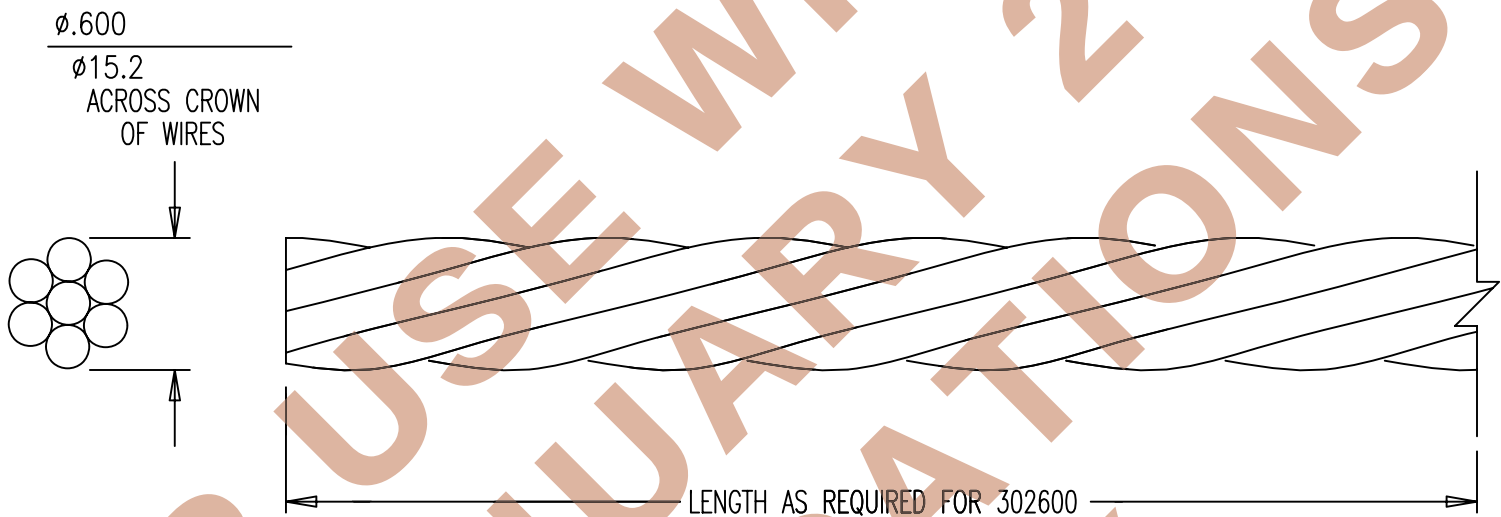
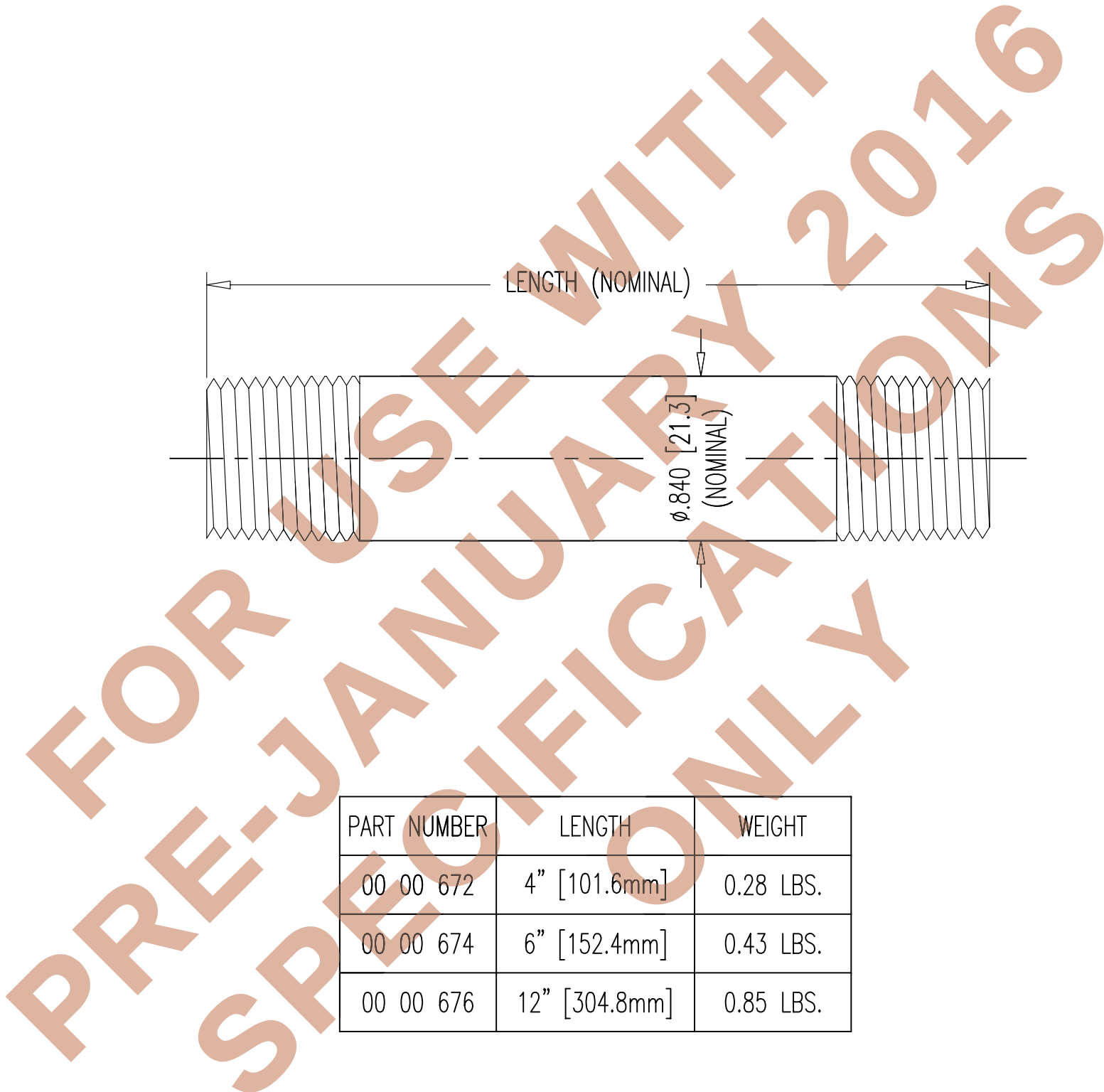




- NOTES:
- 1. NO PART NUMBER OR IDENTIFICATION MARKS ON STRAND.
 - 2. MUST BE DOMESTIC STRAND.

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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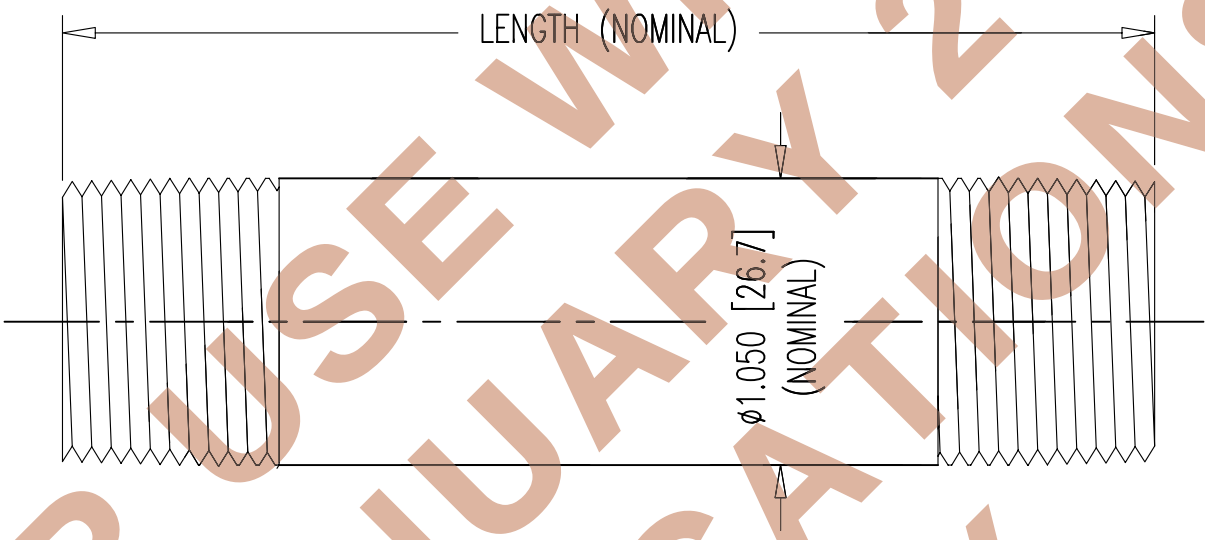
Technical drawing of a spring showing dimensions:

- LENGTH (NOMINAL)
- $\phi .840$ [21.3] (NOMINAL)

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

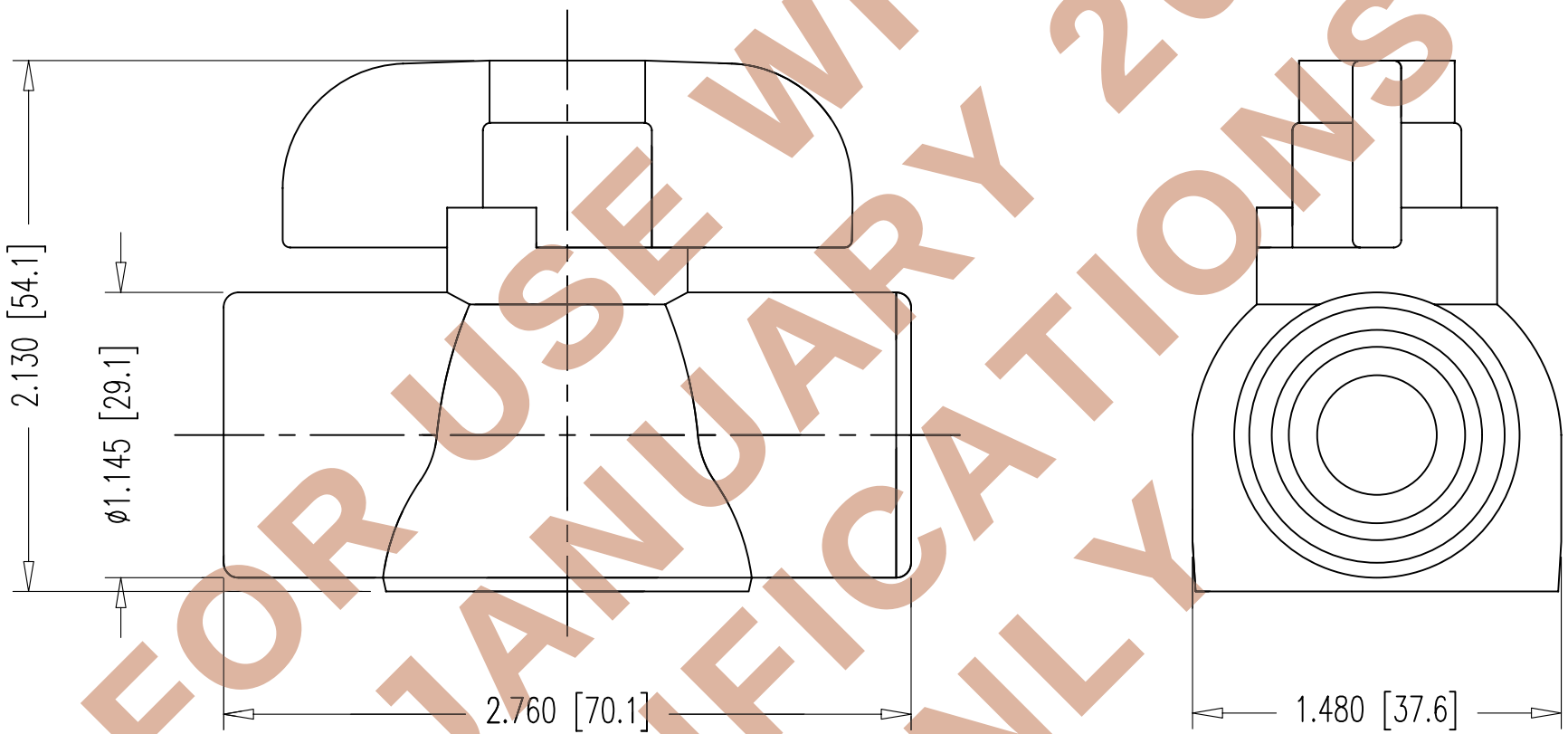
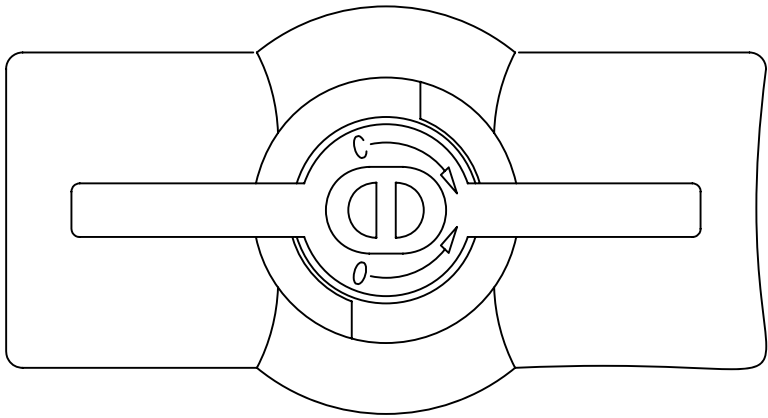
DIMENSIONS: INCH [mm] mm FOR REFERENCE ONLY		QUALITY PLAN NUMBER:				REV.	DATE	NAME		PART NUMBER:
1/2" PIPE NIPPLES				MATERIAL: SCH 40 BLACK WELDED STEEL	SCALE 1:1					00 00 672
										00 00 674
										00 00 676
DATE: 09-14-07	DWG: G. MALECKI	CHK: S.N.	APP: K.S.							DRAWING NUMBER:
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DYWIDAG-SYSTEMS INTERNATIONAL, USA, INC. 320 MARMON DRIVE - BOLINGBROOK, IL 60440 PHONE: 630-739-1100FAX: 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

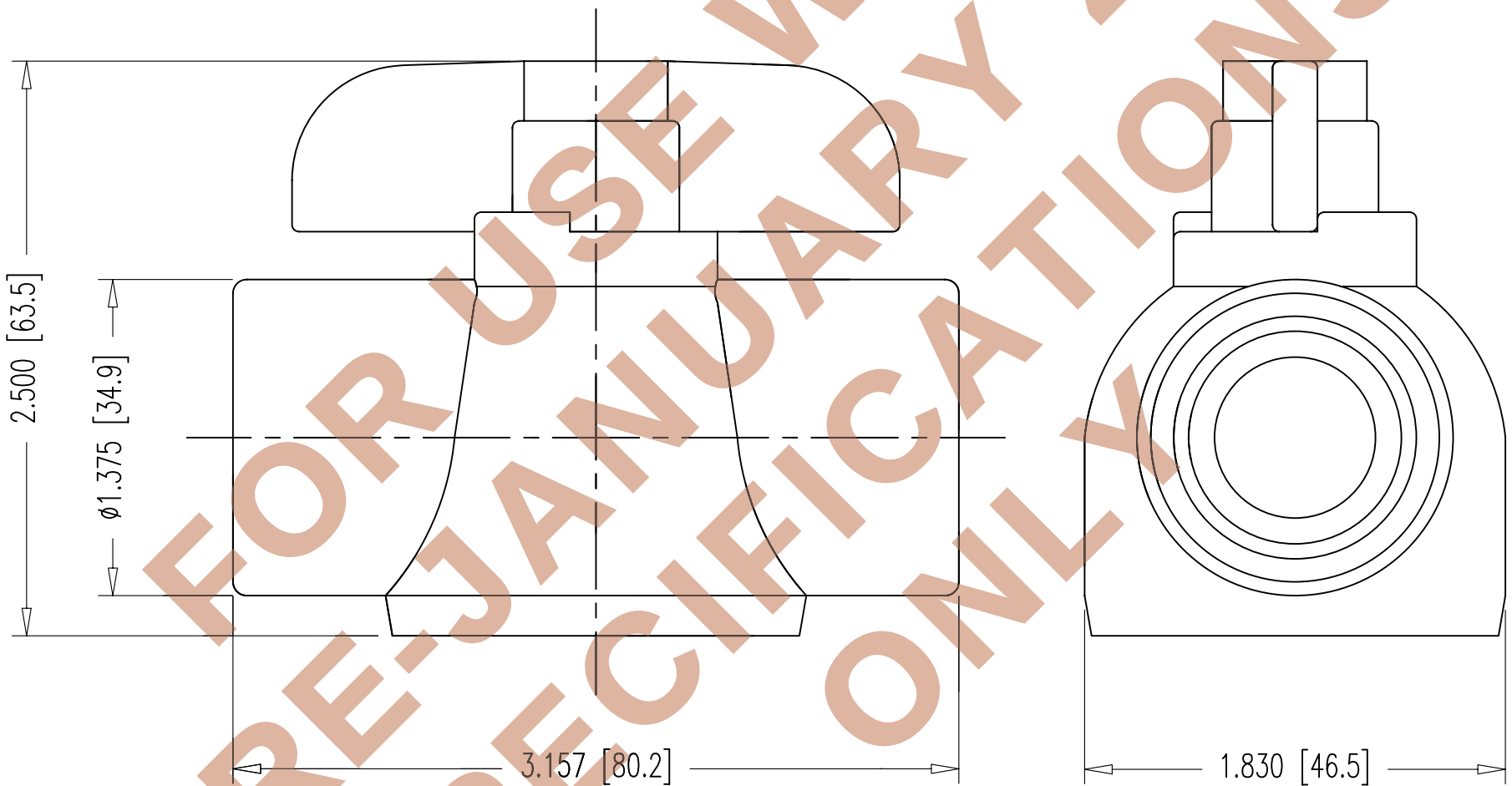
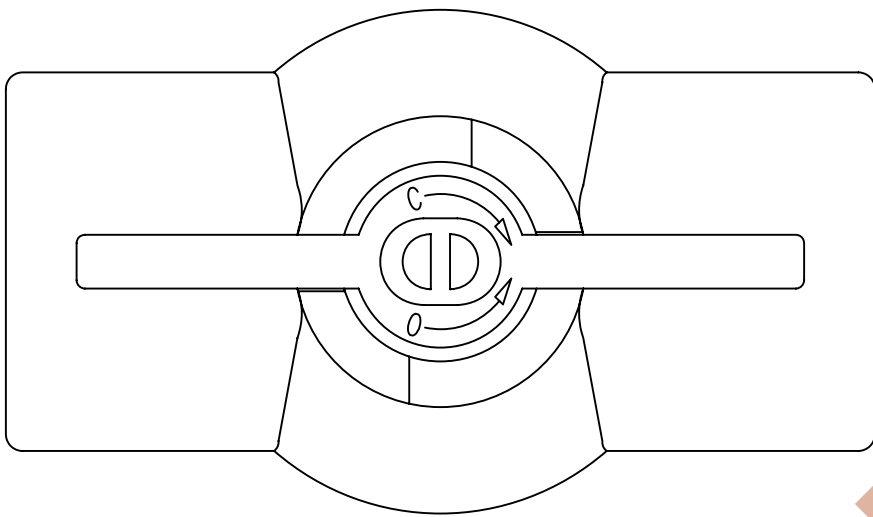
DIMENSIONS: INCH [mm] mm FOR REFERENCE ONLY		QUALITY PLAN NUMBER:				REV.	DATE	NAME		PART NUMBER:	
3/4" PIPE NIPPLES						MATERIAL: SCH 40 BLACK WELDED STEEL	SCALE 1:1				00 00 872
											00 00 874
											00 00 876
DATE: 09-14-07	DWG: G. MALECKI	CHK: S.N.	APP: K.S.								DRAWING NUMBER:
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NOTE:
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		
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.												
												



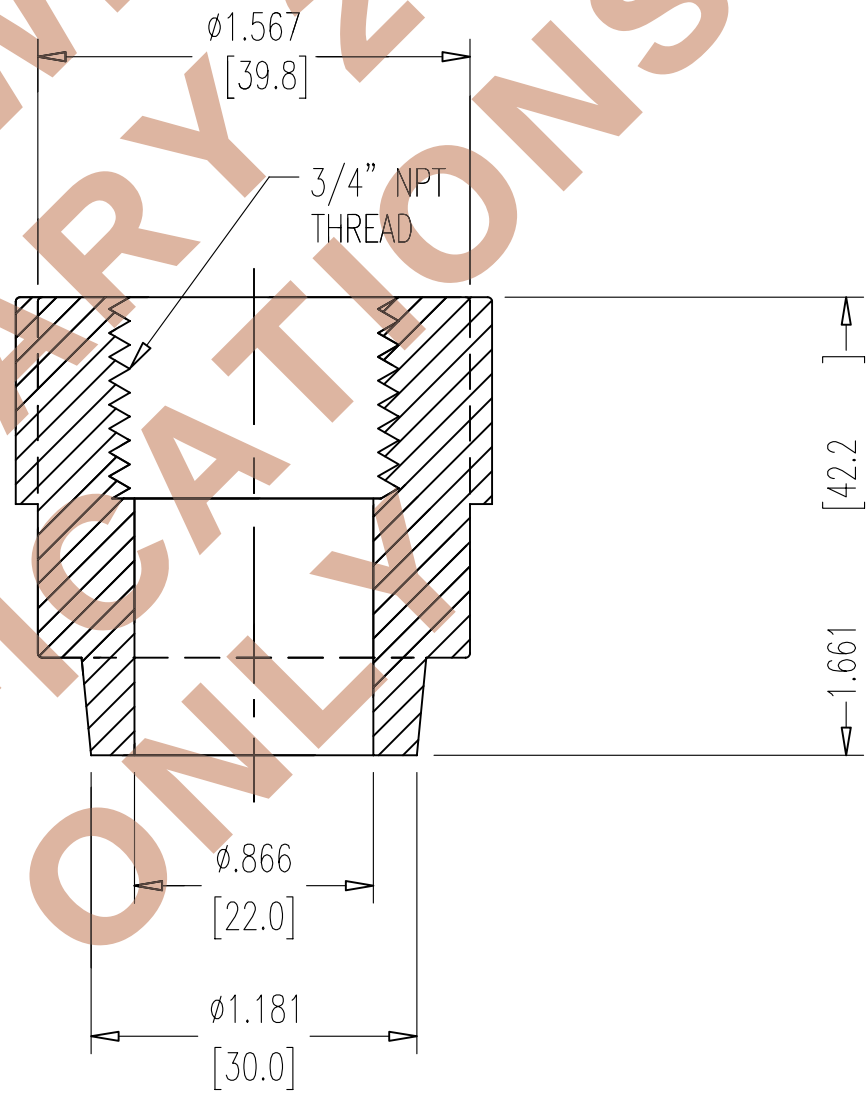
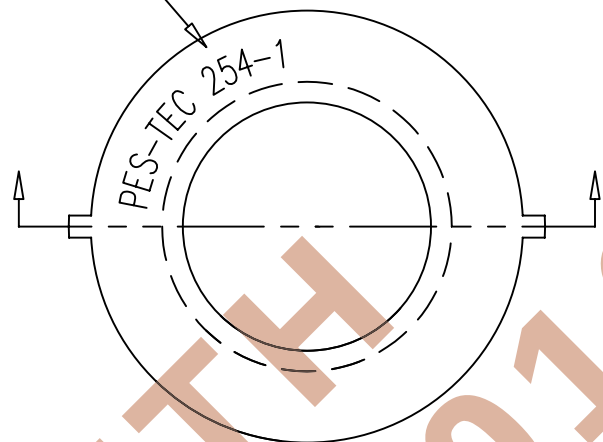
NOTE:
ALL DIMENSION MEASURED.

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	SCALE 1:1			
DATE: 09-14-07	DWG: G. MALECKI	CHK: S.N.	APP: E.A.						
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"PES-TEC" & "254-1"
MARKINGS



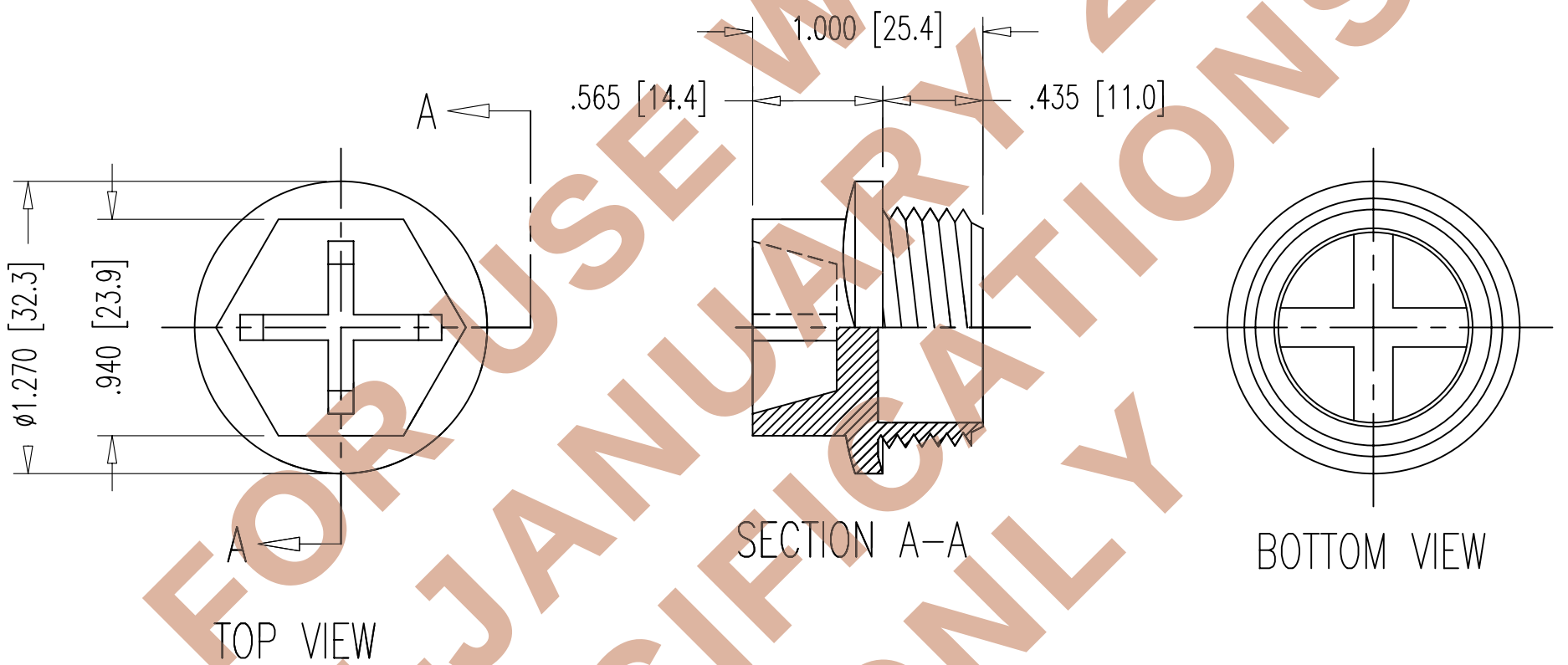
WELDING OPERATIONS:
DRILL A HOLE USING SPECIFIED CONE DRILL TOOL
WHEREVER NEEDED IN COMMON HDPE DUCTS OF
ALL BRANDS. HEAT UP HDPE GROUT PORT AND
THE HOLE IN DUCT FOR ABOUT 10 SECONDS
USING PES-TEC WELDING EQUIPMENT. RELEASE THE
GROUT PORT AND PRESS INTO THE HOLE IN DUCT
BY HAND FOR 15 SECONDS.

MANUFACTURER: PES-TEC.
MANUFACTURER PART NUMBER: 254-1.

MATERIAL: POLYETHYLENE
COLOR: BLACK (UV PROTECTED)
USAGE: FOR SMOOTH HDPE EXTERNAL PIPES.

APPROVED BY FDOT 12-12-07

DIMENSIONS: INCH [mm] mm FOR REFERENCE ONLY		QUALITY PLAN NUMBER:		TOLERANCES: ±.020 UNLESS NOTED		WEIGHT 0.062 LBS.		REV.		DATE		NAME		PART NUMBER: 00 00 856	
3/4" NPT PE GROUT VENT PORT				MATERIAL: BLACK POLYETHYLENE (UV PROTECTED)		SCALE 1:1								DRAWING NUMBER: 00 00 856	
DATE: 04-02-07		DWG: G. MALECKI		CHK: E.A.		APP: K.S.									
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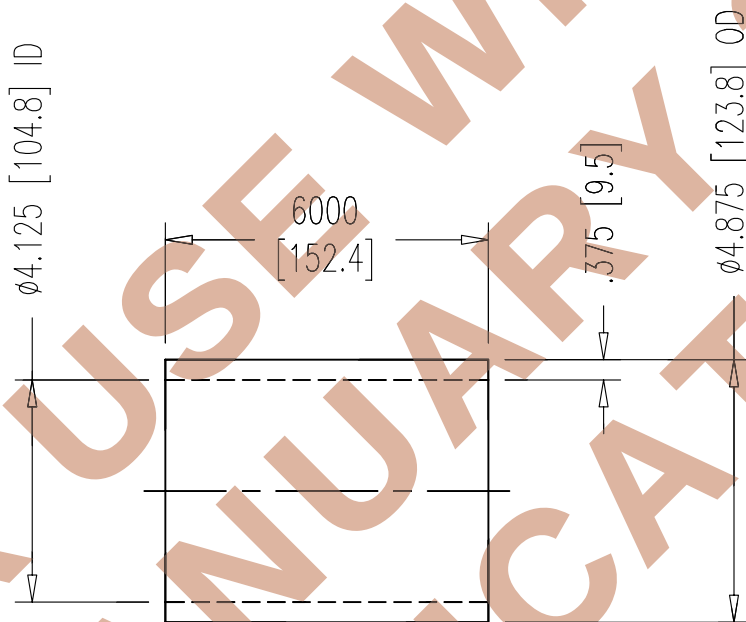
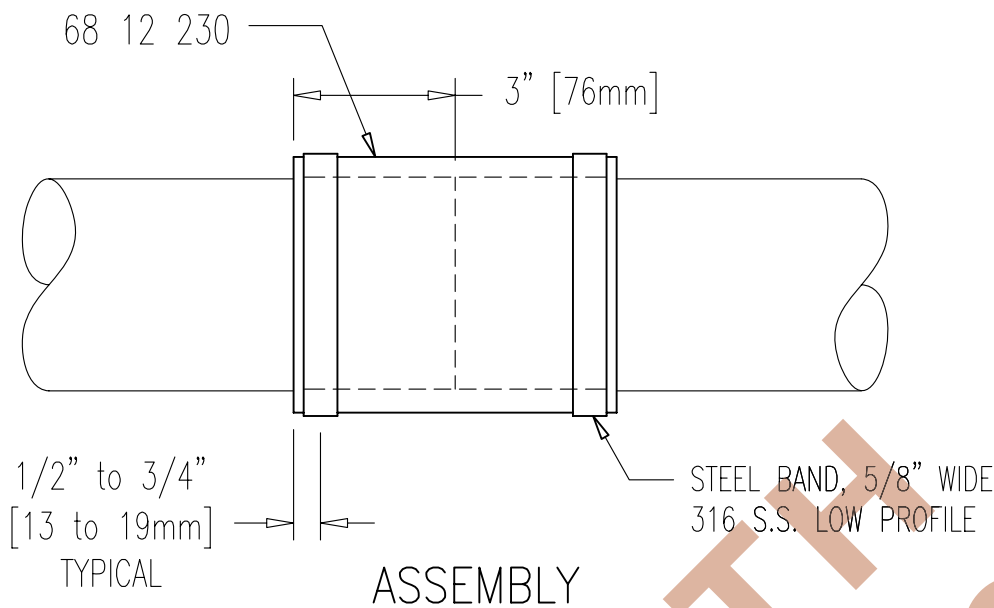


NOTE:
ALL DIMENSIONS MEASURED.
SPECIAL ORDER: NO STAMPED PART NUMBER.

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.	DYWIDAG-SYSTEMS INTERNATIONAL, USA, INC. 320 MARMON DRIVE - BOLINGBROOK, IL 60440 PHONE: 630-739-1100 FAX: 630-739-1405					
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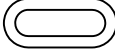
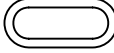
Ensure all connections between steel pipe embedded in concrete and plastic duct are made by using a mechanical coupler or a circular sleeve made of Ethylene Propylene Deine Monomer (EPDM), having a minimum pressure rating (working pressure) of 100 psi [0.69 MPa]. Use EPDM materials having 100% quality retention as defined by ASTM D 1171 Ozone Chamber Exposure Method B. Use EPDM sleeves having a minimum wall thickness of 3/8 inch [10mm] and be reinforced with a minimum of four ply polyester reinforcement.

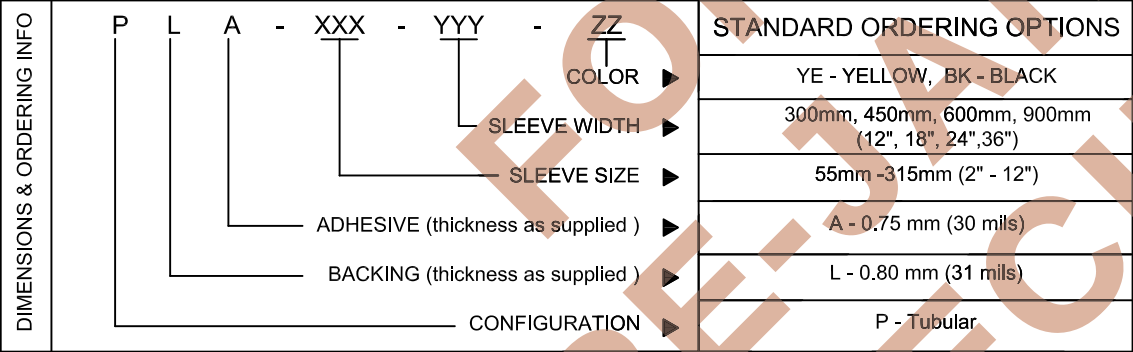
SPECIAL ORDER: NO STAMPED PART NUMBER

APPROVED BY FDOT 12-12-07

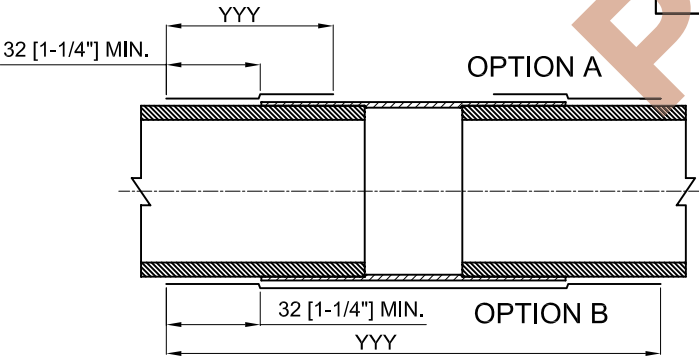
DIMENSIONS: INCH [mm] mm FOR REFERENCE ONLY		QUALITY PLAN NUMBER:		TOLERANCES: ±.030 UNLESS NOTED		WEIGHT XX LBS.		REV.	DATE	NAME		PART NUMBER: 68 12 230	
EPDM BOOT FOR 12-0.6" EXTERNAL PIPE CONNECTION				MATERIAL: EPDM (SEE NOTE)		SCALE 1:5						DRAWING NUMBER: 68 12 230	
DATE: 06-19-06	DWG: G. MALECKI	CHK: E.A.	APP: K.S.	DYWIDAG-SYSTEMS INTERNATIONAL, USA, INC. POST TENSIONING / REINFORCING UNIT PHONE: 630-739-1100 320 MARMON DRIVE - BOLINGBROOK, IL FAX: 630-739-1405									
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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				SCALE NTS		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:				
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				DYWIDAG-SYSTEMS INTERNATIONAL, USA, INC. 320 MARMON DRIVE - BOLINGBROOK, IL 60440 PHONE: 630-739-1100 FAX: 630-739-1405								