intrauma®

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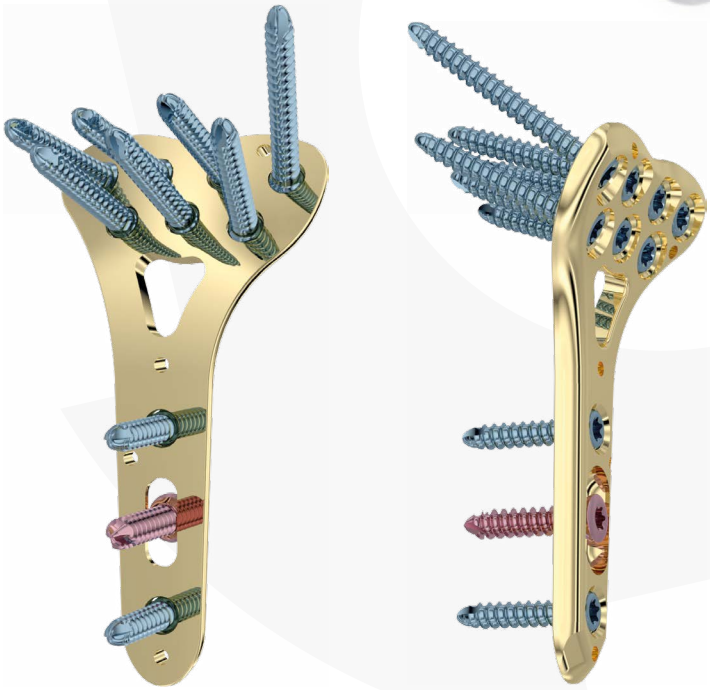

Volar plates.

O'nil The internal fixator & MultiAx

Intrauma Volar plates catalog

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O'nil
The internal fixator

Volar plates.

O'nil volar plates house up to seven distal screws with angulation and position specific for an optimal fixation of fragments, two of which are designed to achieve maximum stability of styloid.

The range of Intrauma volar plates is studied for intra- and extra-articular fractures of the distal radius (2R3-A2 and 2R3-A3, 2R3-B/C) and osteotomies of the distal radius.

The plates boast up to seven distal screws for optimal fragment fixation, two of which are designed to ensure stylus stability.

O'nil System

Thanks to the patented conical locking system, O'nil internal fixators distribute forces equally over the entire structure, decreasing the risk of implant breakage and mobilization of the screws.

The different holes that allow the use of screws locked by means of the conical coupling offer many opportunities for synthesis of both the radial and intermediate column.

Benefits and advantages

- The patented screw-plate locking system allows an easy technique and eliminates the possibility of cross-threading between the screw head and the plate.
- Up to 7 distal screws at specific angles.
- Tapered locking system provides bicortical fixation.

Wristar MultiAx

With the MultiAx system, screws can be angled anywhere within a 30° cone.

Benefits and advantages

- Low profile and rounded shape greatly reduce the risk of soft tissue irritation.
- Simple and intuitive instrumentation.
- Contact and pressure of the plate on the bone is not necessary; vascularization of the periosteum is so preserved.

Wristar

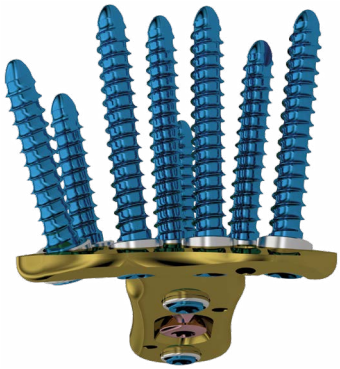
Multihole

MTF

Window

Wristar MultiAx

WRISTAR



120.9003
120.9004

120.9005
120.9006

120.9007
120.9008

CE 0546

			Epiphysis holes		Diaphysis holes	
Ref.	Description	L. mm	Locked	Free	Locked	Free
120.9003	WRISTAR radius volar plate (L) small	50	7	0	2	1
120.9004	WRISTAR radius volar plate (R) small	50	7	0	2	1
120.9005	WRISTAR radius volar plate (L) medium	50	7	0	2	1
120.9006	WRISTAR radius volar plate (R) medium	50	7	0	2	1
120.9007	WRISTAR radius volar plate (L) small-long	86	7	0	5	1
120.9008	WRISTAR radius volar plate (R) small-long	86	7	0	5	1

Materials:

Plates | CP Titanium Gr.4 - ISO 5832-2

Bushings and screws | Titanium Ti6Al4V - ISO 5832-3

Surgical technique.

Patient positioning:

Place the patient in a supine position with the forearm on a radiolucent table.

Approach:

Make a longitudinal incision slightly radial to the flexor radialis carpi tendon (FCR). Dissect between the FCR and the radial artery, exposing the pronator quadratus (PQ). Detach the PQ from the lateral border of the radius and elevate it toward the ulna to expose the volar surface of the radius.

• **1**

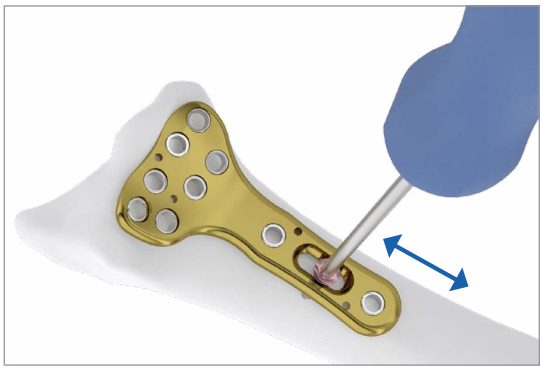
Drill a hole in the sliding slot with the drill bit (S222) using the universal drill guide (S210).

• **2**

Measure the length of the screw to be used, with the depth meter (S23).

• **3**

Insert the Ø2.7mm screw with the hexalobular screwdriver HL8 (S24HL). Adjust the position of the plate.



• **4**

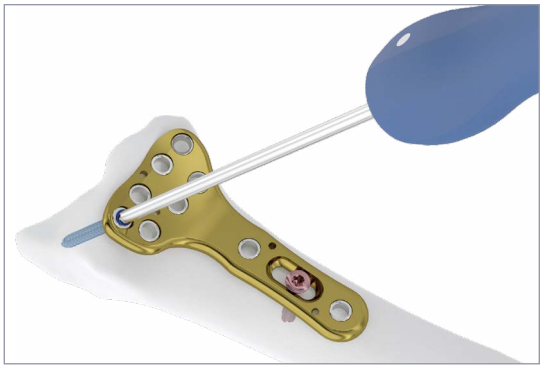
If necessary, use K-wires (S235) to temporarily fix the fragments.

• **5**

Insert the conical drill guide (S21) into the desired hole in epiphysis and drill with the drill bit (S222).

• **6**

Having determined the length of the screw to be used, with the depth meter (S23), insert the Ø2.5mm screw with the HL8 hexalobular screwdriver (S24HL).



• **7**

As an alternative to using the drill guide (S21) and depth meter (S23), insert the conical graduated drill guide (S215) into the chosen bush, drill the hole with the drill bit (S222) and read off the length of the screw to be used.

• **8**

Perform the same steps by inserting the remaining screws into the epiphysis.

• **9**

Complete the implantation by inserting the remaining diaphyseal screws, after measuring their length with the depth gauge (S23).

MTF

120.9009
120.9010

120.9011
120.9012

120.9013
120.9014

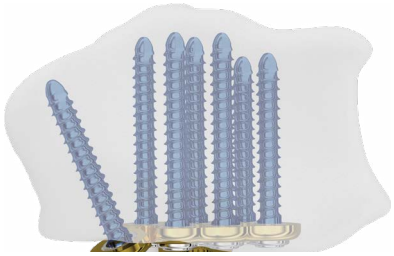
CE 0546

			Epiphysis holes		Diaphysis holes	
Ref.	Description	L. mm	Locked	Free	Locked	Free
120.9009	MTF radius volar plate (L) small	47	6	0	2	1
120.9010	MTF radius volar plate (R) small	47	6	0	2	1
120.9011	MTF radius volar plate (L) medium	48	7	0	2	1
120.9012	MTF radius volar plate (R) medium	48	7	0	2	1
120.9013	MTF radius volar plate (L) small-long	86	6	0	5	2
120.9014	MTF radius volar plate (R) small-long	86	6	0	5	2

Materials:

Plates, bushing and screws | Titanium Ti6Al4V - ISO 5832-3

Multihole



120.9001
120.9002

CE 0546

			Epiphysis holes		Diaphysis holes	
Ref.	Description	L. mm	Locked	Free	Locked	Free
120.9001	Multihole radius volar plate (L)	46	7	0	2	1
120.9002	Multihole radius volar plate (R)	46	7	0	2	1

Materials:

Plates | CP Titanium Gr.4 - ISO 5832-2

Bushings and screws | Titanium Ti6Al4V - ISO 5832-3

Window

120.9201
120.9202

120.9203
120.9204

CE 0546

			Epiphysis holes		Diaphysis holes	
Ref.	Description	L. mm	Locked	Free	Locked	Free
120.9201	WINDOW radius volar plate (L) small	48	6	0	2	1
120.9202	WINDOW radius volar plate (R) small	48	6	0	2	1
120.9203	WINDOW radius volar plate (L) medium	53	7	0	2	1
120.9204	WINDOW radius volar plate (R) medium	53	7	0	2	1

Materials:

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

Bushings and screws | Titanium Ti6Al4V - ISO 5832-3

Wristar MultiAx Distal Radius Sterile Kit.

The Kit provides high quality single-use implants and instruments designed to improve the efficiency of your operating theater.

It is streamlined to promote procedural efficiency by simplifying the management of instruments and implants during the surgical procedure.

The innovative instrumentation is single-use and allows you to maintain the same surgical routine you perform today.

Improved Operating Theater Workflow

Single-use Kit with instruments and implants designed to help optimize workflow efficiency in your operating theater.

Ready to use

Designed for standard surgical procedures, basic kit is complete with high quality single-use instruments and implants: always new, always complete and ready to use.

Cost-effective

Wristar Distal Radius Sterile Kit is a cost-effective solution. The additional costs including cleaning, decontamination, sterilization instruments are cancelled.

/ Wristar MultiAx Distal Radius Sterile Kit

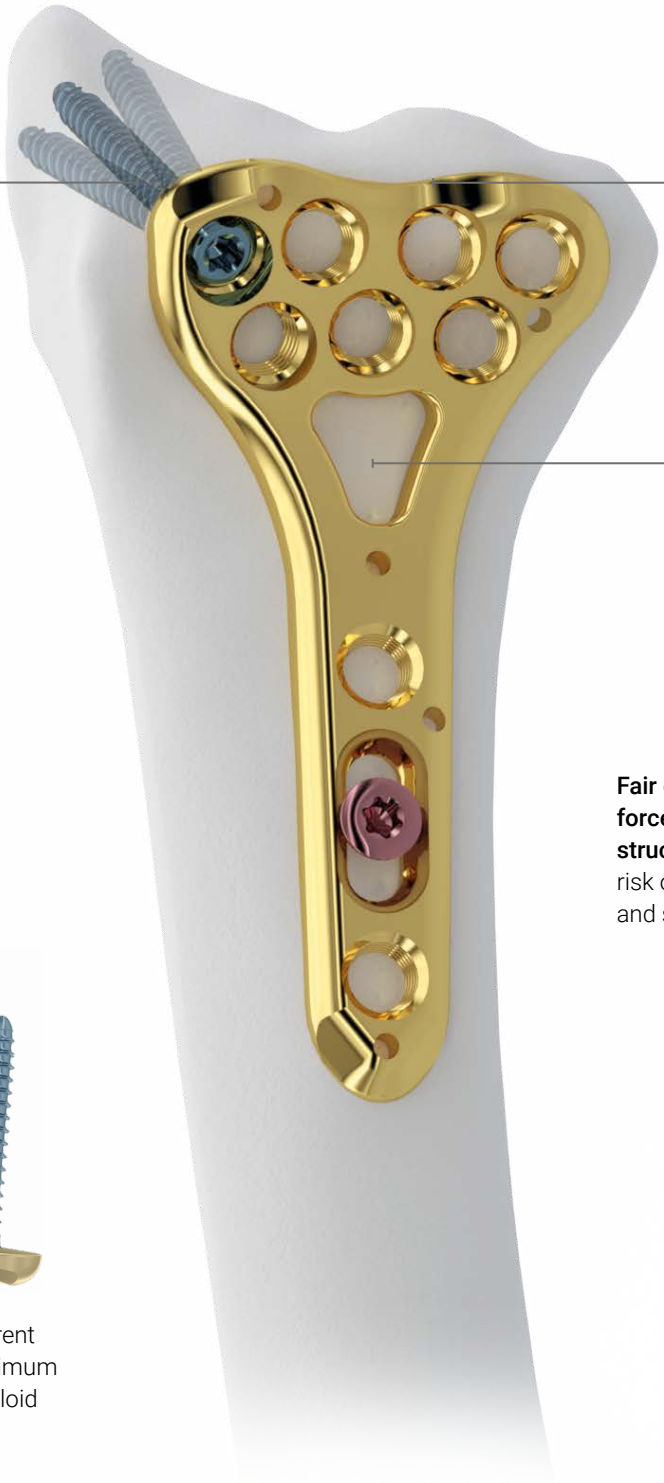
Indications

Wristar Distal Radius Sterile Kit is indicated for intra- and extra-articular fractures of the distal radius (2R3-A2 e 2R3-A3, 2R3-B/C) and distal radius osteotomies.

MultiAx screws can be angled anywhere within a 30° cone

Low profile anatomical shape to minimize irritation of soft tissues

The head of the MultiAx screw Ø2.5mm has a rounded shape to allow various angulations within the locking hole



Window to visualize fracture and joint reconstruction

Fair distribution of forces over the entire structure, reducing the risk of implant breakage and screw mobilization

Seven distal screws offer different synthesis options to ensure maximum stability. Stabilization of the styloid is provided by the lateral specific screw angle.

120.9031
120.9032

120.9033
120.9034

120.9035
120.9036

120.9037
120.9038

CE 0051

/ KIT

			Epiphysis holes		Diaphysis holes	
Ref.	Description	L. mm	Locked	Free	Locked	Free
KM1.9031	KIT - WRISTAR MultiAx Volar plate (L) Small	47	7	0	2	1
KM1.9032	KIT - WRISTAR MultiAx Volar plate (R) Small	47	7	0	2	1
KM1.9033	KIT - WRISTAR MultiAx Volar plate (L) Medium	50	7	0	2	1
KM1.9034	KIT - WRISTAR MultiAx Volar plate (R) Medium	50	7	0	2	1
KM1.9035	KIT - WRISTAR MultiAx Volar plate (L) Small Long	64	7	0	3	2
KM1.9036	KIT - WRISTAR MultiAx Volar plate (R) Small Long	64	7	0	3	2
KM1.9037	KIT - WRISTAR MultiAx Volar plate (L) Medium Long	67	7	0	3	2
KM1.9038	KIT - WRISTAR MultiAx Volar plate (R) Medium Long	67	7	0	3	2
T120.903X	Trial Plate WRISTAR MultiAx 120.9031-2-3-4-5-6-7-8 avalaible upon request					

CE 0546

/ PLATES

			Epiphysis holes		Diaphysis holes	
Ref.	Description	L. mm	Locked	Free	Locked	Free
120.9031	WRISTAR MultiAx Volar plate (L) Small	47	7	0	2	1
120.9032	WRISTAR MultiAx Volar plate (R) Small	47	7	0	2	1
120.9033	WRISTAR MultiAx Volar plate (L) Medium	50	7	0	2	1
120.9034	WRISTAR MultiAx Volar plate (R) Medium	50	7	0	2	1
120.9035	WRISTAR MultiAx Volar plate (L) Small Long	64	7	0	3	2
120.9036	WRISTAR MultiAx Volar plate (R) Small Long	64	7	0	3	2
120.9037	WRISTAR MultiAx Volar plate (L) Medium Long	67	7	0	3	2
120.9038	WRISTAR MultiAx Volar plate (R) Medium Long	67	7	0	3	2

Materials:

Plates | CP Titanium Gr.4 - ISO 5832-2

Screws | Titanium Ti6Al4V - ISO 5832-3

Surgical technique with sterile kit.

Patient positioning:

the patient is placed in a supine position with his forearm on a radiolucent table.

Approach:

make a longitudinal incision slightly radial to the flexor carpi radialis tendon (FCR). Dissect between the FCR and the radial artery, exposing the pronator quadratus. Detach the pronator quadratus from the lateral border of the radius and elevate it toward the ulna.

Technique with reusable instruments

The technique shown can also be carried out with the reusable instruments from the Set Mini Fragments (see detail on page 19) by substituting the instrument codes as shown in the table.

Ref. Sterile Kit Instruments	Ref. Reusable instruments
SKM1.0001	S210
SKM1.0002	S23
SKM1.0003	S24HL
SKM1.0004	S291
SKM1.0006	S235
SKM1.0007	S222

• 1

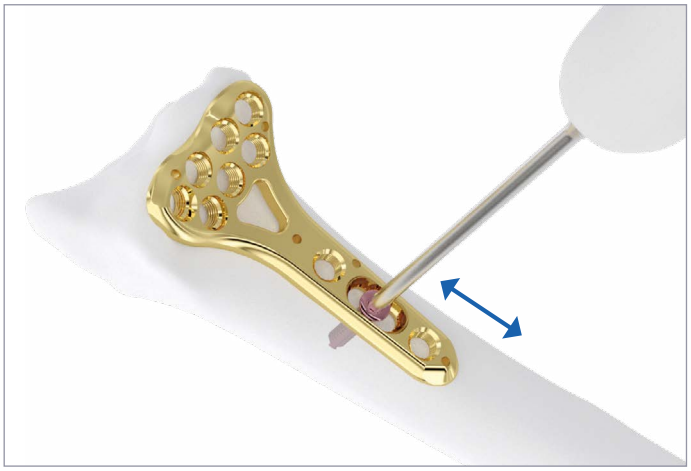
Drill a hole by the sliding slot with the drill bit Ø2.2mm (SKM1.0007) using the universal drill guide Ø2.2mm (SKM1.0001).

• 2

To determine the screw length, use the depth gauge (SKM1.0002).

• **3**

Insert the Ø2.7mm cortical screw using the HL8 hexalobe screwdriver (SKM1.0003). Adjust the position of the plate.



• **4**

If necessary, use the Ø1.2mm K wires (SKM1.0006) to temporarily fix the fragments.

• **5 - Uniaxial**

Screw the Ø2.2mm coaxial drill guide (SKM1.0004) into the desired hole in the epiphysis and drill a hole with the drill bit (SKM1.0007).

• **5 - Polyaxial**

Insert the Ø2.2mm universal drill guide (SKM1.0001) in the desired hole, inclining it appropriately and drill a hole with the drill bit (SKM1.0007).

• **6**

Insert the Ø2.5mm MultiAx screw with the HL8 hexalobe screwdriver (SKM1.0003).

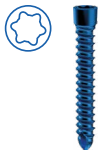
• **7**

Complete the implant by inserting the remaining screws.

Autolocking screws

/ SCREW | Ø2.5MM

Ref.	L. mm
120.2508	8
120.2510	10
120.2512	12
120.2514	14
120.2516	16
120.2518	18
120.2520	20
120.2522	22
120.2524	24
120.2526	26
120.2528	28
120.2530	30
120.2534	34
120.2538	38
120.2542	42
120.2546	46
120.2550	50

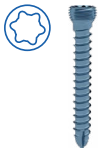


Ti6Al4V - ISO 5832-3

MultiAx Screws

/ SCREW | Ø2.5MM

Ref.	L. mm
120.2308	8
120.2310	10
120.2312	12
120.2314	14
120.2316	16
120.2318	18
120.2320	20
120.2322	22
120.2324	24
120.2326	26
120.2328	28
120.2330	30
120.2332	32
120.2334	34
120.2336	36
120.2338	38
120.2340	40



Ti6Al4V - ISO 5832-3

Cortical screws

/ SCREW | Ø2.7MM

Ref.	L. mm
120.2706	6
120.2708	8
120.2710	10
120.2712	12
120.2714	14
120.2716	16
120.2718	18
120.2720	20
120.2722	22
120.2724	24
120.2726	26
120.2728	28
120.2730	30
120.2732	32
120.2734	34
120.2736	36
120.2738	38
120.2740	40

Ti6Al4V - ISO 5832-3

Mini Fragments

Complete instruments set

CE 0051

REF. S205
MINI FRAGMENTS Instruments 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. S222
Ø2.2 Drill Bit, 115mm - 1 pc

REF. S23
Depth Meter - 1 pc

REF. S232
Ø1.2mm K-Wire Guide - 1 pc

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

REF. S245HL
Quick Coupling HL8 Hexalobular Shaft - 1 pc

REF. S24HL
HL8 Hexalobular Screwdriver - 1 pc

REF. S291
Ø2.2mm Coaxial Drill Guide - 1 pc

REF. SET MINI FRAGMENTS
Complete instruments set

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