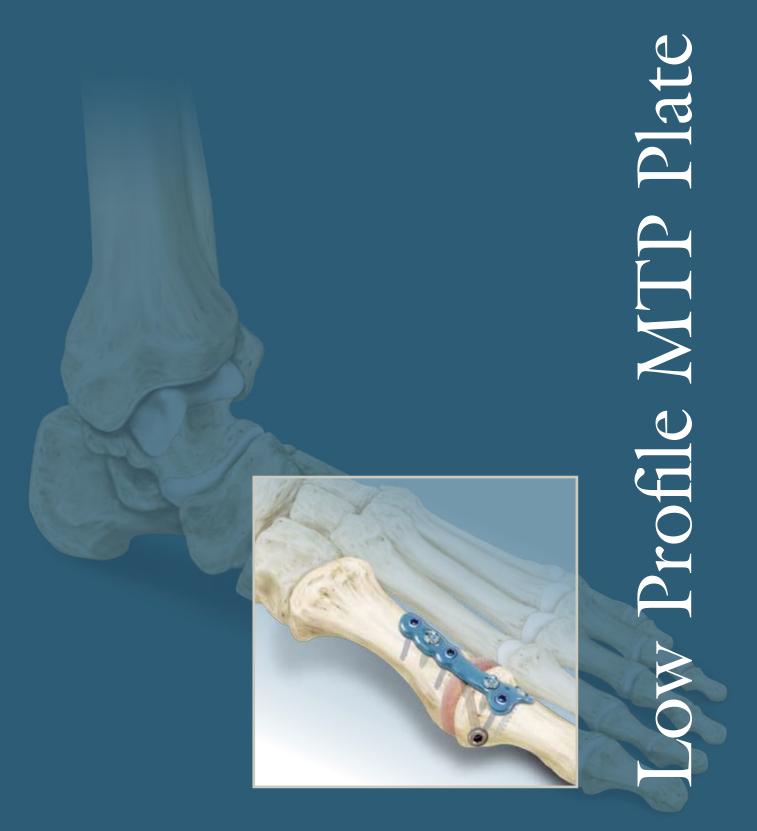


Low Profile MTP Plate Surgical Technique



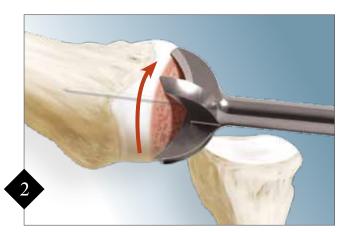


Low Profile MTP Fixation

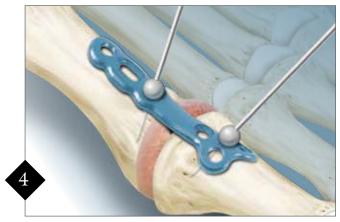
More than a plate, this is a complete system for joint preparation and fixation in the treatment of severe hallux rigidus and other MTP pathologies. Whether used in primary or revision cases, this system enables surgeons to reduce, compress and lock the 1st metatarsal phalangeal joint in the ideal position for arthrodesis.

Advantages:

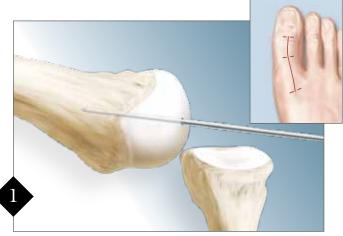
- Anatomic Plate Design 1.5 mm titanium plate anatomically designed with 8° of dorsiflexion and 5° of valgus
- Concave/Convex Reamers facilitate quick and accurate joint preparation
- 3 mm QuickFix[™] or FT Screws enhanced ease of use in reducing the plate-to-bone with "snap-off" screws or traditional fully threaded screws
- 3 mm Cannulated Screw as crossed screws or in conjunction with the plate, these lag screws provide excellent compression with a low profile head
- *3 mm Locking Screws* create greater stability in varying bone quality
- NEW Straight MTP Plates only 1.3 mm thick and can be contoured to the desired angle



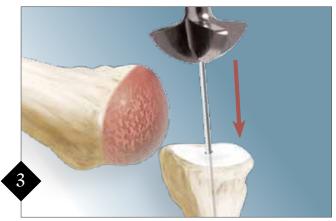
Metatarsal Reaming – Using a power saw, resect the bone and shape the metatarsal head to prepare for reaming. Elevate the metatarsal head and plantarflex the proximal phalanx. Place the concave shaped Metatarsal Reamer over the Guide Wire and gently ream the metatarsal head. Start spinning the reamer before touching the bone.



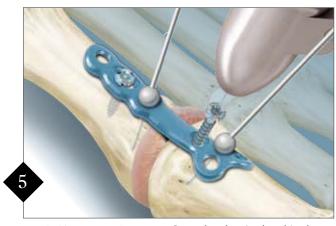
Preliminary Plate Placement – The plate can be temporarily fixed with the BB-Taks included in the set. The plate is precontoured at 8° dorsiflexion and 5° valgus. There is no need for substantial bending. If additional bending is needed, use the Bending Iron in the set to achieve the desired plate contour.



Preparation – For optimal exposure of the MTP joint, a dorsal longitudinal incision is recommended. The incision should begin just proximal to the interphalangeal joint, extending over the extensor hallucis longus tendon medially, and ending 2 – 3 cm proximal to the joint. Incise and release the joint capsule, exposing the base of the proximal phalanx and metatarsal head. Insert 1.6 mm Guide Wire in the central aspect of the metatarsal.



Phalangeal Reaming – Insert the 1.6 mm Guide Wire in the central aspect of the proximal phalanx. Using the Cannulated AO Adapter, place the convex shaped Phalangeal Reamer over the Guide Wire and gently ream the articular surface until healthy, bleeding bone is present. The reamer sizes should be consistent for both the metatarsal and phalanx to create a congruent cup-shaped surface.



Nonlocking Screw Placement – Once the plate is placed in the ideal position, secure the plate to the bone by inserting the 3 mm "snap-off" QuickFix Screws in a distal and a proximal nonlocking hole. The third nonlocking screw will be added once the level of compression is identified during the interfragmentary screw fixation. Alternatively: Measure and place nonlocking, fully threaded screws.



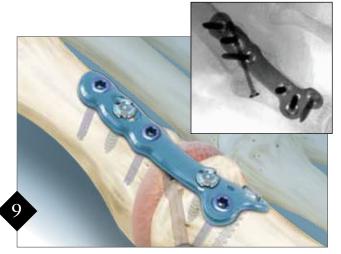
Interfragmentary Screw – In an oblique fashion, insert the interfragmentary 1.1 mm Guide Wire across the construct. Proceed by drilling over the Guide Wire with the 2 mm cannulated drill. The interfragmentary screw can be inserted prior to plate placement if the surgeon prefers.



Secure Plate-to-Bone – Insert the partially threaded 3 mm Cannulated Screw. Once the level of compression is identified, secure all three nonlocking holes by tightening with the 3 mm Driver Shaft (for QuickFix).

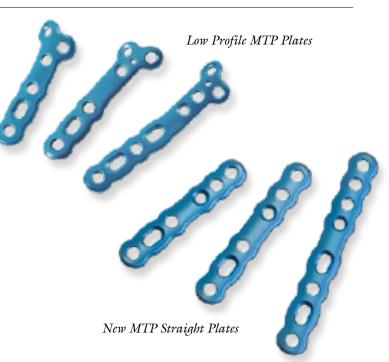


Locking Screw – Insert the Drill/Depth Guide (AR-8944GL) for the 3 mm locking screws. Once the appropriate depth of the locking holes is determined, advance the screws until the screw head is flush with the plate.



Fixation Complete – Post-op: Patients are instructed to protect the fusion with a postoperative shoe and apply weight-bearing, only on the heel, for six weeks. If they are unable to comply with this protocol, they need to be nonweight-bearing for six weeks. Patients are progressed to full weight-bearing after six weeks if radiographs demonstrate a solid fusion.





Ordering Information

Oracring Injormation	
Forefoot Fusion Module Implants:	
Low Profile MTP Plate, contoured, standard, left	AR-8944CL-S
Low Profile MTP Plate, contoured, standard, right	AR-8944CR-S
Low Profile MTP Plate, contoured, long, left	AR-8944CL-L
Low Profile MTP Plate, contoured, long, right	AR-8944CR-L
Low Profile MTP Plate, contoured, short, left	AR-8944CL-P
Low Profile MTP Plate, contoured, short, right	AR-8944CR-P
Low Profile MTP plate, straight, standard	AR-8944-S
Low Profile MTP plate, straight, long	AR-8944-L
Low Profile MTP plate, straight, short	AR-8944-P
QuickFix Screw, yellow, 3 mm x 13 mm	AR-8931-13
QuickFix Screw, light blue, 3 mm x 15 mm	AR-8931-15
QuickFix Screw, aqua, 3 mm x 17 mm	AR-8931-17
QuickFix Screw, bronze, 3 mm x 19 mm	AR-8931-19
Low Profile FT Screws, cortical,	
3 mm x 10 mm – 24 mm	AR-8933-10 – 24
Low Profile Screws, cortical, locking,	
3 mm x 10 mm – 24 mm	AR-8933L-10 – 24
Cannulated Screws, 3 mm x 18 mm – 40 mm	AR-8933-18PT – 40PT
E C . E ' M 11 I (AD 90446T)	
Forefoot Fusion Module Instrument Set (AR-8944ST)	
Hohmann Retractor, 8 mm	AR-13210
McGlamry Elevator, 13 mm	AR-8944M
Metatarsal Reamers, 14 mm – 22 mm	AR-8944MR-14 – 22
Phalangeal Reamers, 14 mm – 22 mm	AR-8944PR-14 – 22
Circular Reamers, 16 mm – 22 mm	AR-8944MC-16 – 22
Bending Iron, qty. 2	AR-8941BI
Bending Pliers	AR-8941BP
Driver Handle, cannulated, AO	AR-13221AOC
Cannulated AO Adapter	AR-4160AOC
BB-Tak, qty. 2	AR-13226
Forefoot Fusion Module Instrument Case	AR-8944C
Plate Caddy Insert	AR-8944C-PCI
Instruments used for QuickFix Screws (included in A	.R-8944ST):
Cutting Sleeve, 3 mm	AR-8931R
Screw Driver Shaft, 3 mm	AR-8931D
Depth Guide, qty. 1/set	AR-8930G
T	D 0044077
Instruments used for 3 mm FT Screws (included in A	
Drill Bit, AO, 2 mm, qty. 2/set	AR-8944-22
Driver, T10 Hexalobe, qty. 1/set	AR-8944DH
Depth Guide, qty. 1/set	AR-8930G
T	' A.B. 00.4467E)
Instruments used for 3 mm Locking Screws (included	
Drill Bit, AO, 2 mm, qty. 2/set	AR-8944-22
Drill/Depth Guide, 3 mm locking	AR-8944GL
Driver, T10 Hexalobe, qty. 1/set	AR-8944DH
Instruments and for 2 mm DT Communicated Samuel	in also ded in AB 9044ST).
Instruments used for 3 mm PT Cannulated Screws (i	
Drill Bit, cannulated, AO, 2 mm	AR-8933-20C
Drill Bit, cannulated, AO, 3 mm	AR-8933-30C
Drill Guide, 1.1 mm/2 mm	AR-8933G
Countersink, cannulated, 3 mm	AR-8737-24
Cannulated Depth Device (3/4.5 mm screws)	AR-8944DG
Driver, cannulated, AO, 2.5 mm Hex, qty. 2	AR-8933D
Screw Holding Forceps	AR-8941F
Disposables (necessary for procedure, sold separately):	
Guide Wire w/Trocar Tip, .062" (1.6 mm)	AR-8941K
Guide Wire w/Trocar Tip, .045" (1.1 mm)	AR-8933K*
Guide Wire w/Double Trocar Tip, .045" (1.1 mm)	AR-8933KD
BB-Tak, threaded	AR-13226T
Accessories:	
Screw Caddy	AR-8944C-SC
Reamer Caddy	AR-8944C-RC
Plate Caddy	AR-8944C-PC

This description of technique is provided as an educational tool and clinical aid to assist properly licensed medical professionals in the usage of specific Arthrex products. As part of this professional usage, the medical professional must use their professional judgment in making any final determinations in product usage and technique.

In doing so, the medical professional should rely on their own training and experience and should conduct a thorough review of pertinent medical literature and the product's Directions For Use.

*accompanies 3 mm PT Cannulated Screw Instruments

