

DARCO[®] MFS[™]

Locked plating system for
reconstructive forefoot surgery.



WRIGHT.

DARCO® MFS™

Locked plating system for reconstructive forefoot surgery



System Basics

The DARCO® MFS™ plating system for the forefoot has been designed in close collaboration with internationally renowned surgeons to address the specific needs of reconstructive foot and ankle surgery. After many years of iterative research and development, the resulting product is highly refined for treatment of challenging forefoot disorders.

All implants are manufactured to exacting standards from Titanium Alloy in our German facility. The system has been designed to take advantage of the many benefits of fixed-angle locked screw fixation.

Implant Design

All plates in the system are rhombic (parallelogram) in form, with converging pairs of 2.7mm screw holes. **(Figure 1)** Every screw hole in every plate may receive either a locked or a non-locked screw, at the surgeon's discretion. The holes are aligned to provide optimal screw purchase through screw convergence. The individual plate geometries vary to suit specific surgical indications.

Locked plating fixation is enabled through a rigid mechanical connection between screw and plate. In this system, the head of the screw has an external thread that matches the internal thread in the plate holes.

The following guidelines should be followed with locked plating systems:

- The plates may be contoured to better fit anatomy. All contouring should be performed with the Locking Drill Guides threaded into the appropriate screw holes to prevent deformation of the holes. Plates should be bent in one direction only; do not "unbend" after initial contouring.
- Ensure that joint surfaces are properly debrided prior to application of the implants.
- Joints and osteotomies should be properly reduced and compressed prior to application of a locking plate. In particularly demanding applications, placement of an interfragmentary compression screw should be considered prior to placement of the locking plate.
- Locked screws are useful in a number of situations. Generally, they provide better fixation in soft bone and stiffen the overall fusion construct between plate and bone.
- Locked screws have a pre-defined trajectory. Locking drill guides should always be used to pre-drill locked screws to ensure that the screws mate properly with the plate.
- Care must be taken with plate positioning so that locked screws are not directed into adjacent functioning joints or other hardware. In this case, non-locked screws may be used to redirect around the offending joint or hardware.
- Locked screws maintain the relative positions of plate and bone; they cannot be used to "lag" the plate to the bone. If the plate must be brought into close apposition with underlying bone, a non-locked screw should be used.

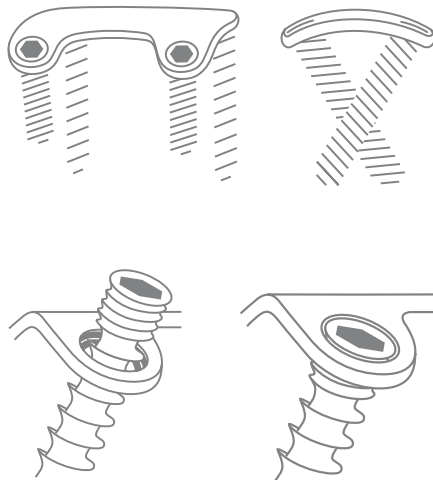


Figure 1

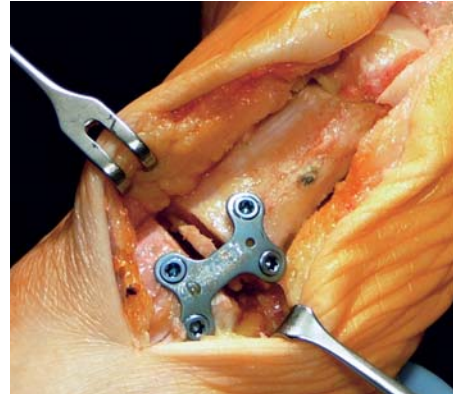
BOW™

Opening wedge osteotomy plate for bunion correction



- Stable locked plate
- Low-profile design
- Integral spacer

Varying spacer widths allow correction of the intermetatarsal angle in 1mm increments. The plate with no spacer may be used for stable fixation of proximal crescentric or chevron osteotomies.



no spacer



3mm spacer



4mm spacer



5mm spacer



6mm spacer



7mm spacer

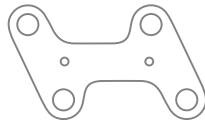
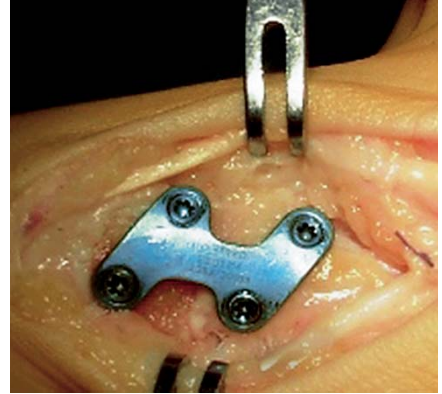
UPS™ 2.7

General purpose plating for a variety of forefoot and midfoot procedures

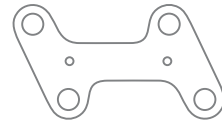


- Rigid, versatile system
- 4 lengths: 18, 20, 22 and 24mm

Slightly more rigid than the BOW™ plates.
Useful for metatarsal base osteotomies and Lisfranc fusions.



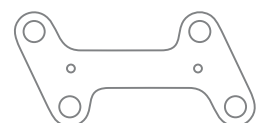
18mm



20mm



22mm



24mm

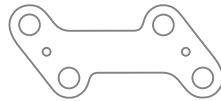
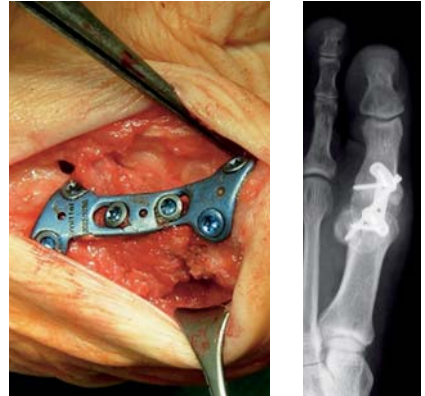
MPJ™

Stable plating for fixation of 1st metatarsal/phalangeal joint fusions



- Built in 10 degree valgus angle
- Universal design fits both right and left feet
- 3 sizes: S, M and L

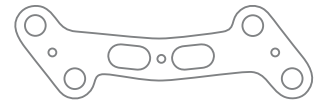
The MPJ™ plates are designed for anatomic fixation of the 1st metatarsal/phalangeal joint.



S: 28mm, 4 holes



M: 35mm, 4 holes,
2 compression slots



L: 45mm, 4 holes,
2 compression slots

Ordering Information

Kit List

Part No.	Description	Quantity
DMFS-KITA	Implant Kit	
DMFS-KIT1	Instrument Kit	
Locked Screws		
DC 2825-008	08mm x 2.7mm	5
DC 2825-010	10mm x 2.7mm	5
DC 2825-012	12mm x 2.7mm	5
DC 2825-014	14mm x 2.7mm	5
DC 2825-016	16mm x 2.7mm	5
DC 2825-018	18mm x 2.7mm	5
DC 2825-020	20mm x 2.7mm	5
DC 2825-022	22mm x 2.7mm	5
DC 2825-024	24mm x 2.7mm	5
DC 2825-026	26mm x 2.7mm	5
DC 2825-028	28mm x 2.7mm	5
DC 2825-030	30mm x 2.7mm	5
Non-Locked Screws		
DC 2825-108	08mm x 2.7mm	2
DC 2825-110	10mm x 2.7mm	2
DC 2825-112	12mm x 2.7mm	2
DC 2825-114	14mm x 2.7mm	2
DC 2825-116	16mm x 2.7mm	2
DC 2825-118	18mm x 2.7mm	2
DC 2825-120	20mm x 2.7mm	2
DC 2825-122	22mm x 2.7mm	2
DC 2825-124	24mm x 2.7mm	2
DC 2825-126	26mm x 2.7mm	2
DC 2825-128	28mm x 2.7mm	2
DC 2825-130	30mm x 2.7mm	2
Instruments and accessories		
DC 27 Box	System tray assembly	1
DC 4125	Bending forceps	1
DC 4157	Bending iron	1
DC 4169	Drill guide	2
DC 4197	Forceps	1
DC 4263-1	Depth gauge	1
DC 4268	Screwdriver tx-lock	1
DC 5106	2.0 x 120mm drill bit	2
NO 2228-012	K-wire, single-trocar 140 x 1.1mm	6

Part No.	Description	Placement in Trays
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BOW™ Opening Wedge Plate for Bunions

DC 2832-000	0mm no spacer	0	3	4
DC 2832-003	3mm spacer			
DC 2832-004	4mm spacer			
DC 2832-005	5mm spacer	5	6	7
DC 2832-006	6mm spacer			
DC 2832-007	7mm spacer			

UPS™ 2.7 General Purpose Plating System

DC 2801-118	18mm	18	20	22
DC 2801-120	20mm			
DC 2801-122	22mm			24
DC 2801-124	24mm			

MPJ™ Fusion Plate

DC 2805-013	S: 28mm, 4 holes, 2 compression slots			
DC 2805-015	M: 35mm, 6 holes 2 compression slots	S		
DC 2805-115	L: 45mm, 6 holes 2 compression slots	M	L	



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