



## GTI COMPOSITE BAR SUPPORTS – TECHNICAL DATA SHEET

Version 170127

### GTI PRODUCTS

GTI Bar Chairs (Series 210):	1/2" to 6" in 1/4" increments
GTI High Chairs (Series 208):	6-1/4" to 10" in 1/4" increments
GTI Extended High Chairs (Series 211):	10-1/4" to 18" in 1/4" increments
GTI PC Chairs (Series 216):	3/4" to 12" in 1/4" increments
GTI Stack Chairs (Series 291):	12-1/4" to 26" in 1/4" increments
GTI Bolsters – Black (Series 209):	3/4" to 2" in 1/4" increments and 2" to 4" in 1/2" increments
GTI Bolsters – Grey (Series 215):	3/4" to 2" in 1/4" increments and 2" to 4" in 1/2" increments
GTI Bolster Upper (Series 260):	1" to 2-1/2" in 1/4" increments and 3", 3-1/2", 4" and 5"
GTI Single-Lock Paving Chair (Series 212):	2-1/2" to 10-1/2" in 1/2" increments
GTI Double-Lock Paving Chairs (Series 217):	2-1/2" to 10-1/2" in 1/2" increments and a 4" Double-Mat Extension
GTI Intersectional Chairs (Series 205):	1-1/2" to 7" in 1/2" increments
GTI Single-Lock Paving Chairs G2 (Series 223):	2-1/2" to 7-1/2" in 1/4" increments
GTI Double-Lock Paving Chairs G2 (Series 222):	2-1/2" to 7-1/2" in 1/2" increments and a 4" Double-Mat Extension G2
GTI Single-Lock Mesh Chairs G2 (Series 223):	2-1/2" to 7-1/2" in 1/4" increments

### PRODUCT DESCRIPTION

General Technologies, Inc. (GTI) Composite Bar Supports conform in all aspects to the requirements of the Concrete Reinforcing Steel Institute's (CRSI) *Manual of Standard Practice, Chapter 3 – Bar Supports*, 27<sup>th</sup> Edition, Second Printing, 2003.

GTI Composite Bar Supports are composite bar supports which will not rust therefore they eliminate blemishes on the surface of the concrete. GTI Composite Bar Supports are light-weight, non-porous and chemically inert in concrete. GTI Composite Bar Supports have rounded seatings. GTI Composite Bar Supports do not deform under intended loads when subjected to normal temperatures encountered in use. GTI Composite Bar Supports do not shatter or severely crack under impact loading when used in cold weather.

### PRODUCT USE

GTI Composite Bar Supports are used to position reinforcing bars, wire mesh, post-tensioning cables, electrical conduit and other items embedded into concrete. They can be used in both horizontal and vertical applications.

GTI Composite Bar Supports are particularly suitable in situations of moderate to severe exposure or when grinding of concrete is necessary. GTI Composite Bar Supports provide the maximum rust protection.

GTI Bar Chairs, High Chairs, Extended High Chairs and Bolster have tabs to permit stapling to form work to insure greater stability of supporting tall mats and securing the position of post-tensioning cables.

GTI Bar Supports should not be placed closer than 12 inches (300 mm) on center along a reinforcing bar.

GTI Composite Bar Supports are the strongest bar support in the market. The average spacing of bar supports should not exceed 4'0" on center in each direction.

Form oil or bond breaker should not be directly applied to any bar support. Excessive use of bond breaker can cause surface eruptions.

## **SPECIFICATIONS**

Bar supports are generally considered to be a non-structural item by code authorities. However, please refer to the authority having jurisdiction for local requirements. Bar supports should be supplied in conformance with the Architectural and Structural drawings.

Installation of GTI Composite Bar Supports shall be in accordance with the recommendations of the *CRSI Manual of Standard Practice, Chapter 3 Bar Supports* and the requirements of the Architect/Engineer.

GTI Composite Bar Supports are considered to be a Class 1 Bar Support per *CRSI Manual of Practice, Section 3.4 All-Plastic Bar Supports*. GTI Composite Bar Supports may be used to support epoxy reinforcing bars (see *CRSI Manual of Standard Practice Section 3.6 Recommendations for Bar Supports for Epoxy-Coated Reinforcing Bars*).

GTI Composite Bar Supports comply with the requirements of the LEED Green Building Rating system. The LEED (Leadership in Energy and Environmental Design) Green Building Rating System® is a voluntary, consensus-based national standard for developing high-performance, sustainable buildings.

GTI Composite Bar Supports are manufactured in the United States with all American made materials. GTI Composite Bar Supports comply with the United States Government's Buy American Act.

MSDS sheets are available upon request

## **DELIVERY**

General Technologies, Inc.'s manufacturing plant is centrally located in Stafford, Texas. GTI has a large network of distributors across the country. Please contact the Sales Department of GTI for a local sales representative.

## **QUALITY CONTROL**

Destructive testing is performed hourly to ensure satisfactory quality is maintained.