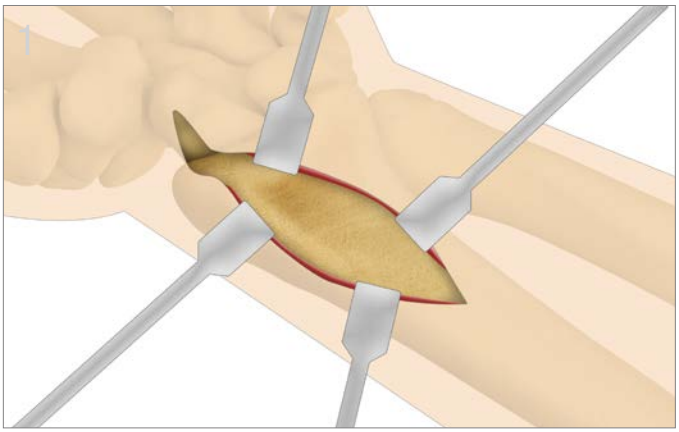
Radial Osteotomy Plate™

Radial Osteotomy System

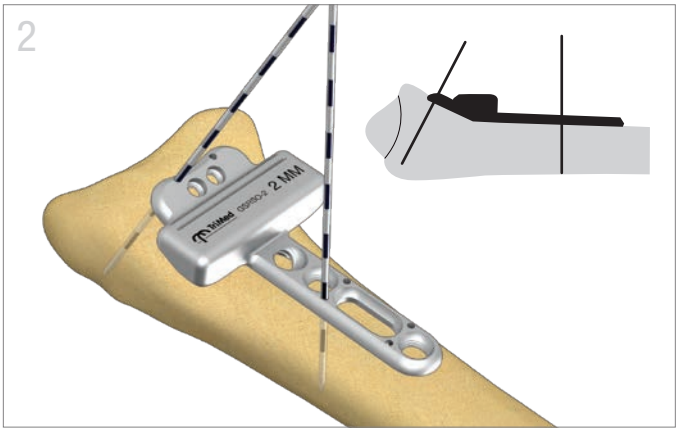
SURGICAL TECHNIQUE

TriMed®



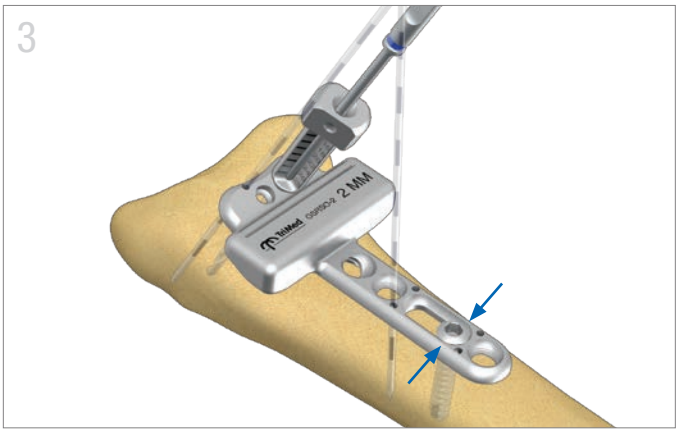
Exposure

- Through the distal limb of a modified Henry volar approach, continue the dissection between the FCR and the radial artery.
- Expose the radial shaft by reflecting the pronator quadratus from its radial and distal insertions.



Position Saw Guide

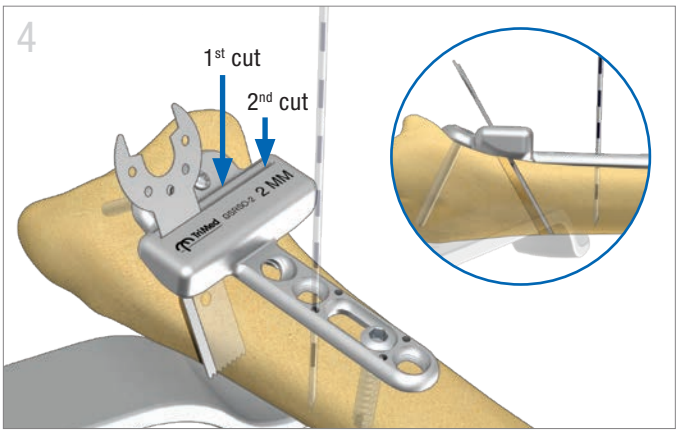
- Select the appropriate saw guide based on the planned resection (2mm or 3mm) and apply it to the radius, centered on the shaft.
- Secure with 1.1mm (0.045”) K-wires distally and proximally. Check position on a lateral X-ray. Adjust as needed.



Secure Saw Guide

- Drill a hole at the proximal end of the slotted hole using the 2.3mm (red) drill bit. Measure and insert 3.2mm cortical screw.
- Screw Peg Guide into a distal screw hole. Drill using the 1.8mm (blue) drill bit. Measure and insert smooth peg. Repeat on second distal hole. Remove distal K-wires.

Tip: Quick Guide1.8 (blue) or Mini Guides can be used to drill holes for pegs



Perform Osteotomy

- Use retractors to protect the soft tissues on the far cortex.
- Make a cut through the distal slot with a saw blade of 0.4mm thickness. Irrigate liberally with each cut.
- Make a second cut through the proximal slot in the guide. Remove proximal K-wires.
- Remove proximal 3.2mm screw and slide the guide off the bone before removing the bone wafer.

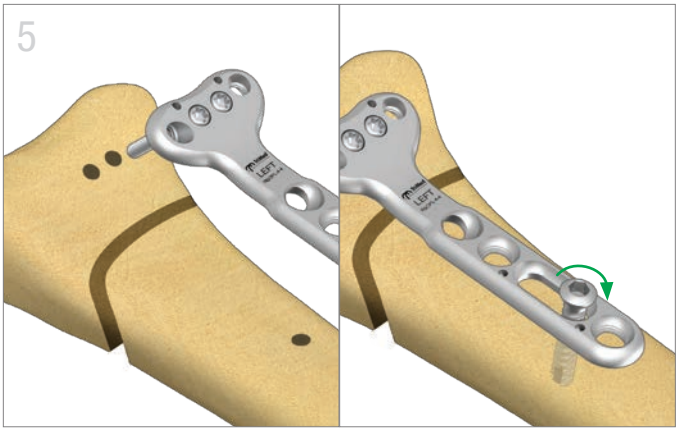
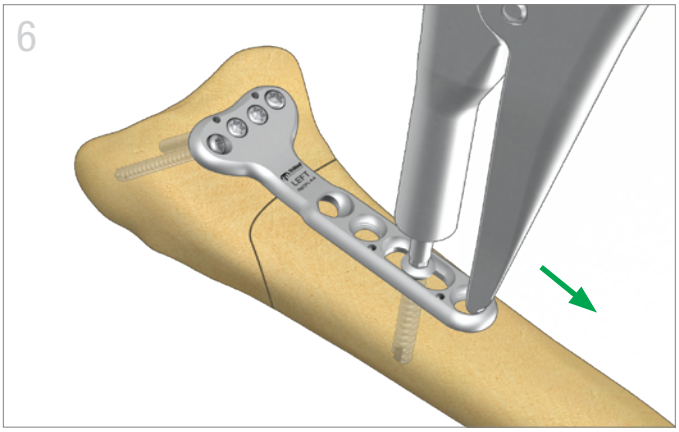


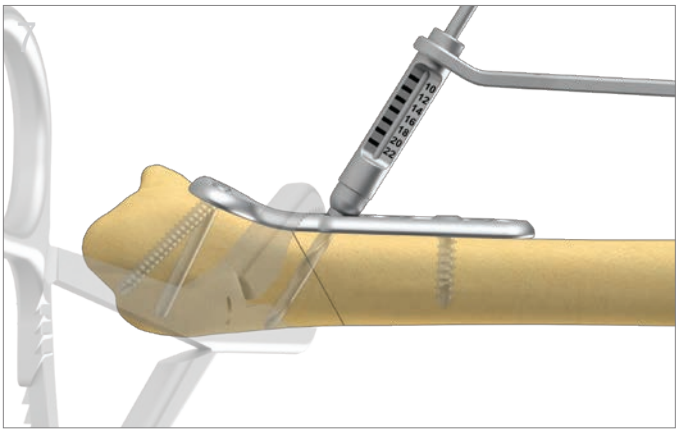
Plate Application

- Secure the two smooth pegs of appropriate length into the two center peg holes of the plate.
- Slide smooth pegs into pre-drilled distal holes to position plate.
- Reinsert the 3.2mm cortical screw in the proximal end of the slotted hole.
- Complete fixation distally using **only** threaded locking pegs.



Compression of Osteotomy

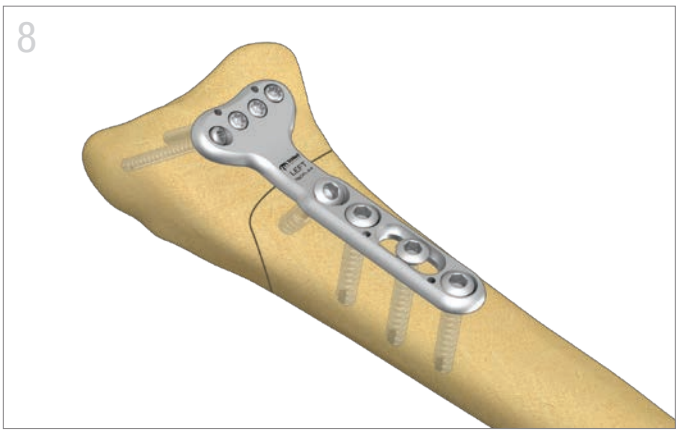
- Place the driver tip of the Expander/Compression Tool into the head of the proximal 3.2mm screw.
- Insert jaw into the adjacent proximal screw hole.
- Loosen screw head ¼ turn and gently squeeze handle to compress osteotomy. Re-tighten the screw.



Placement of Lag Screw

- Clamp osteotomy site using the bone clamp.
- Position the 2.3 (red) Quick Guide in the oblique hole. Use the 2.3mm (red) drill bit to drill for the lag screw. Measure and insert screw.

Note: Ensure thread purchase on far cortex without penetrating dorsal surface.



Final Fixation

- Complete fixation with additional screws proximally.

All implants made from surgical grade stainless steel

Screws Table

	Smooth Peg, 1.8mm	Threaded Peg, 2.3mm	Cortical Screw, 3.2mm	Cortical Locking Screw, 3.2mm	Cortical Lag Screw, 3.2mm
	SPEG1.8-XX	TPEG-XX	HEX3.2-XX	LHEX3.2-XX	LAG3.2-XX
Length	14-22mm*		08-20mm*	10-18mm*	14-24mm*
Drill	1.8mm		2.3mm		
Guide	GUIDEPEG-1.8		GUIDEQ-2.3		
Driver	Torx 8		2.5mm Hex		

* 2mm increments

Radial Osteotomy Plate™

RSOPL-4-4 *left*
RSOPR-4-4 *right*

Radial Osteotomy Guide

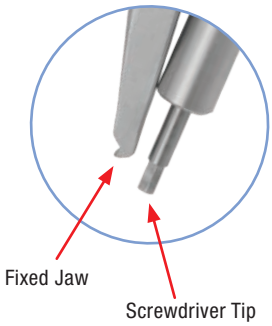
GSRSO-2 *2mm cut*
GSRSO-3 *3mm cut*

Saw Blade

OSB-9x
0.4mm thickness

Expander / Compression Tool

XPANDR
DVHX-2.5/180 AO



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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.

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For indications, contraindications, warnings and precautions related to TriMed Radial Osteotomy System reference IFU on trimedortho.com/ifu.

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