

Go to Market Erisma[®]-LP EVOLUTION

Long Constructs



Part 2 – Key Features & Surgical Technique

ERISMA[®]-LP Product Family

Erisma[®]
Deformity



Long Constructs

Erisma[®]-LP
EVOLUTION



Short Constructs

Erisma[®] - LP MIS



Percutaneous

ERISMA[®]-LP EVOLUTION

Contents:

Part 2: Key Features & Surgical Technique

➤ Key Features

- Implants
- Instruments

➤ Surgical Technique

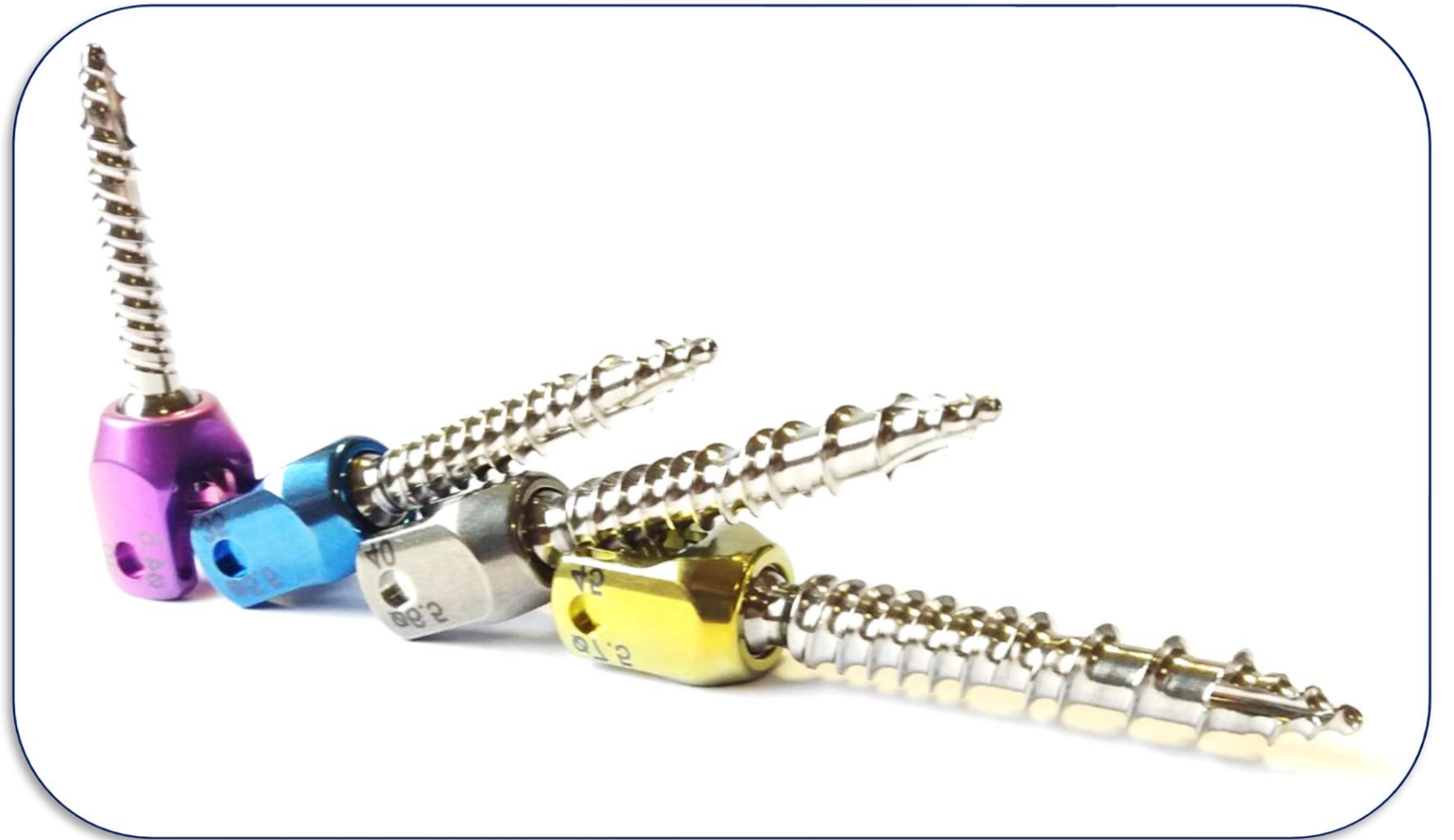
- Hook Placement
- Correction Techniques
- Iliac & Sacral Fixation

Key Features - Implants

➤ Implants

➤ Instruments

➤ Surgical Technique



Key Features - Implants

The ERISMA[®]-LP EVOLUTION system is composed of:

- Pedicle screws
- Rods
- Hooks
- Dominos
- Iliac Screws & Connectors
- Sacral Screw & Connector

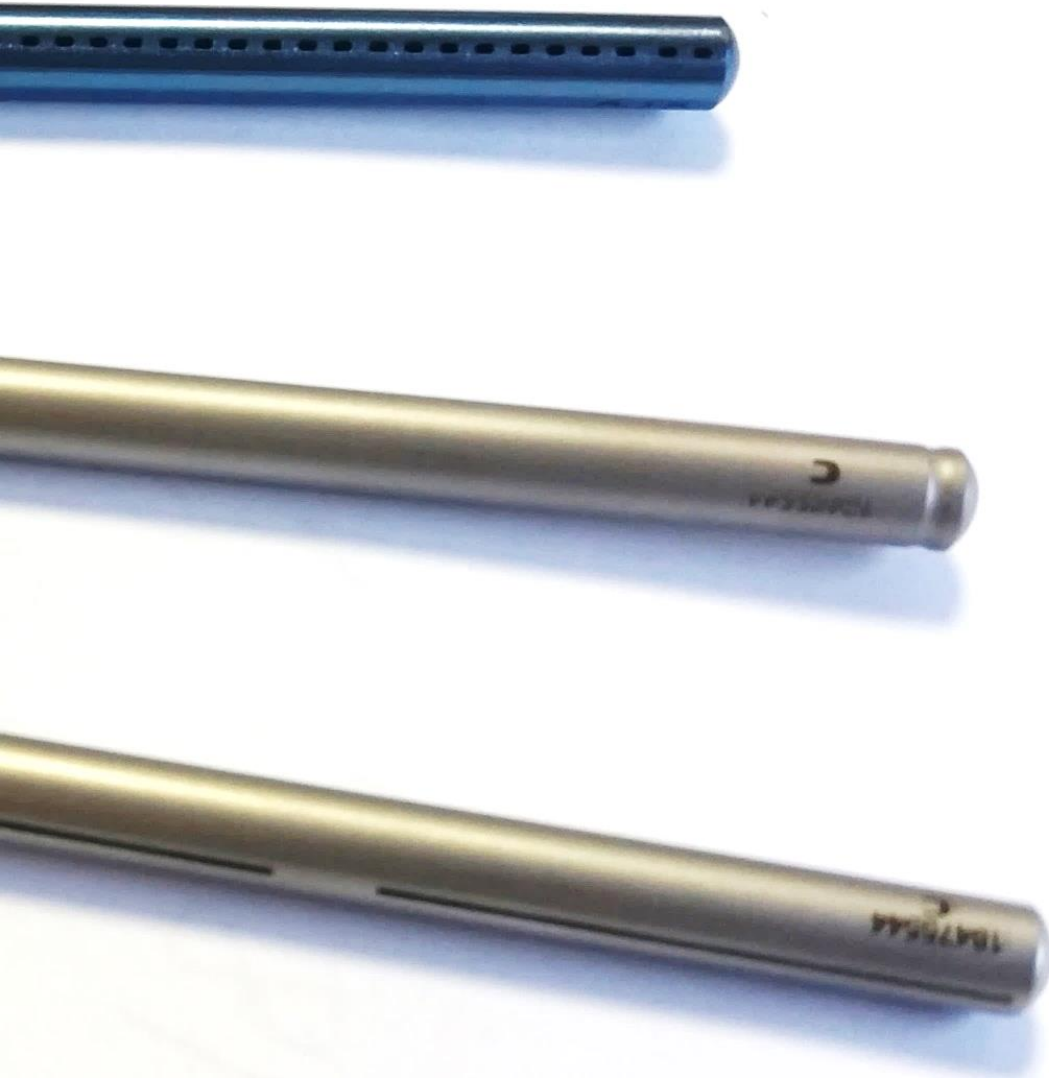


Key Features - Implants

-General Long Rods-

All Rods: $\varnothing = 5,5\text{mm}$

- ✓ Standard TA6V Titanium Rod
- ✓ Standard Stiff Chrome Cobalt Rod
- ✓ **Unique** Malleable Stiff Chrome Cobalt Rod



Key Features - Implants

- Standard TA6V Titanium Rods-



- Engraved line to control the rotation visually in-situ.
- Useful in case of allergy to Chrome Cobalt Material

Length in MM	Reference
120	18455512
140	18455514
160	18455516
180	18455518
200	18455520
220	18455522
240	18455524
400	18455540
440	18455544

Key Features - Implants

-Standard Chrome Cobalt Rods-



- ✓ Engraved line to control the rotation visually in-situ.

- The Chrome Cobalt Rods are much stiffer than the titanium rod (75N/mm CrCo vs. 43N/mm TA6V) :

Stiffer Rod



Less risk of loss of correction than with TA6V

- Ideal for long construct & adult patients
- Ideal for rod rotation and approximation techniques
- Attention: Harder to bent and cut than the titanium rods

Length in MM

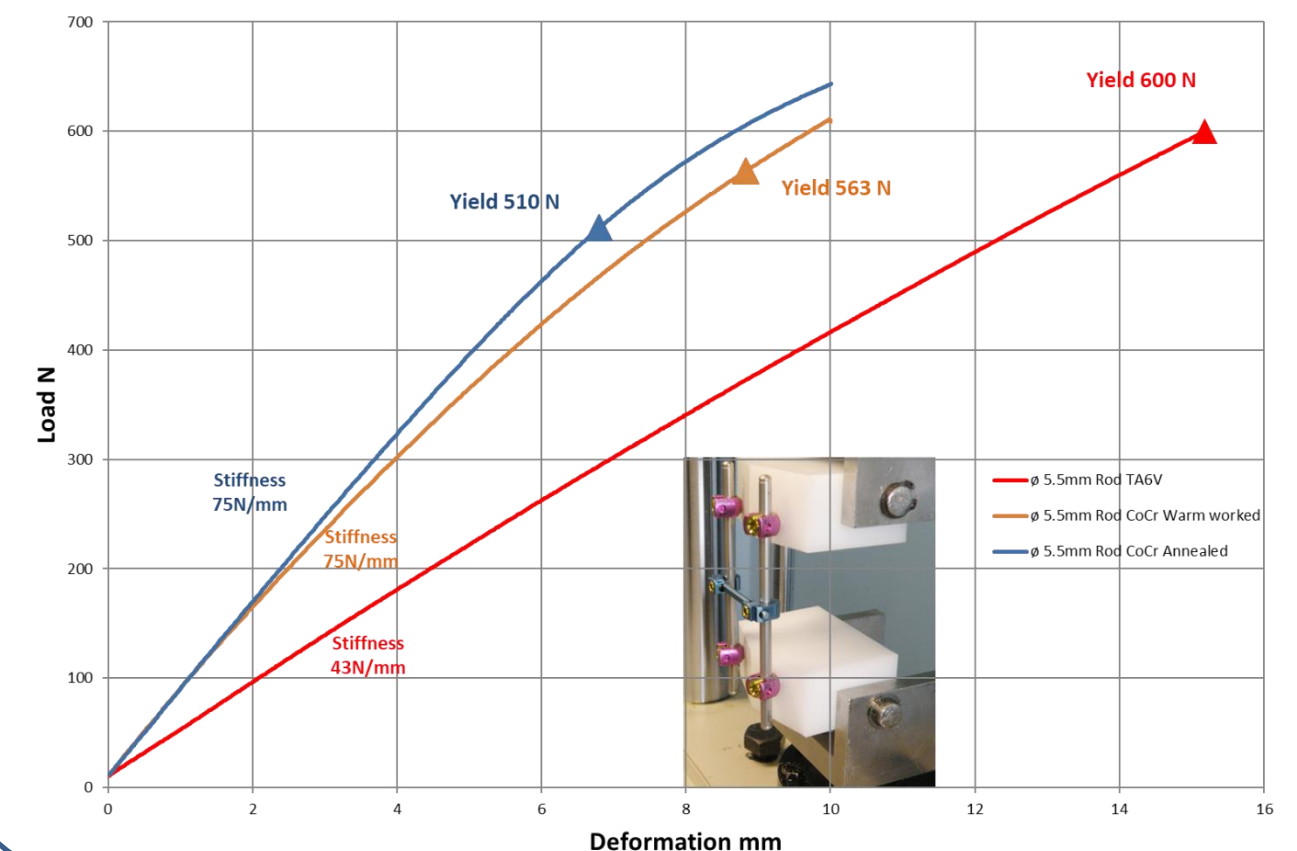
440

540

Reference

18475544

18475554



Key Features - Implants

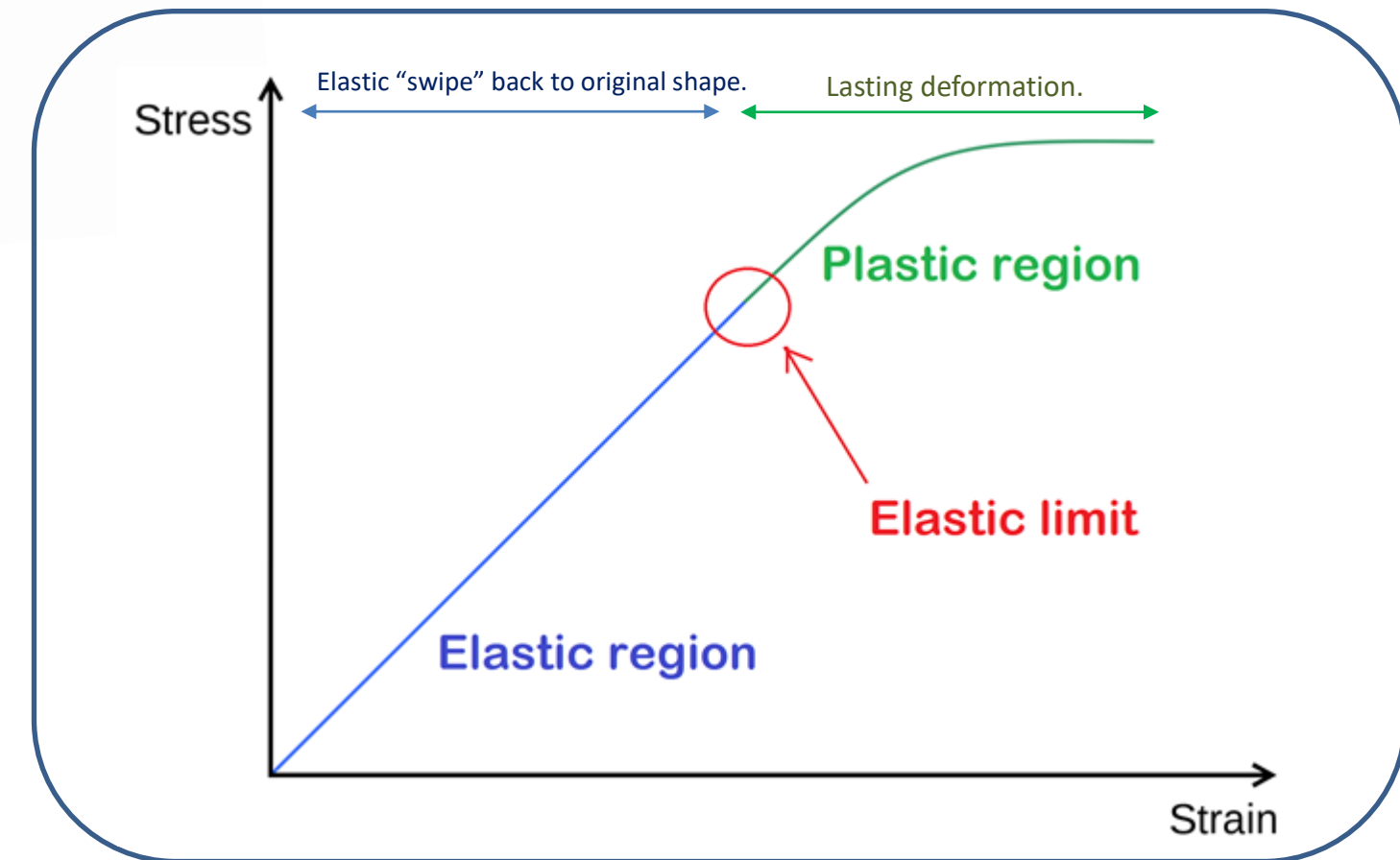
- *Unique Malleable Stiff Chrome Cobalt Rods-*



- The Malleable Stiff Chrome Cobalt Rod is as stiff as the standard chrome cobalt rod (75N/mm)
- But the **elastic limit** of the Malleable Stiff CrCo rod **is lower** than both titanium and standard chrome cobalt rods:

=> Very reduced need to overbent the rod to obtain a curve

=> This reduces the needed effort to bend the rod



MALLEABLE & STIFF

- Ideal for any deformity correction technique!
- Always to be promoted and recommended!

Key Features - Implants

- *Unique Malleable Stiff Chrome Cobalt Rods-*



- The Malleable Stiff Chrome Cobalt Rods are much stiffer than the titanium rod (75N/mm CrCo vs. 43N/mm TA6V) :
 - Ideal for long constructs & adult patients
 - Ideal for in-situ bending, rod rotation and approximation techniques
 - Less risk of loss of correction than with TA6V

Length in MM

Reference

440

18485544

540

18485554

UNIQUE

✓ No competitor propose a similar rod

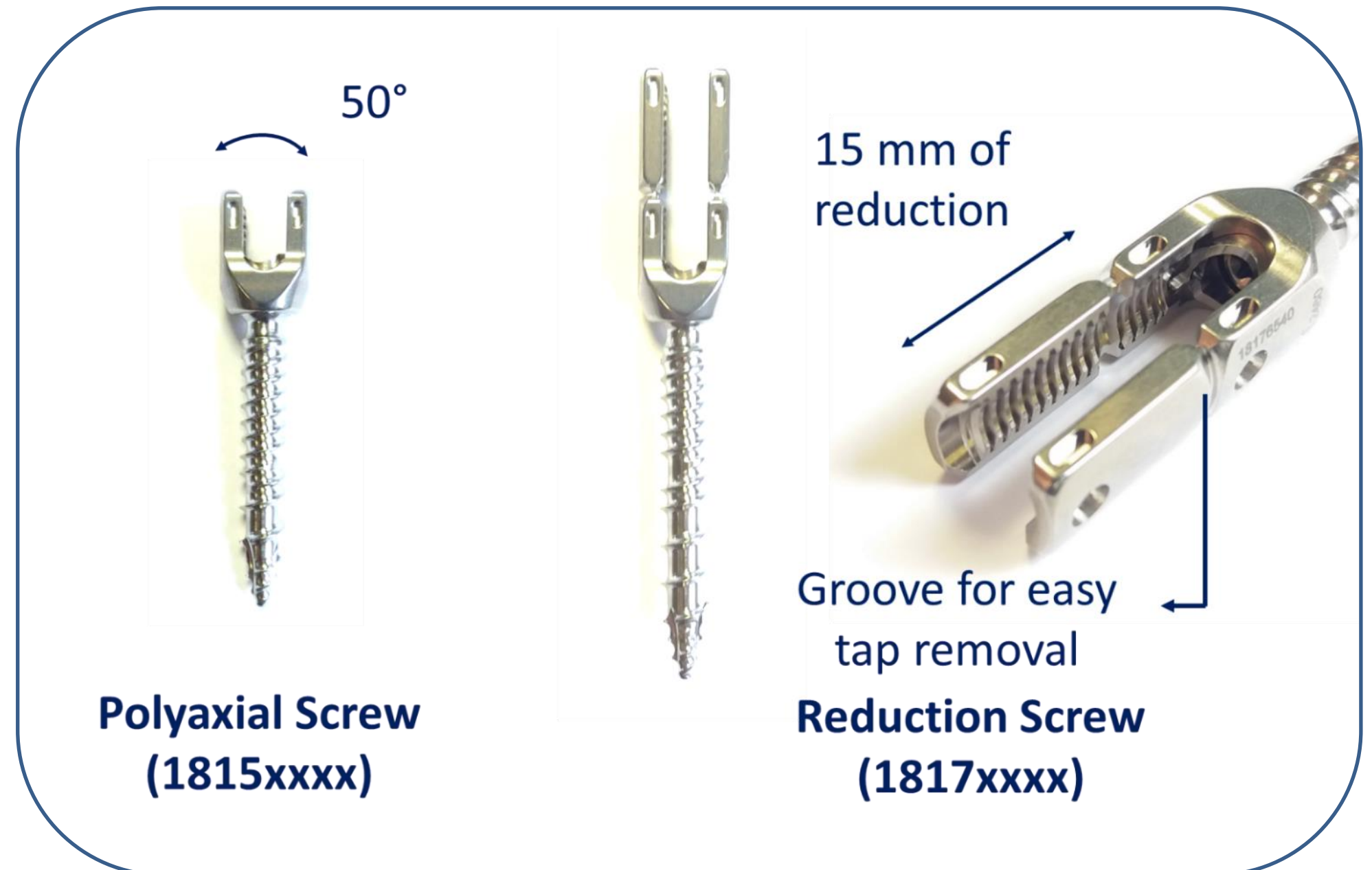
✓ Groove at the end of the rod allow to easily distinguish the two types of Chrome Cobalt rods.

Key Features - Implants

- Pedicle Screws-

Screw Types Available:

- Monoaxial screws (1801xxxx)
- Polyaxial screws (1815xxxx)
- Monoaxial Reduction screws (1800xxxx)
- Polyaxial Reduction screws (1817xxxx)
- Uniplanar screws (coming soon)

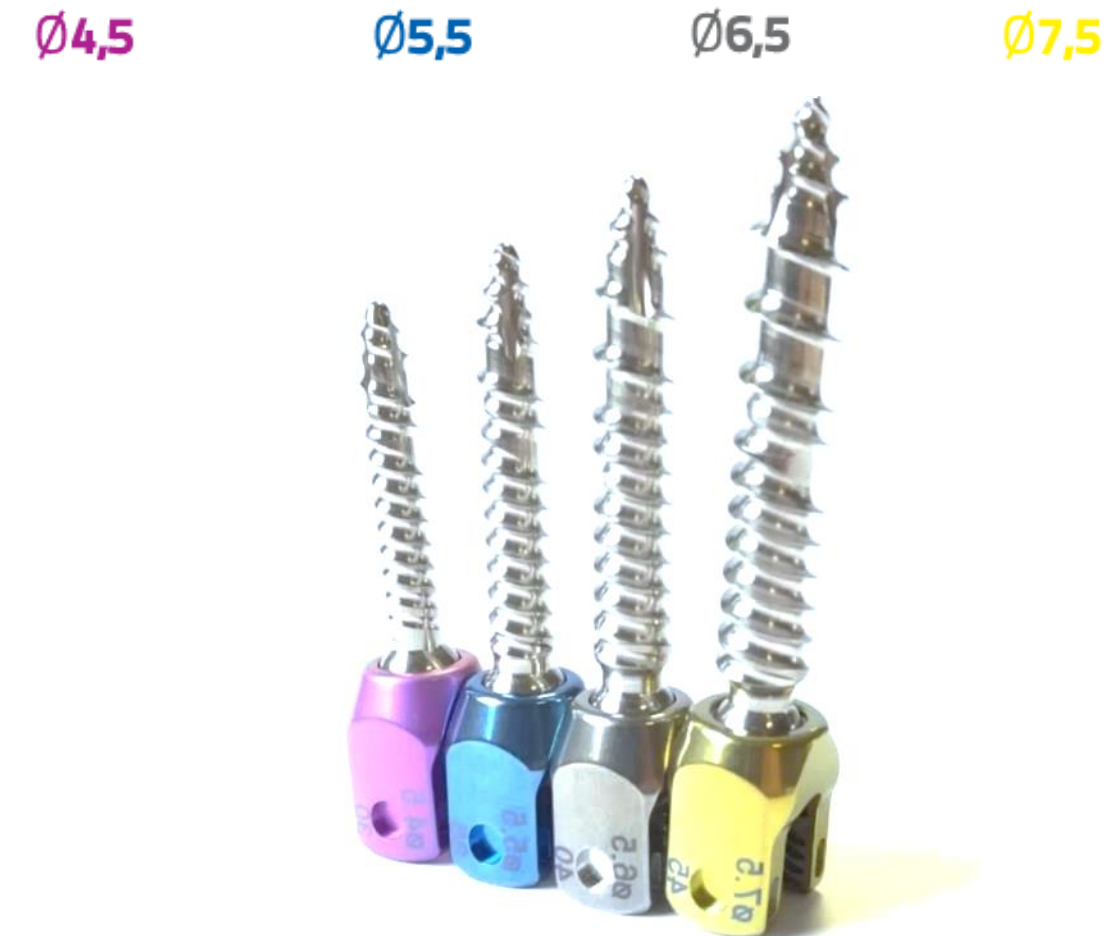


Key Features - Implants

- Pedicle Screws-



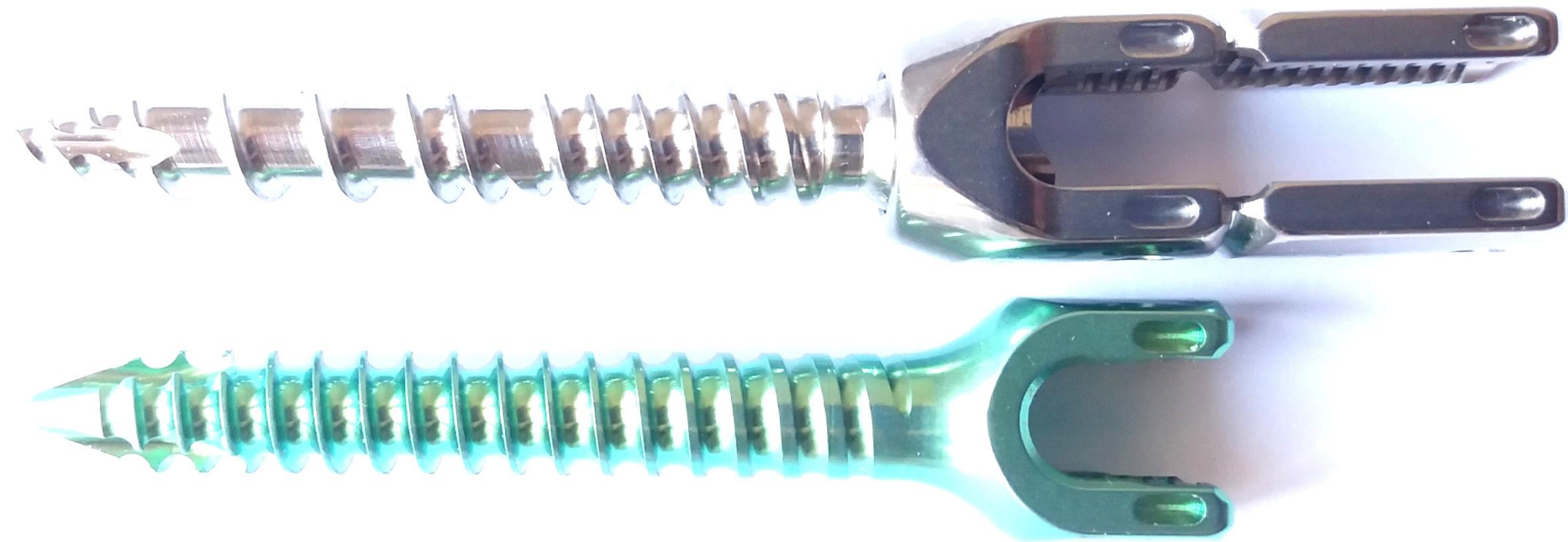
Color Coding According to Diameter – Monoaxial screws



Color Coding According to Diameter – Polyaxial screws

Key Features - Implants

- Pedicle Screws Single or Double Thread-



- The mono-axial screw are provided with a single thread path.
- The reason is, that as the screwhead is fixed, in order to adjust screw height, it is necessary to turn the screw half a turn. If the mono-axial screw was double threaded, the change in screw height would be too important when making half a turn.

Key Features - Implants

- General Hooks-

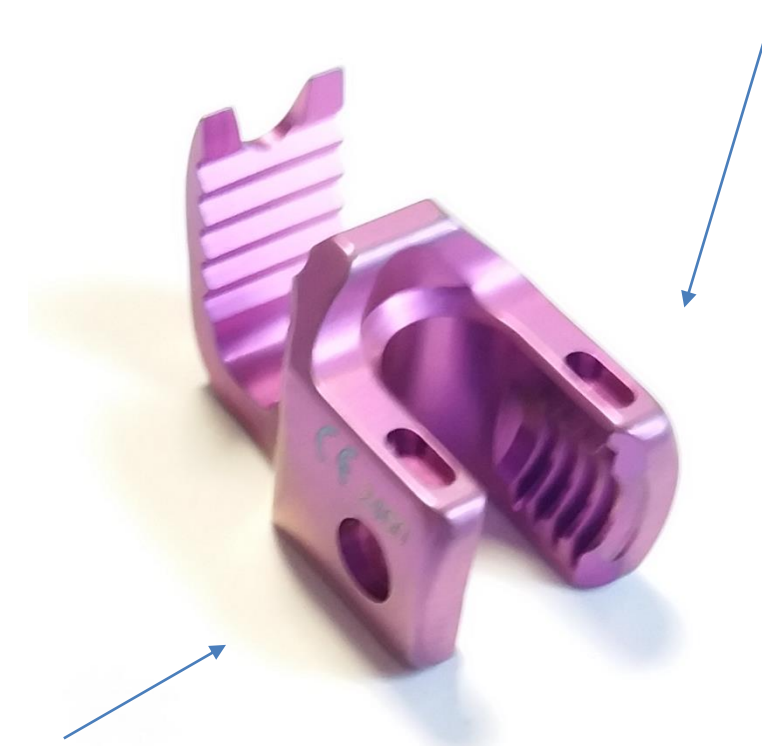
Color Coding System:



Purple = Small
Blue = Medium
Yellow = Large

Note: not all hook designs are available in three sizes

These print are not used



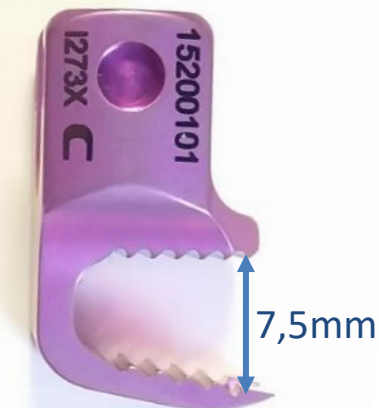
Print for manipulation with:

- Persuaders
- Hook Holders
- Rockers

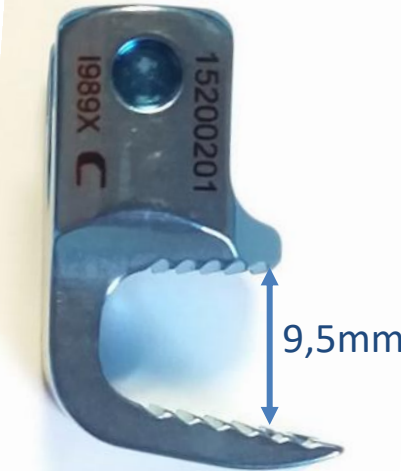
Key Features - Implants

- Pedicle Hooks-

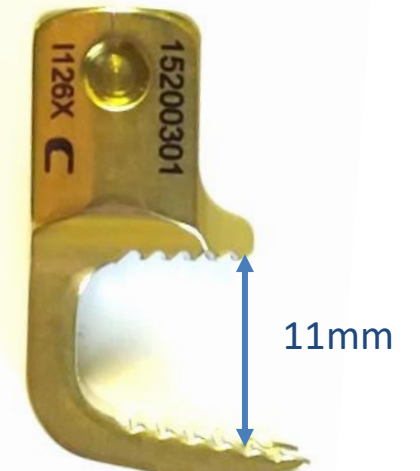
Hook Holder 18710001



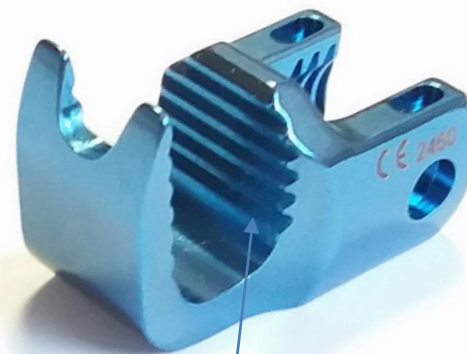
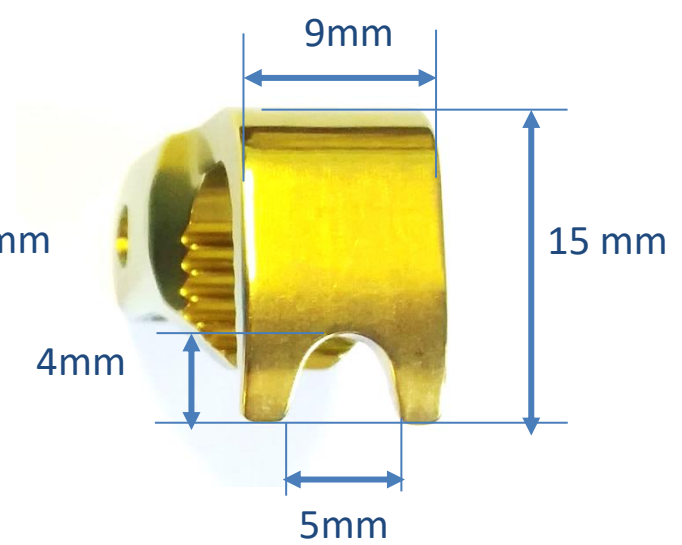
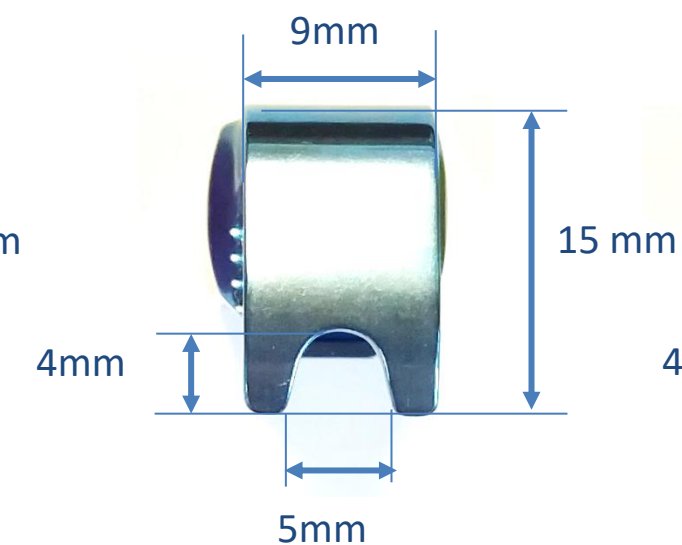
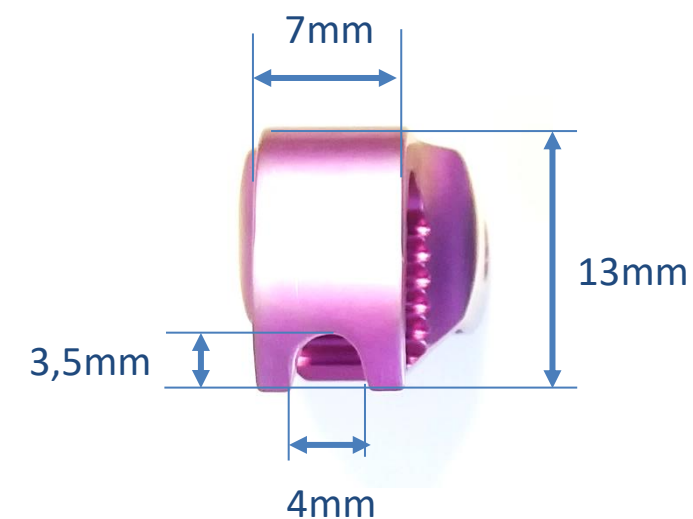
Small Pedicle Hook
15200101



Medium Pedicle Hook
15200201



Large Pedicle Hook
15200301



All pedicle hooks are equipped with anti-backout teeth

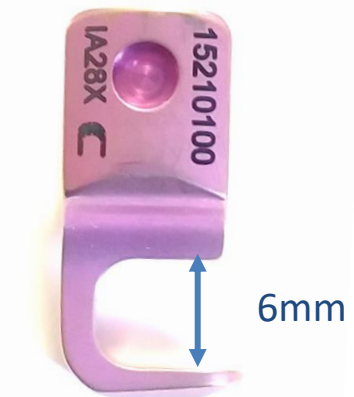
Key Features - Implants

- *Standard Laminar Hooks* -

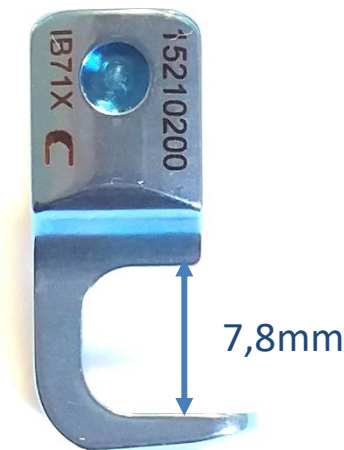
Hook Holder
18713003



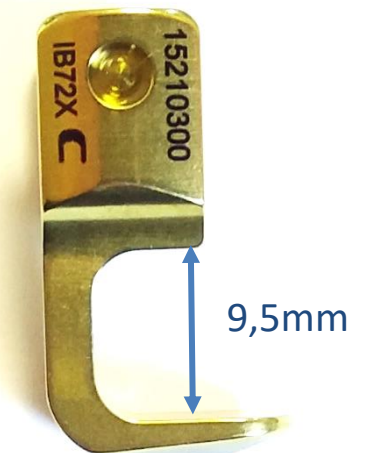
Offset Implant Holder Forceps
18713004



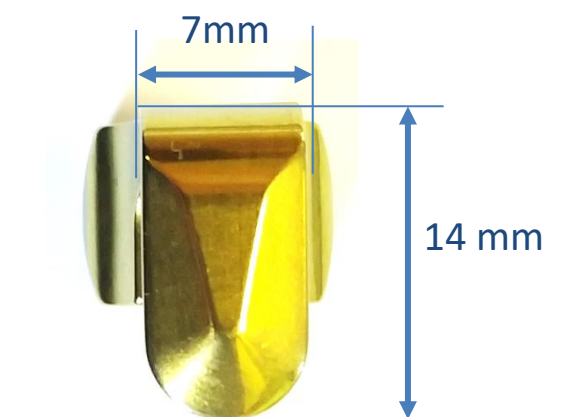
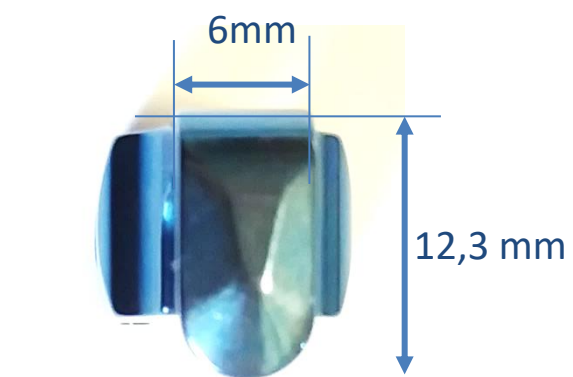
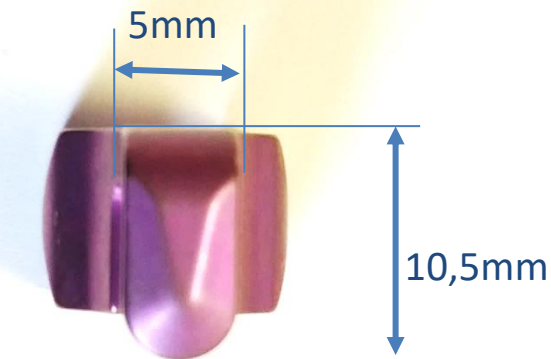
Small Laminar Hook
15210100



Medium Laminar Hook
15210200



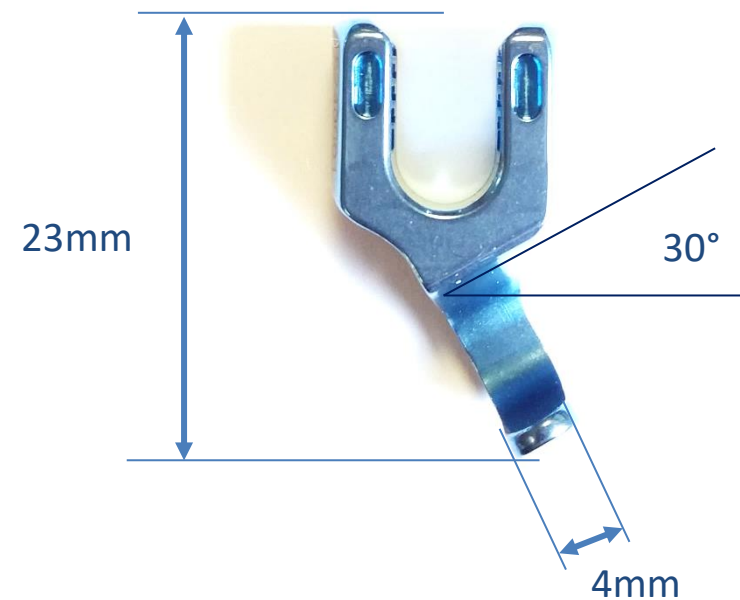
Large Laminar Hook
15210300



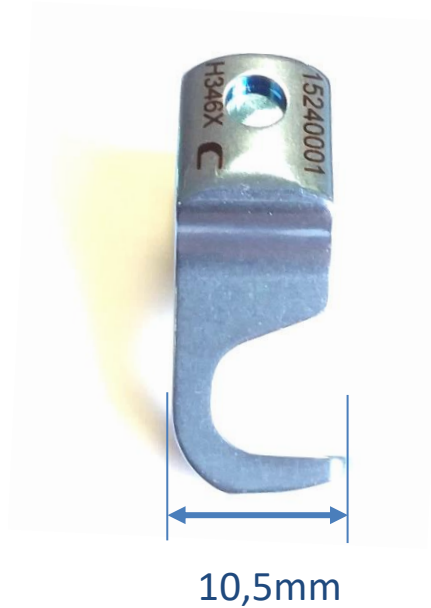
Key Features - Implants

- Specialty Laminar Hooks-

Offset Thoracic Hooks

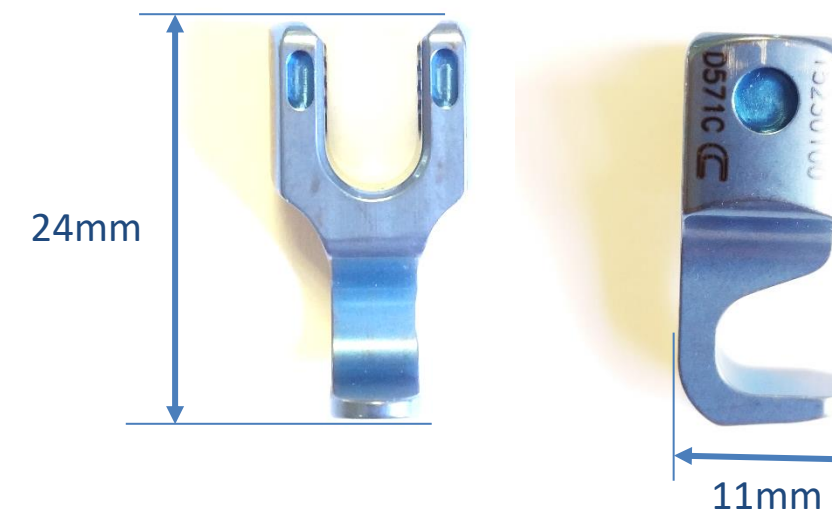


Right Offset Thoracic Hook
15240001

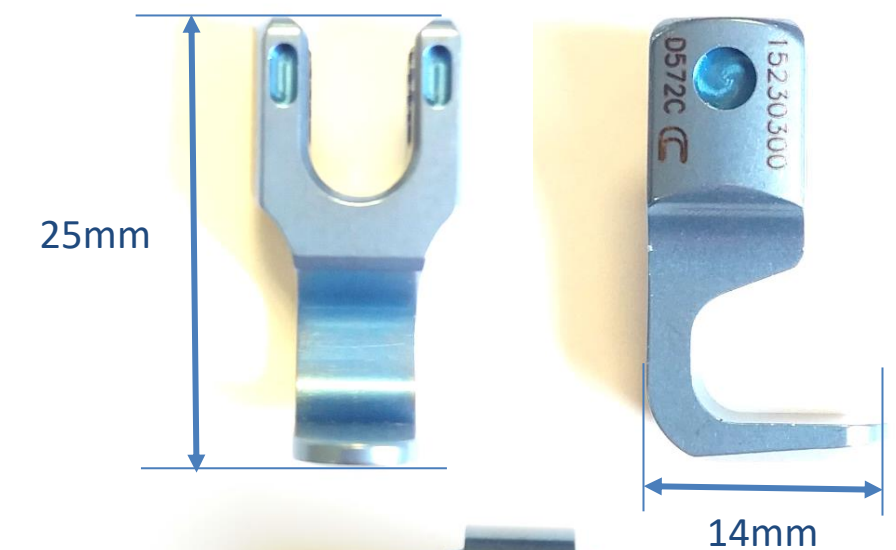
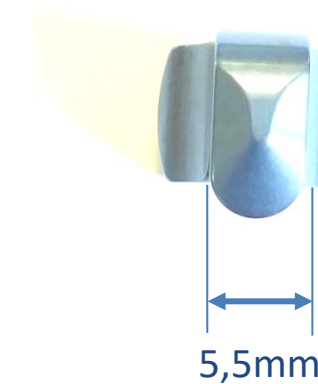


Left Offset Thoracic Hook
15240002

Supra Laminar Hooks



Thoracic Supra Laminar Hook
15230100

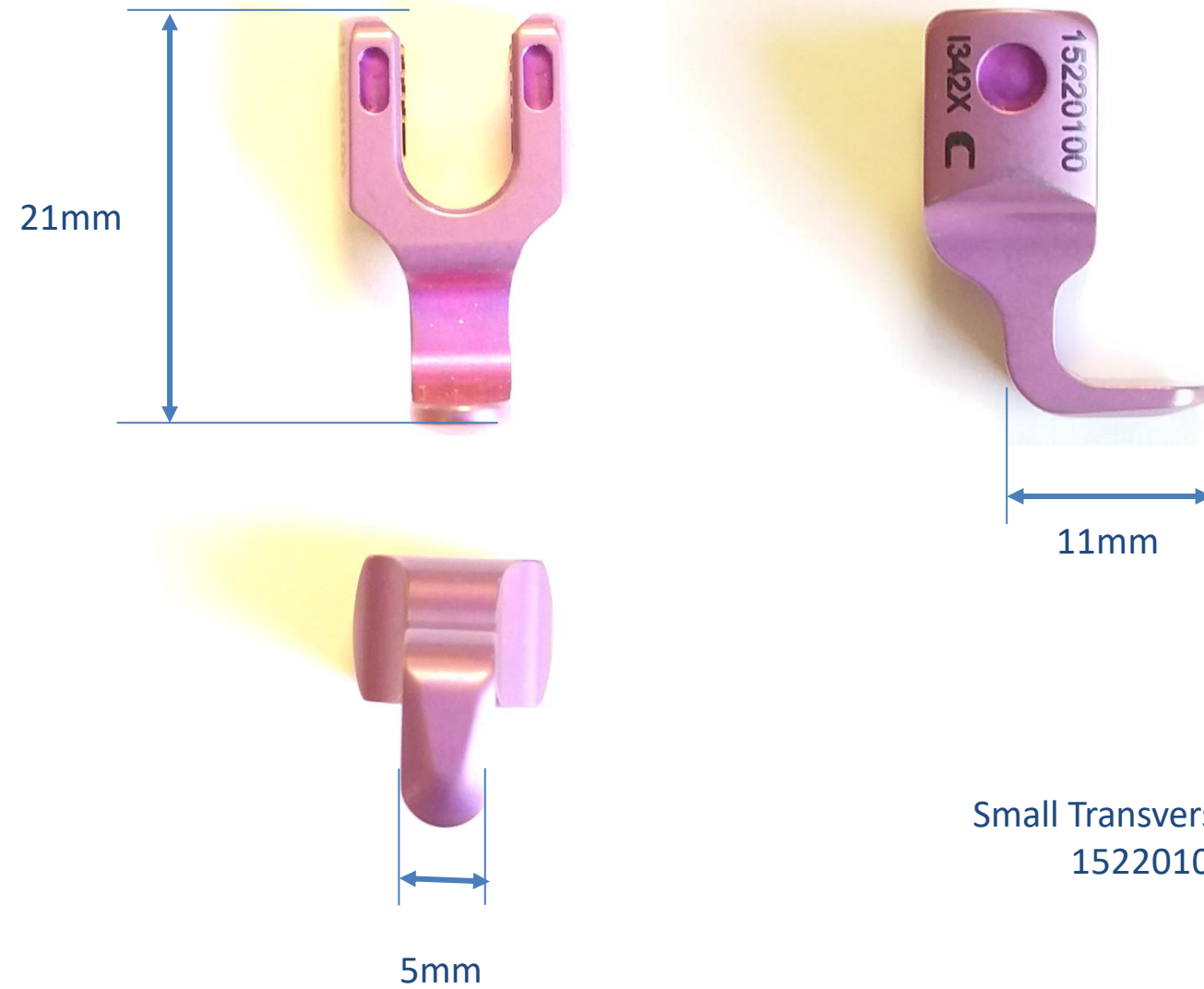


Lumbar Supra Laminar Hook
15230300

Key Features - Implants

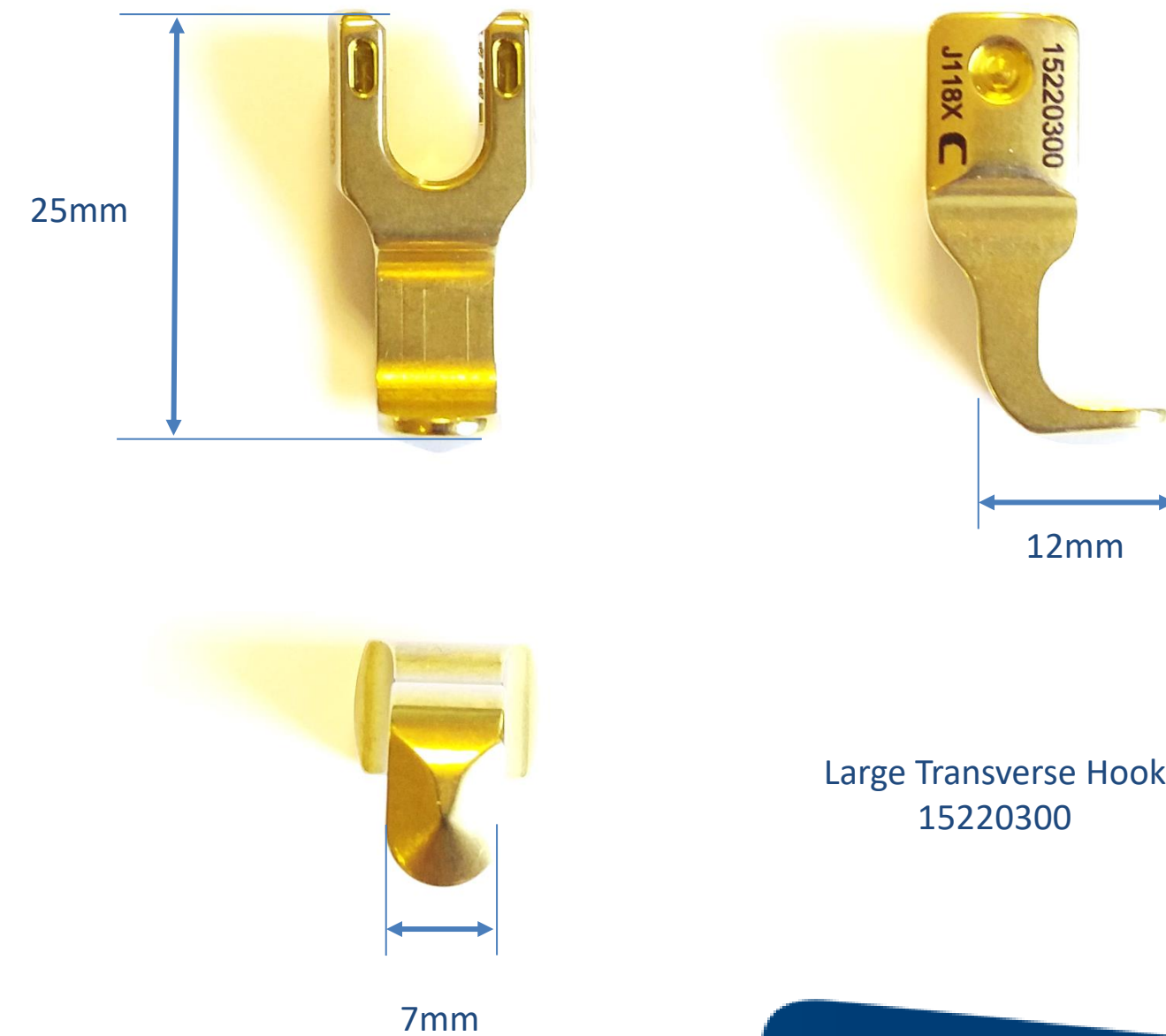
- Transverse Hooks-

Small Transverse Hook



Small Transverse Hook
15220100

Large Transverse Hook

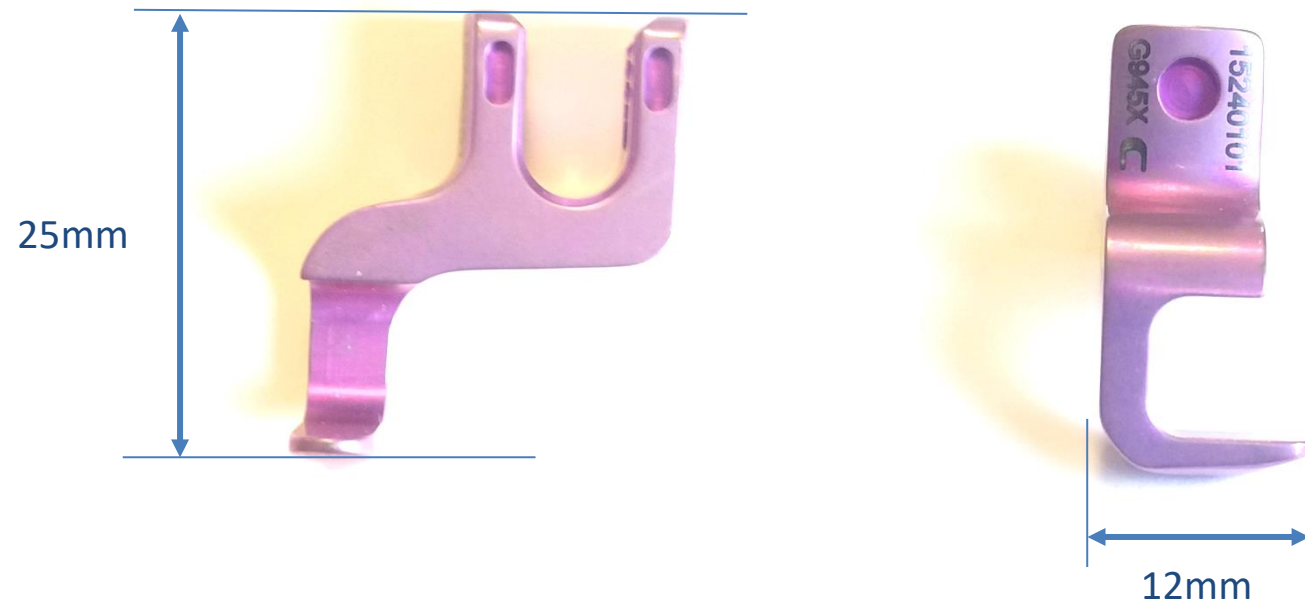


Large Transverse Hook
15220300

Key Features - Implants

- *Transverse Hooks* -

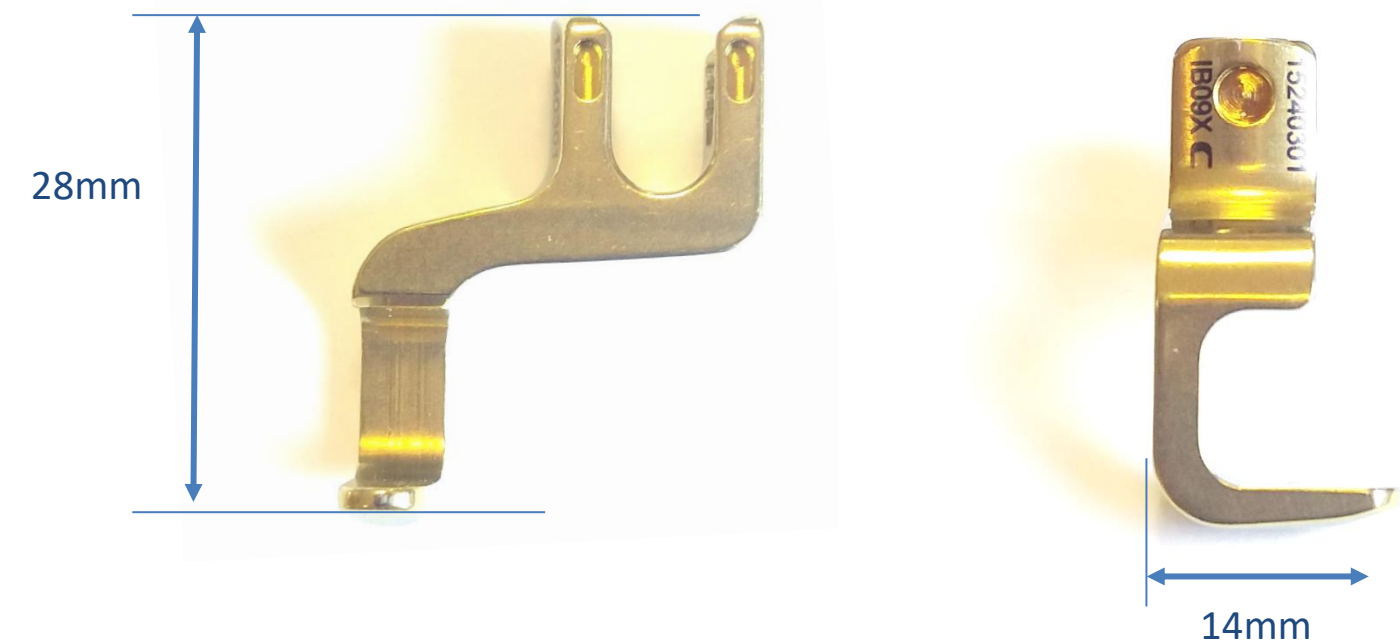
Small Lumbar Offset Hook



Right Small Lumbar Offset Hook
15240101

Left Small Lumbar Offset Hook
15240102

Large Lumbar Offset Hook

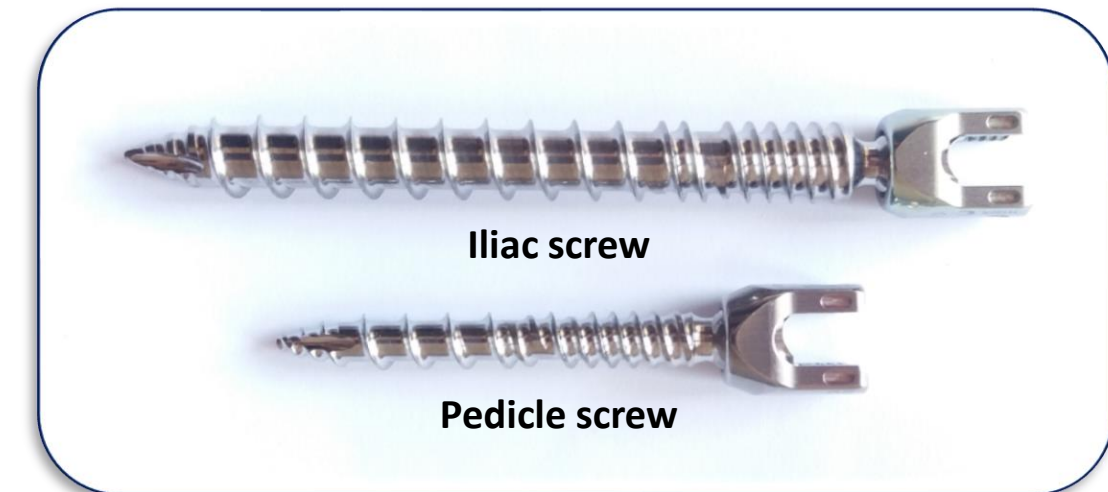


Right Large Lumbar Offset Hook
15220301

Left Large Lumbar Offset Hook
15220302

Key Features - Implants

- Screws for Iliac Fixation-

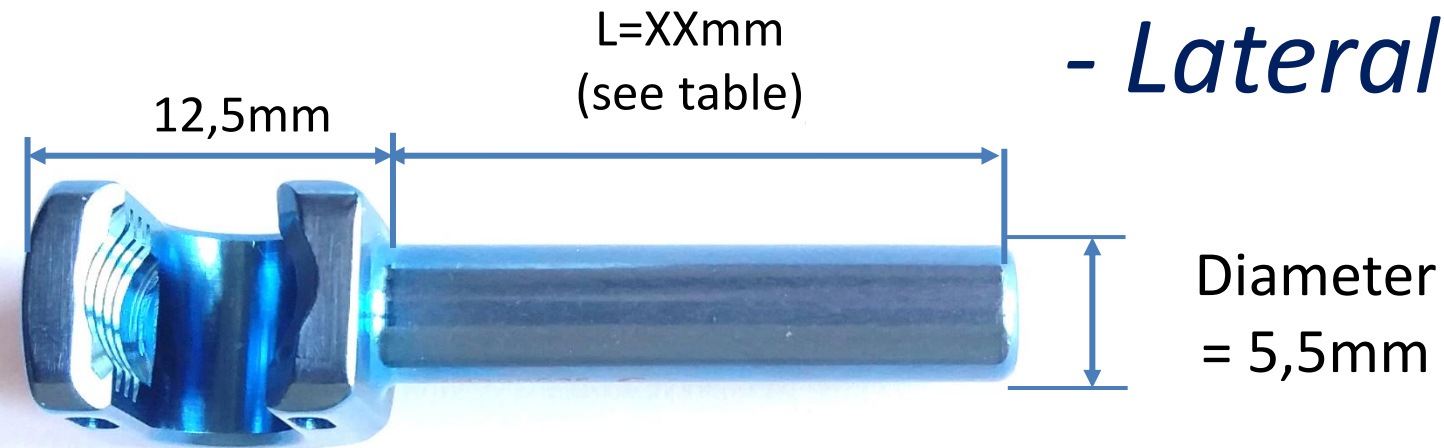


- The screw design of the iliac screws is the same as the pedicle screws in terms of thread design and screw head. It is inserted with the same screwdriver as the pedicle screws and it is compatible with the standard set-screws 13620009
- The standard sizes are 8,5mm and 9,5mm in diameter lengths 70mm to 85mm.
- Sizes up to 100mm in length and 10,5mm in diameter are available upon special request

Length in mm	Diameter	Reference
70	8.5	18158570
75	8.5	18158575
80	8.5	18158580
85	8.5	18158585
70	9.5	18159570
75	9.5	18159575
80	9.5	18159580
85	9.5	18159585

Key Features - Implants

- Lateral Connectors

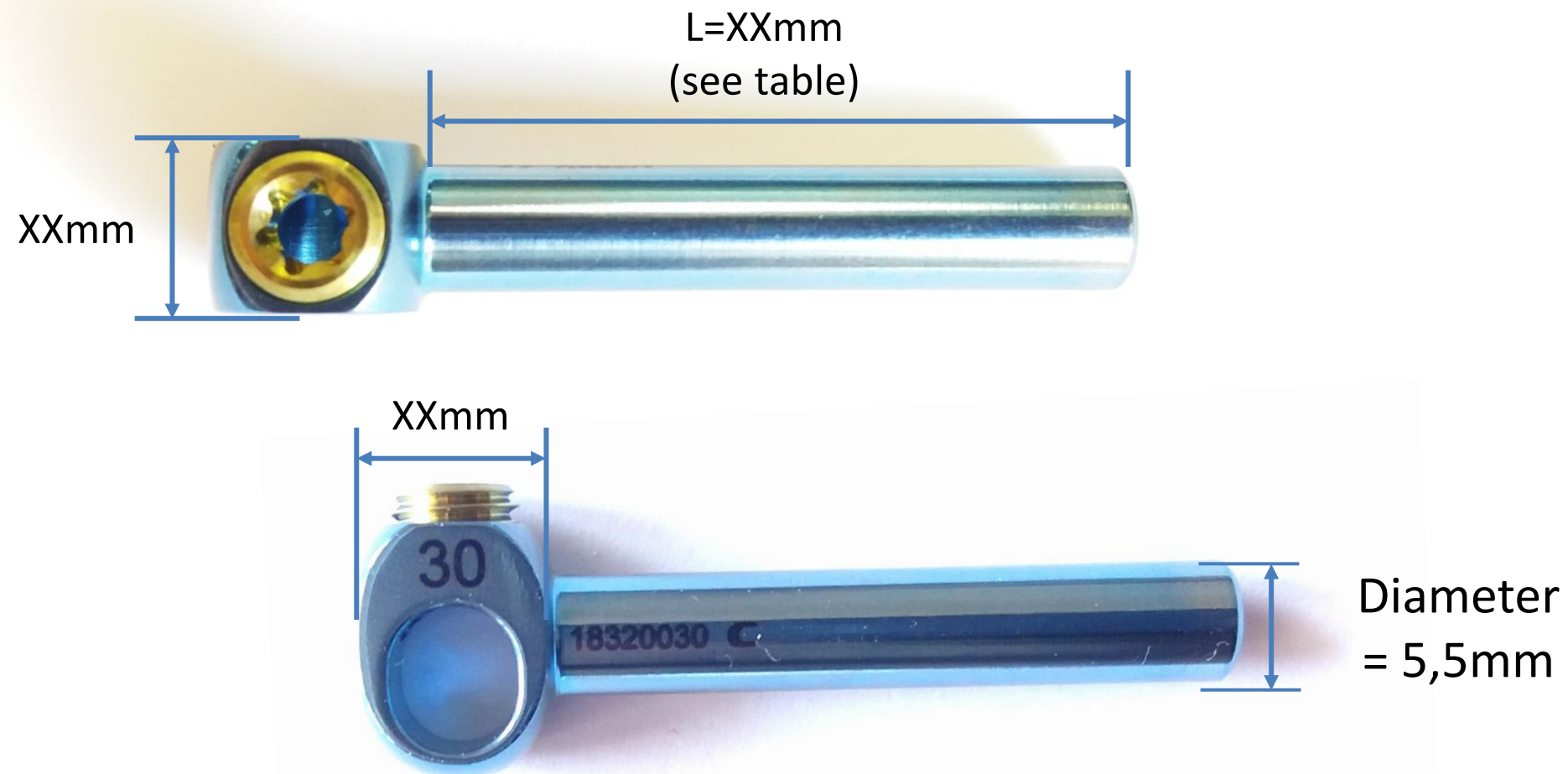


Length of rod in mm	Reference
10	18330010
15	18330015
20	18330020
25	18330025
30	18330030
35	18330035
40	18330040
50	18330050

- Open connector to facilitate the insertion
- Compatible with the standard T30 set screw 13620009
- Can be manipulated with the rod holder: xxxxxxxx

Key Features - Implants

- Lateral Connectors

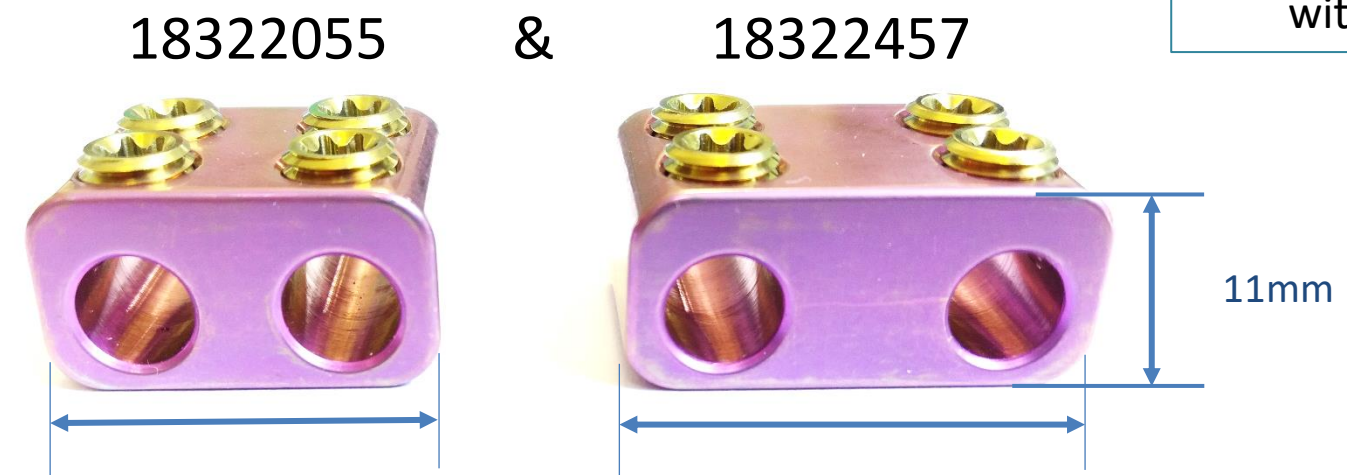


10	18320010
15	18320015
20	18320020
25	18320025
30	18320030
35	18320035
40	18320040
50	18320050

- Reduced volume with “tension band” design
- Pre-loaded set screw (T20)
- Can be manipulated with the rod holder: xxxxxxxx

Key Features - Implants

- Closed Dominos -

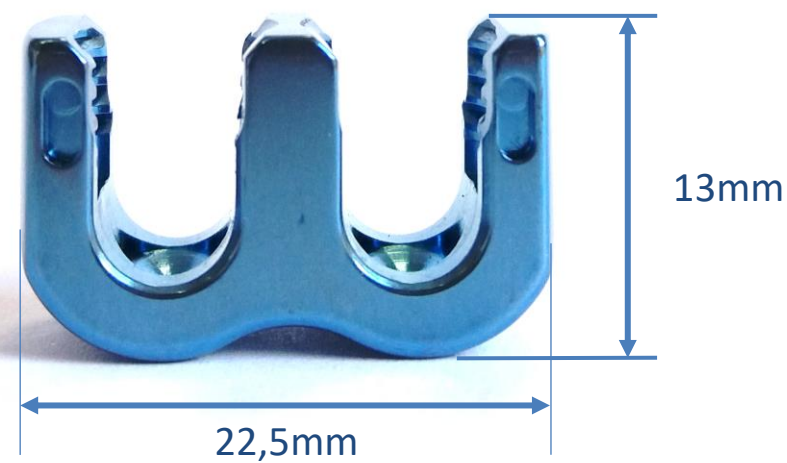
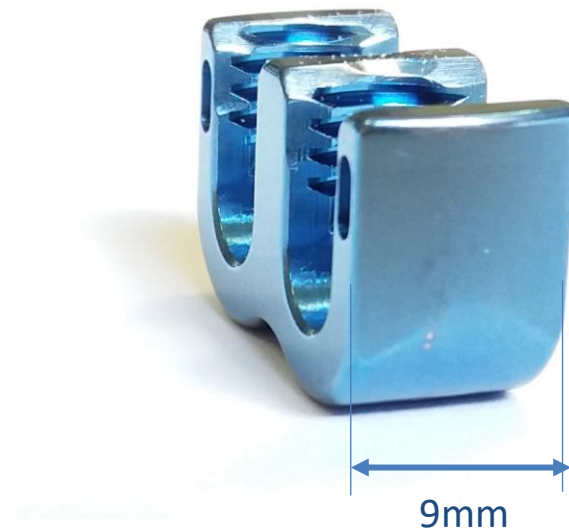


5.5/5.5	ENTRAXE 20mm	18322055
5.5/6	ENTRAXE 20mm	18322056
5.5/7	ENTRAXE 20mm	18322057
5.5/5.5	ENTRAXE 24mm	18322455
5.5/6	ENTRAXE 24mm	18322456
5.5/5.7	ENTRAXE 24mm	18322457

- Reduced volume with “tension band” design
- Pre-loaded set screw (T20)

Key Features - Implants

- *Open Domino* -



Open Domino
18322213



Set Screw
13620009

The open connector is used with two standard set screws.

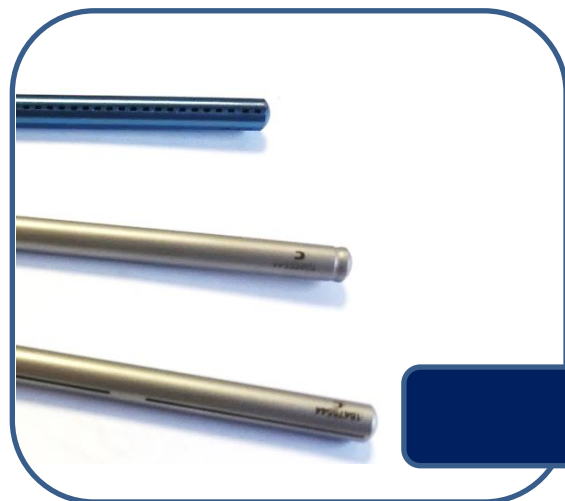
5- Advantages of Erisma LP Evolution for Long Constructs



✓ Friction Screw Head



Easy rod insertion



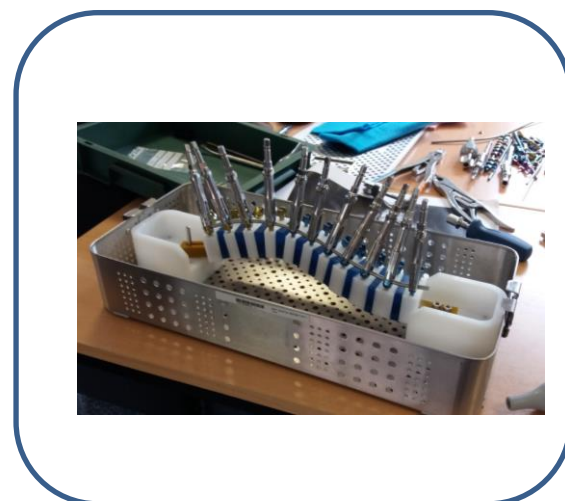
✓ Malleable Chrome Cobalt Rod



Easy rod bending

with stiff rods

UNIQUE



✓ Simple & Powerful Instruments



In situ bending, rod rotation, translation & direct segmental rotation