
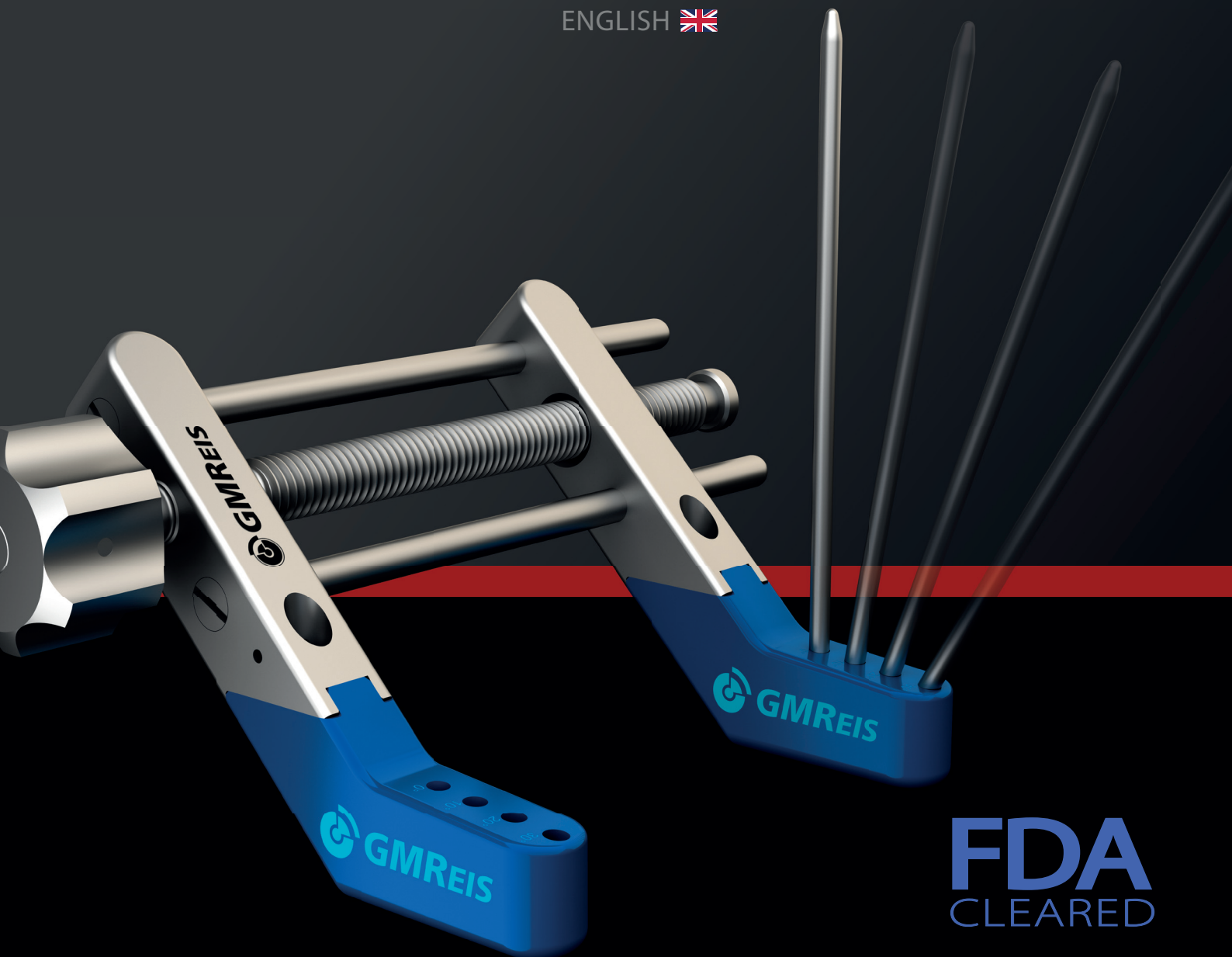


# MIRO

MINIMALLY INVASIVE ROTATION OSTEOTOMY

ENGLISH 



**FDA**  
CLEARED



**GMREIS**

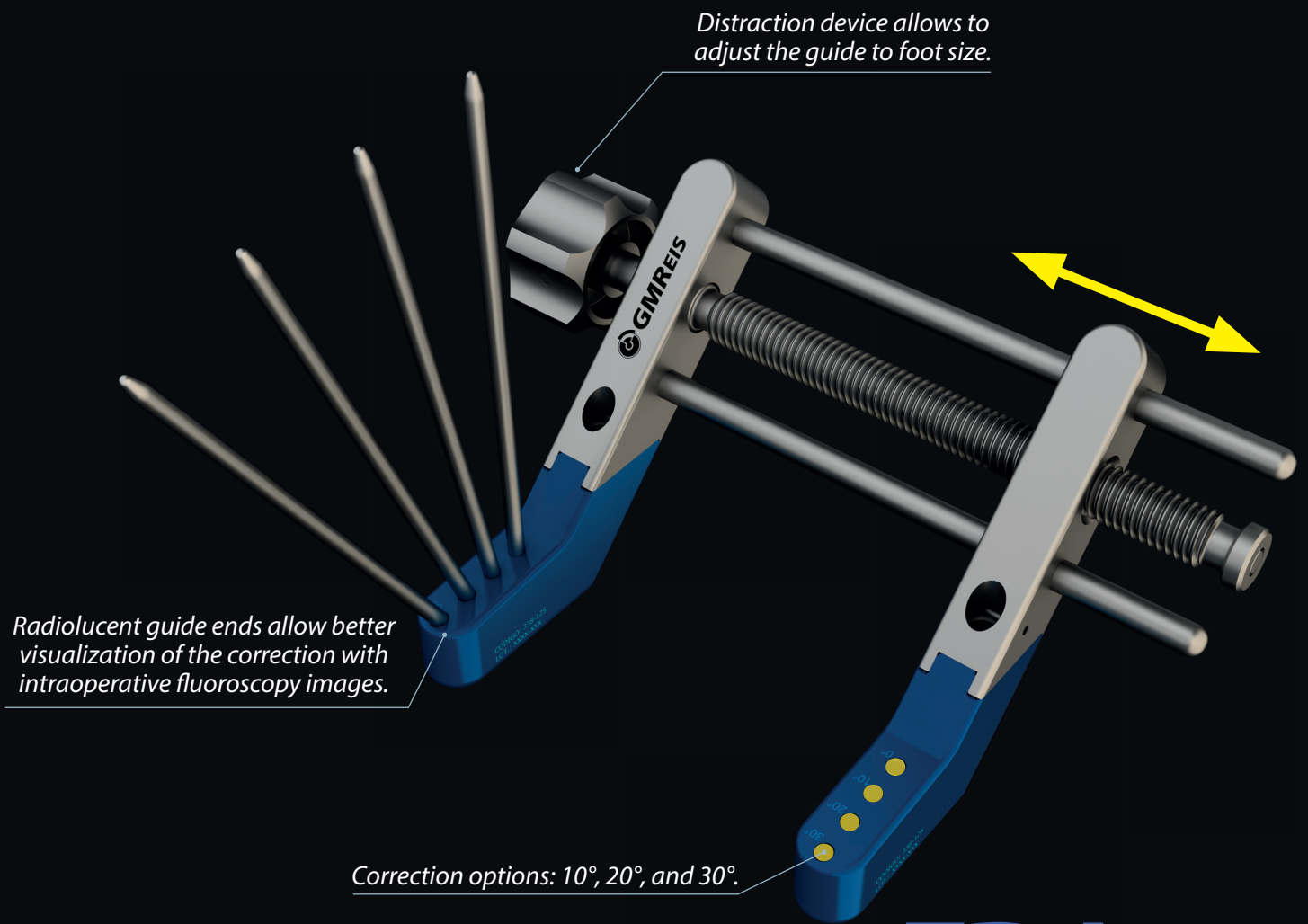
Qualidade para Vida

Calidad para Vida Quality for Life الجودة للحياة

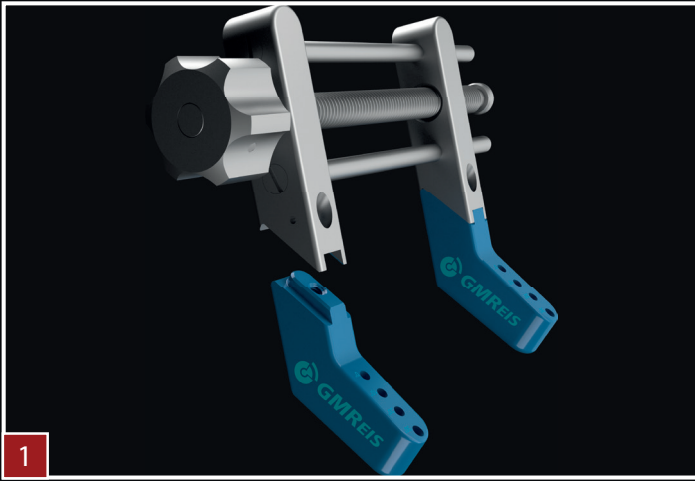
2022

# MIRO

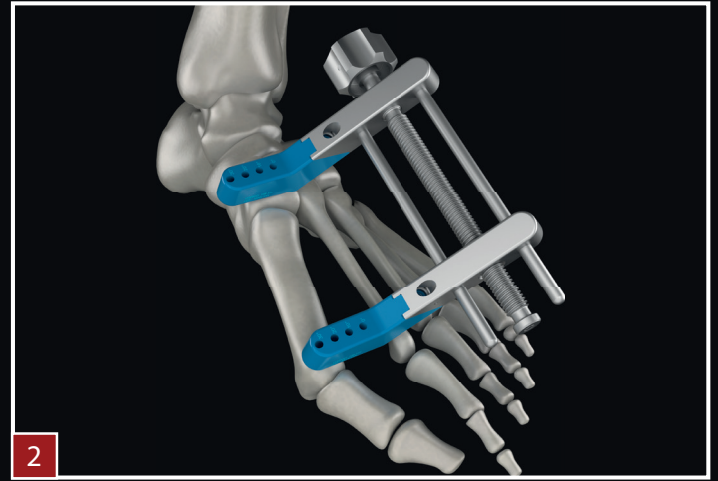
MIRO - Minimally Invasive Rotation Osteotomy was developed to allow the surgeon to accurately correct hallux pronation by improving metatarsal head rotation during the percutaneous osteotomy procedure for hallux valgus correction.



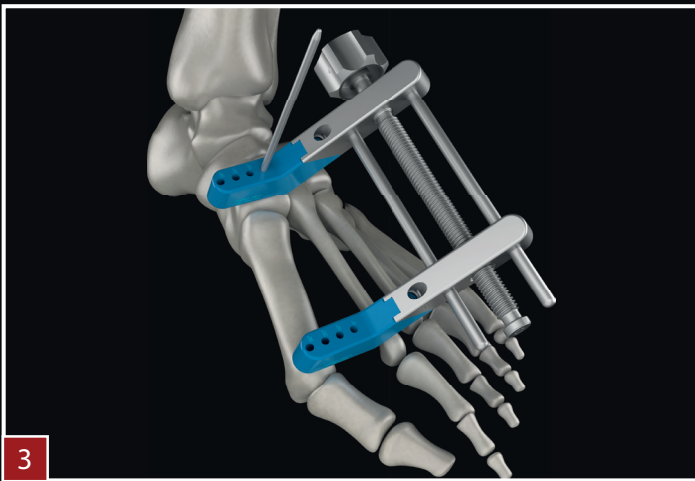
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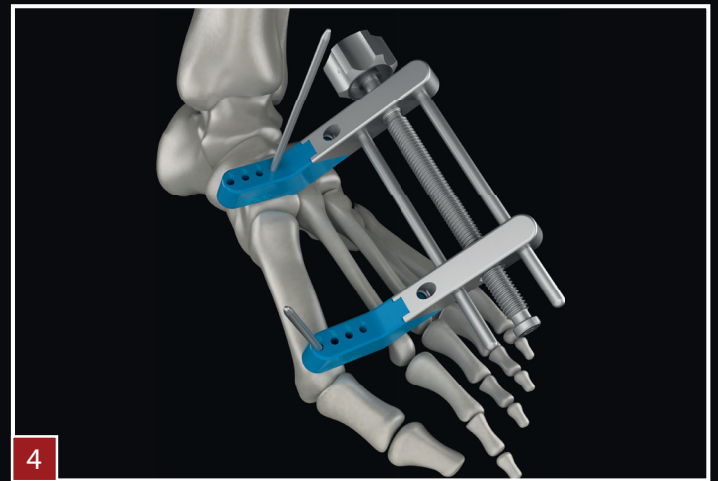
1 Assemble the MIRO Tips (C: 348-110A) on the ends of the MIRO Guide, (C: 348-100) fixing them with the connection screw (C: 338-126).



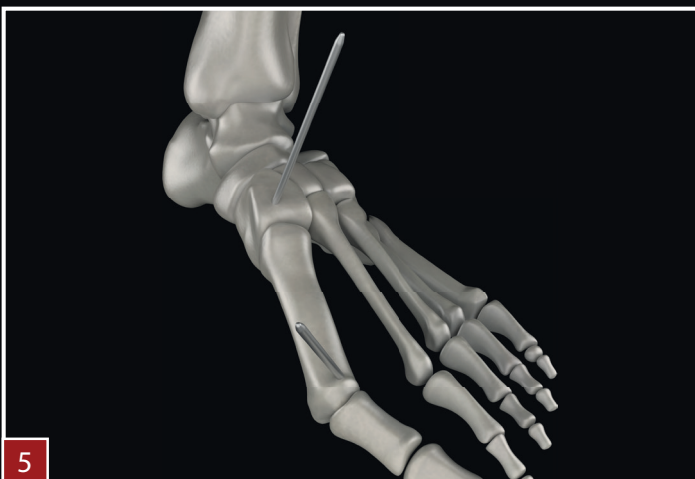
2 Use the MIRO Guide Distraction Device to adjust the length to the size of the treated foot, placing one end centered in relation to the medial cuneiform and the other in the center of the head of the first metatarsal.



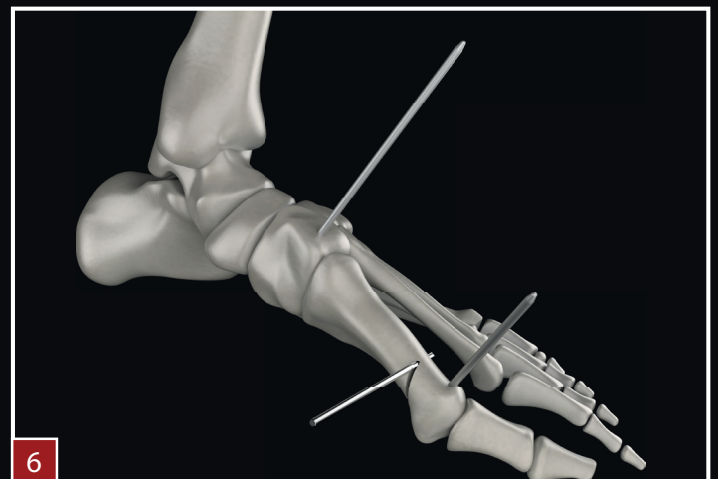
3 Position the guide on the dorsal surface of the foot and apply the first Guide Wire Ø2.0 mm (C: 338-118S) in the medial cuneiform, using the MIRO guide hole identified with 0°.



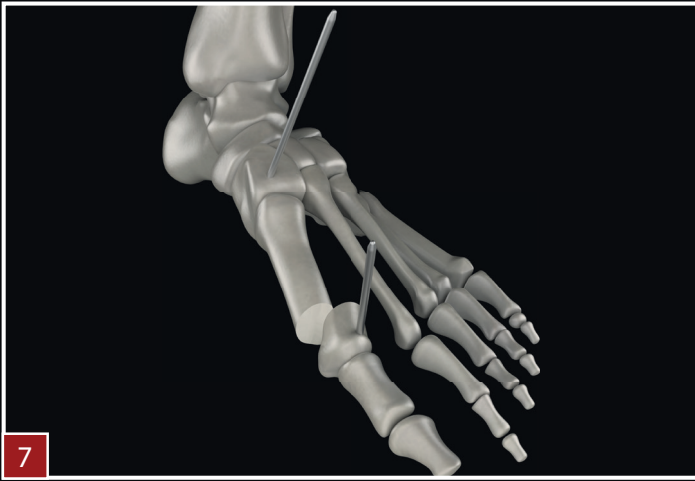
4 Apply the second Guide Wire Ø2.0 mm on the metatarsal head, using the appropriate hole for the degree of rotation to be corrected: 10°, 20° or 30°.



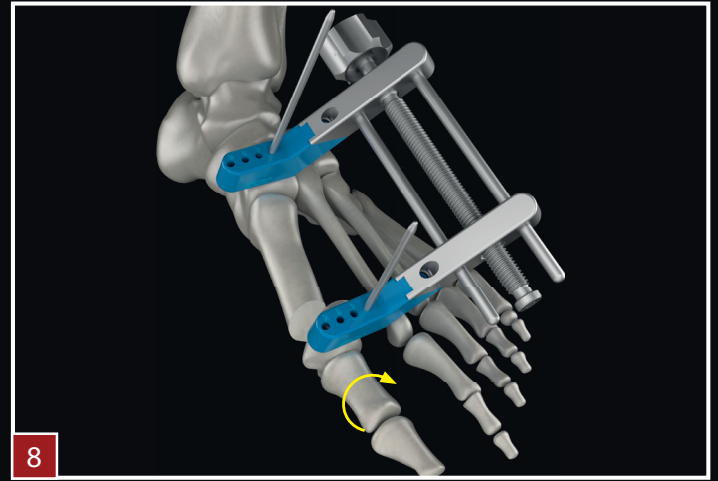
5 Remove the MIRO guide, leaving only the Ø2.0 mm Guide Wire that will serve as a reference for the rotation correction.



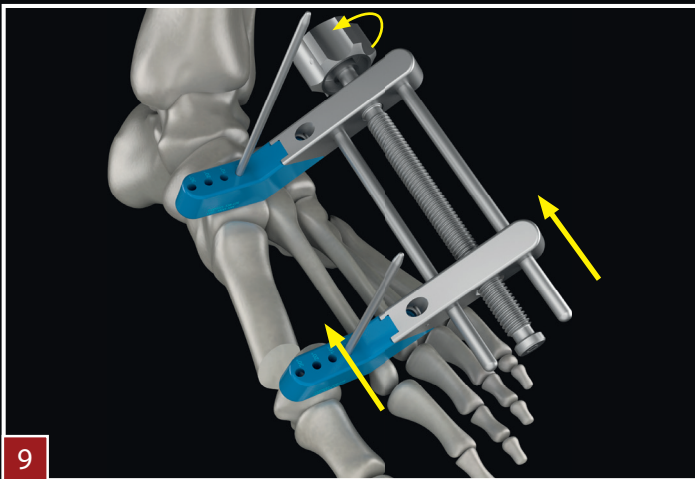
6 Perform the percutaneous osteotomy using the Shannon Straight Long MIS Burrs Ø2.0 x 20.0 mm. (C: 317-28).



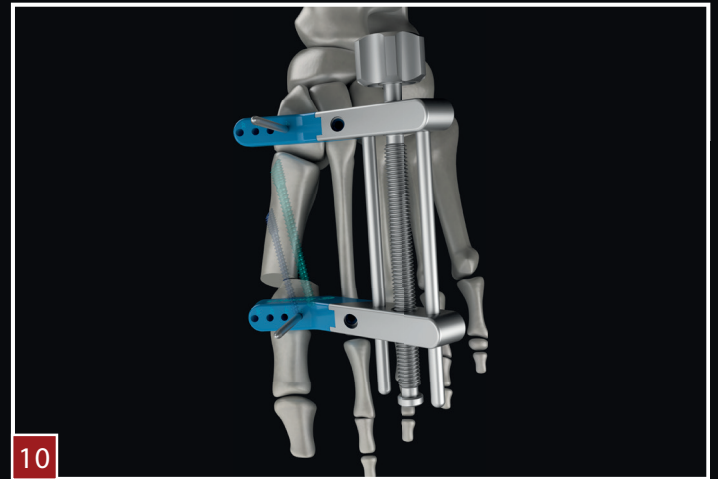
Perform the translation of the metatarsal head to the side, correcting hallux valgus.



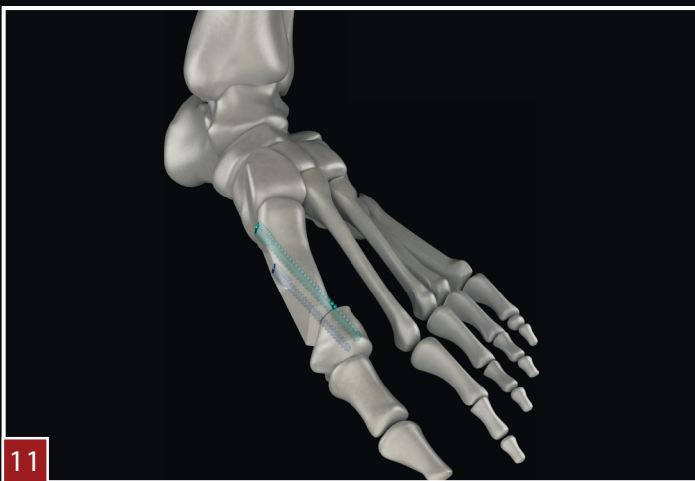
Rotate the metatarsal head using the distal Guide Wire, until it finds the same plane as the proximal Guide Wire, and reassemble them in the MIRO Distractor using the 0° positions of both MIRO Tips.



If there is contact between the cortical bones of the proximal fragment and the distal fragment, it is possible to use the distraction device of the MIRO guide to perform compression between the fragments, stabilizing the osteotomy to facilitate fixation.



Perform the fixation by applying two Ø4.0 and 3.0 mm Cutscrew, following the forward technique: application of a guide wire, drilling using the drill and the countersink, application of the screw until its head is fully implanted in the bone.



Remove the MIRO guide and the Ø2.0 mm Guide Wires, and use a MIS Wedge Burrs (C:317-03/317-04) to smooth the medial tip of the proximal fragment.





CODE	DESCRIPTION
1 348-100	MIRO Distractor
2 338-126	Hexagonal wrench L 2.0 mm
3 348-cx-1000	MIRO Box



CODE	DESCRIPTION
338-700	Disposable kit for Miro procedure

CODE	DESCRIPTION	QUANT.
348-110	MIRO TIP	2
338-118S	Guide Wire Ø2.0x 150,0 mm	4



**HEADQUARTER | GMREIS**

Pierre Simon de Laplace, 600 - Lote 3 Quadra F - Techno Park  
ZIP CODE: 13069-320 | Campinas / SP - Brazil | Phone .: +55 (19) 3765 9900  
marketingdigital@gmreis.com.br

 GMReisBrasil

[www.gmreis.com.br](http://www.gmreis.com.br)