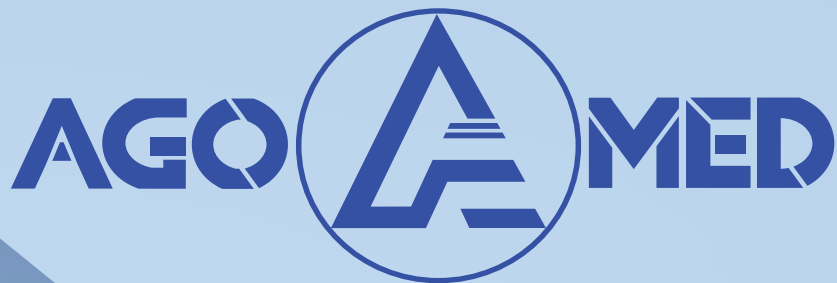


SURGICAL
TECHNIQUE GUIDE

INCLUDING



PANDA

HAND PLATING SYSTEM

Made in Germany

EN Working with AGOMED means working with a company committed to excellence. Our products are German engineered, biocompatible, and cutting-edge. Our team members collectively bring decades of medical technology experience to the table.

We're reliable. We're flexible. We're inventive.

AGOMED collaborates with distributors, hospitals, and doctors worldwide to create and develop exacting, state-of-the-art solutions for complex surgical problems. We work closely with specialists to insure that our implant systems for Traumatology/Orthopaedics of upper and lower extremities improve the patient's quality of life. Patient safety is always our number one priority.

DE Mit AGOMED zu arbeiten, bedeutet mit einem Unternehmen zu arbeiten, das sich zur Exzellenz und Hochleistung verpflichtet.

Unsere Produkte werden von deutschen Ingenieuren entwickelt, sind biokompatibel, innovativ und auf dem neuesten Stand der Technik. Unser Team hat jahrzehntelange Erfahrung im Bereich der Medizintechnik.

Wir sind zuverlässig. Wir sind flexibel. Wir sind innovativ.

AGOMED arbeitet weltweit mit Unternehmen, Krankenhäusern und Ärzten zusammen, um anspruchsvolle, hochmoderne Lösungen für komplexe chirurgische Probleme zu entwickeln. Wir arbeiten eng mit Spezialisten zusammen, um sicherzustellen, dass unsere Implantat-Systeme für Traumatologie/Orthopädie der oberen und unteren Extremitäten die Lebensqualität der Patienten verbessern. Die Sicherheit der Patienten steht bei uns immer an erster Stelle.

ES Trabajar con AGOMED significa trabajar con una empresa comprometida con la excelencia. Nuestros productos son diseñados en Alemania, biocompatibles y de vanguardia. Los miembros de nuestro equipo aportan, de manera colectiva, décadas de experiencia en tecnología médica.

Somos fiables. Somos flexibles. Somos innovadores.

AGOMED colabora con distribuidores, hospitales y doctores a nivel mundial con el objetivo de desarrollar soluciones rigurosas para problemas quirúrgicos complejos con tecnología punta. Cooperamos estrechamente con especialistas para garantizar que nuestros sistemas de implantes e instrumentos para Traumatología/Ortopedia de las extremidades superiores e inferiores mejoren la calidad de vida de los pacientes. La seguridad de los pacientes siempre es nuestra prioridad.

QUALITY IS PART OF OUR DNA



DIN EN ISO 13485

AGOMED MEANS QUALITY. WE EXCEED DIN EN ISO 13485 STANDARDS. ALL OUR PRODUCTS BEAR THE CE MARK.

EN

AGOMED BEDEUTET QUALITÄT. WIR SIND ZERTIFIZIERT NACH DIN EN ISO 13485. ALLE UNSERE PRODUKTE TRAGEN DAS CE ZEICHEN.

DE

AGOMED ES SINÓNIMO DE CALIDAD. SUPERAMOS LOS ESTÁNDARES DIN EN ISO 13485. TODOS LOS PRODUCTOS DISPONEN DE MARCADO CE.

ES



CE CERTIFICATE

INDEX

FEATURES AND BENEFITS 2

ORDERING INFORMATION

TITANIUM PLATES 0.8 MM	10
TITANIUM PLATES 1.2 MM	14
TITANIUM SCREWS	20

SURGICAL TECHNIQUES

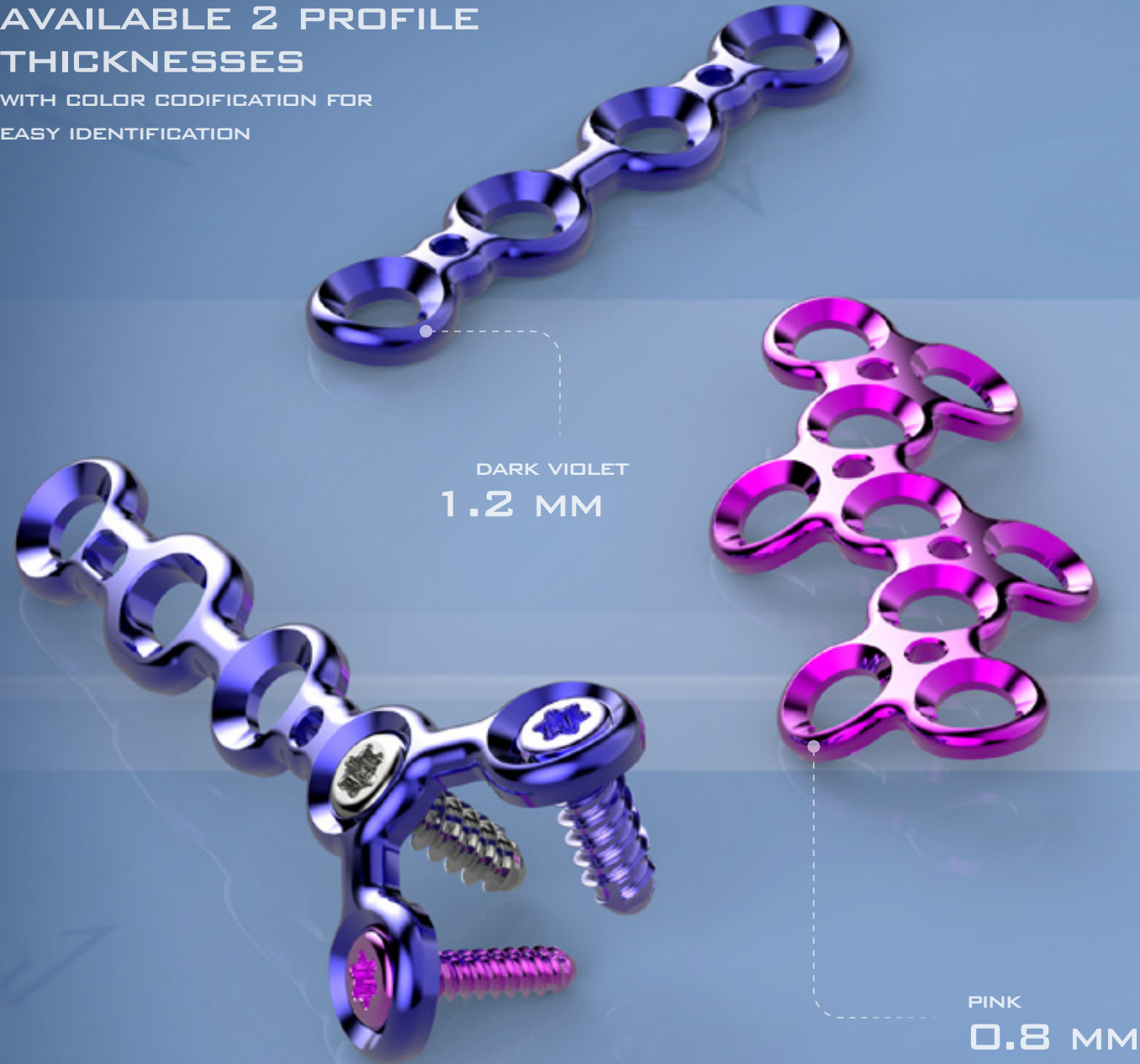
INDICATIONS	24
TRANSVERSE FRACTURE OF THE METACARPAL BONE	25
OBLIQUE FRACTURE OF THE PROXIMAL PHALANX	36
BONY EXTENSOR TENDON AVULSION OF THE DISTAL PHALANX	43

INSTRUMENTS 47

SET OVERVIEW 55

AVAILABLE 2 PROFILE THICKNESSES

WITH COLOR CODIFICATION FOR EASY IDENTIFICATION



PANDA PLATING SYSTEM

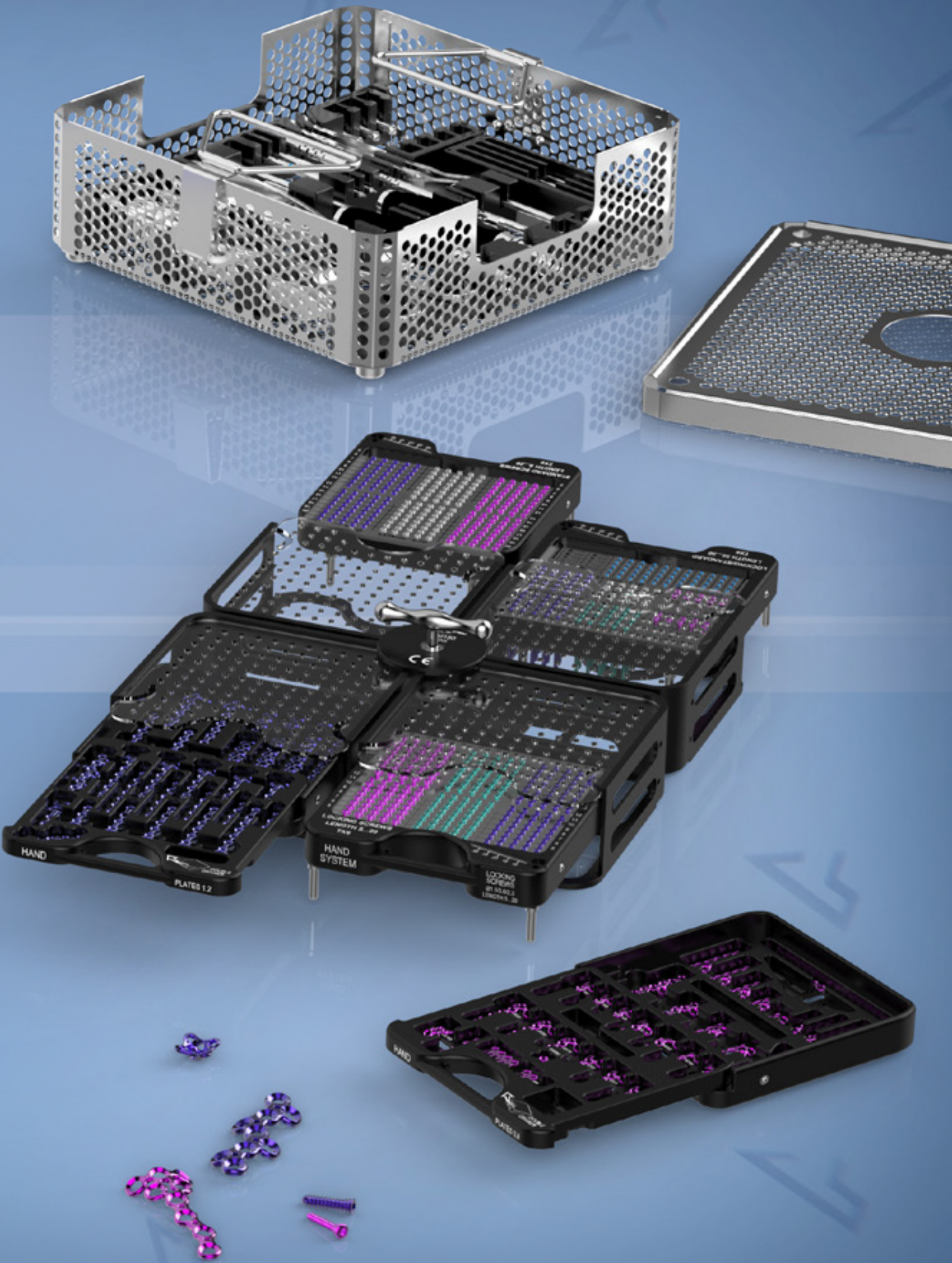


PLATE FEATURES

AVAILABLE IN
DIFFERENT
LENGTHS

- DOES NOT REQUIRE PLATES TO BE SHORTENED
- SMOOTH EDGES

ROUNDED EDGES &
A SMOOTH SURFACE

FOR SOFT TISSUE PROTECTION

AVAILABLE IN
A FLEXIBLE CHOICE
OF SCREW TYPE

STANDARD SCREWS AND LOCKING
SCREWS FIT ALL PLATE HOLES

1.5 MM
2.0 MM
2.3 MM

THE NEW PANDA HAND SYSTEM INCLUDES
A WIDE SELECTION OF PLATES

TO ACCOMMODATE THE VARIETY OF HAND FRACTURES
ENCOUNTERED DURING ROUTINE SURGERIES

ATRAUMATIC,
ROUNDED
CONTOUR

BEST POSSIBLE EMBEDDING
IN SOFT TISSUE

ANATOMICAL
PRE-SHAPED DESIGN

- PRECISE ANATOMICAL PLATE FIT
REQUIRES FEWER INTRAOPERATIVE
ADJUSTMENTS
- INCREASED RIGIDITY AND
STRENGTH FROM A LESS
BENDABLE STRUCTURE

UNIVERSAL PLATE HOLE SHAPES

- PLATES INCLUDE AN ELONGATED K-WIRE HOLE AND A COMPRESSION HOLE
- SECURE CLOSURE OF THE FRACTURE



OVAL HOLES

IN SOME PLATES TO ALLOW LONGITUDINAL COMPRESSION

MULTIPLE OPTIONS
ALLOW AN INDIVIDUAL AND
BEST POSSIBLE
FRACTURE
TREATMENT

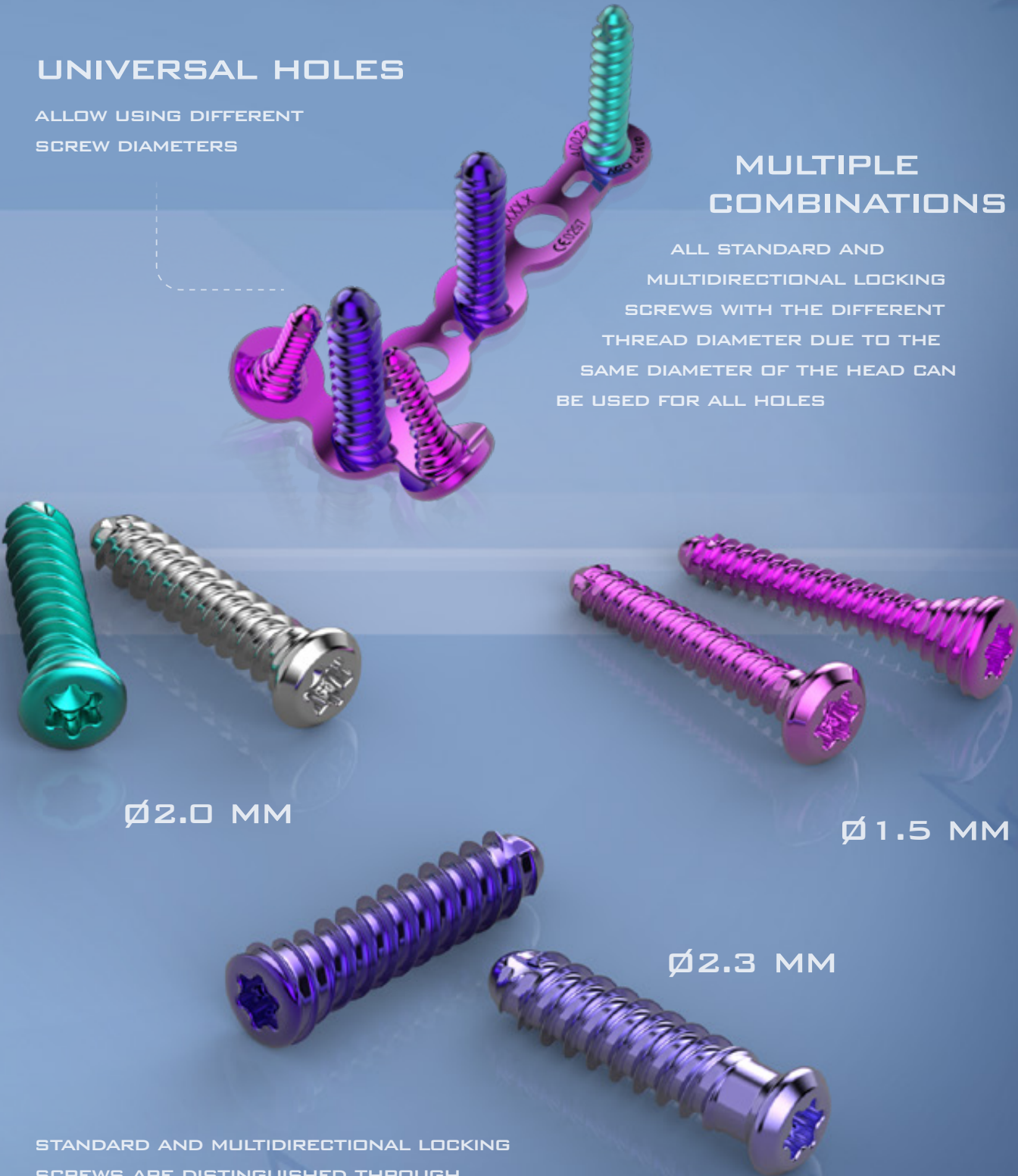
ADVANTAGES OF THE SCREWS

UNIVERSAL HOLES

ALLOW USING DIFFERENT
SCREW DIAMETERS

MULTIPLE
COMBINATIONS

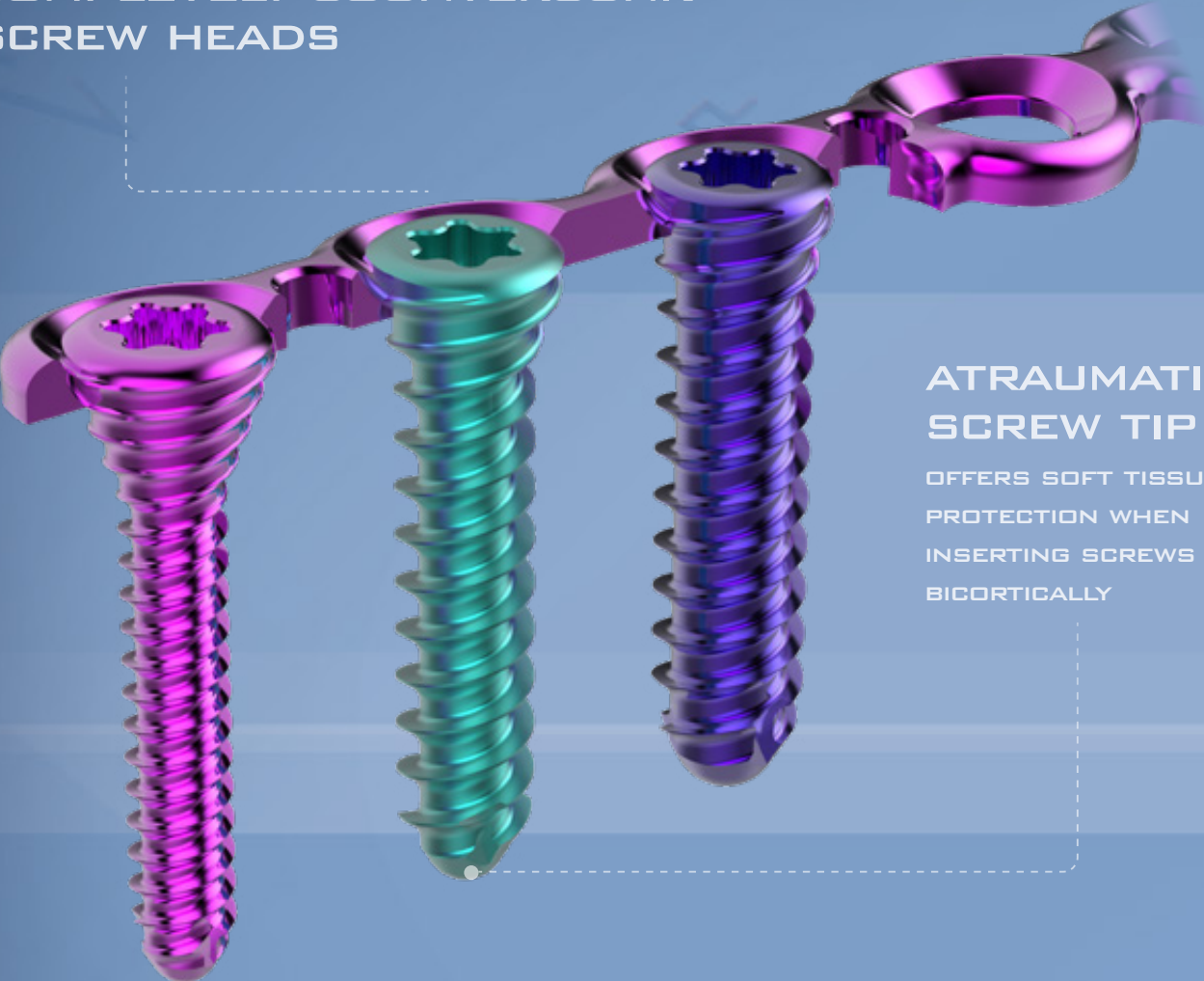
ALL STANDARD AND
MULTIDIRECTIONAL LOCKING
SCREWS WITH THE DIFFERENT
THREAD DIAMETER DUE TO THE
SAME DIAMETER OF THE HEAD CAN
BE USED FOR ALL HOLES



STANDARD AND MULTIDIRECTIONAL LOCKING
SCREWS ARE DISTINGUISHED THROUGH

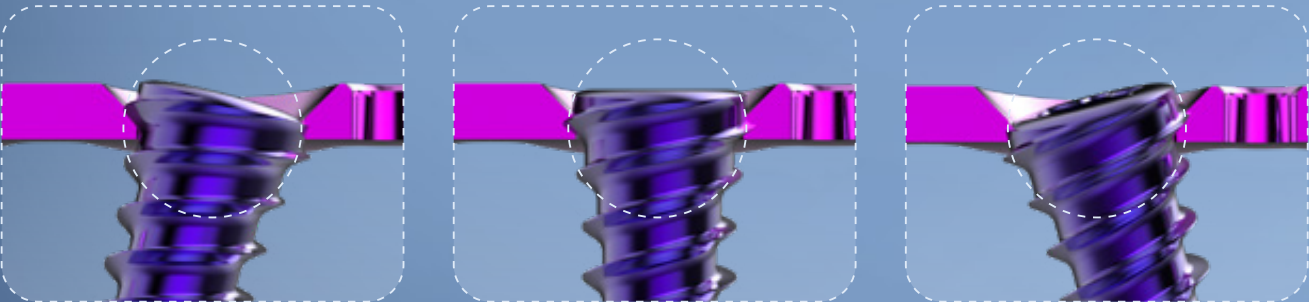
COLOR-CODED IDENTIFIERS

COMPLETELY COUNTERSUNK
SCREW HEADS



MINIMAL SCREW HEAD PROTRUSION

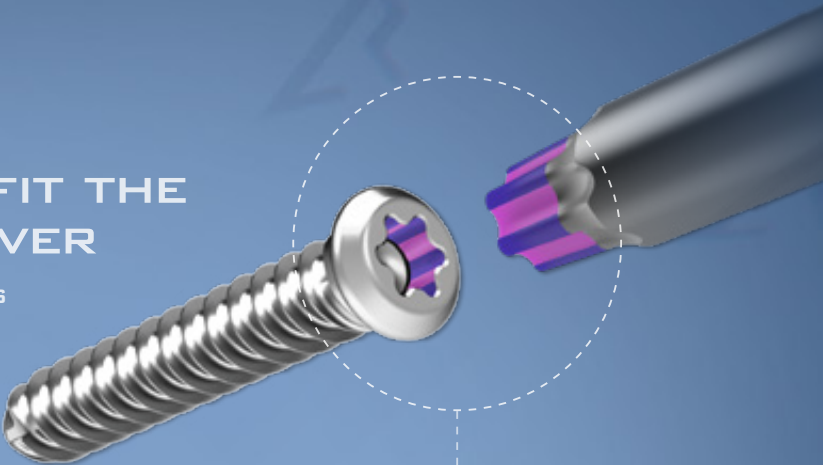
THANKS TO INTERNAL LOCKING CONTOUR



- SOFT TISSUE PROTECTION DUE TO SMOOTH SCREW HEAD DESIGN
- SCREWS CAN BE RELOCKED IN THE SAME SCREW HOLE AT INDIVIDUAL ANGLES UP TO THREE TIMES

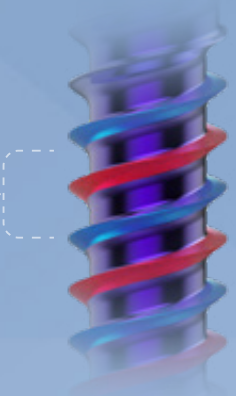
SCREW HEADS FIT THE
SAME SCREWDRIVER

ONE INSTRUMENT FOR DIFFERENT SCREWS



2X FASTER
INSERTION

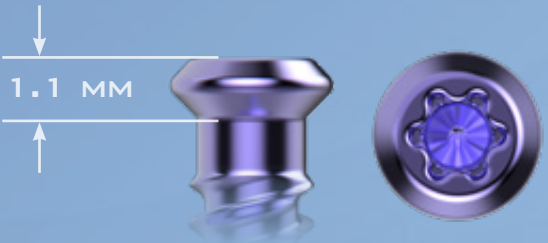
WITH DOUBLE LEAD
THREADS



PERFECT SELF-
RETAINING FUNCTION

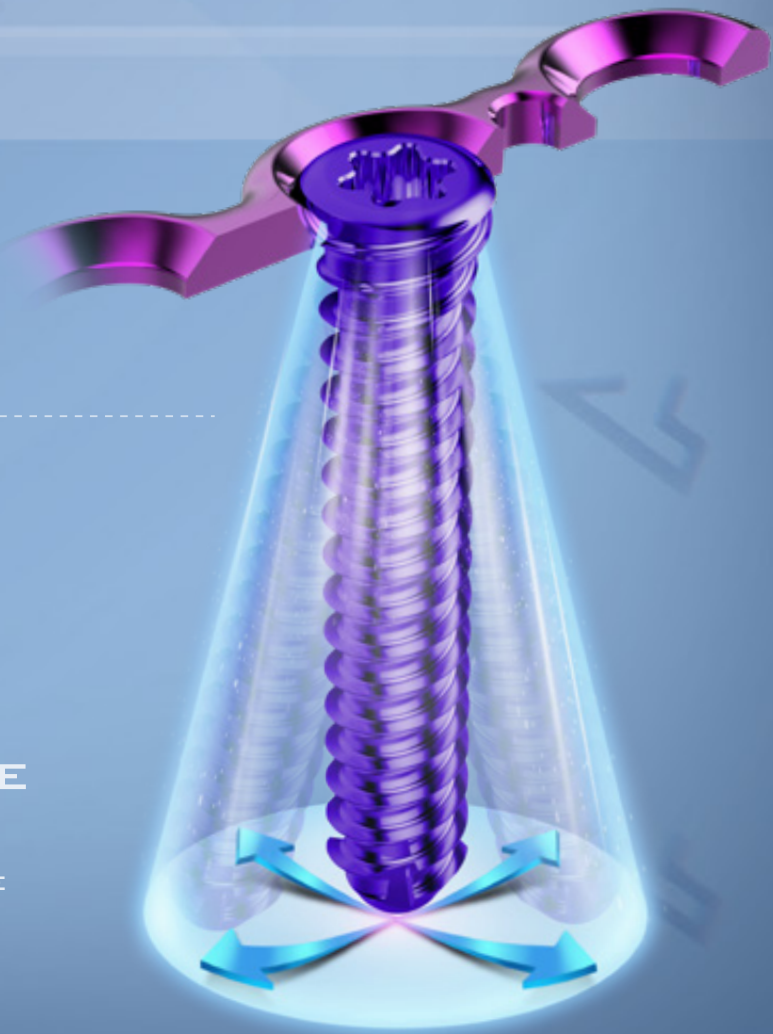
- EASY PICK-UP, INSERTION, TIGHTENING AND REMOVAL OF SCREWS
- SCREWS CAN BE UNLOCKED THEN RELOCATED AND LOCKED TO ANOTHER POSITION IF NEEDED

MULTIDIRECTIONAL
ANGULAR STABILITY
 $\pm 15^\circ$



ROUNDED, LOW-PROFILE
SCREW HEADS

AN ABSENCE OF SCREW HEAD PROMINENCE PROVIDES LESS CHANCE OF SOFT TISSUE IRRITATION EVEN FOR MAXIMUM LOCKING SCREW ANGULATION



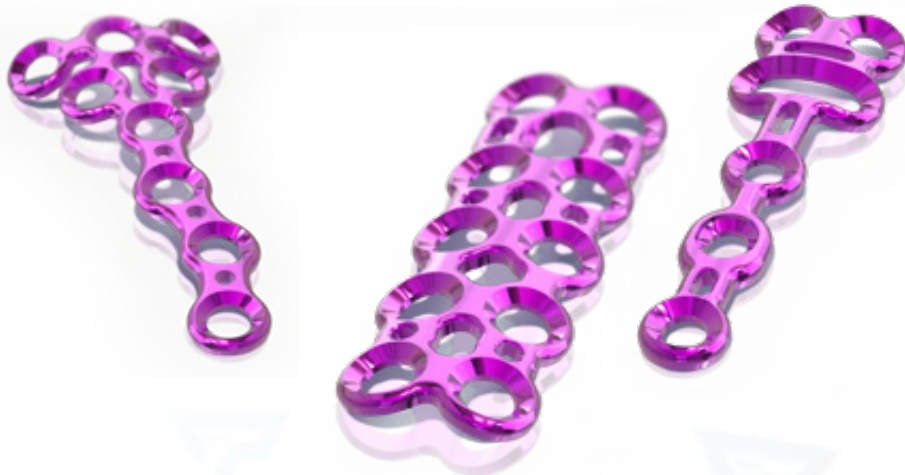
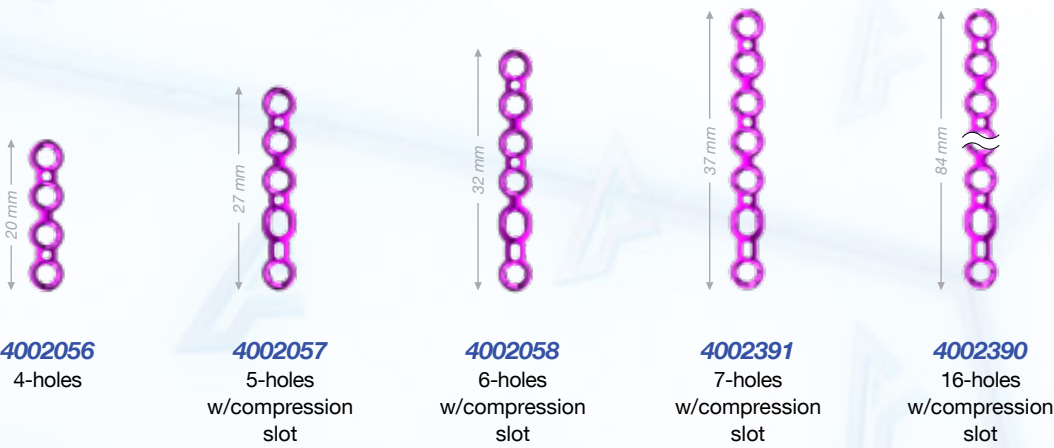


ORDERING INFORMATION

TITANIUM PLATES 0.8 MM

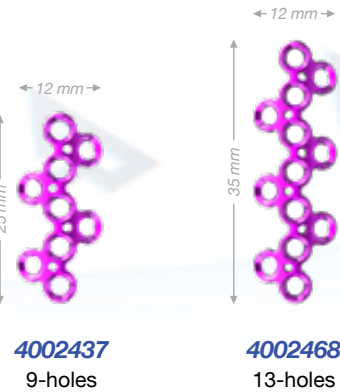
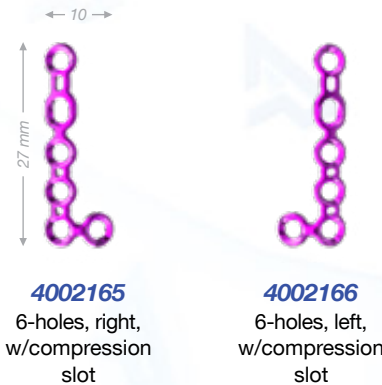


STRAIGHT 0.8 mm



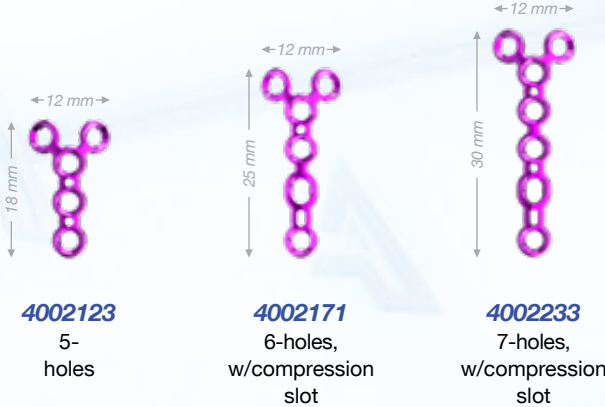
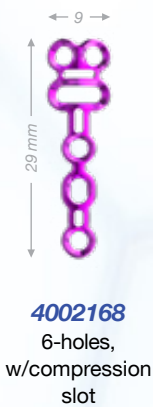
L FORM 0.8 mm

Z FORM 0.8 mm



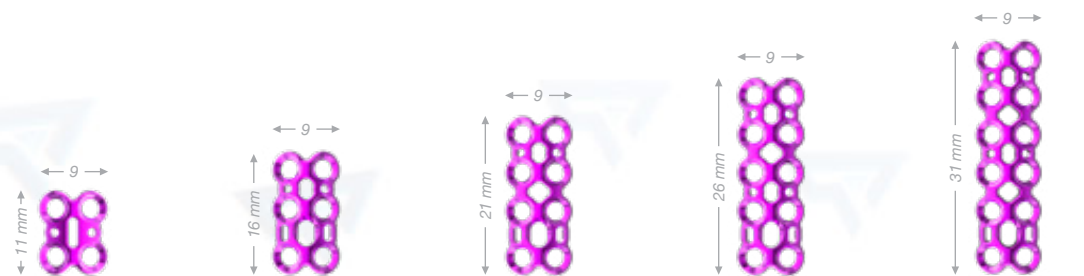
FROG 0.8 mm

Y FORM 0.8 mm





FORM $\frac{0.8 \text{ mm}}{0.8 \text{ mm}}$



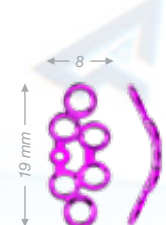
4002435
2 x 2-
holes

4002453
3 x 2-holes
w/compression
slot

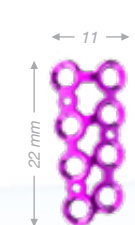
4002467
4 x 2-holes
w/compression
slot

4002454
5 x 2-holes
w/compression
slot

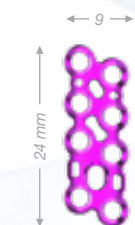
4002469
6 x 2-holes
w/compression
slot



4002183
2 x 2 + 2-
holes



4002297
4 x 2-
holes



4002470
4 x 2-holes
replantation
w/compression slot

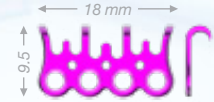
HOOK $\frac{0.8 \text{ mm}}{0.8 \text{ mm}}$



4002438
1-hole



4002495
2-holes



4002436
2 x 2-holes



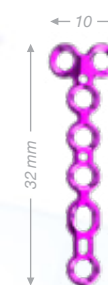
T FORM $\frac{0.8 \text{ mm}}{0.8 \text{ mm}}$



4002120
2/3-
holes



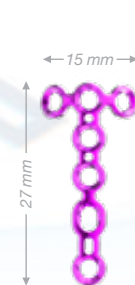
4002169
2/4-holes
w/compression
slot



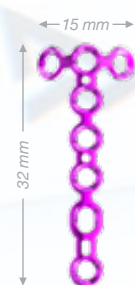
4002167
2/5-holes
w/compression
slot



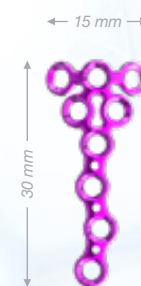
4002170
3/3-
holes



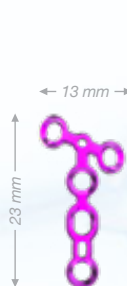
4002232
3/4-holes
w/compression
slot



4002381
3/5-holes
w/compression
slot



4002191
9-
holes



4002121
5-holes,
110°, right,
w/compression slot



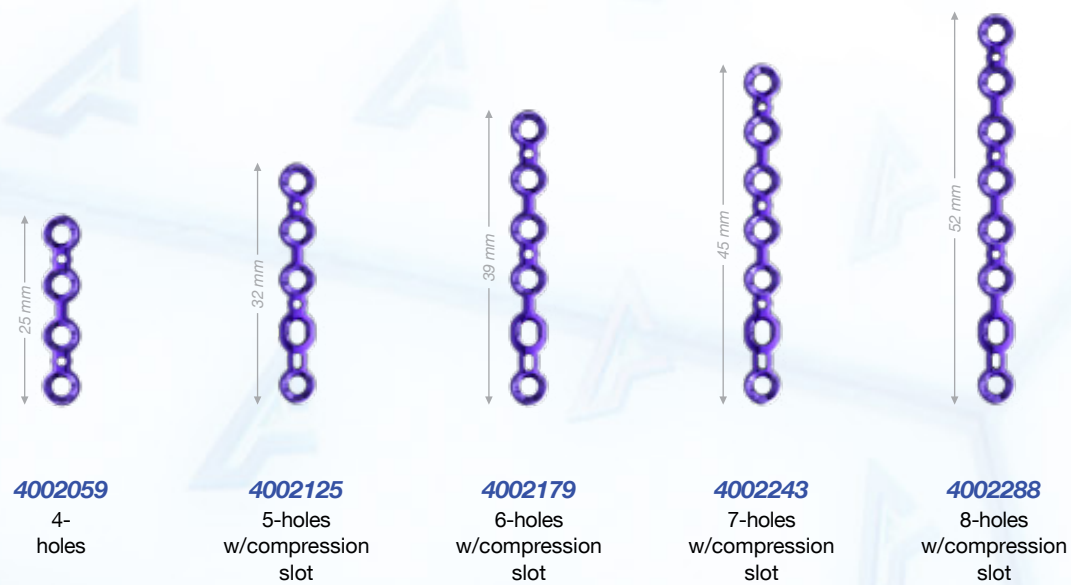
4002122
5-holes,
110°, left,
w/compression slot



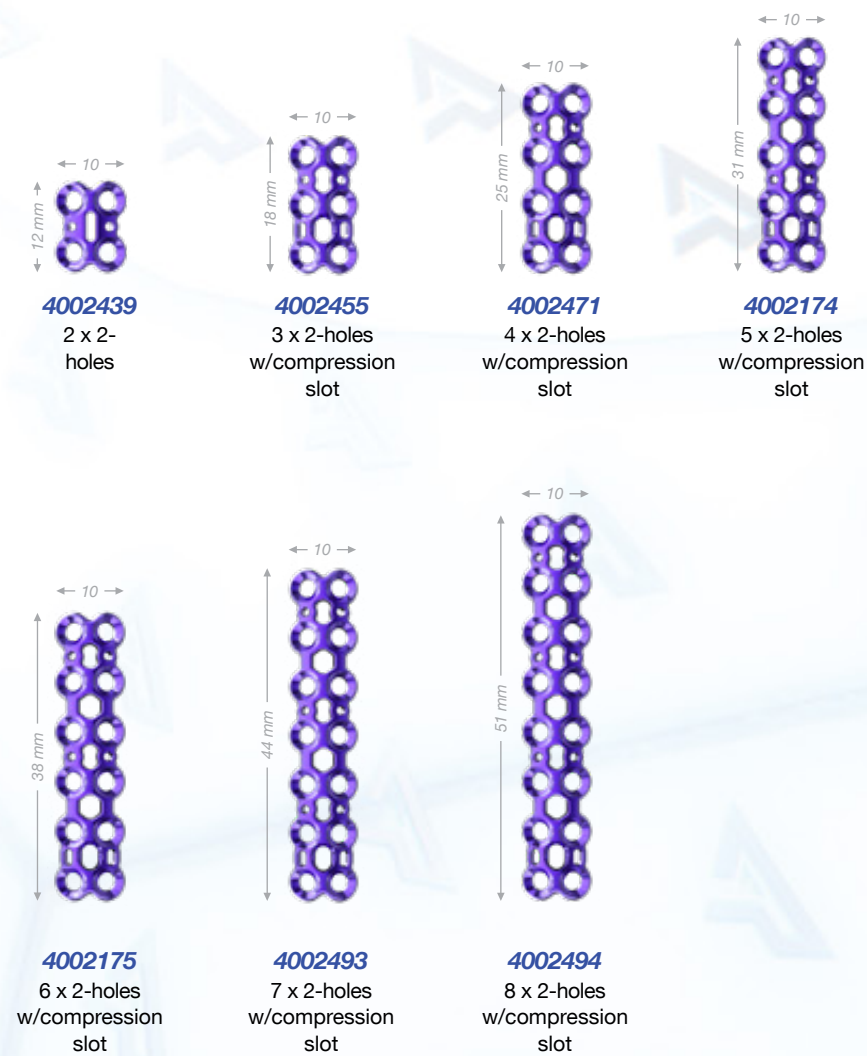
TITANIUM PLATES 1.2 MM



STRAIGHT 1.2 mm

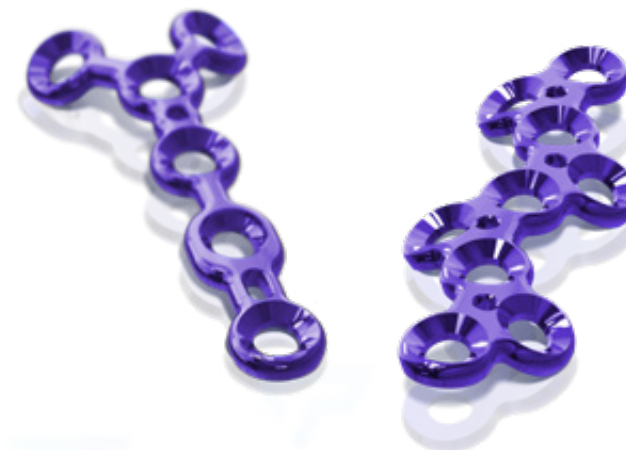
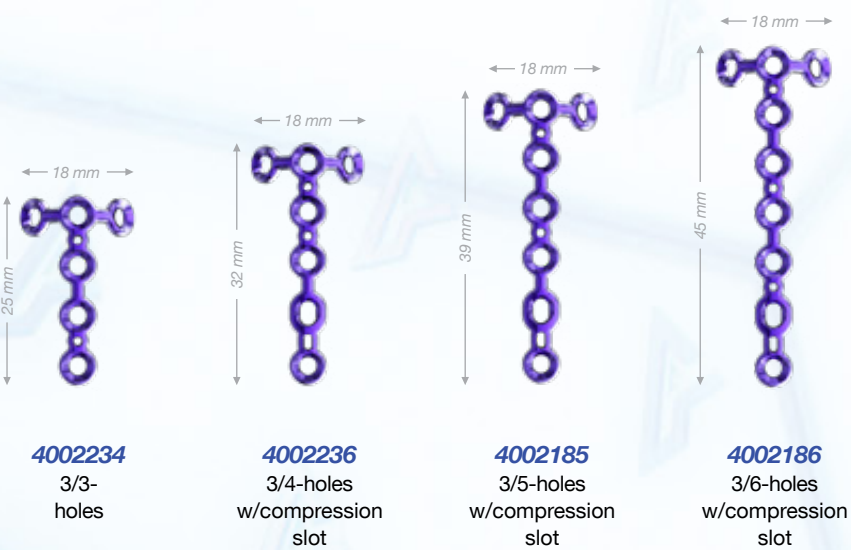
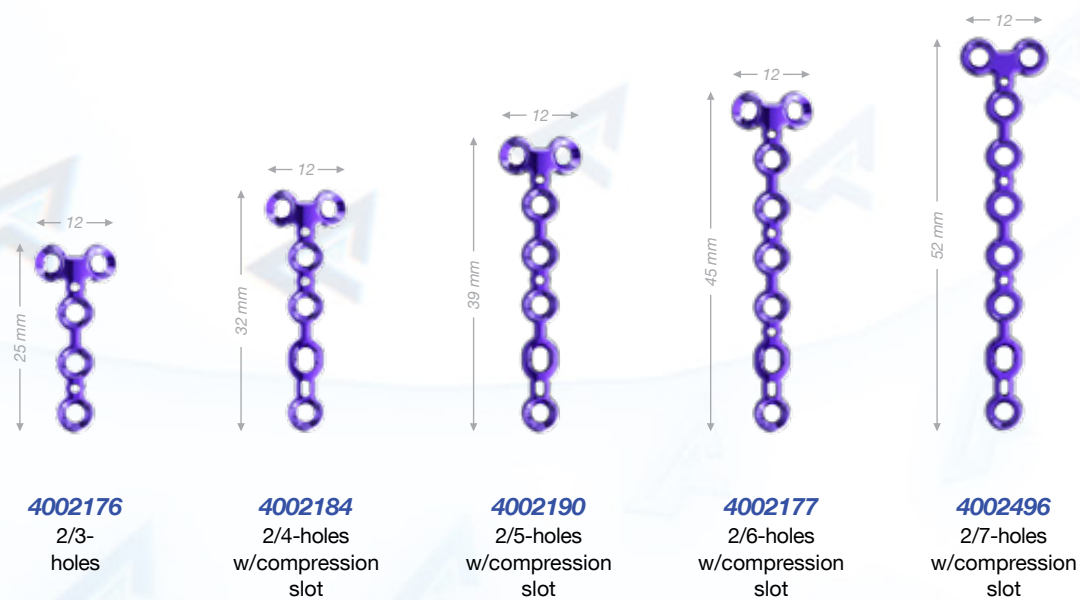


FORM 1.2 mm

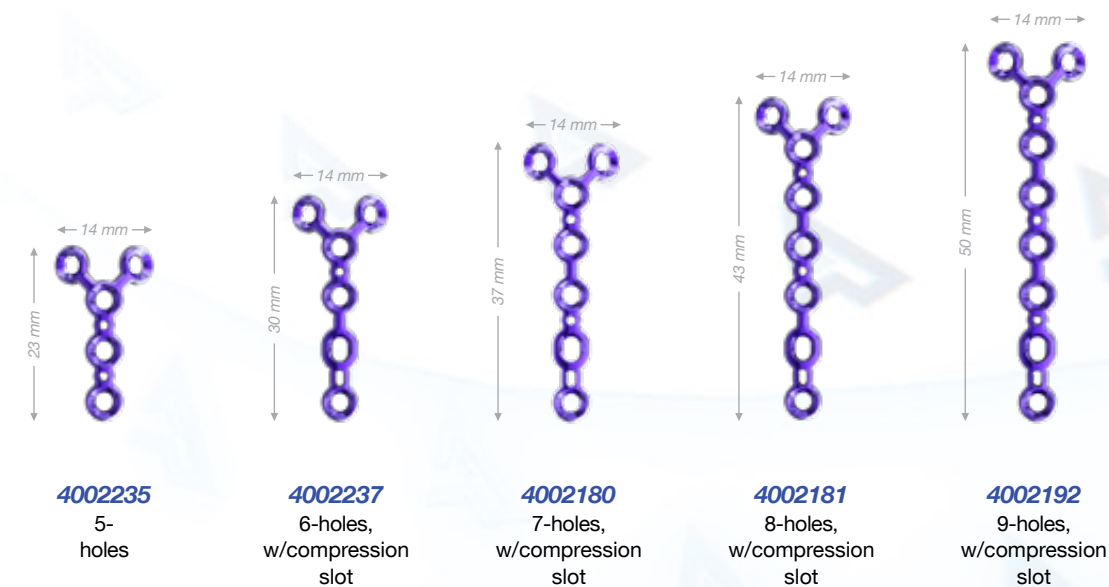




T FORM $\overline{1.2\text{ mm}}$



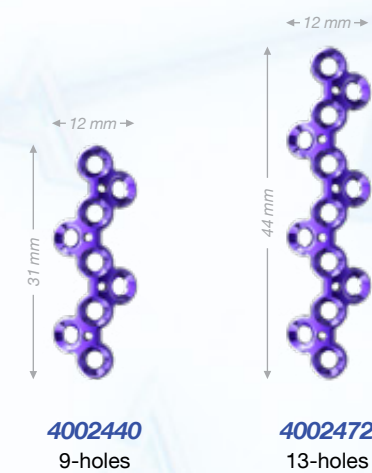
Y FORM $\overline{1.2\text{ mm}}$



FROG $\overline{1.2\text{ mm}}$



Z FORM $\overline{1.2\text{ mm}}$





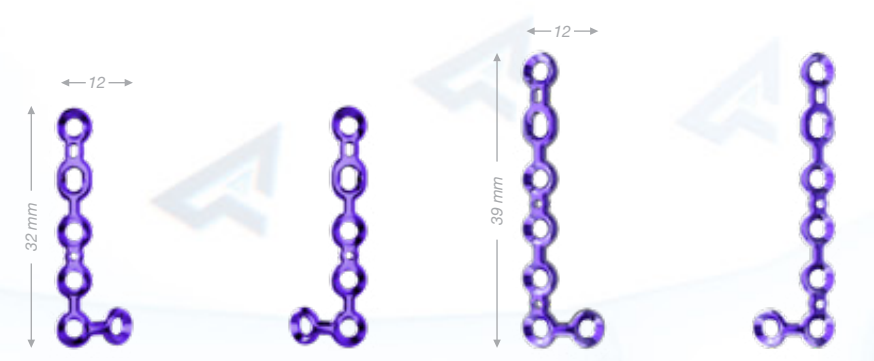
FUSION PLATES

INDICATIONS

- For fusion of scaphoid, trapezium and trapezoid (STT)
- For fusion of capitate, hamate, triquetrum and lunate



L FORM 1.2 mm



4002188
6-holes, right,
w/compression
slot

4002189
6-holes, left,
w/compression
slot

4002172
7-holes, right,
w/compression
slot

4002173
7-holes, left,
w/compression
slot

GENTIAN 1.2 mm



4002061
7-holes,
round

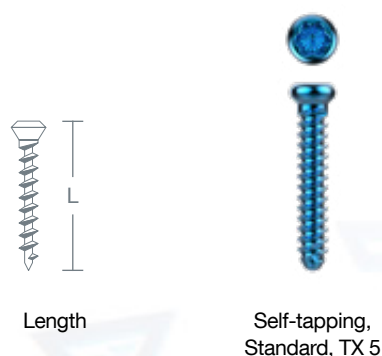
4002247
6-holes,
triangular

4002246
8-holes,
square

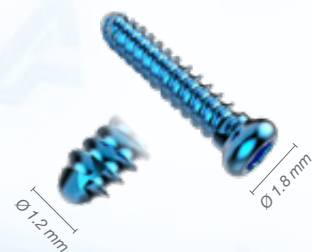




TITANIUM SCREWS 1.2



L	Ø 1.2 mm	Paq.
4 mm	5020104	5
5 mm	5020105	5
6 mm	5020106	5
7 mm	5020107	5
8 mm	5020108	5
9 mm	5020109	5
10 mm	5020110	5
11 mm	5020111	5
12 mm	5020112	5
13 mm	5020113	5
14 mm	5020114	5



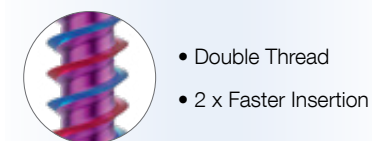
4002062
Titanium washer
for 2.0 / 2.3 mm screws,
pack/5



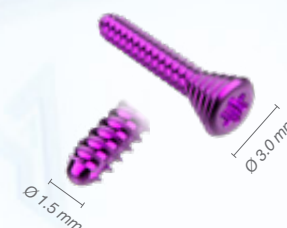
4002060
Titanium washer
for 2.0 / 2.3 mm screws,
pack/5



TITANIUM SCREWS 1.5



L	Ø 1.5 mm	Ø 1.5 mm	Pack
4 mm	5015104	5015004	5
5 mm	5015105	5015005	5
6 mm	5015106	5015006	5
7 mm	5015107	5015007	5
8 mm	5015108	5015008	5
9 mm	5015109	5015009	5
10 mm	5015110	5015010	5
11 mm	5015111	5015011	5
12 mm	5015112	5015012	5
13 mm	5015113	5015013	5
14 mm	5015114	5015014	5
15 mm	5015115	5015015	5
16 mm	5015116	5015016	5
17 mm	5015117	5015017	5
18 mm	5015118	5015018	5
19 mm	5015119	5015019	5
20 mm	5015120	5015020	5
21 mm	5015121	5015021	5
22 mm	5015122	5015022	5
23 mm	5015123	5015023	5
24 mm	5015124	5015024	5





TITANIUM SCREWS 2.0



Length



Multidirectional,
Locking, TX 6



Self-tapping,
Standard, TX 6

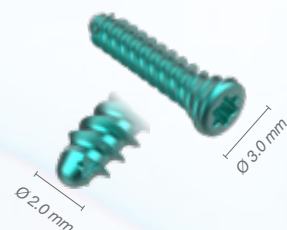


- Double Thread
- 2 x Faster Insertion

L	Ø 2.0 mm	Ø 2.0 mm	Pack
5 mm	5016105	5016005	5
6 mm	5016106	5016006	5
7 mm	5016107	5016007	5
8 mm	5016108	5016008	5
9 mm	5016109	5016009	5
10 mm	5016110	5016010	5
11 mm	5016111	5016011	5
12 mm	5016112	5016012	5
13 mm	5016113	5016013	5
14 mm	5016114	5016014	5
15 mm	5016115	5016015	5
16 mm	5016116	5016016	5
17 mm	5016117	5016017	5
18 mm	5016118	5016018	5
19 mm	5016119	5016019	5
20 mm	5016120	5016020	5
21 mm	5016121	5016021	5
22 mm	5016122	5016022	5
23 mm	5016123	5016023	5
24 mm	5016124	5016024	5
25 mm	5016125	5016025	5
26 mm	5016126	5016026	5
27 mm	5016127	5016027	5
28 mm	5016128	5016028	5
29 mm	5016129	5016029	5
30 mm	5016130	5016030	5



Drill - Ø 1.5 mm



TITANIUM SCREWS 2.3



Length



Multidirectional,
Locking, TX 6



Self-tapping,
Standard, TX 6

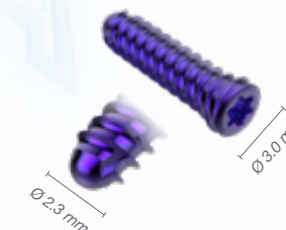


- Double Thread
- 2 x Faster Insertion

L	Ø 2.3 mm	Ø 2.3 mm	Pack
5 mm	5031105	5031005	5
6 mm	5031106	5031006	5
7 mm	5031107	5031007	5
8 mm	5031108	5031008	5
9 mm	5031109	5031009	5
10 mm	5031110	5031010	5
11 mm	5031111	5031011	5
12 mm	5031112	5031012	5
13 mm	5031113	5031013	5
14 mm	5031114	5031014	5
15 mm	5031115	5031015	5
16 mm	5031116	5031016	5
17 mm	5031117	5031017	5
18 mm	5031118	5031018	5
19 mm	5031119	5031019	5
20 mm	5031120	5031020	5
21 mm	5031121	5031021	5
22 mm	5031122	5031022	5
23 mm	5031123	5031023	5
24 mm	5031124	5031024	5
25 mm	5031125	5031025	5
26 mm	5031126	5031026	5
27 mm	5031127	5031027	5
28 mm	5031128	5031028	5
29 mm	5031129	5031029	5
30 mm	5031130	5031030	5



Drill - Ø 1.8 mm

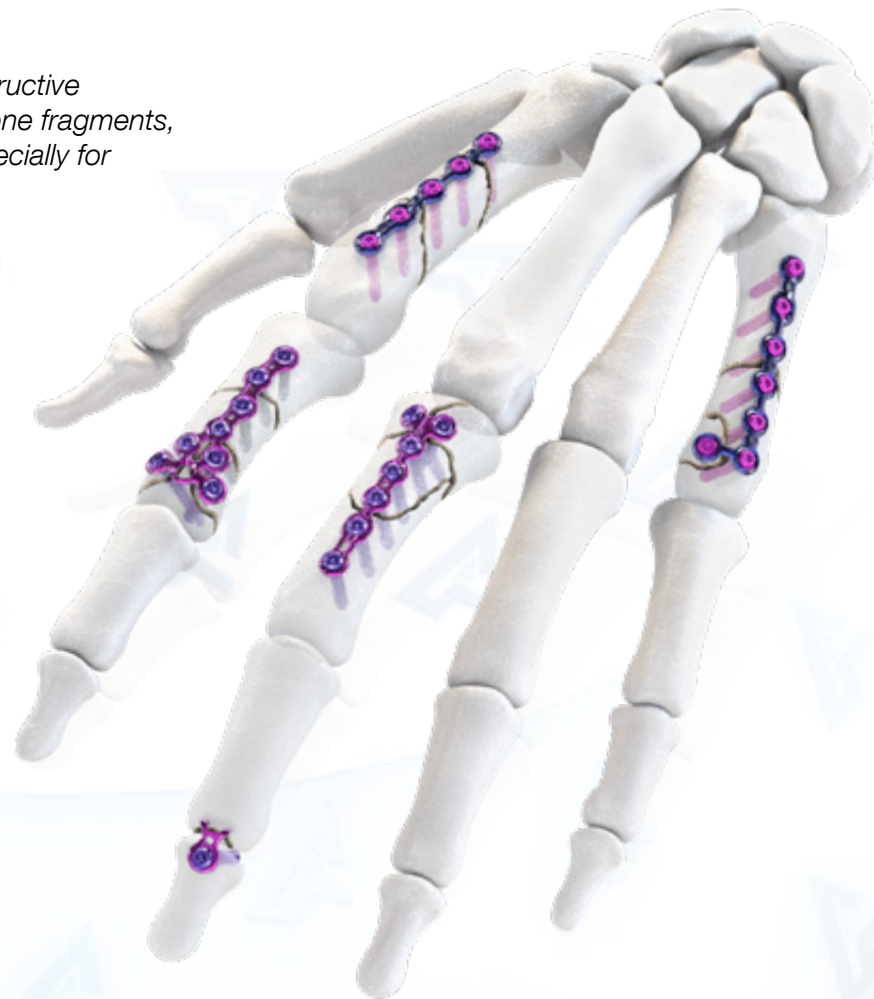


SURGICAL TECHNIQUES

INDICATIONS

Treatment of fractures and reconstructive procedures on small bones and bone fragments, for arthrodeses of small joints, especially for

- Avulsion fractures
- Shaft, comminuted and luxation fractures
- Transverse, oblique and spiral fractures and fractures near joints with and without joint involvement
- Arthrodeses and reconstructive procedures of the distal, middle and proximal phalanges as well as the metacarpals
- DIP, PIP and Carpal Arthrodesis



CONTRAINDICATIONS

- Inadequate bone quantity
- Patients with active infections
- Patients with metal allergies and foreign body sensitivity
- Patients with limited blood supply
- Severely non-compliant patients with mental or neurological conditions who are unwilling or incapable of following postoperative care instructions
- Patients with unstable physical and/or mental health conditions

SURGICAL TECHNIQUE TRANSVERSE FRACTURE OF THE METACARPAL BONE

Preoperative planning

- In addition to making standard exposures of the metacarpus with an A/P, strictly lateral and possibly also oblique beam, in the case of intra-articular fractures a high-resolution computed tomography scan is recommended for further clarification.

Patient positioning

- The patient is placed in the supine position on the operating table. The hand to be operated on is placed in the pronation position of the lower arm on the hand side table.

STEP 1



- **Dorsal approach**
Opening is performed by making a dorsal, slightly curved incision above the relevant metacarpal bone.
- **Exposure of the fracture**
The skin incision is followed by blunt dissection of the subcutaneous tissue, protecting the dorsal veins of the hand and sensitive nerve branches.
- The extensor tendons are mobilized and retracted together with the loosely connected soft tissue, preferably without transecting the tendinous junction.
- In the next step the periosteum on the metacarpal is incised longitudinally and the dorsal interosseous muscles are partially released with the periosteum.



Note:

Complete release of the muscles and injury of the palmar structures must be prevented.

STEP 2



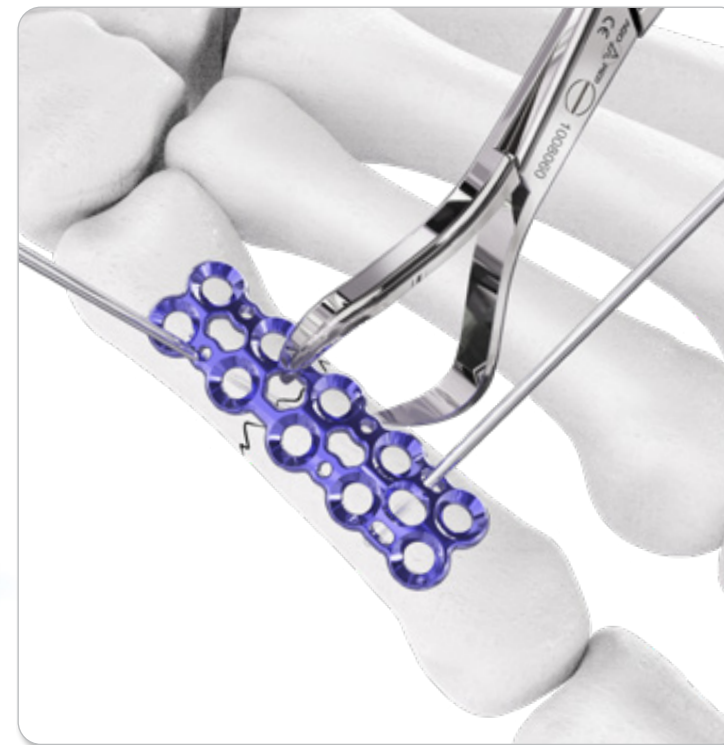
- **Reduction of the fracture**
For manual reduction there are various techniques available.
- It can be performed with maximum flexion of the MCP and PIP joints by applying slight thumb pressure to the middle phalanx and simultaneously applying counter pressure to the metacarpal with the other fingers.
- When all the fingers close to the MCP joint are flexed, rotational alignment is achieved.
- Optionally, if there is substantial instability, K-wires can be used for temporary fixation of the reduction.

PLATES FIXATION



- In addition to the manual reduction of the fracture by the surgeon, either the small reduction forceps 1008060 integrated into the Panda system can be used for spiral fractures or oblique fractures.
- The plate can be temporarily fixated with plate holding forceps and/or alternately with K-wires (1101123). Special K-wire slots are provided for this purpose. If fixation is performed with K-wires, it is advisable to first introduce a K-wire to the circular hole close to the joint and then introduce another K-wire to the elongated K-wire hole, at the side distant from the fracture.

STEP 3



- **Selection and placement of the osteosynthesis plate**
By way of example, treatment in the present indication is performed using a grid plate with a profile thickness of 1.2 mm. Since the grid plate has two rows, rotational stability can be increased, even if standard screws are used. However, the osteosynthesis plate is always selected according to the course of the fracture and the patient's anatomy.
- If necessary, the osteosynthesis plate is adapted to the anatomical situation using the two plate bending forceps (1005649).

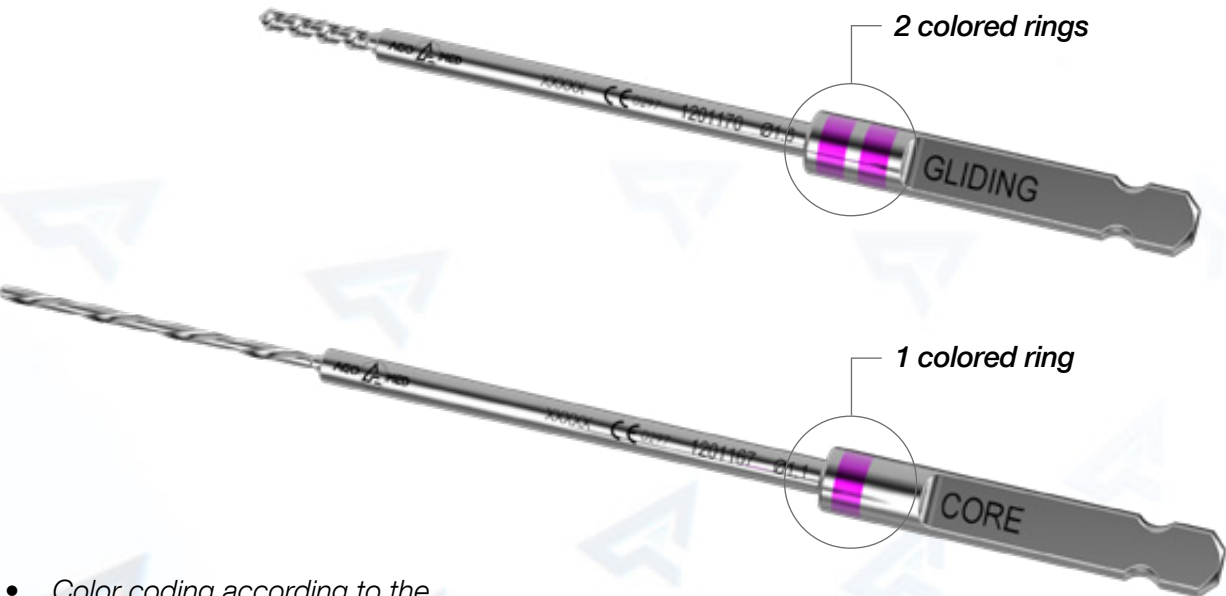
STEP 4



- **Drilling the first core hole**
Depending on the course of the fracture, fracture compression via the plate can be indicated. If this is the case, the plate must first be fixated with screws on the side opposite the compression hole.
- To this end the core hole is first drilled with the aid of the drill guide and the appropriate core hole drill. The Panda system makes it possible to use standard and multidirectional locking screws with diameters 1.5 mm, 2.0 mm and 2.3 mm in all plate holes.



IDENTIFICATION OF INSTRUMENTS



- Color coding according to the appropriate screw diameter:

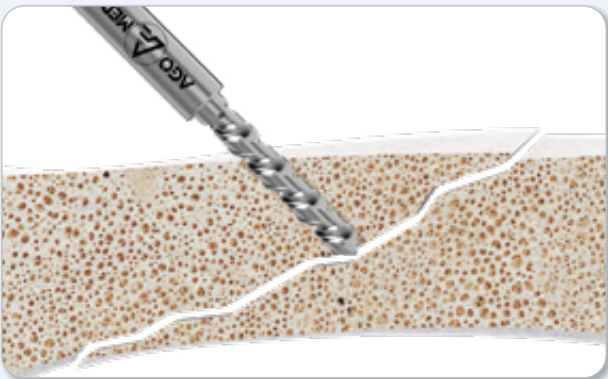
Screw Ø	Color
1.2 mm	Blue
1.5 mm	Pink
2.0 mm	Turquoise
2.3 mm	Purple

- Differentiation between core hole drilling and gliding hole drilling for lag screw osteosynthesis:
 - Core hole (1 colored ring)
 - Gliding hole (2 colored rings)



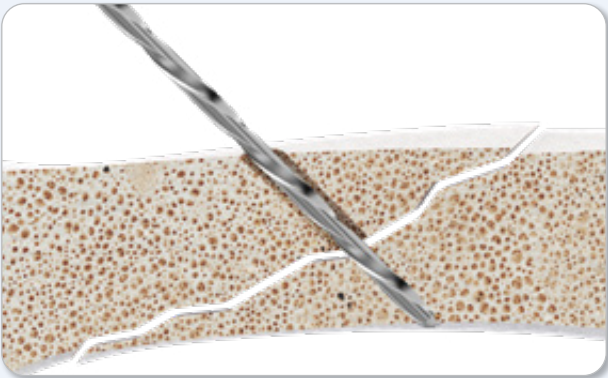
- Two drill guides available
 - Drill guide for eccentric drilling, arrows show the direction of the compression (1 color ring)
 - Drill guide for centric drilling, as well as for lag screw technic (2 color rings)

LAG SCREW TECHNIQUE

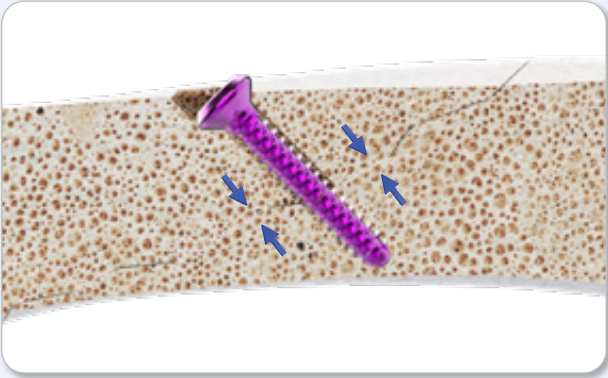
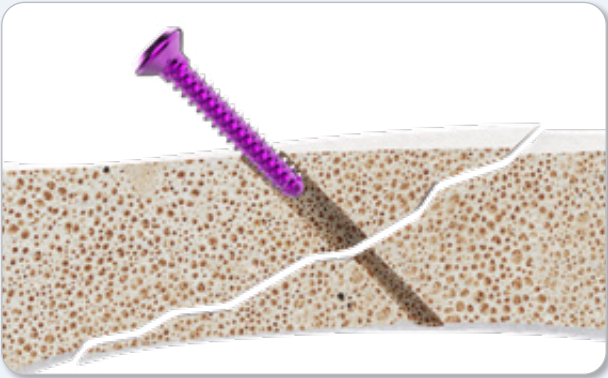


- Drilling the gliding hole**
Use the twist drill for gliding holes (two colored rings) of the same system size to overdrill the near cortex.

Note:
Do not drill further than to the fracture line.

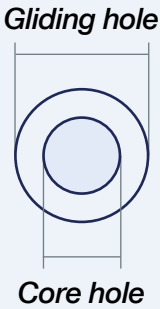


- Drilling the core hole**
Use the twist drill for core holes (one colored ring) of the required system size and drill through both cortices. Drill at a right angle to the fracture line.



- Compressing the fracture**
Compress the fracture with the corresponding cortical screw.

Note:
If the cortical bone is soft, the washers (4002062, 4002060) can be used for the cortical screw in order to distribute the forces over a larger bone surface around the screw head.



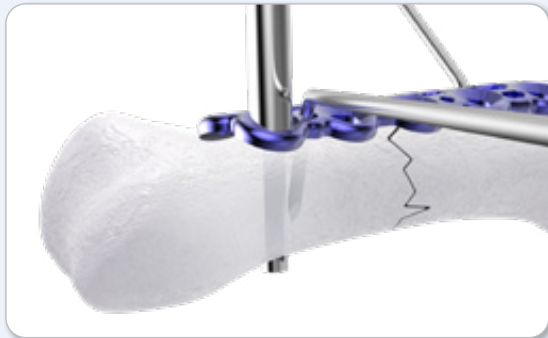


STEP 5

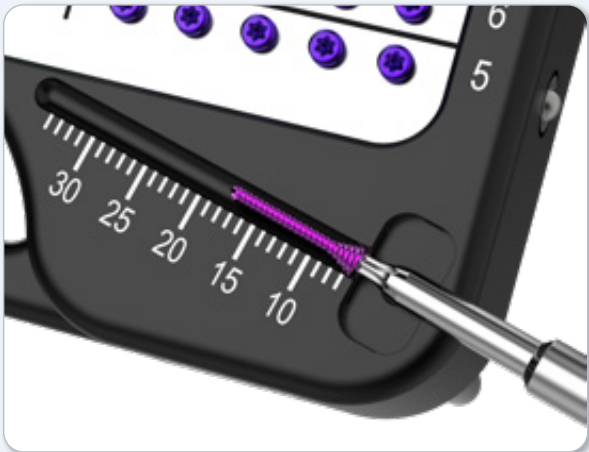
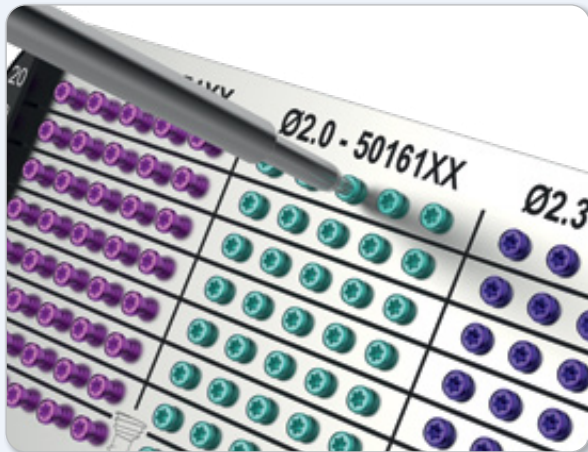


- **Determination of screw length**
Correct screw length is determined with depth gauge (1006024).

Note:
The depth gauge caliper has a hooked tip that is either inserted to the bottom of the hole or is used to catch the far cortex of the bone.

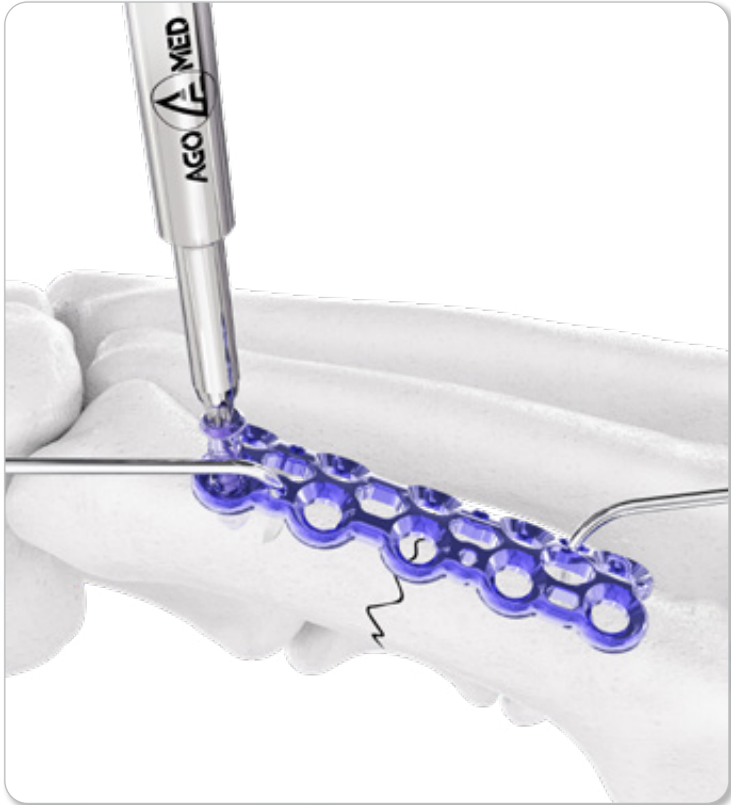


DETERMINATION OF SCREW LENGTH



- To remove the screws from the implant container, insert the appropriate screwdriver perpendicularly into the screw head of the desired screw.
- Vertically extract the screw from the compartment.
- Check the screw length at the scale of the measuring module.

STEP 6

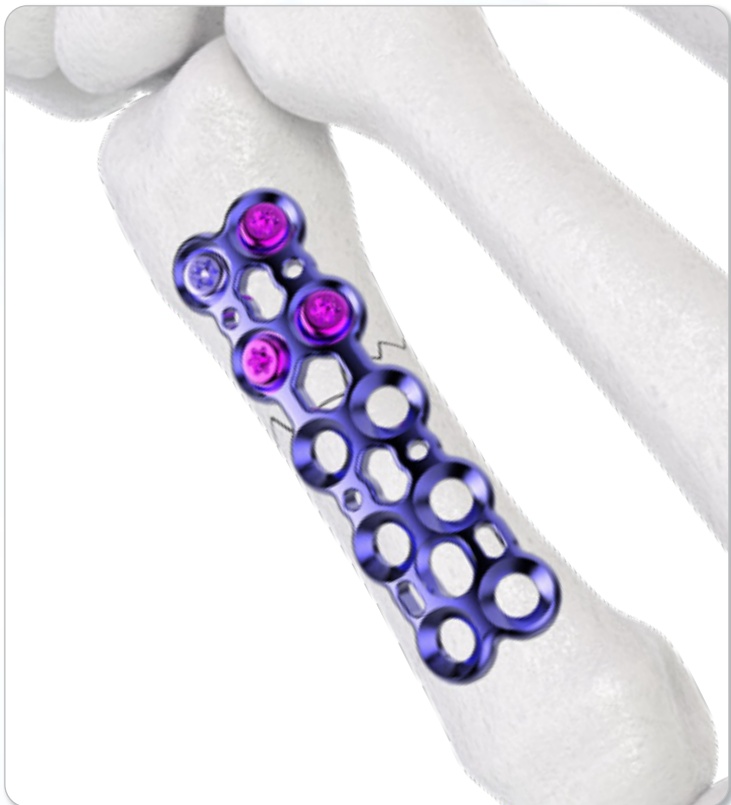


- **Placement of the first screw**
After precise reduction of the fracture the plate is fixated with a standard screw. For this purpose the screw is picked up and driven in with the color-coded screwdriver 1001013, which is used for diameters 1.5 mm, 2.0 mm and 2.3 mm.

Screwdriver blade 1001013 for diameters 1,5 mm / 2,0 mm y 2,3 mm



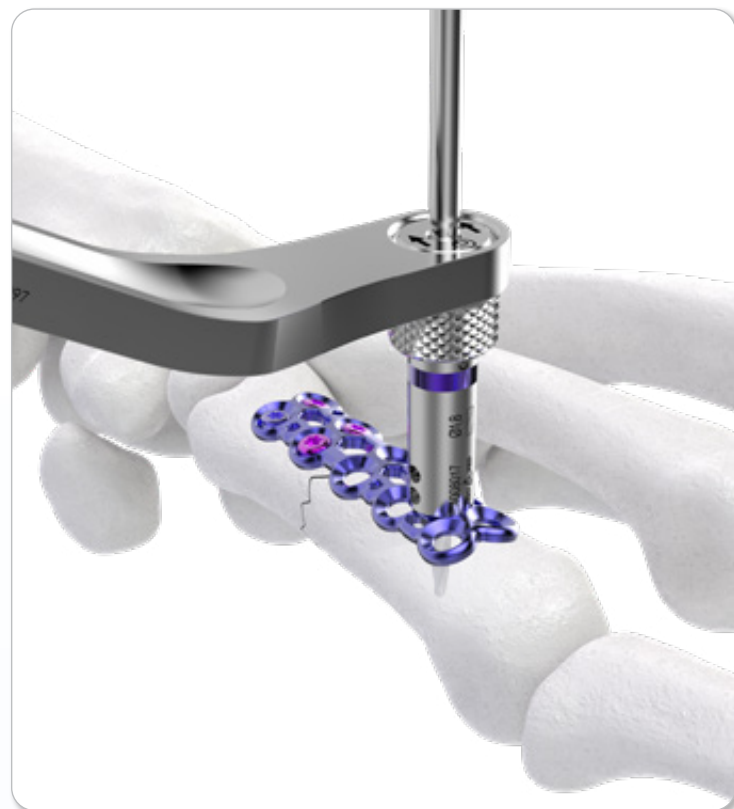
Screwdriver blade 1001045 for diameters 1,2 mm



- Now more screws are placed by means of the technique described in steps 4-6. Optionally, multidirectional locking screws can be used to increase stability.
- At this point, it is advisable to conduct a clinical assessment of correct rotation and make an X-ray to check the position of the implants.



STEP 7

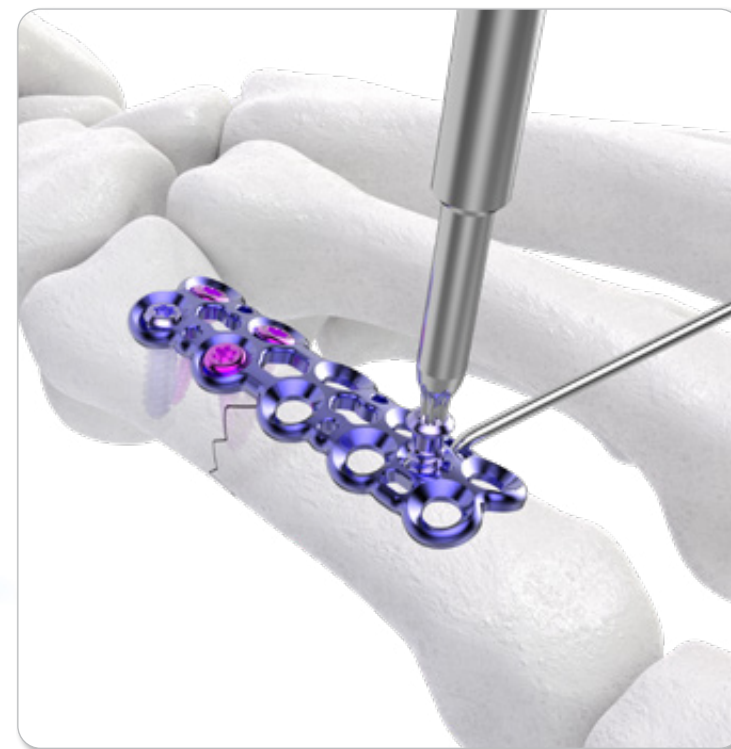


- **Placement of the compression screw**
If compression plate osteosynthesis is planned, after successful introduction of the first screws the compression screw is now introduced to the compression hole in order to securely close the fracture gap. Standard screws with diameters 1.5 mm, 2.0 mm and 2.3 mm can be used.

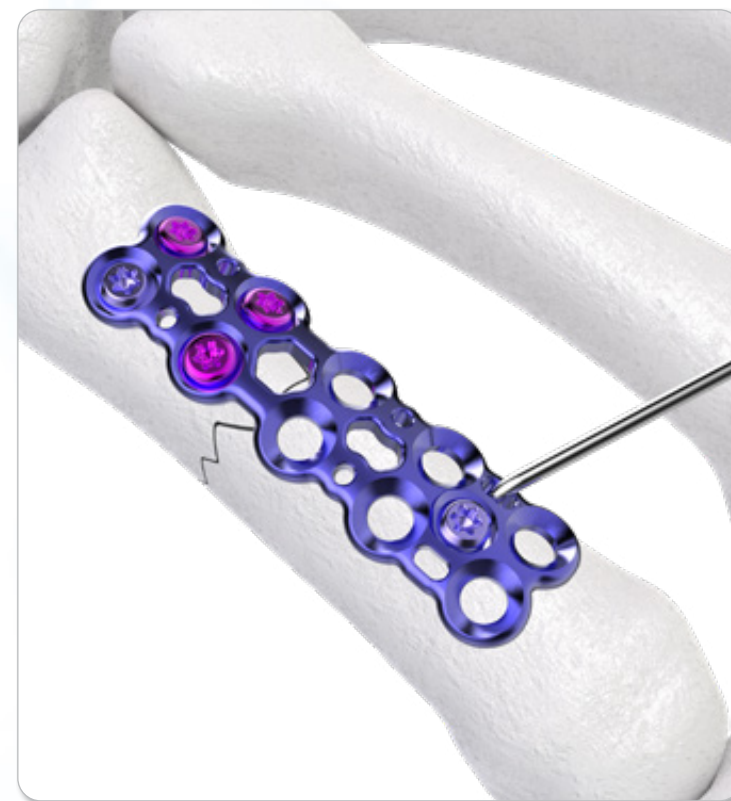


- *For this purpose the compression drill sleeve is clicked into the open working end of the handle 1008009. The arrows on the compression drill sleeve point toward the fracture gap when drilling. By analogy with the first screws, the core hole is drilled and the length of the screw is determined.*

STEP 8



- **Closing the fracture gap**
When it is being driven in, the standard screw glides over the sloping surface integrated into the compression hole, toward the fracture gap, and closes it.
- *To ensure that gliding takes place, the K-wire hole in the plate is also elongated so it allows the placed K-wire to also migrate when the fracture gap is being closed.*



Note:
In the compression hole only standard screws are used.



STEP 9



- **Placement of further screws**
To achieve adequate early functional stability more distal plate holes are filled with screws. The procedure for this is described in steps 4 to 6.
- *The number of screws and the selection of screw diameter and type depend on the specific anatomy of the patient and the required stability.*

STEP 10



- **Wound closure**
The flat implant design usually permits closure of the periosteum above the implants in order to prevent tendon adhesions.
- *That is followed by skin suture.*

STEP 11



- **Postoperative treatment**
After surgery, a detachable splint surrounding the metacarpus should be applied to protect the wound and the osteosynthesis, without including the fingers or inhibiting the metacarpophalan-geal joints.
- *If patients with stable internal fixation are cooperative, the splint can be removed when swelling has subsided, otherwise 4-6 weeks after osteosynthesis. At night the splint can be worn for a lengthy period if it helps to increase patient comfort.*
- *Patients should begin exercises themselves directly after surgery in order to achieve free mobility of all the fingers, and especially the basal joints. If problems arise, hand therapy should be initiated at an early stage.*
- *The stitches can be taken out 10 to 14 days after surgery.*
- *A confirmation X-ray is made 6 weeks after internal fixation.*

SURGICAL TECHNIQUE

OBLIQUE FRACTURE OF THE PROXIMAL PHALANX

Preoperative planning

- First of all, standard X-rays are taken in the A/P and lateral planes, with the hand in neutral position. In the case of intraarticular fractures a high-resolution computed tomography scan is recommended for further clarification.

Patient positioning

- The patient is placed in the supine position on the operating table. The hand to be operated on is placed in the pronation position of the lower arm on the extension table.

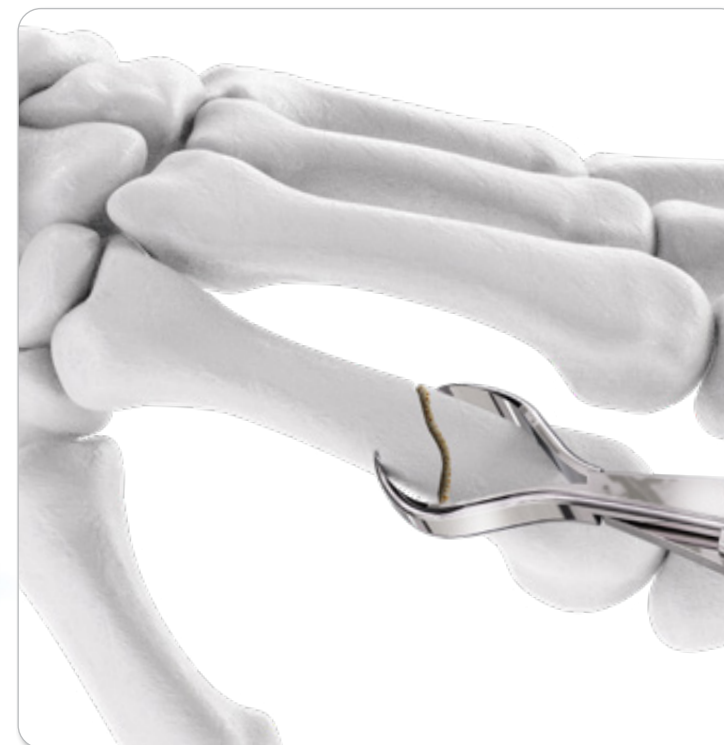
STEP 1



- Approach**
With simple types of fracture the lateral approach is recommended, with mobilization of the oblique portion, extensor aponeurosis, and lateral placement of the osteosynthesis implants.
- In the case of complex fractures or comminuted fracture zones the opening is made by a dorsal, slightly curved incision, starting at the level of the MCP joint, up to the PIP joint.
- Exposure of the fracture**
The skin incision is followed by blunt spreading of the subcutaneous tissue, with protection and local coagulation of the veins. When the extensor hood has been exposed, it is subjected to a median longitudinal incision.
- That is followed by subperiosteal exposure of the fractured proximal phalanx.



STEP 2



- Reduction of the fracture**
In addition to manual reduction of the fracture by the surgeon, either the reduction forceps 1008060 integrated into the Panda system can be used.

STEP 3



- Selection and placement of the osteosynthesis plate**
By way of example, treatment in the present indication is performed using a T-plate with a profile thickness of 0.8 mm. The osteosynthesis plate is always selected according to the course of the fracture and the patient's anatomy.
- The plate can be temporarily fixated with K-wires. Special K-wire holes are provided for this purpose. Alternatively, the reduction forceps 1008060 can also be used.

Note:

If necessary, the osteosynthesis plate is adapted to the anatomical situation using the two plate bending forceps (1005649).

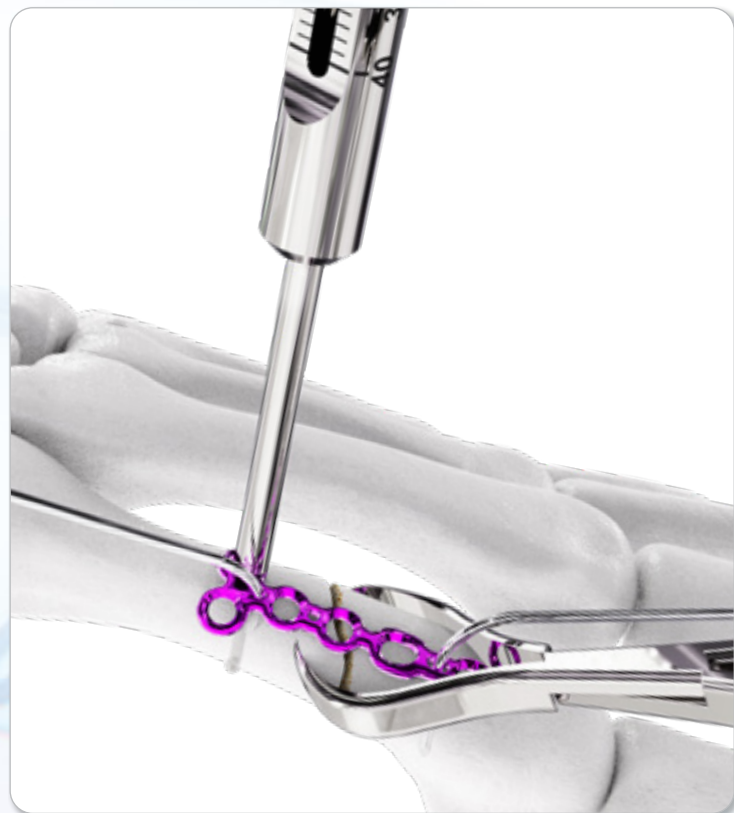


STEP 4



- **Drilling the first core hole**
Depending on the course of the fracture, fracture compression via the plate can be indicated. In this case the plate must first be fixated on the side opposite the compression hole.
- To this end the core hole is drilled with the aid of the drill guide and the appropriate core hole drill.
- The Panda system makes it possible to use standard and multidirectional locking screws with diameters 1.5 mm, 2.0 mm and 2.3 mm in all plate holes.

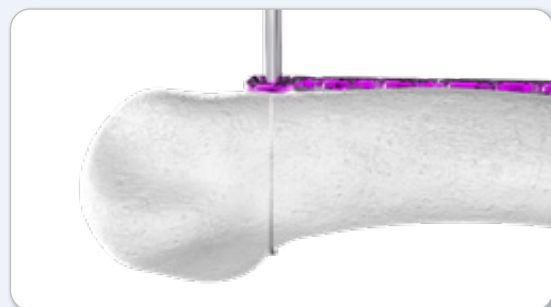
STEP 5



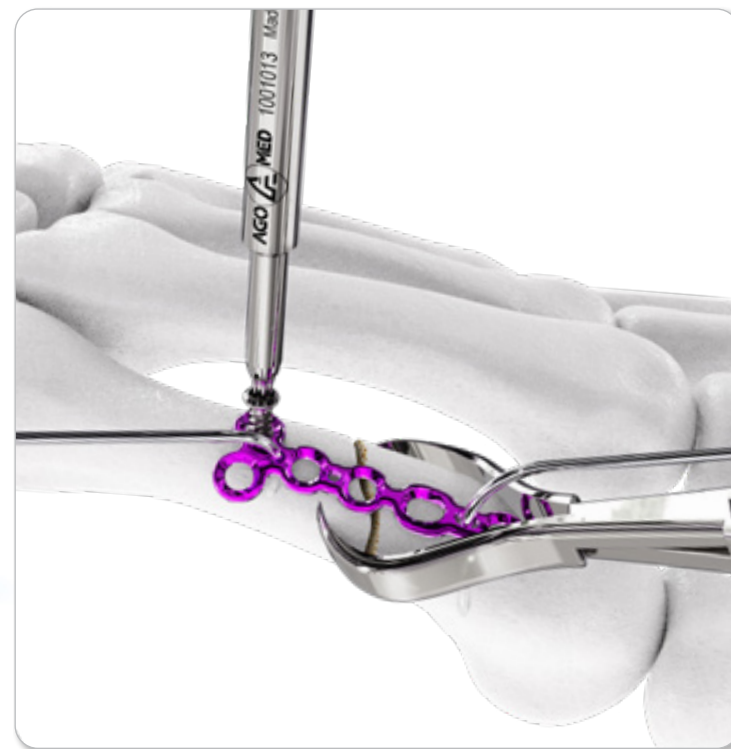
- **Determination of screw length**
Correct screw length is determined with depth gauge 1006024, which can be used in all cases for screw diameters 1.2 mm - 2.3 mm.

Note:

The depth gauge caliper has a hooked tip that is either inserted to the bottom of the hole or is used to catch the far cortex of the bone.

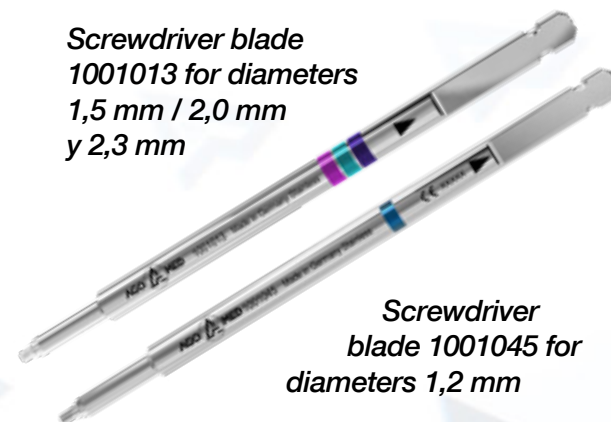


STEP 6

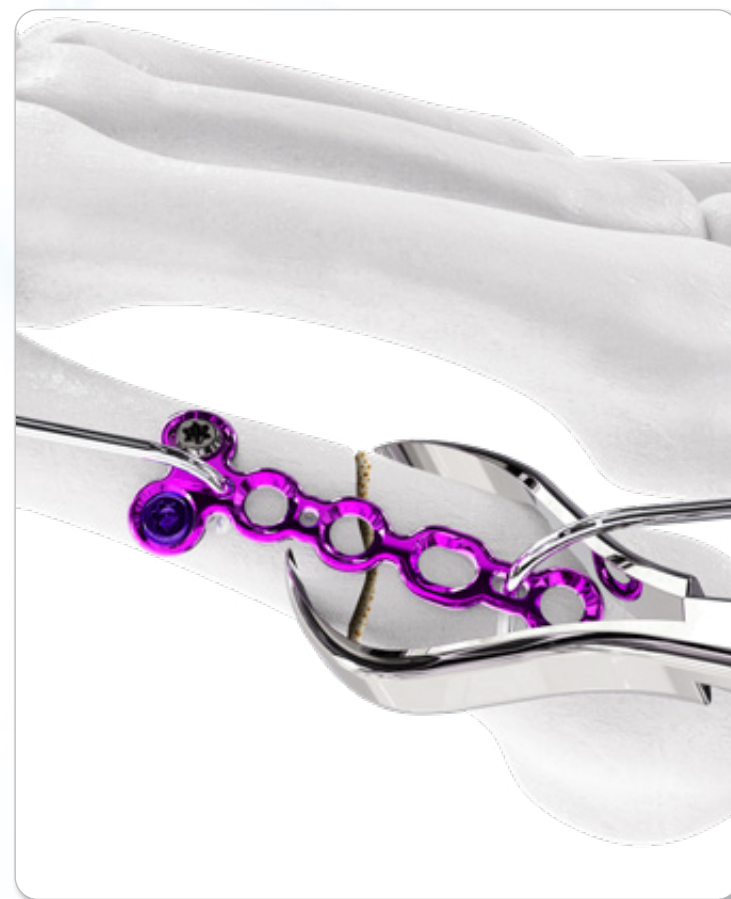


- **Placement of the first screw**
The plate is first fixated with a standard screw. For this purpose the screw is picked up and inserted with the color-coded screwdriver 1001013, which is used for diameters 1.5 mm, 2.0 mm and 2.3 mm.

Screwdriver blade
1001013 for diameters
1,5 mm / 2,0 mm
y 2,3 mm



Screwdriver
blade 1001045 for
diameters 1,2 mm



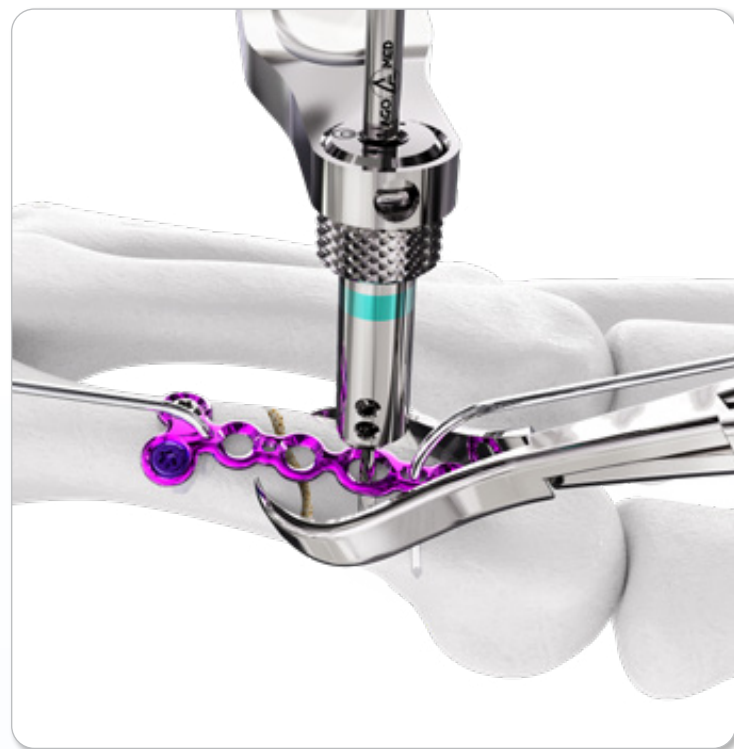
- Now the second screw is placed by means of the technique described in steps 4-6. Optionally, a multidirectional locking screw can be used to increase strength. At this point, it is advisable to conduct a clinical assessment of correct rotation and make an X-ray to check the position of the implants.

Note:

In the compression hole only standard screws are used.



STEP 7



- **Placement of the compression screw**
If compression plate osteosynthesis is planned, after successful implantation of the first screws the compression screw is now introduced to the compression hole in order to securely close the fracture gap. Standard screws with diameters 1.5 mm, 2.0 mm and 2.3 mm can be used.



- *For this purpose the compression drill sleeve is clicked into the working end of the handle 1008009. The arrows on the compression drill sleeve point toward the fracture when drilling. By analogy with the first screws, the core hole is drilled and the length of the screw is determined.*

STEP 8



- **Closing the fracture gap**
When it is being inserted, the standard screw glides over the sloping surface integrated into the compression hole, toward the fracture gap, and closes it.



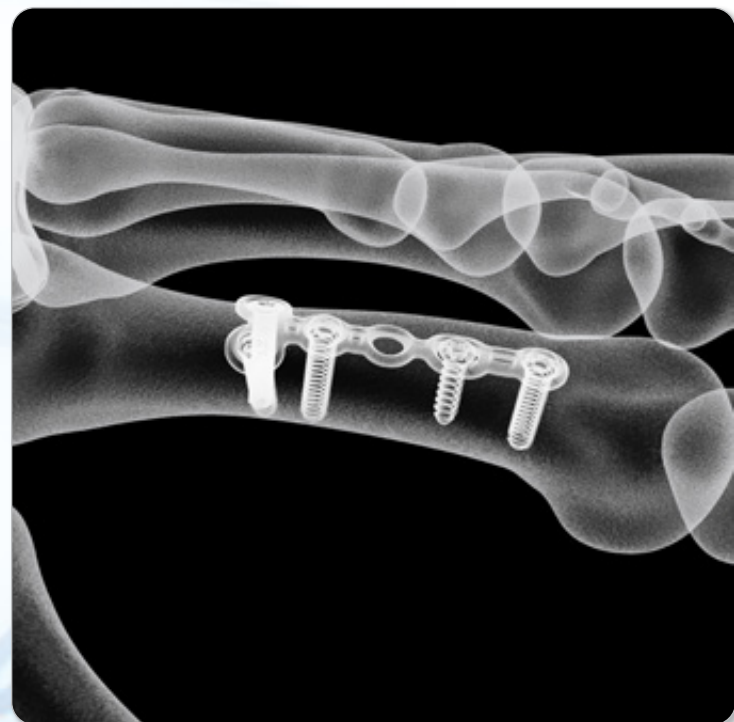
- *To ensure that gliding takes place, the K-wire hole in the plate is also elongated so it allows the placed K-wire to also migrate when the fracture gap is being closed.*

STEP 9



- **Placement of further screws**
To achieve adequate early functional stability more plate holes are filled with screws. The procedure for this is described in steps 4 to 6.
- The number of screws and the selection of screw diameter and type depend on the specific anatomy of the patient and the required stability.

STEP 10



- **Wound closure**
The flat implant design usually permits suture of the periosteum in order to prevent adhesions. That is followed by side-to-side suture of the extensor tendon and skin suture.
- **Postoperative treatment**
Following surgery, immobilization for a few days may be advisable. Early functional after-treatment should commence as early as possible, adapted according to pain and swelling.
- The injured finger can be splinted to the adjacent finger in order to neutralize lateral forces acting on the finger.

SURGICAL TECHNIQUE

BONY EXTENSOR TENDON AVULSION OF THE DISTAL PHALANX

Preoperative planning

- The X-rays are taken in the A/P and lateral planes, with the finger in neutral, focusing on the distal interphalangeal joint. The surgical indication for reduction and osteosynthesis is dislocation of the dorsal fragment and a fragment size that involves at least 1/3 of the joint surface, or palmar dislocation of the distal phalanx.

Patient positioning

- The patient is placed in the supine position on the operating table. The hand to be operated on is placed in the pronation position of the lower arm on the extension table.

STEP 1



- **Dorsal approach**
Opening is performed by making a Y-shaped skin incision over the distal interphalangeal joint on the extensor side, whereby the longitudinal portion is above the extensor tendon and terminates at the level of the distal interphalangeal joint.
- From here radial and ulnar incisions, each approximately 1 cm in length, are made on the distal palmar side of the nail fold. During incision and further preparation the nail matrix must be reliably protected.
- **Exposure of the fracture**
Skin incision is followed by exposure of the extensor aponeurosis and the joint fragment of the distal phalanx base. The still intact ulnar and radial tendon fibers and the matrix of the nail root may not be damaged. The fragment and fragment bed are cleaned to remove clots.

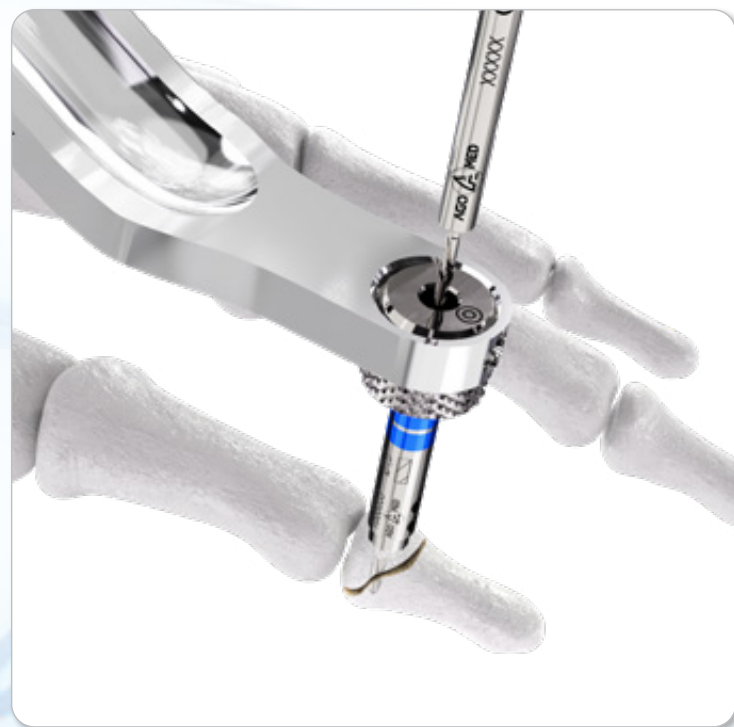


STEP 2



- **Reduction of the fracture**
The DIP joint is extended. The fracture is reduced by applying light pressure to the palmar side of the distal phalanx and simultaneously applying counter pressure with the wide end of drill guide on the extensor side.
- *The reduction is maintained with the horizontal drill guide until final fixation of the fracture.*

STEP 3



- **Drilling the core hole**
The core hole is drilled to a diameter of 1.0 mm using core hole drill. The core hole penetrates the cortical bone opposite.
- *Using the 1008009 handle with the 1.0 mm guide (1008053 with 2 blue rings) and the 1201016 drill (one blue ring), all two cortices are drilled, thus allowing the production of the hole by the compression screw. To protect the surrounding soft tissues, the guide (1008019 two rings) and the 1.2 mm drill (1201016 with two rings) are used, thus creating the sliding hole for the screw, preferably by free hand.*

STEP 4



- **Determination of screw length**
Correct screw length is determined with depth gauge 1006024.

Note:

The depth gauge caliper has a hooked tip that is either inserted to the bottom of the hole or is used to catch the far cortex of the bone.



STEP 5



- **Placement of the screw**
The fracture is fixated with a 1.2 mm diameter standard screw.
- *For this purpose the screw is picked up with color-coded screw-driver 1001045. If screw length selected is ideal, the last thread turn grips in the opposite cortical bone while the atraumatic screw tip projects slightly.*



- An X-ray check is performed to verify the position of the screw.

PASO 6



- **Wound closure**
Skin suture is performed with non-absorbable suture material using the single button technique.
- **Postoperative treatment**
After surgery, a lower-arm two-finger plaster splint is applied to the extensor side in the intrinsic-plus position, including the adjacent finger, or a plaster splint including the thumb.
- The arm should be systematically supported in a raised position and regular wound checks are recommended. Removal of the suture, usually accompanied by removal of the plaster cast, is performed about two weeks after surgery. Further immobilization of the joint that has been operated on can be achieved using a Stack splint if necessary.
- Physiotherapeutic exercise treatment (active and passive exercises) can commence.



INSTRUMENTS

1000447

Agopaqx4 instrument tray
f. Panda hand system,
w/o instruments



1000150

Agopaqx4 tray for implant
modules, w/4 lids,
w/o implant modules



1000446

Plate-tray system Panda
Hand 0.8, 1/1, w/o implants





1000445

Plate-tray system Panda
Hand 0.8, 1/2, w/o implants



1000444

Plate-tray system Panda
Hand 1.2, 1/1, w/o implants



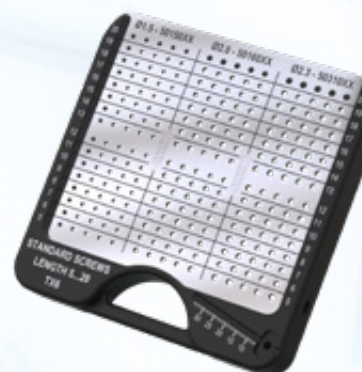
1000443

Plate-tray system Panda
Hand 1.2, 1/2, w/o implants



1000388

Screw-tray f/1.5 / 2.0 / 2.3,
standard screws,
Panda system, w/o implants



1000107

Screw-tray f/1.5 / 2.0 / 2.3,
locking screws, Panda system,
w/o implants



1000108

Screw-tray f/1.2 / 1.5 / 2.0 / 2.3,
Panda system,
w/o implants



1000455

Tray for drills 1.0 / 1.1 / 1.5 / 1.8
system Panda, w/o implants



1000456

Tray for drills 1.2 / 1.5 / 2.0 / 2.3
system Panda, w/o implants



1001013

Screwdriver blade TX 6,
90 mm, AO-shaft





1201016

Twist drill 1,0 x 80 mm,
stop 22 mm AO-shaft,
colour code blue



1201167

Twist drill 1,1 x 90 mm,
stop 26 mm AO-shaft,
colour code pink



1201168

Twist drill 1,5 x 100 mm,
stop 36 mm AO-shaft,
colour code turquoise



1201029

Twist drill 1,8 x 110 mm,
stop 36 mm AO-shaft,
colour code purple



1201169

Twist drill 1,2 x 70 mm,
stop 10 mm AO-shaft,
colour code blue



1201170

Twist drill 1,5 x 70 mm,
stop 10 mm AO-shaft,
colour code pink



1201171

Twist drill 2,0 x 70 mm,
stop 10 mm AO-shaft,
colour code turquoise



1201172

Twist drill 2,3 x 70 mm,
stop 10 mm AO-shaft,
colour code purple



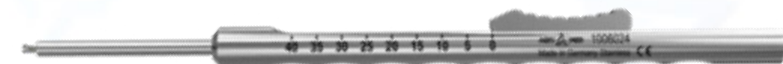
1004036

Silicone screwdriverhandle
black cannulated,
12 cm, AO-shaft



1006024

Depth gauge 40 mm,
round f. 1,2 - 2,5 mm screws



1002527

Plate- /screwholding
forceps angled, 15cm/6"



1005649

Bending pliers for plates,
Panda system



1008060

Reduction forceps, 9 cm





1101123

Kirschner wires trocar/round
1,0 x 100 mm, pack/10



1104009

K-wire dispenser 15 cm/6"
for k-wire 0,8 - 1,6 mm diameter



1008009

Handle for drill-guide,
only hand-systems



1008003

Drill-guide only, compression,
variable, length 25 mm,
drill ø 1,1, Panda system



1008001

Drill-guide only, compression,
variable, length 25 mm,
drill ø 1,5, Panda system



1008017

Drill-guide only, compression,
variable, length 25 mm,
drill ø 1,8, Panda system



1008053

Drill-guide only, variable,
length 25 mm, drill ø 1,0,
Panda system



1008018

Drill-guide only, variable,
length 25 mm, drill ø 1,1,
Panda system



1008019

Drill-guide only, variable,
length 25 mm, drill ø 1,5,
Panda system



1008002

Drill-guide only, variable,
length 25 mm, drill ø 1,8,
Panda system



OPTIONAL INSTRUMENTS

1001045

Screwdriver blade TX 5,
90 mm, AO-shaft



1300581

Reamer ø13 for plates
4002061 /4002247, AO-shaft



1300582

Reamer ø17 for plate
4002246, AO-shaft





OPTIONAL DRILLS (DENTAL-SHAFT)

1201173

Twist drill 1,0 x 80 mm,
stop 22 mm Dental-shaft,
colour code blue



1201174

Twist drill 1,1 x 90 mm,
stop 26 mm Dental-shaft,
colour code pink



1201175

Twist drill 1,5 x 100 mm,
stop 36 mm Dental-shaft,
colour code turquoise



1201176

Twist drill 1,8 x 110 mm,
stop 36 mm Dental-shaft,
colour code purple



1201177

Twist drill 1,2 x 70 mm,
stop 10 mm Dental-shaft,
colour code blue



1201178

Twist drill 1,5 x 70 mm,
stop 10 mm Dental-shaft,
colour code pink



1201179

Twist drill 2,0 x 70 mm,
stop 10 mm Dental-shaft,
colour code turquoise

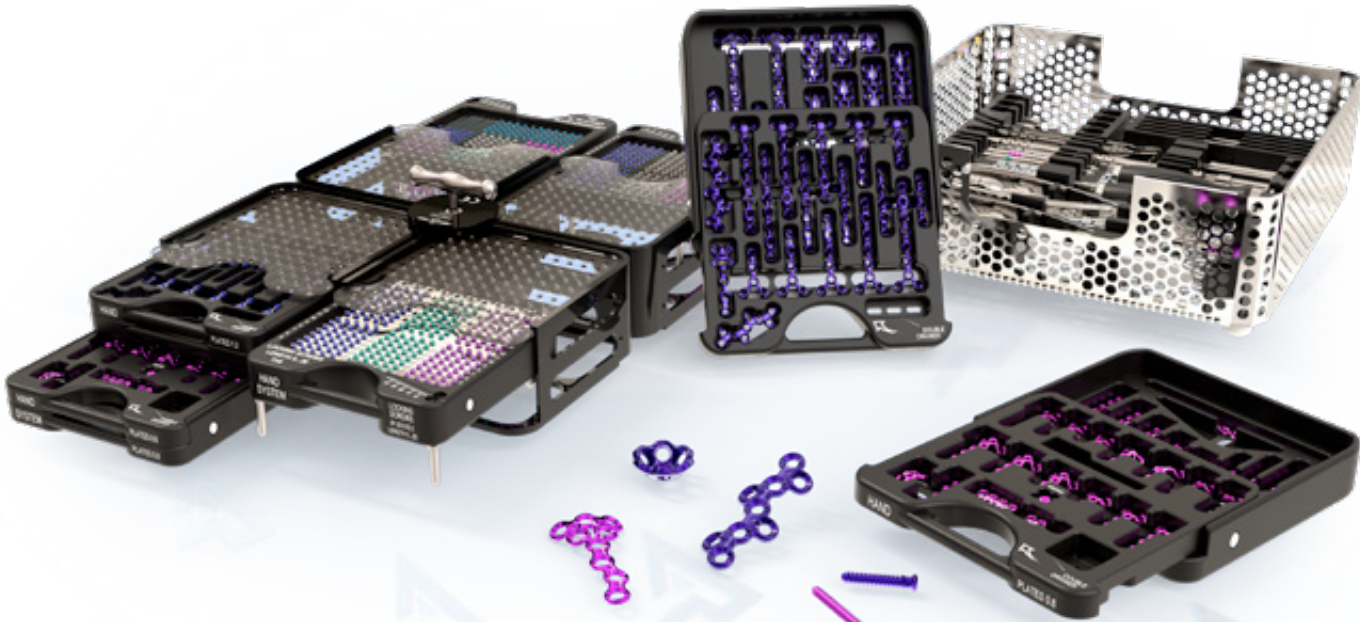


1201180

Twist drill 2,3 x 70 mm,
stop 10 mm Dental-shaft,
colour code purple



SET S1489 - PANDA HAND SYSTEM



Pos.	Cat.No.	Description	Qty.	Picture page
Containers				
1	1000447	AGOPAQX4 INSTRUMENT TRAY F. PANDA HAND SYSTEM, W/O INSTRUMENTS	1	47
2	1000150	AGOPAQX4 TRAY FOR IMPLANT MODULES W/4 LIDS, W/O IMPLANT MODULES	1	47
3	1000446	PLATE-TRAY SYSTEM PANDA HAND 0,8, 1/1, W/O IMPLANTS	1	47
4	1000445	PLATE-TRAY SYSTEM PANDA HAND 0,8, 1/2, W/O IMPLANTS	1	48
5	1000444	PLATE-TRAY SYSTEM PANDA HAND 1,2, 1/1, W/O IMPLANTS	1	48
6	1000443	PLATE-TRAY SYSTEM PANDA HAND 1,2, 1/2, W/O IMPLANTS	1	48
7	1000388	SCREW-TRAY F/1.5 / 2.0 / 2.3, STANDARD, SCREWS, PANDA SYSTEM, W/O IMPLANTS	1	48
8	1000107	SCREW-TRAY F/1.5 / 2.0 / 2.3, LOCKING SCREWS, PANDA SYSTEM, W/O IMPLANTS	1	49
9	1000108	SCREW-TRAY F/1.2 / 1.5 / 2.0 / 2.3, PANDA SYSTEM, W/O IMPLANTS	1	49
10	1000455	TRAY FOR DRILLS 1.0 / 1.1 / 1.5 / 1.8 SYSTEM PANDA, W/O IMPLANTS	1	49
11	1000456	TRAY FOR DRILLS 1.2 / 1.5 / 2.0 / 2.3 SYSTEM PANDA, W/O IMPLANTS	1	49
Instruments				
12	1001013	SCREWDRIVER BLADE TX 6, 90 MM AO-SHAFT	2	49
13	1002527	PLATE-/SCREW-HOLDING FORCEPS ANGLED, 15CM/6"	1	51
14	1004036	SILICONE SCREWDRIVERHANDLE BLACK CANNULATED, 12 CM, AO-SHAFT	2	51
15	1005649	BENDING PLIERS FOR PLATES, PANDA SYSTEM	2	51

Pos.	Cat.No.	Description	Qty.	Picture page
16	1006024	AGOMED DEPTH GAUGE 40 MM, ROUND F. 1,2 - 2,5 MM SCREWS	1	51
17	1008001	DRILL-GUIDE ONLY, COMPRESSION, VARIABLE, LENGTH 25 MM, DRILL Ø 1,5, PANDA SYSTEM	1	52
18	1008002	DRILL-GUIDE ONLY, VARIABLE, LENGTH 25 MM, DRILL Ø 1,8, PANDA SYSTEM	1	53
19	1008003	DRILL-GUIDE ONLY, COMPRESSION, VARIABLE, LENGTH 25 MM, DRILL Ø 1,1, PANDA SYSTEM	1	52
20	1008009	HANDLE FOR DRILL-GUIDE, ONLY HAND-SYSTEMS	2	52
21	1008017	DRILL-GUIDE ONLY, COMPRESSION, VARIABLE, LENGTH 25 MM, DRILL Ø 1,8, PANDA SYSTEM	1	52
22	1008018	DRILL-GUIDE ONLY, VARIABLE, LENGTH 25 MM, DRILL Ø 1,1, PANDA SYSTEM	1	53
23	1008019	DRILL-GUIDE ONLY, VARIABLE, LENGTH 25 MM, DRILL Ø 1,5, PANDA SYSTEM	1	53
24	1008053	DRILL-GUIDE ONLY, VARIABLE, LENGTH 25 MM, DRILL Ø 1,0, PANDA SYSTEM	1	53
25	1008060	REDUCTION FORCEPS, 9 CM	1	51
26	1101123	KIRSCHNER WIRES TROCAR/ROUND 1,0 X 100 MM, PACK/10	1	52
27	1104009	AGOMED K-WIRE DISPENSER 15 CM/6" FOR K-WIRE 0,8 - 1,6 MM DIAMETER	1	52
28	1201016	TWIST DRILL 1,0 X 80 MM, STOP 22 MM AO-SHAFT, COLOUR CODE BLUE	2	50
29	1201029	TWIST DRILL 1,8 X 110 MM, STOP 36 MM AO-SHAFT, COLOUR CODE PURPLE	2	50
30	1201167	TWIST DRILL 1,1 X 90 MM, STOP 26 MM AO-SHAFT, COLOUR CODE PINK	2	50
31	1201168	TWIST DRILL 1,5 X 100 MM, STOP 36 MM AO-SHAFT, COLOUR CODE TURQUOISE	2	50



Pos.	Cat.No.	Description	Qty.	Picture page
32	1201169	TWIST DRILL 1,2 X 70 MM, STOP 10 MM AO-SHAFT, COLOUR CODE BLUE	2	50
33	1201170	TWIST DRILL 1,5 X 70 MM, STOP 10 MM AO-SHAFT, COLOUR CODE PINK	2	50
34	1201171	TWIST DRILL 2,0 X 70 MM, STOP 10 MM AO-SHAFT, COLOUR CODE TURQUOISE	2	50
35	1201172	TWIST DRILL 2,3 X 70 MM, STOP 10 MM AO-SHAFT, COLOUR CODE PURPLE	2	50
Plates				
36	4002056	TITANIUM PLATE 4 HOLE, STRAIGHT, 0,8 MM	1	10
37	4002057	TITANIUM PLATE 5-HOLES, STRAIGHT, W/COMPRESSION SLOT, 0,8 MM	1	10
38	4002058	TITANIUM PLATE 6-HOLES, STRAIGHT, W/COMPRESSION SLOT, 0,8 MM	1	10
39	4002059	TITANIUM PLATE 4-HOLES, STRAIGHT, 1,2 MM	1	14
40	4002120	TITANIUM PLATE 2/3-HOLES, T-SHAPE, 90° 0,8 MM	1	13
41	4002123	TITANIUM PLATE 5-HOLES, Y-SHAPE, 0,8 MM	1	11
42	4002125	TITANIUM PLATE 5-HOLES, STRAIGHT, W/COMPRESSION SLOT, 1,2 MM	1	14
43	4002165	TITANIUM PLATE 6-HOLES, L-SHAPE, 90°, RIGHT W/COMPRESSION SLOT, 0,8 MM	1	11
44	4002166	TITANIUM PLATE 6-HOLES, L-SHAPE, 90°, LEFT W/COMPRESSION SLOT, 0,8 MM	1	11
45	4002167	TITANIUM PLATE 2/5-HOLES, T-SHAPE, 90° W/COMPRESSION SLOT, 0,8 MM	1	13
46	4002168	TITANIUM PLATE 6-HOLES, FROG, W/COMPRESSION SLOT, 0,8 MM	1	11
47	4002169	TITANIUM PLATE 2/4-HOLES, T-SHAPE, 90° W/COMPRESSION SLOT, 0,8 MM	1	13
48	4002170	TITANIUM PLATE 3/3-HOLES, T-SHAPE, 90° 0,8 MM	1	13
49	4002171	TITANIUM PLATE 6-HOLES, Y-SHAPE, W/COMPRESSION SLOT, 0,8 MM	1	11
50	4002172	TITANIUM PLATE 7-HOLES, L-SHAPE, 90°, RIGHT W/COMPRESSION SLOT, 1,2 MM	1	18
51	4002173	TITANIUM PLATE 7-HOLES, L-SHAPE, 90°, LEFT W/COMPRESSION SLOT, 1,2 MM	1	18
52	4002174	TITANIUM PLATE 5 X 2-HOLES, RECTANGULAR, W/COMPRESSION SLOT, 1,2 MM	1	15
53	4002175	TITANIUM PLATE 6 X 2-HOLES, RECTANGULAR, W/COMPRESSION SLOT, 1,2 MM	1	15
54	4002176	TITANIUM PLATE 2/3-HOLES, T-SHAPE, 90°, 1,2 MM	1	16
55	4002177	TITANIUM PLATE 2/6-HOLES, T-SHAPE, 90°, W/COMPRESSION SLOT, 1,2 MM	1	16
56	4002179	TITANIUM PLATE 6-HOLES, STRAIGHT, W/COMPRESSION SLOT, 1,2 MM	1	14
57	4002180	TITANIUM PLATE 7-HOLES, Y-SHAPE, W/COMPRESSION SLOT, 1,2 MM	1	17
58	4002181	TITANIUM PLATE 8-HOLES, Y-SHAPE, W/COMPRESSION SLOT, 1,2 MM	1	17
59	4002184	TITANIUM PLATE 2/4-HOLES, T-SHAPE, 90°, W/COMPRESSION SLOT, 1,2 MM	1	16
60	4002185	TITANIUM PLATE 3/5-HOLES, T-SHAPE, 90°, W/COMPRESSION SLOT, 1,2 MM	1	16
61	4002186	TITANIUM PLATE 3/6-HOLES, T-SHAPE, 90°, W/COMPRESSION SLOT, 1,2 MM	1	16
62	4002187	TITANIUM PLATE 6-HOLES, FROG, W/COMPRESSION SLOT, 1,2 MM	1	17
63	4002190	TITANIUM PLATE 2/5-HOLES, T-SHAPE, 90°, W/COMPRESSION SLOT, 1,2 MM	1	16
64	4002232	TITANIUM PLATE 3/4-HOLES, T-SHAPE, 90° W/COMPRESSION SLOT, 0,8 MM	1	13

Pos.	Cat.No.	Description	Qty.	Picture page
65	4002233	TITANIUM PLATE 7-HOLES, Y-SHAPE, W/COMPRESSION SLOT, 0,8 MM	1	11
66	4002234	TITANIUM PLATE 3/3-HOLES, T-SHAPE, 90°, 1,2 MM	1	16
67	4002235	TITANIUM PLATE 5-HOLES, Y-SHAPE, 1,2 MM	1	17
68	4002236	TITANIUM PLATE 3/4-HOLES, T-SHAPE, 90°, W/COMPRESSION SLOT, 1,2 MM	1	16
69	4002237	TITANIUM PLATE 6-HOLES, Y-SHAPE, W/COMPRESSION SLOT, 1,2 MM	1	17
70	4002243	TITANIUM PLATE 7-HOLES, STRAIGHT, W/COMPRESSION SLOT, 1,2 MM	1	14
71	4002381	TITANIUM PLATE 3/5-HOLES, T-SHAPE, 90° W/COMPRESSION SLOT, 0,8 MM	1	13
72	4002435	TITANIUM PLATE 2 X 2-HOLES, RECTANGULAR, 0,8 MM	1	12
73	4002437	TITANIUM PLATE 9-HOLES, Z-SHAPE 0,8 MM	1	11
74	4002439	TITANIUM PLATE 2 X 2-HOLES, RECTANGULAR, 1,2 MM	1	15
75	4002440	TITANIUM PLATE 9-HOLES, Z-SHAPE, 1,2 MM	1	17
76	4002453	TITANIUM PLATE 3 X 2-HOLES, RECTANGULAR, W/COMPRESSION SLOT, 0,8 MM	1	12
77	4002454	TITANIUM PLATE 5 X 2-HOLES, RECTANGULAR, W/COMPRESSION SLOT, 0,8 MM	1	12
78	4002455	TITANIUM PLATE 3 X 2-HOLES, RECTANGULAR, W/COMPRESSION SLOT, 1,2 MM	1	15
79	4002467	TITANIUM PLATE 4 X 2-HOLES, RECTANGULAR, W/COMPRESSION SLOT, 0,8 MM	1	12
80	4002468	TITANIUM PLATE 13-HOLES, Z-SHAPE, 0,8 MM	1	11
81	4002469	TITANIUM PLATE 6 X 2-HOLES, RECTANGULAR, W/COMPRESSION SLOT, 0,8 MM	1	12
82	4002471	TITANIUM PLATE 4 X 2-HOLES, RECTANGULAR, W/COMPRESSION SLOT, 1,2 MM	1	15
83	4002472	TITANIUM PLATE 13-HOLES, Z-SHAPE, 1,2 MM	1	17
Screws				
84	4002060	TITANIUM WASHER F. 2,0 / 2,3 MM SCREWS, 1,2 MM, PACK/5	1	20
85	4002062	TITANIUM WASHER F. 2,0 / 2,3 MM SCREWS, 0,8 MM, PACK/5	1	20
86	5015005	TITANIUM SCREW, 1,5 X 5 MM, TX 6, STANDARD, SELF-TAPPING, PACK/5	1	21
87	5015006	TITANIUM SCREW, 1,5 X 6 MM, TX 6, STANDARD, SELF-TAPPING, PACK/5	1	21
88	5015007	TITANIUM SCREW, 1,5 X 7 MM, TX 6, STANDARD, SELF-TAPPING, PACK/5	1	21
89	5015008	TITANIUM SCREW, 1,5 X 8 MM, TX 6, STANDARD, SELF-TAPPING, PACK/5	1	21
90	5015009	TITANIUM SCREW, 1,5 X 9 MM, TX 6, STANDARD, SELF-TAPPING, PACK/5	1	21
91	5015010	TITANIUM SCREW, 1,5 X 10 MM, TX 6, STANDARD, SELF-TAPPING, PACK/5	1	21
92	5015011	TITANIUM SCREW, 1,5 X 11 MM, TX 6, STANDARD, SELF-TAPPING, PACK/5	1	21
93	5015012	TITANIUM SCREW, 1,5 X 12 MM, TX 6, STANDARD, SELF-TAPPING, PACK/5	1	21
94	5015013	TITANIUM SCREW, 1,5 X 13 MM, TX 6, STANDARD, SELF-TAPPING, PACK/5	1	21
95	5015014	TITANIUM SCREW, 1,5 X 14 MM, TX 6, STANDARD, SELF-TAPPING, PACK/5	1	21
96	5015015	TITANIUM SCREW, 1,5 X 15 MM, TX 6, STANDARD, SELF-TAPPING, PACK/5	1	21
97	5015016	TITANIUM SCREW, 1,5 X 16 MM, TX 6, STANDARD, SELF-TAPPING, PACK/5	1	21

Pos.	Cat.No.	Description	Qty.	Picture page
98	5015017	TITANIUM SCREW, 1,5 X 17 MM, TX 6, STANDARD, SELF-TAPPING, PACK/5	1	21
99	5015018	TITANIUM SCREW, 1,5 X 18 MM, TX 6, STANDARD, SELF-TAPPING, PACK/5	1	21
100	5015019	TITANIUM SCREW, 1,5 X 19 MM, TX 6, STANDARD, SELF-TAPPING, PACK/5	1	21
101	5015020	TITANIUM SCREW, 1,5 X 20 MM, TX 6, STANDARD, SELF-TAPPING, PACK/5	1	21
102	5015105	TITANIUM SCREW, 1,5 X 5 MM, TX 6, THREADED HEAD, PACK/5	1	21
103	5015106	TITANIUM SCREW, 1,5 X 6 MM, TX 6, THREADED HEAD, PACK/5	1	21
104	5015107	TITANIUM SCREW, 1,5 X 7 MM, TX 6, THREADED HEAD, PACK/5	1	21
105	5015108	TITANIUM SCREW, 1,5 X 8 MM, TX 6, THREADED HEAD, PACK/5	1	21
106	5015109	TITANIUM SCREW, 1,5 X 9 MM, TX 6, THREADED HEAD, PACK/5	1	21
107	5015110	TITANIUM SCREW, 1,5 X 10 MM, TX 6, THREADED HEAD, PACK/5	1	21
108	5015111	TITANIUM SCREW, 1,5 X 11 MM, TX 6, THREADED HEAD, PACK/5	1	21
109	5015112	TITANIUM SCREW, 1,5 X 12 MM, TX 6, THREADED HEAD, PACK/5	1	21
110	5015113	TITANIUM SCREW, 1,5 X 13 MM, TX 6, THREADED HEAD, PACK/5	1	21
111	5015114	TITANIUM SCREW, 1,5 X 14 MM, TX 6, THREADED HEAD, PACK/5	1	21
112	5015115	TITANIUM SCREW, 1,5 X 15 MM, TX 6, THREADED HEAD, PACK/5	1	21
113	5015116	TITANIUM SCREW, 1,5 X 16 MM, TX 6, THREADED HEAD, PACK/5	1	21
114	5015117	TITANIUM SCREW, 1,5 X 17 MM, TX 6, THREADED HEAD, PACK/5	1	21
115	5015118	TITANIUM SCREW, 1,5 X 18 MM, TX 6, THREADED HEAD, PACK/5	1	21
116	5015119	TITANIUM SCREW, 1,5 X 19 MM, TX 6, THREADED HEAD, PACK/5	1	21
117	5015120	TITANIUM SCREW, 1,5 X 20 MM, TX 6, THREADED HEAD, PACK/5	1	21
118	5016005	TITANIUM SCREW, 2,0 X 5 MM, TX 6, STANDARD, SELF-TAPPING, PACK/5	1	22
119	5016006	TITANIUM SCREW, 2,0 X 6 MM, TX 6, STANDARD, SELF-TAPPING, PACK/5	1	22
120	5016007	TITANIUM SCREW, 2,0 X 7 MM, TX 6, STANDARD, SELF-TAPPING, PACK/5	1	22
121	5016008	TITANIUM SCREW, 2,0 X 8 MM, TX 6, STANDARD, SELF-TAPPING, PACK/5	1	22
122	5016009	TITANIUM SCREW, 2,0 X 9 MM, TX 6, STANDARD, SELF-TAPPING, PACK/5	1	22
123	5016010	TITANIUM SCREW, 2,0 X 10 MM, TX 6, STANDARD, SELF-TAPPING, PACK/5	1	22
124	5016011	TITANIUM SCREW, 2,0 X 11 MM, TX 6, STANDARD, SELF-TAPPING, PACK/5	1	22
125	5016012	TITANIUM SCREW, 2,0 X 12 MM, TX 6, STANDARD, SELF-TAPPING, PACK/5	1	22
126	5016013	TITANIUM SCREW, 2,0 X 13 MM, TX 6, STANDARD, SELF-TAPPING, PACK/5	1	22
127	5016014	TITANIUM SCREW, 2,0 X 14 MM, TX 6, STANDARD, SELF-TAPPING, PACK/5	1	22
128	5016015	TITANIUM SCREW, 2,0 X 15 MM, TX 6, STANDARD, SELF-TAPPING, PACK/5	1	22
129	5016016	TITANIUM SCREW, 2,0 X 16 MM, TX 6, STANDARD, SELF-TAPPING, PACK/5	1	22
130	5016017	TITANIUM SCREW, 2,0 X 17 MM, TX 6, STANDARD, SELF-TAPPING, PACK/5	1	22
131	5016018	TITANIUM SCREW, 2,0 X 18 MM, TX 6, STANDARD, SELF-TAPPING, PACK/5	1	22
132	5016019	TITANIUM SCREW, 2,0 X 19 MM, TX 6, STANDARD, SELF-TAPPING, PACK/5	1	22
133	5016020	TITANIUM SCREW, 2,0 X 20 MM, TX 6, STANDARD, SELF-TAPPING, PACK/5	1	22

Pos.	Cat.No.	Description	Qty.	Picture page
134	5016105	TITANIUM SCREW 2,0 X 5 MM, TX 6, THREADED HEAD, PACK/5	1	22
135	5016106	TITANIUM SCREW 2,0 X 6 MM, TX 6, THREADED HEAD, PACK/5	1	22
136	5016107	TITANIUM SCREW 2,0 X 7 MM, TX 6, THREADED HEAD, PACK/5	1	22
137	5016108	TITANIUM SCREW 2,0 X 8 MM, TX 6, THREADED HEAD, PACK/5	1	22
138	5016109	TITANIUM SCREW 2,0 X 9 MM, TX 6, THREADED HEAD, PACK/5	1	22
139	5016110	TITANIUM SCREW 2,0 X 10 MM, TX 6, THREADED HEAD, PACK/5	1	22
140	5016111	TITANIUM SCREW 2,0 X 11 MM, TX 6, THREADED HEAD, PACK/5	1	22
141	5016112	TITANIUM SCREW 2,0 X 12 MM, TX 6, THREADED HEAD, PACK/5	1	22
142	5016113	TITANIUM SCREW 2,0 X 13 MM, TX 6, THREADED HEAD, PACK/5	1	22
143	5016114	TITANIUM SCREW 2,0 X 14 MM, TX 6, THREADED HEAD, PACK/5	1	22
144	5016115	TITANIUM SCREW 2,0 X 15 MM, TX 6, THREADED HEAD, PACK/5	1	22
145	5016116	TITANIUM SCREW 2,0 X 16 MM, TX 6, THREADED HEAD, PACK/5	1	22
146	5016117	TITANIUM SCREW 2,0 X 17 MM, TX 6, THREADED HEAD, PACK/5	1	22
147	5016118	TITANIUM SCREW 2,0 X 18 MM, TX 6, THREADED HEAD, PACK/5	1	22
148	5016119	TITANIUM SCREW 2,0 X 19 MM, TX 6, THREADED HEAD, PACK/5	1	22
149	5016120	TITANIUM SCREW 2,0 X 20 MM, TX 6, THREADED HEAD, PACK/5	1	22
150	5031005	TITANIUM SCREW 2,3 X 5 MM, TX 6, STANDARD, SELF-TAPPING, PACK/5	1	23
151	5031006	TITANIUM SCREW 2,3 X 6 MM, TX 6, STANDARD, SELF-TAPPING, PACK/5	1	23
152	5031007	TITANIUM SCREW 2,3 X 7 MM, TX 6, STANDARD, SELF-TAPPING, PACK/5	1	23
153	5031008	TITANIUM SCREW 2,3 X 8 MM, TX 6, STANDARD, SELF-TAPPING, PACK/5	1	23
154	5031009	TITANIUM SCREW 2,3 X 9 MM, TX 6, STANDARD, SELF-TAPPING, PACK/5	1	23
155	5031010	TITANIUM SCREW 2,3 X 10 MM, TX 6, STANDARD, SELF-TAPPING, PACK/5	1	23
156	5031011	TITANIUM SCREW 2,3 X 11 MM, TX 6, STANDARD, SELF-TAPPING, PACK/5	1	23
157	5031012	TITANIUM SCREW 2,3 X 12 MM, TX 6, STANDARD, SELF-TAPPING, PACK/5	1	23
158	5031013	TITANIUM SCREW 2,3 X 13 MM, TX 6, STANDARD, SELF-TAPPING, PACK/5	1	23
159	5031014	TITANIUM SCREW 2,3 X 14 MM, TX 6, STANDARD, SELF-TAPPING, PACK/5	1	23
160	5031015	TITANIUM SCREW 2,3 X 15 MM, TX 6, STANDARD, SELF-TAPPING, PACK/5	1	23
161	5031016	TITANIUM SCREW 2,3 X 16 MM, TX 6, STANDARD, SELF-TAPPING, PACK/5	1	23
162	5031017	TITANIUM SCREW 2,3 X 17 MM, TX 6, STANDARD, SELF-TAPPING, PACK/5	1	23
163	5031018	TITANIUM SCREW 2,3 X 18 MM, TX 6, STANDARD, SELF-TAPPING, PACK/5	1	23
164	5031019	TITANIUM SCREW 2,3 X 19 MM, TX 6, STANDARD, SELF-TAPPING, PACK/5	1	23
165	5031020	TITANIUM SCREW 2,3 X 20 MM, TX 6, STANDARD, SELF-TAPPING, PACK/5	1	23
166	5031105	TITANIUM SCREW 2,3 X 5 MM, TX 6, THREADED HEAD, PACK/5	1	23
167	5031106	TITANIUM SCREW 2,3 X 6 MM, TX 6, THREADED HEAD, PACK/5	1	23
168	5031107	TITANIUM SCREW 2,3 X 7 MM, TX 6, THREADED HEAD, PACK/5	1	23
169	5031108	TITANIUM SCREW 2,3 X 8 MM, TX 6, THREADED HEAD, PACK/5	1	23



Pos.	Cat.No.	Description	Qty.	Picture page
170	5031109	TITANIUM SCREW 2,3 X 9 MM, TX 6, THREADED HEAD, PACK/5	1	23
171	5031110	TITANIUM SCREW 2,3 X 10 MM, TX 6, THREADED HEAD, PACK/5	1	23
172	5031111	TITANIUM SCREW 2,3 X 11 MM, TX 6, THREADED HEAD, PACK/5	1	23
173	5031112	TITANIUM SCREW 2,3 X 12 MM, TX 6, THREADED HEAD, PACK/5	1	23
174	5031113	TITANIUM SCREW 2,3 X 13 MM, TX 6, THREADED HEAD, PACK/5	1	23
175	5031114	TITANIUM SCREW 2,3 X 14 MM, TX 6, THREADED HEAD, PACK/5	1	23

Pos.	Cat.No.	Description	Qty.	Picture page
176	5031115	TITANIUM SCREW 2,3 X 15 MM, TX 6, THREADED HEAD, PACK/5	1	23
177	5031116	TITANIUM SCREW 2,3 X 16 MM, TX 6, THREADED HEAD, PACK/5	1	23
178	5031117	TITANIUM SCREW 2,3 X 17 MM, TX 6, THREADED HEAD, PACK/5	1	23
179	5031118	TITANIUM SCREW 2,3 X 18 MM, TX 6, THREADED HEAD, PACK/5	1	23
180	5031119	TITANIUM SCREW 2,3 X 19 MM, TX 6, THREADED HEAD, PACK/5	1	23
181	5031120	TITANIUM SCREW 2,3 X 20 MM, TX 6, THREADED HEAD, PACK/5	1	23

NOTES

NOTES



NOTES



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Radius system 2.5



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Cannulated
Screws



2010002

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system



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2010033

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system



2010030

Pediatric
Screw system 6.2



2010017

AGO-Pediatric
system 3.5 / 4.0



2010003

Titanium plating system
for craniomaxillofacial osteosynthesis



2010008

AgoFix Neuro
Plating system 1.5



2010016

Titanium Mesh systems for
craniomaxillofacial osteosynthesis / Neuro





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