

# Ortrautek

Orthognathic surgery, genioplasty  
and traumatology





# Reveal the *personality* of your **patients**



## Global D

**Global D** is a French company which specialises in the design, manufacture and supply of high quality **medical devices** for maxillofacial and pre-implant surgery, orthodontics and dental implantology.

We are passionate about what we do, and we develop **close relationships with our customers**. In addition to our products, which we develop in close collaboration with experienced surgeons, we support all our users in developing their skills. With this in mind we have set up a large network of colleagues, and we offer a variety of events, meetings and training courses to give our customers the **opportunity to share their knowledge**.

We also make every effort to ensure the **professionalism** and **expertise of our teams**, who are responsible for providing advice and service to the surgeons who use our products.

With the remarkable synergy between our areas of activity, we provide high added value in terms of expertise in the field of bone surgery devoted to facial harmony and an attractive smile.

**Global D** - ZI de Sacuny

118 av. Marcel Mérieux - 69530 Brignais - FRANCE

tél. +33(0)4 78 56 97 00 - fax +33(0)4 78 56 01 63

[www.globald.com](http://www.globald.com)



Made in **FRANCE**

## Performance for your expertise

---

### A commitment to service

---

Because the patient is your priority.

Our mission: to provide you with solutions and management systems to make your work easier day to day.

Global D adapts to your practice and guarantees a responsive service.

A personalised response: marketing and administrative team provides assistance from 8.30 am to 6.00 pm from Monday to Friday (local time).

### The product commitment

---

Because the product should be at the service of your practice.

Each of our product lines comprises ergonomic devices, which are adapted to the development of your technique. All of our products, which are coloured by anodic oxidation, are easily identifiable and offer an additional guarantee of safety for the patient.

### The quality commitment

---

Because customer satisfaction is everybody's business.

Always attentive to the need of practitioners, our teams commit their energy to continually optimize our services, procedures, and support, above and beyond simple compliance with the regulatory standards.

To maintain the highest possible performance, we purposely sought out LNE/G-MED (a French notified body) to certify our quality system and our product lines.

ISO 13485 certification

CE 0459

## ORTRAUTEK

---

A complete range dedicated to craniomaxillofacial bone stabilization and fixation during osteosynthesis and the bone consolidation period in the following situations:

- fractures,
- reconstructive surgeries,
- orthognathic surgery of the maxilla and mandiblee.

This is a very wide range of plates and screws of different shapes in different thicknesses and grades of titanium, all easily identifiable through color coding.

---

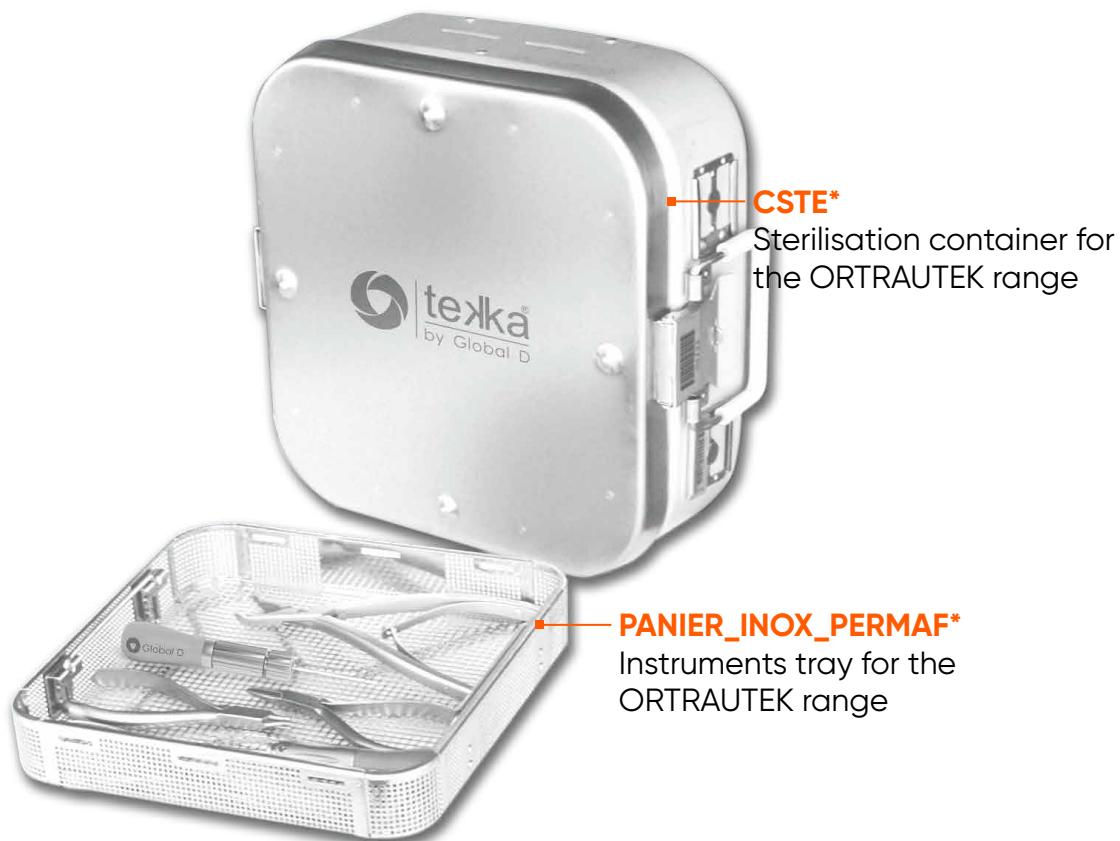
The products presented are CE-marked class I, IIa and IIb Medical Devices intended for healthcare professionals in Cranio-Maxillo-Facial Surgery. They are intended for craniomaxillofacial bone stabilization and fixation during osteosynthesis and the bone consolidation period. The CE conformity assessment was carried out by GMED (CE0459).

Please consult the instructions for use before use.

The instructions for use are available in electronic form. A QR code and a URL link can therefore be found on the device label. The paper instructions for use are nevertheless available on simple request to the following address: [quality@globald.com](mailto:quality@globald.com) and at no extra charge within 7 days.

The medical devices shown may not be available for sale in all countries. In case of doubt, or for any further information, please contact the Global D sales department.

Some products presented are manufactured by other manufacturers and distributed by GlobalD. These products are Class I, IIa and IIb and are CE marked by their respective manufacturers in accordance with Regulation (EU) 2017/745 and/or Directive 93/42/EEC.

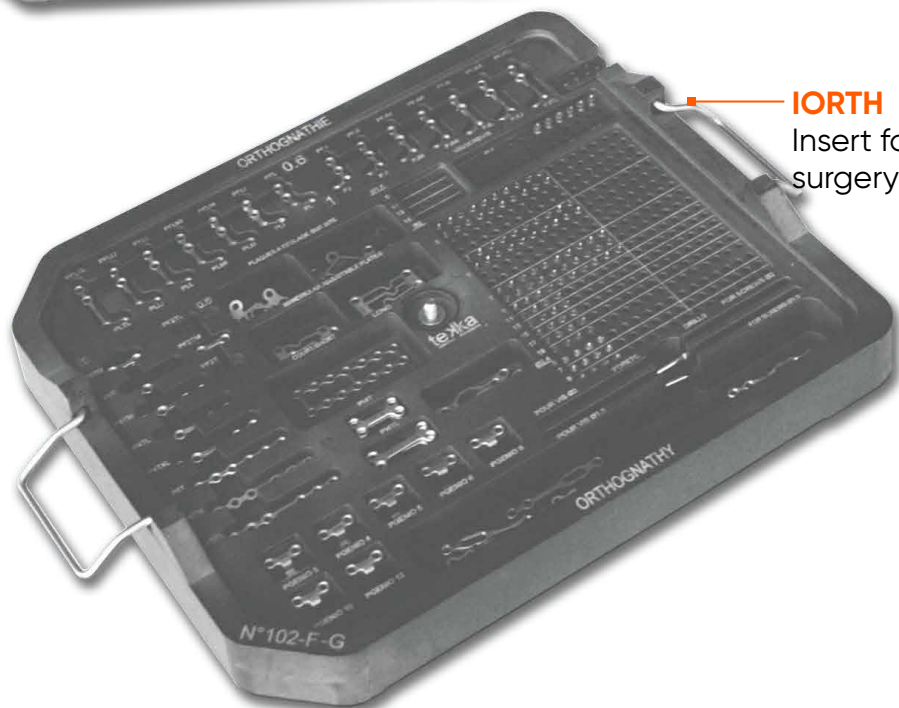


**CSTE\***  
Sterilisation container for the ORTRAUTEK range

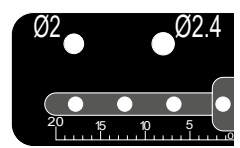
**PANIER\_INOX\_PERMAF\***  
Instruments tray for the ORTRAUTEK range



**ITRAU**  
Insert for traumatology surgery



**IORTH**  
Insert for orthognathic surgery



**Small ruler** for checking the diameter and length of the screws

\* These medical devices are manufactured by C.B.M S.r.l. in accordance with the Directive 93/42/EEC.

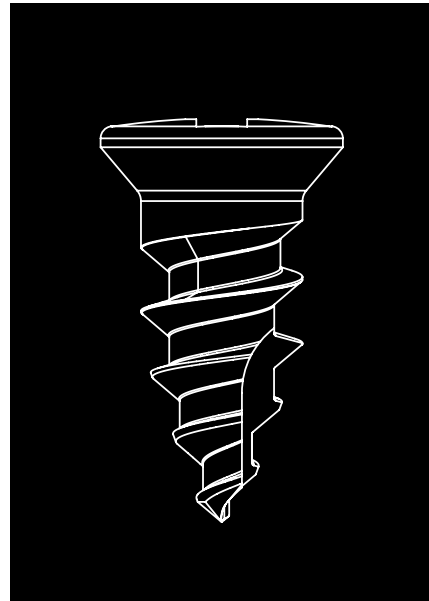
<b>INTRODUCTION</b> .....	<b>6</b>
Technical specificities.....	6
<b>SCREWS</b> .....	<b>9</b>
Self-drilling screws.....	9
Self-tapping screws.....	10
Intermaxillary fixation screws.....	11
<b>PLATES</b> .....	<b>14</b>
Straight plates.....	14
L & J-shaped plates.....	15
Le Fort I plates (other models).....	18
Narrow bridge plates for the maxilla.....	19
Retaining plate of the transverse direction.....	19
On-site adjustment plates for the mandible.....	21
Mandibular plates.....	30
Genioplasty plates.....	31
Mandibular trauma plates or minor reconstruction.....	32
Other plates (3D, Orbital, H, X, Y, T).....	33
<b>ANCILLARY INSTRUMENTS</b> .....	<b>35</b>
Screwdrivers and shafts.....	35
Forceps.....	38
Drill bits.....	39
Transbuccal.....	40
<b>EASYTEK: The simplicity of sterile instrumentation</b> .....	<b>41</b>
The concept.....	41
The advantages.....	42

## Technical specificities

### A self-drilling screw thread

**Global D**, with its extensive experience in maxillofacial surgery gained over the past 22 years, has set itself the mission of maximising the quality and efficacy of its osteosynthesis products, notably by developing a self-drilling thread for all of its screws.

The asymmetric thread has wider wings for better primary bone fixation. The screw tip has been sharpened to ensure the thread penetrates into the bone. In addition, the self-tapping and self-drilling thread sheds bone chips more easily, thereby improving screw penetration.



### The choice of titanium

All the implants (screws and plates) supplied by **Global D** are made from titanium.

This metal has numerous advantages, including:

- malleability without shape memory,
- a suitable mechanical resistance,
- biocompatibility,
- non-magnetic with an absence of artefacts on radiography

Titanium can be anodised, electrolytic oxidation process wherein the surface layer is transformed into oxide, thus enabling various colours without the addition of other materials.



## Technical specificities

### Controlled malleability

Titanium presents a wide range of malleabilities depending on its grade and thickness. Our plates have been designed using different grades of titanium depending on the desired rigidity. The higher the grade of titanium, the greater its rigidity and conversely, the less malleable it is. (see table below)

In addition, the malleability of the plates also depends on their thickness. Different thicknesses of plates are therefore available according to their various applications. For example, plates from 0.6 mm to 1.5 mm coexist, and their malleability will decrease as they become thicker.

Material	T40	T60	TA6V
Grade	Grade II	Grade IV	Grade V
Rigidity	moderate	strong	very strong
Malleability	++	+	±

### Colour code

A colour code is applied to distinguish the different Maxillofacial Surgery range.

MICROTEK (1.2)

MINITEK (1.5)








ORTRAUTEK (2.0)

CARCITEK (2-2.4-2.7)

Also, within each product line, a specific colour code is used for instant identification of the diameter, thickness, and grade of titanium of the plates and screws.

**Warning :** It is not recommended to bend the plate more than two times in the same place, at risk of altering plate mechanical properties.

We also recommend not to use screws that were impacted several times. Please refer to the instruction manual.

	Ortrautek range	Associated colour	
SCREWS	Self-drilling - Ø 2 mm		Rigidity + + ++ ↓
	Self-tapping - Ø 2 mm		
	Emergency screw - Ø 2.4 mm		
PLATES	T40 - Thickness 0.6 mm		
	T40 - Straight plate Thickness 0.8		
	T40 - Thickness 0.8 or 1 mm		
	T40 - Thickness 1.5 mm T60 & TA6V - Thickness 1 mm		

### Screwing torque

The maximum permissible screwing torque depending on the diameter of the initial screw (in mm) is:

	Ø Screw	Max. Torque
Self-drilling screws or self-tapping screws	Ø2.0 mm	40N.cm
	self-tapping screws	75N.cm

# SCREWS



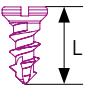

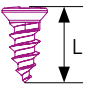


## Self-drilling screws




- Self-drilling thread
- No need for pre-drilling
- Colour code for identification of screw diameter and thread type
- Prehension shaft/screw head insured
- Stability during screwing



### Self-drilling hexa- or cross-drive screws - Ø 2 mm

	2 mm	Colour code	Length (mm)	Hexa-drive ref. number		2 mm	Cross-drive ref. number
			4	VA2HL4			VA2KL4
			5	VA2HL5			VA2KL5
			6	VA2HL6			VA2KL6
			7	VA2HL7			VA2KL7
			9	VA2HL9			VA2KL9
			11	VA2HL11			VA2KL11
			13	VA2HL13			VA2KL13
			15	VA2HL15			VA2KL15
			17	VA2HL17			VA2KL17
			19	VA2HL19			VA2KL19

### Self-drilling cross-drive screws - Ø 2.4 mm

	2.4 mm	Colour code	Length (mm)	Cross-drive ref. number
			11	VA2.4KL11
			13	VA2.4KL13
			15	VA2.4KL15
			17	VA2.4KL17

## Self-tapping screws

- Colour code for identification of screw diameter and thread type
- Prehension shaft/screw head insured
- Stability during screwing



### Hexa-drive self-tapping screws - Ø 2 mm

2 mm		Colour code	Length (mm)	Hexa-drive ref. number
			4	V2HL4
			5	V2HL5
			6	V2HL6
			7	V2HL7
			9	V2HL9
			11	V2HL11
			13	V2HL13
			15	V2HL15
			17	V2HL17
			19	V2HL19

### Emergency screws - Ø 2.4 mm

2.4 mm		Colour code	Length (mm)	Hexa-drive ref. number
			5	V2.4HL5
			7	V2.4HL7
			9	V2.4HL9

2.4 mm		Cross-drive ref. number
		V2.4KL5
		V2.4KL7
		V2.4KL9


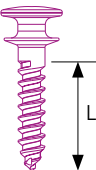

## Intermaxillary fixation screws


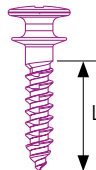
- Self drilling thread
- Time-saving and stable assembly
- Colour code to identify the diameter
- Safety for the practitioner
- Alternative to traumatology arches
- Atraumatic rounded head
- Head shaped like a mushroom for a better elastic retention




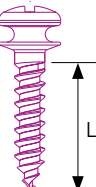

### Self-drilling intermaxillary fixation screws

#### Hexa-drive or cross-drive - Ø 2 mm

	2 mm	Colour code	Length (mm)	Hexa-drive ref. number
			7	VBA2HL7
			9	VBA2HL9

	2 mm	Cross-drive ref. number
		VBA2KL7
		VBA2KL9

### Self drilling intermaxillary rounded screws cross-drive - Ø 2 mm

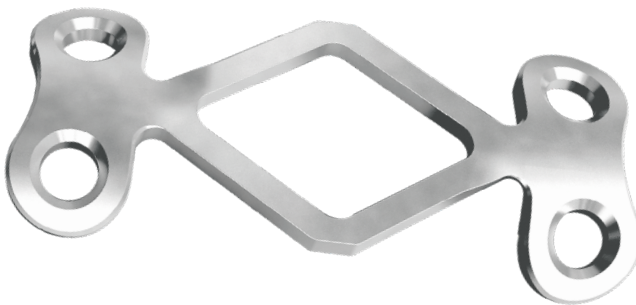
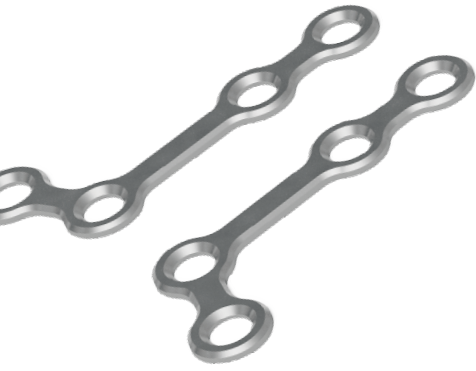
	2 mm	Colour code	Length (mm)	Cross-drive ref. number
			7	VBIBA2KL7
			9	VBIBA2KL9



#### Guidelines for use :

- For use in orthognathic and traumatology surgery
- Possibility for transmucosal placement
- Use of 4 or 6 screws for fixation

# PLATES



## **Straight plates :** **14**

- Straight plates - 1 mm
- Straight plates - 0.8 mm
- Thin straight plates - 0.6 mm

## **Reversibles Le Fort I plate - 0.8 mm** **15**

## **L & J-shaped plates - 1 mm** **16**

## **Thin L & J-shaped plates - 0.6 mm** **17**

## **Pre-shaped left and right Le Fort I plates - 0.8 mm** **18**

## **Narrow bridge plates for the maxilla - 1 mm** **19**

- Prof. BOUTAULT plates - 1 mm 19

## **Retaining plate of the transverse direction - 1 mm** **19**

## **On-site adjustment plates for the mandible** **21**

- Dr. CRESSEAU plate - 1 mm 21
- Dr. DUGUET plates - 1 mm 22
- Specific adjustment forceps for PRS4T & PRS4TL 23
- Diamond-shaped plates - 0.8 mm 24
- Dr. BEDHET anatomical mandibular plates - 0.8 mm 25
- Slide plates - 1 mm 28
- Dr. BALOGH plates - 1 mm 29

## **Mandibular plates** **30**

- Curved mandibular plates - 1 mm
- I-shaped plates - 1 mm
- Dr. BAUER plate - 1 mm
- Plate for 3rd fragment - 0.8 mm

## **Genioplasty plates - 0.6 mm** **31**

## **Mandibular trauma plates or minor reconstruction:** **32**

- Trauma plates - 1.5 mm
- Condylar fracture plates - 1 mm
- Symphysis fracture plate - 1 mm

## **Other plates :** **33**

- Orbital plates - 0.6 mm
- X, Y, and T-shaped plates - 1 mm
- Star-shaped plates - 0.6 mm
- Square and rectangular 3D plates - 0.6 mm & 1 mm



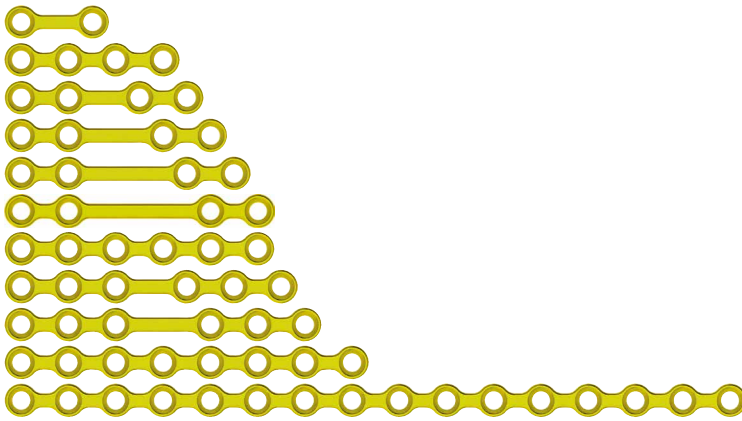
## Straight plates

- Range of lengths and thicknesses
- Colour code for thickness identification



### Straight plates - 1 mm

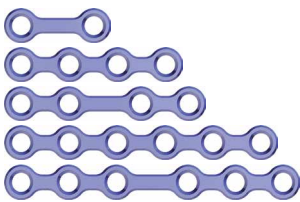
1 mm



Colour code	Holes	Bridge	Rigidity	Ref. number
■	2	medium	+	P2TM
		bridgeless		P4T
	4	medium		P4TM
		long		P4TL
		very long		P4TXL
		very very long		P4TXXL
		bridgeless		P6T
	6	medium		P6TM
		long		P6TL
	8	bridgeless		P8T
	16	bridgeless		P16T

### Straight plates - 0.8 mm

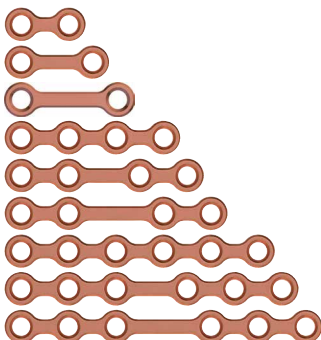
0.8 mm



Colour code	Holes	Bridge	Rigidity	Ref. number
■	2	medium	+	P2TM08
		bridgeless		P4T08
	4	medium		P4TM08
		bridgeless		P6T08
		medium		P6TM08

### Thin straight plates - 0.6 mm

0.6 mm

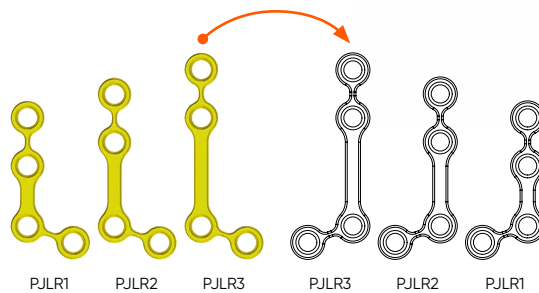


Colour code	Holes	Bridge	Rigidity	Ref. number
■	2	bridgeless	±	PF2T
		medium		PF2TM
		long		PF2TL
	4	bridgeless		PF4T
		medium		PF4TM
		long		PF4TL
	6	bridgeless		PF6T
		medium		PF6TM
		long		PF6TL



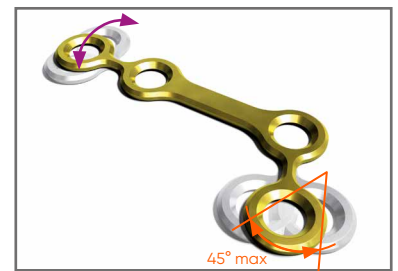
## Le Fort I plates

- Reversible
- Easy to shape at the extremities thanks to the square section
- Declination of lengths and colour coding for thickness identification






### Reversible Le Fort I plates - 0.8 mm

0.8 mm	Code couleur	Pont	Rigidité	Référence
	■	Court	+	PJLR1
		Moyen		PJLR2
		Long		PJLR3



### Dr. BALOGH's T-shaped maxillary plates - 0.8 mm

(Cèdres Clinic - Echirolles)

0.8 mm	Colour code	Bridge	Rigidity	Ref. number
	■	Court	+	PMT4TS
		Moyen		PMT4TM
		Long		PMT4TL

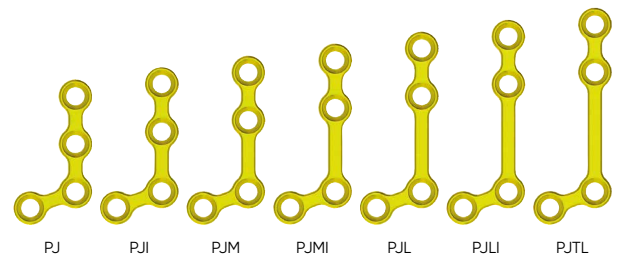
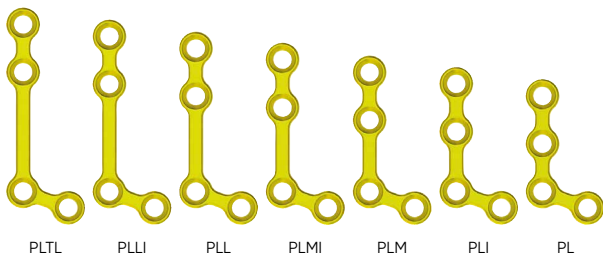


- Compact plate with reduced spacings (close holes), ideal for small maxillary
- Centering on the canine pillar is facilitated because the volume is minimal



## L & J-shaped plates

- 110° angled plates
- Range of lengths
- Colour code for thickness identification



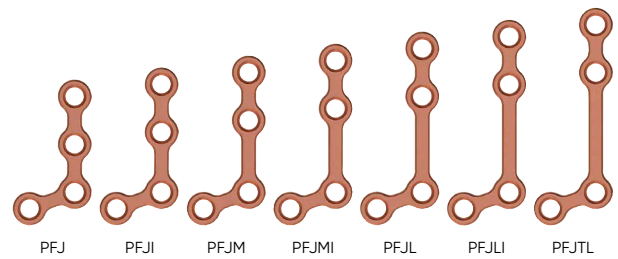
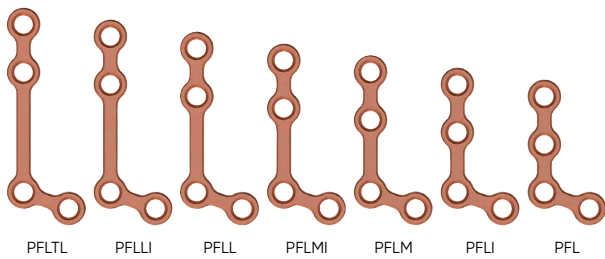
### L & J-shaped plates - 1 mm

1 mm	Colour code	Bridge	Rigidity	Ref. number L	Ref. number J
	■	bridge-less	+	PL	PJ
		intermediate		PLI	PJI
		medium		PLM	PJM
		intermediate medium		PLMI	PJMI
		long		PLL	PJL
		intermediate medium		PLLI	PJLI
		very long		PLTL	PJTL



## Thin L & J-shaped plates

- 110° angled plates
- Range of lengths
- Colour code for thickness identification



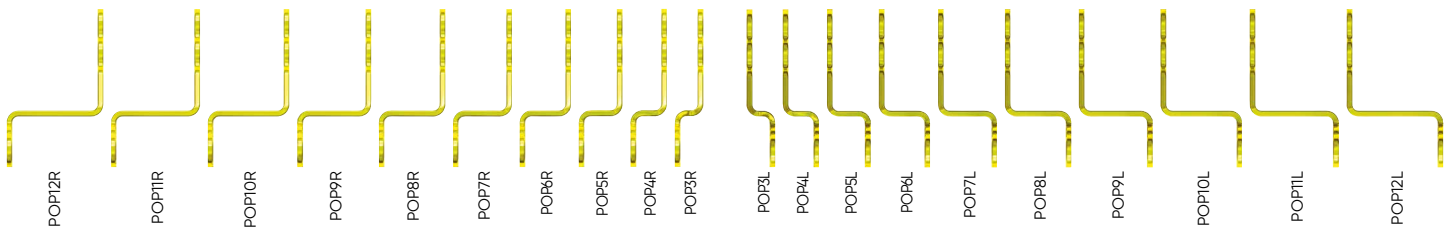
### Plaques fines en L & J - 0.6 mm

0.6 mm	Colour code	Bridge	Rigidity	Ref. number L	Ref. number J
	■	bridge-less	±	PFL	PFJ
		intermediate		PFLI	PFJI
		medium		PFLM	PFJM
		medium intermediate		PFLMI	PFJMI
		long		PFL	PFJL
		long intermediate		PFLLI	PFJLI
		very long		PFLT	PFJTL



## Pre-shaped Le Fort I plates

- Available in 10 different bridge lengths
- Available in left and right anatomical versions
- Specific CPOP container



### Pre-shaped Le Fort I plates - 0.8 mm

**0.8 mm**  
Right



Colour code	Bridge	Rigidity	Ref. number R
■	3 mm	+	POP3R
	4 mm		POP4R
	5 mm		POP5R
	6 mm		POP6R
	7 mm		POP7R
	8 mm		POP8R
	9 mm		POP9R
	10 mm		POP10R
	11 mm		POP11R
	12 mm		POP12R

**0.8 mm**  
Left

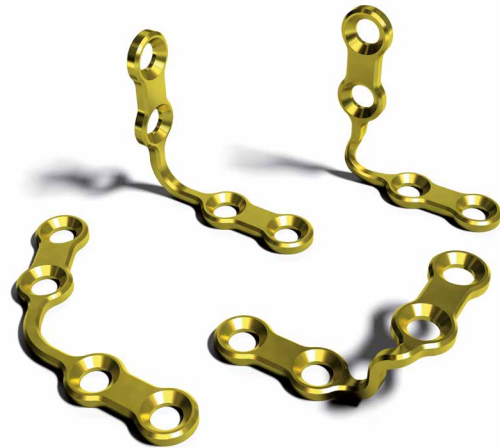
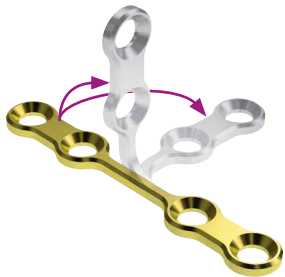


Ref. number L
POP3L
POP4L
POP5L
POP6L
POP7L
POP8L
POP9L
POP10L
POP11L
POP12L



## Narrow bridge plates for the maxilla

- Maxillary use
- Square section for easier folding
- Possibility of creating a personalised angle



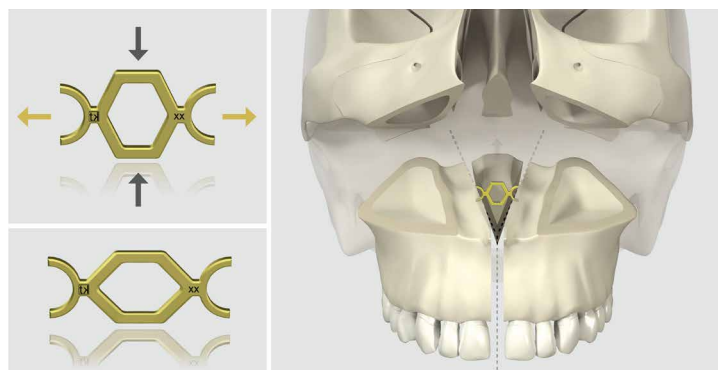
**Prof. BOUTAULT plates - 1 mm**  
(Purpan University Hospital - Toulouse, FRANCE)

1 mm	Colour code	Bridge	Rigidity	Ref. number
		medium	+	PB4TM
		long		PB4TL
		very long		PB4TXL

## Plaque de maintien du sens transversal

- Implementation of the plate perpendicularly to the disjunction osteotomy in the frontal plan.
- Activation of the adjustable on site plate thanks to the deformation of the hexagon, the plate comes to position in osseous support on the edges of palates blades.
- Maintain of the chosen transverse dimension.

1 mm	Colour code	Rigidity	Reference
		+	PDM



\* the plate is positioned without the need for screwing

## Forceps for retaining plate of the transverse direction

Reference
IPDISJ



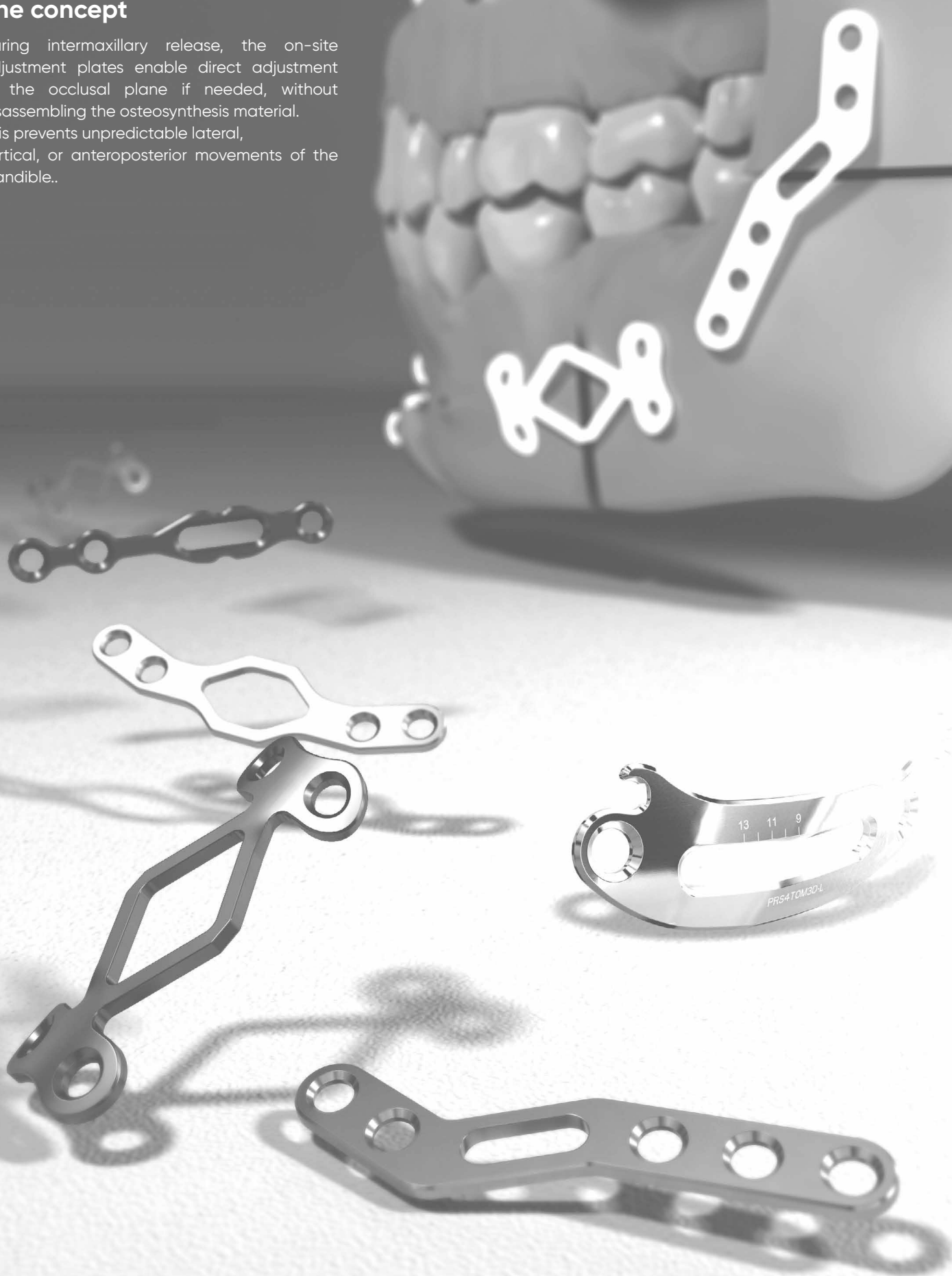
- Bit specially designed to welcome the summits of the plate hexagon
- Adapted size to the small and deep operating site

## On-site adjustment plates for the mandible

---

### The concept

During intermaxillary release, the on-site adjustment plates enable direct adjustment of the occlusal plane if needed, without disassembling the osteosynthesis material. This prevents unpredictable lateral, vertical, or anteroposterior movements of the mandible..





On-site adjustment plates for the mandible

- On-site deformable hexagon
- Length of adjustment +/- 1 mm




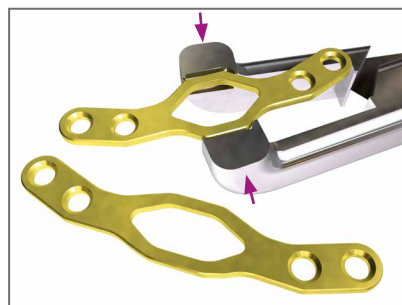
Dr. CRESSEAUX on-site adjustment plate - 1 mm

(Jean Mermoz Private Hospital - Lyon, FRANCE)

1 mm



Colour code	Length	Rigidity	Ref. number
	Short	+	PRCS







On-site adjustment plates for the mandible

- Vertical pre-bending
- On-site deformable diamond
- Length of adjustment +/- 2 mm
- Anteroposterior monovectorial adjustment
- Specific adjustment forceps for lengthening or shortening the plate



Dr. DUGUET on-site adjustment plates - 1 mm  T40 -  T60  
 (ules Verne Private Hospital - Nantes, FRANCE)

1 mm & 1 mm

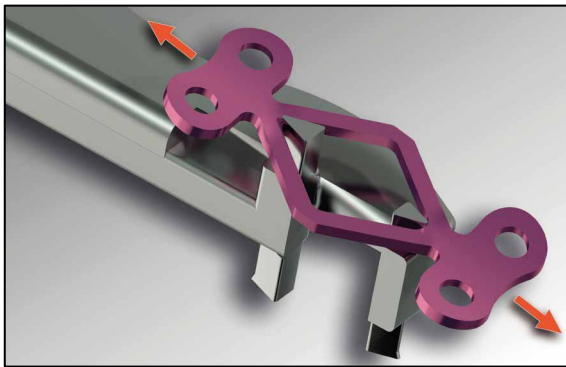
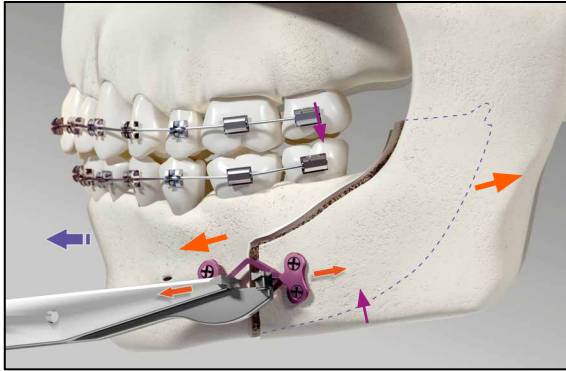
Colour code	Side	Length	Rigidity	Ref. number
■	Droit	Short	+	PRS4T
	Gauche			PRS4T-G
■	Droit	Long	++	PRS4TL
	Gauche			PRS4TL-G



Specific adjustment forceps for PRS4T & PRS4TL

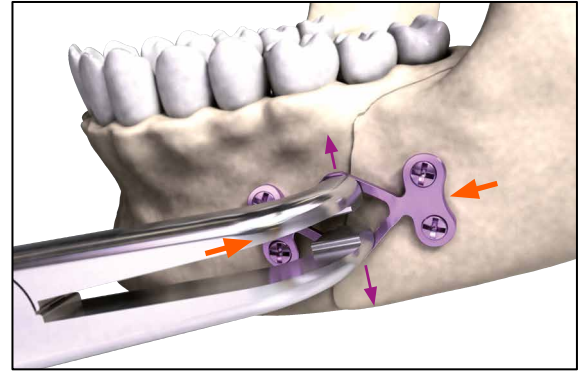
**PPA forceps**

Pince **distractive** permettant d'**allonger** les plaques



**PPR forceps**

Pince **distractive** permettant de **raccourcir** les plaques



**Adjustment forceps for PRS4T & PRS4TL**

Action	Reference
Lengthen	PPA
Shorten	PPR



PPA

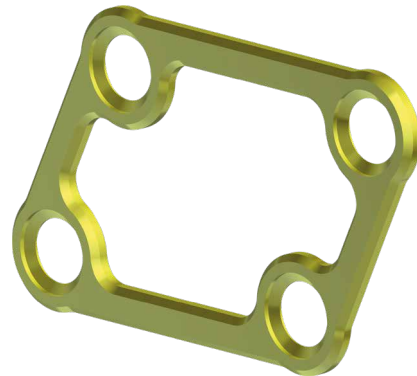


PPR



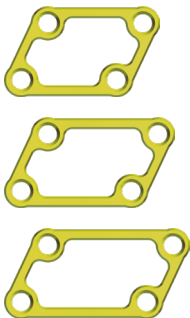
On-site adjustment plates for the mandible

- On-site deformable diamond
- Adjustable plate in three planes:
  - Horizontal adjustment: -3 mm to +5 mm
  - Vertical adjustment: -2 mm to +1 mm
  - Folding: +/- 5 mm
- Declination of lengths and identification colour code of the thickness

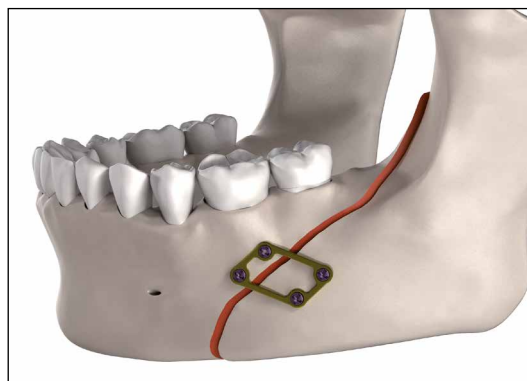


Diamond-shaped plates - 0.8 mm

0.8 mm



Colour code	Length	Rigidity	Ref. number
	short	+	PRD4TS
	medium		PRD4TM
	long		PRD4TL





## Anatomical mandibular plate on-site adjustment

**Dr. BEDHET anatomical mandibular plate - 0.8 mm**  
(CHP St Grégoire - Rennes)

<b>T60</b>	Colour code	Length	Max. over-hangin mm	Rigidity	Left side reference	Right side reference
		Short	8	++	PRS4TOS3D-L	PRS4TOS3D-R
		Medium	13		PRS4TOM3D-L	PRS4TOM3D-R
		Long	15		PRS4TOL3D-L	PRS4TOL3D-R

<b>T40</b>	Code couleur	Longueur	Avancée max. en mm	Rigidité	Référence côté gauche	Référence côté droit
		Short	8	+	PRS4TOS3DT40-L	PRS4TOS3DT40-R
		Medium	13		PRS4TOM3DT40-L	PRS4TOM3DT40-R
		Long	15		PRS4TOL3DT40-L	PRS4TOL3DT40-R

### Plates pusher



<b>Reference</b>
IPPNF



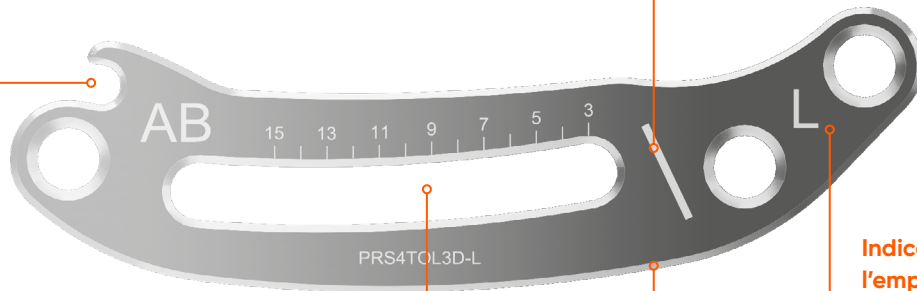
## On-site adjustment plates for the mandible

### Notch

used to correctly position the plate and the TMJ during osteosynthesis using a plate pusher  
\* Temporomandibular joint

### External valve front edge positioning marker

to correctly position the plate



### Indication du côté de l'emplacement de la plaque

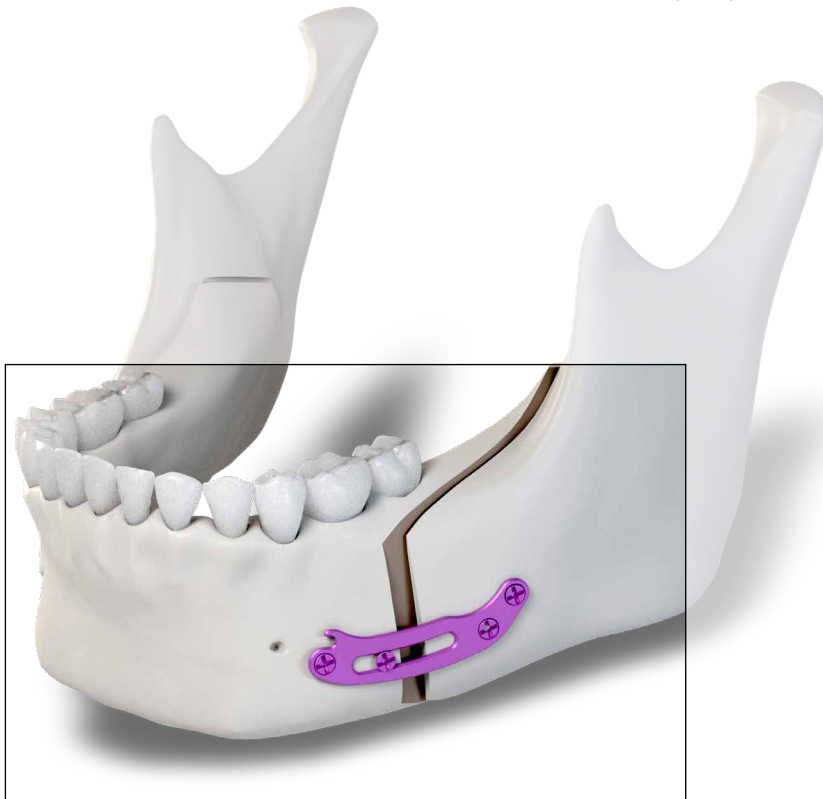
«L»: à placer sur le côté gauche  
«R»: à mettre sur le côté droit

### Slide marked in millimetres

to indicate and check the movement of the mandibular body

### Plaque d'épaisseur 0.8 mm

providing **optimal rigidity to maintain movement**, minimise post-operative jaw immobilisation and enable very early mobilisation of TMJs



\* non-contractual image

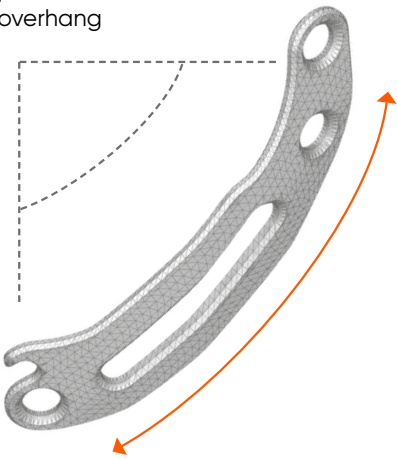


## Natural Fit Plate characteristics

The Natural Fit anatomical plate was designed with an initial 3D conformation enabling it to be effectively fitted to the external cortical bones of most types of mandible while minimising stress on TMJs (compression or twisting).

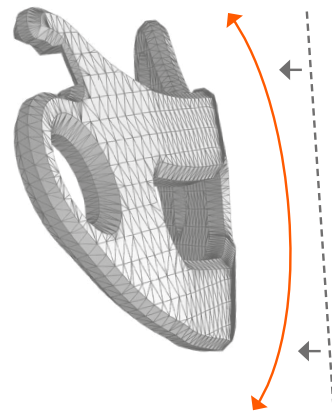
### Alignment of the 4 holes on the arc of a circle (arc-shaped line) to:

- Rotate the condyle on an hourly basis during osteosynthesis to prevent posterior compression of the TMJ
- Follow the shape of the basilar edge to minimise the problem of basilar notches in cases of significant overhang



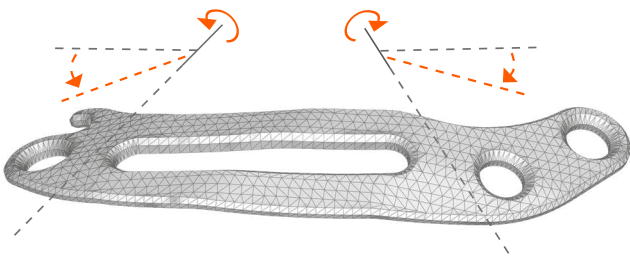
### Concave shape

For effective adaptation to the external cortical bone



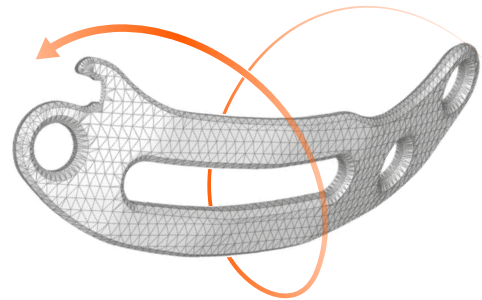
### Curved proximal and distal ends

Preventing stress on TMJs



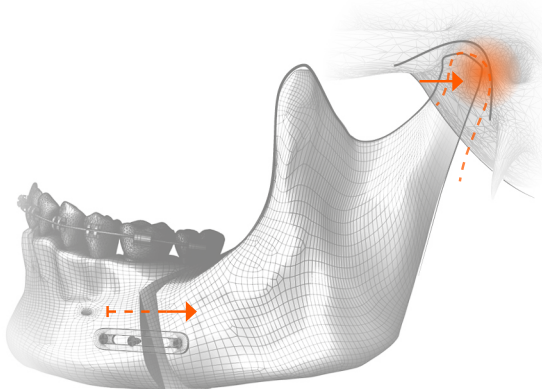
### Spiral conformation along long axis

Preventing stress on TMJs

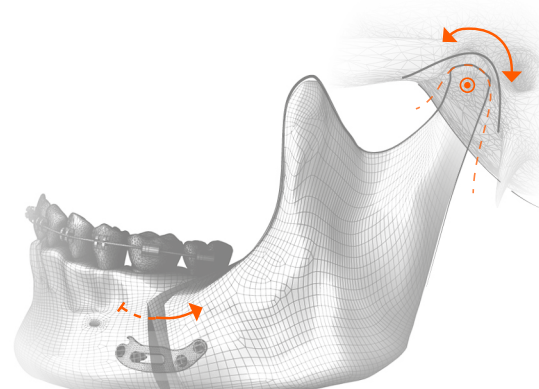


### The Natural Fit plate for on-site adjustment:

- Is adjustable at the osteosynthesis site without having to remove the material
- Enables optimal condylar positioning without compression during osteosynthesis



Standard plate



Natural Fit anatomical plate



On-site adjustment plates for the mandible

- Oblong hole allows occlusal adjustment
- Anteroposterior monovectorial adjustment



Slide plates - 1 mm T40

1 mm	Colour code	Length	Rigidity	Ref. number
		short	+	PRS4TOS
		medium		PRS4TOM
		long		PRS4TOL
		extra long		PRS4TOXL

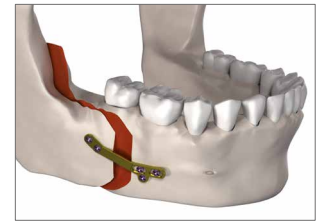
Slide plates - 1 mm T60

1 mm	Colour code	Length	Rigidity	Ref. number
		short	++	PRS4TOST60
		medium		PRS4TOMT60
		long		PRS4TOLT60
		extra long		PRS4TOXLT60



## On-site adjustment plates for the mandible

- Anatomical shape adapted to the external oblique line
- Transverse flexibility (condylar adaptation)
- Low vertical size
- Occlusal adjustment with reliable vector
- Locking screw
- Declination of lengths and color coding of thickness identification



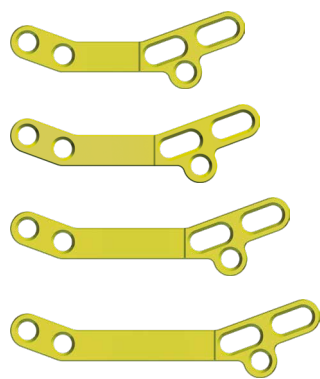
### Dr. BALOGH on-site adjustment plates - 1 mm on bridge

(1.2mm on the slide)

(Alpes-Belledonne Private Hospital - Grenoble, FRANCE)



1 mm

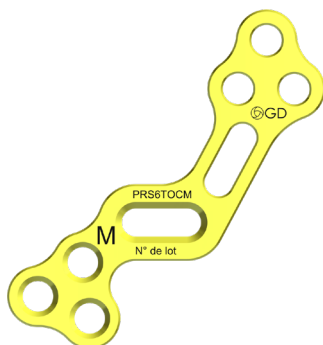


Colour code	Length	Rigidity	Ref. number
■	short	+	PRS5TOS
	Intermediate short		PRS5TOSI
	medium		PRS5TOM
	long		PRS5TOL

## On-site adjustment plates for short osteotomies

- Thickness 1mm for rigidity adapted to mandibular constraints
- 6 fixation holes for stable osteosynthesis
- A horizontal slide allowing on-site adjustment up to 5 mm

### On-site adjustment plates for short osteotomies



Colour code	Length	Rigidity	Ref. number	Slide length (mm)	Height H (in mm)
■	short	T40	PRS6TOCS	3	25,4
	medium		PRS6TOCM	4	26,6
	long		PRS6TOCL	5	27,7



## Mandibular plates



### Curved mandibular plates - 1 mm T60

1 mm	Colour code	Bridge	Rigidity	Ref. number
		medium	++	P6TCM
		long		P6TCL
		extra long		P6TCXL
		extra extra long		P6TCXXL

### I-shaped mandibular plates - 1 mm TA6V - T40

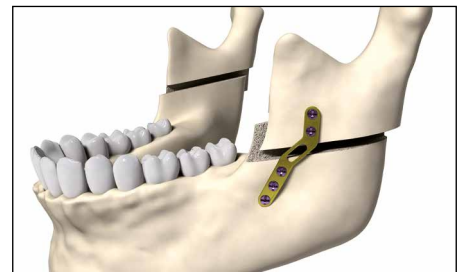
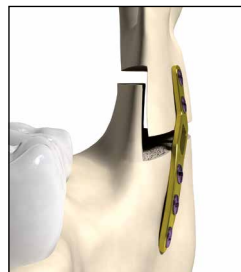
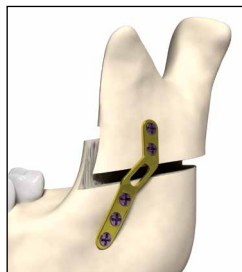
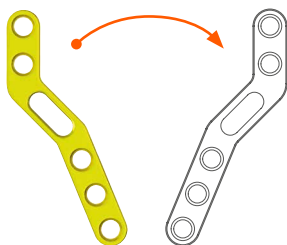
1 mm & 1 mm	Colour code	Bridge	Rigidity	Ref. number
		short	++	PI4T
			+	PI4T-2
		long	++	PI4TL
				PI4TL-2

### Dr. BAUER mandibular plate (for on-site adjustment) - 1 mm

(Dessau Hospital - GERMANY)

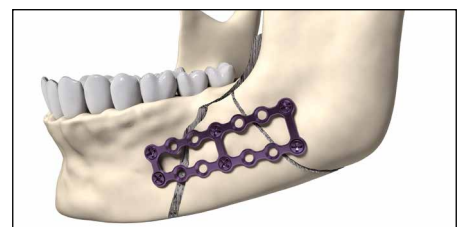
1 mm	Colour code	Rigidity	Ref. number
		+	PRB5T

Reversible mandibular plate for specific sagittal split



### Plate for "3rd fragment" (or "bad split") - 0.8 mm T60

0.8 mm	Code couleur	Rigidité	Référence
		++	P3F





## Genioplasty plates

### Genioplasty plates - 0.6 mm

- Declination of 7 bridge lengths



0.6 mm



Colour code	Bridge	Rigidity	Ref. number
■	3 mm	±	PGENIO3
	4 mm		PGENIO4
	5 mm		PGENIO5
	6 mm		PGENIO6
	8 mm		PGENIO8
	10 mm		PGENIO10
	12 mm		PGENIO12

### «Chin Wing» Genioplasty plates

Small size of the two horizontal anchorages that allow to avoid dental roots and the close nerve. In case of reduced space, anchorages facilitate the plate's positioning (in case of genioplasty and sagittal split at once).

Markings at the back that enable to guide the folding to reach an angulation of 90° to maintain the bottom osseous valve with the required spacing by a plan lean.

Bridge with a square section for an easy folding

2 Markings in the front that enable to guide the preparation of a hook to maintain the bottom osseous valve with the required spacing.

You have to put your hand around the plate to control when cutting. So as to hold back the fragment and avoid this one to fall on the patient's tissue.

Back view



## Mandibular trauma plates or minor reconstruction



### Trauma plates - 1.5 mm T40

1.5 mm	Colour code	Holes	Description	Rigidity	Ref. number
<p>PTA4T</p> <p>PTAL3-2T</p> <p>PTAR3-2T</p>		3 + 2	straight	++	PT3-2TM
		4			PT4T
		4			PT4TL
		4	angled		PTA4T
		3 + 2	left angled		PTAL3-2T
		3 + 2	right angled		PTAR3-2T

### Condylar fracture plates - 1 mm

1 mm	Colour code	Holes	Rigidity	Ref. number
<p>PC5T</p> <p>PC7T</p>		5	+	PC5T
		7		PC7T



### Symphysis fracture plate - 1 mm

1 mm	Colour code	Holes	Rigidity	Ref. number
		9	+	PTS9T



## Other plates

### Orbital plates - 0.6 mm



0.6 mm	Colour code	Holes	Rigidity	Ref. number
		4	±	PORB4T
		6		PORB6T
		8		PORB8T

### X, Y, T-shaped plates - 1 mm

1 mm	Colour code	Shape	Holes	Rigidity	Ref. number
		X	6	+	PX6T
		T			PT6T
		Y	5		PY5T

### Star-shaped plates - 0.6 mm

0.6 mm	Colour code	Holes	For trephine	Rigidity	Ref. number
		7	Ø7 mm	±	PETOIL7
			Ø10 mm		PETOIL10
			Ø14 mm		PETOIL14

### 3D square, rectangular plates - 0.6 mm & 1 mm

0.6 mm & 1 mm	Colour code	Dimension	Shape of the mesh	Holes	Rigidity	Ref. number
		14 x 11 mm	rectangular	4	±	P3D4TR
		14 x 14 mm	square	4		P3D4TC
		34 x 34 mm		16		P3D16TC
		53 x 34 mm		24		P3D24TC
		27 x 11 mm	specific	8	+	P3D8TM*
		30 x 11 mm				P3D8TL*
		33 x 11 mm				P3D8TXL*

\* Plates for on-site adjustment for specific split described on page 30

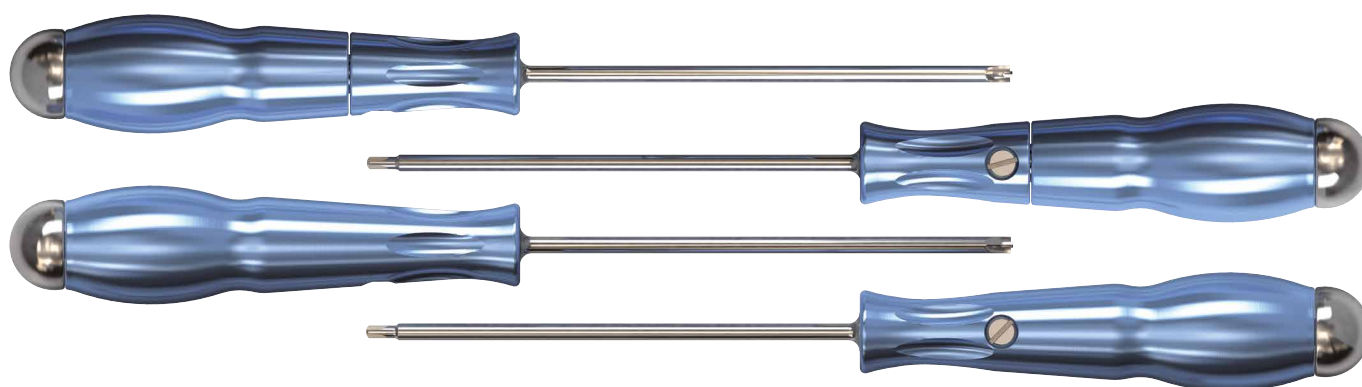
# ANCILLARY INSTRUMENTS



## Screwdrivers and shafts

### Self-retaining screwdriver, titanium handle

Scale 3/4	Handle	Screw head associated	Diameter of the associated screw	Handle reference	Shaft reference
	Mobile	hexa-drive	2 & 2.4 mm	MM2	AT2H-2
		cross-drive		MM2	AT2K-2
	Fixed	hexa-drive		MF2	AT2H-2
		cross-drive		MF2	AT2K-2



### Manche mobile pour axe autorétentif

Scale 3/4	Handle	Ref. number
	Mobile	MTM

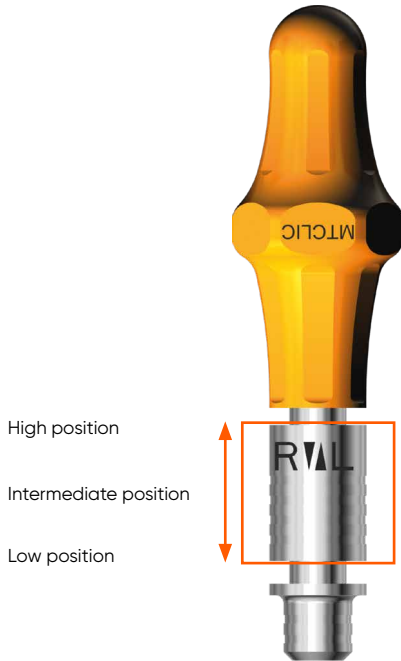


### Axes de tournevis autorétentifs amovibles

	Shaft	Screw head associated	Colour of the associated screw	Diameter of the associated screw	Compatibility	Ref. number
	Long	cross-drive	Yellow	2 & 2.4 mm	transbuccal Global D	ALT2K-2
		hexa-drive	Purple			ALT2H
	Extra long	cross-drive	Orange		all types of transbuccal	AXLT2K-2

## Screwdrivers and shafts

### Mobile handles ratchet screwdrivers for self-retaining shaft\*



The ratchet function allows you to screw or unscrew **without reducing the pressure** on the screw to take up the handle of the screwdriver in hand.

Ergonomic, the handle ratchet screwdriver **has 3 positions**:

- **Ratchet in position L** (marker in high position when screwing): unscrewing on the left
- **Ratchet in the middle** (intermediate position): screwing without ratchet function (fixed screwdriver)
- **Ratchet in position R** (marker in low position when screwing): screwing on the right

Scale  
3/4



	Total length	Ref. number
	11,5 cm	MTCLIC
	13 cm	MTCLIC-XL

\* Compatible with mobile screwdriver shafts page 35

## Screwdrivers and shafts




### HANDLE FOR FRITZMEIER\* SCREWDRIVER

	Description	Ref. number
	90° contra-angle	MTCA



\* Medical device manufactured by W & H Dentalwerk Bürmoos GmbH (CE0297)

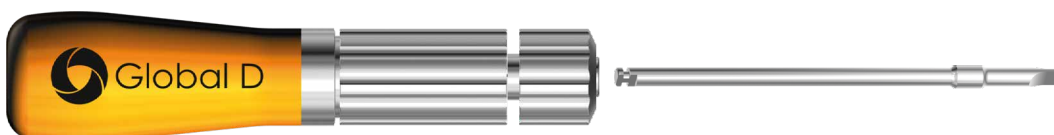
### SHAFT FOR FRITZMEIER\* SCREWDRIVER

	Description	Screw head associated	Colour of the associated screw	Diameter of the associated screw	Ref. number
	extra-short shaft	Cross-drive 		2 & 2.4 mm	ACT2KS-MTCA

\* See drill bit for FRITZMEIER screwdriver page 39

### Disassembly screwdriver

Scale 3/4	Description	Handle reference	Shaft reference
	flat tip		ALT2P



## Forceps



### Modeling forceps\*

Shape	Ref. number
Plate	PPM
3 têtes	P3T-2



PPM



P3T-2



\* Medical device manufactured by Kohdent Roland Kohler Medizintechnik Gmbh & Co KG and distributed by Global D

### Cutting pliers\*

Ref. number
I4241



\* Medical device manufactured by MEDLANE and distributed by Global D

### Positioning instrument for ORTRAUTEK plates

Ref. number
IPP



### Holding forceps\*

Ref. number
PPH-2



\* Medical device manufactured by Kohdent Roland Kohler Medizintechnik Gmbh & Co KG and distributed by Global D

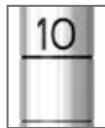
## Drill bits



### Drill bits

	Colour ring	Diameter of the associated screw	Colour code of the associated screw	Drill stop	Total length	Ref. number	
		2 mm self-drilling		5 mm	50 mm	FO1.2B5	
				8 mm		FO1.2B8	
		2 mm standard & 2.4 mm		5 mm		105 mm	FO1.4B5
				8 mm			FO1.4B8
				20 mm			FO1.4B20
				15 mm			FO1.5B15
				20 mm	FO1.5-105*		

\* Only for use with the transbuccal TRANSJ2XS page 40



Zoom engraving: reading of the drilling depth directly on the TRANSJ2S transbuccal drill, page 40

### DRILL BIT FOR FRITZMEIER SCREWDRIVER

	Diameter of the associated screw	Colour code of the associated screw	Drill stop	Total length	Ref. number
	2 mm autoforeuse		8 mm	16 mm	FO1.3B8-MTCA **
			6 mm		FO1.4B6-MTCA **

\*\* Only compatible with the FRITZMEIER screwdriver

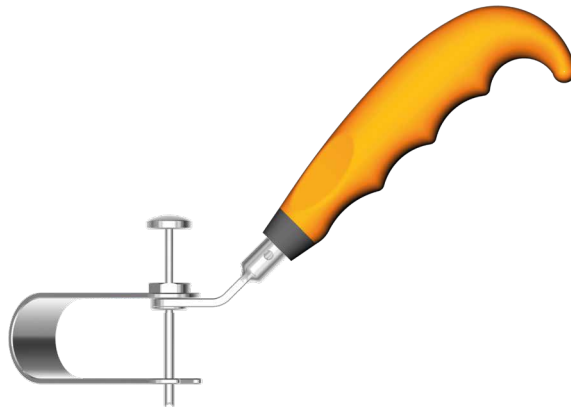
## Transbuccal

### Reference

TRANSJ2XS

Composed of 3 elements:

- 1 handle
- 1 cheek retractor
- 1 punch



- Protruding points at the end of the tube for improved bone support and enabling perfect visibility during drilling and screwing
- A specific drill bit enables the depth of transbuccal drilling to be gauged: FO1.5-105 page 39
- Reduced tube's diameter
- Ergonomic handle in silicone
- Adjustment drill's diameter to the tube's diameter for a centered drilling



### Guidelines for use:

- For use with the FO1.5-105 for all 2 and 2.4 mm diameter screws
- Compatible with the mobile MTM handle and the removable screwdriver shafts page 35

## The concept

To meet your expectations and the requirements for traceability, Global D provides an ergonomic sterile packaging solution.

We provide a selection of the most commonly used combinations of osteosynthesis plates and screws, specifically designed for maxillofacial surgery.

**i** List of existing combination on request.

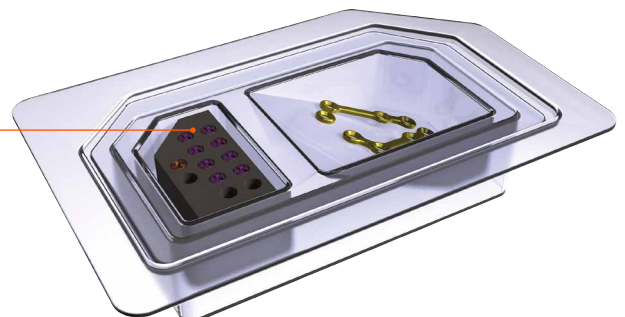


## The pack

Each pack can hold one or several plates.

**The screw holder** is packed inside the lidded double blister and can hold up to 12 screws.

This system enables an easy and secure self retaining prehension of the screws.



## The advantages

### Traceability

The information concerning manufacturing, product reference and batch number is easily identifiable.

Each pack contains **4 self-adhesive labels** specifically designed for the clinic/hospital and patient medical files. All the information is therefore preserved enabling reliable and effective traceability of the implanted products.



### Simplicity & Ergonomy

- The "ready-to-use" solution of sterile products
- Optimisation of preparation costs (cleaning, disinfection, sterilisation)
- Ease of handling and storage optimisation
- Clear and legible labelling
- **Adhesive tapes** under the pack for stable fixation to the table enabling easy impaction of the screws



### Safety

- Double packaging, sterilised using gamma rays
- Sterilisation indicator
- ISO 13485 certification
- CE marking
- Traceability via batch number

The products presented are CE-marked class I, IIa and IIb Medical Devices intended for healthcare professionals in Cranio-Maxillo-Facial Surgery. They are intended for cranio-maxillofacial bone stabilization and fixation during osteosynthesis and the bone consolidation period. The CE conformity assessment was carried out by GMED (CE0459).

Please consult the instructions for use before use.

The instructions for use are available in electronic form. A QR code and a URL link can therefore be found on the device label. The paper instructions for use are nevertheless available on simple request to the following address: [quality@globald.com](mailto:quality@globald.com) and at no extra charge within 7 days.

The medical devices shown may not be available for sale in all countries. In case of doubt, or for any further information, please contact the Global D sales department.

Some products presented are manufactured by other manufacturers and distributed by GlobalD. These products are Class I, Ir, and IIa and are CE marked by their respective manufacturers in accordance with Regulation (EU) 2017/745 and/or Directive 93/42/EEC.



# NOTES

A series of horizontal dotted lines spanning the width of the page, intended for writing notes.

# DOMAINES D'ACTIVITÉ FIELDS OF APPLICATION

**Implantologie** | Implantology  
**Chirurgie orale** | Oral surgery  
**Chirurgie pré-implantaire** | Pre-implant surgery  
**Chirurgie orthognathique** | Orthognathic surgery  
**Chirurgie reconstructrice** | Reconstructive surgery  
**Chirurgie traumatologique de la face** | Facial trauma surgery  
**Chirurgie carcinologique** | Cancer surgery  
**Cranio-chirurgie** | Craniomaxillofacial surgery  
**Orthodontie** | Orthodontics  
**Formation** | Training



**Global D**  
ZI de Sacuny  
118 Avenue Marcel Mérieux  
Brignais - France  
Tél. +33 (0)4 78 56 97 0  
fax +33 (0)4 78 56 01 63  
[www.globald.com](http://www.globald.com)

MC-ORTHAUTEK-EN-ED1-26  
CATALOG-0098-V02-03