Fixing To Formwork  Threaded hole 3/4" NPT  

NPT Ball Valve 3/4"  
NPT Pipe Nipple 3/4"  
Protection Cap O-Ring  
Protection Cap Bolts  
Protection Cap  

Segmental Duct Coupler 3.35"  
Strand 0.6"  
Spiral  
Trumpet  

Fixing To Formwork  
Duct Coupler 3.00" stepless  

Polypropylene - according to ASTM D4101  
Polyethylene - according to ASTM D3350  
High Density Polyethylene - according to ASTM D3350  
Nylon S-PA0401 - according to ASTM D5989  
Steel GR270 - according to ASTM A416  
Steel AISI 12L14 - according to ASTM A108 + Heat treatment  
Steel AISI C1045 Normalized  
SCH40 steel  
Stainless Steel GR316L - according to ASTM F593  

**INTERMEDIATE COUPLING DETAILS**

See installation procedures

Replace 3/4" pipe 08-03-01-M with 1/2" plug 08-03-01 after injection and inspection

PASSING HOLE FOR INSPECTION

<table>
<thead>
<tr>
<th>ITEM</th>
<th>PART #</th>
<th>DESCRIPTION</th>
<th>MATERIAL</th>
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<tbody>
<tr>
<td>1</td>
<td>12-01-01</td>
<td>Protection Cap</td>
<td>Nylon S-PN265 - according to ASTM D3350</td>
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<tr>
<td>2</td>
<td>12-01-02</td>
<td>Protection Cap Bolts</td>
<td>Stainless Steel GR270 - according to ASTM A416</td>
</tr>
<tr>
<td>3</td>
<td>12-01-03</td>
<td>Protection Cap 1/4&quot;-R</td>
<td>NBR - according to FST TAB 2.1-1.7.1-7 Sec 943</td>
</tr>
<tr>
<td>4</td>
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<td>NPT Pipe - 1/2&quot;</td>
<td>SCH40 steel</td>
</tr>
<tr>
<td>5</td>
<td>00-00-00</td>
<td>NPT Ball Valve - 1/2&quot;</td>
<td>SCH40 steel</td>
</tr>
<tr>
<td>6</td>
<td>00-01-05</td>
<td>NPT Plug -1/2&quot;</td>
<td>High Density Polyethylene - according to ASTM D3350</td>
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<td>7</td>
<td>00-12-02</td>
<td>Weld Plate</td>
<td>Steel AS/ C164</td>
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<td>8</td>
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<td>Welder</td>
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<tr>
<td>9</td>
<td>00-03-03</td>
<td>NPT Pipe - 3/4&quot;</td>
<td>SCH40 steel</td>
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<table>
<thead>
<tr>
<th>ITEM</th>
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<th>DESCRIPTION</th>
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<tr>
<td>10</td>
<td>00-03-04</td>
<td>NPT Ball Valve -3/4&quot;</td>
<td>SCH40 steel</td>
</tr>
</tbody>
</table>

**SECTION B-B**  
Top injection and welding

Section B-B  
Top injection and welding

SECTION A-A  
Injection and welding

Replacing 3/4" pipe 09-03-01-M with 1/2" plug 09-03-01 after injection and inspection

NOTE: Components marked with "T" on the drawing are temporary

<table>
<thead>
<tr>
<th>ITEM</th>
<th>DESCRIPTION</th>
<th>MATERIAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>2s</td>
<td>Commonly available and compatible silicon grease</td>
<td></td>
</tr>
<tr>
<td>3s</td>
<td>Commonly available and compatible silicon grease</td>
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</table>

<table>
<thead>
<tr>
<th>ITEM</th>
<th>PART #</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>IU-20-00</td>
<td>Segmental duct coupler added</td>
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**Spiral**

<table>
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<tr>
<th>ITEM</th>
<th>DESCRIPTION</th>
<th>MATERIAL</th>
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</thead>
</table>

<table>
<thead>
<tr>
<th>ITEM</th>
<th>DESCRIPTION</th>
<th>MATERIAL</th>
</tr>
</thead>
</table>

**INSTALLATION**

1. Preassemble anchor (AN) and plastic trumpet (PT) bore silicone grease shall be used to facilitate the threading and the compresion of the O-ring).
2. Bolt the assembled AN to the pocket former using the two threaded holes located on the front surface of AN. AN shall be placed perpendicular to the tendon's axis and rotated such that the side injection hole points up.
3. The position of the spiral rebar (SR) shall be secured to the AN in its adjacent motor by tack-welding or proper fixing. The SR shall be rotated such that it won't interfere with 3/4" NPT pipe attachment (see using side injection holes. Align axis of SR with AN. Seal unused port in AN. 
4. Install the smooth duct as shown on shop drawings and insert it into PT, sealing the connection by heat shrink sleeve. If not possible, with heat shrink is in order to prevent concrete from permeating.
5. Carry out the pressure test.

**Concrete casting can now proceed.**

6. After completion of concrete placement, remove the pocket former and prove that deck is clear of any obstructions or damage and that all injection vents are free and secured.
7. Install straights by pushing or pulling individually as a bundle into duct. Allow sufficient extra length at the anchor anchorage for stressing.
8. Check the wedge plate (WP) for rust and dirt, clean wedge holes with wire brush if necessary. Lightly grease or oil wedge holes.
9. Check wedges for rust. Discard rusty wedges and use only clean ones.
10. Install wedge plate brought up the inspection hole, slide the wedge over the strands and securely place them into wedge holes.
11. Do not apply post-tensioning forces until the concrete meets compressive strength. P<sub>concrete</sub> is not less than the values shown on the spiral table. These values refer to cylindrical strength.
12. Stressing can now proceed.
13. Stressing operation shall be executed according to the engineering form and requires the simultaneous reading of pressure and elongation. Check the conformity of the final elongations measurement with prescribed values.
14. Install the protection cap (PC) with O-ring sealing on PT using six bolts bore silicone grease shall be used to facilitate the compressing of the O-ring.
15. Thread the NPT pipe for injection onto the PC and the "NPT pipe onto AN. Use a ½" plug to secure the hole on PC not used. (thread seal tape shall be used to improve the tightness of the threading). 
16. Carry out the pressure test. 

**Injection can now proceed.**

17. Wax shall be injected through the filler inlet until it escapes from the filler outlet. Special measures shall be applied for long tendons, for tendon parts with distinct high ports or stucked tendons to avoid leakage. 
18. All vents and injection instructions have to be sealed with plugs soon after injection.
19. Fit holes with non-shrink grout after post injection operation and inspection are completed.
Replace 3/4" ball valve (00-03-02-M) with 3/4" female plug (00-03-04) at the end of operations.

Replace 1/2" ball valve (00-01-04-M) with 1/2" female plug (00-01-06) at the end of operations.

**ANCHORAGE CONFIGURATION**

**PIPE INTERNAL CONFIGURATION**

**NOTE:**
- Vent assemblies can be used as inlet, outlet or drain; when elbows are present, the vent cannot be used for injection/inspection;
- Epoxy grout shall be used to fill recesses; make reference to FDoT standard plans index 462-003 for post-tensioning anchorage and tendon filling details;
- Concrete cover must meet FDoT Structures Design Guidelines Section 1.4.2;
- Components marked with "T" on the drawing are temporary.

**BILL OF MATERIALS**

<table>
<thead>
<tr>
<th>ITEM</th>
<th>PART #</th>
<th>DESCRIPTION</th>
<th>MATERIAL</th>
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<tbody>
<tr>
<td>1</td>
<td>XX-01-00*</td>
<td>Protection Cap</td>
<td>Nylon 5 PA66 - according to ASTM D638</td>
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<tr>
<td>2</td>
<td>XX-02-00*</td>
<td>Anchor</td>
<td>Ductil Iron ASTM A536 GR80-55-06 + Galvanization according to ASTM A123</td>
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<tr>
<td>3</td>
<td>E-IU-XX-07-08*</td>
<td>Smooth Plastic Duct</td>
<td>High Density Polyethylene - according to ASTM D3350</td>
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<tr>
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<td>NPT Pipe Nipple 1/2&quot;</td>
<td>SCH40 steel</td>
</tr>
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<td>5</td>
<td>00-01-04-M</td>
<td>NPT Ball Valve 1/2&quot;</td>
<td>SCH40 steel</td>
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<td>6</td>
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<td>00-01-06</td>
<td>NPT Female Plug 1/2&quot;</td>
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<td>8</td>
<td>00-03-01-M</td>
<td>NPT Pipe Nipple 3/4&quot;</td>
<td>SCH40 steel</td>
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<tr>
<td>9</td>
<td>00-03-02-M</td>
<td>NPT Ball Valve 3/4&quot;</td>
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<td>10</td>
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<td>NPT Plug 3/4&quot;</td>
<td>SCH40 steel</td>
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<td>11</td>
<td>00-03-04</td>
<td>NPT Female Plug 3/4&quot;</td>
<td>SCH40 steel</td>
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<tr>
<td>12</td>
<td>00-07-04-EM</td>
<td>Vent Port 3/4&quot; NPT PE</td>
<td>Polyethylene - according to ASTM D3350</td>
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<td>NPT Female Flep 3/4&quot;</td>
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<td>14</td>
<td>00-07-06-0M</td>
<td>Elbow 90°</td>
<td>Polyethylene - according to ASTM D3350</td>
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<td>15</td>
<td>00-07-06-0M</td>
<td>T Nut 3/4&quot;</td>
<td>Polyethylene - according to ASTM D3350</td>
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**MISCELLANEOUS MATERIALS**

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<tr>
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<tbody>
<tr>
<td>15</td>
<td>Commercially available thread seal tape</td>
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</table>

**PIPE EXTERNAL CONFIGURATION**
5/16"-18UNC HEX BOLT, 3/4" LONG, WHOLE THREADED

5/16" TYPE A NARROW WASHER

ANCHOR 12-03-00

PROTECTION CAP 12-01-00

Material: Stainless Steel GR316L - according to ASTM F593

Title: PROTECTION CAP BOLTS for 12AMTS15

Treatment:

Part # : 12-01-01

Dimensions: INCH [mm]

Date : 12/20/2016

Checked : T.CICCONE

Drawn : F.MORAGLIA

Rev. : 0

First issue

T.C.

F.M.

01/20/16

Drawn

Checked

ANCHOR

Protection Cap

12-01-00

5/16"-18UNC HEX BOLT, 3/4" LONG, WHOLE THREADED

5/16" TYPE A NARROW WASHER

ANCHOR 12-03-00

PROTECTION CAP 12-01-00

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### Section A-A

- **Title**: Centro Guarnizioni TIGER s.r.l
- **Description**: PROTECTION CAP O-RING for 12AMTS15 PT SYSTEM

<table>
<thead>
<tr>
<th>Rev.</th>
<th>Date</th>
<th>L.C.</th>
<th>T.C.</th>
<th>Description</th>
<th>Treatment</th>
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<td>12/20/16</td>
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- **Material**: NBR - according to FDoT Tab. 2.2.1.7-1 Sec. 960

- **NOTE:** This drawing is not intended for manufacturing purposes.

---

**Dimensions**: Ø0.21" (Ø5.34mm) to Ø6.98" (Ø177.17mm)

**Part #:** 12-01-02  
**Code:** OR 06700

---

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WEDGE PLATE for 12AMTS15 [12-06"] External and Internal Unbonded systems

Material: Steel AISI C1045 Normalized

Treatment: -

Title: WEDGE PLATE for 12AMTS15 [12-06"] External and Internal Unbonded systems

Dimensions:
- Ø5.28" [Ø134mm]
- Ø6.3" [Ø160mm]
- 2.44" [62mm]
- 2.68" [68mm]

Date: 05/14/2018

Drawn: L.CIVATI
Checked: T.CICCONE

Part #: E-II-12-02-00

Steel AISI C1045 Normalized

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ANCHOR 12AMTS15 (12-0.6")

Material: Ductile Iron ASTM A536 GR80-55-06
Treatment: Galvanization according to ASTM A123

SECTION A-A

Top inspection access

Mark on outer side

SECTION B-B

Front inspection access

ø3/4" NPT

ø3/4" NPT

ø5.52" [140mm]
ø5.27" [134mm]
ø7.09" [180mm]
ø7.56" [192mm]

ø5.52" [140mm]
ø7.09" [180mm]
ø7.56" [192mm]

7.48" [190mm]

8.66" [220mm]

8.66" [220mm]

Mark on outer side

FRONT VIEW

TENSA AMERICA LLC
1111 KANE CONCOURSE, S.TE 200 - BAY HARBOR ISLAND - 33154 FL
www.tensaamerica.com - PHONE: +1 305-866-9917

Rev. Date Description Drawn Checked
0 12/20/16 First issue F.M. T.C.
12/20/2016

Drawn : F.MORAGLIA
Checked : T.CICCONE

Part #: 12-03-00
Code:

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I have independently reviewed the calculations and testing reports, along with the documentation and certified that TENSA system spiral rebar detail meets the requirements as outlined in paragraph 3.3 PTI Anchorage Zone Design.

(*) Do not apply post-tensioning forces until the concrete mean compressive strength \( f_{cu} \) is not less than the values shown in the present drawing.

NOTE: The local zone reinforcement is to be shown on the shop drawings.
Material:
High Density Polyethylene - according to ASTM D3350

Title:
TRUMPET for 12AMTS15 Internal Bonded and Internal Unbonded / External systems

Date: 12/20/2016

Dimensions: [INCH [mm] FOR REFERENCE ONLY]

Part #: 12-06-00

Material: High Density Polyethylene - according to ASTM D3350

Date: 12/20/2016

Dimensions: [INCH [mm] FOR REFERENCE ONLY]

Part #: 12-06-00

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NOTE:

- This drawing is not intended for manufacturing purposes.
Minimum radius of curvature for prefabricated sections of duct: 8 ft (2.44 m)
Minimum radius of curvature for straight sections of duct to be field bent: 12 ft (3.66 m)

NOTE:
- This drawing is not intended for manufacturing purposes;
- Duct meets FDoT requirements (Par. 2.2.1.2 and 2.4.4 Section 960):
  - maximum dimensional ratio (DR) of 17 as per ASTM D3035 or ASTM F714
  - 125 psi rated
  - minimum cell class of 445574C as per ASTM D3350
  - minimum OIT of 40 minutes as per ASTM D3895

Updated with measures for US and European versions
NOTE:

- The United States (US) coupler must be used with the corresponding US duct; the European (EU) coupler must be used with the corresponding EU duct;
- The installation procedure is general; reference to manufacturer’s instruction manual for the detailed installation instructions;
- This drawing is not intended for manufacturing purposes;
- Coupler meets FDoT requirements (Par. 2.2.1.5 Section 960):
  - 150 psi rated
  - minimum cell class of 445574C as per ASTM D3350
  - minimum OIT of 40 minutes as per ASTM D3895

INSTALLATION

Preparing the duct
1. Scrape the duct up to 0.4" (10mm) beyond the insertion length of the fitting.
2. Clean the welding area and let it dry.
3. Insert the duct ends straight into the fitting for the correct length.
4. Install the aligners in order to keep straight position.

The Welding Process
5. Connect the welding cables to the electrofusion coupler connectors and enter the welding parameters in the device.
6. At the end of the welding cycle, disconnect the cables and wait for the cooling.
7. Remove the aligners.
### PHASE A
bulkhead coupler connection

### PHASE B
match-cast coupler connection

### PHASE C
segments detachment

### PHASE D
gasket placing and protection

### PHASE E
segments connection

**NOTE:**
- Reference to manufacturer’s installation manual for the detailed installation instructions;
- This representation of both smooth and corrugated duct in the same coupler is purely representative;
- Segmental duct coupler meets FDoT requirements (Par. 2.2.1.6 and 3.2.1 Section 960);
- Components marked with “T” on the drawing are temporary, components marked with “O” are optional
- In the beside table “XX” stands for the system dimension

---

**BILL OF MATERIALS**

<table>
<thead>
<tr>
<th>ITEM</th>
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<th>MATERIAL</th>
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<tr>
<td>1</td>
<td>XX-07-03-01</td>
<td>Bulkhead Coupler</td>
<td>Polypropylene - according to ASTM D4101</td>
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<tr>
<td>2</td>
<td>XX-07-03-02</td>
<td>Match-Cast Coupler</td>
<td>Polypropylene - according to ASTM D4101</td>
</tr>
<tr>
<td>3</td>
<td>XX-07-03-03</td>
<td>Sealing Gasket</td>
<td>TPR Blend - according to FDoT Tab. 2.2.1.7-1 Sec. 960</td>
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<tr>
<td>4</td>
<td>XX-07-03-04</td>
<td>Boot</td>
<td>TPR Blend - according to FDoT Tab. 2.2.1.7-1 Sec. 960</td>
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<tr>
<td>5</td>
<td>XX-07-03-05</td>
<td>Bulkhead load plug</td>
<td>Metal</td>
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<tr>
<td>6</td>
<td>XX-07-03-06</td>
<td>Match-Cast Load Plug</td>
<td>Metal</td>
</tr>
<tr>
<td>7</td>
<td>XX-07-03-07</td>
<td>Gasket Blockout</td>
<td>Polypropylene - according to ASTM D4101</td>
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<tr>
<td>8</td>
<td>XX-07-03-08</td>
<td>Storage Cap</td>
<td>Polypropylene - according to ASTM D4101</td>
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<tr>
<td>9</td>
<td>08-10-08</td>
<td>Band Clamp</td>
<td>Stainless Steel 316 - according to ASTM A240</td>
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<td>10</td>
<td>1XX-07-00</td>
<td>Corrugated Duct</td>
<td>Polypropylene - according to ASTM D4101</td>
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<tr>
<td>11</td>
<td>E-XX-00-07-00</td>
<td>Smooth Plastic Duct</td>
<td>High Density Polyethylene - according to ASTM D3350</td>
</tr>
</tbody>
</table>
NOTE:
- All dimensions are measured;
- This drawing is not intended for manufacturing purposes.

Material: Polypropylene - according to ASTM D4101
Title: GTI SDC BULKHEAD COUPLER 3"
for 3" GTI corrugated duct and 3.5" smooth duct
Standard fit for 12AMTS15

Part #: 12-07-03-01
Code: 220331

Date: 08/28/2019
Dimensions: 5.32" [135mm], 2.21" [56mm], 3.80" [96mm], 4.98" [127mm]

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www.tensaamerica.com - PHONE: +1 305-866-9917

Date: 08/28/19
L.C. T.C.
First issue 0
08/28/19

NOTE:
· All dimensions are measured;
· This drawing is not intended for manufacturing purposes.

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NOTE:

- All dimensions are measured;
- This drawing is not intended for manufacturing purposes.

Material: Polypropylene - according to ASTM D4101

Title: GTI SDC MATCHCAST COUPLER 3"
for 3" GTI corrugated duct and
3.5" smooth duct
Standard fit for 12AMTS15

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1111 KANE CONCOURSE, S. TE 200 - BAY HARBOR ISLAND - 33154 FL

Date: 08/28/2019

Part #: 12-07-03-02
Code: 220332

NOTE:
· All dimensions are measured;
· This drawing is not intended for manufacturing purposes.

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NOTE:

- All dimensions are measured;
- This drawing is not intended for manufacturing purposes.

Material: TPR Blend - according to FDoT Tab.2.2.1.7-1 Sec.960
Treatment: TPR Blend - according to FDoT Tab.2.2.1.7-1 Sec.960
Title: GTI SDC SEALING GASKET 3"
for 3" GTI corrugated duct and
3.5" smooth duct
Standard fit for 12AMTS15

Material : TPR Blend - according to FDoT Tab.2.2.1.7-1 Sec.960
Treatment : TPR Blend - according to FDoT Tab.2.2.1.7-1 Sec.960
Title : GTI SDC SEALING GASKET 3"
for 3" GTI corrugated duct and
3.5" smooth duct
Standard fit for 12AMTS15

NOTE:
· All dimensions are measured;
· This drawing is not intended for manufacturing purposes.
NOTE:
- All dimensions are measured;
- This drawing is not intended for manufacturing purposes.
NOTE:

- All dimensions are measured;
- This drawing is not intended for manufacturing purposes;
- Temporary item.

Material: Nylon

Title: GTI SDC BULKHEAD LOAD PLUG 3"
for 3" GTI corrugated duct and 3.5" smooth duct
Standard fit for 12AMTS15

Nylon

- All dimensions are measured;
- This drawing is not intended for manufacturing purposes;
- Temporary item.

Date: 08/28/2019

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GTI SDC BULKHEAD LOAD PLUG 3"
for 3" GTI corrugated duct and 3.5" smooth duct
Standard fit for 12AMTS15

Material: Nylon

Title: GTI SDC BULKHEAD LOAD PLUG 3"
for 3" GTI corrugated duct and 3.5" smooth duct
Standard fit for 12AMTS15

Nylon

- All dimensions are measured;
- This drawing is not intended for manufacturing purposes;
- Temporary item.

Date: 08/28/2019

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GTI SDC BULKHEAD LOAD PLUG 3"
for 3" GTI corrugated duct and 3.5" smooth duct
Standard fit for 12AMTS15

Nylon

- All dimensions are measured;
- This drawing is not intended for manufacturing purposes;
- Temporary item.

Date: 08/28/2019

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GTI SDC BULKHEAD LOAD PLUG 3"
for 3" GTI corrugated duct and 3.5" smooth duct
Standard fit for 12AMTS15

Nylon

- All dimensions are measured;
- This drawing is not intended for manufacturing purposes;
- Temporary item.

Date: 08/28/2019

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Nylon

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Date: 08/28/2019

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GTI SDC BULKHEAD LOAD PLUG 3"
for 3" GTI corrugated duct and 3.5" smooth duct
Standard fit for 12AMTS15

Nylon

- All dimensions are measured;
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- Temporary item.

Date: 08/28/2019

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**GTI SDC MATCHCAST LOAD PLUG 3”**

for 3” GTI corrugated duct and 3.5” smooth duct

Standard fit for 12AMTS15

**Material:**
Nylon

**Dimensions:**
<table>
<thead>
<tr>
<th>INCH</th>
<th>[mm]</th>
<th>FOR REFERENCE ONLY</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.05&quot;</td>
<td>77mm</td>
<td></td>
</tr>
<tr>
<td>3.78&quot;</td>
<td>96mm</td>
<td></td>
</tr>
<tr>
<td>0.79&quot;</td>
<td>20mm</td>
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</tr>
</tbody>
</table>

**Treatment:**

**Title:**
GTI SDC MATCHCAST LOAD PLUG 3”

**Date:** 08/28/2019

**Checked:** T. CICCONE

**Drawn:** L. CIVATI

**Part #:** 12-07-03-06

**Code:** 220346

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Date: 08/28/19

First issue

L.C. T.C.

0 08/28/19

Description

Drawn Checked

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NOTE:

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- Temporary item.

Title: GTI SDC GASKET BLOCKOUT 3"
for 3" GTI corrugated duct and 3.5" smooth duct
Standard fit for 12AMTS15

Material: Polypropylene - according to ASTM D4101

DIMENSIONS:

- Thickness: 0.36" [9mm]
- Diameter: 4.88" [124mm]
- Length: 3.98" [101mm]

NOTE:

- All dimensions are measured;
- This drawing is not intended for manufacturing purposes;
- Temporary item.
NOTE:

- All dimensions are measured;
- This drawing is not intended for manufacturing purposes;
- Temporary item.
UNWRAPPED PLAN VIEW

Ø1.57" [Ø40mm]

Ø15.75" [Ø400mm]

Ø11.81" [Ø300mm]

UNWRAPPED LATERAL VIEW

Ø0.08" [Ø2mm]

Material:
Coated Polyolefin Backing - according to FDoT Tab.2.2.1.8-1 Sec.960

Treatment:
- CANUSA-CPS
HIGH TEMPERATURE HEAT SHRINK SLEEVE
Standard fit for 12AMTS15 External and Internal Unbonded Systems

NOTE:
- Thickness is type L, i.e. 0.035" [0.9 mm] backing + 0.043" [1.1 mm] adhesive;
- This drawing is not intended for manufacturing purposes;
- Heat shrink sleeve meets or exceeds FDoT requirements (Table 2.2.1.8-1 Section 960);
- For the installation make reference to manufacturer procedure;

Date: 05/14/2018

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NOTE:

- This drawing is not intended for manufacturing purposes;
- Coupler meets or exceeds FDoT requirements (Section 960-2.2.1.5 and 2.4.4);
- Standard fit for 3.00” [76mm] corrugated plastic duct and 3.50” smooth plastic duct.

Material: Polypropylene - according to ASTM D4101

Revision: 0

Date: 05/24/18

GTI STEPLESS COUPLER
Adaptation for 3.00” corrugated duct and 3.50” smooth plastic duct with 12AMTS15 trumpet

Code: 220304
Drawn: L.CIVATI
Checked: T.CICCONE
NOTE:

- All dimensions are measured;
- This drawing is not intended for manufacturing purposes.

Title:
GTI SDC BULKHEAD COUPLER 3.35"
for 3.35" GTI corrugated duct and
3.5" smooth duct

Large coupler configuration for 12AMTS15

Material:
Polypropylene - according to ASTM D4101

Dimensions:

<table>
<thead>
<tr>
<th>Code</th>
<th>12AMTS15</th>
<th>GTI SDC BULKHEAD COUPLER 3.35&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part #</td>
<td>12-07-03-01-L</td>
<td>GTI SDC BULKHEAD COUPLER 3.35&quot;</td>
</tr>
<tr>
<td>Code</td>
<td>220381</td>
<td>GTI SDC BULKHEAD COUPLER 3.35&quot;</td>
</tr>
</tbody>
</table>

NOTE:
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Material: Polypropylene - according to ASTM D4101

Title: GTI 5DC MATCHCAST COUPLER 3.35"
for 3.35" GTI corrugated duct and 3.5" smooth duct
Large coupler configuration for 12AMTS15

NOTE:
· All dimensions are measured;
· This drawing is not intended for manufacturing purposes.

Date: 08/28/2019
Dimensions: 5.50" [140mm] 4.20" [107mm] 5.38" [137mm] 2.18" [55mm]

Drawing Information:
- Code: 220382
- Drawn: L. CIVATI
- Checked: T. CICCONE
- First Issue: 08/28/19
- Part #: 12-07-03-02-L
- Code: 220382
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NOTE:

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NOTE:

- All dimensions are measured;
- This drawing is not intended for manufacturing purposes.

Material: TPR Blend - according to FDoT Tab.2.2.1.7-1 Sec.960

Title: GTI SDC BOOT 3.35” for 3.35” GTI corrugated duct and 3.5” smooth duct

Large coupler configuration for 12AMTS15

Part #: 12-07-03-04-L Code: 220384

Drawn: L. CIvATI Checked: T. CIcCONE

Date: 08/28/2019

Dimensions: INCH [mm] FOR REFERENCE ONLY

TPR Blend - according to FDoT Tab.2.2.1.7-1 Sec.960

NOTE:

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- This drawing is not intended for manufacturing purposes.
NOTE:
- All dimensions are measured;
- This drawing is not intended for manufacturing purposes;
- Temporary item.

Title: GTI SDC BULKHEAD LOAD PLUG 3.35"
for 3.35" GTI corrugated duct and 3.5" smooth duct
Large coupler configuration for 12AMTS15

Material: Nylon
Treatment: -

Dimensions: [120mm] 4.3" [107mm] 4.73" [88mm] 3.46" [39mm] 1.55"

Part #: 12-07-03-05-L
Code: 220393

Date: 08/28/2019

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NOTE:

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- This drawing is not intended for manufacturing purposes;
- Temporary item.

Material: Nylon

Title: GTI SDC MATCHCAST LOAD PLUG 3.35"
for 3.35" GTI corrugated duct and 3.5" smooth duct

Large coupler configuration for 12AMTS15

Drawn: L. CIVATI
Checked: T. CICCONE

Part #: 12-07-06-L
Code: 220396

Revision Date: 08/28/2019

Dimensions:

- FOR REFERENCE ONLY

INCH [mm]

Nylon

NOTE:

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NOTE:

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- This drawing is not intended for manufacturing purposes;
- Temporary item.

Material: Polypropylene - according to ASTM D4101

Treatment:

Title: GTI SDC GASKET BLOCKOUT 3.35" for 3.35" GTI corrugated duct and 3.5" smooth duct

Large coupler configuration for 12AMTS15

Part #: 12-07-03-07-L
Code: 220389

Drawn: L. CIVATI
Checked: T. CICCONE

Date: 08/28/2019
Dimensions: For Reference Only

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