

**Global D
Therapeutic
arsenal**

ORTRAUTEK



Orthognathic surgery and traumatology



Partner for your surgery

Global D, the product of SERF® (1973) and tekka® (2000) joining forces, is a French company specialised in the design, manufacturing and sale of medical devices intended for dental, orthodontic and maxillofacial surgery.

With more than **18 years of clinical and manufacturing** experience in maxillofacial surgery, Global D is now the **top French company** in this area.

With our R&D department providing our clients with continuous improvements, we collaborate with surgeons to design innovative product ranges.

Our mission is to help surgeons to work better and to optimize patient care.

ORTRAUTEK

ORTRAUTEK is 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 mandible.

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**.



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



CSTE*

Sterilisation container for the ORTRAUTEK range



PANIER_INOX_PERMAF*

Instruments tray for the ORTRAUTEK range



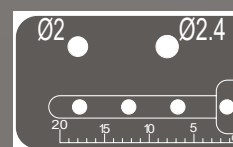
ITRAU

Insert for traumatology surgery



IORTH

Insert for orthognathic surgery



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

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EASYTEK: The simplicity of sterile instrumentation

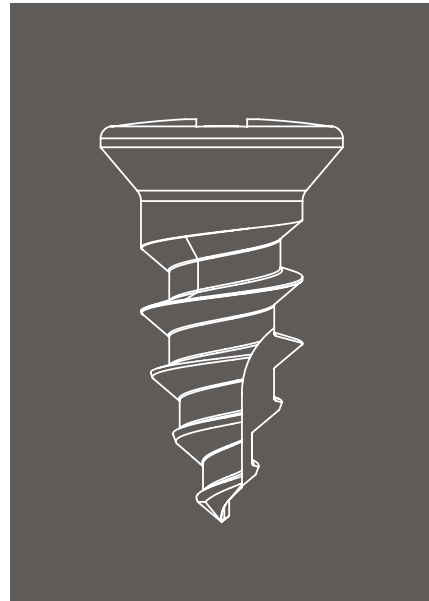
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Technical specificities

A self-drilling screw thread

Global D, with its extensive experience in maxillofacial surgery gained over the past 18 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	
	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	

rigidity

↑

+

+

++

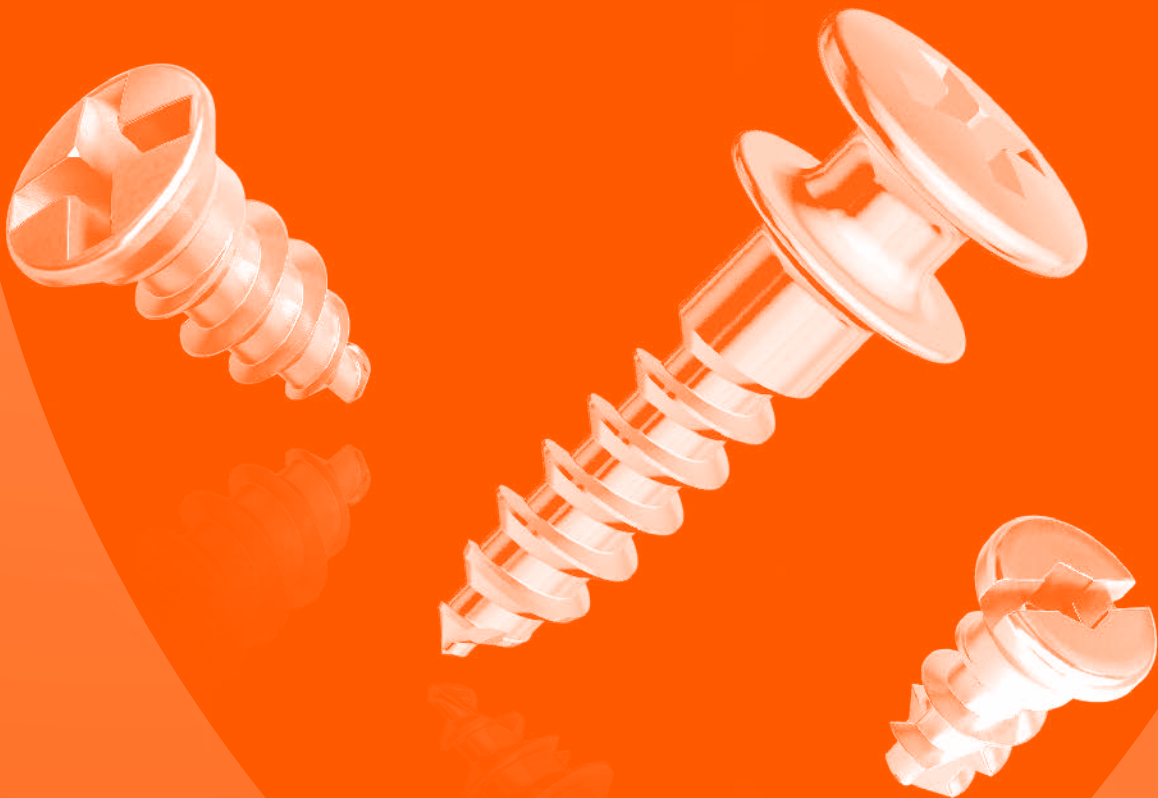
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Screwing torque

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
	Ø2.4 mm	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	 2.4 mm	Cross-drive ref. number
 		5	V2.4HL5	 	V2.4KL5
		7	V2.4HL7		V2.4KL7
		9	V2.4HL9		V2.4KL9




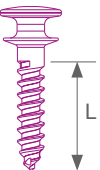

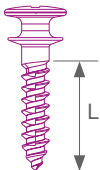

Intermaxillary fixation screws

- 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




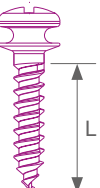


Self-drilling intermaxillary fixation screws

Hexa-drive or cross-drive - Ø 2 mm

	2 mm	Colour code	Length (mm)	Hexa-drive ref. number		2 mm	Cross-drive ref. number
			7	VBA2HL7			VBA2KL7
			9	VBA2HL9			VBA2KL9

Self drilling intermaxillary rounded screws

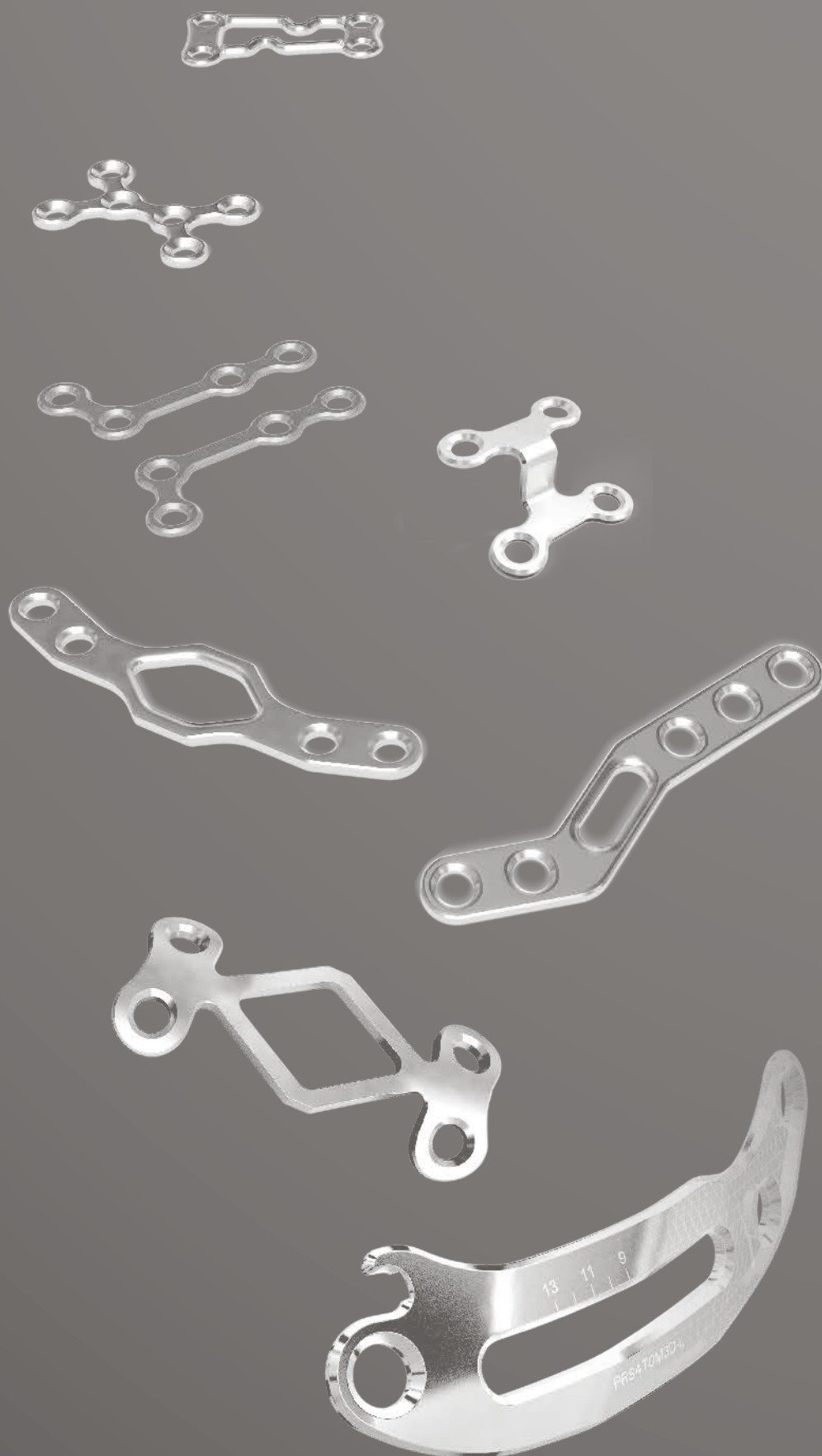
cross-drive - Ø 2 mm

	2 mm	Colour code	Length (mm)	Hexa-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

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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



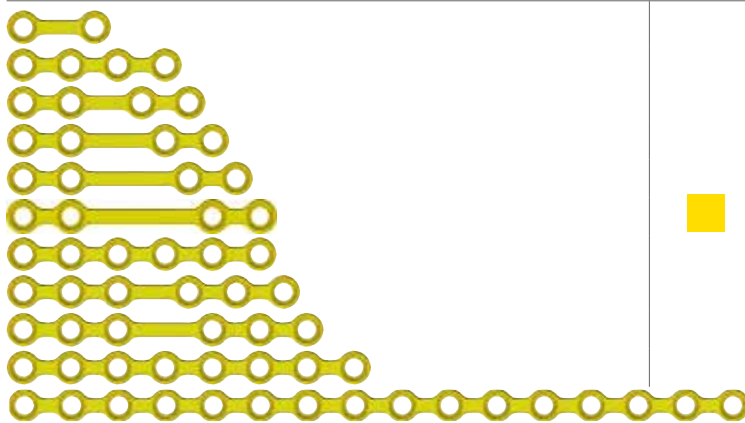
Straight plates

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



Straight plates - 1 mm

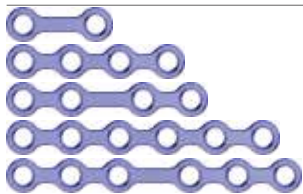
1 mm



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

Straight plates - 0.8 mm

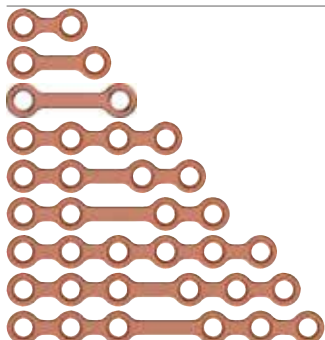
0.8 mm



Colour code	Holes	Bridge	Rigidity	Ref. number
	2	medium	+	P2TM08
	4	bridge-less		P4T08
		medium		P4TM08
	6	bridge-less		P6T08
		medium		P6TM08

Thin straight plates - 0.6 mm

0.6 mm

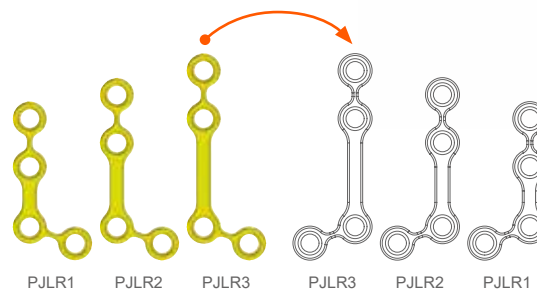


Colour code	Holes	Bridge	Rigidity	Ref. number
	2	bridge-less	±	PF2T
		medium		PF2TM
		long		PF2TL
	4	bridge-less		PF4T
		medium		PF4TM
		long		PF4TL
	6	bridge-less		PF6T
		medium		PF6TM
		long		PF6TL



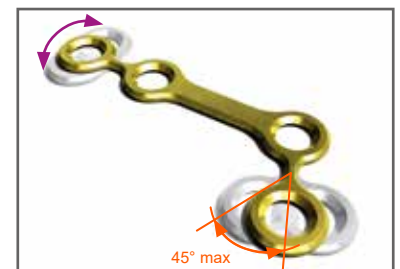
Le Fort I plates

- 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	Colour code	Bridge	Rigidity	Ref. number
		small bridge	+	PJLR1
		medium bridge		PJLR2
		long bridge		PJLR3



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

(Cèdres Clinic - Echirolles)

0.8 mm	Colour code	Bridge	Rigidity	Ref. number
		short	+	PMT4TS
		medium		PMT4TM
		long		PMT4TL

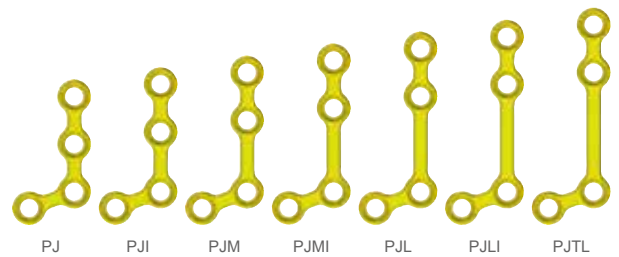
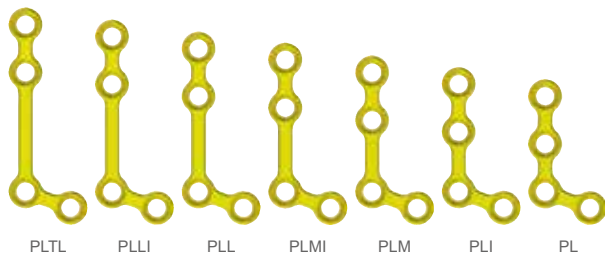


- Compact plate with reduced spacings (close holes), ideal for small maxillary
- Centering on the canine pillar is facilitated because the volume is minimal




L & J-shaped plates

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



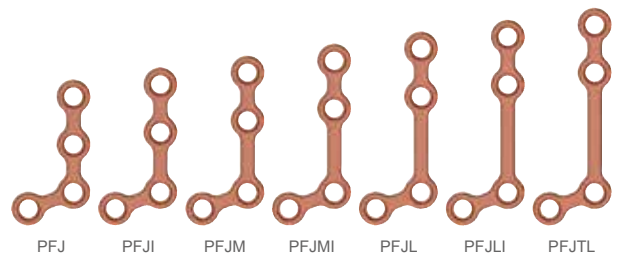
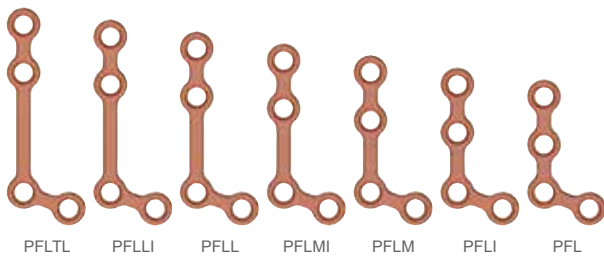
L & J-shaped plates - 1 mm

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



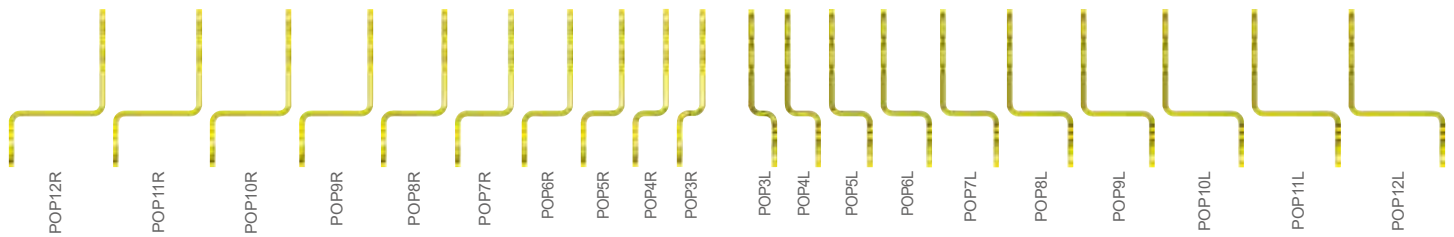
Thin L & J-shaped plates - 0.6 mm

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		PFLTL	PFJTL






Pre-shaped Le Fort I plates

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



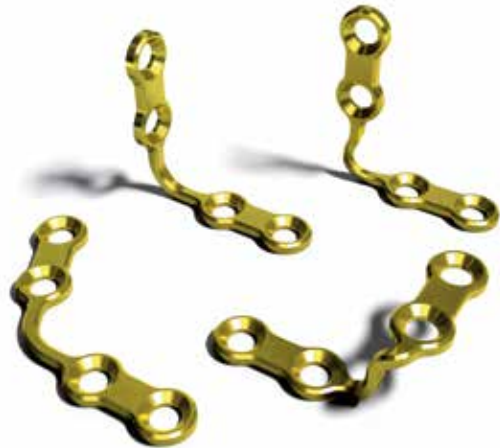
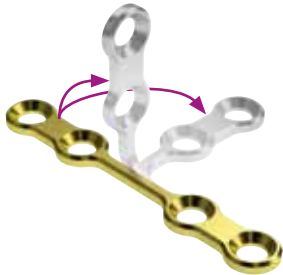
Pre-shaped Le Fort I plates - 0.8 mm

0.8 mm Right	Colour code	Bridge	Rigidity	Ref. number R	0.8 mm Left	Ref. number L
		3 mm	+	POP3R		POP3L
		4 mm		POP4R		POP4L
		5 mm		POP5R		POP5L
		6 mm		POP6R		POP6L
		7 mm		POP7R		POP7L
		8 mm		POP8R		POP8L
		9 mm		POP9R		POP9L
		10 mm		POP10R		POP10L
		11 mm		POP11R		POP11L
		12 mm		POP12R		POP12L



Narrow bridge plates for the maxilla

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



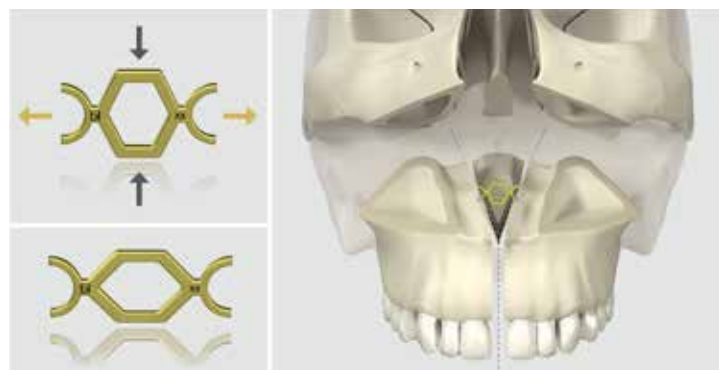
Prof. BOUTAULT plates - 1 mm
(Purpan University Hospital - Toulouse, FRANCE)

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

Retaining plate of the transverse direction

- 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	Ref. number
		+	PDM



Forceps for retaining plate of the transverse direction

Reference	<ul style="list-style-type: none"> ▪ Bit specially designed to welcome the summits of the plate hexagon ▪ Adapted size to the small and deep operating site
IPDISJ	

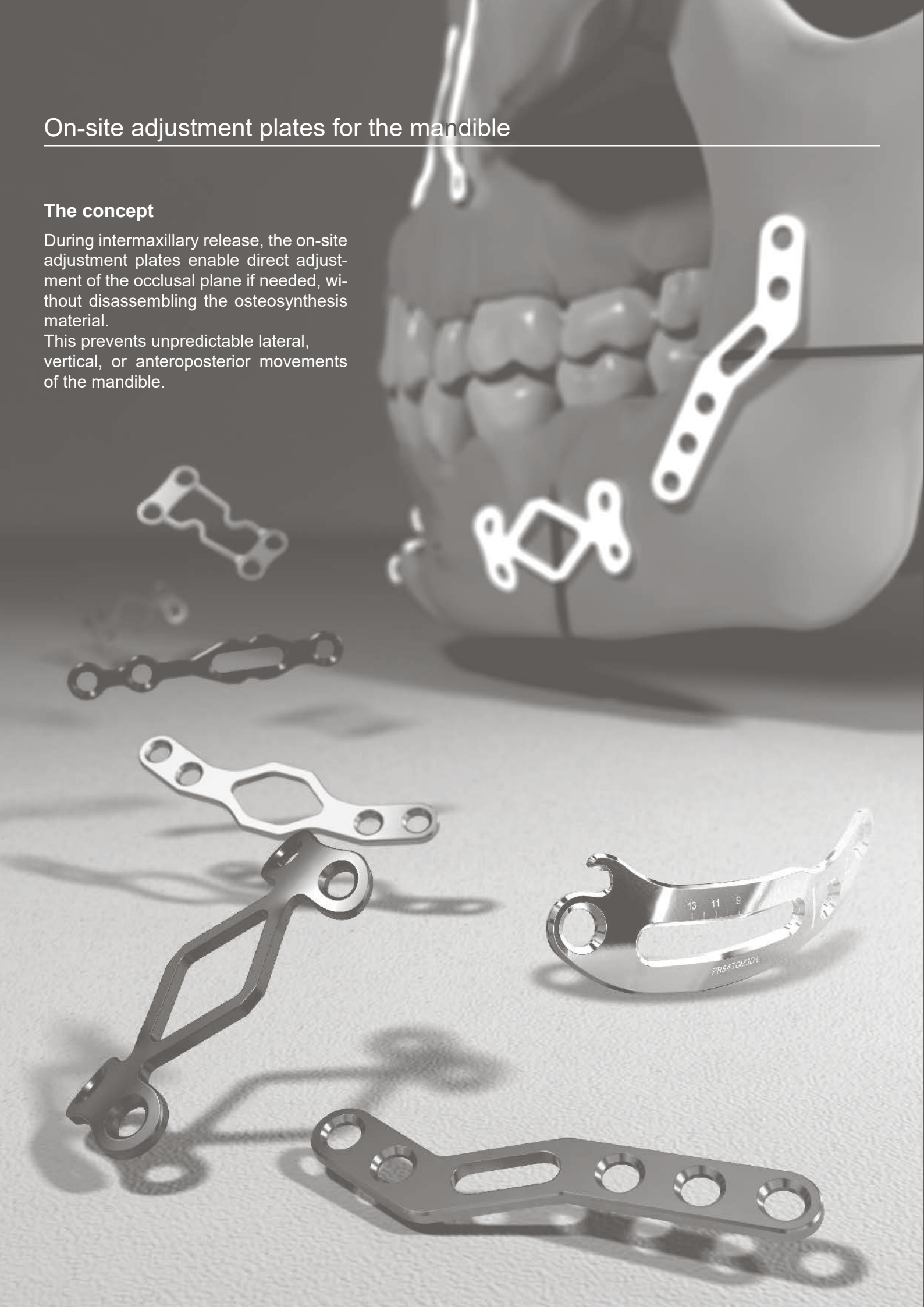


On-site adjustment plates for the mandible

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. CRESSEAU on-site adjustment plate - 1 mm 
(Jean Mermoz Private Hospital - Lyon, FRANCE)

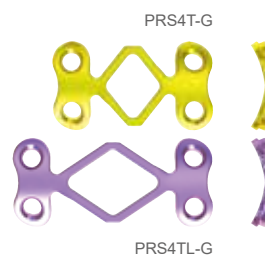
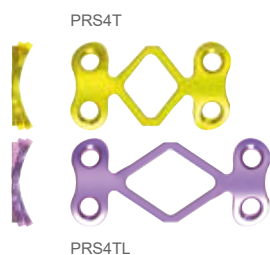
1 mm	Colour code	Length	Rigidity	Ref. number
		short	+	PRCS





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**
(Jules Verne Private Hospital - Nantes, FRANCE)

1 mm & 1 mm

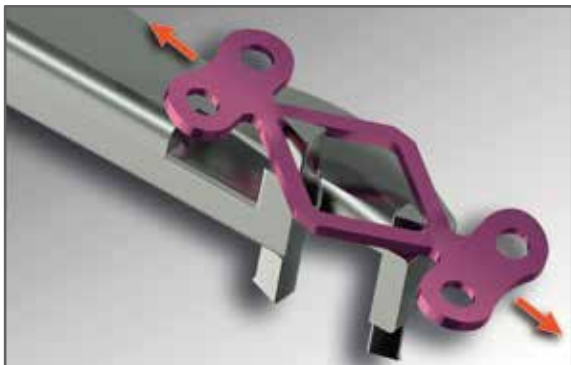
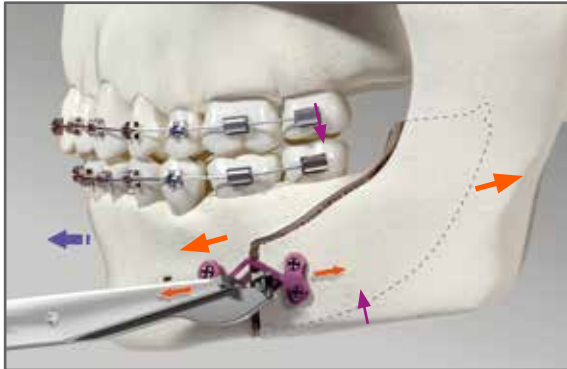
Colour code	Side	Length	Rigidity	Ref. number
	right	short	+	PRS4T
	left			PRS4T-G
	right	long	++	PRS4TL
	left			PRS4TL-G



Specific adjustment forceps for PRS4T & PRS4TL

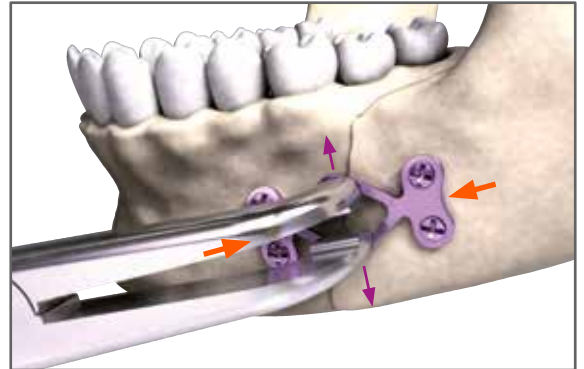
PPA forceps

Distractive forceps enabling plate **lengthening**



PPR forceps

Distractive forceps enabling plate **shortening**



Adjustment forceps for PRS4T & PRS4TL

Action	Reference
Lengthen	PPA
Shorten	PPR

PPA



PPR





On-site adjustment plates for the mandible

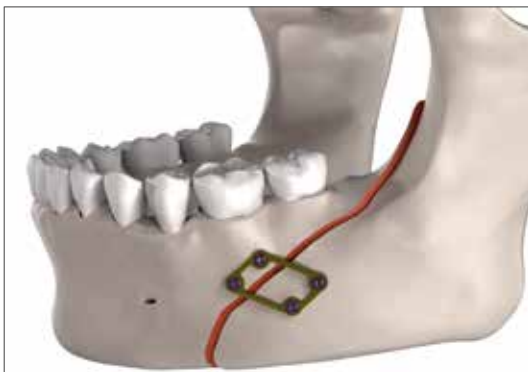
- On-site deformable diamond
- Adjustable plate in three planes:
 - Horizontal adjustment: -3 mm to +5 mm
 - Vertical adjustment: -2 mm to +1 mm
 - Folding: +/- 5 mm

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








On-site adjustment plates for the mandible

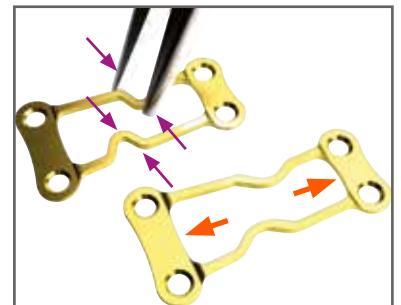
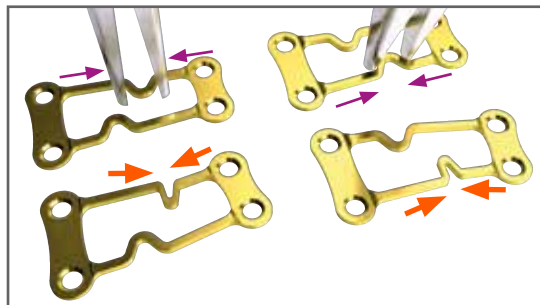
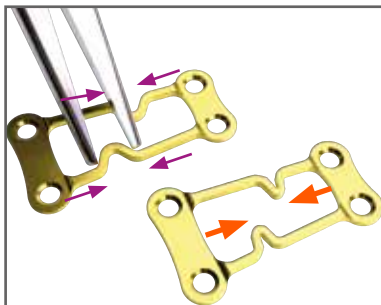
- Frame and loop for on-site shaping
- Length of adjustment +/- 2 mm
- Variable thickness for easier placement
- Bivectorial adjustment (anteroposterior and vertical)
- Plate adjustment using “wire-twister” type pliers (diagram below)
- Square section on the frame enabling easier folding



Dr. SABOYE on-site adjustment plates - 1 mm on bridge 
(0.6 mm on support plate)

(Médipôle Garonne - Toulouse, FRANCE)

1 mm	Colour code	Length	Rigidity	Ref. number
 		short	+	PRV-S
		long		PRVL





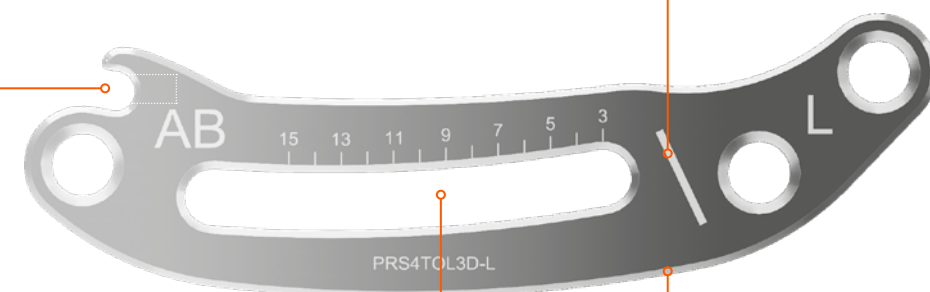
Anatomical mandibular plate on-site adjustment

Notch

used to correctly position the plate and the TMJ during osteosynthesis using a plate pusher

External valve front edge positioning marker

to correctly position the plate



Slide marked in millimetres

to indicate and check the movement of the mandibular body

Plate, 0.8 mm thick


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

Dr. BEDHET anatomical mandibular plate - 0.8 mm

(CHP St Grégoire - Rennes)


T60



Colour code	Length	Max. over-hang in 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

T40



Colour code	Length	Max. over-hang in mm	Rigidity	Left side reference	Right side reference
	Short	8	+	PRS4TOS3DT40-L	PRS4TOS3DT40-R
	Medium	13		PRS4TOM3DT40-L	PRS4TOM3DT40-R
	Long	15		PRS4TOL3DT40-L	PRS4TOL3DT40-R

Plates pusher



Reference

IPPNF

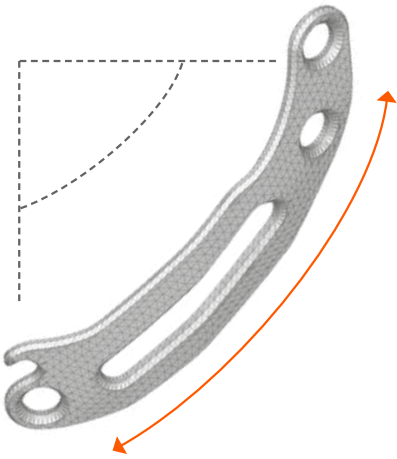


Natural Fit Plate characteristics

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).

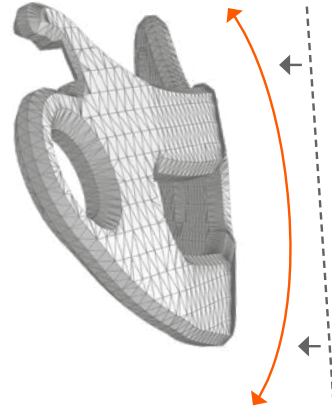
Alignment of the 4 holes on the arc of a circle (arc-shaped line) to:

- 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



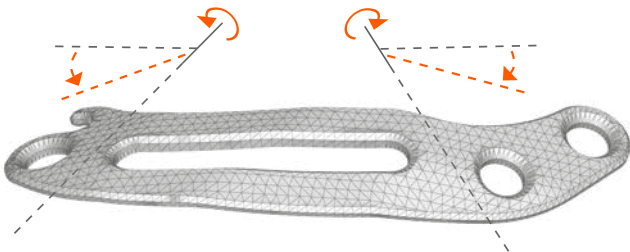
Concave shape

For effective adaptation to the external cortical bone



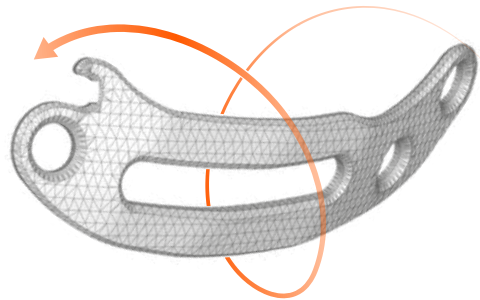
Curved proximal and distal ends

Preventing stress on TMJs



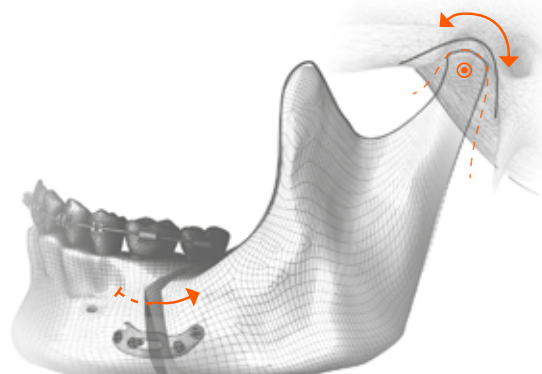
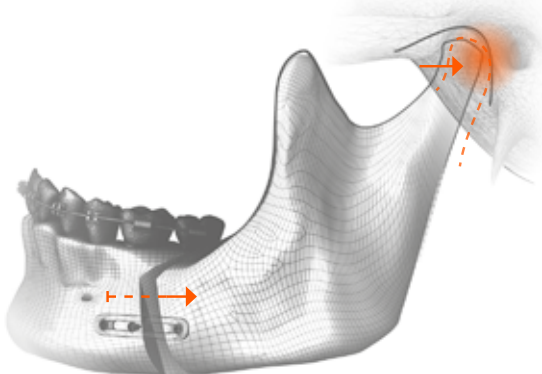
Spiral conformation along long axis

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

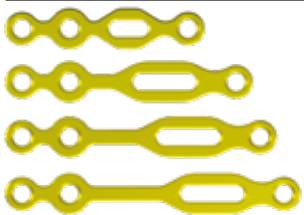



On-site adjustment plates for the mandible

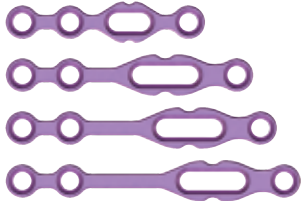

- Oblong hole allows occlusal adjustment
- Anteroposterior monovectorial adjustment



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

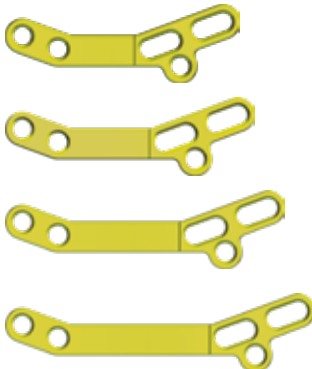

- Anatomical shape adapted to the external oblique line
- Transverse flexibility (condylar adaptation)
- Low vertical size
- Occlusal adjustment with reliable vector
- Locking screw
- Declination of lengths and color coding of thickness identification



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

(1.2mm on the slide)

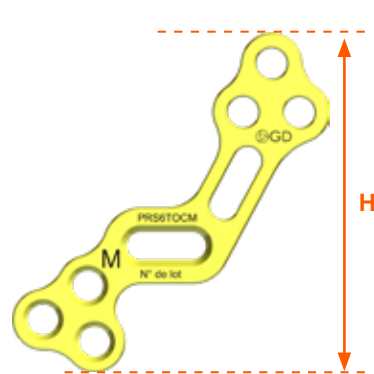
(Alpes-Belledonne Private Hospital - Grenoble, FRANCE)


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 - 1 mm



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

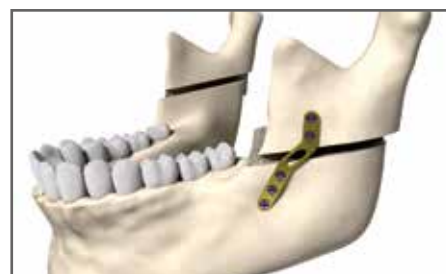
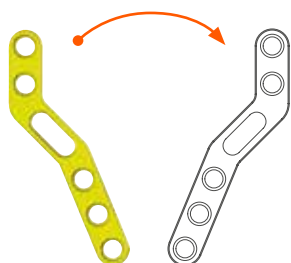
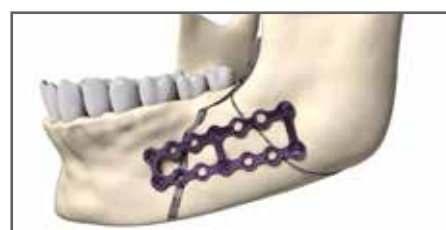


Plate for “3rd fragment” (or “bad split”) - 0.8 mm ——— T60

0.8 mm	Colour code	Rigidity	Ref. number
		++	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).



Bridge with a square section for an easy folding



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.



Back view

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.



«Chin Wing» plates - 0.8 mm

0.8 mm



Colour code	Bridge length	Rigidity	Ref. number	Height in mm
	Short	+ -	PGENIOWINGS	10,3
	Medium		PGENIOWINGM	13,5
	Long		PGENIOWINGL	16,7

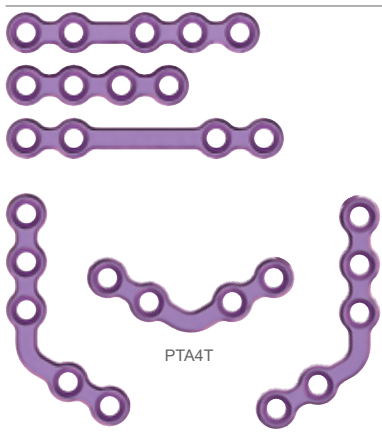

Chin Wing plate (references : PGENIOWINGS, PGENIOWINGM or PGENIOWINGL), must be used with VA1.5KL4 or VA1.5KL5 screws (or VA1.8KL5 emergency screws) to avoid lesions of the dental nerve. The Chin Wing plate must always be placed in association with a genioplasty plate.





Mandibular trauma plates or minor reconstruction



Trauma plates - 1.5 mm T40

1.5 mm	Colour code	Holes	Description	Rigidity	Ref. number
 PTAL3-2T PTAR3-2T		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
 PC5T PC7T		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	
<div><div><div>P3D4TR</div><div>P3D4TC</div></div><div><div>P3D8TM</div><div>P3D8TL</div><div>P3D8TXL</div></div></div>		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	
		81 x 52 mm		54	+	P3D54T	
		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

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





Ancillary instruments

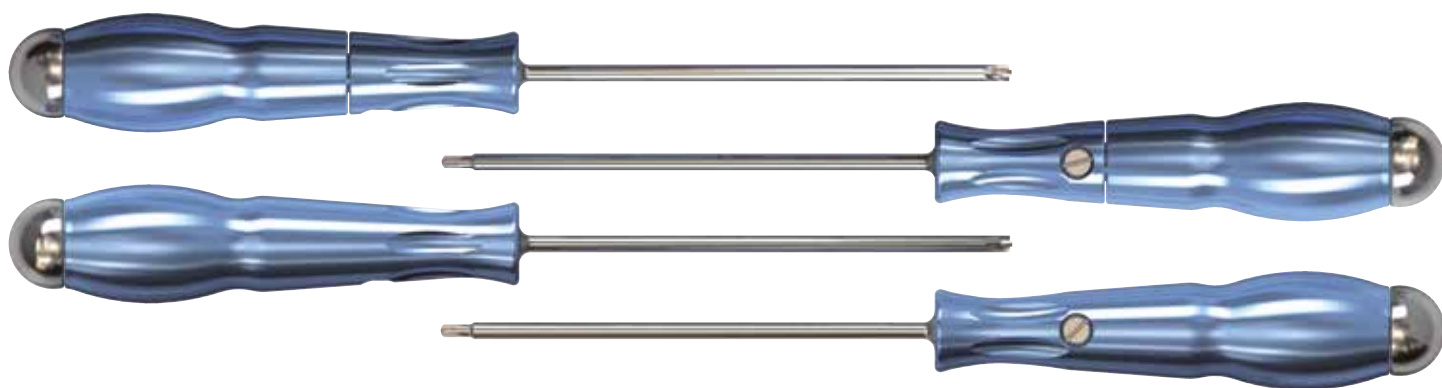


Screwdrivers and shafts

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







Mobile handle for self-retaining shaft

Scale 3/4

Handle	Ref. number
mobile	MTM



Removable screwdriver shafts

Shaft	Screw head associated	Colour of the associated screw	Diameter of the associated screw	Compatibility	Ref. number
long	cross-drive 		2 & 2.4 mm	transbuccal Global D	ALT2K-2
	hexa-drive 				ALT2H
extra long	cross-drive 			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

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



Forceps



Modeling forceps

Shape	Ref. number
flat	PPM
3-headed	P3T



PPM



P3T



Cutting pliers

Ref. number
I4241



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 according to Directive 93/42/EEC.

Drill bits



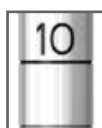
Drill bits

	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		FO1.4B5
				8 mm		FO1.4B8
				20 mm		FO1.4B20
				15 mm		FO1.5B15
				20 mm	105 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 self-drilling		8 mm	16 mm	FO1.3B8-MTCA **
			6 mm		FO1.4B6-MTCA **

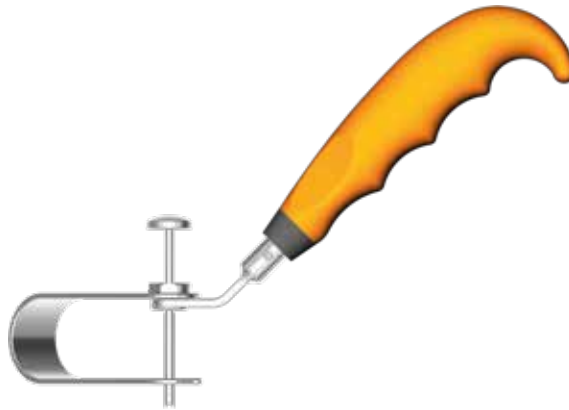
** Only compatible with the FRITZMEIER screwdriver

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.



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

These products are medical devices of class I, IIa or IIb and carry the CE marking in accordance with Directive 93/42/EEC. It is possible that medical devices presented are not available for sale in all countries. Please contact the sales department of Global D for more information on product availability.

Please check the instructions before use. If in doubt please contact the sales department of Global D.

The instructions may in some cases be dematerialized. For that, a QR code and a URL link are provided on the label of the device. Print instructions are still available for every request within 7 days. The request must be made to the following address: quality@globald.com

All our plates and screws can be anodized.



Fields of applications

Implantology
Pre-implant surgery
Orthognathic surgery
Reconstructive surgery
Facial trauma surgery
Tumor surgery
Cranio-facial surgery
Orthodontics
Training



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