### Right Hand Thread

**Part Numbers**

- For Bare Bar: B36E Cut

**Specifications**

- ASTM A722 Type II

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**Physical Properties**

- Effective Area: 1.58 SQ.IN. (1019 SQ.mm)
- Ultimate Strength: 150 KSI (1034 N/SQ.mm)
- Ultimate Load: 237 KIPS (1054 KN)
- Yield Load: 191.2 KIPS (851 KN)
- Weight: 5.56 LBS./FT. (8.27 Kg/m)
- Max. Bar φ Incl. Ribs: 1.63 IN. (41.4mm)
- Average Core φ: 1.40 IN. (35.6mm)
- Pitch: 0.709 IN. (18.0mm)
NOTES:
1. PLATE & PIPE GALVANIZED ACCORDING TO ASTM A123 AFTER WELDING.
2. DIMENSIONS AND TOLERANCES APPLY TO UNCOATED PLATES.
3. ENSURE THREADABILITY OF TAPPED HOLES IN COATED PLATES.
4. 3" SDR 17 HDPE PIPE U00055112 FITS OVER TUBING.
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3. ENSURE THREADABILITY OF TAPPED HOLES IN COATED PLATES.
4. 3" SDR 17 HDPE PIPE 000055112 FITS OVER TUBING.

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**DIMENSIONS:** INCH [mm]

**QUALITY PLAN NUMBER:**

**SQUARE BEARING PLATE WITH EXIT PIPE FOR 1-3/8" (36mm) THREADBAR TO BE USED WITH HDPE PIPE**

**DATE:** 06/20/20  **DRAWG.:** G. MALECKI  **CHKG:** S.L  **APP:** S.L

---

**TOLERANCES:**  &.020 UNLESS NOTED

**WEIGHT:** 28.1 LBS.

**REV.**  **DATE**  **NAME**

**PART NUMBER:** B36E22910

---

**DYWIDAG-SYSTEMS INTERNATIONAL, USA, INC.**

**POST TENSIONING / REINFORCING UNIT**  **PHONE:** 830-739-1100

320 MARMON DRIVE - BOLINGBROOK, IL  **FAX:** 830-739-1405

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WASHER FOR NYLON CAPS
STAINLESS STEEL 316L BOLTS AND 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 CARRIAGE BOLT, 4-1/2&quot; LONG</td>
</tr>
<tr>
<td>10</td>
<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.

DIMENSIONS: INCH
QUALITY PLAN NUMBER:

STAINLESS STEEL 316L BOLTS AND WASHER FOR NYLON CAPS

DATE: 09-10-04
Dwg: G. Malecki
Chk: E.A.
App: K.S.

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REV. DATE NAME NAME PART NUMBERS; SEE TABLE
1 09/10/04 S.J.
09/10/10 S.J.

DRAWING NUMBER: 00 00 770

SCALE 1/3
1-3/8" GROUTABLE ANCHOR NUTS
FOR THREADBAR GR. 150

MINOR DIAMETER:
1.429–1.433
(36.30–36.40)

THREAD ACCORDING TO TOLERANCE
DRAWING 8341/722

DIMENSIONS: INCH/mm
QUALITY PLAN NUMBERS: GB000200100

TOLERANCES:
±0.05
UNLESS NOTED

WEIGHT:
3.2 LBS.

MATERIAL:
C1045 FORGING
ASTM A521-CF MOD.
NORMALIZED
BHN = 180-220

DRAWING NUMBER:
B36E24210

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320 MARMON DRIVE - BOLINGBROOK, IL 60440
PHONE: 630-739-1100 FAX: 630-739-1405
NOTES:
1. COUPLERS ALSO SUITABLE FOR GRADE 160 THREADBARS.
2. I.D. DEVIATES FROM STANDARD THREADFORM DRAWING.

<table>
<thead>
<tr>
<th>NOMINAL SIZE</th>
<th>1-3/8”</th>
</tr>
</thead>
<tbody>
<tr>
<td>PART NUMBERS</td>
<td>36mm</td>
</tr>
<tr>
<td>FOR COUPLERS:</td>
<td></td>
</tr>
<tr>
<td>WITHOUT SET SCREWS</td>
<td>B36E30710</td>
</tr>
<tr>
<td>O.D. (IN./mm)</td>
<td>2.500/63.5</td>
</tr>
<tr>
<td>I.D. (IN./mm)</td>
<td>1.433/36.4</td>
</tr>
<tr>
<td>L (IN./mm)</td>
<td>8.750/222.3</td>
</tr>
<tr>
<td>THREADFORM: 8341/722</td>
<td></td>
</tr>
<tr>
<td>TOLERANCE FOR:</td>
<td></td>
</tr>
<tr>
<td>O.D. (IN.)</td>
<td>+0.250–0</td>
</tr>
<tr>
<td>I.D. (IN.)</td>
<td>±0.004</td>
</tr>
<tr>
<td>L (IN.)</td>
<td>±1/16</td>
</tr>
<tr>
<td>WEIGHT (LBS.)</td>
<td>10.00</td>
</tr>
</tbody>
</table>

DIMENSIONS: INCH [mm] FOR REFERENCE ONLY
QUALITY PLAN NUMBER: DB000030008
REV. DATE NAME ERN PART NUMBER: B36E30710
1-3/8” FULL LOAD COUPLER FOR GRADE 150 THREADBAR
MATERIAL: C1020 CD SEAMLESS MECHANICAL TUBE ASTM A519
SCALE:

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

PRESSURE RATED: 150 PSI
1/2" NPT PIPE NIPPLES

LENGTH VARIES

1/2" NPT THREAD TYP.

PRESSURE RATED: 150 PSI

MATERIAL:
SCH 40 BLACK WELDED STEEL

SCALE
1:1

DIMENSIONS: INCH [mm] FOR REFERENCE ONLY
QUALITY PLAN NUMBER: Q0000000020P

PART NUMBER: 00 00 678

REV. DATE NAME

PART NUMBER: 00 00 678

DYWIDAG-SYSTEMS INTERNATIONAL, USA, INC.
320 MARMON DRIVE - BOLINGBROOK, IL 60440
PHONE: 630-739-1100  FAX: 630-739-1405
3/4" NPT PIPE NIPPLES

PRESSURE RATED: 150 PSI

LENGTH VARIES

3/4" NPT THREAD TYP.

Diameter: 0.050 (26.7) (Nominal)

MATERIAL: SCH 40 BLACK WELDED STEEL

SCALE 1:1

REV. DATE NAME EDN

PART NUMBER: 00 00 878

QUALITY PLAN NUMBER: Q000000020P

DIMENSIONS: INCH [mm]

mm FOR REFERENCE ONLY

01-29-19 DWG: G. MALICKI CHK: S.L APP: S.L

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3/4" NPT NYLON PLUG

PRESSURE RATED: 150 PSI

3/4"-NPT THREAD

ø.750 [19.1]

8.75 [22.2]

1.125 [28.6] HEX

.625 [15.9]

MATERIAL:
NYLON 6
COLOR: WHITE

WEIGHT
.009 LBS.

SCALE
1:1

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

DIMENSIONS: INCH [mm] FOR REFERENCE ONLY

QUALITY PLAN NUMBER:

PART NUMBER:
00 00 849

REV. DATE NAME

DRAWING NUMBER:
00 00 849
1/2" NPT, 14 THREADS PER INCH, 0.53" THREAD ENGAGEMENT

PRESSURE RATED: 150 PSI

DIMENSIONS: INCH (mm) FOR REFERENCE ONLY

WEIGHT ~ LBS.

MATERIAL: BRASS

SCALE 3/4" = 1"

1/2" BALL VALVE

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3/4" NPT, 14 THREADS PER INCH, 0.55" THREAD ENGAGEMENT

PRESSURE RATED: 150 PSI

DIMENSIONS: INCH (mm) FOR REFERENCE ONLY

<table>
<thead>
<tr>
<th>MATERIAL: BRASS</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>DRAWING NUMBER</th>
<th>00 00 838</th>
</tr>
</thead>
</table>

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MATERIAL: 3" SDR 17 HDPE PIPE.

SPECIFICATIONS:
1. PIPE SHALL BE OF HIGH-DENSITY POLYETHYLENE AND SHALL HAVE A MAXIMUM DIMENSION RATIO (DR) OF 17 AS ESTABLISHED BY EITHER ASTM D3035 OR ASTM F714, AS APPROPRIATE FOR MANUFACTURING PROCESS USED.
2. PIPE SHALL HAVE A MINIMUM PRESSURE RATING OF 125 PSI.
3. MEETS REQUIREMENTS OF ASTM D3350 WITH A MINIMUM CELL CLASS OF 445574C.
4. CONTAINS ANTIOXIDANTS WITH A MINIMUM OXIDATIVE-INDUCTION TIME (OIT) ACCORDING TO ASTM D3895 OF 40 MINUTES.
5. REMOLDED FINISHED MATERIAL HAS A MINIMUM FAILURE TIME OF THREE HOURS WHEN TESTED FOR STRESS CRACK RESISTANCE USING ASTM F2136 AT AN APPLIED STRESS OF 348 PSI.
6. MINIMUM BEND RADIUS = 20 FT.
INSTALLATION PROCEDURE:
(SEE MANUFACTURER INSTRUCTION MANUAL FOR DETAILED INSTRUCTIONS)

1. CUT PIPE ENDS PRECISELY AT RIGHT ANGLES TO THE PIPE AXIS.
2. CLEAN BOTH PIPE ENDS CAREFULLY.
3. SCRAP BOTH PIPES ENDS AS REQUIRED TO REMOVE THE OXIDE LAYER COMPLETELY.
4. CLEAN BOTH PIPE ENDS WITH CONCENTRATED ISOPROPYL ALCOHOL.
5. USE REROUNDING TOOLS TO CORRECT OVAL PIPE IF NEEDED.
6. USE ALIGNMENT CLAMPS TO SECURE THE ALIGNMENT OF CONNECTED PIPES.
7. PROVIDE SUPPORT TO THE PIPE AND COUPLER TO PREVENT ANY MOVEMENT.
8. ENSURE THERE IS NO EXISTING GAPS BETWEEN COUPLE AND PIPE FACE.
9. ATTACH LEADS OF THE FUSION PROCESSOR TO THE COUPLER.
10. SCAN THE BARCODE ON THE COUPLER AND CONFIRM THE COUPLER'S SIZE ON THE PROCESSOR SCREEN.
11. INITIATE FUSION PROCESS.
12. UNPLUG THE LEADS AS SOON AS THE FUSION PROCESS ENDS.
13. CHECK COOLING TIME OF THE PROVIDED COUPLER BASED ON COUPLER'S SIZE.
14. DO NOT ALLOW MOVEMENT OR APPLIED PRESSURE ON THE JOINTS BEFORE COOLING TIME ENDS.
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CUT TO WIDTH IN FIELD AS NEEDED (IN THIS DIRECTION)

TOP VIEW

NOTE:
FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS.

END VIEW
(NOT TO SCALE)

<table>
<thead>
<tr>
<th>PIPE 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>2 1/2&quot; IPS DR 17</td>
<td>7–0.6&quot;</td>
<td>1&quot;, 1 1/4&quot;, 1 3/8&quot;</td>
<td>KLNN/L 63–450 BK</td>
<td>U00039063</td>
</tr>
<tr>
<td>3&quot; SDR 17</td>
<td>12–0.6&quot;</td>
<td>1 3/4&quot;, 1 3/8&quot;</td>
<td>KLNN/L 90–450 BK</td>
<td>U00039090</td>
</tr>
<tr>
<td>4&quot; SDR 17</td>
<td>19–0.6&quot;</td>
<td>2 1/2&quot;, 3&quot;</td>
<td>KLNN/L 115–450 BK</td>
<td>U00039115</td>
</tr>
<tr>
<td>5&quot; SDR 17</td>
<td>27–0.6&quot; &amp; 31–0.6&quot;</td>
<td></td>
<td>KLNN/L 125–450 BK</td>
<td>U00039125</td>
</tr>
</tbody>
</table>

KLNN HEAT SHRINK SLEEVE

MATERIAL: POLYOLEFIN
MEETS FTT SPEC 980-2.2.1.8 FOR FLEXIBLE FILLER

DIMENSIONS: INCH (mm)

QUALITY PLAN NUMBER:

REV.  DATE  NAME  PART NUMBERS:
1   05-29-20  SI  U00039063  U00039090  U00039115  U00039125

DRAWING NUMBER: U00039000

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