**RIGHT HAND THREAD**

---

**PART NUMBERS**

<table>
<thead>
<tr>
<th>FOR BARE BAR:</th>
<th>B32E CUT</th>
</tr>
</thead>
</table>

**SPECIFICATIONS**

| ASTM A722 TYPE II |

**PHYSICAL PROPERTIES**

- **EFFECTIVE AREA:** 1.25 SQ.IN.
- **ULTIMATE STRENGTH:** 150 KSI
- **ULTIMATE LOAD:** 187.5 KIPS
- **YIELD LOAD:** 151.2 KIPS
- **WEIGHT:** 4.39 LBS./FT.
- **MAX. BAR Ø INCL. RIBS:** 1.44 IN.
- **AVERAGE CORE Ø:** 1.26 IN.
- **PITCH:** 0.630 IN.

---

**DYWIDAG POST-TENSIONING SYSTEMS**

1-1/4"Ø THREADBAR GRADE 150 KSI

---

**DIMENSIONS: INCH/mm**

- **FOR REFERENCE ONLY**

**QUALITY PLAN NUMBERS:**

- QB0000001OB
- QB0000005OB

**DRAWING NUMBER**

- B32E CUT

---

**MATERIAL:**

SEE ABOVE

---

**SCALE ITEMS**

---

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PLATE MATERIAL: ASTM A36
MECHANICAL TUBE MATERIAL
SHALL BE A512, A513 OR A519

3/8"-16UNC DRILLED & TAPPED
1" [25.4] DEEP, 4<90° PLACES

WATERTIGHT
3/4" NPT HALF COUPLER
BLACK STEEL

2-1/4" x 3/16" WALL
MECHANICAL TUBING

"DSI" & PART NUMBER
(MARKINGS)

NOTES:
1. PLATE AND PIPE GALVANIZED ACCORDING TO
   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. 59mm DUCT U00220200 FITS OVER TUBING.

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

DRAWING NUMBER:
B32E22510


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PARTY OTHER THAN REASONS EXPRESSLY INTENDED BY DSI. THE ORIGINAL
REV.  DATE  NAME  ECN  PART NUMBER
0.300  UNLESS NOTED
WEIGHT:  18.2
SCALE:  1:3

QUALITY PLAN NUMBER:
Q8E00212001

DIMENSIONS: INCH [mm]
mm FOR REFERENCE ONLY

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

PLATE MATERIAL: ASTM A36
MECHANICAL TUBE MATERIAL SHALL BE A512, A513 OR A519

3/8"-16 UNC DRILLED & TAPPED
1" [25.4] DEEP, 4 x 90 DEGREES

Dimensions: inch [mm]

B.C. 3.094 [78.6]

3.094 [78.6]

8.000 [203.2]

3.084 [78.2]

5.000 [127.0]

5.000 [127.0]

1/8"

3/4" NPT HALF COUPLER BLACK STEEL

WATERTIGHT

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. 59mm DUCT U00220200 FITS OVER TUBING.

NOTES:

DIAGRAM: [Diagram of the bearing plate with exit pipe]

TOLERANCES: ±0.020 UNLESS NOTED
WEIGHT: 20.0 LBS.

QUALITY PLAN NUMBER: Q8800212001

DATE: 08-15-07
DRAWING NUMBER: B32E22610

DWAYDAG-SYSTEMS INTERNATIONAL, USA, INC.
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PHONE: 630-739-1100 FAX: 630-739-1405
1. Use 3/8"-16UNC 316L S.S. HEX BOLTS, 3-1/4" long. 00100783 W/small 00100784 WASHER 00100774.
2. Install O-Ring in groove using drops of liquid adhesive before shipping.
3. The nylon conforms to ASTM D6889, with cell classification 5-FADK01
   (ultimate strength 10,000 psi, with UV stabilized added)
4. Drill 1/2" [12.7] hole in port ring. Use caution/recommend using hole
   saw bit or space bit (if others) be careful to prevent damage to
   threads or cap.
5. When pressurizing cap, do not stand behind caps!
GROUTABLE ANCHOR NUTS
FOR 1-1/4" Ø BAR, 150 KSI

MINOR DIA:

THREAD ACCORDING TO
TOLERANCE DRAWING
8341/754
MINOR DIAMETER:
SPECIFIED IN TABLE
SPECIFIED IN TABLE

2.840
72.1

3.150
80.0

2.225
56.5

TOLERANCES:
±0.000
UNLESS NOTED

WEIGHT
2.50
LBS.

MATERIAL:
G1045 FORGING
ASTM A521-CF MOD.
NORMALIZED
BH N = 180-220

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PHONE: 630-739-1100  FAX: 630-739-1405
PRESSURE RATED: 150 PSI

1/2" NPT NYLON PLUG

DIMENSIONS: INCH (mm)

mm FOR REFERENCE ONLY

QUALITY PLAN NUMBER:

WEIGHT

REV. DATE NAME ECNR

PART NUMBER:

00 00 649

MATERIAL:

NYLON 6

COLOR: WHITE

SCALE

1:1

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1/2" NPT PIPE NIPPLES

LENGTH VARIES

0.840 [21.3] (NOMINAL)

0.700 [17.8] (MIN.)

PRESSURE RATED: 150 PSI
PRESSURE RATED: 150 PSI

3/4" NPT PIPE NIPPLES

MATERIAL:
SCH 40
BLACK WELDED STEEL

SCALE:
1:1
3/4" NPT NYLON PLUG

PRESSURE RATED: 150 PSI
1/2" NPT BALL VALVE

NOTE:
PRESSURE RATED: 150 PSI.

DIMENSIONS: INCH [mm]
mm FOR REFERENCE ONLY

QUALITY PLAN NUMBER:

WEIGHT
0.138 LBS.

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

MATERIAL:
PVC

SCALE
1:1

PART NUMBER:
00 00 634

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PHONE: 630-739-1100 FAX: 630-739-1405
NOTE:
PRESSURE RATED: 150 PSI.

3/4" NPT BALL VALVE

DIMENSIONS: INCH (mm)

mm FOR REFERENCE ONLY

WEIGHT: 0.213 lbs.

REV. DATE NAME

PART NUMBER: 00 00 834

MATERIAL: PVC

SCALE: 1:1

DYWIDAG-SYSTEMS INTERNATIONAL, USA, INC.
320 MARMON DRIVE - BOLINGBROOK, IL 60440
PHONE: 630-739-1100 FAX: 630-739-1405
MATERIAL: POLYPROPYLENE
CELL CLASS RANGE: PP0340B44541 TO PP0340B67884
MATERIAL MEETS FDOT SPECS. 960-2.4.3.

NOTES:
1. STANDARD FIT FOR 5-0.6", 7-0.5", 7-0.6" & 9-0.5" STRANDS AND 1", 1-1/4", & 1-3/8" THREADBARS.
2. Min. BENDING RADIUS, Rmin = 22.8 FT.
3. DUCT IS DELIVERED IN STRAIGHT SECTIONS AND IS NOT INTENDED TO BE COILED.
Ø2-3/8" (59mm) DUCT COUPLER

MATERIAL: POLYPROPYLENE
CELL CLASS RANGE: PP0340B44541 TO PP0340B67884
MATERIAL MEETS FDOT SPECS. 960–2.4.3.

DIAMETERS:
Ø3.031 [77.0]
Ø2.871 [72.9]
1.800 [45.7]
1.600 [40.6]
5.200 [132.1]
TUBULAR SLEEVE  |  TUBULAR SLEEVE DIAMETER AS SUPPLIED | FULLY RECOVERED
--- | --- | ---
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" [90mm]
PLA 125–YYY YE | 6.3" [160mm] | 4.3" [110mm]
PLA 160–YYY BK | 7.5" [190mm] | 5.2" [130mm]
PLA 90/30–YYY YE | 3.5" [90mm] | 1.2" [30mm]

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

NOTE:
FOLLOW MANUFACTURER’S INSTALLATION INSTRUCTIONS.

HEAT SHRINK SLEEVE

OPTION A
HEAT SHRINK SLEEVE

OPTION B
HEAT SHRINK SLEEVE

CORR. DUCT SIZE | STRAND SYSTEM | BAR SYSTEM | HEAT SHRINK SLEEVE SIZE | PART NUMBER
--- | --- | --- | --- | ---
1" x 3" (25mm x 76mm) | 4–0.6" | 1", 1-1/4", 1-3/8" | PLA–63–450 YE | U00044063
2-3/8" (59mm) | 7–0.6" | | PLA–63–450 YE | U00044063
3" (76mm) | 1 3/4" | | 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

DIMENSIONS: INCH (mm) mm FOR REFERENCE ONLY

HEAT SHRINK SLEEVE SIZES FOR INTERNAL GRouted APPLICATIONS

REV. DATE NAME ERCRN
--- --- --- ---

PART NUMBERS:
SEE TABLE ABOVE

DRAWING NUMBER: DSI
U00044000

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320 MARMON DRIVE - BOLINGBROOK, IL 60440
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DATE: 07-31-19
Dwg: G. Malecot
Chk: S.J.
App: S.J.