intrauma®

EN

PHF & PGR
Proximal humerus.

O'nil
The internal fixator

Intrauma Proximal Humerus Catalog

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O'nil
The internal fixator

Proximal Humerus.

The O'Nil plate for proximal humerus is an optimal solution for the treatment of fractures of humeral head.

In the proximal part of the plate, **the screws can be locked at different angles, providing maximum stability to the humeral head,** ensuring excellent grip in the osteoporotic bone and in multi fragmentary fractures.

Made of AISI 316 LVM - ISO 5832-1 steel to allow MR imaging, the **low profile and the particular design reduce the risk of impingement.**

The absence of pressure on the bone and the limited invasiveness help to preserve the proper vascularization of the periosteum; the biomechanical qualities of the implant permit early rehabilitation, by decreasing healing times.

Benefits and advantages

- Patented screw-plate locking system allows a simple operative technique and eliminates the risk of cross threading between the screw head and the plate.
- Available in various lengths, right and left versions.
- The locking system allows a bicortical fixation.
- Low profile and pre-shaped plate.
- Simple instruments for reduced surgery times.

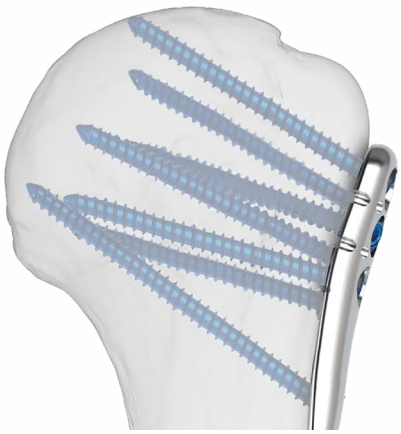
Indications

- Proximal humerus fractures, including fractures with osteoporotic and multi fragmentary bone.
- Pseudoarthrosis in proximal humerus.
- Osteotomies in proximal humerus.

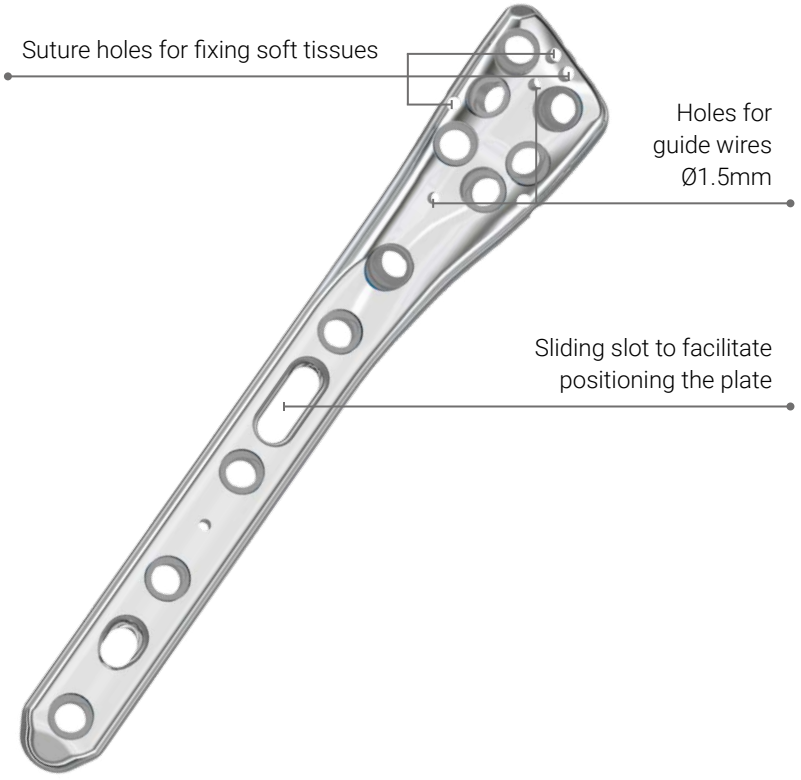
/ PHF Proximal Humerus

Reverse-engineered anatomical design.

Screws with set angular stability to grant maximum coverage



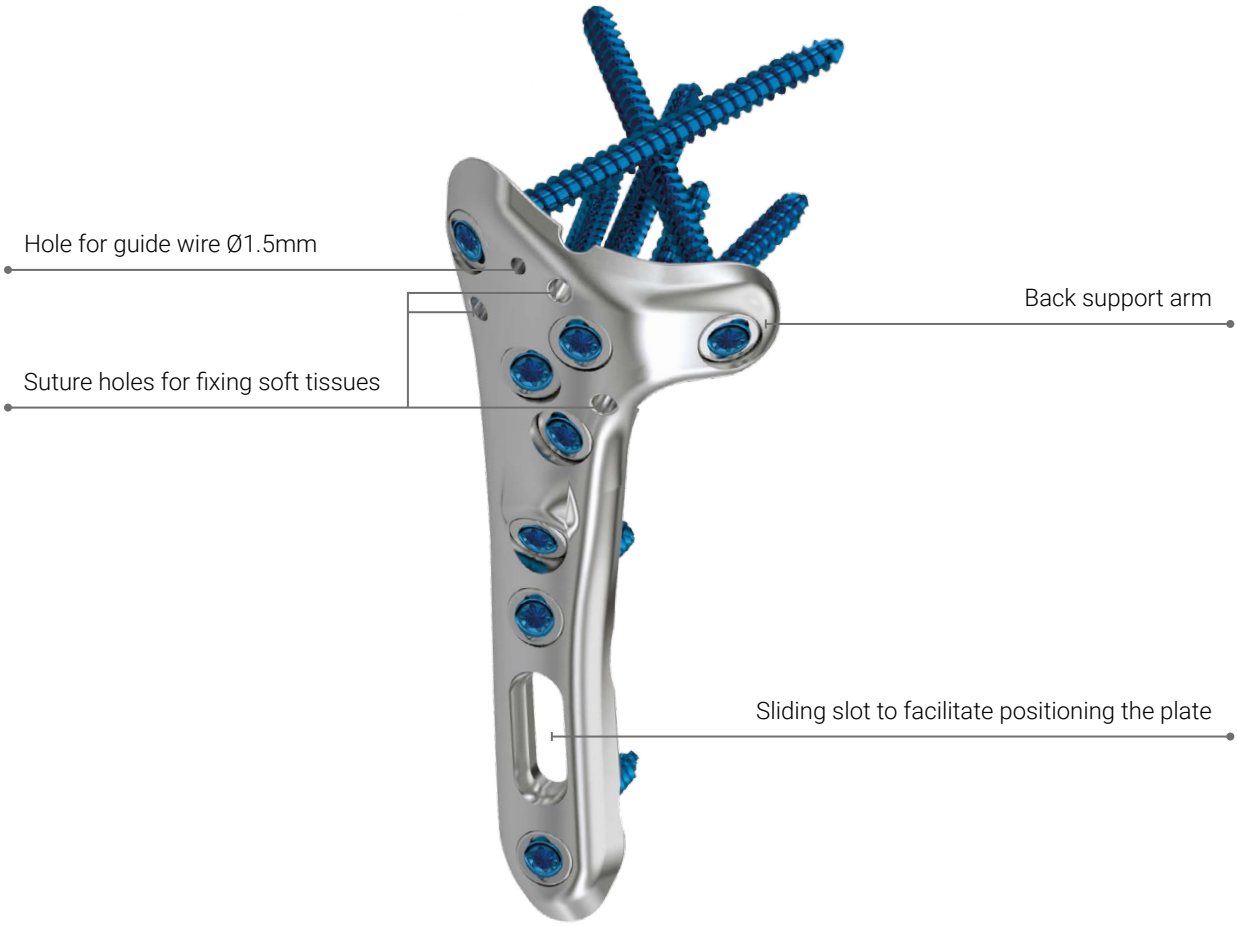
The particular design prevents the risk of impingement



/ PGR Proximal Humerus

Screws with set angular stability to grant maximum coverage.

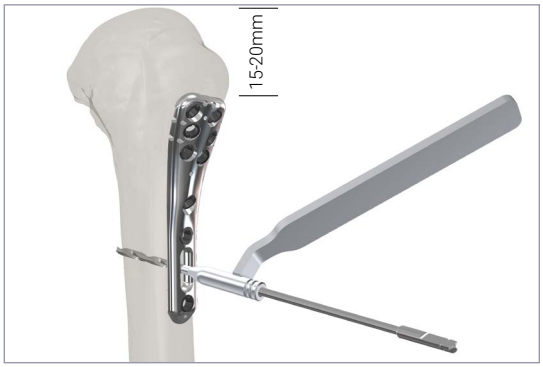
The particular design prevents the risk of impingement.



Surgical Technique.

· 1

Place the plate at about 20mm from the upper top of the greater tuberosity, insert the drill guide (S385) into the sliding slot, and make a hole.

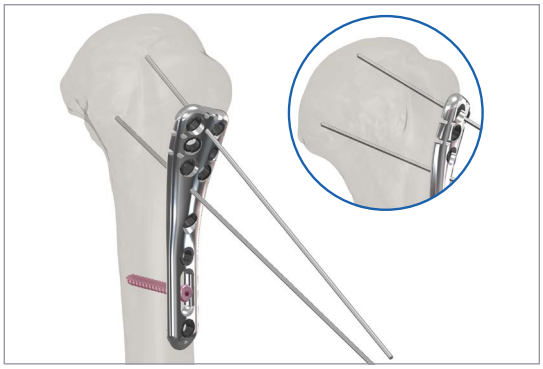


· 2

Measure the length of the cortical screw with the depth meter (S33) and insert the screw into the slot with the 2.5mm Hex screwdriver (S340).

· 3

Insert the guide wires Ø1.5mm (S335) into the proper holes to determine the plans of the upper and lower screws and temporary stabilize the plate.

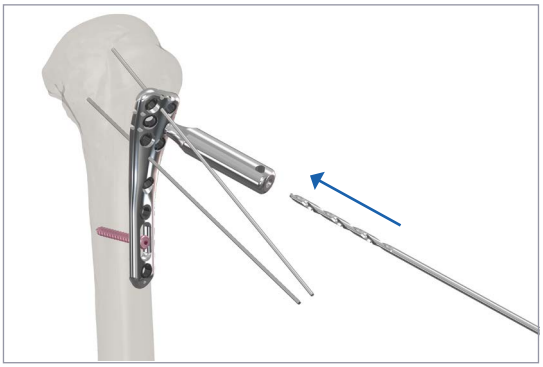


· 4

Insert the drill guide Ø2.8mm (S38) in one of the proximal hole.

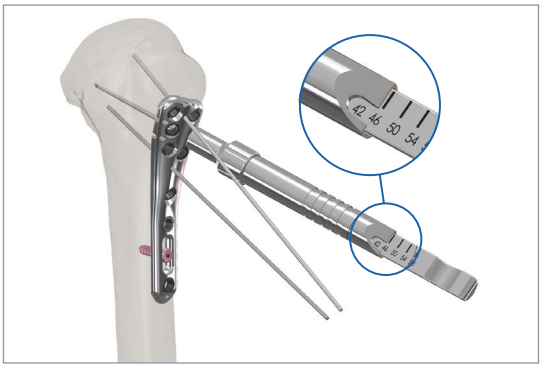
• **5**

Make the hole with the drill bit Ø2.8mm (S39).



• **6**

Insert the depth meter (S33) and measure the length of the screw.

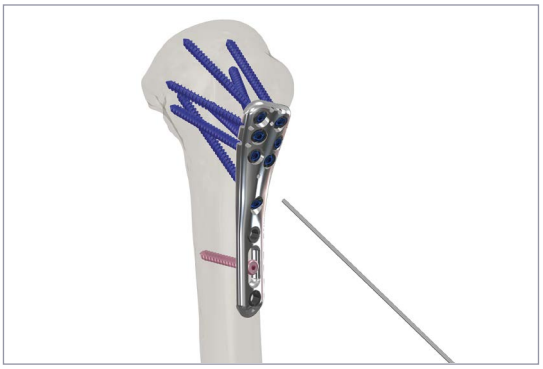


• **7**

Remove the depth meter and the drill guide and go on inserting the first proximal screw.

• **8**

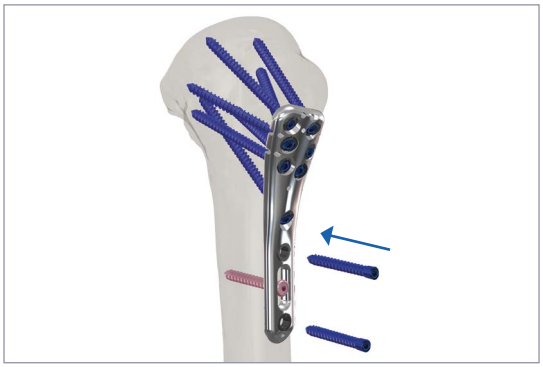
Go on inserting the remaining proximal screws.



Surgical Technique.

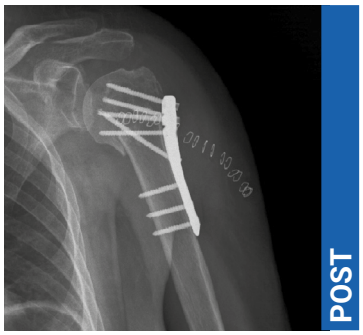
• 9

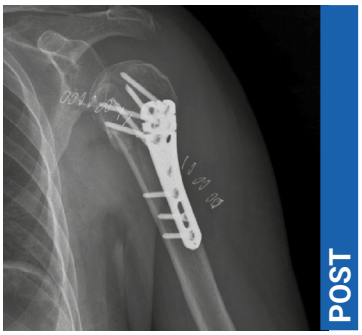
Complete the implant inserting diaphyseal screws.

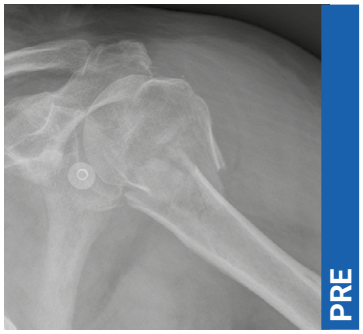


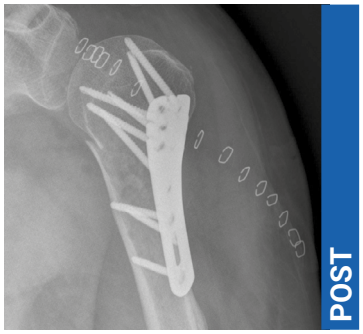
• 10

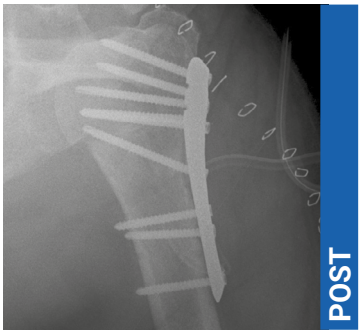
The completed implant.











Ordering informations.

CE 0546

			Epiphysis holes		Diaphysis holes	
Ref.	Description	L. mm	Locked	Free	Locked	Free
135.1101	Humerus claw-PGR Proximal humerus plate (L) short	83	6	0	2	1
135.1102	Humerus claw-PGR Proximal humerus plate (R) short	83	6	0	2	1
135.1103	Humerus claw-PGR Proximal humerus plate (L) medium	124	6	0	4	3
135.1104	Humerus claw-PGR Proximal humerus plate (R) medium	124	6	0	4	3
135.1105	Humerus claw-PGR Proximal humerus plate (L) long	163	6	0	6	5
135.1106	Humerus claw-PGR Proximal humerus plate (R) long	163	6	0	6	5
135.1107	Humerus claw-PGR Proximal humerus plate (L) extra-long	223	6	0	9	8
135.1108	Humerus claw-PGR Proximal humerus plate (R) extra-long	223	6	0	9	8
135.1203	PHF Proximal humerus plate (L) medium	82	7	0	2	1
135.1204	PHF Proximal humerus plate (R) medium	82	7	0	2	1
135.1205	PHF Proximal humerus plate (L) long	125	7	0	4	2
135.1206	PHF Proximal humerus plate (R) long	125	7	0	4	2
135.1207	PHF Proximal humerus plate (L) extra-long	180	7	0	7	2
135.1208	PHF Proximal humerus plate (R) extra-long	180	7	0	7	2

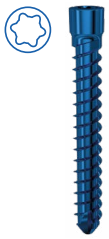
Materials:

Plates | Stainless Steel AISI 316 LVM - ISO 5832-1

Screws and bushings | Titanium Ti6Al4V - ISO 5832-3

Autolocking screws

/ SCREW | ■ Ø3.6MM



Ref.	L. mm
130.3410	10
130.3412	12
130.3414	14
130.3416	16
130.3418	18
130.3420	20
130.3422	22
130.3424	24
130.3426	26
130.3428	28
130.3430	30
130.3432	32
130.3434	34
130.3436	36
130.3438	38
130.3440	40
130.3442	42
130.3444	44
130.3446	46
130.3448	48
130.3450	50
130.3454	54
130.3458	58
130.3462	62
130.3466	66
130.3470	70
130.3474	74
130.3478	78
130.3482	82
130.3486	86
130.3490	90

Ti6Al4V - ISO 5832-3

Cortical screws

/ SCREW | ■ Ø3.7MM

Ref.	L. mm
130.3712	12
130.3714	14
130.3716	16
130.3718	18
130.3720	20
130.3722	22
130.3724	24
130.3726	26
130.3728	28
130.3730	30
130.3732	32
130.3734	34
130.3736	36
130.3738	38
130.3740	40
130.3742	42
130.3742	42
130.3744	44
130.3746	46
130.3748	48
130.3750	50
130.3754	54
130.3758	58
130.3762	62
130.3766	66
130.3770	70

Ti6Al4V - ISO 5832-3

Mini/3.5 Serie

Complete instruments set

CE CE 0051

REF. S30A - MINI/3.5 Instrument Case - 1 pc

REF. S21 - Ø2.2mm Conical Drill Guide - 1 pc

REF. S210 - Ø2.2mm Universal Drill Guide - 1 pc

REF. S213 - Ø1.2mm K-Wire Sleeve - 1 pc

REF. S215 - Ø2.2mm Conical Graduated Drill Guide - 1 pc

REF. S22 - Ø2.2 Drill Bit, 160mm - 2 pcs

REF. S235 - K-Wire Ø1.2mm x 120mm - 2 pcs

REF. S24HL - HL8 Hexalobular Screwdriver - 1 pc

REF. S246
Compression Device for Locking Screws - 1 pc

REF. S25 - Bushing Carrier/Extractor - 1 pc

REF. S33 - Depth Meter - 1 pc

REF. S334 - K-Wire Ø1.5mm x 200mm - 2 pcs

REF. S335 - K-Wire Ø1.5mm x 120mm - 2 pcs

REF. S340HL - HL10 Hexalobular Screwdriver - 1 pc

REF. S345 - Quick Coupling 2.5mm Hex Shaft - 1 pc

REF. S35 - Bushing Carrier/Extractor - 1 pc

REF. S38 - Ø2.8mm Conical Drill Guide - 1 pc

REF. S382 - Ø1.5mm K-Wire Sleeve - 1 pc

REF. S384 - Ø2.8mm Conical Graduated Drill Guide - 1 pc

REF. S385 - Ø2.8mm Drill Guide for Cortical Screws - 1 pc

REF. S387 - Ø3.2mm Drill Guide for Rail Screws - 1 pc

REF. S389 - Ø2.8mm Long Conical Drill Guide - 1 pc

REF. S39 - Ø2.8 Drill Bit, 200mm - 1 pc

REF. S390 - Ø2.8 Drill Bit, 150mm - 1 pc

REF. S393 - Ø3.2 Drill Bit, 140mm - 1 pc

REF. S394 - Broca Ø2.8mm, 130mm - 1 pc

REF. SVM - Ø2.5mm Temporary Stabilizing Screw - 2 pcs

REF. SVS - Ø3.5mm Temporary Stabilizing Screw - 2 pcs

REF. SET20/30 - Mini/3.5 Serie Complete instruments set

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