Global D Therapeutic arsenal

MINITEK - MICROTEK

Traumatology and reconstruction of the upper 2/3

tekka by GlobalD

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.

MINITEK / MICROTEK

MINITEK/MICROTEK 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.

Global D

Global D - ZI de Sacuny - 118 av. Marcel Mérieux - 69530 Brignais - FRANCE
tel. +33(0)4 78 56 97 00 - fax +33(0)4 78 56 01 63 - 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 G-MED (a French notified body) to certify our quality system and our product lines.

NF EN ISO 13485

ISO 13485 certification
CE 0459

Introduction

Minitek

Microtek

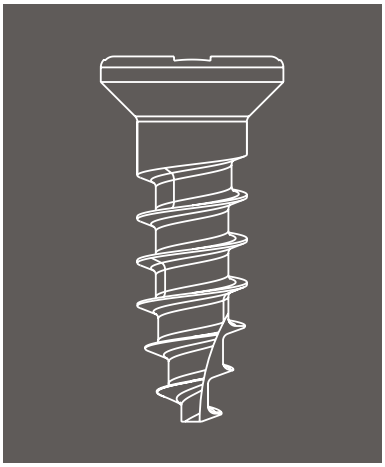
Ancillary instruments

EASYTEK: The simplicity of sterile instrumentation

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 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

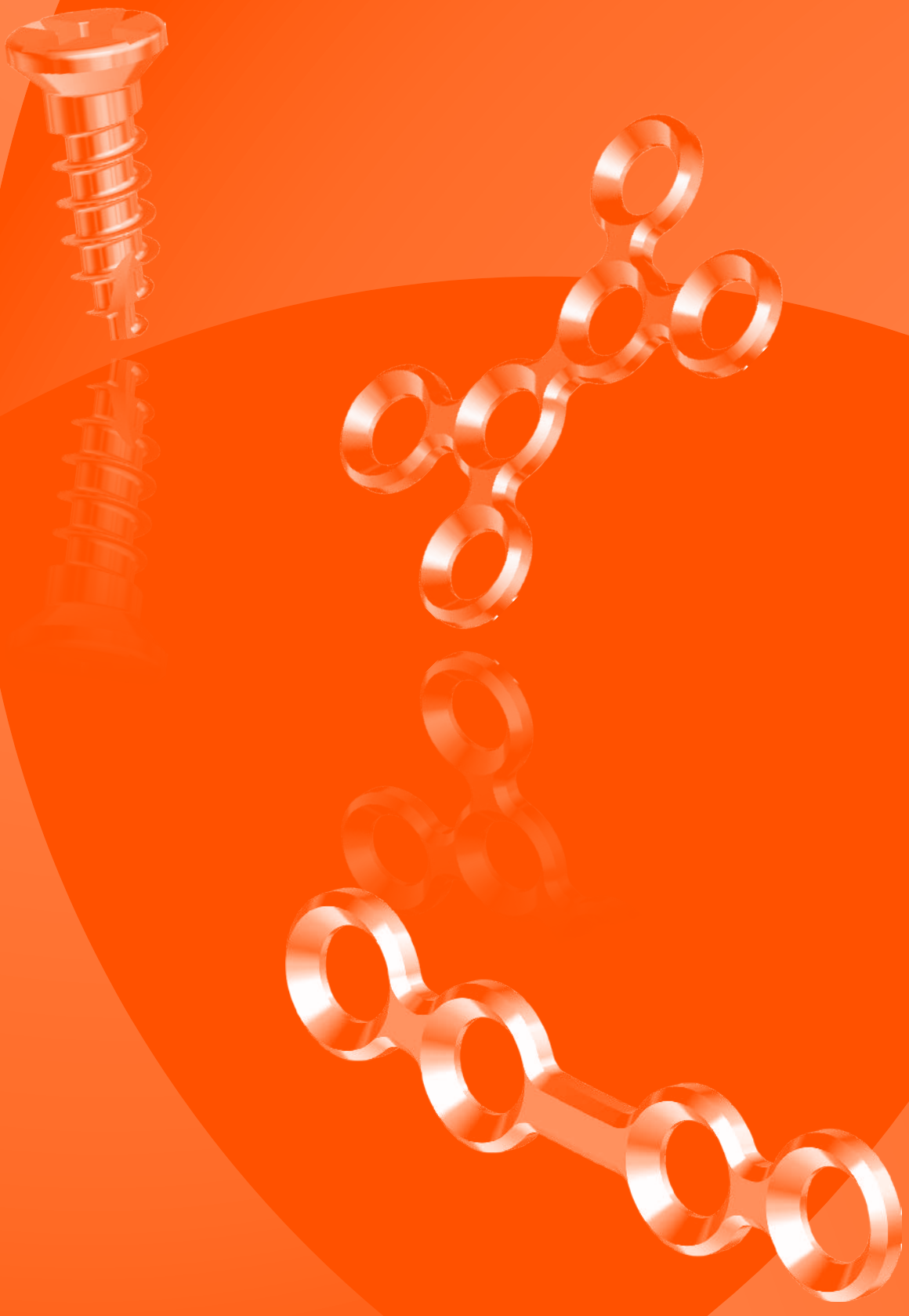
- The choice of two diameters of self-drilling screws Ø 1.2 mm and Ø 1.5 mm
- A single screwdriver
- Malleable T40 plates (Grade II titanium - ISO 5832-2) 0.2 mm, 0.4 mm or 0.6 mm thick and with a low plate/screw profile
- A wide range of plates shapes and meshes to cover all indications
- Self-drilling 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
Screws	Self-drilling Microtek screws - Ø 1.2 mm	
	Self-drilling Minitek screws - Ø 1.5 mm	
	Emergency Minitek screws - Ø 1.8 mm	
Plates	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
Self-drilling	Ø1.2	10N.cm	Ø1.5
	Ø1.5	18N.cm	Ø1.8
	Ø1.8	30N.cm	-

Minitek



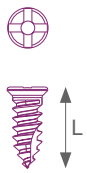
Self-drilling screws

- 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

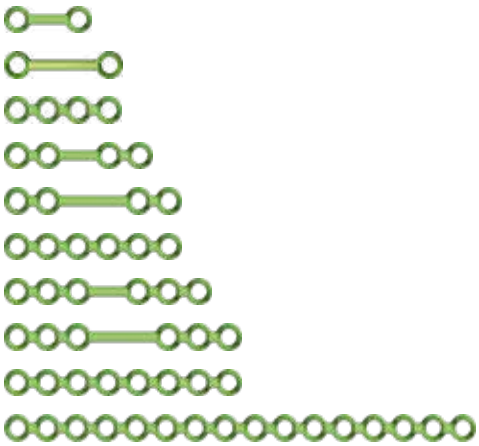
1.5 mm	Colour code	Length	Ref. number
		4	VA1.5KL4
		5	VA1.5KL5
		6	VA1.5KL6
		7	VA1.5KL7
		9	VA1.5KL9
		11	VA1.5KL11
		13	VA1.5KL13
		15	VA1.5KL15

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

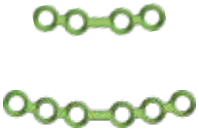
MNPLL MNPLMI MNPLM MNPLI MNPL MNPJ MNPJI MNPJM MNPJMI MNPJL

L & J-shaped plates - 0.6 mm

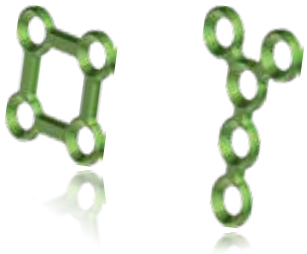
0.6 mm	Colour code	Bridge	Rigidity	Ref. number L	Ref. number J
	■	Bridgeless	+ -	MNPL	MNPJ
		Intermediate		MNPLI	MNPJI
		Medium		MNPLM	MNPJM
		Medium intermediate		MNPLMI	MNPJMI
		Long		MNPLL	MNPJL

Orbital plates

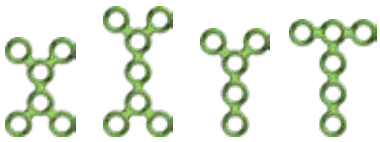
Orbital plates - 0.6 mm

0.6 mm	Colour code	Holes	Rigidity	Ref. number
		4	+ -	MNPORB4T
		6		MNPORB6T

Other plates



X, Y, T-shaped plates - 0.6 mm

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

Star-shaped plate* - 0.6 mm

0.6 mm	Colour code	Holes	For trephine	Rigidity	Ref. number
		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	Ref. number
		Square	4	+ -	MNP3D4TC
		Rectangular			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**

Front view *Back view*

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.

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 sagital split at once).

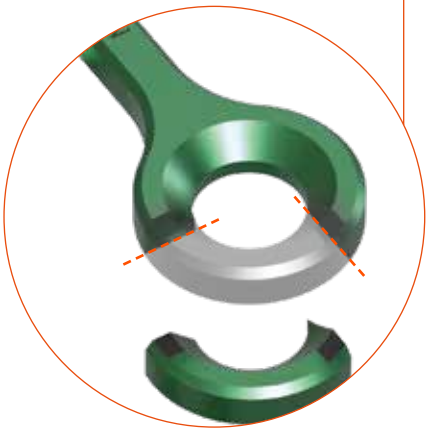
Back view

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.

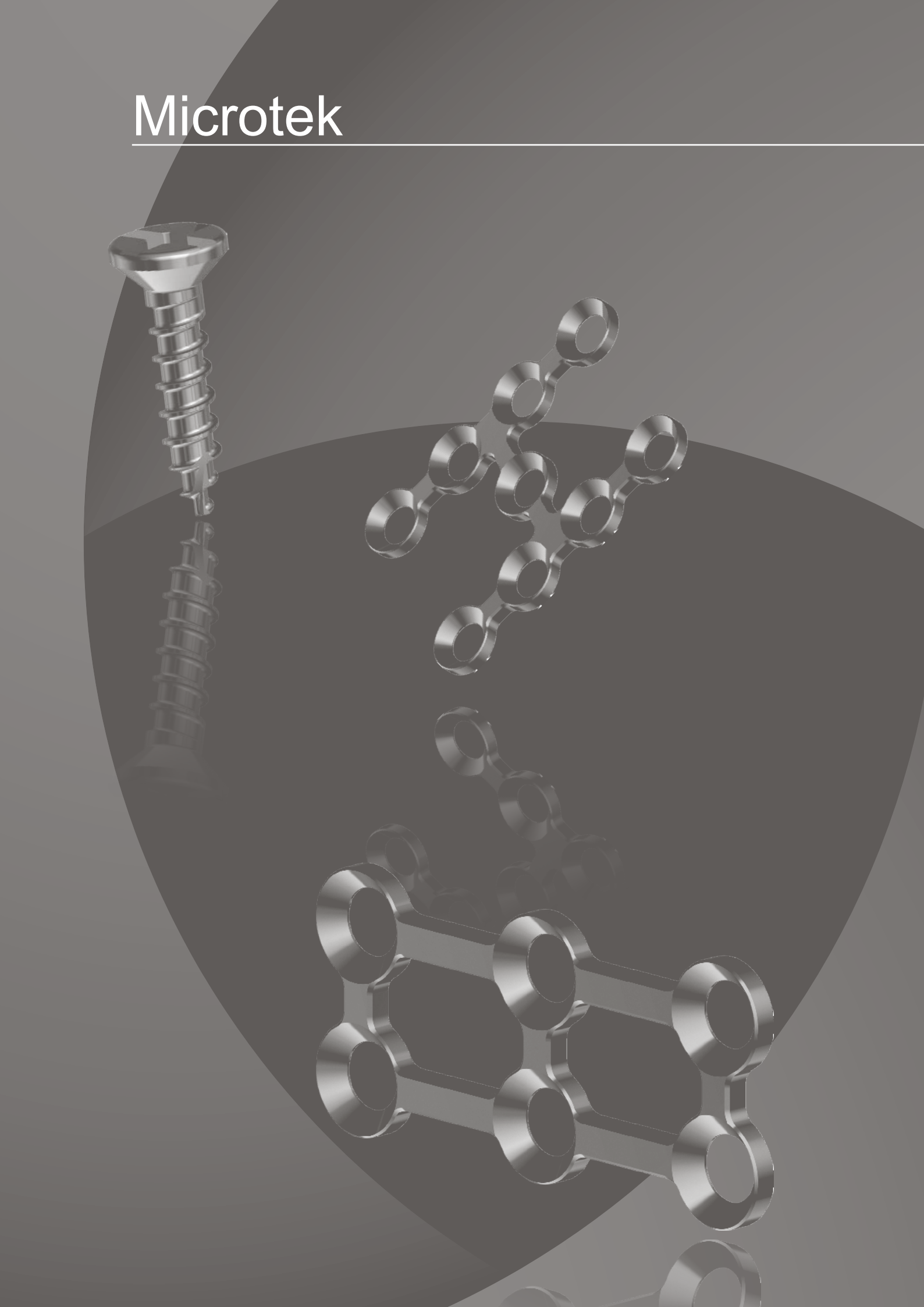
Bridge with a square section for an easy folding

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

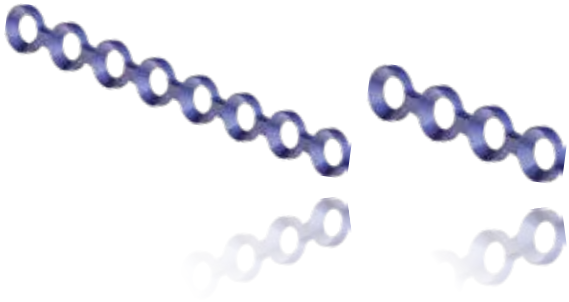
Self-drilling cross-drive screws - Ø 1.2 mm

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

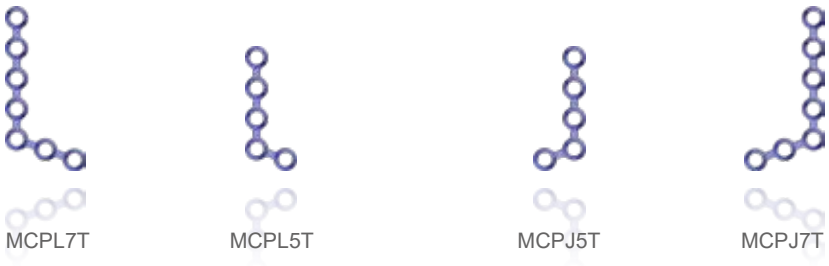
Straight plates



Straight plates - 0.6 mm

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

L & J-shaped plates

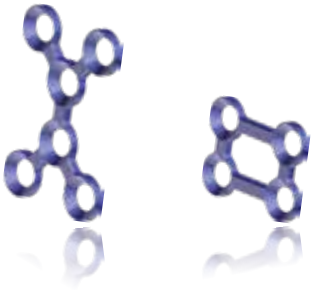


MCPL7T MCPL5T MCPJ5T MCPJ7T

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

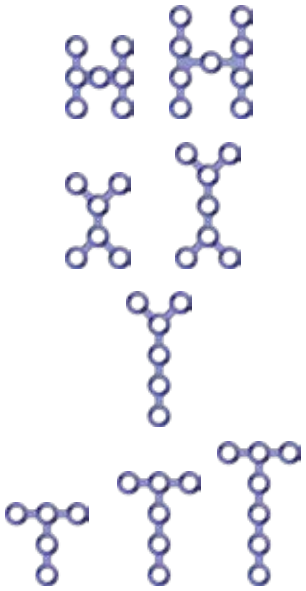
Other plates



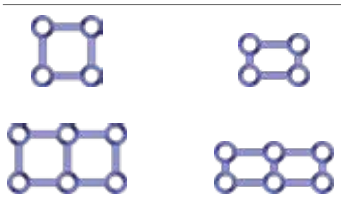
Orbital plates - 0.6 mm

0.6 mm	Colour code	Holes	Rigidity	Ref. number
	■	8	+ -	MCPORB8T

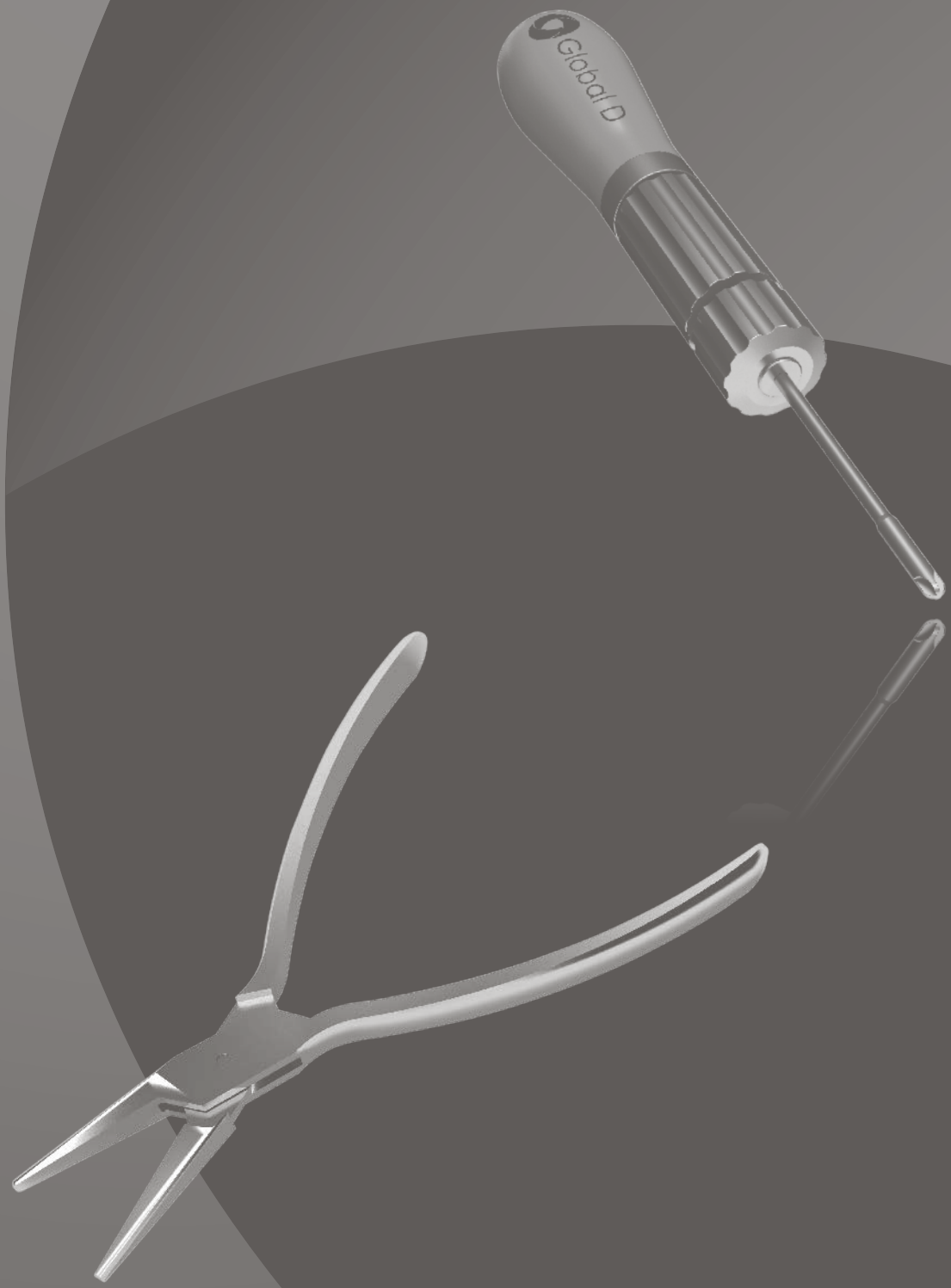
H, X, Y, T-shaped plates - 0.6 mm

0.6 mm	Colour code	Shape	Holes	Rigidity	Ref. number
	■	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

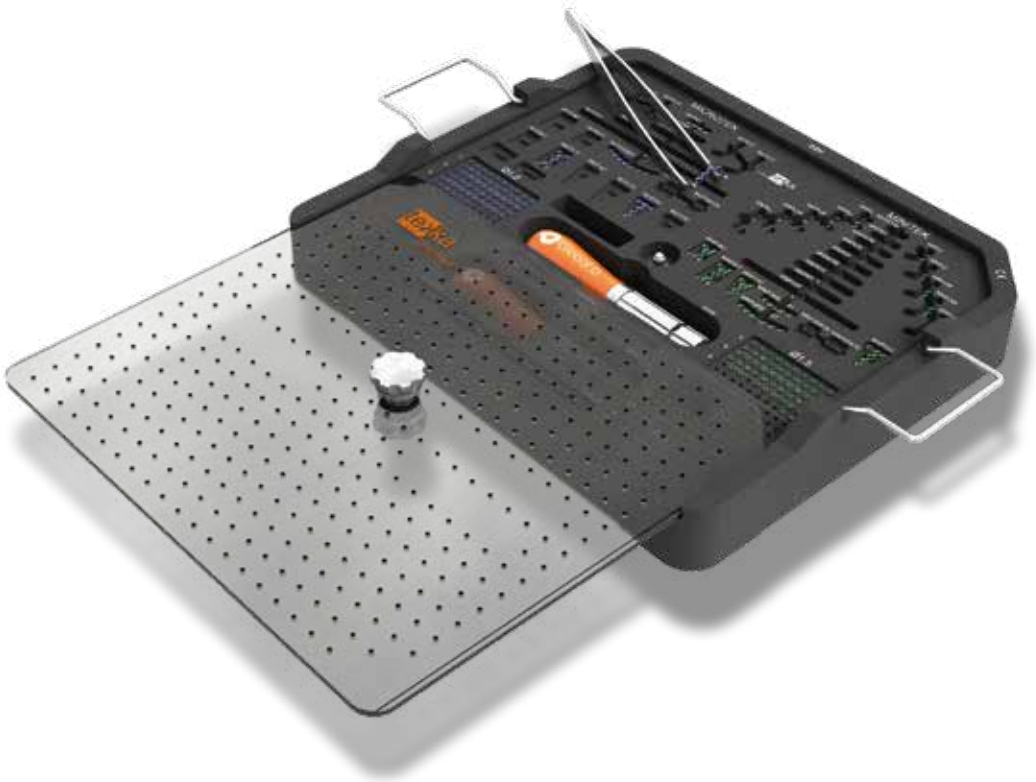
0.6 mm	Colour code	Shape of the mesh	Holes	Rigidity	Ref. number
	■	Square	4	+ -	MCP3D4TC
		Rectangular			MCP3D4TR
		Square	6		MCP3D6TC
		Rectangular			MCP3D6TR

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 Ø1.5 mm, length 4 and 5 mm
- Emergency Minitek screws Ø1.8 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
			1.5 mm	
Long			1.8 mm	ALT1K

Forceps and scissors

Modeling forceps

Scale 3/4

Shape	Ref. number
Flat	PPM

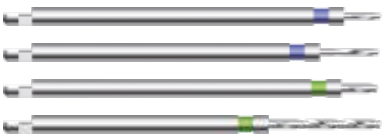
Holding forceps

Scale 3/4

Ref. number
PPH-2

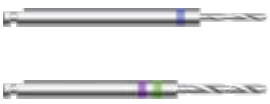
Drill bits

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

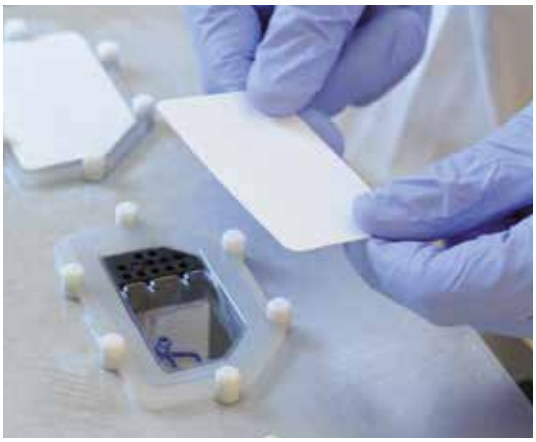


Colour ring	Colour code of the associated screw	Diameter of the associated screw	Drill stop	Total length	Ref. number
		1.2 mm	9 mm	35 mm	FOS0.8
		1.5 mm 1.8 mm	12 mm		FOS1.1

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 Minitek 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

These products are medical devices of class I, IIa or IIb and carry the EC (G-MED - CE0459) 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 application

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

GlobalD
Partner for your surgery

ZI de Sacuny
118 avenue Marcel Mérieux
69530 Brignais
France

Phone +33 (0)4 78 56 97 00
Fax +33 (0)4 78 56 01 63

www.globald.com

MENIX group company

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