

Tools & Equipment

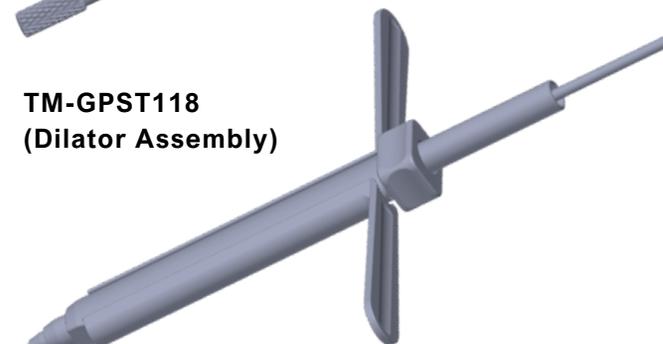
TM-GPST100
(FIRE Handle)



TM-GPST108
(Bone Retention
Guide)



TM-GPST118
(Dilator Assembly)



TM-GPST117
(Cut Guide)



Reconstruction Devices & Screws

(Available in various sizes, cannulated, solid, locking & compression)



(Reconstruction Device)



(4.5 mm Screw)

Features & Benefits

- **Precision** controlled cut guide to create various graft sizes
- **Maximizes** compression and force distribution
- **Calibrated**, cannulated guide
- **Multiple** screw options
 - Cannulated
 - Solid
 - Non-Locking
 - Locking
 - Fully Threaded
 - Partially Threaded
- **Captured** screw implantation

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FIRE SYSTEM

Fracture, Instability, & Reconstruction System

Surgical Technique

Primary Surgery:

Bone Loss Deficiencies/Deformities

- Free bone block
- Latarjet
- Arthroscopic
- Open



TIGON MEDICAL

GreenRepair®

1 Visualize and prepare bone loss site to determine the size of the bone block needed.

2 Secure graft using available tools. Place cut guide (TM-GPST117) at desired location on the graft. Secure using a minimum of 2x cut guide pins (TM-GPST119) opposite each other.



3 Capture reconstruction device (RD) with 2x RD Holder (TM-GPST107) and FIRE Handle (TM-GPST100).



4 Place handle with reconstruction device in the desired position on the graft and within the cut guide. Advance guide wire (TM-GPST103) through the RD Retention Holder. Stop when guide wire laser line is flush with the RD Retention Holder. Repeat with a 2nd wire.

5 Remove RD Retention Holder, one at a time, and replace with Bone Retention Holders (TM-GPST108) over top of the guide wire. Utilize the cannulated T15 Hudson Driver to advance into the bone block, either by hand or on power.



6 Cut desired bone block utilizing a 0.38" thick surgical saw blade.

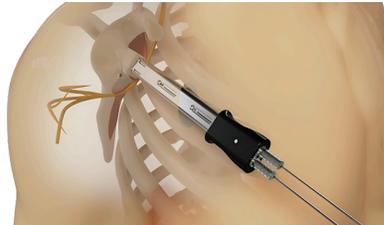


7 Remove bone block, retention device, and handle from graft/cut guide.



8 Utilizing the FIRE Dilator Assembly (TM-GPST118), insert the switching stick at the correct position and slide additional dilate components over the previous. Sequentially dilate, finishing with half pipes.

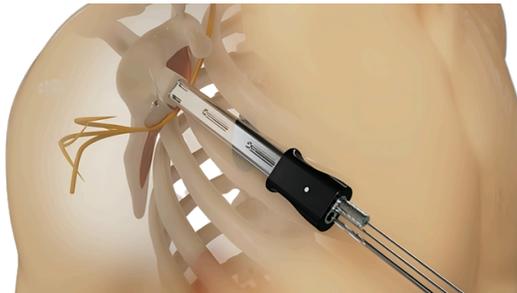
9 Insert graft, with handle, into position at the deficiency site, ensuring graft is flush to or just medial to the glenoid face.



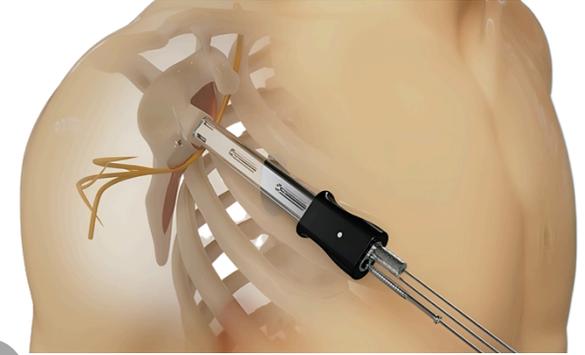
10 Using the center hole of the handle, advance a guide wire bicortically. Once optimal positioning is achieved, advance superior and inferior guide wires bicortically.



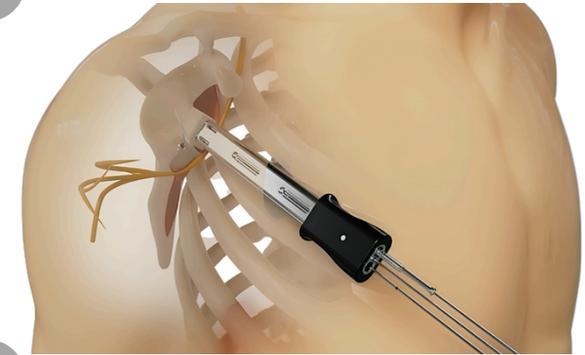
11 Remove one (1) Bone Retention Holder. Drill using the 3.1 mm Calibrated, Cannulated Drill (TM-GPST102). Note the drill depth for the appropriate screw length. The depth gauge (TM-GPST120) can be used to confirm. Note: It is recommended to begin inferiorly.



12 Remove the drill and use the T15 Hudson Driver (Cannulated or Solid) to advance the screw into the bone until flush with the RD. Note: Solid screws may be captured in conjunction with the driver utilizing the Solid Screw Capturing Rod (TM-GPST111).



13 Repeat steps 11 & 12 superiorly



14 Assess repair and remove guide wires.



For soft tissue fixation, complete repair with Tigon Medical's Anchor portfolio.