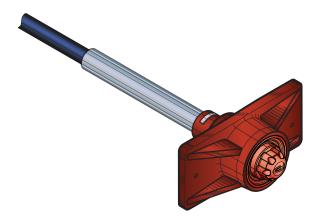


GTI® 0.5" Zero Void® Fixed-End



General Technologies, Inc. designs and supplies the most advanced and reliable Encapsulation Systems for Unbonded Post-tensioning available today. The **GTI® Zero Void® Encapsulation System** is a proven method of providing corrosion protection for unbonded tendons. Our patented system consists of an anchor casting encapsulated in a thick polyethylene material with excellent chemical and cold temperature resistance. The **GTI® Zero Void® System** eliminates the need to fill sleeves (tubes) with grease as required by ACI and PTI Guide Specifications.

GTI® Zero Void® Fixed-End Anchorages are push seated in the fabricator's plant using a **GTI® Push Seater** thus eliminating pull seating of the fixed-end wedges and the need for a grease filled tube to protect the strand. The low-profile encapsulation cap is easily attached and helps prevent "knock-off" during shipping.

The GTI® Zero Void® Sheathing Lock System includes all of the advantages and features of the original GTI® Zero Void® System while incorporating new features to help post-tensioners achieve the requirements as written in PTI and ACI Specifications for Unbonded Single-Strand Tendons.

The advantages of the GTI® Zero Void® Sheathing Lock are:

- An encapsulation system without sleeves there is no annular space (void) to fill with PT Coating between the sleeve and the strand.
- The sheathing will not move or contract after the Sheathing Lock is affixed.
- Sheathing movement due to thermal expansion or contraction is not a factor any longer.

GTI® Zero Void® Spring-Loaded Fixed-End Anchorages are hand installed using special springs and caps in the field for special circumstances. These specialty anchorages do not need grease filled tubes to protect the strand.

GTI® Zero Void® Grease Caps are designed especially for the **GTI® Zero Void® System**. The cap is part of the **GTI® Zero Void® System** and is pre-filled with a precise amount of grease that is held in place by a clear membrane. The cut tendon tail breaks the clear membrane when the cap is locked into place. Once the clear membrane is severed, the grease displaced by the tendon tail will fill the wedge cavity, further enhancing the corrosion protection within the **GTI® Zero Void® System**.

Please contact GTI Technical Representatives at **sales@gti-usa.net** for more information.

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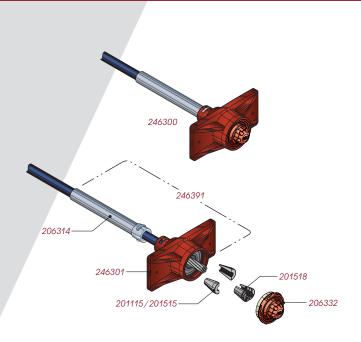


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GTI® 0.5" Zero Void® Fixed-End

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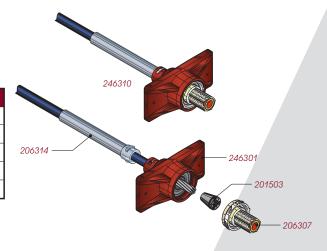
246500
206505 206506 206507 206508 206508
201518 201115/201515 206332 206512

GTI® 0.5	GTI® 0.5" ZERO-VOID FIXED-END			
246300	GTI .5" ZERO VOID ENCAPSULATION SET, D.E., SM1-05, including			
	246391	GTI .5" ZI	ERO VOID ENCAPSULATION & SEAL, SM1-05	
		246301	GTI .5" ZERO VOID ENCAPSULATION, SM1-05	
		206314	GTI .5" ZERO VOID SEAL, 6", TRANSPARENT	
	206332	GTI .5" ZI	ERO VOID CAP, DE W/GREASE	
FOR WEDGE PART NUMBER SEE WEDGE TABLE			NUMBER SEE WEDGE TABLE	

GTI® 0.5" ZERO-VOID FIXED-END (SHEATHING LOCK)					
246500	GTI .5" ZE	TI .5" ZERO VOID ENCAPSULATION SET, SHEATHING LOCK, SM1-05			
	246501	GTI .5" ZER	GTI .5" ZERO VOID ENCAPSULATION, SHEATHING LOCK, SM1-05		
	206332	GTI .5" ZERO VOID CAP, DE W/GREASE			
	206505	GTI .5" ZERO VOID SHEATHING LOCK CARTRIDGE			
		206506	GTI .5" Z-VOID, SHEATHING LOCK CARTRIDGE BODY		
		206507	GTI .5" Z-VOID, SHEATHING LOCK CARTRIDGE WEDGE		
	206508	GTI .5" ZERO VOID SHEATHING LOCK CARTRIDGE GASKET			
	FOR WED	OR WEDGE PART NUMBER SEE WEDGE TABLE			
206512	.5" Z-VOID, SHEATHING LOCK WRENCH				

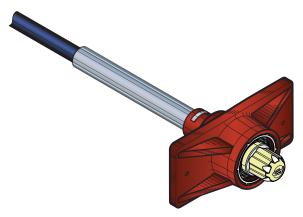
GTI® 0.5" WEDGE TABLE				
GTI® Zero Void Anchorage Kits are sold with a variety of wedge types based on customer preference. See table below to determine/identify wedge type.				
Α	201115	GTI WEDGE, 2 PIECE5", 1.2" LONG		
В	201515	GTI S1-05 2-PIECE WEDGE, 1.2" LONG		
C	201518	GTI S1-05 2-PIECE WEDGE, W/CLIP		

GTI® 0.5" ZERO VOID FIXED-END (SPRING-LOADED)				
246310	GTI .5" ZERO VOID FIXED-END (SPRING-LOADED), SM1-05			
	246301	GTI .5" ZERO VOID ENCAPSULATION, SM1-05		
	206307	GTI .5" ZERO VOID CAP, SPRING LOADED W/RED MARKER TAB/GREASE		
	206314	GTI .5" ZERO VOID SEAL, 6", TRANSPARENT		
	201503	GTI S1-05 3-PIECE WEDGE WITH SPRING		





GTI® 0.5" Zero Void® Stressing-End



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The GTI® Zero Void® Stressing-End utilizes the GTI® Plasma Cutter or GTI® PocketShear® to cut tendon tails after stressing. The GTI® Plasma Cutter generates a minimal amount of heat during cutting and has no effect on the heat treatment of strand or wedges compared to using oxyacetylene torch cutting. Additionally, the GTI® Plasma Cutter and GTI® PocketShear® quickly cut the tendon tail to a precise length, unlike other methods.

The GTI® Nail-Less Pocket Former is designed to eliminate the use of nails to fasten the stressing anchor to the edge form thus eliminating staining of the concrete surface.

The GTI® GROUT-LOCK® Pocket Former, consisting of a pocket former with a lock ring that can be used with the GTI® Zero Void® System, is a unique concept to improve the quality and longevity of post-tensioning tendons by providing a mechanical bond that holds the grout plug tightly in place against the surrounding concrete even in less than ideal conditions where the stressing pocket is wet, dirty, covered with grease, or torch residue. The GTI® GROUT-LOCK® Ring has an interior concave surface creating a shear key and slides into position on the GTI® GROUT-LOCK® Pocket Former holding it in place.

The **GTI® Zero Void® System** eliminates the need to strip the plastic sheathing protecting the strand prior to stressing by using a special tool, the **GTI® Sheathing Stripper®**, to remove the sheathing from inside the anchor cavity immediately prior to stressing. There is no bare strand exposure during construction.

The tabs in the encapsulation provide a mechanical connection of the GTI® Zero Void® Grease Cap that allows the cap to be quickly and permanently locked in place at the proper depth thus allowing an easy gauge of proper cap installation. GTI® Zero Void® Grease Caps are designed especially for the GTI® Zero Void® System. The cap is part of the GTI® Zero Void® System and is pre-filled with a precise amount of grease that is held in place by a clear membrane. The cut tendon tail breaks the clear membrane when the cap is locked into place. Once the clear membrane is severed, the grease displaced by the tendon tail will fill the wedge cavity, further enhancing the corrosion protection within the GTI® Zero Void® System.

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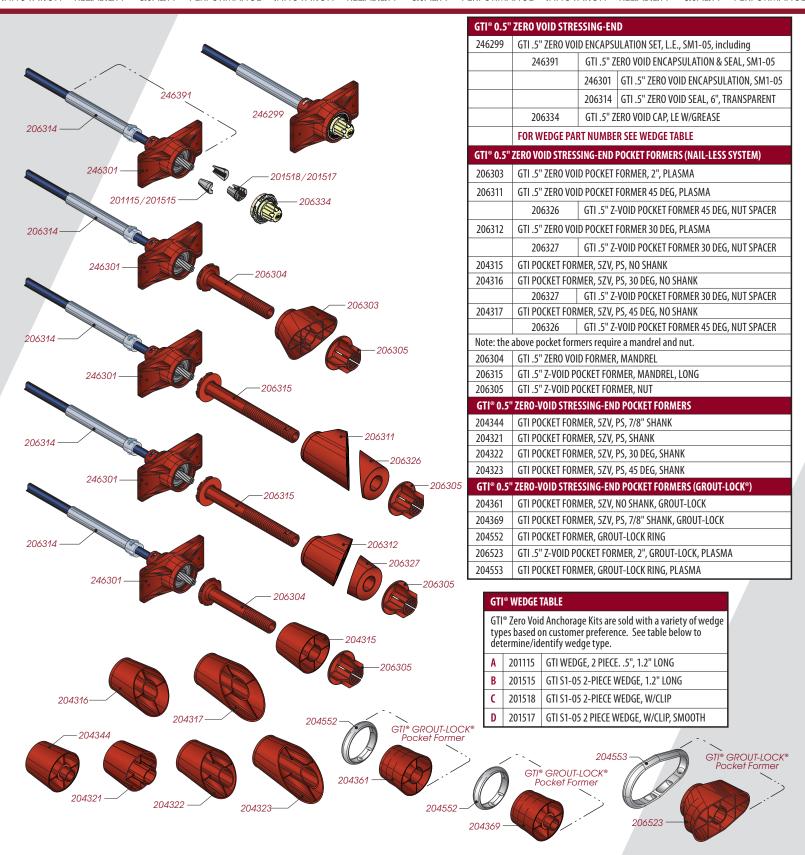


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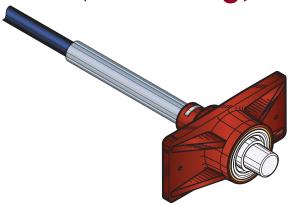
GTI® 0.5" Zero Void® Stressing-End

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GTI® 0.5" Zero Void® Stressing-End (Metal Ring)



General Technologies, Inc. designs and supplies the most advanced and reliable Encapsulation Systems for Unbonded Post-tensioning available today. The **GTI® Zero Void® Encapsulation System** is a proven method of providing corrosion protection for unbonded tendons. Our patented system consists of an anchor casting encapsulated in a thick polyethylene material with excellent chemical and cold temperature resistance. The **GTI® Zero Void® System** eliminates the need to fill sleeves (tubes) with grease as required by ACI and PTI Guide Specifications.

The GTI® Zero Void® Stressing-End with Metal Ring utilizes a metal ring with a groove to protect the encapsulation from the heat generated by an oxyacetylene torch. A GTI® PocketShear® can also be utilized with the GTI® Zero Void® Stressing-End with Metal Ring to cut tendon tails to a precise length, unlike other methods.

The GTI® GROUT-LOCK® Pocket Former, consisting of a pocket former with a lock ring that can be used with the GTI® Zero Void® System, is a unique concept to improve the quality and longevity of post-tensioning tendons by providing a mechanical bond that holds the grout plug tightly in place against the surrounding concrete even in less than ideal conditions where the stressing pocket is wet, dirty, covered with grease, or torch residue. The GTI® GROUT-LOCK® Ring has an interior concave surface creating a shear key and slides into position on the GTI® GROUT-LOCK® Pocket Former holding it in place.

The **GTI® Zero Void® System** eliminates the need to strip the plastic sheathing protecting the strand prior to stressing by using a special tool, the **GTI® Sheathing Stripper®**, to remove the sheathing from inside the anchor cavity immediately prior to stressing. There is no bare strand exposure during construction.

The grooves in the metal ring provide a mechanical connection of the GTI® Zero Void® Grease Cap that allows the cap to be quickly and permanently locked in place at the proper depth thus allowing an easy gauge of proper cap installation. GTI® Zero Void® Grease Caps are designed especially for the GTI® Zero Void® System. The cap is part of the GTI® Zero Void® System and is pre-filled with a precise amount of grease that is held in place by a clear membrane. The cut tendon tail breaks the clear membrane when the cap is locked into place. Once the clear membrane is severed, the grease displaced by the tendon tail will fill the wedge cavity, further enhancing the corrosion protection within the GTI® Zero Void® System.

Please contact GTI Technical Representatives at **sales@gti-usa.net** for more information.

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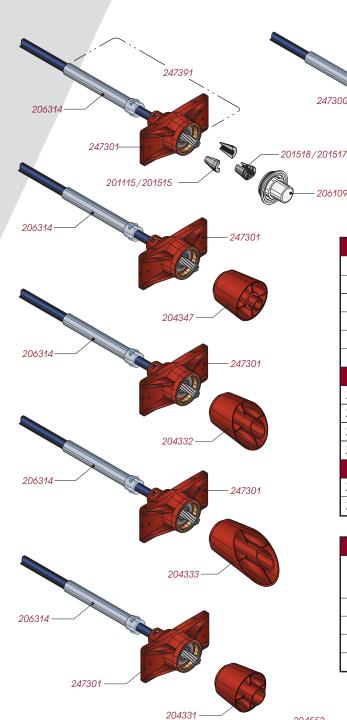


GTI® 0.5" Zero Void® Stressing-End (Metal Ring)

INNOVATION * RELIABILITY * QUALITY * PERFORMANCE * INNOVATION * RELIABILITY * QUALITY * PERFORMANCE * INNOVATION * RELIABILITY * QUALITY * PERFORMANCE

247300

206109



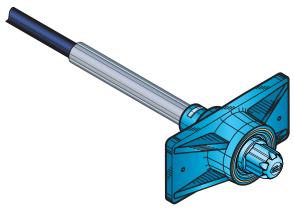
GTI® 0.5	" ZERO VO	OID STRES	SING-END (METAL RING)	
247300	GTI ZERO VOID ENCAPSULATION SET, METAL RING, SM1-05, including			
	247391	1 GTI.5" ZERO VOID ENCAPSULATION, LE W/RING & SEAL, SM1-05		
		247301	GTI .5" ZERO VOID ENCAPSULATION, LE, SM1-05	
		206314	GTI .5" ZERO VOID SEAL, 6", TRANSPARENT	
	206109	GTI CAP,	LE/DE W/GREASE, CLEAR	
	FOR WEDGE PART NUMBER SEE WEDGE TABLE			
GTI® 0.	5" ZERO VO	OID STRESS	SING-END POCKET FORMERS (METAL RING)	
204347	GTI POCKET FORMER, 5ZV, MR, T/PS, 7/8" SHANK			
204331	GTI POCKET FORMER, 5ZV, MR, T/PS, SHANK			
204332	GTI POCKET FORMER, 5ZV, MR, T/PS, 30 DEG, SHANK			
204333	GTI POCKET FORMER, 5ZV, MR, T/PS, 45 DEG, SHANK			
GTI® 0.	5" ZERO-V	OID STRES	SING-END POCKET FORMERS (METAL RING) (GROUT-LOCK®)	
204379	GTI POCKET FORMER, 5ZV, MR/TMR, 7/8" SHANK, GROUT-LOCK			
204552	GTI POCKET FORMER, GROUT-LOCK RING			

(GTI® WEDGE TABLE				
1	GTI® Zero Void Anchorage Kits are sold with a variety of wedge types based on customer preference. See table below to determine/identify wedge type.				
	Α	201115	GTI WEDGE, 2 PIECE5", 1.2" LONG		
	В	201515	GTI S1-05 2-PIECE WEDGE, 1.2" LONG		
	C	201518	GTI S1-05 2-PIECE WEDGE, W/CLIP		
	D	201517	GTI S1-05 2 PIECE WEDGE, W/CLIP, SMOOTH		





GTI® 0.5" Zero Void® Stressing-End (Metal Ring-Threaded)



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The GTI® Zero Void® Stressing-End Threaded Metal Ring allows cutting tendons with GTI® Plasma Cutter, GTI® PocketShear®, or oxyacetylene torch. The GTI® Plasma Cutter generates a minimal amount of heat during cutting and has no effect on the heat treatment of strand or wedges compared to using oxyacetylene torch cutting. Additionally, the GTI® Plasma Cutter and GTI® PocketShear® quickly cut the tendon tail to a precise length, unlike other methods. The threaded metal ring protects the encapsulation from the heat generated by an oxyacetylene torch.

The GTI® Zero Void® Stressing-End Threaded Metal Ring allows the use of a threaded mandrel so that GTI® Nail-Less Pocket Formers can be used thus eliminating nails to fasten the stressing anchor to the edge form thus eliminating staining of the concrete surface.

The GTI® GROUT-LOCK® Pocket Former, consisting of a pocket former with a lock ring that can be used with the GTI® Zero Void® System, is a unique concept to improve the quality and longevity of post-tensioning tendons by providing a mechanical bond that holds the grout plug tightly in place against the surrounding concrete even in less than ideal conditions where the stressing pocket is wet, dirty, covered with grease, or torch residue. The GTI® GROUT-LOCK® Ring has an interior concave surface creating a shear key and slides into position on the GTI® GROUT-LOCK® Pocket Former holding it in place.

The GTI® Zero Void® System eliminates the need to strip the plastic sheathing protecting the strand prior to stressing by using a special tool, the GTI® Sheathing Stripper®, to remove the sheathing from inside the anchor cavity immediately prior to stressing. There is no bare strand exposure during construction.

The threads in the metal ring provide a mechanical connection of the GTI® Zero Void® Grease Cap that allows the cap to be quickly and permanently locked in place at the proper depth thus allowing an easy gauge of proper cap installation. GTI® Zero Void® Grease Caps are designed especially for the GTI® Zero Void® System. The cap is part of the GTI® Zero Void® System and is pre-filled with a precise amount of grease that is held in place by a clear membrane. The cut tendon tail breaks the clear membrane when the cap is locked into place. Once the clear membrane is severed, the grease displaced by the tendon tail will fill the wedge cavity, further enhancing the corrosion protection within the GTI® Zero Void® System.

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GENERAL TECHNOLOGIES, INC.º



GTI® 0.5" Zero Void® Stressing-End (Metal Ring—Threaded)

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