

NYLON 6, WHITE

NYLON 6, WHITE

POLYPROPYLENE

CLOSED CELL NEOPRENE BLEND

SILICONE

00 00 834 3/4" NPT BALL VALVE (TEMPORARY)

00 00 634 1/2" NPT BALL VALVE (TEMPORARY)

PREMIUM 100% SILICONE

ANS TEFLON TAPE OR PASTE FOR THREADS

00 00 861 (OPTIONAL) 3/4" NPT GROUT VENT PORT

00 00 678 1/2" NPT PIPE NIPPLE, LENGTH AS REQ'D (TEMP.)

00 00 849 3/4" NPT PLUG

00 00 649 1/2" NPT PLUG

68 00 583 1" x 1/4" SEAL

68 07 587 7-0.6" PE TRUMPET

301060 0.6" STRAND

7-0.6" FORGED WEDGE PLATE

U00220200 2-3/8" (59mm) CORR. DUCT (Rmin,=22.8 FT.) POLYPROPYLENE

68 07 7230 7-0.6" NYLON CAP WITH O-RING

U00220205 (OPTIONAL) 2-3/8" DUCT COUPLER

68 00 0536 3-PART WEDGE FOR 0.6" STRAND

U00044063 HEAT SHRINK SLEEVE, PLA-63-450-YE

68 07 142

POLYETHYLENE

O-RING: EPDM

POLYPROPYLENE

STEEL FORGING, ASTM A-521-76.

CAP: NYLON 6, 20% GLASS FILLED

ACCORDING TO FDOT SPEC, 960-2,2,1,8

NORMALIZED, BHN = 180-220

270 KSI LOW RELAX STRAND

AISI-C12L14 HEAT TREATED

INTERNAL GROUTED 7-0.6" MA SCH 40 BLACK STEEL **ASSEMBLY DRAWING**

DATE: 05/06/19 DWG: G. MALECKI CHK: S.I.

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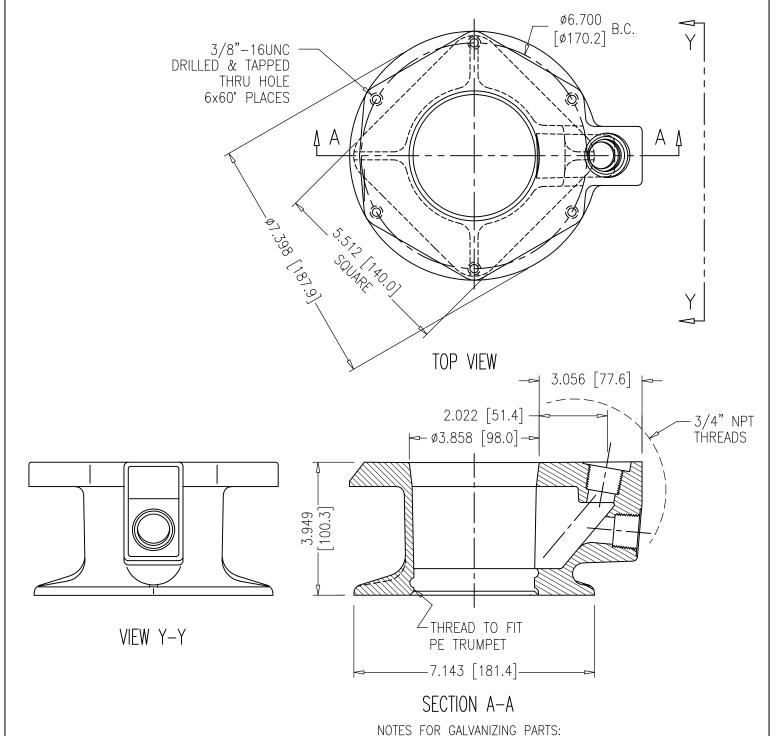
| | REV. | DATE | NAME | |
|-------|------|------|------|-----------------|
| | | | | |
| | | | | |
| SCALE | | | | |
| 1:6 | | | | |
| 1.0 | | | | DRAWING NUMBER: |
| | | | | MA 68 07 200 |
| | | | | 111A 00 01 200 |

DYWIDAG-SYSTEMS INTERNATIONAL, USA, INC.

320 MARMON DRIVE - BOLINGBROOK, IL 60440

PHONE: 630-739-1100

DYWIDAG FAX: 630-739-1405

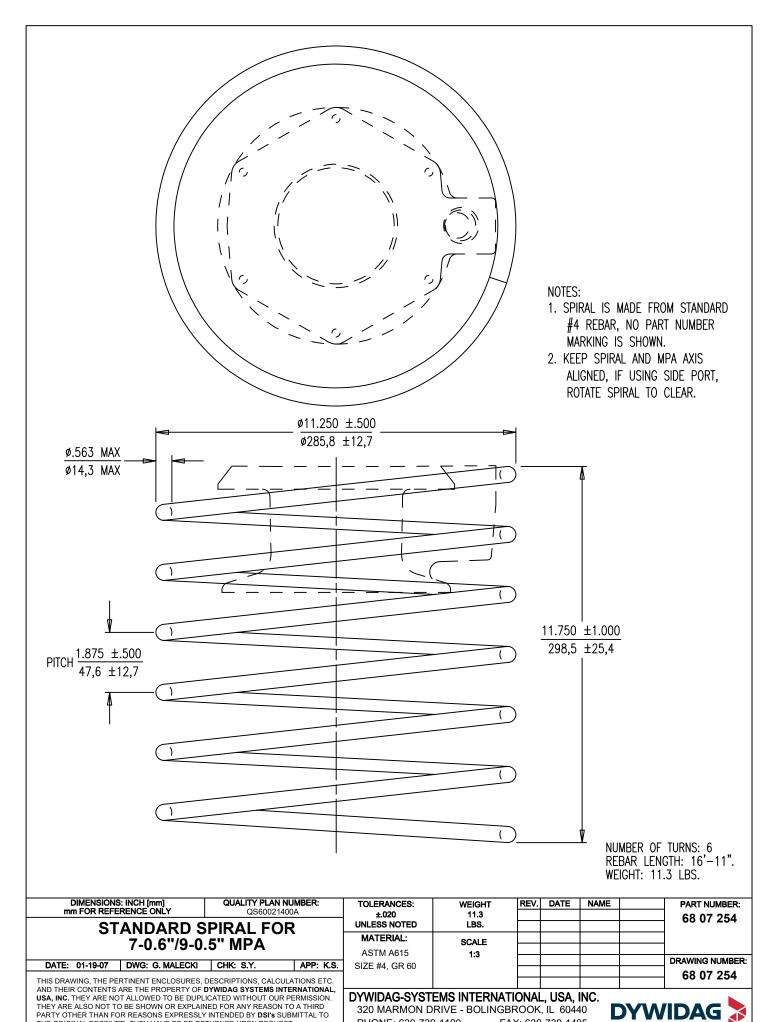


- 1. AFTER CASTING IS STRIPPED, GRIND AND TOUCH UP TOP AND BOTTOM SURFACES AS NECESSARY TO ELIMINATE ANY PARTING LINES OR UNEVEN AREAS.
- 2. GALVANIZE ACCORDING TO ASTM A123 AND TAKE CARE HOW CASTINGS ARE STORED TO PREVENT RUST.
- 3. DRILL & TAP BOLT HOLES AND GROUT PORTS AND MACHINE GROOVE IN BOTTOM OF ANCHOR USING A WATER BASED CUTTING FLUID AND SPRAY THEM WITH ZINC RICH PAINT ACCORDING TO ASTM A780, ENSURE THREADABILITY.

DIMENSIONS: INCH [mm] mm FOR REFERENCE ONLY QUALITY PLAN NUMBER: TOLERANCES: WEIGHT REV. DATE NAME PART NUMBER: ±.020 10 68 07 248 **UNLESS NOTED** LBS. 7-0.6"/9-0.5" MULTI-PLANE ANCHOR MATERIAL: SCALE WITH TWO GROUT PORTS - GALV. DUCTILE IRON 1:3 65-45-12 DATE: 10-13-04 DWG: G. MALECKI CHK: H.K. DRAWING NUMBER: ASTM A536 68 07 216

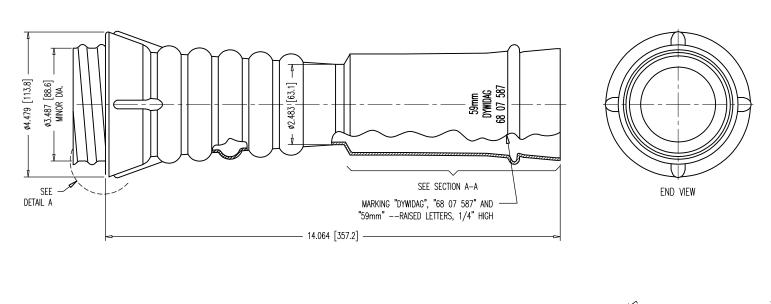
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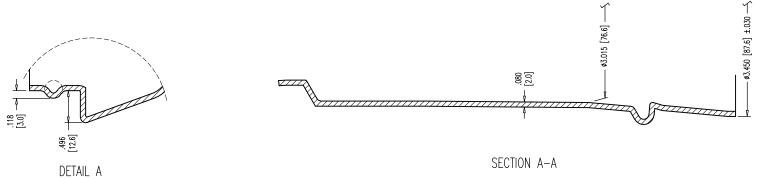




THE ORIGINAL RECEIVER. THEY HAVE TO BE RETURNED UPON REQUEST.







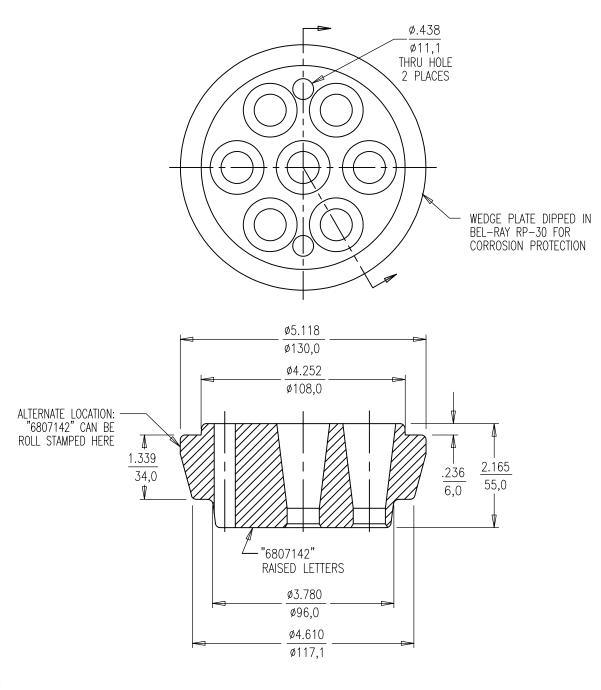
THREAD FITS INTO 7-0.6" MPA CASTING

- MATERIAL SPECIFICATIONS:
 HIGH-DENSITY POLYETHYLENE, CONFORMING TO THE FOLLOWING:

 1. MEETS REQUIREMENTS OF ASTM D3350 WITH A MINIMUM CELL CLASS OF 445574C.
 - 2. CONTAINS ANTIOXIDANTS WITH A MINIMUM OXIDATIVE—INDUCTION TIME (OIT) ACCORDING TO ASTM D3895 OF 40 MINUTES.
 - 3. REMOLDED FINISHED MATERIAL HAS A MINIMUM FAILURE TIME OF 24 HOURS WHEN TESTED FOR STRESS CRACK RESISTANCE USING ASTM F2136 AT AN APPLIED STRESS OF 600 PSI.

| DIMENSIONS: INCH [mm] mm FOR REFERENCE ONLY | QUALITY PLAN NUMBER QS60058800P | ₹ | TOLERANCES: ±.020 | WEIGHT | REV. | DATE 01-11-19 | NAME S.I. | | PART NUMBER: |
|--|--|--------|---|----------------|-------|------------------|--------------|--------------|----------------|
| 7-0.6" TRUMPET | EOD MDA TO | | UNLESS NOTED | | ٣. | 01-11-18 | 3.1. | | 68 07 587 |
| | | _ | MATERIAL: | SCALE | | | | | 1 |
| 59mm PP DUCT OF | (2.5" HDPE PIP | 'E | SEE ABOVE | 1:2 | | | | | |
| DATE: 10-16-06 DWG: G. MALECKI | CHK: E.A. APP: K | .S. | i | 1:1 | ⊢ | | | | DRAWING NUMBER |
| THIS DRAWING, THE PERTINENT ENCLOSUR | RES, DESCRIPTIONS, CALCULATION | S ETC. | 1 | | - | | | | 68 07 587 |
| AND THEIR CONTENTS ARE THE PROPERTY. USA, INC. THEY ARE NOT ALLOWED TO BE C THEY ARE ALSO NOT TO BE SHOWN OR EXP PARTY OTHER THAN FOR REASONS EXPRES THE ORIGINAL RECEIVER. THEY HAVE TO B | UPLICATED WITHOUT OUR PERMIS PLAINED FOR ANY REASON TO A TH SSLY INTENDED BY DSI's SUBMITTA | IRD. | DYWIDAG-SYST POST TENSIONING 320 MARMON DRIVE | REINFORCING UI | NIT F | HONE: 63 | 0-739-11 | 00 DY | WIDAG |



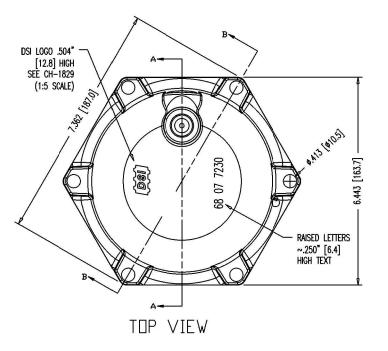


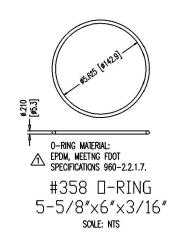
- 1. BREAK EDGE OF WEDGE HOLES.
- 2. USE 3-PART WEDGE P/N 68 00 0536. 3. FOR FORGING BLANK SEE 68 07 142 91.

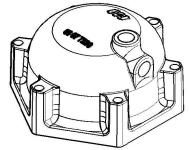
| DIMENSIONS: INCH/mm mm FOR REFERENCE ONLY | | PLAN NUMBER: 00014200F | TOLERANCES: | WEIGHT | REV. | DATE | NAME | PART NUMBER: |
|--|---|---------------------------|--------------|--------|------|------|------|-----------------|
| IIIII FOR REFERENCE ONLY QS000 14200F | | | _ ±.020 | 7.5 | | | | 68 07 142 |
| | | | | | | | | 00 07 142 |
| 7-0.6" FORGED | MATERIAL: | SCALE | | | | | | |
| . 0.0 . 0.1022 | 7 0.0 1 01(025 172502 1 2)(12 | | | 1:2 | | | | |
| | 21111 | 1 | → NORMALIZED | 1.2 | | | | DRAWING NUMBER: |
| DATE: 05/02/92 DWG: G. MALECK | CHK: | APP: KL | ASTM A521 | | | | | |
| | | | ASTIVI ASZT | | | | | 6807142 |
| | THIS DRAWING, THE PERTINENT ENCLOSURES, DESCRIPTIONS, CALCULATIONS ETC. | | | | | | | 0007142 |
| AND THEIR CONTENTS ARE THE PROPERTY | | | • | | • | | | |

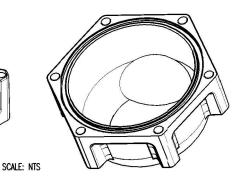
USA, INC. THEY ARE NOT ALLOWED TO BE DUPLICATED WITHOUT OUR PERMISSION. THEY ARE ALSO NOT TO BE SHOWN OR EXPLAINED FOR ANY REASON TO A THIRD PARTY OTHER THAN FOR REASONS EXPRESSLY INTENDED BY **DSI's** SUBMITTAL TO THE ORIGINAL RECEIVER. THEY HAVE TO BE RETURNED UPON REQUEST.





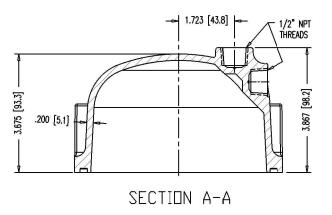


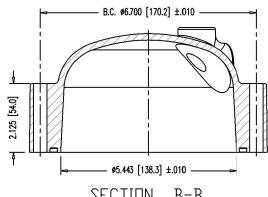




⚠ NOTES:

- 1. USE 3/8"-16UNC 316L S.S. HEX BOLTS, 2-3/4" LONG W/SMALL DIA. WASHER.
- 2. INSTALL O-RING IN GROOVE USING DROPS OF LIQUID ADHESIVE BEFORE SHIPPING. DON'T USE EXCESSIVE ADHESIVE. O-RING MUST STAY IN PLACE UNTIL INSTALLATION.
- 3. THE NYLON CONFORMS TO ASTM D5989, WITH CELL CLASSIFICATION S-PA0401 (ULTIMATE STRENGTH 10,000 PSI MIN., WITH UV STABILIZER ADDED).
- 4. DRILL 1/2" [12.7] HOLE IN PORT BEING USED -CAUTION-RECOMMEND USING HOLE SAW BIT OR SPADE BIT (BY OTHERS), BE CAREFULL TO PREVENT DAMAGE TO THREADS OR CAP.
- 5. WHEN PRESSURIZING GROUT CAPS, DO NOT STAND BEHIND CAPS!





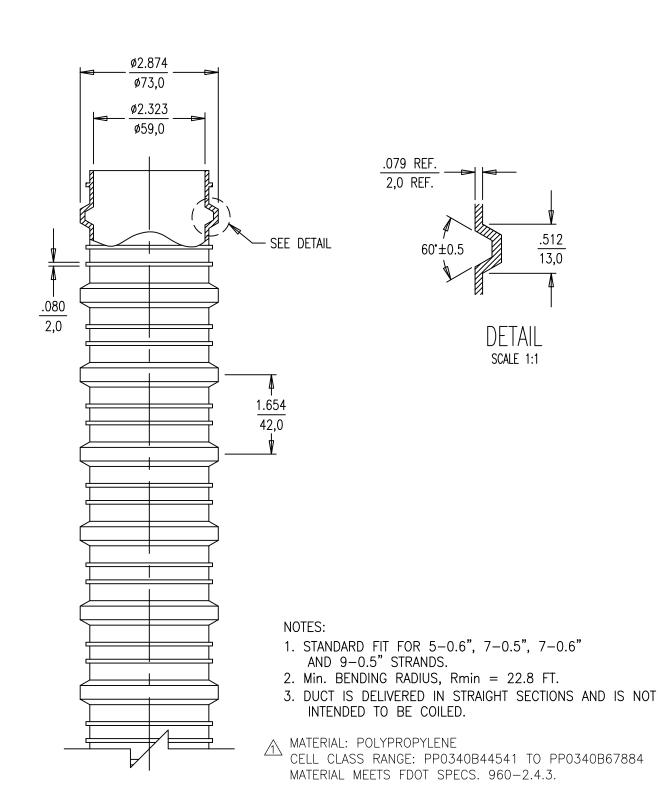
SECTION B-B

| DIMENSIONS: INCH [mm] mm FOR REFERENCE ONLY | TOLERANCES: | WEIGHT | REV. | DATE | NAME | PART NUMBER: | |
|--|---|---------------------------|-----------------|----------|------|--------------|-----------------|
| mm FOR REPERENCE ONLY | ±.020 | 1.12 | ΔΔ. | 10/04/18 | S.I. | 68 07 7230 | |
| | UNLESS NOTED | LBS. | | | | 00 07 7230 | |
| 7-0.6" PLASTIC | MATERIAL: | | | | | | |
| | 0.100.071 | NYLON 6, | SCALE 1:2 | | | | |
| DATE: 11-07-03 DWG: G. MALECKI | CHK: E.A. APP: K.S. | 20% GLASS FIBER FILLED | UNLESS NOTED | | | | DRAWING NUMBER: |
| BATE: 11-07-00 BWG: G: MALEGIG | TE. 11-07-00 DITO. C. MALLOTT OTHER L.A. ATT. 160. | | | | | | 68 07 7230 |
| THIS DRAWING, THE PERTINENT ENCLOSUR | THIS DRAWING, THE PERTINENT ENCLOSURES, DESCRIPTIONS, CALCULATIONS ETC. | | | | | | 00 01 1230 |

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2-3/8" (59mm) CORRUGATED PP DUCT

QUALITY PLAN NUMBER: QU00041110P

DIMENSIONS: INCH [mm] mm FOR REFERENCE ONLY

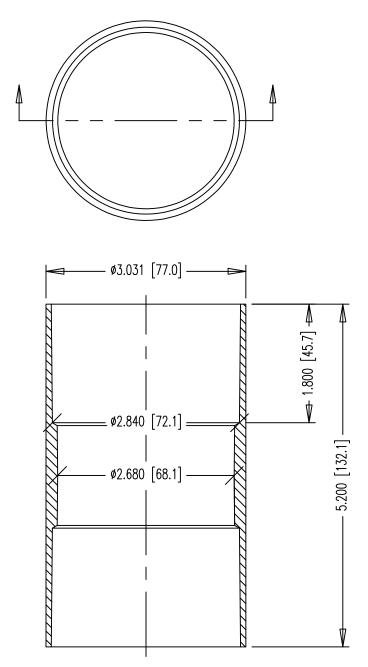
DATE: 04-23-96 DWG: G. MALECKI CHK: H.K.

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| | TOLERANCES: | WEIGHT | REV. | DATE | NAME | PART NUMBER: |
|---|--------------|--------|------|----------|------|-----------------|
| _ | ±.020 | 0.296 | | 01-11-19 | S.I. | |
| | UNLESS NOTED | LBS/FT | | | | U00220200 |
| | MATERIAL: | SCALE | | | | |
| | SEE ABOVE | 1:2 | | | | |
| _ | OLL/IDOVL | 1.2 | | | | DRAWING NUMBER: |
| - | | | | | | 1100220200 |
| | | | | | | |

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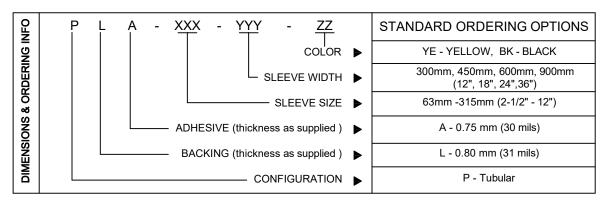
MATERIAL: POLYPROPYLENE CELL CLASS RANGE: PP0340B44541 TO PP0340B67884

MATERIAL MEETS FDOT SPECS. 960-2.4.3.

| DIMENSIONS: INCH [mm] QUALITY PLAN NUMBER: QSA0028000P | | | | TOLERANCES: ±.005 UNLESS NOTED | WEIGHT 0.23 LBS. | REV. | DATE 01-11-19 | NAME S.I. | PART NUMBER: U00220205 |
|--|----------------|-----------|--------------------|--------------------------------------|------------------------|------|------------------|--------------|-------------------------------|
| Ø2-3/8" (59mm) DUCT COUPLER | | | | MATERIAL: HDPE | SCALE 2:3 | | | | |
| | WG: G. MALECKI | CHK: S.Y. | APP: K.S. | 1 | 2.3 | | | | U00220205 |
| | | | EMS INTERNATIONAL. | | | | | | |

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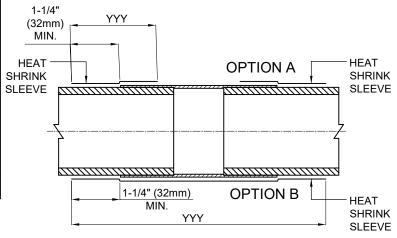


PMA - HIGH SHRINK SLEEVE. HIGH SHRINK TUBULAR BACKING.

| TUBULAR SLEEVE | TUBULAR SLEEVE DIAMETER AS SUPPLIED FULLY RECOVERE | | | | | | |
|-------------------|--|--------------|--|--|--|--|--|
| PLA 63-YYY YE | 3.5" [90mm] | 2.5" [63mm] | | | | | |
| PLA 90-YYY YE | 4.8" [120mm] | 3.3" [81mm] | | | | | |
| PLA 115-YYY BK | 5.5" [145mm] | 3.8" [98mm] | | | | | |
| PLA 125-YYY YE | 6.3" [160mm] | 4.3" [110mm] | | | | | |
| PLA 160-YYY BK | 7.5" [190mm] | 5.2" [130mm] | | | | | |
| PMA 90/30-YYY BK | 3.5" [90mm] | 1.2" [30mm] | | | | | |
| PMA 120/40-YYY BK | 4.7" [120mm] | 1.6" [40mm] | | | | | |

YYY = SLEEVE WIDTH: 300/450/600/900/1500(mm)

COLOR: YE = YELLOW; BK = BLACK



NOTE:

FOLLOW MANUFACTORER'S INSTALLATION INSTRUCTIONS.

MATERIAL:

POLYELEFIN FDOT SPECS 960-2.2.1.8 FOR **GROUTED APPLICATIONS**

| | DUCT SIZE | STRAND SYSTEM | BAR SYSTEM | HEAT SHRINK SLEEVE SIZE | PART NUMBER |
|--------------------|-----------------------|------------------|--------------------|-------------------------|-------------|
| | 1" x 3" (25mm x 76mm) | 4-0.6" | | PLA-63-450 YE | U00044063 |
| | 0.7/0"/50 | 7-0.6" | | PLA-63-450 YE | U00044063 |
| | 2-3/8" (59mm) | | 1", 1–1/4", 1–3/8" | PMA-90/30-450 BK | U00044030 |
| | 3" (76mm) | | 1 3/4" | PMA-120/40-450 BK | U00044040 |
| CORRUGATED DUCT | 3-3/8" (85mm) | 12-0.6" | | PLA-90-450 YE | U00044090 |
| | 4" (100mm) | | 2-1/2" | PLA-90-450 YE | U00044090 |
| | 4" (100mm) | 19-0.6" | | PLA-115-450 BK | U00044115 |
| | 4-1/2" (115mm) | 27-0.6" | | PLA-125-450 YE | U00044125 |
| | 5-1/8" (130mm) | 31-0.6", 37-0.6" | | PLA-160-450 BK | U00044160 |
| SMOOTH DUCT | 3" SDR 17 HDPE PIPE | | 1-3/8" | PLA-63-450 YE | U00044063 |

| IIIII I OITTEI EILEIOE OITEI | |
|------------------------------|------------------|
| HEAT SHRINK S | LEEVE SIZES |
| FOR INTERNAL GROU | TED APPLICATIONS |

CHK: S.I.

DIMENSIONS: INCH [mm]

DATE: 07-31-19

DWG: G. Malecki

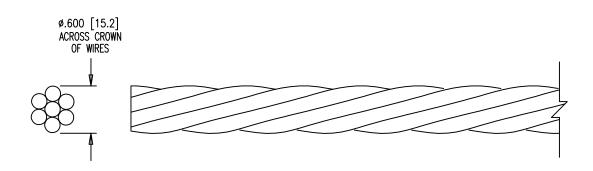
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| | REV. | DATE | NAME | ECRN | PART NUMBERS: |
|-------|----------|----------|------|------|-----------------|
| | 1 | 05-28-20 | S.I. | | . , |
| | A | 02-15-21 | S.I. | | SEE TABLE ABOVE |
| SCALE | | | | | SEE IABLE ABOVE |
| NTS | | | | | |
| NIS | | | | | DRAWING NUMBER: |
| | | | | | U00044000 |
| | | | | · · | UUUTTUUU |

FAX: 630-739-1405

DYWIDAG-SYSTEMS INTERNATIONAL, USA, INC. 320 MARMON DRIVE - BOLINGBROOK, IL 60440 PHONE: 630-739-1100

DYWIDAG



NOTES:
1. NO PART NUMBER OR IDENTIFICATION MARKS ON STRAND.

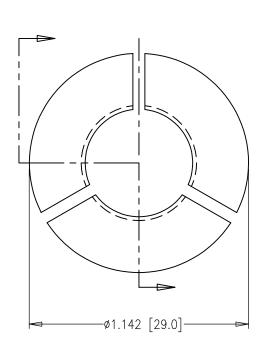
2. RUST PRODUCING VISIBLE PITTING TO THE UN-AIDED EYE IS NOT ALLOWED.

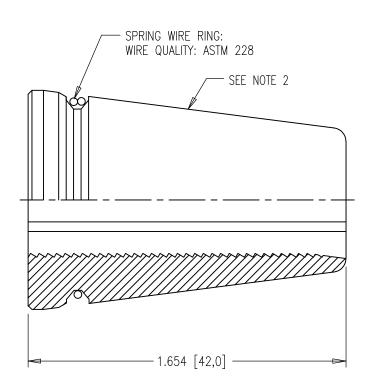
MATERIAL: 0.6" 270 KSI LOW RELAX STRAND ASTM A416

| DIMENSIONS: INCH [mm] QUALITY PLAN NUMBER: mm FOR REFERENCE ONLY QS000301000 | | | TOLERANCES: ±.020 | WEIGHT | REV. | DATE | NAME | PART NUMBER: 301060 |
|--|--------------------------|-----------|----------------------|--------|------|--------|------|---------------------|
| | UNLESS NOTED | PER/FT | | | | 301060 | | |
| 0.6" BARE 270 I | MATERIAL: | SCALE | | | | | | |
| | O.O BAILE ETO ROLOTIVARD | | | 1:1 | | | | |
| DATE: 02-18-19 DWG: G. MALECKI | CHK: C.S. | APP: K.S. | SEE ABOVE | "" | | | | DRAWING NUMBER: |
| | | | | | | | | 301060 |
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NOTES:

- 1. SHARP EDGES MUST BE BROKEN.
- 2. VIBRATE TO SURFACE FINISH OF 63 JUN. MAX.
 3. DIP IN SQ70 OIL OR EQUIV. FOR CORROSION PROTECTION.
- 4. MAKE SURE THAT THE BUTTRESS THREAD IS ORIENTED IN THE DIRECTION SHOWN ON THIS DRAWING.
- 5. NO STAMPED PART NUMBER

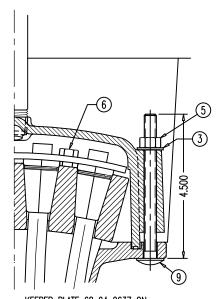
MATERIAL: 12L14 ALL HARDENED

| DIMENSIONS: INCH/mm QUALITY PLAN NUMBER: mm FOR REFERENCE ONLY QS00000500D | | TOLERANCES: ±.010: ±2° | WEIGHT 0.19 | REV. | DATE | NAME | PART NUMBER: 68 00 0536 | |
|--|-----------|---------------------------|----------------|--------------|------|------|-------------------------|-----------------|
| | | | UNLESS NOTED | LBS. | | | | 00 00 0330 |
| 3-PART WEDGE FOR 0.6" STRAND | | | MATERIAL: | SCALE 2:1 | | | | |
| | SEE ABOVE | | | | | | | |
| DATE: 06-01-18 DWG: G. MALECKI | CHK: C.S. | APP: S.I. | SEE ABOVE | | | | | DRAWING NUMBER: |
| | | | | | | | | 68 00 0536 |

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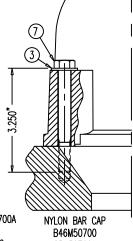
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BY OTHERS -

(3) NYLON BAR CAP B36E50700 OR 50700A

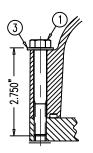


KEEPER PLATE 68 04 2637 ON WEDGE PLATE 68 04 2534A & NYLON CAP 68 04 2539 ON FLAT ANCHOR 68 04 2548

POCKET FORMER 68 04 2640 ON FLAT ANCHOR 68 04 2548

ON GALV. BEARING PLATE B26E22510, 22610, 22700, 22800, B32E22510, 22610, 22700, 22800, <u>∕</u> B36E22410, 22420, 22910, 22510, 22610, 22700, 22800 & NYLON BAR CAP B66E50700 OR 50700A ON GALV. BEARING PLATE B66E22700

OR 50700A ON GALV. BEARING PLATE B46E22700 & ⚠ B46E22800



NYLON CAP 68 07 7230 OR 7230A ON MPA 68 07 248

9

(11)

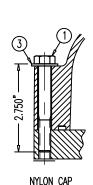
DIMENSIONS: INCH

PART NUMBER

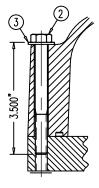
00 00 771

00 00 789

00 00 790



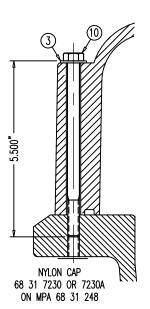
68 12 7230 OR 7230A ON MPA 68 12 248



NYLON CAP 68 19 7230 OR 7230A ON MPA 68 19 248

| 4.250" | | 8 | |
|----------|---------|-----|--|
| <u> </u> | | | |
| | NN/I ON | 040 | |

NYLON CAP 68 27 7230 OR 7230A ON MPA 68 27 248





TYPE A NARROW WASHER FOR 3/8"-UNC BOLT

| \sim | | , |
|--------|-----------|---|
| 2 | 00 00 772 | 3/8"-16UNC HEX BOLT, 3-1/2" LONG (1" LONG THREAD) |
| 3 | 00 00 774 | TYPE A NARROW WASHER FOR 3/8"-UNC BOLT |
| 4 | 00 00 776 | 3/8"-16UNC COUPLER, ZINC COATED |
| (5) | 00 00 777 | 3/8"-16UNC HEX NUT |
| (6) | 00 00 778 | 5/16"-18UNC HEX BOLT, 7/8" LONG, ZINC PLATED |
| 7 | 00 00 783 | 3/8"-16UNC HEX BOLT, 3-1/4" LONG (1" LONG THREAD) |
| 8 | 00 00 784 | 3/8"-16UNC HEX BOLT, 4-1/4" LONG (FULL THREAD) |

3/8"-16UNC CARRIAGE BOLT, 4-1/2" LONG

3/8"-16UNC CARRIAGE BOLT, 5-1/2" LONG

QUALITY PLAN NUMBER:

DISCRIPTION (ALL PARTS 316L STAINLESS STEEL UNLESS NOTED)

3/8"-16UNC HEX BOLT, 2-3/4" LONG (1" LONG THREAD)

THE 316L S.S. BOLTS ARE SPECIAL ORDER. ALL WASHERS, HEX NUTS & COUPLERS HAVE NO MARKINGS.

| CTAINI FOC CTEFL 2 | ACL BOLTS AND |
|--------------------|----------------|
| STAINLESS STEEL 3 | JIOL BOLIS AND |
| WASHER FOR N | VI ON CADS |
| WASHERIORIN | ILUN CAFS |

| DATE | 00.10.04 | DWG: G MALECKI | CHK: E V | ADD: KG | |
|------|----------|----------------|----------|---------|--|

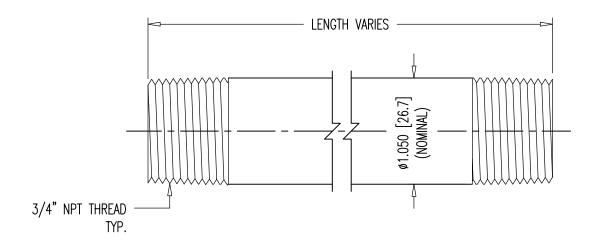
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PARTY OTHER THAN FOR REASONS EXPRESSLY INTENDED BY **DSI'S** SUBMITTAL TO THE ORIGINAL RECEIVER. THEY HAVE TO BE RETURNED UPON REQUEST.

| | REV. | DATE | NAME | NAME | PART NUMBERS: |
|-------|------------|----------|------|------|-----------------|
| | 1 | 05/01/19 | S.I. | | SEE TABLE |
| | <u>/2\</u> | 05/28/20 | S.I. | | |
| SCALE | | | | | |
| 1:3 | | | | | |
| 1.3 | | | | | |
| | | | | | DRAWING NUMBER: |
| | | | | | 00 00 770 |

DYWIDAG-SYSTEMS INTERNATIONAL, USA, INC.

POST TENSIONING / REINFORCING UNIT PHONE: 630-739-1100 DYWIDAG FAX: 630-739-1405 320 MARMON DRIVE - BOLINGBROOK, IL

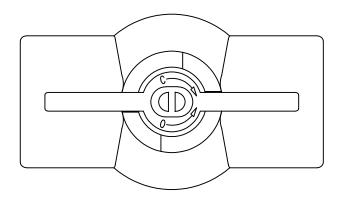


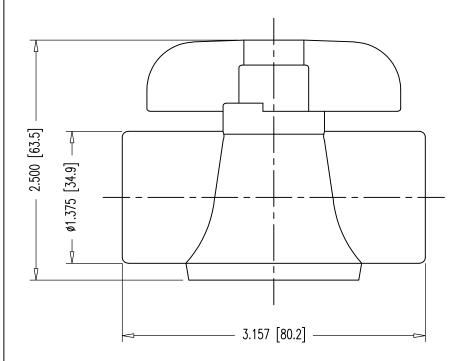


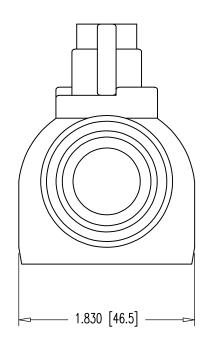
DIMENSIONS: INCH [mm] mm FOR REFERENCE ONLY QUALITY PLAN NUMBER: Q000000020P REV. DATE NAME ECRN PART NUMBER: 00 00 878 3/4" NPT PIPE NIPPLES MATERIAL: SCALE SCH 40 1:1 **BLACK WELDED** DRAWING NUMBER: DATE: 01-29-19 DWG: G. MALECKI CHK: S.I. APP: S.I. STEEL 00 00 878 THIS DRAWING, THE PERTINENT ENCLOSURES, DESCRIPTIONS, CALCULATIONS ETC.

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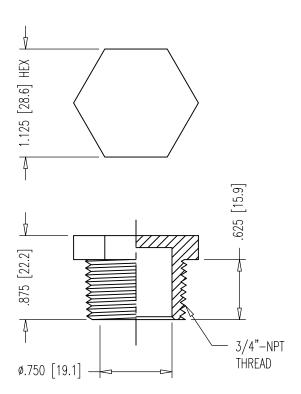


NOTE:
PRESSURE RATED: 150 PSI.

| DIMENSIONS: INCH [mm] mm FOR REFERENCE ONLY | QUALITY PLAN | NUMBER: | | WEIGHT 0.213 | REV. | DATE 01-11-19 | NAME S.I. | PART NUMBER: |
|---|--------------|---------|------------------|-----------------|------|------------------|--------------|-----------------|
| 3/4" NPT BALL VALVE | | | | LBS. | | 01 11 10 | 0.11. | 00 00 834 |
| | | | MATERIAL: PVC | SCALE 1:1 | | | | |
| DATE: 04-30-07 DWG: G. MALECKI CHK: S.N. APP: E.A. | | | | 11 | | | | DRAWING NUMBER: |
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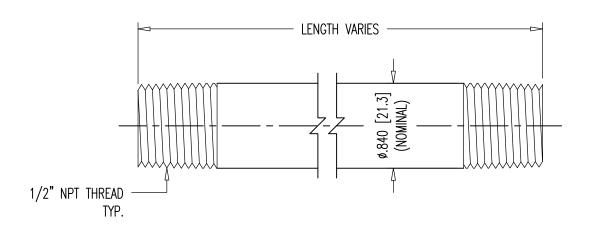




| DIMENSIONS: INCH [mm] mm FOR REFERENCE ONLY | QUALITY PLAN | NUMBER: | | WEIGHT .009 | REV. | DATE | NAME | PART NUMBER: |
|---|----------------------|---------------|-------------------------|----------------|------|------|-----------|-----------------|
| 3/4" NPT NYLON PLUG | | | | LBS. | | | | 00 00 849 |
| | | | MATERIAL: | | | | | - |
| | | | NYLON 6 COLOR: WHITE | 1:1 | | | | |
| DATE: 03-12-19 DWG: G. MALECKI | CHK: S.I. | APP: S.I | COLOR: WHITE | | - | | | DRAWING NUMBER: |
| THIS DRAWING, THE PERTINENT ENCLOSURES, DESCRIPTIONS, CALCULATIONS ETC. | | | | | | | 00 00 849 | |
| AND THEIR CONTENTS ARE THE PROPERT | Y OF DYWIDAG SYSTEMS | INTERNATIONAL | | | | | | |

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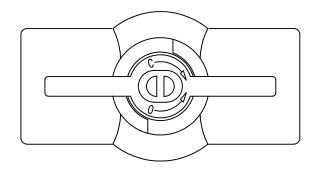


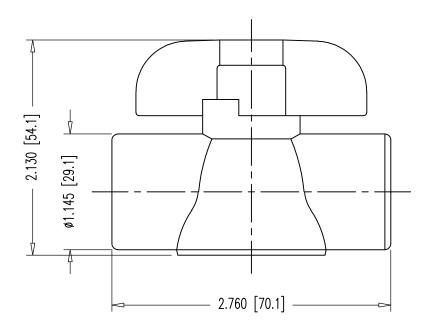
QUALITY PLAN NUMBER: Q00000020P DIMENSIONS: INCH [mm] mm FOR REFERENCE ONLY DATE NAME PART NUMBER: REV. 00 00 678 1/2" NPT PIPE NIPPLES MATERIAL: **SCALE** SCH 40 1:1 **BLACK WELDED** DRAWING NUMBER: DATE: 01-29-19 DWG: G. MALECKI CHK: S.I. APP: S.I. STEEL 00 00 678 THIS DRAWING, THE PERTINENT ENCLOSURES, DESCRIPTIONS, CALCULATIONS ETC.

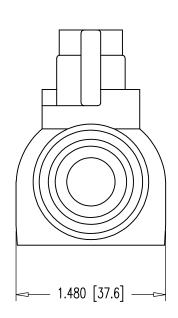
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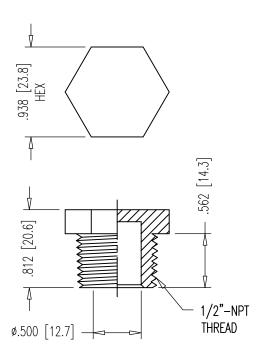


NOTE:
PRESSURE RATED: 150 PSI.

| DIMENSIONS: INCH [mm] QUALITY PLAN NUMBER: mm FOR REFERENCE ONLY | | | | WEIGHT 0.138 | REV. | DATE 01-11-19 | NAME S.I. | PART NUMBER: | |
|--|--------------------------|---|-----------|-----------------|------|------------------|--------------|--------------|-----------------|
| 1/2" NPT BALL VALVE | | | MATERIAL: | LBS. SCALE | | | | 00 00 634 | |
| 2455 | | | | PVC | 1:1 | | | | DRAWING NUMBER: |
| | The pertinent enclosure. | , | | | | | | | 00 00 634 |

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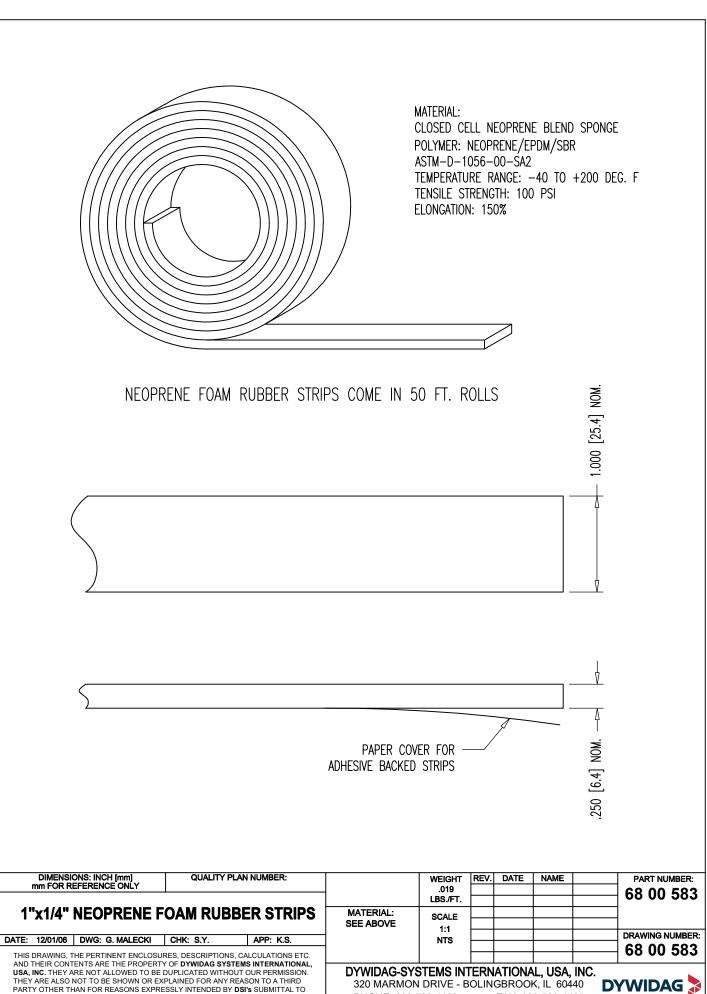




| | MENSIONS: INCH [MM] mm FOR REFERENCE ONLY | QUALITY PLAN | I NUMBER: | | WEIGHT .006 | REV. | DATE | NAME | ECRN | PART NUMBER: |
|---|---|--------------|-----------|--------------|----------------|------|------|------|------|-----------------|
| Γ | 1/2" NPT NYLON PLUG | | | | LBS. | | | | | 00 00 649 |
| | | | | MATERIAL: | SCALE | | | | | |
| | | | | NYLON 6 | 1:1 | ı | | | | |
| Γ | DATE: 03-12-19 DWG: G. MALECKI | CHK: S.I. | APP: S.I. | COLOR: WHITE | | | | | | DRAWING NUMBER: |
| Γ | THIS DRAWING. THE PERTINENT ENCLOSURES, DESCRIPTIONS, CALCULATIONS ETC. | | | 1 | | | | | | 00 00 649 |
| П | AND THEIR CONTENTS ARE THE PROPERT | | | | | | | | | |

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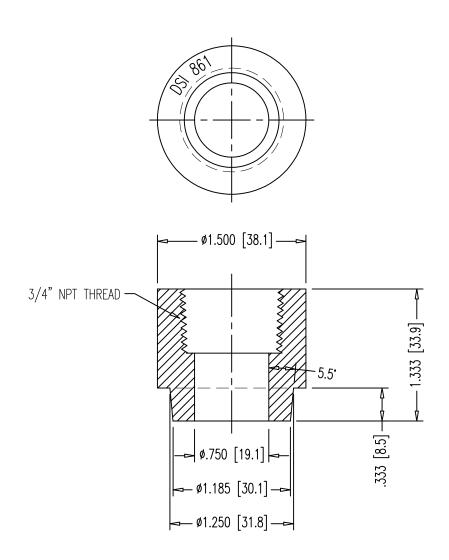




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320 MARMON DRIVE - BOLINGBROOK, IL 60440 PHONE: 630-739-1100 FAX: 630-739-1405

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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

USAGE: FOR CORRUGATED PP DUCTS

PRESSURE RATED: 150 PSI

| DIMENSIONS: INCH [mm] mm FOR REFERENCE ONLY | | | WEIGHT 0.045 | REV. | DATE | NAME | PART NUMBER: |
|--|--------------------------------------|-----------|-----------------|------|------|-----------|-----------------|
| | ±.020 UNLESS NOTED | LBS. | | | | 00 00 861 | |
| 3/4" NPT I | MATERIAL: | SCALE | | | | | |
| | | SEE ABOVE | 1:1 | | | | |
| DATE: 01-11-19 DWG: G. MALECKI | CHK: S.I. APP: S.I. | 7 | | | | | DRAWING NUMBER: |
| | 7 | | | | | 00 00 861 | |
| THIS DRAWING, THE PERTINENT ENCLOSUR | RES, DESCRIPTIONS, CALCULATIONS ETC. | | | | | | 00 00 001 |

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