

# Minitek Microtek

Craniofacial and  
neuro-surgery





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



**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.

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



**Made in FRANCE**

## Performance for your expertise

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### A commitment to service

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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

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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

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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 G-MED (a French notified body) to certify our quality system and our product lines.

ISO 13485 certification  
**CE** 0459

## MINITEK / MICROTEK

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a complete range for osteosynthesis and reconstruction of the upper two-thirds of the skull. It is in particular indicated for:

- Trauma surgery
- Closing of the cranial flaps after a neurosurgery
- Orthognatic surgery (maxillary)

The **MINITEK/MICROTEK** range can also be used for genioplasty only with the Chin Wing plate described page 10.

This is **an extensive range of different-shaped plates** and screws available in numerous different lengths, all **colour-coded** for easy identification.

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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, II, and IIa and are CE marked by their respective manufacturers in accordance with Regulation (EU) 2017/745 and/or Directive 93/42/EEC.

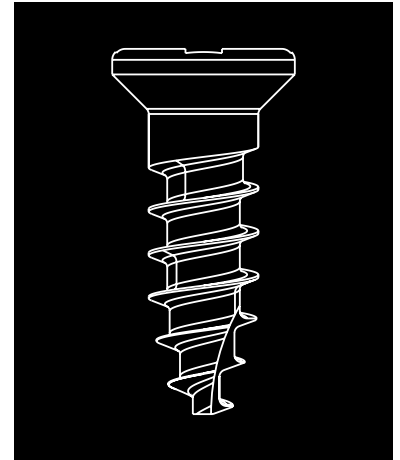
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## A self-drilling screw thread






**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 penetrate into the bone. In addition, the self-tap combined to the self-drilling thread sheds bone chips more easily, thereby improving screw penetration.



## Characteristics of the Minitek / Microtek range

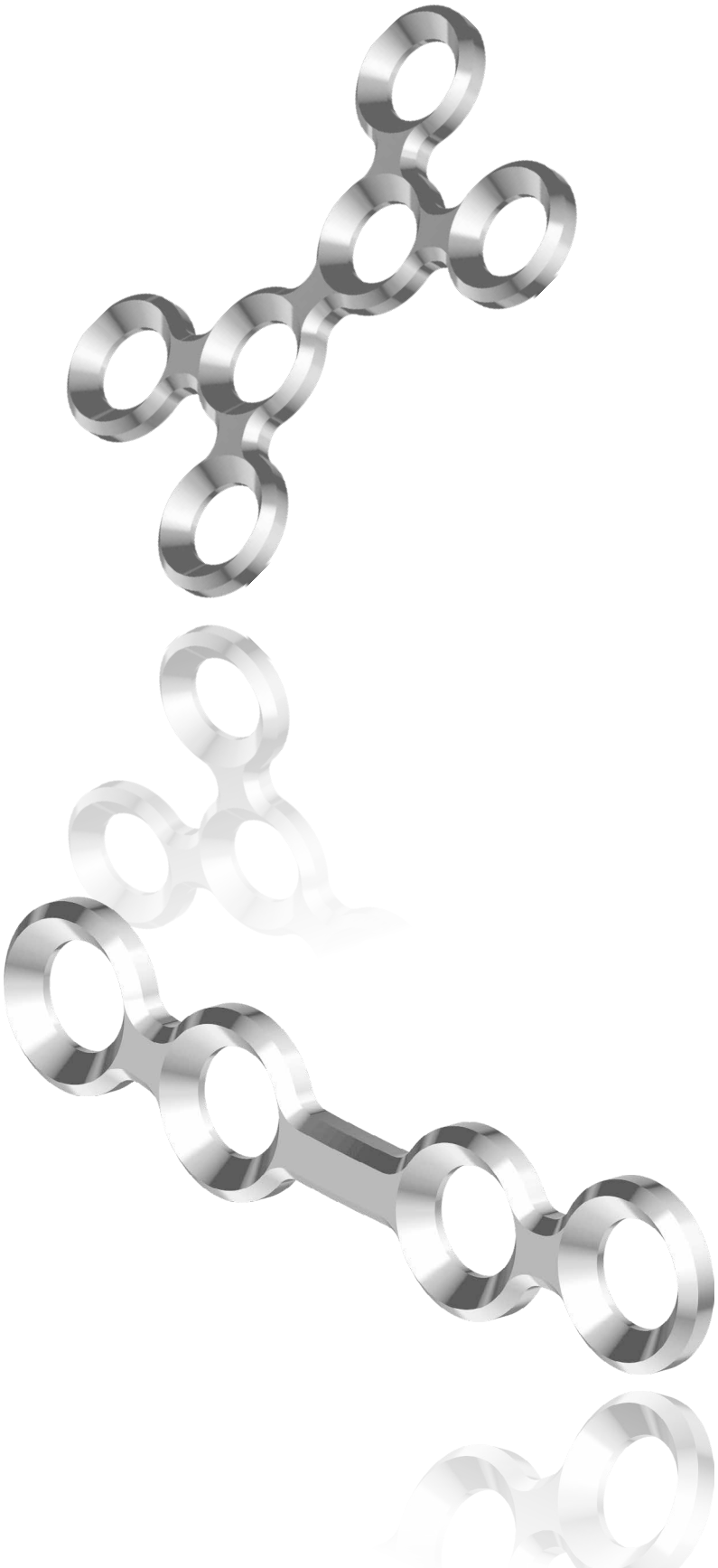
- The choice of two diameters of self-drilling screws Ø 1.2 mm and Ø 1.5 mm
- A single screwdriver
- Malleable T40 plates (Grade II titanium - ISO 5832-2) 0.2 mm, 0.4 mm or 0.6 mm thick and with a low plate/screw profile
- A wide range of plates shapes and meshes to cover all indications
- Self-drilling screws with an asymmetrical thread and wider wings for better primary bone fixation
- A compact, ergonomic container dedicated to the closing of the cranial flaps after a neurosurgery
- A colour code for each screw diameter and the associated plates:

		Associated colours
<b>Screws</b>	Self-drilling Microtek screws - Ø 1.2 mm	
	Self-drilling Minitek screws - Ø 1.5 mm	
	Emergency Minitek screws - Ø 1.8 mm	
<b>Plates</b>	Microtek plates	
	Minitek plates	

- The maximum authorized torque and the diameter of the emergency screw (in mm) to be used depending on the diameter of the initial screw (in mm) are:

	Ø Screw	Maximum torque	Ø Emergency screw
<b>Self-drilling</b>	Ø1.2	10N.cm	Ø1.5
	Ø1.5	18N.cm	Ø1.8
	Ø1.8	30N.cm	-

# MINITEK

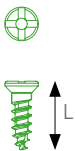


## Self-drilling screws

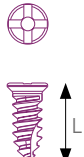

- Self-drilling thread
- No need for pre-drilling
- Colour code for identification of screw diameter
- Prehension shaft/screw head insured
- Stability during screwing



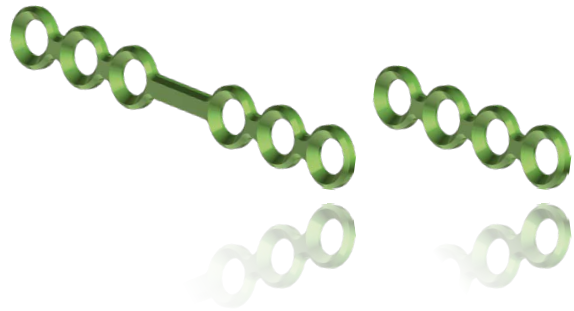
### Self-drilling cross-drive screws - Ø 1.5 mm

1.5 mm	Colour code	Length	Ref. number
		4	VA1.5KL4
		5	VA1.5KL5
		6	VA1.5KL6
		7	VA1.5KL7
		9	VA1.5KL9
		11	VA1.5KL11
		13	VA1.5KL13
		15	VA1.5KL15

### Emergency self-drilling cross-drive screws - Ø 1.8 mm

1.8 mm	Colour code	Length	Ref. number
		5	VA1.8KL5
		7	VA1.8KL7

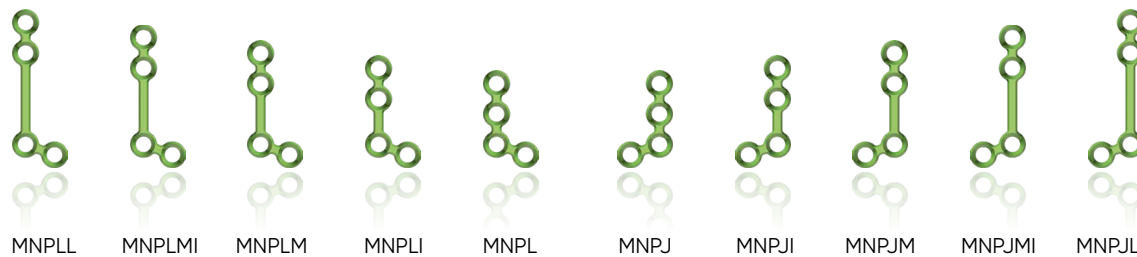
## Straight plates



### Straight plates - 0.6 mm

0.6 mm	Colour code	Holes	Bridge	Rigidity	Ref. number
	■	2	Medium	+ -	MNP2TM
			Long		MNP2TL
		4	Bridgeless		MNP4T
			Medium		MNP4TM
			Long		MNP4TL
		6	Bridgeless		MNP6T
			Medium		MNP6TM
			Long		MNP6TL
		8	Bridgeless		MNP8T
		16	Bridgeless		MNP16T

## L & J-shaped plates

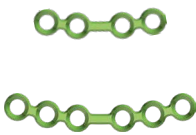



### L & J-shaped plates - 0.6 mm

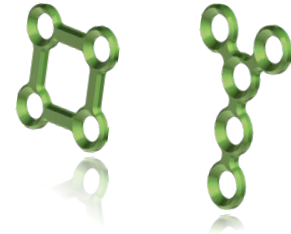
0.6 mm	Colour code	Bridge	Rigidity	Reference L	Reference J
■	■	Sans pont	+ -	MNPL	MNPJ
		Intermédiaire		MNPLI	MNPJI
		Moyen		MNPLM	MNPJM
		Moyen intermédiaire		MNPLMI	MNPJMI
		Long		MNPLL	MNPJL

## Orbital plates

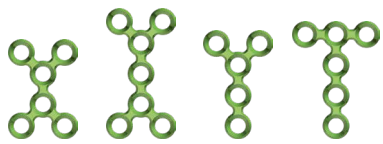

### Orbital plates - 0.6 mm

0.6 mm	Colour code	Holes	Rigidity	Reference
		4	+ -	MNPORB4T
		6		MNPORB6T



## Other plates



### X, Y, T-shaped plates - 0.6 mm



0.6 mm	Colour code	Shape	Holes	Rigidity	Reference
		X	6	+ -	MNPX6T
			7		MNPX7T
		Y	5		MNPY5T
		T	6		MNPT6T

### Star-shaped plate\* - 0.6 mm

0.6 mm	Colour code	Holes	For tréphine	Rigidity	Reference
		7	Ø10 mm	+ -	MNPETOIL10

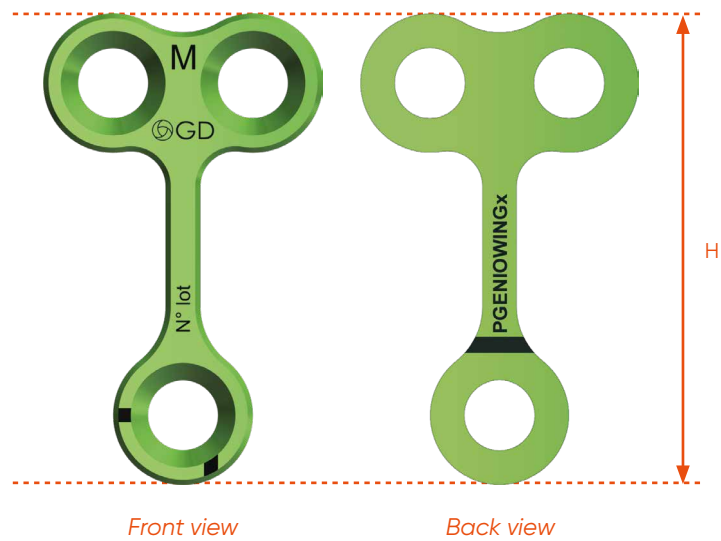
\* the star-shaped plate (reference: MNPETOIL10) is indicated solely for reconstructions of the upper third of the skull.

### 3D Square, rectangular plates - 0.6 mm




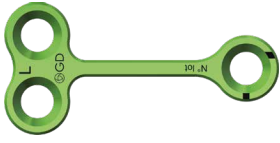
0.6 mm	Colour code	Shape of the mesh	Holes	Rigidity	Reference
		Carrée	4	+ -	MNP3D4TC
		Rectangulaire			MNP3D4TR

## «Chin Wing» genioplasty plates

- **Global size of the plate reduced**
- **Two horizontal anchorages** for the top valve and one for the bottom valve (optional)
- A bridge with a **square section** that enables an **easier folding**



### Chin Wing plate - 0.8 mm

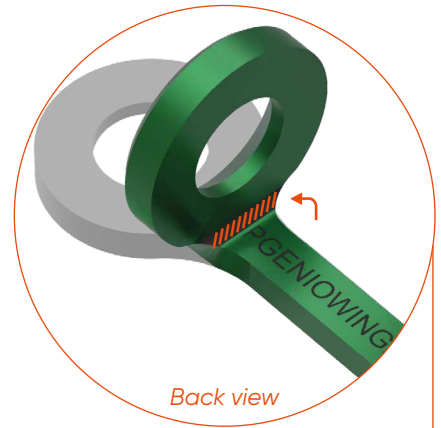
0.8 mm	Colour code	Bridge length	Rigidity	Ref. number	Height in mm
		Short	+ -	PGENIOWINGS	10,3
		Medium		PGENIOWINGM	13,5
		Long		PGENIOWINGL	16,7

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.

# MINITEK PLATES

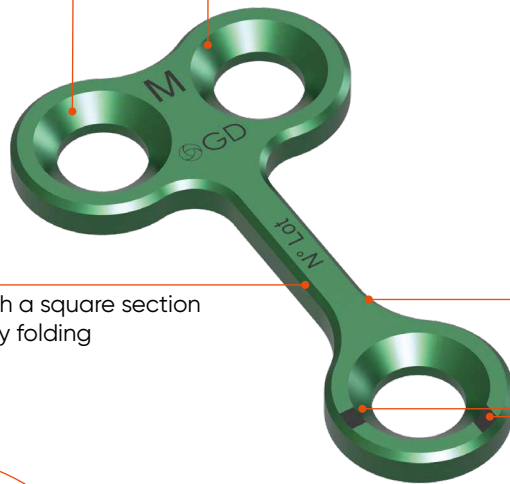
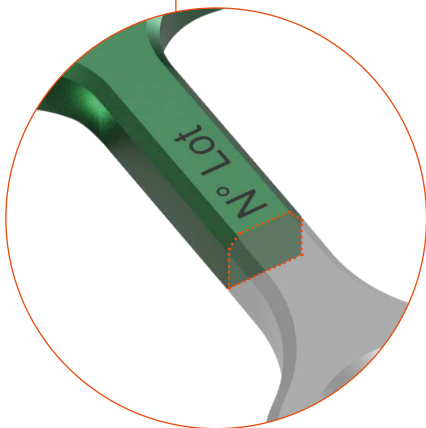


Small size of the two horizontal anchorages that allow to avoid dental roots and the close nerve.  
In case of reduced space, anchorages facilitate the plate's positioning (in case of genioplasty and sagittal split at once).



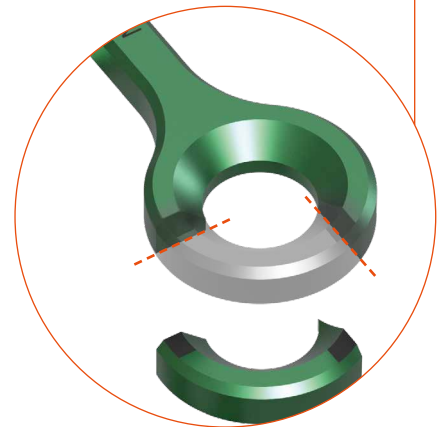
Markings at the back that enable to guide the folding to reach an angulation of 90° to maintain the bottom osseous valve with the required spacing by a plan lean.

Bridge with a square section for an easy folding

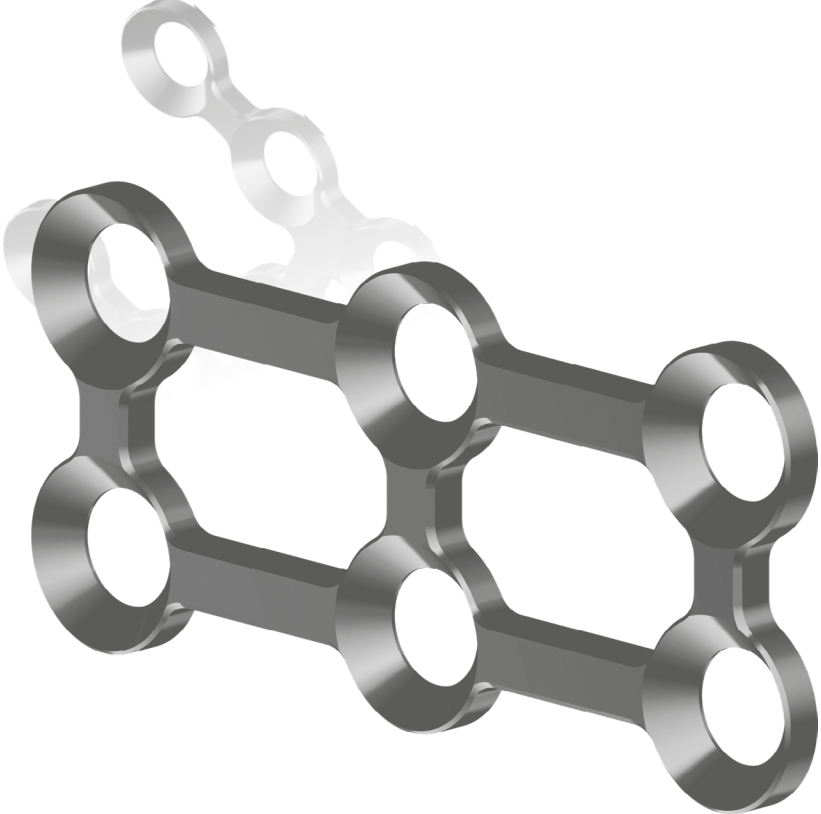
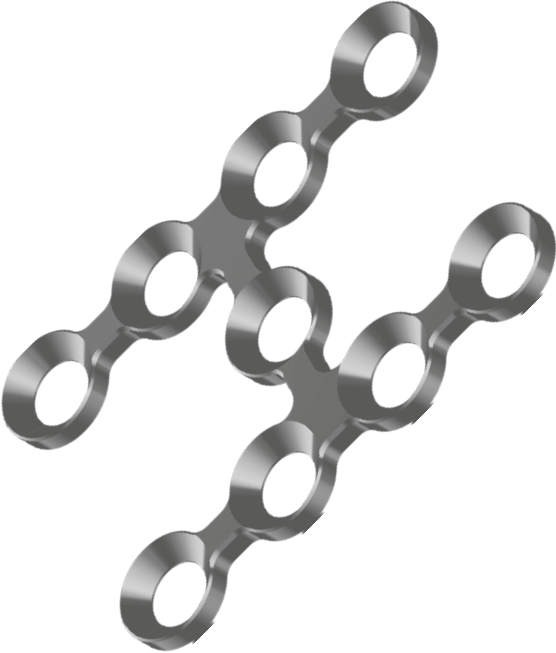


Markings in the front that enable to guide the preparation of a hook to maintain the bottom osseous valve with the required spacing.

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..



# MICROTEK



## Self-drilling screws

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



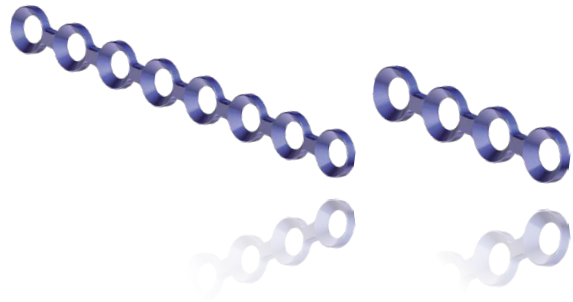
### Self-drilling cross-drive screws - Ø 1.2 mm

1.2 mm	Colour code	Length	Ref. number
		4	VA1.2KL4
		5	VA1.2KL5
		6	VA1.2KL6
		7	VA1.2KL7
		8	VA1.2KL8
		9	VA1.2KL9
		10	VA1.2KL10
		11	VA1.2KL11
		12	VA1.2KL12







### Emergency self-drilling cross-drive screws - Ø 1.5 mm

1.5 mm	Colour code	Length	Ref. number
		5	VA1.5KL5
		7	VA1.5KL7

## Straight plates




### Straight plates - 0.6 mm

0.6 mm	Colour code	Holes	Bridge	Rigidity	Reference
		4	Bridgeless	+ -	MCP4T
		6			MCP6T
		8			MCP8T
		16			MCP16T
		24			MCP24T

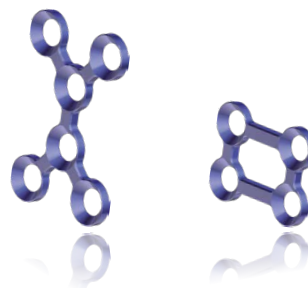
## L & J-shaped plates



### L & J-shaped plates - 0.6 mm

0.6 mm	Colour code	Bridge	Rigidity	Ref. number L	Ref. number J
		Bridgeless	+	MCPL5T	MCPJ5T
			-	MCPL7T	MCPJ7T


## Other plates



### Orbital plates - 0.6 mm

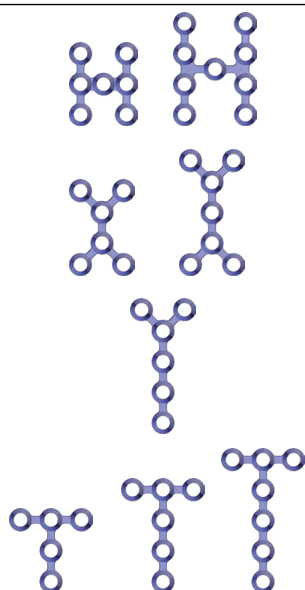
0.6 mm




Colour code	Holes	Rigidity	Reference
	8	+ -	MCPORB8T

### H, X, Y, T-shaped plates - 0.6 mm

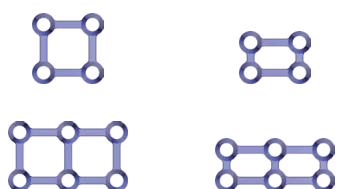
0.6 mm




Colour code	Shape	Holes	Rigidity	Reference
	H	7	+ -	MCPH7T
		9		MCPH9T
	X	6		MCPX6T
		7		MCPX7T
	Y	6		MCPY6T
	T	5		MCPT5T
		6		MCPT6T
		7		MCPT7T

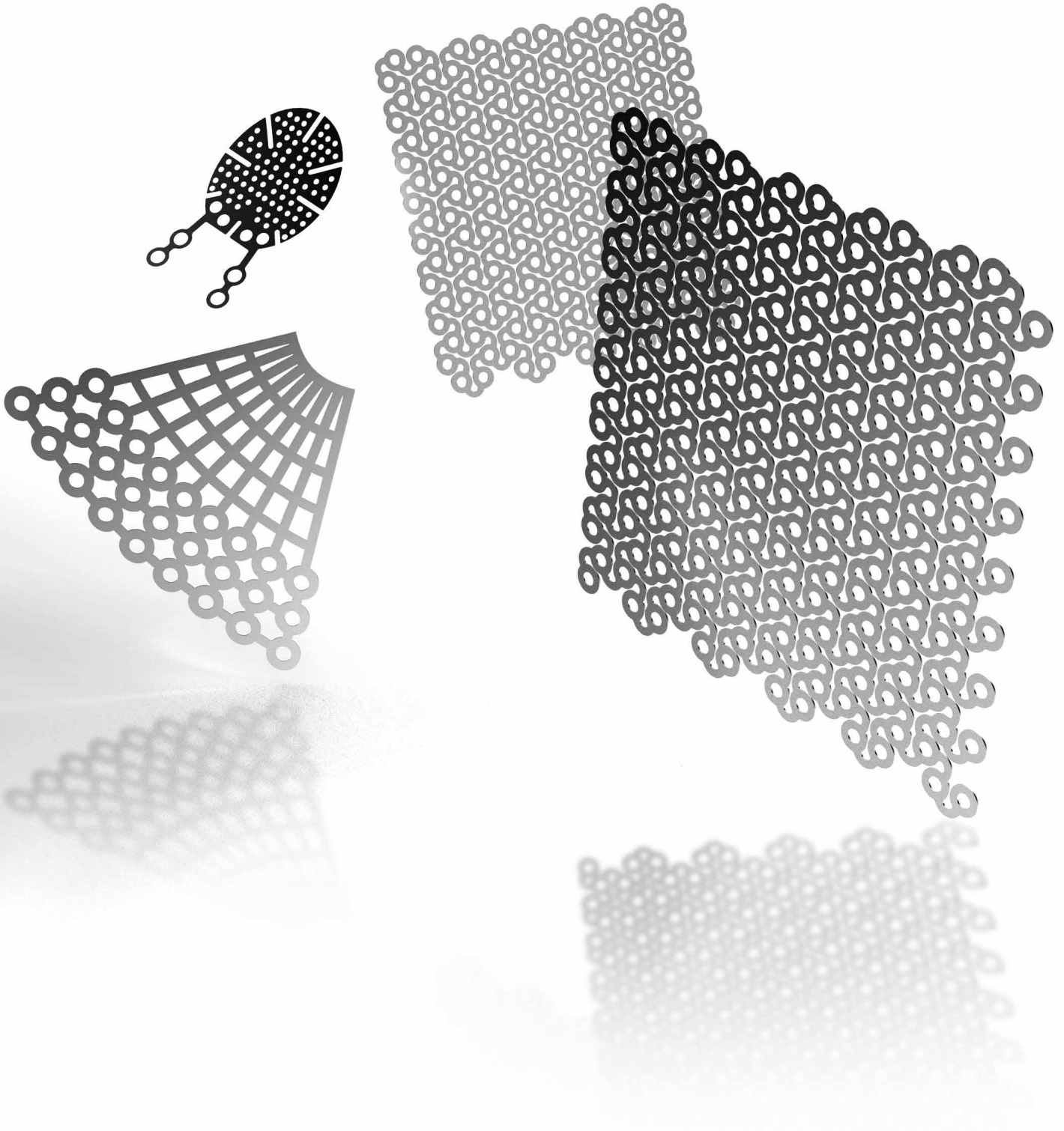
### 3D square, rectangular plates - 0.6 mm

0.6 mm



Colour code	Shape of the mesh	Holes	Rigidity	Reference
	Square	4	+ -	MCP3D4TC
	Rectangular			MCP3D4TR
	Square	6		MCP3D6TC
	Rectangular			MCP3D6TR

# TITANIUM MESH AND ORBITAL FLOORS



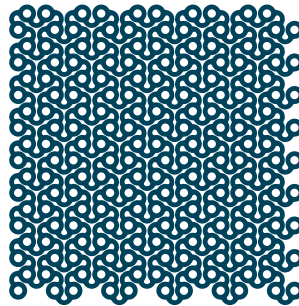
## Titanium Mesh

**Fine and strong meshes, easy to cut and shape** intraoperatively, providing optimal adaptation to the patient's anatomy.

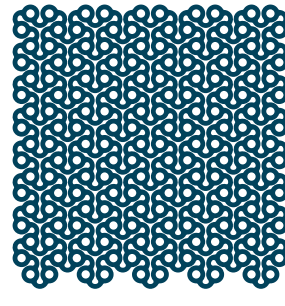
### Titanium Mesh - 0.4 mm thickness

Indications:

- Facial skeletal fractures
- Bone defects
- Post-traumatic / post-tumoral reconstructions
- Filling and support in complex reconstructions



65mm x 65mm  
(Réf. F0226346565S)



60mm x 60mm  
(Réf. F0226346060S)

Please check the availability of this solution in your country with your sales representative.

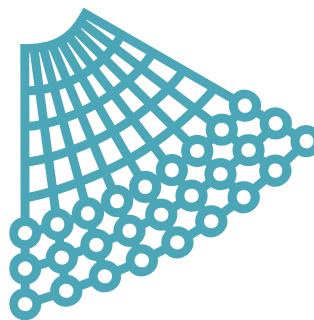
## Orbital Floor Implants

**Thin profile limiting implant volume, easy to shape and position.**

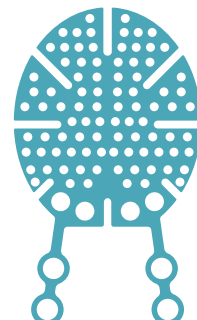
### Orbital Floors - 0.3 mm thickness

Indications :

- Orbital floor / medial wall fractures
- Post-traumatic reconstructions
- Post-tumoral bone defects
- Filling and support in complex reconstructions.



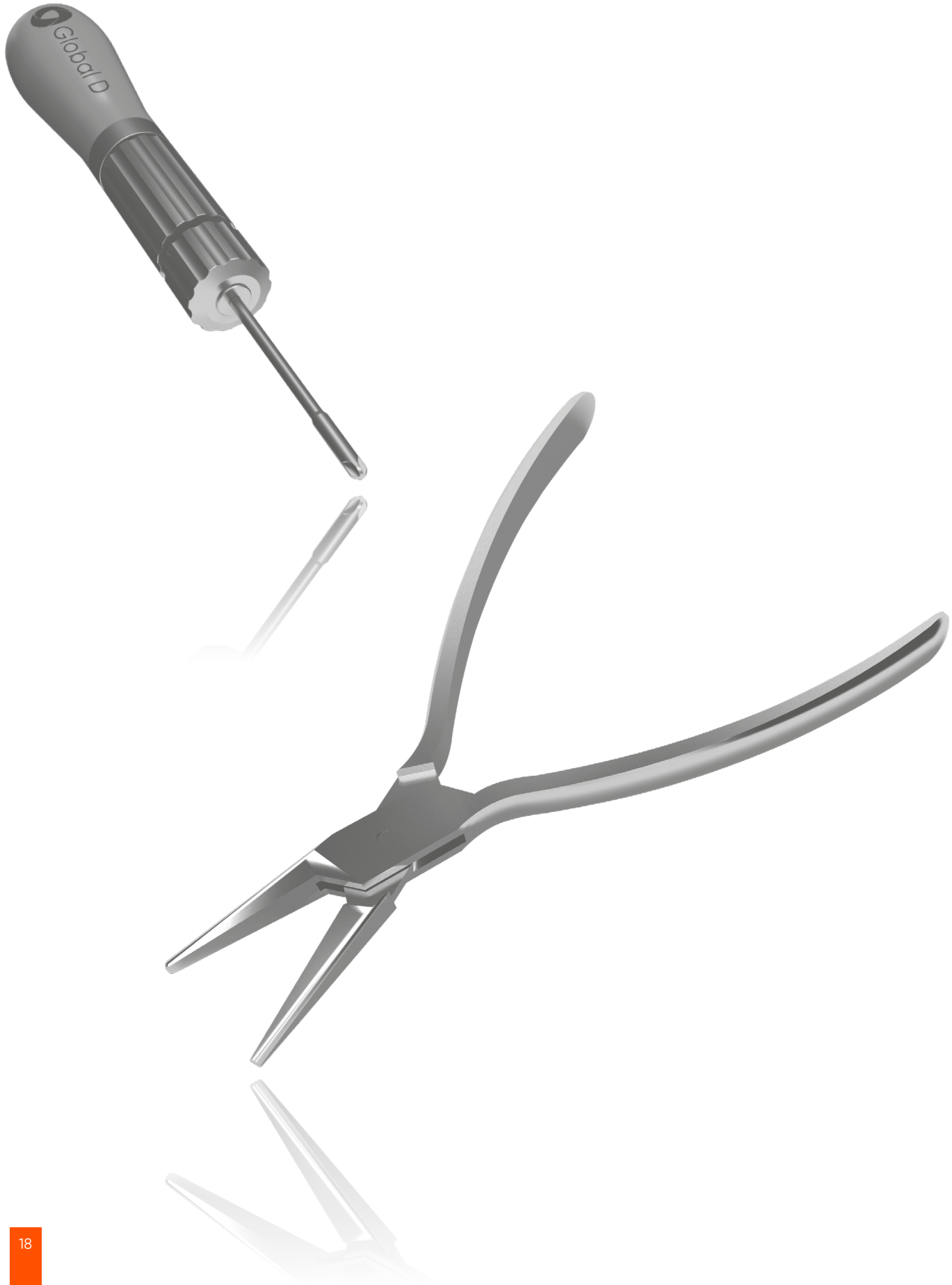
(Réf. 0050005001S)



(Réf. 0050005008S)

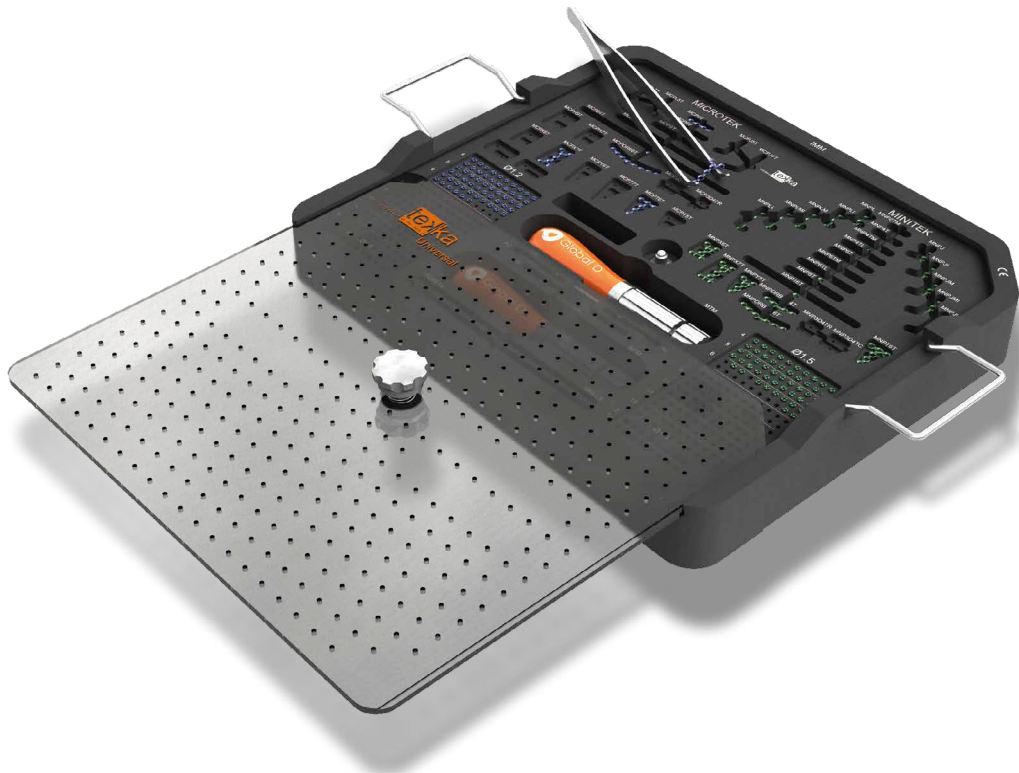
Please check the availability of this solution in your country with your sales representative.

# ANCILLARY INSTRUMENTS



## Containers

### Minitek / Microtek container - IMM



### Container dedicated to neurosurgery - CNEURO

#### Typical composition of CNEURO:

- Handles and shafts of the screwdriver
- Drill bits
- Star-shaped plate
- Minitek plates (straight, 3D square and rectangular, X, Y, T-shaped )
- Self-drilling Minitek screws  $\varnothing 1.5$  mm, length 4 and 5 mm
- Emergency Minitek screws  $\varnothing 1.8$  mm length 5 mm



## Screwdriver and shafts






### Mobile handle for self-retaining shaft

Scale 3/4



Handle	Ref. number
Mobile	MTM

### Removable and self-retaining screwdriver shafts

	Shaft	Screwdriver head associated	Colour of the associated screws	Diameter of the associated screw	Ref. number
	Short	Cross-drive		1.2 mm	ACT1K
	Long			1.5 mm	ALT1K
				1.8 mm	

## Forceps and scissors

### Modeling forceps

Scale 3/4



Shape	Ref. number
Flat	PPM*

### Holding forceps

Scale 3/4





Reference
PPH-2*



\* Medical devices manufactured by Kohdent Roland kohler medizintechnik GmbH & Co and distributed by GlobalD.

## Drill bits

### Standard drill bits

	Colour ring	Colour code of the associated screw	Diameter of the associated screw	Drill stop	Total length	Ref. number
	■	■	1.2 mm	5 mm	50 mm	FO0.8B5
				8 mm		FO0.8B8
	■	■ ■	1.5 mm 1.8 mm	5 mm		FO1.1B5
				15 mm		FO1.1B15

### Drill bits with dental tip

	Colour ring	Colour code of the associated screw	Diameter of the associated screw	Drill stop	Total length	Ref. number
	■	■	1.2 mm	9 mm	35 mm	FOS0.8
	■	■ ■	1.5 mm 1.8 mm	12 mm		FOS1.1

## 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.



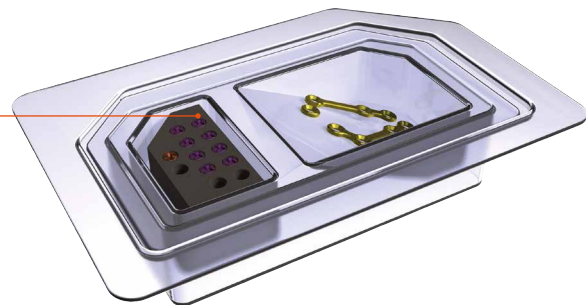
List of existing combinations on request.

## 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.



## A sterile pack dedicated to neuro surgery

- Specially dedicated to neurosurgery. This sterile pack (Ref. number ETMN2TL-Kx) is indicated for the closing of cranial flaps.
- It contains 3 Minitex straight plates 2 holes of 0.6 mm thickness and 6 self-drilling screws of Ø1.5 mm length 4 or 5 mm.
- In addition, only the mobile screwdriver handle and the self-retaining shaft are required in terms of instrumentation.

## The advantages

### Traceability

The information concerning manufacturing, product Ref. number and batch numbers 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 & Usability

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



### Security

- Double packaging, sterilized using gamma rays
- Sterilization 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.

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# 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



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