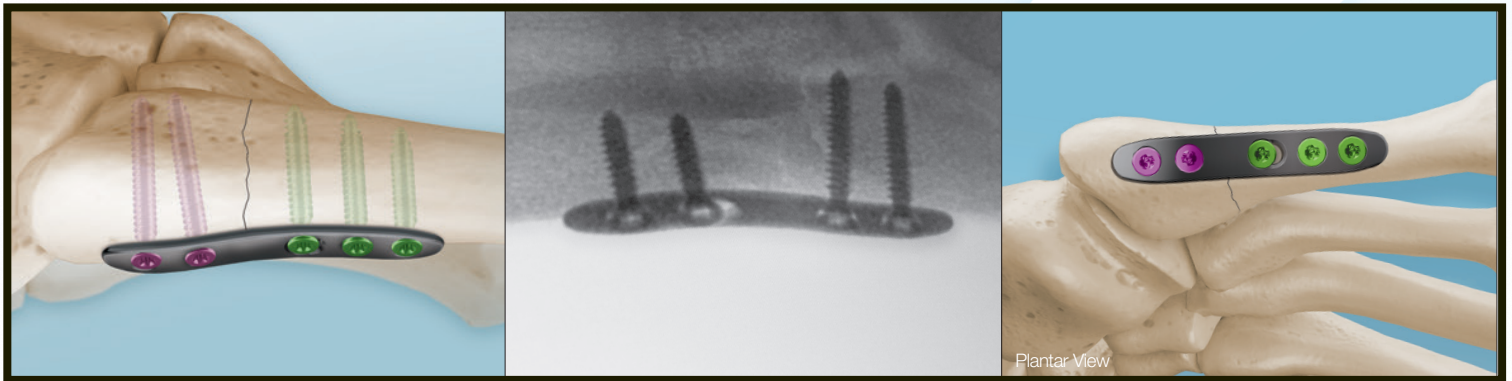


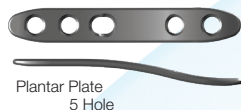
ANATOMICALLY CONTOURED 4 & 5 HOLE PLATES

5MS[®] Plantar Plates

Plantar-lateral Tension Side Plate¹



Plantar Plate
4 Hole



Plantar Plate
5 Hole



Plantar Plate
Large, 4 Hole



Plantar Plate
Large, 5 Hole

Anatomically Contoured Plantar-lateral Tension Side Plate

Designed for Improved Resistance to Torsion and Plantar Gapping

Applying a Compression Plate to the Tension Side of the Jones Fractures Can Help Facilitate Fracture Union, Improve Healing and Reduce Risk of Refracture.¹



A GLOBAL EXTREMITY COMPANY

5MS® Plantar Plates



Incision/Exposure

- Extend a plantar-lateral incision from approximately the base of the proximal 5th metatarsal tuberosity to midshaft of the 5th metatarsal. Take care not to disrupt tendon and nerve structures. The Abductor Digiti Minimi muscle is reflected in a plantar direction. Dissect to the bone to expose the fracture.

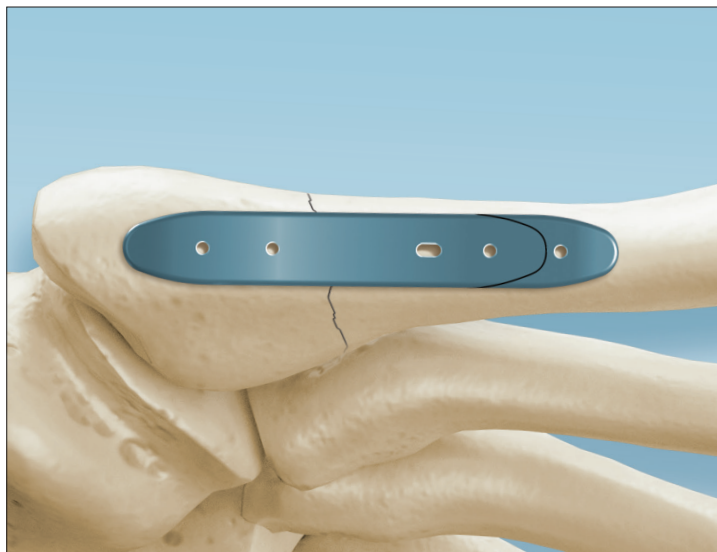
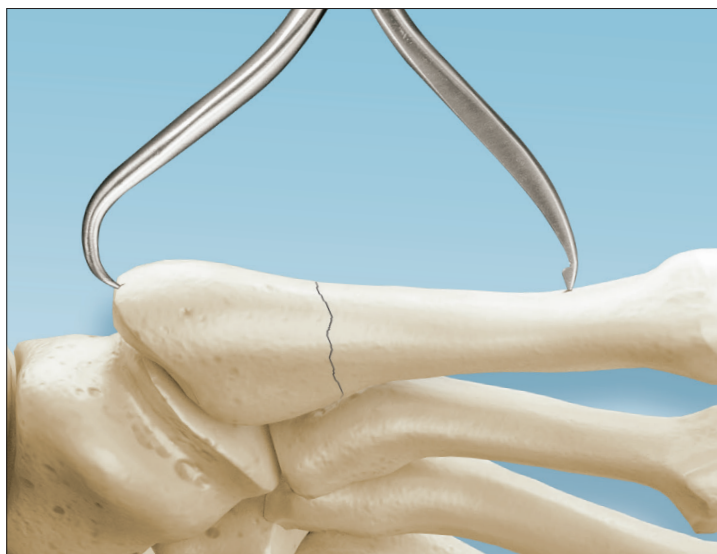


Plate and Sterile Instrument Kit Selection

- Use the Plantar Plate Trial to determine if a 4 hole or 5 hole Plantar Plate will be used. This Plate Trial has a laser mark reference for the 4 hole Plantar Plate length. The fracture should be positioned behind the solid center area of the Plate Trial.
- Determine if the regular Plantar Plate (2.4/2.7mm screws) or the large Plantar Plate (3.0/3.5mm screws) should be used.
- With appropriate plate size chosen, select the corresponding Sterile Packaged Instrument Kit for the 2.4 and 2.7mm plate screws or the 3.0 and 3.5mm plate screws.



Site Preparation

- If required, apply bone graft or demineralized bone matrix prior to compressing the fracture with the provided clamp.
- The provided 5MS Reduction Forceps can maintain alignment and compression of the fracture during provisional fixation. The barbed end should be inserted into the midshaft of the bone to the distal side of the fracture. For hard bone, use the 0.062" guide wire to puncture the lateral cortex for purchase of the barbed end of the Forceps. Spike the curved end into the proximal tuberosity and reduce the fracture.

Surgical Technique



Plate Positioning

- Select and open the chosen sterile Plantar Plate.
- Place the plate on the bone with the solid section over the fracture and the compression slot to the distal side. If additional contouring is needed, use the supplied Plate Benders to anatomically form the plate. Take care not to bend across a plate hole.
- Place an Olive Wire through the most distal hole, with a second Olive Wire through the 2nd most proximal hole

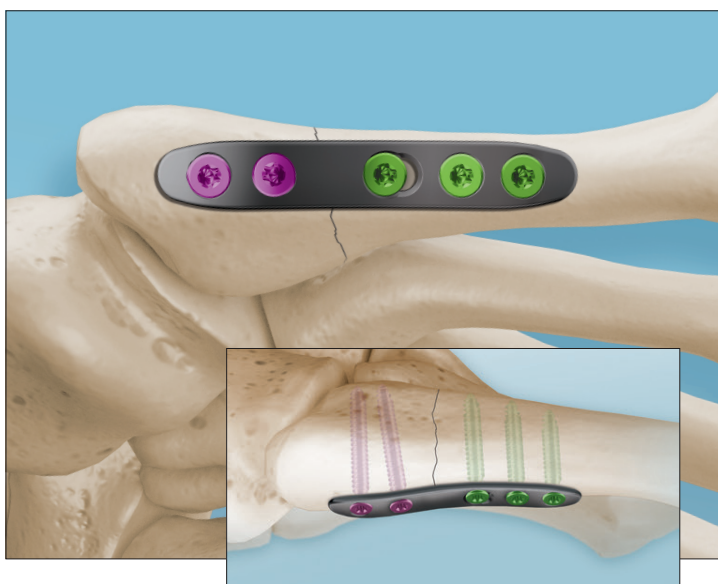


Screw Placement

- Insert the first screw into the most proximal hole (recommended non-locking to reduce the chance of plate step-off.) Using the laser marked corresponding Non-Locking Drill Guide, drill the most proximal hole aiming generally toward the 5th tarsometatarsal joint taking care to not violate the joint space.

Note: For the large Plantar Plate, use the 2.3mm drill (Green) for the 3.0mm screw and the 2.8 mm drill (Maroon) for the 3.5 mm screw. Depth markings on the drill can be used to estimate screw length against the top surface of the Drill Guide.

- Use the Depth Gauge for a more precise depth measurement. Size the screw short of the joint space.
- Load the screw onto correctly sized driver tip (T7 = 2.4/2.7, T8 = 3.0/3.5 Screws) and insert the screw through the Plate. Use fluoroscopy to ensure the screw has not violated the joint space. Remove the proximal Olive Wire.
- The second screw should be inserted into the compression slot. Using the Non-Locking Drill Guide (or optional Compression Drill Guide with arrow pointing proximal), drill concentric to the beveled side of the slot. Use Depth Gauge to measure for screw length. Start the Non-Locking Screw in the compression slot (approximately 1mm of compression) and remove the distal Olive Wire. Once the Olive Wire is removed continue to seat the screw. If no compression is desired, position Drill Guide into the counterbore and drill to desired depth.



Final Implantation

- Remove the proximal Olive Wire and any provisional fixation. Finish inserting the remaining screws, locking screws are recommended.
- Close by preferred methods.

5MS® Plantar Plates

5MS® Fracture Plates



5MS® Plantar Plates

CATALOG NO.	DESCRIPTION
P60 ST011	Plantar Plate, 5 Hole
P60 ST012	Plantar Plate, 4 Hole
P60 ST021	Plantar Plate, LRG, 5 Hole
P60 ST022	Plantar Plate, LRG, 4 Hole



5MS® Lateral Neck Plates

P60 ST031	Lateral Neck Plate, 8H, Right
P60 ST032	Lateral Neck Plate, 6H, R
P60 ST033	Lateral Neck Plate, 8H, Left
P60 ST034	Lateral Neck Plate, 6H, L



5MS® Bunionette Plates

P60 ST041	Bunionette Plate, 5 Hole, Right
P60 ST042	Bunionette Plate, 4 Hole, R/L
P60 ST043	Bunionette Plate, 5 Hole, Left



5MS® Pseudo Jones Plate


P60 ST050	Pseudo Jones Plate, Standard
P60 ST051	Pseudo Jones Plate, Long

Sterile Single Use Instrument Kit

P06 S0001	for 2.4 / 2.7mm Screws
P04 S0003	for 3.0 / 3.5mm Screws

Additional Sterile, Single Use Instruments

P06 S0021	T7 Driver Bit - Solid - AO, 2.4/2.7mm 5MS Screws
P04 S0051	T8 Driver Bit - Solid - AO, 3.0/3.5mm CoLink® Screws
P06 S0031	T15 Cannulated Driver - AO, 4.5mm Jones Screws
P06 S0041	T25 Cannulated Driver - AO, 5.5/6.0mm Jones Screws
C01 S0018	CoLink T8 Screw Extractor



Sterile Screw Tube End Color Legend

STYLE: L / NL
DIA. SIZE, LENGTH

QUICK RELEASE TAB

●	5MS 2.4mm Locking / Non-locking	CoLag Jones
●	5MS 2.7mm Locking / Non-locking	
●	5MS 3.0mm Locking / Non-locking	4.5mm
●	5MS 3.5mm Locking / Non-locking	5.5mm
●		6.0mm

5MS® Plate Screws

Color Code	Non-Locking 2.4 / 2.7mm	Locking 2.4 / 2.7mm	
	CATALOG NO. DIA x LENGTH	CATALOG NO. DIA x LENGTH	
●	P62 ST408 2.4 x 8mm	●	P64 ST408 2.4 x 8mm
●	P62 ST409 2.4 x 9mm	●	P64 ST409 2.4 x 9mm
●	P62 ST410 2.4 x 10mm	●	P64 ST410 2.4 x 10mm
●	P62 ST411 2.4 x 11mm	●	P64 ST411 2.4 x 11mm
●	P62 ST412 2.4 x 12mm	●	P64 ST412 2.4 x 12mm
●	P62 ST413 2.4 x 13mm	●	P64 ST413 2.4 x 13mm
●	P62 ST414 2.4 x 14mm	●	P64 ST414 2.4 x 14mm
●	P62 ST415 2.4 x 15mm	●	P64 ST415 2.4 x 15mm
●	P62 ST416 2.4 x 16mm	●	P64 ST416 2.4 x 16mm
●	P62 ST418 2.4 x 18mm	●	P64 ST418 2.4 x 18mm
●	P62 ST420 2.4 x 20mm	●	P64 ST420 2.4 x 20mm
●	P62 ST422 2.4 x 22mm	●	P64 ST422 2.4 x 22mm
●	P62 ST708 2.7 x 8mm	●	P64 ST708 2.7 x 8mm
●	P62 ST709 2.7 x 9mm	●	P64 ST709 2.7 x 9mm
●	P62 ST710 2.7 x 10mm	●	P64 ST710 2.7 x 10mm
●	P62 ST711 2.7 x 11mm	●	P64 ST711 2.7 x 11mm
●	P62 ST712 2.7 x 12mm	●	P64 ST712 2.7 x 12mm
●	P62 ST713 2.7 x 13mm	●	P64 ST713 2.7 x 13mm
●	P62 ST714 2.7 x 14mm	●	P64 ST714 2.7 x 14mm
●	P62 ST715 2.7 x 15mm	●	P64 ST715 2.7 x 15mm
●	P62 ST716 2.7 x 16mm	●	P64 ST716 2.7 x 16mm
●	P62 ST718 2.7 x 18mm	●	P64 ST718 2.7 x 18mm
●	P62 ST720 2.7 x 20mm	●	P64 ST720 2.7 x 20mm
●	P62 ST722 2.7 x 22mm	●	P64 ST722 2.7 x 22mm
●	P62 ST724 2.7 x 24mm	●	P64 ST724 2.7 x 24mm

Color Code	Non-Locking 3.0 / 3.5mm	Locking 3.0 / 3.5mm	
	CATALOG NO. DIA x LENGTH	CATALOG NO. DIA x LENGTH	
●	V30 ST208 3.0 x 8mm	●	V30 ST308 3.0 x 8mm
●	V30 ST210 3.0 x 10mm	●	V30 ST310 3.0 x 10mm
●	V30 ST212 3.0 x 12mm	●	V30 ST312 3.0 x 12mm
●	V30 ST214 3.0 x 14mm	●	V30 ST314 3.0 x 14mm
●	V30 ST216 3.0 x 16mm	●	V30 ST316 3.0 x 16mm
●	V30 ST218 3.0 x 18mm	●	V30 ST318 3.0 x 18mm
●	V30 ST220 3.0 x 20mm	●	V30 ST320 3.0 x 20mm
●	V30 ST222 3.0 x 22mm	●	V30 ST322 3.0 x 22mm
●	V30 ST224 3.0 x 24mm	●	V30 ST324 3.0 x 24mm
●	V35 ST208 3.5 x 8mm	●	V35 ST308 3.5 x 8mm
●	V35 ST210 3.5 x 10mm	●	V35 ST310 3.5 x 10mm
●	V35 ST212 3.5 x 12mm	●	V35 ST312 3.5 x 12mm
●	V35 ST214 3.5 x 14mm	●	V35 ST314 3.5 x 14mm
●	V35 ST216 3.5 x 16mm	●	V35 ST316 3.5 x 16mm
●	V35 ST218 3.5 x 18mm	●	V35 ST318 3.5 x 18mm
●	V35 ST220 3.5 x 20mm	●	V35 ST320 3.5 x 20mm
●	V35 ST222 3.5 x 22mm	●	V35 ST322 3.5 x 22mm
●	V35 ST224 3.5 x 24mm	●	V35 ST324 3.5 x 24mm

5MS® CoLag® Jones Fracture Screws

Color Code	4.5mm	5.5mm	6.0mm
	CATALOG NO. DIA x LENGTH	CATALOG NO. DIA x LENGTH	CATALOG NO. DIA x LENGTH
●	P60 ST440 .. 4.5 x 40.0mm	●	P60 ST540 .. 5.5 x 40.0mm
●	P60 ST442 .. 4.5 x 42.5mm	●	P60 ST542 .. 5.5 x 42.5mm
●	P60 ST445 .. 4.5 x 45.0mm	●	P60 ST545 .. 5.5 x 45.0mm
●	P60 ST447 .. 4.5 x 47.5mm	●	P60 ST547 .. 5.5 x 47.5mm
●	P60 ST450 .. 4.5 x 50.0mm	●	P60 ST550 .. 5.5 x 50.0mm
●	P60 ST452 .. 4.5 x 52.5mm	●	P60 ST552 .. 5.5 x 52.5mm
●	P60 ST455 .. 4.5 x 55.0mm	●	P60 ST555 .. 5.5 x 55.0mm
●	P60 ST457 .. 4.5 x 57.5mm	●	P60 ST557 .. 5.5 x 57.5mm
●	P60 ST460 .. 4.5 x 60.0mm	●	P60 ST560 .. 5.5 x 60.0mm
●	P60 ST465 .. 4.5 x 65.0mm	●	P60 ST565 .. 5.5 x 65.0mm
●	P60 ST470 .. 4.5 x 70.0mm	●	P60 ST570 .. 5.5 x 70.0mm
●		●	P60 ST640 ... 6.0 x 40.0mm
●		●	P60 ST642 ... 6.0 x 42.5mm
●		●	P60 ST645 ... 6.0 x 45.0mm
●		●	P60 ST647 ... 6.0 x 47.5mm
●		●	P60 ST650 ... 6.0 x 50.0mm
●		●	P60 ST652 ... 6.0 x 52.5mm
●		●	P60 ST655 ... 6.0 x 55.0mm
●		●	P60 ST657 ... 6.0 x 57.5mm
●		●	P60 ST660 ... 6.0 x 60.0mm
●		●	P60 ST665 ... 6.0 x 65.0mm
●		●	P60 ST670 ... 6.0 x 70.0mm

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CAUTION: Federal law (USA) restricts this device to sale and use by, or on the order of a physician.

On the cover: 1. Kevin E. Varner, Joshua D. Harris. The Proximal Fifth Metatarsal Metadiaphyseal Jones Fracture: Intramedullary Screw vs Plantar Plate. Operative Techniques in Sports Medicine, 2017; 25(2): 59-66