RIGHT HAND THREAD

<table>
<thead>
<tr>
<th>PART NUMBERS</th>
<th>SPECIFICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>FOR BARE BAR:</td>
<td>B46M CUT</td>
</tr>
</tbody>
</table>

**PHYSICAL PROPERTIES**

- **EFFECTIVE AREA:** 2.58 SQ.IN. (1664 SQ.mm)
- **ULTIMATE STRENGTH:** 150 KSI (1035 N/SQ.mm)
- **ULTIMATE LOAD:** 387 KIPS (1721 KN)
- **YIELD LOAD:** 310 KIPS (1378 KN)
- **WEIGHT:** 9.37 LBS./FT. (13.9 Kg/m)
- **MAX. BAR Ø INCL. RIBS:** 2.075 IN. (52.7mm)
- **AVERAGE CORE Ø:** 1.830 IN. (46.5mm)
- **PITCH:** 0.827 IN. (21.0mm)
PLATE MATERIAL: ASTM A36
MECHANICAL TUBE MATERIAL
SHALL BE A512, A513 OR A519

3/8"-16UNC DRILLED & TAPPED
1 [25.4] DEEP, 4X90° PLACES

3/4" NPT
HALF COUPLER
BLACK STEEL

WATERTIGHT

2-7/8" x 3/16" WALL
MECHANICAL TUBING

"DSI" & PART NUMBER
(MARKINGS)

2.000 [50.8]

0.527 [13.4]

5.500 [139.7]

NOTES:
1. PLATE AND PIPE GALVANIZED ACCORDING TO
ASTM A123 AFTER WELDING.
2. DIMENSIONS AND TOLERANCES APPLY TO
UNCOATED PLATE AND TUBING.
3. ENSURE THREADABILITY OF TAPPED HOLES IN
PLATES IF THEY ARE REQUIRED.
4. 76mm CORR. PP DUCT, U00220300 & 3" SDR17
HDPE PIPE, U00055112 FITS OVER TUBING.
WASHER FOR NYLON CAPS

<table>
<thead>
<tr>
<th>POS.</th>
<th>PART NUMBER</th>
<th>DESCRIPTION (ALL PARTS 316L STAINLESS STEEL UNLESS NOTED)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>00 00 771</td>
<td>3/8&quot;-16UNC HEX BOLT, 2-3/4&quot; LONG (1&quot; LONG THREAD)</td>
</tr>
<tr>
<td>2</td>
<td>00 00 772</td>
<td>3/8&quot;-16UNC HEX BOLT, 3-1/2&quot; LONG (1&quot; LONG THREAD)</td>
</tr>
<tr>
<td>3</td>
<td>00 00 774</td>
<td>TYPE A NARROW WASHER FOR 3/8&quot;-UNC BOLT</td>
</tr>
<tr>
<td>4</td>
<td>00 00 776</td>
<td>3/8&quot;-16UNC COUPLER, ZINC COATED</td>
</tr>
<tr>
<td>5</td>
<td>00 00 777</td>
<td>3/8&quot;-16UNC HEX NUT</td>
</tr>
<tr>
<td>6</td>
<td>00 00 778</td>
<td>5/16&quot;-18UNC HEX BOLT, 7/8&quot; LONG, ZINC PLATED</td>
</tr>
<tr>
<td>7</td>
<td>00 00 783</td>
<td>3/8&quot;-16UNC HEX BOLT, 3-1/4&quot; LONG (1&quot; LONG THREAD)</td>
</tr>
<tr>
<td>8</td>
<td>00 00 784</td>
<td>3/8&quot;-16UNC HEX BOLT, 4-1/4&quot; LONG (FULL THREAD)</td>
</tr>
<tr>
<td>9</td>
<td>00 00 789</td>
<td>3/8&quot;-16UNC CARRAGE BOLT, 4-1/2&quot; LONG</td>
</tr>
<tr>
<td>10</td>
<td>00 00 790</td>
<td>3/8&quot;-16UNC CARRAGE BOLT, 5-1/2&quot; LONG</td>
</tr>
</tbody>
</table>

NOTE:
The 316L S.S. BOLTS ARE SPECIAL ORDER. ALL WASHERS, HEX NUTS & COUPLERS HAVE NO MARKINGS.
GROUTABLE ANCHOR NUT
FOR 1-3/4" HR BAR, 150 KSI

DIMENSIONS: INCH (mm)

4.221 [107.2]
2.091 [53.1]
1.524 [38.7]
4.800 [122.2]
3.495 [88.8]

THREADED FORM
ACCORDING TO DWG
8341/826
MINOR DIAMETER:
1.863 – 1.871
(47.3 – 47.5)

MATERIAL:
REPLACE ANCHOR NUT BLANK DRAWING
B48M20191

TOLERANCES:
±.035 UNLESS NOTED

WEIGHT
9.9 LBS.

SCALE
1/2

PART NUMBER:
B46M20251

DASHBOARD SYSTEMS INTERNATIONAL, USA, INC.
320 MARION DRIVE - BOLINGBROOK, IL 60440
PHONE: 630-739-1100 FAX: 630-739-1405

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PARTY OTHER THAN FOR REASONS EXPRESSLY INTENDED BY DSI'S SUBMITAL TO
THE ORIGINAL RECEIVER. THEY HAVE TO BE RETURNED UPON REQUEST.
PRESSURE RATED: 150 PSI

1/2" NPT NYLON PLUG

MATERIAL: NYLON 6
COLOR: WHITE

SCALE: 1:1

DYWIDAG-SYSTEMS INTERNATIONAL, USA, INC.
320 MARMON DRIVE - BOLINGBROOK, IL 60440
PHONE: 630-739-1100 FAX: 630-739-1405
1/2" NPT PIPE NIPPLES

LENGTH VARIES

1/2" NPT THREAD TYP.

φ 0.840 [21.3] (NOMINAL)

PRESSURE RATED: 150 PSI

DIMENSIONS: INCH [mm]

QUALITY PLAN NUMBER: Q00000000020P

MATERIAL:
SCH 40
BLACK WELDED STEEL

SCALE 1:1

REV. DATE NAME

PART NUMBER: 00 00 678

DRAWING NUMBER: 00 00 678

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3/4" NPT PIPE NIPPLES

LENGTH VARIES

3/4" NPT THREAD TYP.

PRESSURE RATED: 150 PSI

DIMENSIONS: INCH [mm]
mm FOR REFERENCE ONLY

QUALITY PLAN NUMBER:
Q000000020P

MATERIAL:
SCH 40
BLACK WELDED STEEL

SCALE: 1:1

Dywidag-Systems International, USA, Inc.
320 Marmen Drive - Bolingbrook, IL 60440
Phone: 630-739-1100 Fax: 630-739-1405

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3/4" NPT NYLON PLUG

PRESSURE RATED: 150 PSI

DIMENSIONS: INCH (mm)

QUALITY PLAN NUMBER:

WEIGHT:

REV. DATE NAME

MATERIAL:

SCALE

W .009 LBS.

1:1

PART NUMBER:

00 00 849

00 00 849

DYWIDAG-SYSTEMS INTERNATIONAL, USA, INC.

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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.
NOTE:
PRESSURE RATED: 150 PSI.

1/2" NPT BALL VALVE

MATERIAL: PVC
SCALE: 1:1

PART NUMBER: 00 00 634
DRAWING NUMBER: 00 00 634
3/4" NPT BALL VALVE

NOTE:
PRESSURE RATED: 150 PSI.

Dimensions:
- 2.500 [63.5]
- 0.375 [4.9]
- 3.157 [80.2]
- 1.830 [46.5]

Material: PVC
Scale: 1:1
Weight: 0.213 LBS.

DYWIDAG-SYSTEMS INTERNATIONAL, USA, INC.
320 MARMON DRIVE - BOLINGBROOK, IL 60440
PHONE: 630-739-1100 FAX: 630-739-1405

PART NUMBER: 00 00 834
DRAWING NUMBER: 00 00 834
MATERIAL: POLYPROPYLENE
CELL CLASS RANGE: PP0340B44541 TO PP0340B67884
MATERIAL MEETS FDOT SPECS. 960-2.4.3.

NOTES:
1. STANDARD FIT FOR 9–0.6" & 12–0.5" STRANDS AND
1–3/4" THREADBAR.
2. Min. BENDING RADIUS, Rmin = 20.5 FT.
3. DUCT IS DELIVERED IN STRAIGHT SECTIONS AND IS NOT INTENDED TO BE COILED.
MATERIAL: POLYPROPYLENE

CELL CLASS RANGE: PP0340B44541 TO PP0340B67884

MATERIAL MEETS FDOT SPECS. 960-2.4.3.
**COLOR**

- YE - YELLOW
- BK - BLACK

**SLEEVE SIZE**

- 63mm - 315mm (2-1/2" - 12"")

**ADHESIVE** (thickness as supplied)

- A - 0.75 mm (30 mils)
- L - 0.80 mm (31 mils)

**BACKING** (thickness as supplied)

- P - Tubular

**CONFIGURATION**

- A - Tubular
- L - Tubular
- P - Tubular

**STANDARD ORDERING OPTIONS**

- YE - YELLOW, BK - BLACK

**Y = SLEEVE WIDTH 300/450/600/900/1500(mm)**

**YY = SLEEVE WIDTH 300/450/600/900/1500(mm)**

**YY = SLEEVE WIDTH 300/450/600/900/1500(mm)**

**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. SELECT ORDER LENGTH AS A MULTIPLE OF THE ACTUAL LENGTH.
3. OTHER COLORS SLEEVE MAY BE AVAILABLE UPON REQUEST.
4. ALWAYS HEAT THE DUCT ENDS FIRST.

**HEAT SHRINK SLEEVE SIZES FOR INTERNAL GROUTED APPLICATIONS**

<table>
<thead>
<tr>
<th>DUCT SIZE</th>
<th>STRAND SYSTEM</th>
<th>BAR SYSTEM</th>
<th>HEAT SHRINK SLEEVE SIZE</th>
<th>PART NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>1&quot; x 3&quot; (25mm x 76mm)</td>
<td>4 - 0.6&quot;</td>
<td></td>
<td>PL-63-450 YE</td>
<td>U00044063</td>
</tr>
<tr>
<td>2 - 3/8&quot; (59mm)</td>
<td>7 - 0.6&quot;</td>
<td>1&quot;, 1-1/4&quot;, 1-3/8&quot;</td>
<td>PMA-90/30-450 BK</td>
<td>U00044030</td>
</tr>
<tr>
<td>3&quot; (76mm)</td>
<td>1 3/4&quot;</td>
<td></td>
<td>PMA-120/40-450 BK</td>
<td>U00044040</td>
</tr>
<tr>
<td>3 - 3/8&quot; (85mm)</td>
<td>12 - 0.6&quot;</td>
<td></td>
<td>PL-90-450 YE</td>
<td>U00044090</td>
</tr>
<tr>
<td>4&quot; (100mm)</td>
<td>2 - 1/2&quot;</td>
<td></td>
<td>PL-90-450 YE</td>
<td>U00044090</td>
</tr>
<tr>
<td>4&quot; (100mm)</td>
<td>19 - 0.6&quot;</td>
<td></td>
<td>PL-115-450 BK</td>
<td>U00044115</td>
</tr>
<tr>
<td>4 - 1/2&quot; (115mm)</td>
<td>27 - 0.6&quot;</td>
<td></td>
<td>PL-120-450 YE</td>
<td>U00044125</td>
</tr>
<tr>
<td>5 - 1/8&quot; (130mm)</td>
<td>31 - 0.6&quot;, 37 - 0.8&quot;</td>
<td></td>
<td>PL-160-450 BK</td>
<td>U00044160</td>
</tr>
<tr>
<td>3&quot; SDR 17 HDPE PIPE</td>
<td>1 - 3/8&quot;</td>
<td></td>
<td>PL-63-450 YE</td>
<td>U00044063</td>
</tr>
</tbody>
</table>

**TUBULAR SLEEVE**

<table>
<thead>
<tr>
<th>TUBULAR SLEEVE</th>
<th>TUBULAR SLEEVE DIAMETER AS SUPPLIED</th>
<th>FULLY RECOVERED</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLA 63-YY YE</td>
<td>3.5&quot; [90mm]</td>
<td>2.5&quot; [63mm]</td>
</tr>
<tr>
<td>PLA 90-YY YE</td>
<td>4.8&quot; [120mm]</td>
<td>3.3&quot; [81mm]</td>
</tr>
<tr>
<td>PLA 115-YY BK</td>
<td>5.5&quot; [145mm]</td>
<td>3.8&quot; [98mm]</td>
</tr>
<tr>
<td>PLA 125-YY YE</td>
<td>6.3&quot; [160mm]</td>
<td>4.3&quot; [110mm]</td>
</tr>
<tr>
<td>PLA 160-YY BK</td>
<td>7.5&quot; [190mm]</td>
<td>5.2&quot; [130mm]</td>
</tr>
<tr>
<td>PMA 90/30-YY BK</td>
<td>3.5&quot; [90mm]</td>
<td>1.2&quot; [30mm]</td>
</tr>
<tr>
<td>PMA 120/40-YY BK</td>
<td>4.7&quot; [120mm]</td>
<td>1.6&quot; [40mm]</td>
</tr>
</tbody>
</table>

**PMA - HIGH SHRINK SLEEVE.**

**HIGH SHRINK TUBULAR BACKING.**

**NOTE:**

FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS.