RIGHT HAND THREAD

<table>
<thead>
<tr>
<th>PART NUMBERS</th>
<th>SPECIFICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>FOR BARE BAR: B46M CUT</td>
<td>ASTM A722 TYPE II</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)

**46mm THREADBAR GR150 HR**

<table>
<thead>
<tr>
<th>MATERIAL: SEE ABOVE</th>
<th>SCALE</th>
</tr>
</thead>
<tbody>
<tr>
<td>REV.</td>
<td>DATE</td>
</tr>
<tr>
<td>DIMENSIONS: INCH [mm]</td>
<td>QUALITY PLAN NUMBER: GB00000/01B</td>
</tr>
</tbody>
</table>

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PLATE MATERIAL: ASTM A56
MECHANICAL TUBE MATERIAL
SHALL BE AS12, AS13 OR AS19

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

5.500 [139.7]
527 [13.4]

WATERTIGHT

3/4" NPT
HALF COUPLER
BLACK STEEL

4.243 [107.8]
9,000 [228.6]

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

[5.73] [9.53] [24.2]

55

"DSI" & PART NUMBER
(MARKINGS)

2,000 [50.8]

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, UDO220300 & 3" SDR17 HDPE PIPE, UDO055112 FITS OVER TUBING.

SQUARE BEARING PLATE WITH EXIT PIPE
FOR 1-3/4" THREADBAR

DIMENSIONS: INCH (mm)
mm FOR REFERENCE ONLY

QUALITY PLAN NUMBER:
QBE00212001

TOLERANCES: ±.030
UNLESS NOTED

WEIGHT: 43.4
LBS.

MATERIAL: SEE ABOVE

SCALE: 1:3

REV. DATE NAME ECRT PART NUMBER:

B46E22700

DRAWING NUMBER:
B46E22700

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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
**Stainless Steel 316L Bolts and Washer for Nylon Caps**

**Dimensions:** Inch

**Part Numbers:**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<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>00 00 772</td>
<td>3/8&quot;-16UNC Hex Bolt, 3-1/2&quot; Long (1&quot; Long Thread)</td>
</tr>
<tr>
<td>00 00 774</td>
<td>Type of Narrow Washer for 3/8&quot;-UNC Bolt</td>
</tr>
<tr>
<td>00 00 776</td>
<td>3/8&quot;-16UNC Coupler, Zinc Coated</td>
</tr>
<tr>
<td>00 00 777</td>
<td>3/8&quot;-16UNC Hex Nut</td>
</tr>
<tr>
<td>00 00 778</td>
<td>5/16&quot;-18UNC Hex Bolt, 7/8&quot; Long, Zinc Plated</td>
</tr>
<tr>
<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>00 00 784</td>
<td>3/8&quot;-16UNC Hex Bolt, 4-1/4&quot; Long (Full Thread)</td>
</tr>
<tr>
<td>00 00 789</td>
<td>3/8&quot;-16UNC Carriage Bolt, 4-1/2&quot; Long</td>
</tr>
<tr>
<td>00 00 790</td>
<td>3/8&quot;-16UNC Carriage 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.

→ Part 00 00 790 added.
GROUTABLE ANCHOR NUT
FOR 1-3/4" HR BAR, 150 KSI

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

NOMINAL腸
4.221 [107.2]
2.091 [53.1]
1.524 [38.7]
3.495 [88.8]
4.650 [123.2]
PRESSURE RATED: 150 PSI

1/2" NPT NYLON PLUG

DIMENSIONS: INCH (mm) | QUALITY PLAN NUMBER:

WEIGHT: .006 LBS.

REV. | DATE | NAME | ECRN | PART NUMBER:

00 00 649

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
PRESSURE RATED: 150 PSI

1/2" NPT THREAD TYP.

LENGTH VARIES

0.810 [21.3] (NOMINAL)

1/2" NPT PIPE NIPPLES
3/4" NPT PIPE NIPPLES

LENGTH VARIES

\( \varnothing 1.050 \) [26.7] (NOMINAL)

3/4" NPT THREAD TYP.

PRESSURE RATED: 150 PSI
NOTE:
PRESSURE RATED: 150 PSI.

1/2" NPT BALL VALVE

DIMENSIONS: INCH (mm) mm FOR REFERENCE ONLY

Q12UH1 PLAN NUMBER:

WEIGHT
0.138 LBS.

REV. DATE NAME
1 01-11-19 S.J.

MATERIAL:
PVC

SCALE 1:1

PART NUMBER:
00 00 634

DRAWING NUMBER:
00 00 634

DYWIDAG-SYSTEMS INTERNATIONAL, USA, INC.
320 MARMON 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 SUBMITTAL TO
THE ORIGINAL RECEIVER, THEY HAVE TO BE RETURNED UPON REQUEST.
3/4" NPT BALL VALVE

NOTE:
PRESSURE RATED: 150 PSI.
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.

Ø3" (76mm) DUCT COUPLER

DIMENSIONS: INCH (mm)

DATE: 09-25-98
DWG: 6, MALECHI
CHECK: 

TOLERANCES:
±0.005 UNLESS NOTED

WEIGHT: 0.325 LBS.

MATERIAL: SEE ABOVE

SCALE: 2:1

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

DRAWING NUMBER:
U00220305

PART NUMBER:
U00220305
TUBULAR SLEEVE | TUBULAR SLEEVE DIAMETER AS SUPPLIED | FULLY RECOVERED
---|---|---
PLA 63-YY YE | 3.5" [90mm] | 2.5" [63mm]
PLA 90-YY YE | 4.8" [120mm] | 3.3" [81mm]
PLA 115-YY BK | 5.5" [145mm] | 3.8" [98mm]
PLA 125-YY YE | 6.3" [160mm] | 4.3" [110mm]
PLA 160-YY BK | 7.5" [190mm] | 5.2" [130mm]
PMA 90/30-YY YE | 3.5" [90mm] | 1.2" [30mm]

YYY = SLEEVE WIDTH: 300/450/600/900(mm)
COLOR: YE = YELLOW; BK = BLACK

PMA - HIGH SHRINK SLEEVE
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. 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.

DIMENSIONS: INCH (mm)
mm FOR REFERENCE ONLY

HEAT SHRINK SLEEVE SIZES
FOR INTERNAL GROUTED APPLICATIONS

CORR. 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
2-3/8" (59mm) | 7-0.6" | | PLA-63-450 YE | U00044063
3" (76mm) | 1 3/4" | 1", 1-1/4", 1-3/8" | PLA-90-450 YE | U00044090
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

REV. DATE NAME ECRN
---|---|---|---
PART NUMBERS:

SEE TABLE ABOVE

DRAWING NUMBER: U00044000

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