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GTI Precast Segmental Duct Coupler

General Technologies, Inc. has developed a State-of-the-Art coupler for post-tensioning ducts at precast segment connections. The **GTI Precast Segmental Duct Coupler** improves the quality of bridge construction by adapting high performance materials and concepts to the specialized needs of the segmental bridge industry.

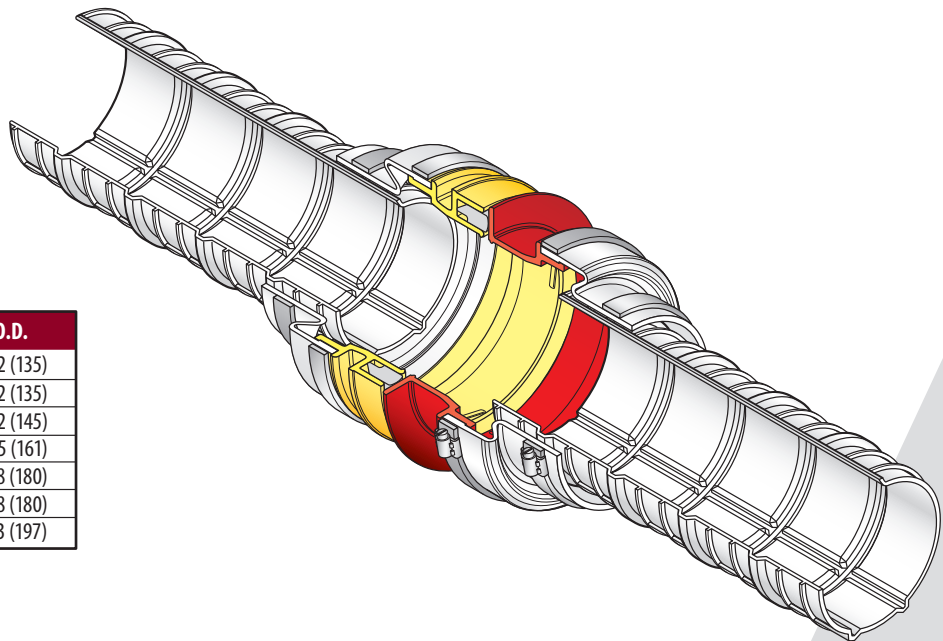
The **GTI Segmental Duct Coupler** complies with the requirements of PTI/ASBI M50.3-12, *Guide Specification for Grouted Post-Tensioning*; fib Bulletin No. 75, *Polymer duct systems for internal bonded post-tensioning*; and the Florida Department of Transportation Specifications.

The **GTI Segmental Duct Coupler** was designed specifically for bridge construction sites. As such, it had to be rugged, sturdy, strong and user friendly. Installation procedures are easily followed in the field and are graphically depicted for ease of understanding.

The **GTI Segmental Duct Coupler** provides many advantages to contractors, engineers and owners. A summary of the advantages of using **GTI Segmental Duct Couplers** follows:

- The **GTI Segmental Duct Coupler** creates an air and water-tight connection at the most vulnerable location in the tendon – the segment joint – providing the best corrosion protection available.
- The **GTI Segmental Duct Coupler** maintains the integrity of the post-tensioning tendon duct for grouting purposes – there are no crossovers, and epoxy does not leak through the segmental couplers or attachments.
- The **GTI Segmental Duct Coupler** accepts angles up to at least 15 degrees in any direction at the segment joint to maintain tendon alignment – which is far greater than required on most projects.
- The **GTI Segmental Duct Coupler** allows for misalignment of the segments by up to 1/4 inch (6 mm) in any axis meaning field tolerances are achievable.

PART NO.	DUCT	O.D.
220230	59 mm	5.32 (135)
220330	76 mm	5.32 (135)
220380	85 mm	5.72 (145)
220430	100 mm	6.35 (161)
221440	109 mm	7.08 (180)
220480	115 mm	7.08 (180)
220530	130 mm	7.73 (197)

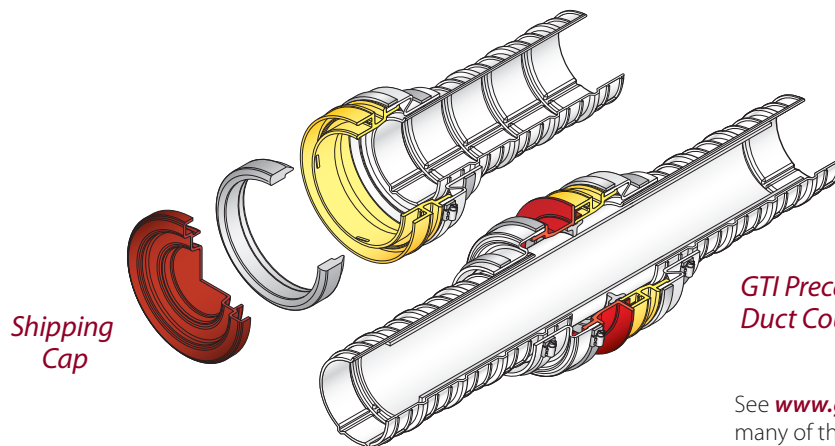
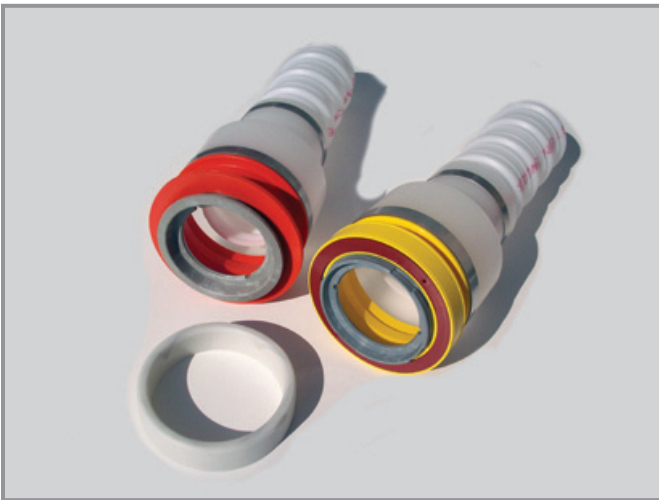


GENERAL TECHNOLOGIES, INC.®



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GTI Precast Segmental Duct Coupler

See www.gti-usa.net/patents.shtml for a listing of many of the patents licensed to GTI, including patents that may cover one or more of the products identified.