Volar Buttress Pin™
Surgical Technique | Trimed Wrist Fixation System™
Volar Rim Exposure

- Using a standard volar approach, expose the volar rim up to 1-2mm beyond the distal radial ridge.
- Reflect the distal attachment of the pronator quadratus.
- Avoid detachment of the volar wrist capsule by excessive distal exposure.

Implant Positioning

- Use a 10° lateral X-ray to identify the central axis of the volar rim.
- At the apex of the volar rim, direct a 1.1mm (0.045") K-wire down through the center of the fragment.
- Insert a second K-wire parallel to the first, separated by approximately 10mm. Confirm with X-ray.

Implant Preparation

- Using a Pin Clamp, snap the Volar Buttress Pin™ onto the Wireform Plate.
- Cut legs of the Volar Buttress Pin™ to desired length, leaving one leg slightly longer.
- If needed, alter the angle of legs using the Wire Bender.
For lowest profile, a standard washer can be used instead of a Wireform Plate.

Overlay washer and seat screw until washer flexes to ensure fixation of Wire Form.

A blocking screw/washer may be placed in a longitudinal orientation across the proximal loop for additional implant support.

**Implant Insertion**
- At the apex of the bend, snap a Pin Clamp onto the longest leg making sure it is axially aligned with the leg.
- Withdraw the K-wire corresponding to the longest leg and immediately insert.
- Switch Pin Clamp to shorter leg and repeat.
- Complete seating of each leg using the Impactor.

**Final Fixation**
- Align the Volar Buttress Pin™ to the proximal shaft.
- Use the 1.8mm (blue) drill and 2.3mm cortical screws to fix the implant proximally.
- Confirm implant is seated and secure.
Volar Buttress Pin™
VBP32 32mm
VBP42 42mm

L = length

Washer and Wire Plate™
WASHR 1 Hole
WFP3 3 Hole
WFP5 5 Hole

Screws and Pegs
TRX2.3-xx
10mm to 32mm

TPEG-xx
14mm to 32mm

Wire Bender
BNDWIR-1.1

Pin Clamp
PINCLAMP

Impactor
IMPCT

All implants made from surgical grade stainless steel

X-RAYS

Pre-Op
Pre-Op
Post-Op
Post-Op


Patent Coverage: TriMed, Inc. products are covered by patents issued in the U.S. and in foreign jurisdictions. The presently issued U.S. patents are: 5,709,682; 5,931,839; 5,941,878; 6,077,266; 6,113,603; 7,027,398; 7,195,633; 7,540,874; 8,177,822; 8,821,508; 9,089,376; 9,220,546. The TriMed Volar Buttress Pin™ and Wire Plate™ has U.S. and international patents pending. TriMed Volar Buttress Pin™ and Wire Plate™ is a trademark of TriMed, Inc.

The technique presented is one suggested surgical technique. The decision to use a specific implant and the surgical technique must be based on sound medical judgment by the surgeon that takes into consideration factors such as the circumstances and configuration of the injury.