

SUPERIOR VETERINARY ORTHOPEDIC IMPLANTS & SURGICAL SYSTEMS

Material →

Design →

Performance →

Resources →

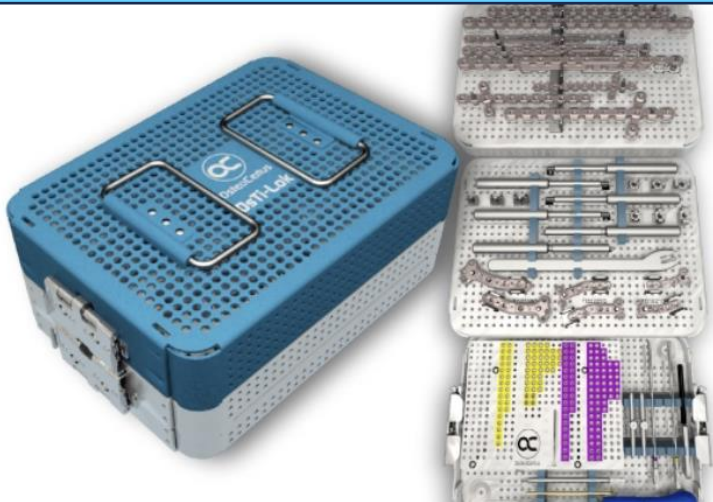
CATALOG

More surgeries, less inventory

OsTi-Lok

Solutions for animals
between 5kg and 60kg

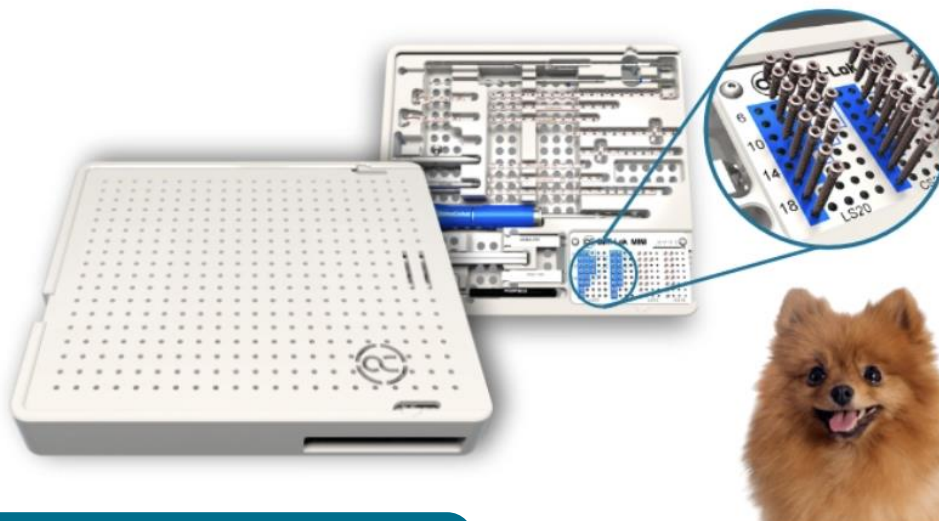
[Shop OsTi-Lok →](#)



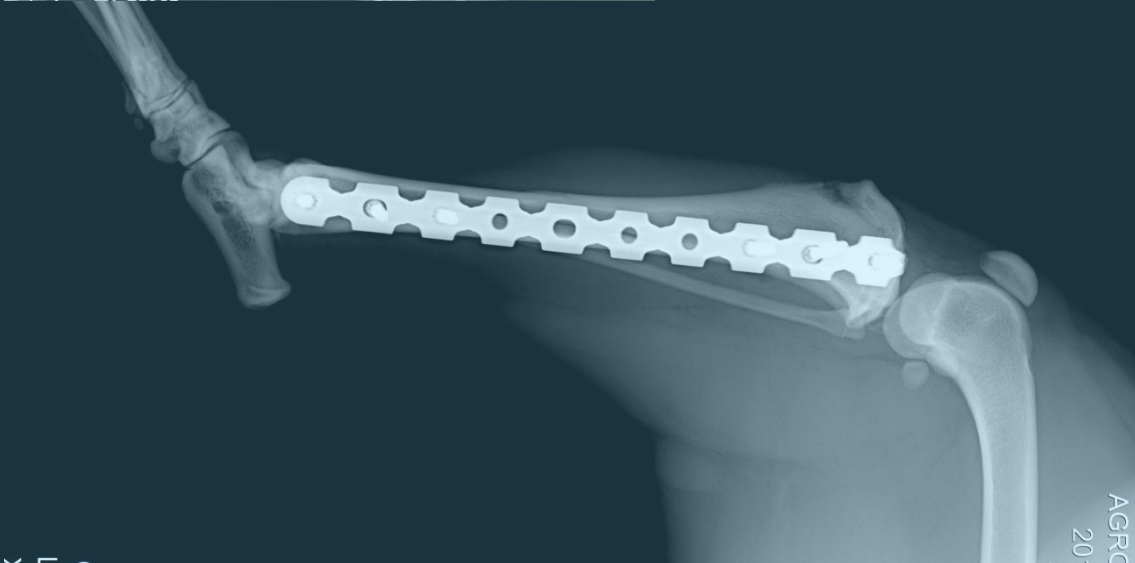
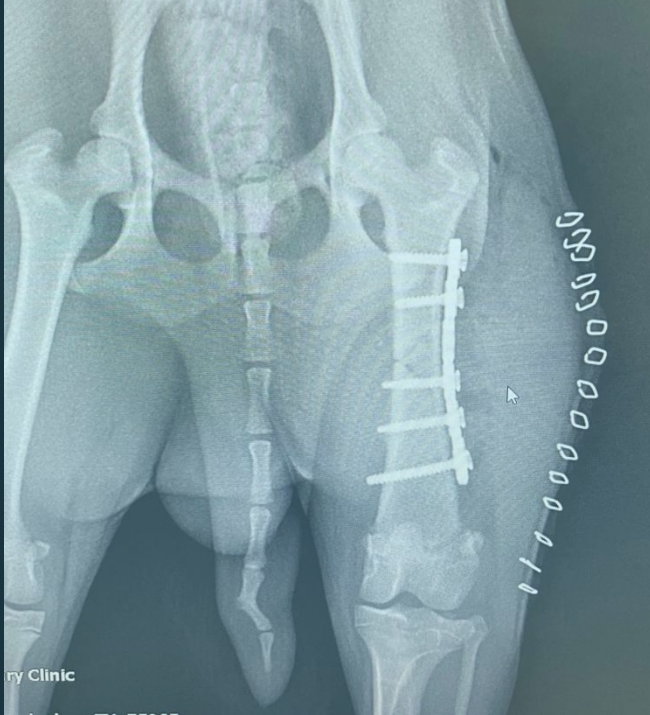
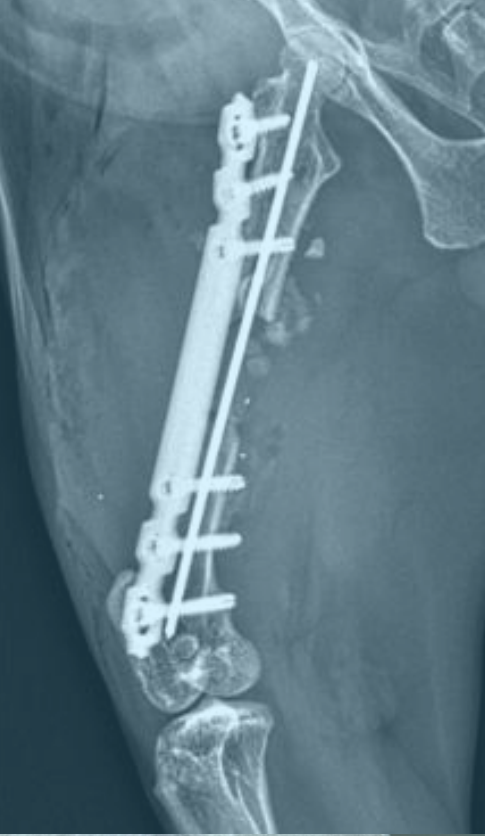
OsTi-Lok MINI

Solutions for animals
up to 7.5kg

[Shop MINI →](#)



www.osteocertus.com contact@osteocertus.com





CONTENTS



INTRODUCTION	2
FRACTURES	4
TPLO (Tibial Plateau Leveling Osteotomy)	16
TTA (Tibial Tuberosity Advancement)	20
SCREWS	24
INSTRUMENTS	26
Screw Placement	26
Plate Bending	27
HOW TO BEND OSTI-LOK PLATES	28
Save Bending Ranges	29
TESTING	32
Tandem Fatigue	32
Screw Shaft Torque.....	33
Four-Point Bend.....	34
POWER TOOLS & ACCESORIES	36
SETS & CASES	38
CODE LIST	40
TO PLACE YOUR ORDER	43



INTRODUCTION

OsteoCertus designs and markets orthopedic titanium alloy implants for small animals. The company was established in 2015 by an experienced veterinary surgeon and two engineers with extensive expertise in medical device development.

OsteoCertus primary product plating systems are: **OsTi-Lok** and **OsTi-Lok MINI**. These product lines provide comprehensive solutions for fractures, arthrodesis and osteotomies for patients weighing up to 60 kg.

Additionally, **OsteoCertus** offers a diverse range of supplementary products, including power tools, drill bits, k-wires, and sterilization cases.



Recommended Patient Weight Limits For Fracture & TPLO Plates



						
	TPLO	High Strength Long & Short Bridge	Cross Plate	Y Plate	16H Plate	19H Plate
OsTi-Lok MINI 1.5	4.5 Kg / 9.9 Lb	4.5 Kg / 9.9 Lb	3 Kg / 6.6 Lb	3 Kg / 6.6 Lb		3 Kg / 6.6 Lb
OsTi-Lok MINI 2.0	7.5 Kg / 16.5 Lb	7.5 Kg / 16.5 Lb	5 Kg / 11 Lb	5 Kg / 11 Lb		5 Kg / 11 Lb
OsTi-Lok Small 2.4	15 Kg / 33 Lb	15 Kg / 33 Lb	10 Kg / 22 Lb		10 Kg / 22 Lb	
OsTi-Lok Medium 2.7	25 Kg / 55 Lb	30 Kg / 66 Lb	20 Kg / 44 Lb		20 Kg / 44 Lb	
OsTi-Lok Large 3.5	45 Kg / 99 Lb	60 Kg / 132 Lb	40 Kg / 88 Lb		40 Kg / 88 Lb	
OsTi-Lok X-Large 4.0	60 Kg / 132 Lb					
OsTi-Lok XX-Large 4.5	80 Kg / 176 Lb					

For most current information, please refer to www.osteocertus.com

The Best Material *for your orthopedic implants*

Ti 6-4

Type II *anodized*

- ✓ Superior Strength and Flexibility
- ✓ Improved Fatigue Resistance
- ✓ Enhanced Biocompatibility
- ✓ MRI & CT Friendly



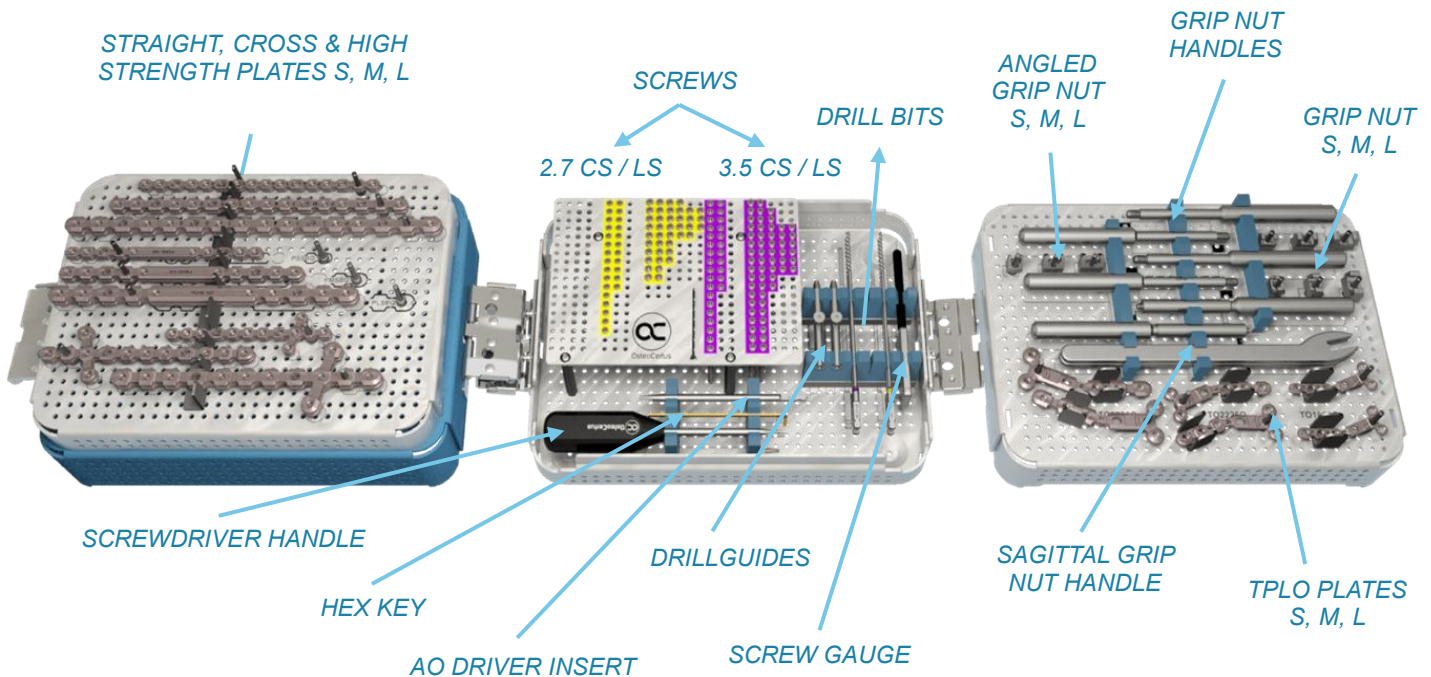


FRACTURES

OsTi-Lok Fracture Plating System

OsteoCertus offers cost-effective solutions to a variety of fractures with minimal inventory. **OsTi-Lok** is an all-inclusive system with locked plating, screws, and instruments for animals weighing 5 Kg to 80 Kg. **OsTi-Lok** fracture set offers five plate sizes: Small, Medium, Large, X-Large and XX-Large, equivalent to 2.4mm, 2.7mm, 3.5mm, 4.0mm and 4.5mm. **OsTi-Lok** offers three screw diameters: 2.4mm, 2.7mm, 3.5mm and 4.1mm. All **OsTi-Lok** screws are compatible with all **OsTi-Lok** plates.

All screws are compatible with all plates



IMPLANT MATERIAL
Titanium Alloy (Ti 6Al-4V)

- Enhanced biocompatibility.
- Improved corrosion resistance.
- Reduced image distortion in MRI and CT scans.
- Strong, light and elastic
- Enhanced fatigue life with Type II anodization.

OsTi-Lok

Bendable & Cuttable Fractures Plates

Minimal Inventory
5 families, 3 sizes per family

- Small: Up to 15 Kg
- Medium: Up to 30 Kg
- Large: Up to 60 Kg

Short Bridge



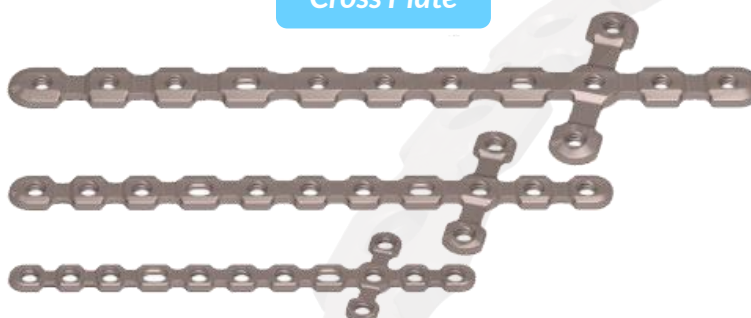
High Strength



16 Hole



Cross Plate



Screws on page 24
Instruments on page 26



Recommended Patient Weight Limits For Fracture & TPLO Plates



OsTi-Lok[®] **Small 2.4**

OsTi-Lok[®] **Medium 2.7**

OsTi-Lok[®] **Large 3.5**

OsTi-Lok[®] **X-Large 4.0**

OsTi-Lok[®] **XX-Large 4.5**



TPLO
Short & Narrow

15 Kg / 33 Lb

25 Kg / 55 Lb

45 Kg / 99 Lb

60 Kg / 132 Lb

80 Kg / 176 Lb



16H Plate

10 Kg / 22 Lb

20 Kg / 44 Lb

40 Kg / 88 Lb

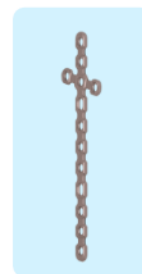


High Strength
Long & Short Bridge

15 Kg / 33 Lb

30 Kg / 66 Lb

60 Kg / 132 Lb



Cross Plate

10 Kg / 22 Lb

20 Kg / 44 Lb

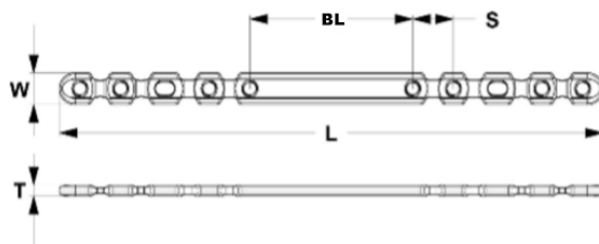
40 Kg / 88 Lb

High Strength & Short Bridge Plates



OsTi-Lok's High Strength (HS) & Short Bridge (SB) Plates are ideal for comminuted fractures, MIPO technique and high load cases. These plates can be bent and shortened by up to two nodes at each end for better alignment to the bone on a wide range of cases. The SB bridge is half the length of the HS bridge for use in tight spaces. HS and SB plates are available in small, medium, and large sizes.

Code	Pt. Weight Limit (kg)	Screw Holes	Length L (mm)	Max Thickness T (mm)	Width W (mm)	Node Spacing S (mm)	Bridge Length (mm)
HIGH STRENGTH PLATES							
PSHSQ-104	15	10	129	2.5	7.0	9.3	37.2
PMHSQ-104	30	10	154	3.2	9.0	11.5	46.0
PLHSQ-104	60	10	193	4.0	11.0	14.5	58.0
SHORT BRIDGE PLATES							
PSSBQ-104	15	10	107	2.5	7.0	9.3	18.6
PMSBQ-104	30	10	131	3.2	9.0	11.5	23.0
PLSBQ-104	60	10	164	4.0	11.0	14.5	29.0

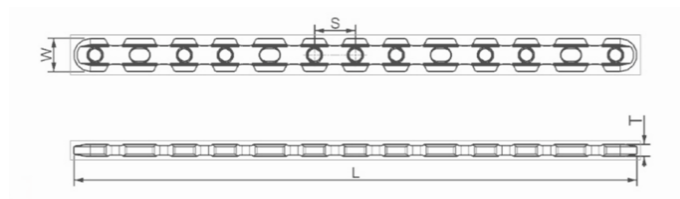


16 Hole Plates



OsTi-Lok's 16-Hole Plates are available in small, medium, and large sizes. They can be cut to length and contoured to long bones using the benders provided. Slotted holes are strategically placed to offer interfragmentary compression. A single 16-Hole plate can be cut to yield two plates.

Code	Pt. Weight Limit (kg)	Length L (mm)	Max Thickness T (mm)	Width W (mm)	Hole Spacing S (mm)
PS16Q-104	10	156	2.5	7	9.3
PM16Q-104	20	192	3.2	9	11.5
PL16Q-104	40	240	4.0	11	14.5



Cross Plates



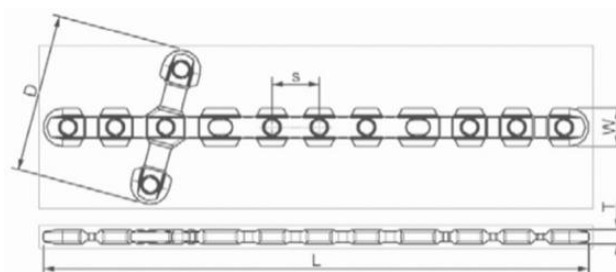
OsTi-Lok's Cross Plates are available in small, medium, and large sizes. These plates can be customized into various configurations using the provided benders to best match the patient's anatomy. Slotted holes are strategically placed to achieve interfragmentary compression. Moreover, the Cross Plate is reversible to use on either the left or right limb.

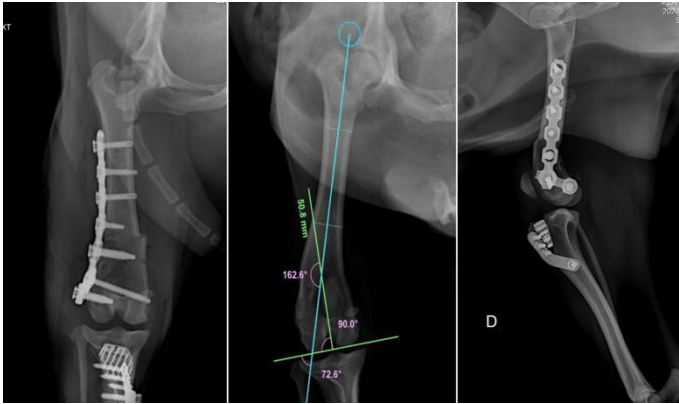
Code	Pt. Weight Limit (kg)	Length L (mm)	Diagonal Length D (mm)	Max Thickness T (mm)	Width W (mm)	Hole Spacing S (mm)
CPSQ-104	10	99	28.0	2.5	7	9.3
CPMQ-104	20	127	37.4	3.2	9	11.5
CPLQ-104	40	160	47.0	4.0	11	14



"Hockey Stick" Configuration

"Hug" Configuration

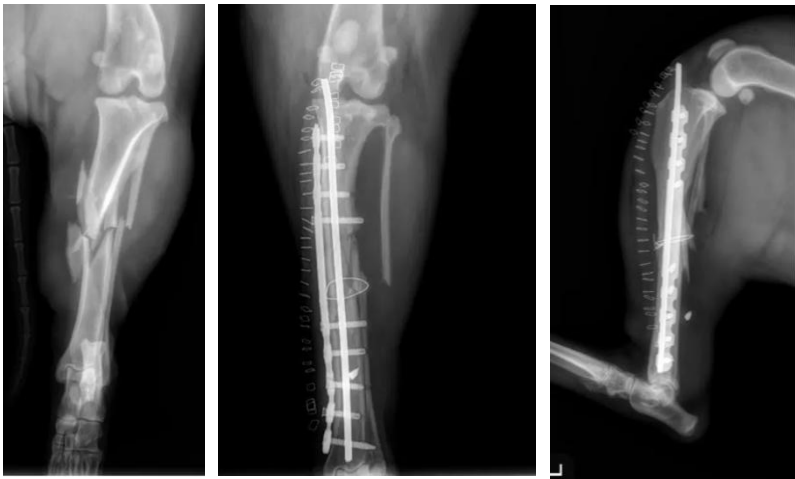




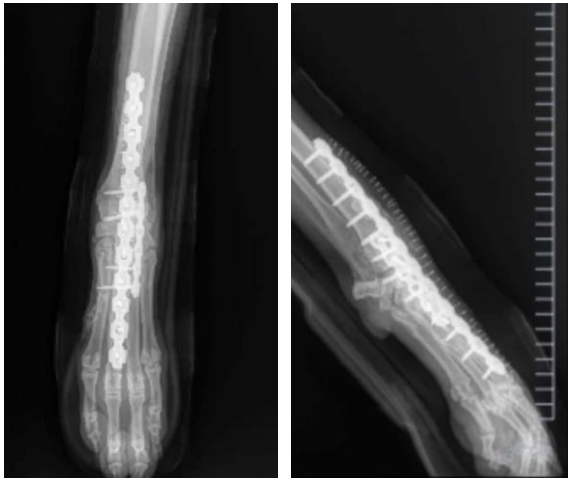
Patellar Luxation / TTA distal femur & tibia.
Courtesy Dr. Islas, Mexico



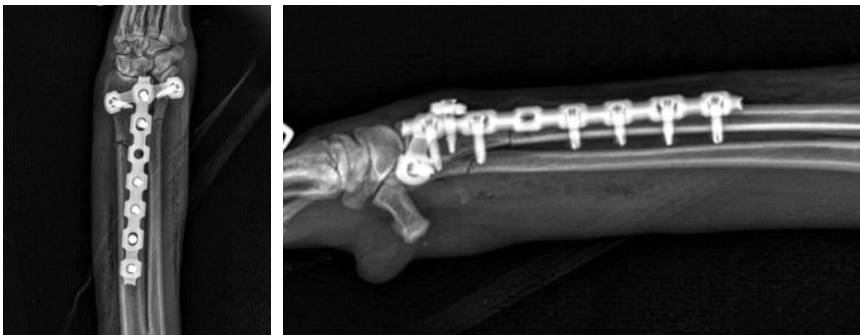
Fracture Repair / Reconstruction mid-shaft femur .
Courtesy Dr. Silva, Colombia



Fracture Repair mid-shaft tibia. Courtesy Dr. Mayo, USA



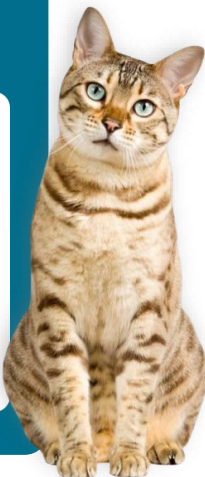
Arthrodesis Carpal. Courtesy Dr. Lewis, USA

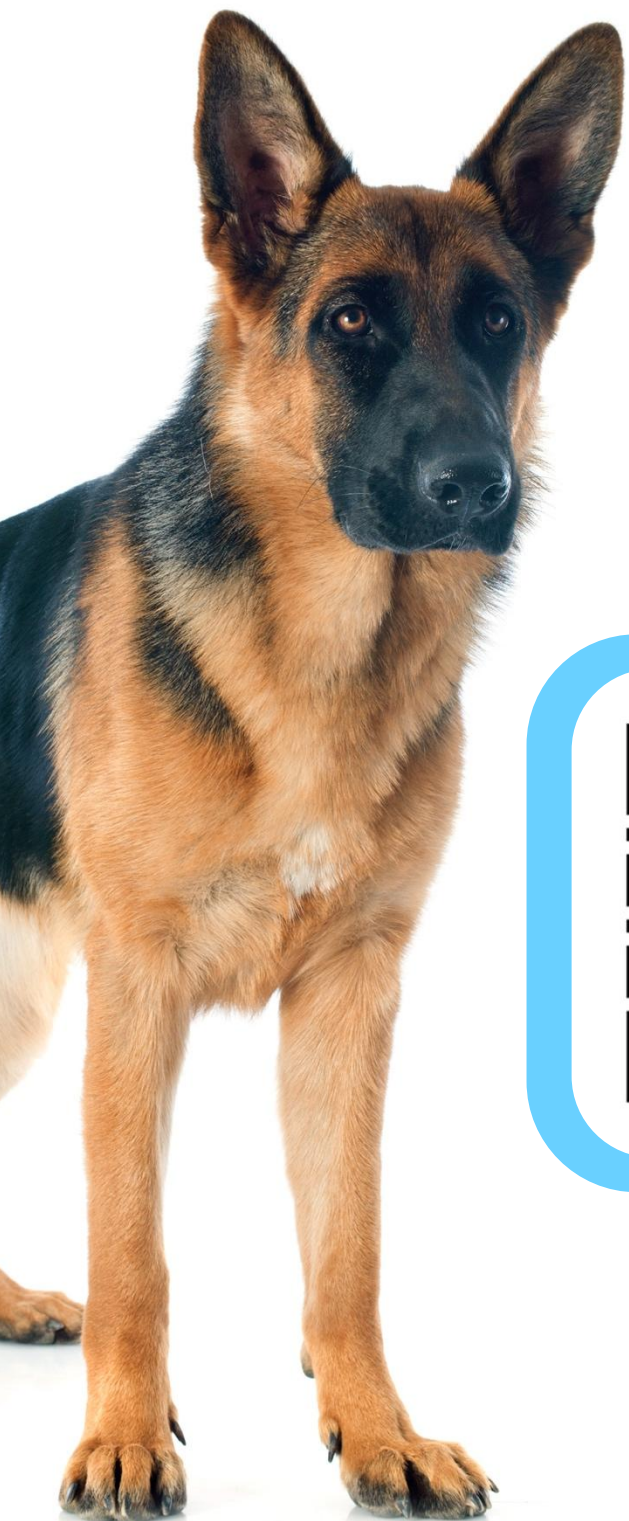


Fracture Repair distal radius. Courtesy Dr. Brajkovich, Canada



Scan to see clinical cases





SCAN ME!

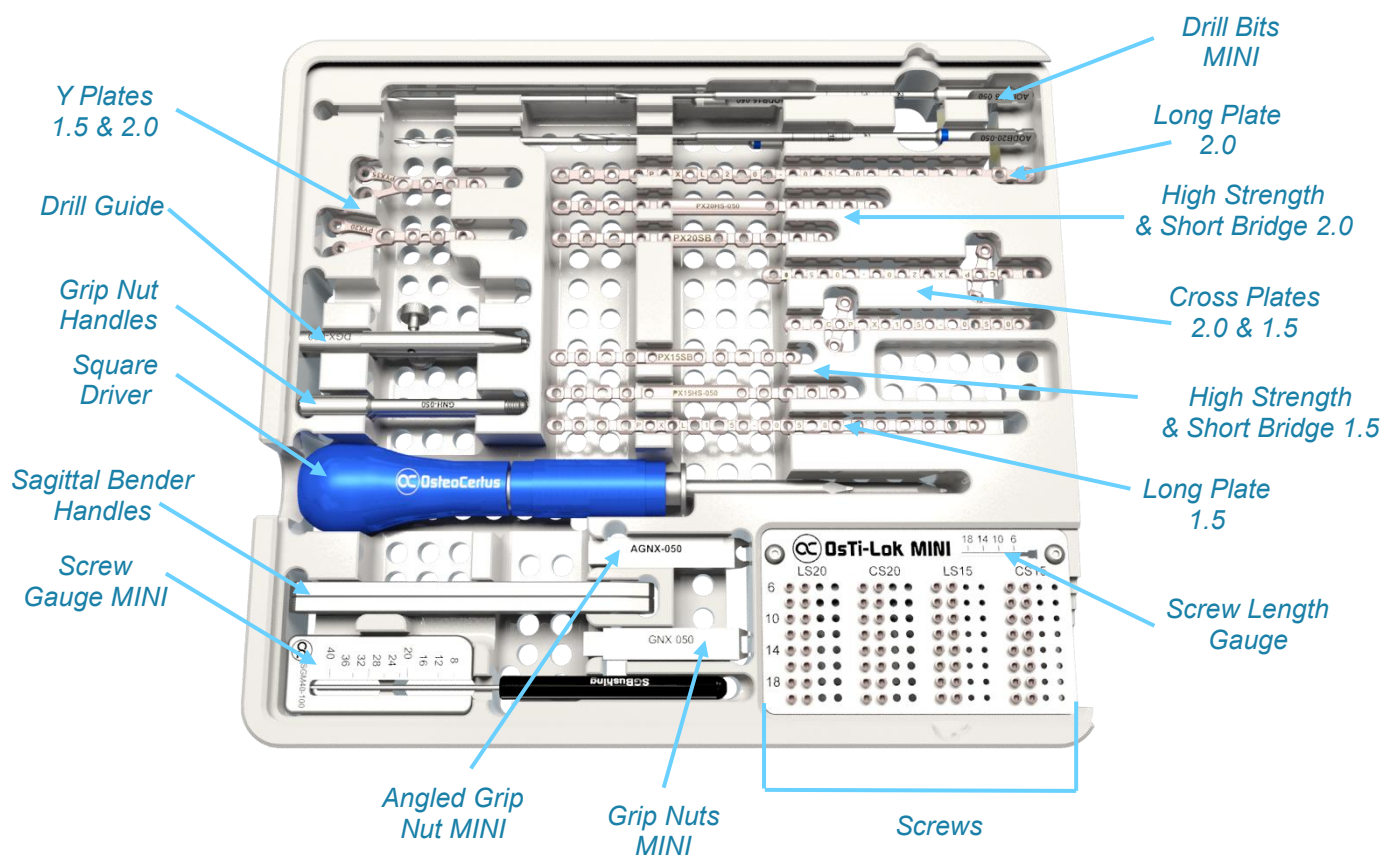


OsTi-Lok MINI

Fracture Plating System



OsTi-Lok MINI is an all-inclusive system with locked plating, screws, and instruments for animals weighing up to 7.5 Kg. **OsTi-Lok MINI** offers two plate and screw sizes: 1.5 mm and 2.0 mm. All **OsTi-Lok MINI** screws are compatible with all **OsTi-Lok MINI** plates.



IMPLANT MATERIAL

Titanium Alloy (Ti 6Al-4V)

- Enhanced biocompatibility.
- Improved corrosion resistance.
- Reduced image distortion in MRI and CT scans.
- Strong, light and elastic
- Enhanced fatigue life with Type II anodization.



Screws on page 24
Instruments on page 26

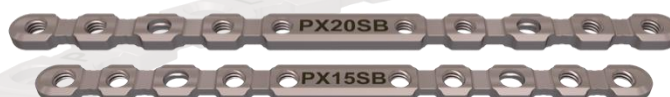
OsTi-Lok MINI

Bendable & Cuttable Fractures Plates

Minimal Inventory
5 families, 2 sizes per family

- 1.5: Up to 4.5Kg
- 2.0: Up to 7.5Kg

Short Bridge



High Strength



19 Hole



Cross Plate



Y Plates





Recommended Patient Weight Limits For **MINI** Fracture Plates



OsTi-Lok MINI 2.0

OsTi-Lok MINI 1.5



19H Plate

5.0 Kg / 11.0 Lb

3.0 Kg / 6.6 Lb



High Strength
Long & Short Bridge

7.5 Kg / 16.5 Lb

4.5 Kg / 9.9 Lb



Cross Plate

5.0 Kg / 11.0 Lb

3.0 Kg / 6.6 Lb



Y Plate

5.0 Kg / 11.0 Lb

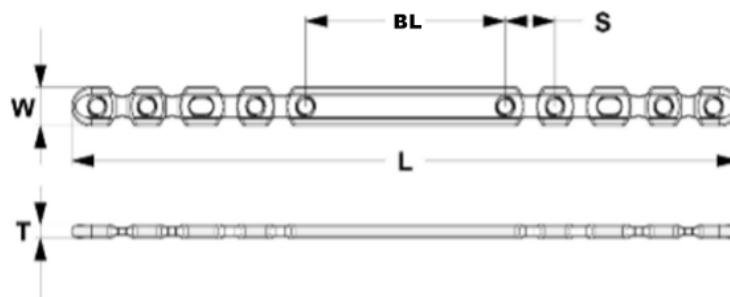
3.0 Kg / 6.6 Lb

High Strength & Short Bridge Plates



OsTi-Lok MINI High Strength (HS) & Short Bridge (SB) Plates are ideal for comminuted fractures, MIPO technique and high load cases. These plates can be bent and shortened by up to two nodes at each end to treat a wide range of cases. The SB bridge is half the length of the HS bridge for use in tight spaces. HS and SB plates are available in small, medium, and large sizes.

Code	Pt. Weight Limit (kg)	Screw Holes	Length L (mm)	Max Thickness T (mm)	Width W (mm)	Node Spacing S (mm)	Bridge Length (mm)
HIGH STRENGTH PLATES							
PX20HS-050	7.5	10	93	2.1	4.6	7.0	29
PX15HS-050	4.5	10	81	1.6	4.6	6.5	25
SHORT BRIDGE PLATES							
PX20SB-050	7.5	10	79	2.1	4.6	7.0	14.5
PX15SB-050	4.5	10	69	1.6	4.6	6.5	12.5

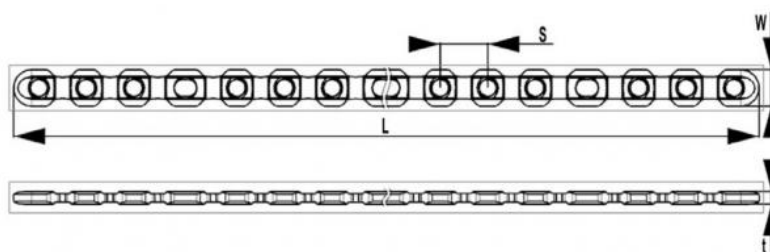


19 Hole Plates



OsTi-Lok MINI 19-Hole Plates are available in 1.5 mm and 2.0 mm sizes. They can be cut to length and contoured to long bones using the benders provided. Slotted holes are strategically placed to offer interfragmentary compression. A single 19-Hole plate can be cut to yield up to three plates.

Code	Pt. Weight Limit (kg)	Length L (mm)	Max Thickness T (mm)	Width W (mm)	Hole Spacing S (mm)
PXL20-050	5	126	2.1	4.6	7.0
PXL15-050	3	94	1.6	4.6	6.0



Cross Plates



- 1.5 mm and 2.0 mm plate sizes.
- All plate holes mate with both 1.5 mm and 2.0 mm screws.
- Dynamic compression holes strategically placed, allows for 1 mm of compression per hole with compression screws.
- Customizable into various configurations using the provided benders to best match the patient's anatomy.
- The same Cross Plate can be used on both left and right anatomies.

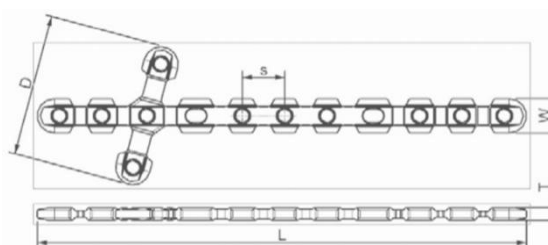
Code	Pt. Weight Limit	Length L (mm)	Diagonal Length D (mm)	Max Thickness T (mm)	Width W (mm)	Hole Spacing S (mm)
CPX20-050	5	78	19.1	2.1	4.6	7
CPX15-050	3	68	17.2	1.6	4.6	6



"Hockey Stick" Configuration



"Hug" Configuration

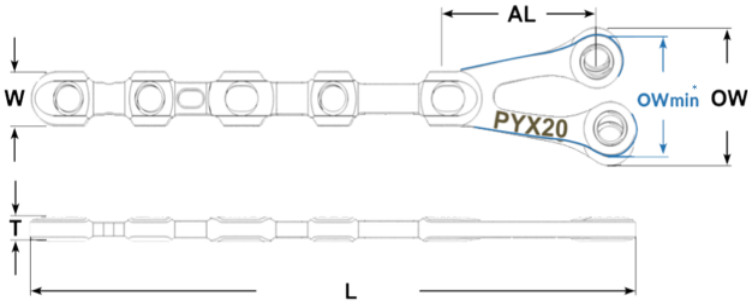


Y Plates



- 1.5 mm and 2.0 mm plate sizes.
- Capable of being bent and shaped to achieve improved alignment with the bone in a variety of fracture cases.
- All plate holes mate with either 1.5 mm or 2.0 mm screws.
- Specially designed for fractures of the distal radius bone.
- The same Y Plate can be used on both left and right anatomies.

Code	Pt. Weight Limit (kg)	Length L (mm)	Max Thickness T(mm)	Width W (mm)	Overall Width OW (mm)	Arm Length AL (mm)
PYX20-050	5	56	2.1	4.6	14.1	12.3
PYX15-050	3	47	1.6	4.6	11.6	10



OWmin*
Arms can be bent together to archive 10mm overall width.



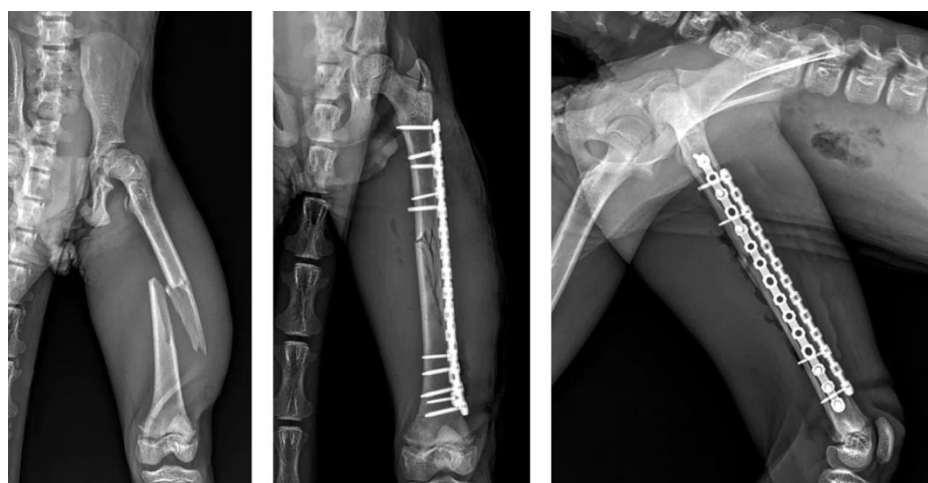


Bilateral mandibular fracture. Courtesy Dr. Cortes, Mexico



Mid-shaft radius and ulna. Courtesy Dr. Contreras, Mexico

Fracture Repair mid-shaft metatarsal. Courtesy Dr. Varnon, USA

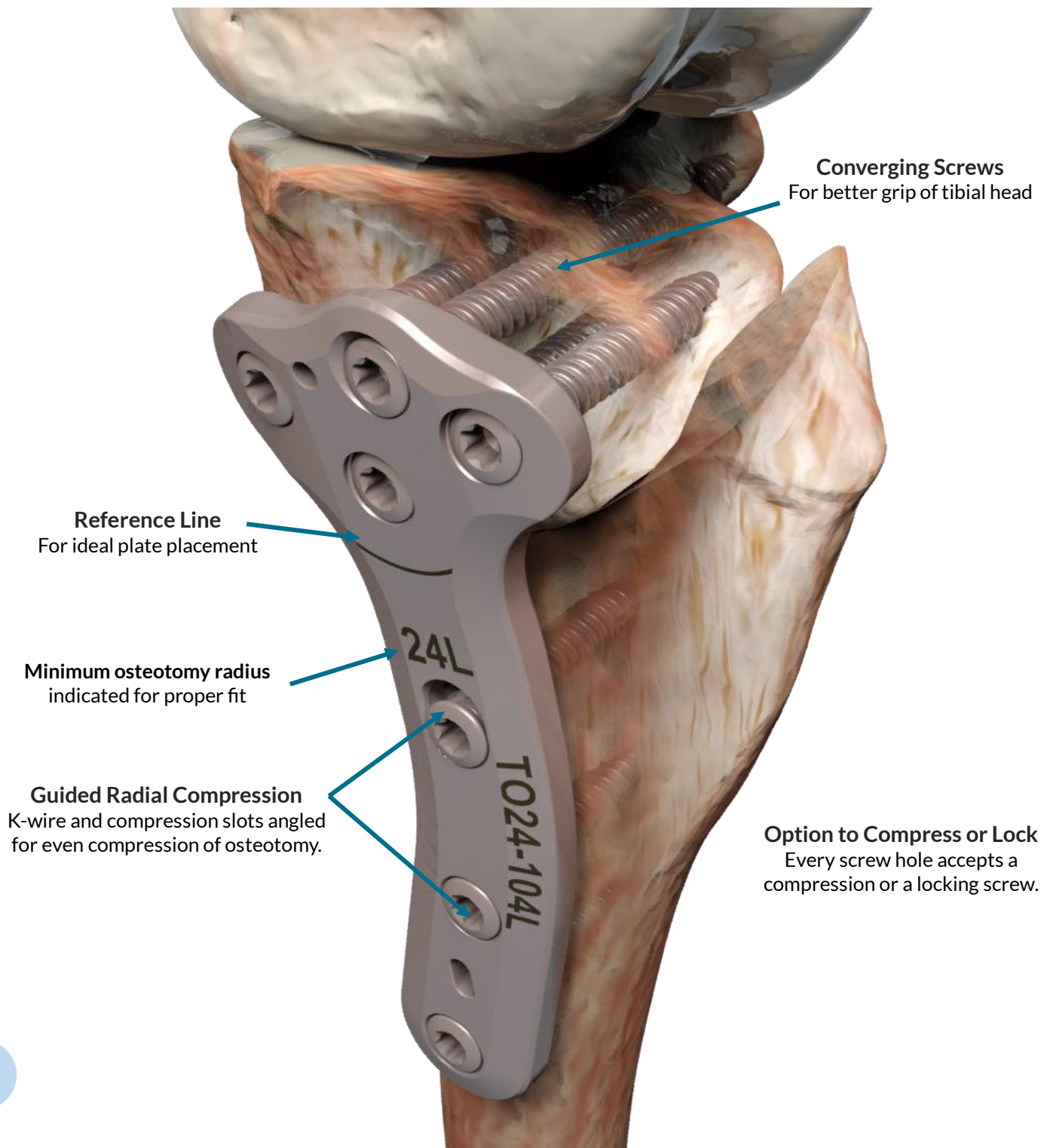


Mid-shaft radius and ulna. Courtesy Dr. Cardona, Colombia



TPLO

Maximum strength with a smaller osteotomy



TPLO Plates

Features & Benefits

SMALL
Radius of 15mm



MEDIUM
Radius of 18mm



LARGE
Radius of 21mm



X - LARGE
Radius of 24mm



XX - LARGE
Radius of 27mm



NOW with Quick Guides!

Better Speed, Accuracy and Results!

OsTi-Lok TPLO Plates now come with **pre-installed Quick Guides** in angled holes for **faster**, more **accurate drilling** and **proper locking** screw seating.

Design Features

- Plate selection base on (1) radius of cut, (2) patient weight
- Proximal screw trajectories convergent for better grip of tibial head
- Compression slot and k-wire slot are angled towards center of rotation for even compression of the osteotomy

Titanium 6Al-4V, Type II anodized

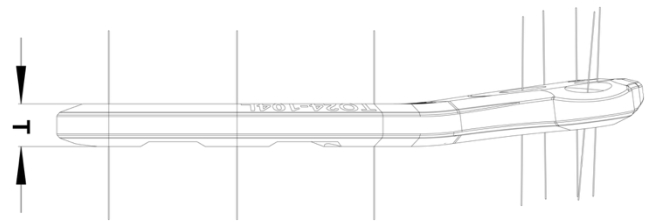
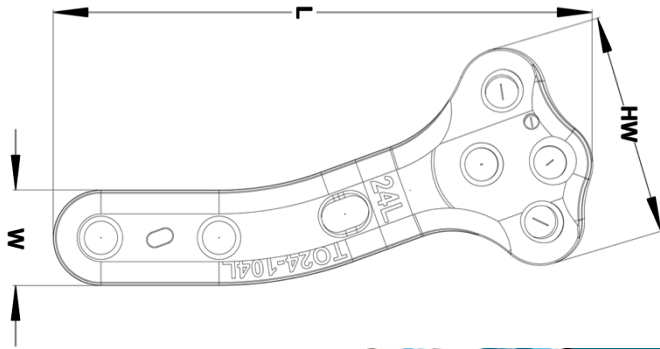
- Excellent fatigue strength
- Resistance to corrosion and infection
- Minimal image distortion in CTs and MRIs



Screws on page 24
Instruments on page 26

COMPARISON TPLO PLATES DIMENSIONS

Code	Min Saw Radius (mm)	Pt. Weight Limit (Kg)	Screw Holes	Length L (mm)	Head Width HW (mm)	Shaft Width W (mm)	Max Thickness T (mm)
TO10-050 L/R	10	4.5	5	28	12	4.6	1.6
TO12-050 L/R	12	7.5	6	29	13	4.6	2.1
TO15-104 L/R	15	15	6	40	17	7.0	2.6
TO18-104 L/R	18	25	6	49	20	9.0	3.2
TO21-104 L/R	21	45	6	59	24	11	4.0
TO24-104 L/R	24	60	7	62	26	11	4.5
TO27-104 L/R	27	80	8	79	28	13	4.5



10% OFF

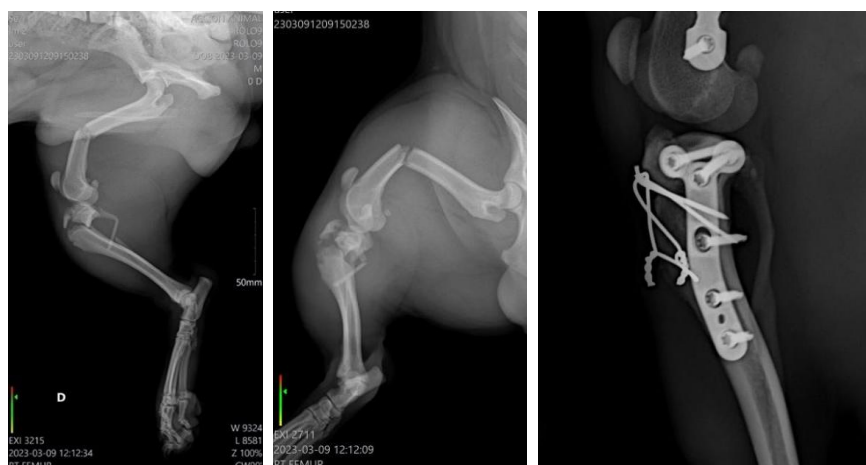
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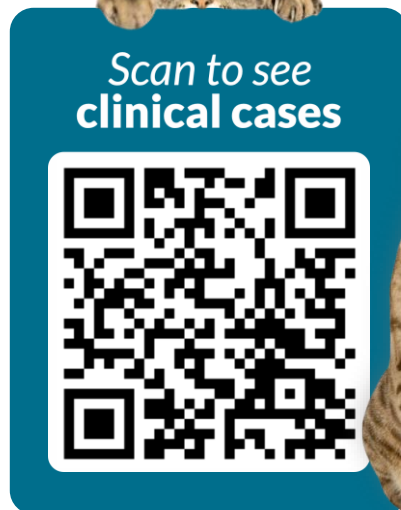
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Exclusive for online purchases



Mid-shaft femur and tibia. Courtesy Dr. Islas, Mexico



TPLO. Courtesy Dr. Claudio, Mexico



TPLO proximal tibia. Courtesy Dr. Harper, TX

TPLO proximal tibia.
Courtesy Dr. Garcia,
Mexico



TTA X-Porous TTA

Wedges



3D Printed Titanium

Porous for osteointegration & Infection resistance

Lattice Structure

Promotes Osteo-Induction & Osteo-Conduction

Adjustable Length

Distal structure can be cut to match patient anatomy

Plates



Reversible

Reduces inventory

Angled Design

Matches anatomy

Proximal Locking

Grips tibial crest securely

Distal Pivot Hole

Allows micromotion to promote healing

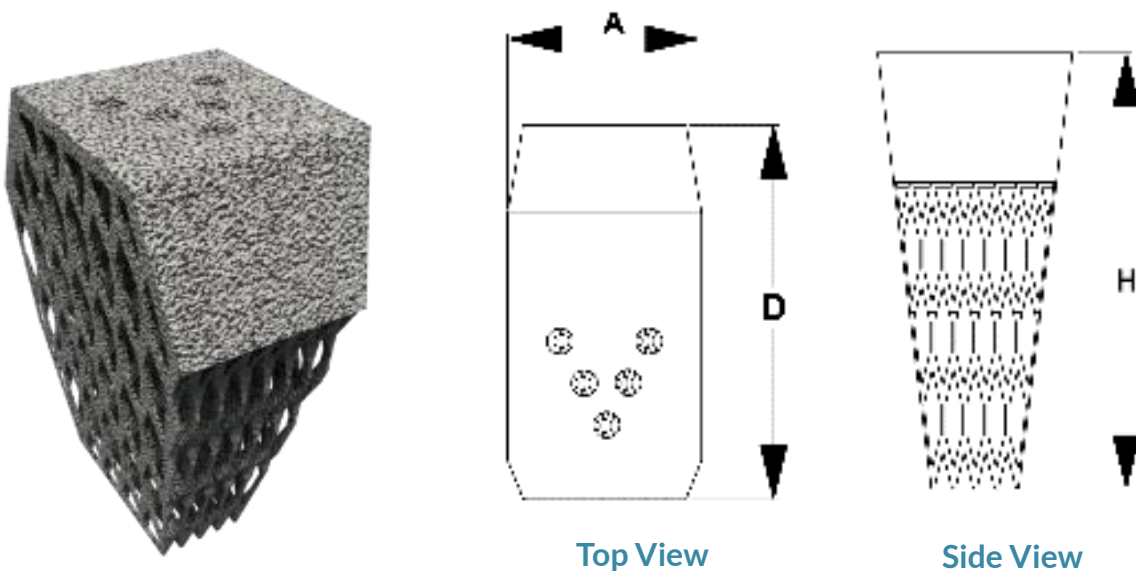
Material of wedges and plates: Titanium 6Al-4V

- Excellent fatigue strength
- Resistance to corrosion and infection
- Minimal image distortion in CTs and MRIs

TTA WEDGES

Code	Product Name	Advancement A (mm)	Depth D (mm)
W3x5-TTA	Wedge 3 x 5 mm	3.0	5
W3x7-TTA	Wedge 3 x 7 mm	3.0	7
W4.5x8-TTA	Wedge 4.5 x 8 mm	4.5	8
W4.5x11-TTA	Wedge 4.5 x 11 mm	4.5	11
W6x11-TTA	Wedge 6 x 11 mm	6.0	11
W6x14-TTA	Wedge 6 x 14 mm	6.0	14
W7.5x14-TTA	Wedge 7.5 x 14 mm	7.5	14
W7.5x17-TTA	Wedge 7.5 x 17 mm	7.5	17
W9x14-TTA	Wedge 9 x 14 mm	9.0	14
W9x17-TTA	Wedge 9 x 17 mm	9.0	17
W9x20-TTA	Wedge 9 x 20 mm	9.0	20
W10.5x17-TTA	Wedge 10.5 x 17 mm	10.5	17
W10.5x20-TTA	Wedge 10.5 x 20 mm	10.5	20
W12x17-TTA	Wedge 12 x 17 mm	12.0	17
W12x20-TTA	Wedge 12 x 20 mm	12.0	20
W12x23-TTA	Wedge 12 x 23 mm	12.0	23
W13.5x20-TTA	Wedge 13.5 x 20 mm	13.5	20
W13.5x23-TTA	Wedge 13.5 x 23 mm	13.5	23
W15x21-TTA	Wedge 15 x 21 mm	15.0	21
W15x24-TTA	Wedge 15 x 24 mm	15.0	24

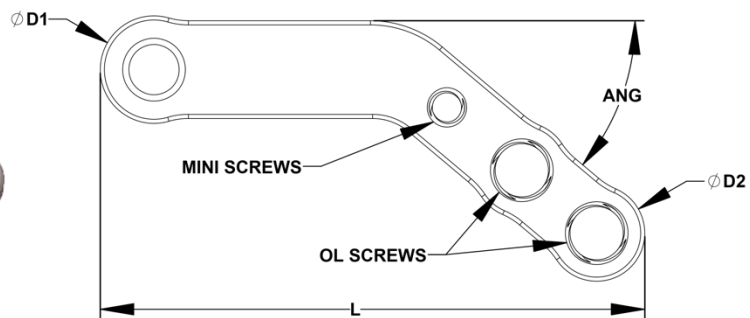
Wedges selection base on (1) size of tibia and (2) Tibial Tuberosity Advancement.



TTA PLATES

Code	Length L (mm)	Screw Holes Type	Proximal Dia. D1 (mm)	Distal Dia. D2 (mm)	Thickness T (mm)	Angle A (deg)
PX4-16	16	MINI	4.8	4.0	1.4	40
PX4-21	21		5.5	4.8		
PX4-25	25					
P7H1Q-33	33	OsTi-Lok & MINI	7.7	6.9	1.8	40
P7H1Q-39	39					30
P7H1Q-42	42					
P7H1Q-57	57					
P8H2Q-63	63	OsTi-Lok	8.6	7.9	2.0	30
P8H2Q-69	69					

Plate selection based on size of tibia. Just 9 plates cover a wide range of patients.



TTA INSTRUMENTS

Code	Product Name
DISTRACTOR-AD	Distractor
OSTEOGUIDE-AD	Osteotomy Guide
IMPACTOR	Impactor
TTA Tray-150	TTA Sterilization Tray



TTA Sterilization Tray



Distractor →



Osteotomy Guide →



Impactor →



Courtesy Dr. Islas, Mexico

Scan to see
clinical cases



Courtesy Dr. Silva, Colombia



Courtesy Dr. Rovesti, Italy



Courtesy Dr. Silva, Colombia

SCREWS

OsTi-Lok

Plate Compatibility: All **OsTi-Lok** screws are compatible with all **OsTi-Lok** fracture & TPLO plates regardless of size.

Compression Screws



CS35-101

Diameter: 3.5 mm
Lengths: 10 – 40 every 2 mm,
45 mm, 50 mm
Drill Diameter: 2.7 mm

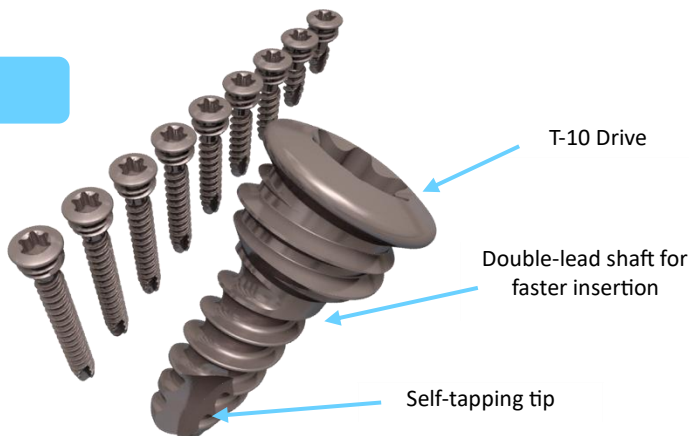
CS27-101

Diameter: 2.7 mm
Lengths: 10 – 40 every 2 mm
Drill Diameter: 2.0 mm

CS24-101

Diameter: 2.4 mm
Lengths: 10 – 30 every 2 mm
Drill Diameter: 2.0 mm

Locking Screws



LS35-101

Diameter: 3.5 mm
Lengths: 10 – 40 every 2 mm,
45 mm, 50 mm
Drill Diameter: 2.7 mm

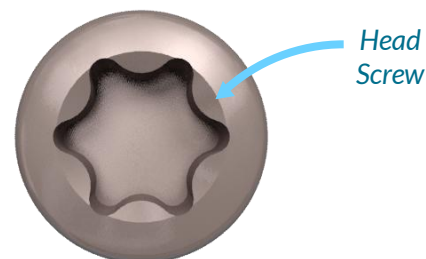
LS27-101

Diameter: 2.7 mm
Lengths: 8 – 32 mm, every 2 mm
Drill Diameter: 2.0 mm

LS24-101

Diameter: 2.4 mm
Lengths: 10 – 24 mm, every 2 mm
Drill Diameter: 2.0 mm

-  Compatible with all **OsTi-Lok** fracture plates
-  Compatible with all **OsTi-Lok** TPLO plates
-  Compatible with all 7 and 8 series TTA plates

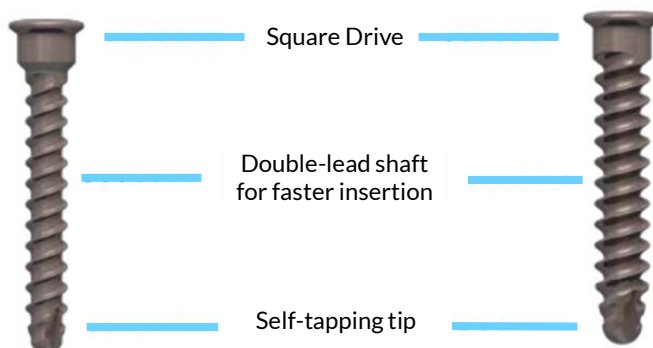


OsTi-Lok **MINI**

Plate Compatibility: **OsTi-Lok MINI** screws are compatible with all **OsTi-Lok MINI** fracture plates regardless of size.

Compression Screws

CS15-050   
Diameter: 1.5 mm
Drill Diameter: 1.2 mm

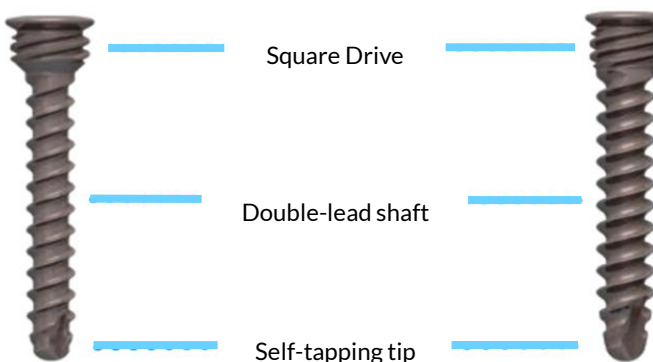


   **CS20-050**
Diameter: 2.0 mm
Drill Diameter: 1.5 mm

Lengths: 6-20mm every 2mm

Locking Screws

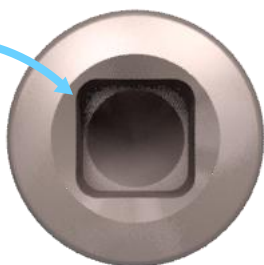
LS15-050   
Diameter: 1.5 mm
Drill Diameter: 1.2 mm



   **LS20-050**
Diameter: 2.0 mm
Drill Diameter: 1.5 mm

Lengths: 6-20mm every 2mm

Head
Screw



-  Compatible with all **OsTi-Lok MINI** fracture
-  Compatible with all **OsTi-Lok MINI** TPLO
-  Compatible with all 4 and 7 series TTA plates

INSTRUMENTS

Screw Placement

OsTi-Lok

Drill Bits

AODB2427-100 for 2.4 mm and 2.7 mm screws

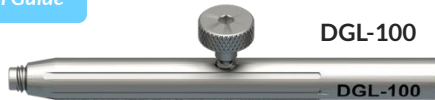


AODB35-100 for 3.5 mm screws



*Drill bit scale permit depth measurement when used through drill guide.

Locking Drill Guide



*Guarantees drilled hole aligns with threaded plate hole.
*Drill bit can be locked to stabilize fracture before placing a screw.

Screw Gauge



*Measures accurately from top of plate to far cortex.
*Hooks far cortex by spring action, no tilting required.
*It can be used over Drill Guide by removing bushing.

Screwdriver



T10SHAFT



*Unique shaft tip design picks up screw reliably.
*T10 shaft is available separately for use with power.

OsTi-Lok **MINI**

Drill Bits MINI

AODB15-050 for 1.5 mm screws

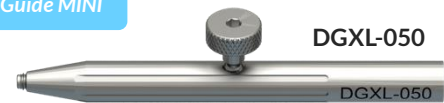


AODB20-050 for 2.0 mm screws



*Drill bit scale permit depth measurement when used through drill guide.

Locking Drill Guide MINI



*Guarantees drilled hole aligns with threaded plate hole.
*Drill bit can be locked to stabilize fracture before placing a screw.

Screw Gauge MINI



*Measures accurately from top of plate to far cortex.
*Hooks far cortex by spring action, no tilting required.
*It can be used over Drill Guide by removing bushing.

Square Driver MINI



SDXSHAF



*Unique shaft tip design picks up screw reliably.

AO Handle



Handle with AO quick-connect is also available to use with T10 Shaft.

Plate Bending

OsTi-Lok

Grip Nuts

Small
GNS-100



Medium
GNM-100



Large
GNL-100



*Assemble with Grip Nut Handle to grip corresponding plate size for bending.

Angled Grip Nuts

Small
AGNS-100



Medium
AGNM-100



Large
AGNL-100



*Similar to Grip Nuts (above), except can be used to bend adjacent plate nodes.

*Useful as plate inserter; assemble it with the Grip Nut Handle to the end of the plate.

Grip Nut Handle

GNH-100



*Assembles with Grip Nut or Angled Grip Nut to bend the plate, to shape it or cut it.

*Two Grip Nut Handles can be assembled in line to increase leverage.

Sagittal Grip Nut Handle

SGNH-100



*Assembles with Grip Nuts by sliding along the side grooves of the Grip Nuts.

*Enables sagittal (in-plane) bending of plates.

Cross Node Bender

BQL-104



*Threads into Cross Plate center hole to enable bending the arms or the short end of the plate.

OsTi-Lok MINI

Grip Nut MINI

GNX-050

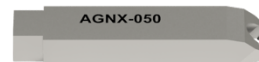


*Assemble with Grip Nut Handle to grip corresponding plate size for bending.

*One size for all plates.

Angled Grip Nut MINI

AGNX-050



*Similar to Grip Nuts (above), except can be used to bend adjacent plate nodes.

*Useful as plate inserter; assemble it with the Grip Nut Handle to the end of the plate.

*One size for all plates.

Grip Nut Handle MINI

GNH-050



*Assembles with Grip Nut or Angled Grip Nut to bend the plate, to shape it or cut it.

In-Plane Bender Handle MINI

SBXH-050



*Assembles with Grip Nuts on the square ends of the Grip Nuts.

*Enables in-plane bending of plates.

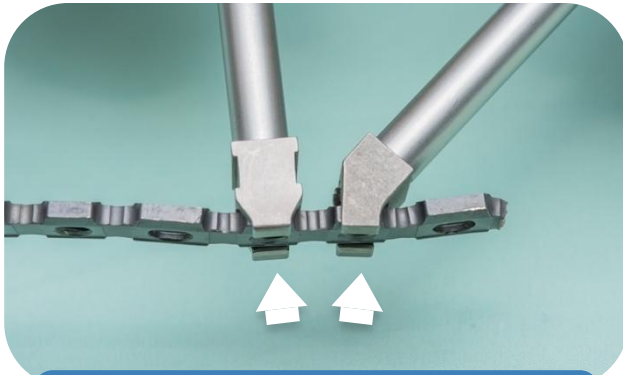


See **PLATE BENDING
TECHNIQUE** on next page

HOW TO BEND OSTI-LOK PLATES

OsTi-Lok

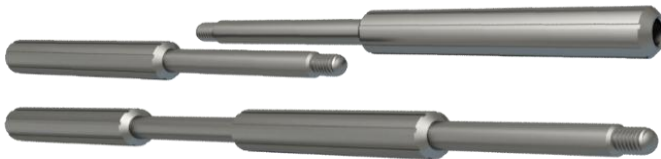
Out-of Plane Bend



Domes of Grip Nut Handle must be centered in hole



To bend adjacent nodes... Use one Angled Grip Nut, or grip plate from opposite sides

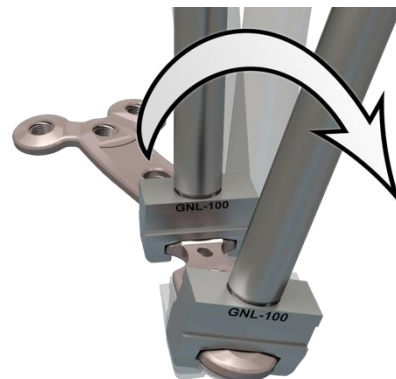


Grip Nut Handles can be threaded into each other to gain leverage for bending or cutting

In-Plane Bend



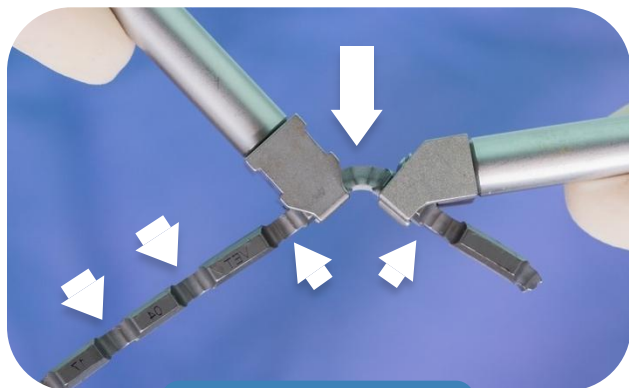
Multiple bridges can be bent at once Note domes of Grip Nut Handles centered in holes



Torsional Bend (Twist)

Plate shaft can be rotated about its axis by applying a torsional force with the Grip Nut Handles

Cutting the plate



Only cut grooved bridges



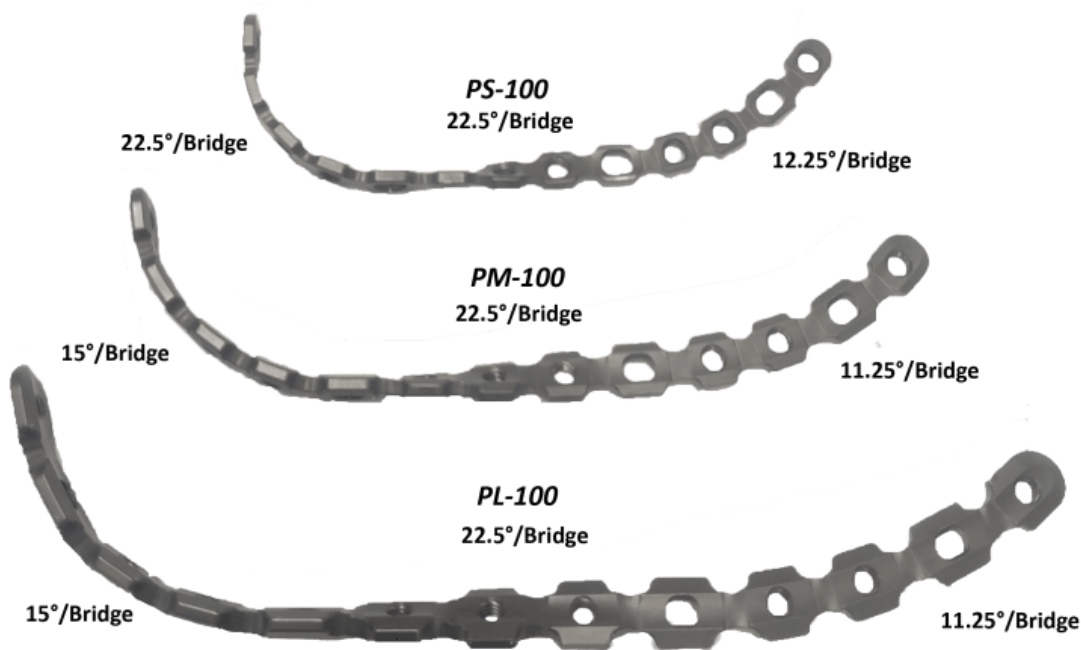
Cut should be oriented towards bone Plate
should cut cleanly at center of bridge

Safe Bending Ranges

Out-of-Plane Bending

Torsion

In-Plane Bending

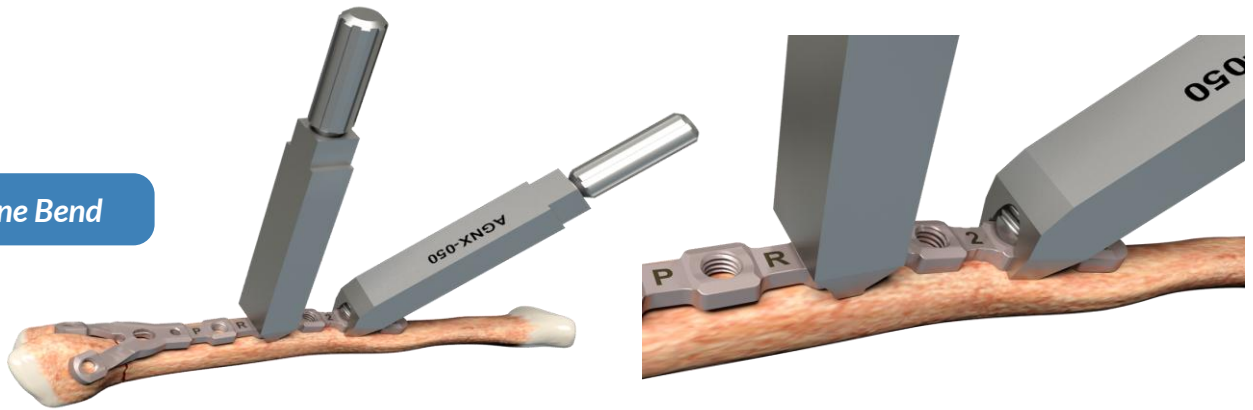


Scan to see
how to bend
& cut our plates



OsTi-Lok MINI

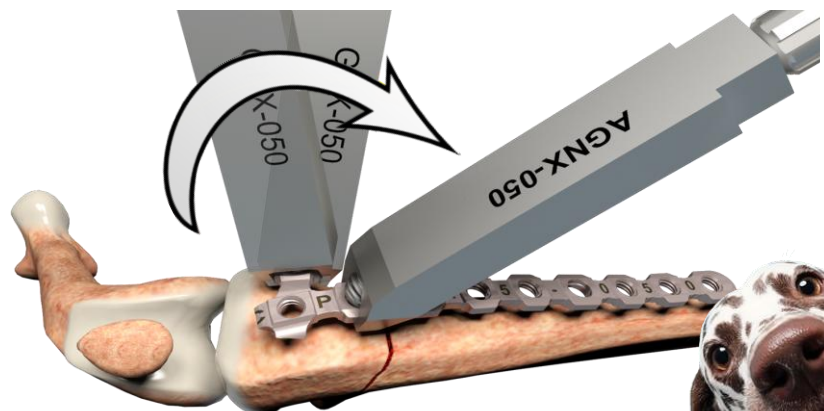
Out-of Plane Bend



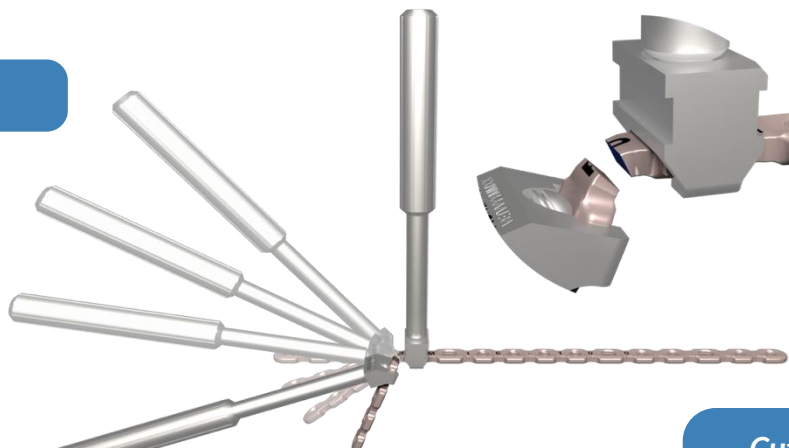
In-Plane Bend



Torsional Bend (Twist)



Cutting the plate



Cut should be oriented
towards bone

Safe Bending Ranges

Out-of-Plane Bending

Torsion

In-Plane Bending

PX15-050
22.5°/Bridge 12.5°/Bridge

PX20-050
22.5°/Bridge 12.5°/Bridge



Unlock next-level
performance with our
Technical Tips

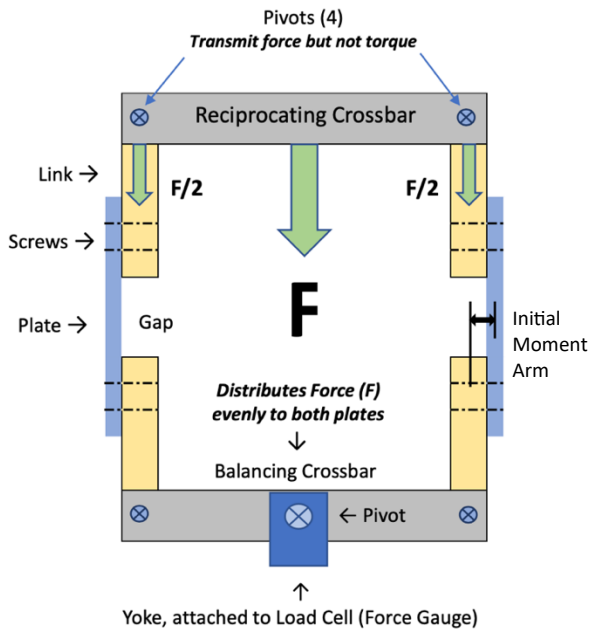


TESTING

Tandem Fatigue Tester

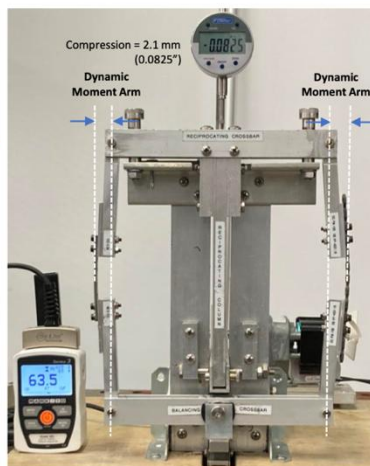
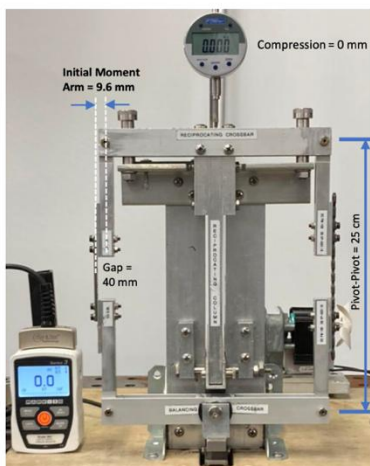
The **Tandem Fatigue Test** has been designed to compare the performance in flexibility and resistance between two plates, simulating the gap of a bone fracture and the force exerted by the weight of a moving animal.

- **Loading is physiological** – The tester applies an axial force, just like the limb.
- **The screws are involved** – The plate can be held with the screws of the system, exposing them to shear forces.
- **Fixture-induced failures are minimized** – Failure is likely to occur at either
(1) the Gap, away from the links, or at
(2) the weakest point of the plate-screw system near the Gap



TEST PARAMETER	VALUE	SIMULATES
Distance between Pivots	25 cm	Limb length
Width of Link	12.7 to 19.3 mm	Bone width
Gap	6 to 40 mm	Length of fracture
Peak Load (Compression Force)	Up to 70 kg * (154 lbs)	Peak load acting on plates (Each plate experiences 50%)
Cycle Frequency	200 rpm	25 hrs. = 300,000 Cycles

* Maximum safe load of current Tandem Fatigue Tester

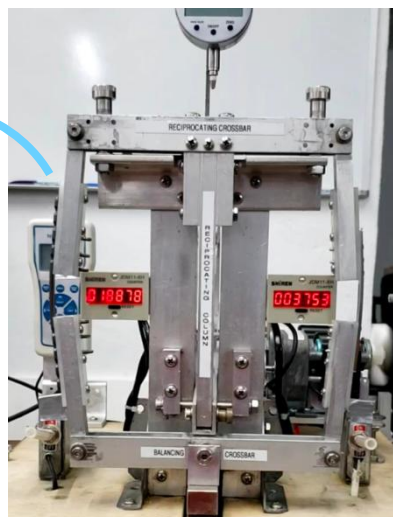


Scan to see the full test



It's ideal for head-to-head comparison of two plates.

Note the Ti 6-4 OsteoCertus plate flexes more than the SS 316L plate



TEST RESULTS		
Specimen	Number of Cycles	Results
VOI 8.0 8LL#1	15,125	Fractured thru 1 st hole on Link
VOI 8.0 8LL #2	12,813	Fractured thru 1 st hole on Link
VOI 8.0 8LL #3	12,802	Fractured thru 1 st hole on Link
VOI 8.0 8LL #4	13,419	Fractured thru 1 st hole on Link
VOI 8.0 8LL Avg	13,540	See above
PMHS-100 # 1	54,159	Did not fracture

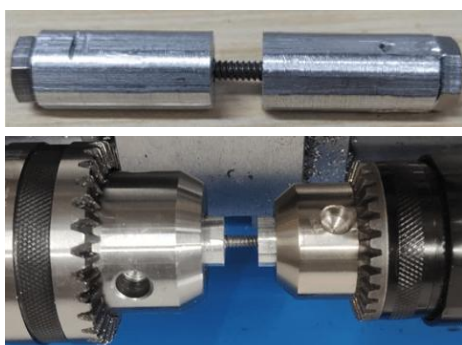
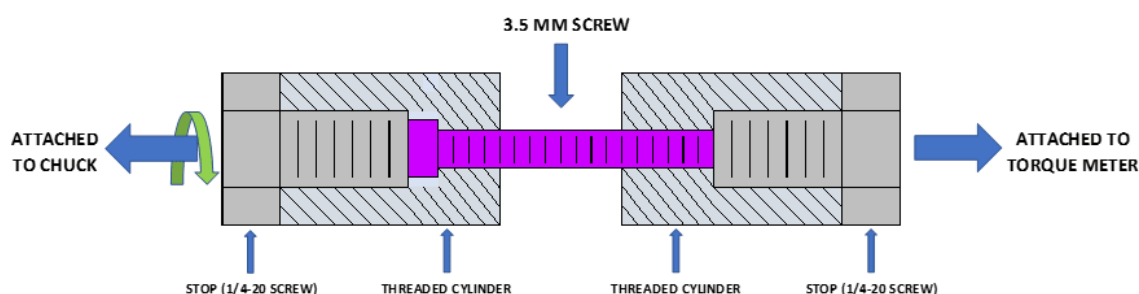
Pivot-Pivot = 25 cm Link Width = 19.3 mm Gap = 34 mm Peak Load/plate = 31.8 kg (70 lbs)

Screw Torque Test

The **Screw Shaft Torque Test** measures the torque capacity of OsTi-Lok screws in pure torsion (with zero axial load).

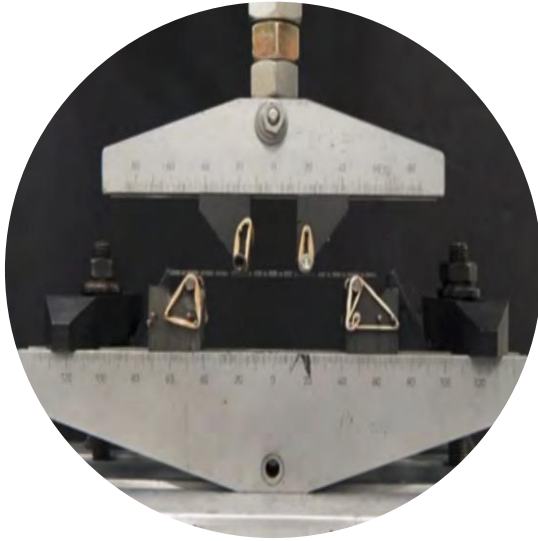
The table shows the maximum torque for each screw diameter and the relative torque using the 3.5mm screw as the benchmark.

The torque values given represent the average for a statistically significant sample size.



Diameter	Torque	Comparison
3.5 mm	33.4 in-lbs.	100%
2.7 mm	15.1 in-lbs.	45%
2.4 mm	12.0 in-lbs.	36%
2.0 mm	5.2 in-lbs	15%
1.5 mm	3.0 in-lbs	9%

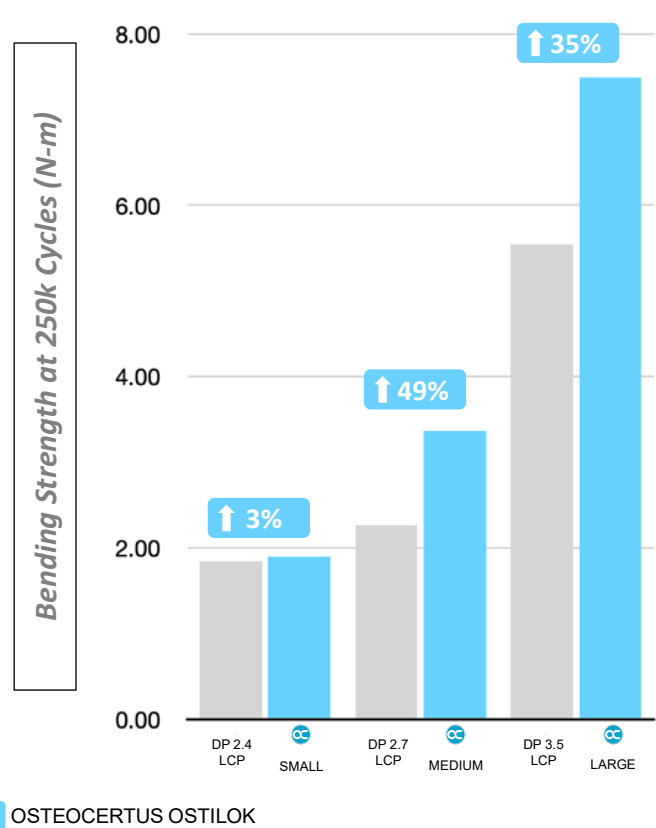
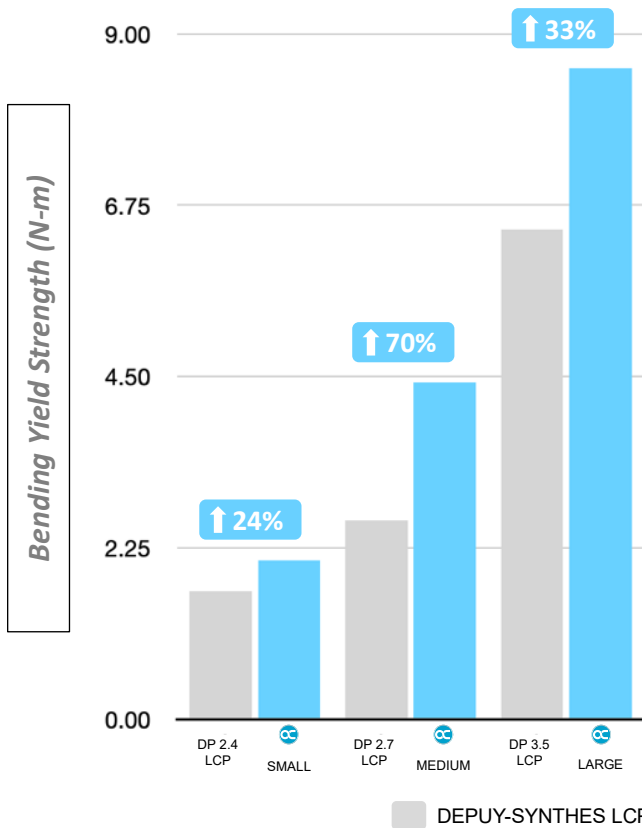
Four-Point Bend Test



This test compares the Strength of **OsTi-Lok** plates versus equivalent Synthes plates in Static and Fatigue testing.

Static

Fatigue



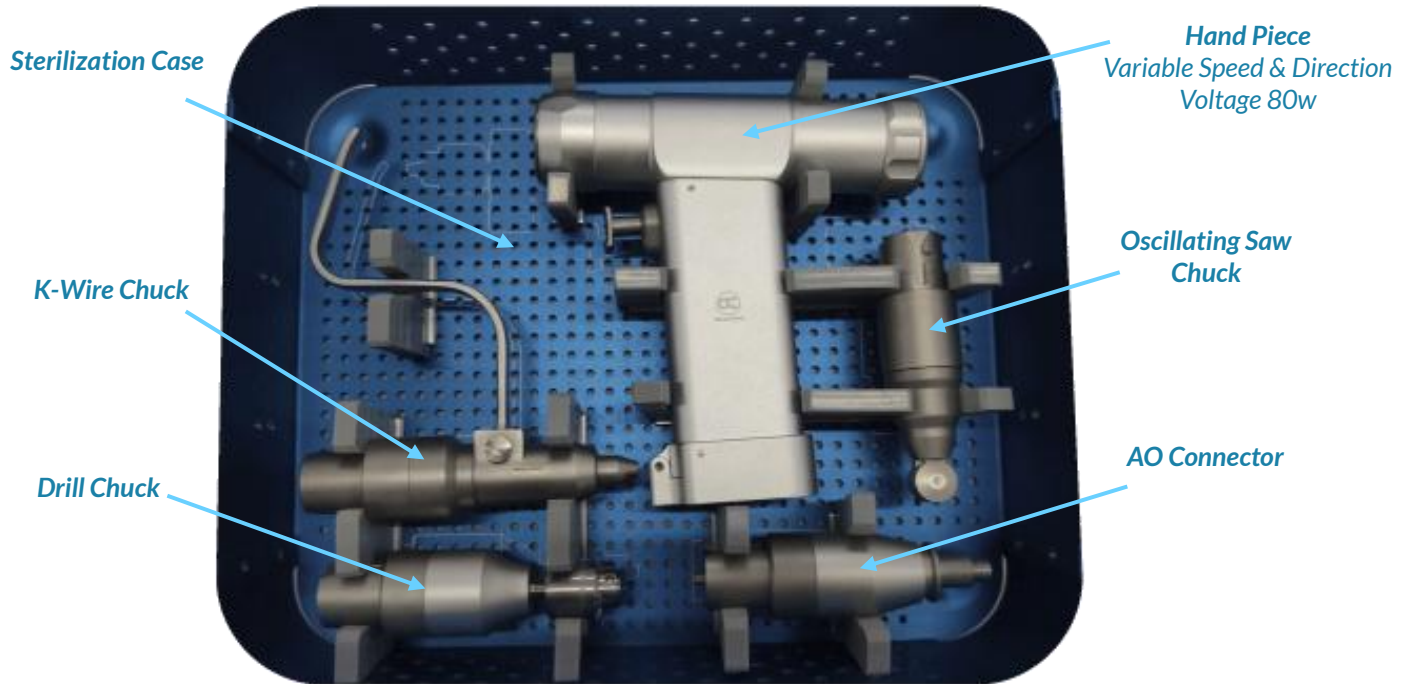
OsTi-Lok offers contour ability while maintaining plate

**SCAN TO SEE OUR
TECHNICAL TIPS**



POWER TOOLS & ACCESORIES

Multi-Functional Drill System



Maximum Speed
16000 rpm

Saw Blades
Available in 8 sizes

One-year warranty
For manufacturing defects

2 Batteries
Up to 50 uses per charge

Set Content

Code	Product Name	Quantity
MFD	Multi-Functional Drill	
SBF2208	Saw Blade TTA, 40*22*8*0.5	1
SBF2212	Saw Blade TTA, 40*22*12*0.5	1
SBF2215	Saw Blade TTA, 40*22*15*0.5	1
SBF2505	Saw Blade TTA, 43*25*5.5*0.5	1
SBF2509	Saw Blade TTA, 43*25*9.5*0.5	1
SBF2907	Saw Blade TTA, 47.5*29.5*7*0.5	1
SBF3109	Saw Blade TTA, 49*31*9.5*0.5	1
SBF4015	Saw Blade TTA, 55*40*15*0.5	1
MFDB	Multi-Functional Drill Battery	1
SCMFD	Sterilization Case For MFD	1



TPLO

Saw



Maximum Speed
16000 rpm

One-year warranty
For manufacturing defects

Saw Blades
Available in 8 sizes

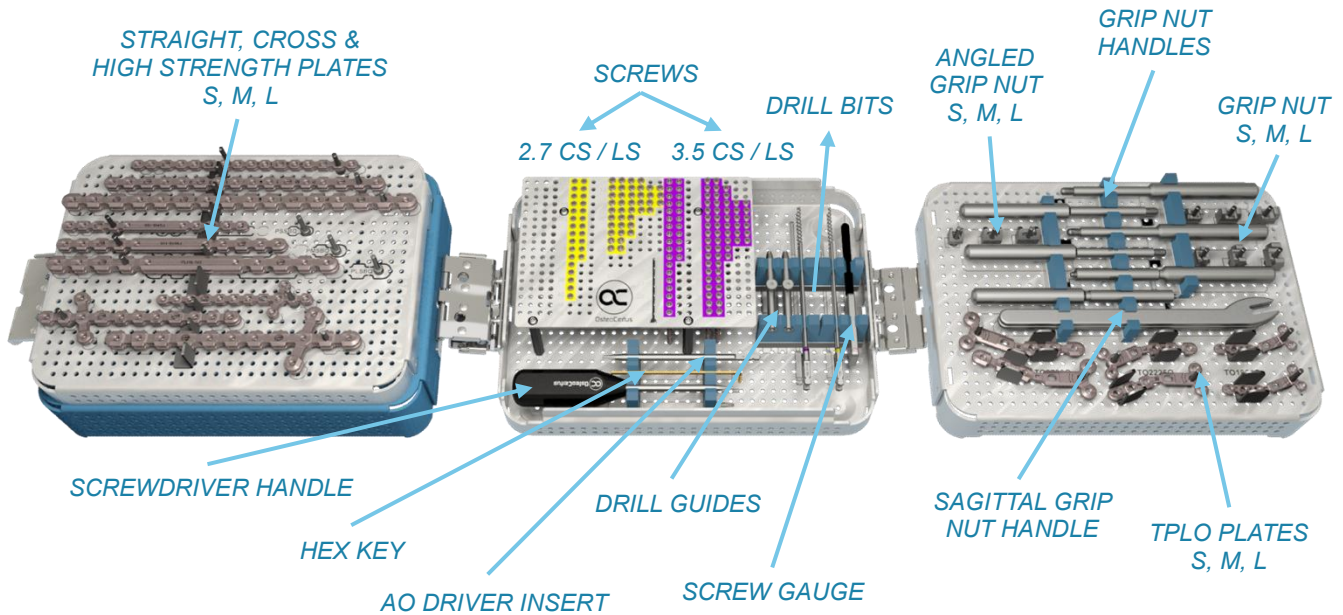
2 Batteries
Charge makes up to 50 times

Set Content

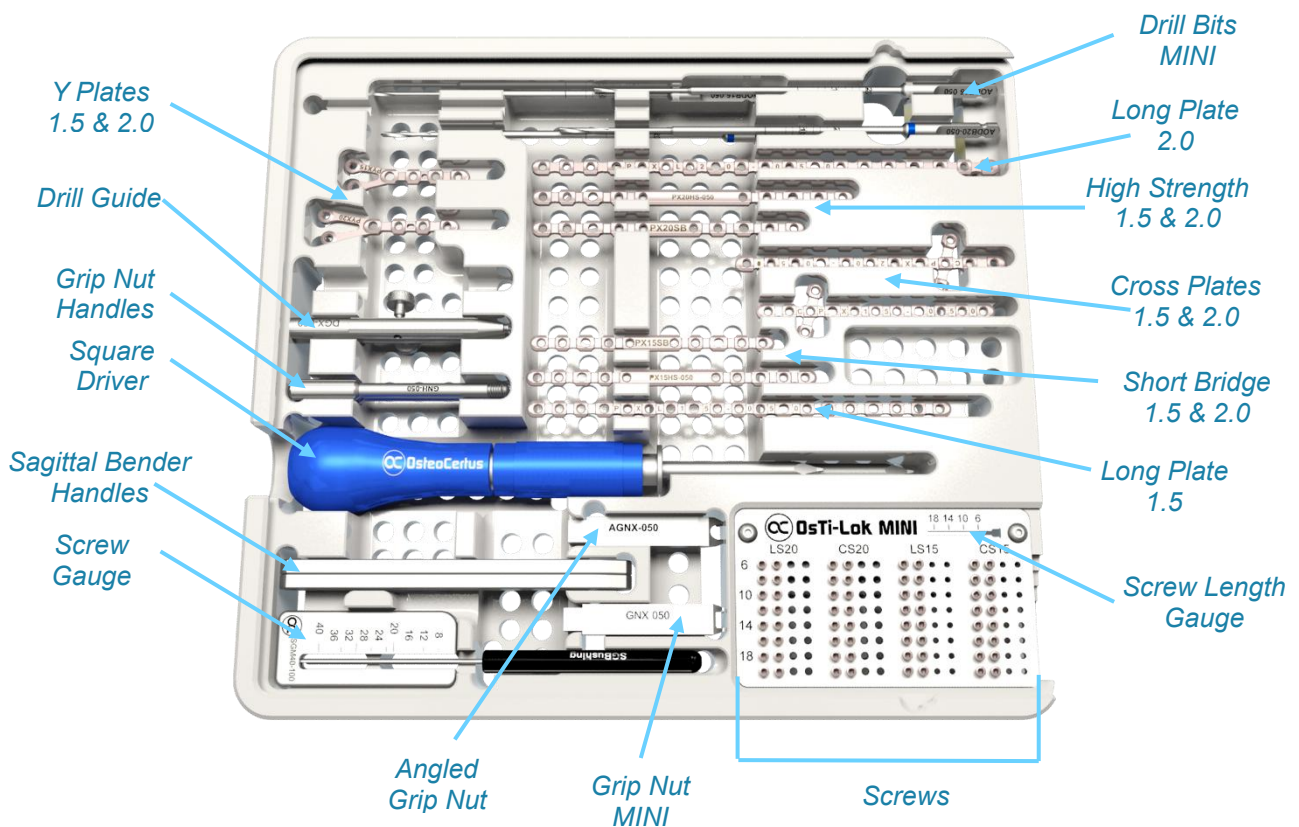
Code	Product Name	Quantity
TPLOOS	TPLO Saw (No Saw Blades)	1
SBR10	Saw Blade 10 mm radius	1
SBR12	Saw Blade 12 mm radius	1
SBR15	Saw Blade 15 mm radius	1
SBR18	Saw Blade 18 mm radius	1
SBR21	Saw Blade 21 mm radius	1
SBR24	Saw Blade 24 mm radius	1
SBR27	Saw Blade 27 mm radius	1
SBR30	Saw Blade 30 mm radius	1
TOSB	TPLO Saw Battery	1
SCTPLO	Sterilization Case For TPLOOS	1

SETS & CASES

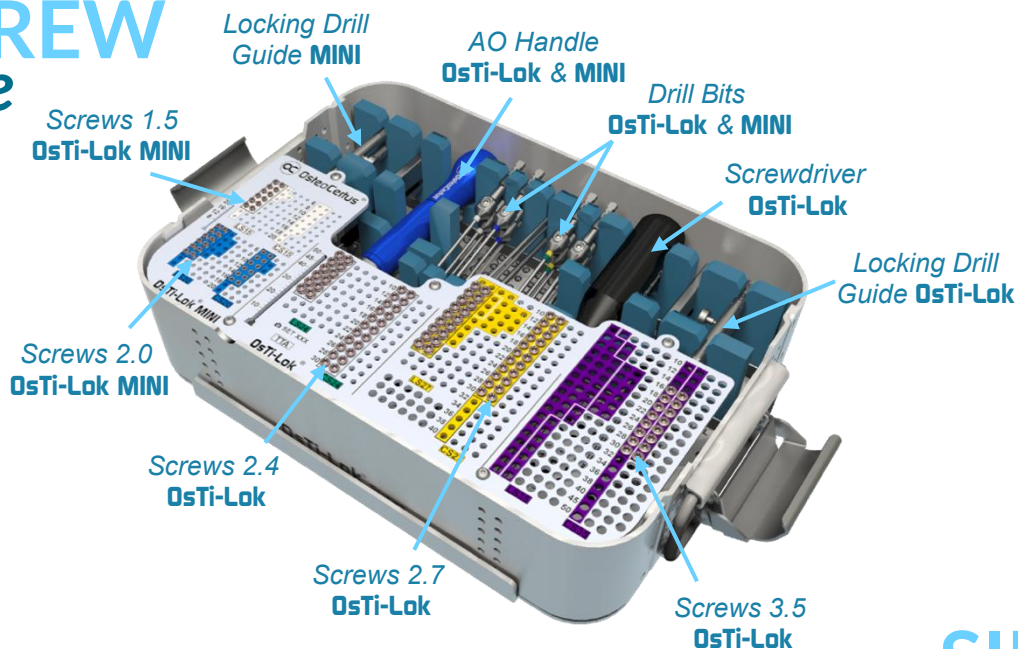
OsTi-Lok set



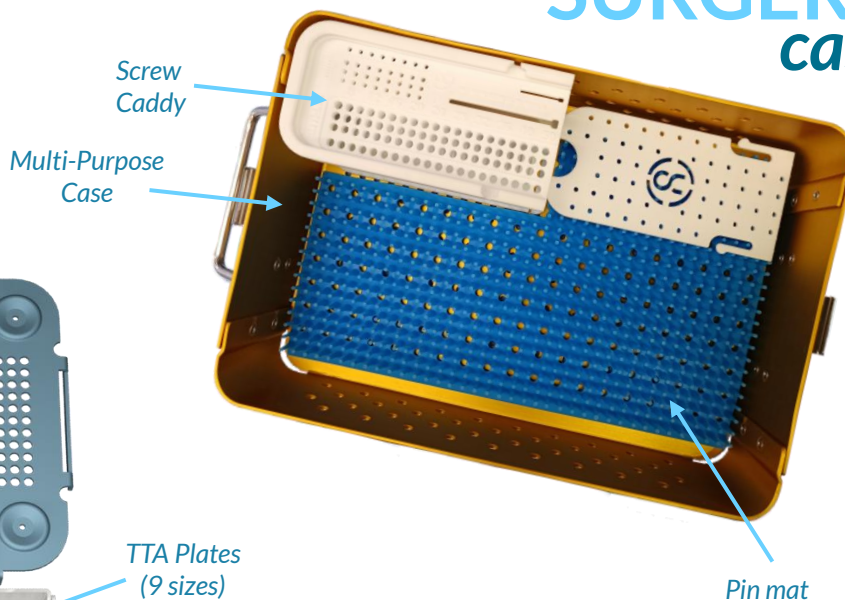
OsTi-Lok **MINI** set



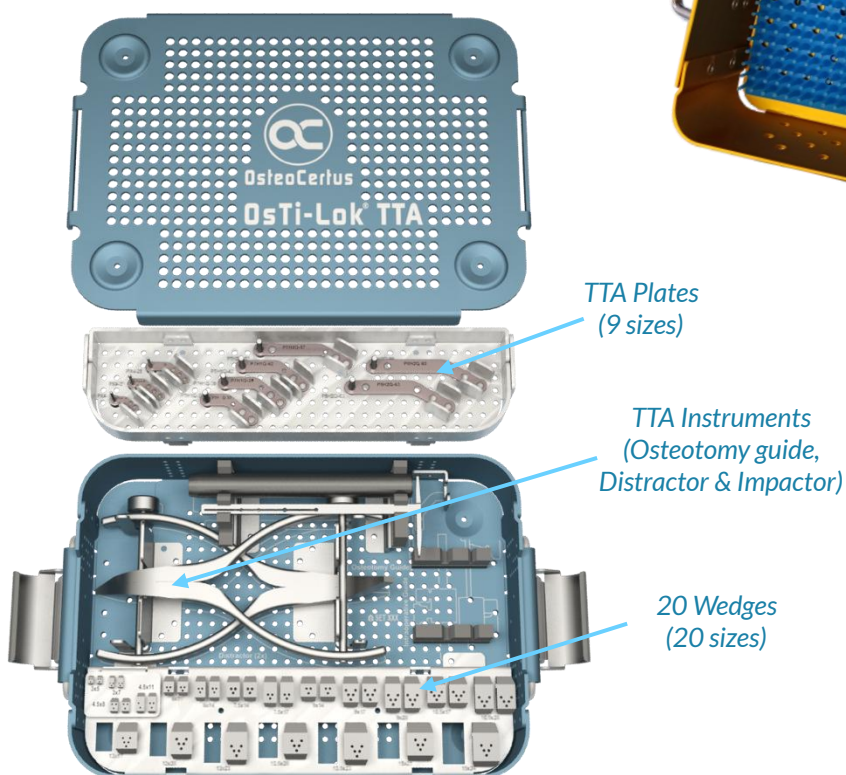
SCREW case



SINGLE SURGERY case



TTA case



CODE LIST

Plates

Code	Product Name
PS16Q-104	16 Hole Small Plate, Quad
PM16Q-104	16 Hole Medium Plate, Quad
PL16Q-104	16 Hole Large Plate, Quad
PSHSQ-104	High Strength Small Plate, Quad
PMHSQ-104	High Strength Medium Plate, Quad
PLHSQ-104	High Strength Large Plate, Quad
PSSBQ-104	Short Bridge Small Plate, Quad
PMSBQ-104	Short Bridge Medium Plate, Quad
PLSBQ-104	Short Bridge Large Plate, Quad
CPSQ-104	Cross Plate Small, Quad
CPMQ-104	Cross Plate Medium, Quad
CPLQ-104	Cross Plate Large, Quad
TO1821QS-104L	TPLO Plate Small, Left
TO1821QS-104R	TPLO Plate Small, Right
TO2225QS-104L	TPLO Plate Medium, Left
TO2225QS-104R	TPLO Plate Medium, Right
TO2730QS-104L	TPLO Plate Large, Left
TO2730QS-104R	TPLO Plate Large, Right
TO15SQ-104L	TPLO Small Narrow, Left
TO15SQ-104R	TPLO Small Narrow, Right
TO18MQ-104L	TPLO Medium Narrow, Left
TO18MQ-104R	TPLO Medium Narrow, Right
TO21LQ-104L	TPLO Large Narrow, Left
TO21LQ-104R	TPLO Large Narrow, Right
TO24Q-104L	TPLO X-Large Narrow, Left
TO24Q-104R	TPLO X-Large Narrow, Right
PX4-16	TTA Plate 4S, MINI
PX4-21	TTA Plate 4M, MINI
PX4-25	TTA Plate 4L, MINI
P7H1Q-33	TTA Plate 7S, MINI & OL
P7H1Q-39	TTA Plate 7M, MINI & OL
P7H1Q-42	TTA Plate 7L, MINI & OL
P7H2Q-57	TTA Plate 7SL, MINI & OL
P8H2Q-63	TTA Plate 8SM, MINI & OL
P8H2Q-69	TTA Plate 8SL, MINI & OL
PXL20-050	Long Plate 2.0, MINI
PXL15-050	Long Plate 1.5, MINI
PX20HS-050	High Strength Plate 2.0, MINI
PX20SB-050	Short Bridge Plate 2.0, MINI
CPX20-050	Cross Plate 2.0, MINI
PYX20-050	Y Plate 2.0, MINI
PX15HS-050	High Strength Plate 1.5, MINI
PX15SB-050	Short Bridge Plate 1.5, MINI
CPX15-050	Cross Plate 1.5, MINI
PYX15-050	Y Plate 1.5, MINI
P7H1Q-33	TTA Plate 7S, MINI & OL
P7H1Q-39	TTA Plate 7M, MINI & OL
P7H1Q-42	TTA Plate 7L, MINI & OL

Code	Product Name
P7H2Q-57	TTA Plate 7SL, MINI & OL
P8H21-63	TTA Plate 4SM, OL
P8H21-69	TTA Plate 8SL, OL

Screws

Code	Product Name
LS35-101-10	Locking Screw, 3.5 mm x 10 mm
LS35-101-12	Locking Screw, 3.5 mm x 12 mm
LS35-101-14	Locking Screw, 3.5 mm x 14 mm
LS35-101-16	Locking Screw, 3.5 mm x 16 mm
LS35-101-18	Locking Screw, 3.5 mm x 18 mm
LS35-101-20	Locking Screw, 3.5 mm x 20 mm
LS35-101-22	Locking Screw, 3.5 mm x 22 mm
LS35-101-24	Locking Screw, 3.5 mm x 24 mm
LS35-101-26	Locking Screw, 3.5 mm x 26 mm
LS35-101-28	Locking Screw, 3.5 mm x 28 mm
LS35-101-30	Locking Screw, 3.5 mm x 30 mm
LS35-101-32	Locking Screw, 3.5 mm x 32 mm
LS35-101-34	Locking Screw, 3.5 mm x 34 mm
LS35-101-36	Locking Screw, 3.5 mm x 36 mm
LS35-101-38	Locking Screw, 3.5 mm x 38 mm
LS35-101-40	Locking Screw, 3.5 mm x 40 mm
LS35-101-45	Locking Screw, 3.5 mm x 45 mm
LS35-101-50	Locking Screw, 3.5 mm x 50 mm
CS35-101-10	Compression Screw, 3.5 mm x 10 mm
CS35-101-12	Compression Screw, 3.5 mm x 12 mm
CS35-101-14	Compression Screw, 3.5 mm x 14 mm
CS35-101-16	Compression Screw, 3.5 mm x 16 mm
CS35-101-18	Compression Screw, 3.5 mm x 18 mm
CS35-101-20	Compression Screw, 3.5 mm x 20 mm
CS35-101-22	Compression Screw, 3.5 mm x 22 mm
CS35-101-24	Compression Screw, 3.5 mm x 24 mm
CS35-101-26	Compression Screw, 3.5 mm x 26 mm
CS35-101-28	Compression Screw, 3.5 mm x 28 mm
CS35-101-30	Compression Screw, 3.5 mm x 30 mm
CS35-101-32	Compression Screw, 3.5 mm x 32 mm
CS35-101-34	Compression Screw, 3.5 mm x 34 mm
CS35-101-36	Compression Screw, 3.5 mm x 36 mm
CS35-101-38	Compression Screw, 3.5 mm x 38 mm
CS35-101-40	Compression Screw, 3.5 mm x 40 mm
CS35-101-45	Compression Screw, 3.5 mm x 45 mm
CS35-101-50	Compression Screw, 3.5 mm x 50 mm
LS27-101-08	Locking Screw, 2.7 mm x 08 mm
LS27-101-10	Locking Screw, 2.7 mm x 10 mm
LS27-101-12	Locking Screw, 2.7 mm x 12 mm
LS27-101-14	Locking Screw, 2.7 mm x 14 mm
LS27-101-16	Locking Screw, 2.7 mm x 16 mm

Code	Product Name
LS27-101-18	Locking Screw, 2.7 mm x 18 mm
LS27-101-20	Locking Screw, 2.7 mm x 20 mm
LS27-101-22	Locking Screw, 2.7 mm x 22 mm
LS27-101-24	Locking Screw, 2.7 mm x 24 mm
LS27-101-26	Locking Screw, 2.7 mm x 26 mm
LS27-101-28	Locking Screw, 2.7 mm x 28 mm
LS27-101-30	Locking Screw, 2.7 mm x 30 mm
LS27-101-32	Locking Screw, 2.7 mm x 32 mm
CS27-101-10	Compression Screw, 2.7 mm x 10 mm
CS27-101-12	Compression Screw, 2.7 mm x 12 mm
CS27-101-14	Compression Screw, 2.7 mm x 14 mm
CS27-101-16	Compression Screw, 2.7 mm x 16 mm
CS27-101-18	Compression Screw, 2.7 mm x 18 mm
CS27-101-20	Compression Screw, 2.7 mm x 20 mm
CS27-101-22	Compression Screw, 2.7 mm x 22 mm
CS27-101-24	Compression Screw, 2.7 mm x 24 mm
CS27-101-26	Compression Screw, 2.7 mm x 26 mm
CS27-101-28	Compression Screw, 2.7 mm x 28 mm
CS27-101-30	Compression Screw, 2.7 mm x 30 mm
CS27-101-32	Compression Screw, 2.7 mm x 32 mm
CS27-101-34	Compression Screw, 2.7 mm x 34 mm
CS27-101-36	Compression Screw, 2.7 mm x 36 mm
CS27-101-38	Compression Screw, 2.7 mm x 38 mm
CS27-101-40	Compression Screw, 2.7 mm x 40 mm
LS24-101-10	Locking Screw, 2.4 mm x 10 mm
LS24-101-12	Locking Screw, 2.4 mm x 12 mm
LS24-101-14	Locking Screw, 2.4 mm x 14 mm
LS24-101-16	Locking Screw, 2.4 mm x 16 mm
LS24-101-18	Locking Screw, 2.4 mm x 18 mm
LS24-101-20	Locking Screw, 2.4 mm x 20 mm
LS24-101-22	Locking Screw, 2.4 mm x 22 mm
LS24-101-24	Locking Screw, 2.4 mm x 24 mm
CS24-101-10	Compression Screw, 2.4 mm x 10 mm
CS24-101-12	Compression Screw, 2.4 mm x 12 mm
CS24-101-14	Compression Screw, 2.4 mm x 14 mm
CS24-101-16	Compression Screw, 2.4 mm x 16 mm
CS24-101-18	Compression Screw, 2.4 mm x 18 mm
CS24-101-20	Compression Screw, 2.4 mm x 20 mm
CS24-101-22	Compression Screw, 2.4 mm x 22 mm
CS24-101-24	Compression Screw, 2.4 mm x 24 mm
CS24-101-26	Compression Screw, 2.4 mm x 26 mm
CS24-101-28	Compression Screw, 2.4 mm x 28 mm
CS24-101-30	Compression Screw, 2.4 mm x 30 mm
LS20-050-06	Locking Screw, 2.0 mm x 06 mm
LS20-050-08	Locking Screw, 2.0 mm x 08 mm
LS20-050-10	Locking Screw, 2.0 mm x 10 mm
LS20-050-12	Locking Screw, 2.0 mm x 12 mm
LS20-050-14	Locking Screw, 2.0 mm x 14 mm
LS20-050-16	Locking Screw, 2.0 mm x 16 mm
LS20-050-18	Locking Screw, 2.0 mm x 18 mm
LS20-050-20	Locking Screw, 2.0 mm x 20 mm
CS20-050-06	Compression Screw, 2.0 mm x 06 mm

Code	Product Name
CS20-050-08	Compression Screw, 2.0 mm x 08 mm
CS20-050-10	Compression Screw, 2.0 mm x 10 mm
CS20-050-12	Compression Screw, 2.0 mm x 12 mm
CS20-050-14	Compression Screw, 2.0 mm x 14 mm
CS20-050-16	Compression Screw, 2.0 mm x 16 mm
CS20-050-18	Compression Screw, 2.0 mm x 18 mm
CS20-050-20	Compression Screw, 2.0 mm x 20 mm
LS15-050-06	Locking Screw, 1.5 mm x 06 mm
LS15-050-08	Locking Screw, 1.5 mm x 08 mm
LS15-050-10	Locking Screw, 1.5 mm x 10 mm
LS15-050-12	Locking Screw, 1.5 mm x 12 mm
LS15-050-14	Locking Screw, 1.5 mm x 14 mm
LS15-050-16	Locking Screw, 1.5 mm x 16 mm
LS15-050-18	Locking Screw, 1.5 mm x 18 mm
LS15-050-20	Locking Screw, 1.5 mm x 20 mm
CS15-050-06	Compression Screw, 1.5 mm x 06 mm
CS15-050-08	Compression Screw, 1.5 mm x 08 mm
CS15-050-10	Compression Screw, 1.5 mm x 10 mm
CS15-050-12	Compression Screw, 1.5 mm x 12 mm
CS15-050-14	Compression Screw, 1.5 mm x 14 mm
CS15-050-16	Compression Screw, 1.5 mm x 16 mm
CS15-050-18	Compression Screw, 1.5 mm x 18 mm
CS15-050-20	Compression Screw, 1.5 mm x 20 mm

Wedges

Code	Product Name
W3X5-TTA	Wedge 3 x 5 mm
W3X7-TTA	Wedge 3 x 7 mm
W4.5X11-TTA	Wedge 4.5 x 11 mm
W4.5X8-TTA	Wedge 4.5 x 8 mm
W3X5-TTA	Wedge 3 x 5 mm
W3X7-TTA	Wedge 3 x 7 mm
W4.5X11-TTA	Wedge 4.5 x 11 mm
W4.5X8-TTA	Wedge 4.5 x 8 mm
W6X11-TTA	Wedge 6 x 11 mm
W6X14-TTA	Wedge 6 x 14 mm
W7.5X14-TTA	Wedge 7.5 x 14 mm
W7.5X17-TTA	Wedge 7.5 x 17 mm
W9x14-TTA	Wedge 9 x 14 mm
W9x17-TTA	Wedge 9 x 17 mm
W9x20-TTA	Wedge 9 x 20 mm
W10.5x17-TTA	Wedge 10.5 x 17 mm
W10.5x20-TTA	Wedge 10.5 x 20 mm
W12x17-TTA	Wedge 12 x 17 mm
W12x20-TTA	Wedge 12 x 20 mm
W12x23-TTA	Wedge 13.5 x 20 mm
W13.5x20-TTA	Wedge 13.5 x 23 mm
W13.5x23-TTA	Wedge 12 x 23 mm
W15x21-TTA	Wedge 15 x 21 mm
W15x24-TTA	Wedge 15 x 24 mm

Instruments

Code	Product Name
TPLOOS	TPLO Oscillator (No Saw Blades)
SBR10	Saw Blade , 10 mm Radius
SBR12	Saw Blade, 12 mm Radius
SBR15	Saw Blade, 15 mm Radius
SBR18	Saw Blade, 18 mm Radius
SBR21	Saw Blade, 21 mm Radius
SBR24	Saw Blade, 24 mm Radius
SBR27	Saw Blade, 27 mm Radius
SBR30	Saw Blade, 30 mm Radius
SCTPLO	Sterilization Case for TPLO Saw
MFD	Multi-Functional Drill
SBF2208	Saw Blade TTA, 40*22*8*0.5
SBF2212	Saw Blade TTA, 40*22*12*0.5
SBF2215	Saw Blade TTA, 37*22*15*0.5
SBF2505	Saw Blade TTA, 43*25*5.5*0.5
SBF2509	Saw Blade TTA, 43*25*9.5*0.5
SBF2907	Saw Blade TTA, 47.5*29.5*7*0.5
SBF3109	Saw Blade TTA, 49*31*9.5*0.5
SBF4015	Saw Blade TTA, 55*40*15*0.5
SCMFD	Sterilization Case for MFD
AODB2427-100	Drill Bit OsTi-Lok, Ø 2.0 mm
AODB35-100	Drill Bit OsTi-Lok, Ø 2.7 mm
AOHandle	AO Handle Quick Connect
AOSD-100	Quick Connect Screwdriver, T10
T10SHAFT	AO Driver Insert, T10
SDT10-100 (PU)	Screwdriver, T10
DGL-100	Drill Guide Locking
SG40-110	Screw Gauge, 40 mm
AGNS-100	Angled Grip Nut, Small
AGNM-100	Angled Grip Nut, Medium
AGNL-100	Angled Grip Nut, Large
GNS-100	Grip Nut, Small
GNM-100	Grip Nut, Medium
GNL-100	Grip Nut, Large
GNH-100	Grip Nut Handle
BQL-104	Cross Node Bender
SGNH-100	Sagittal Grip Nut Handle
MPK-110	OsTi-Lok Trat
ScrwTray-150	Screws & Instruments Tray
TTA Tray -150	TTA Plates, Wedges & Instruments Tray
SSHEX-332	Stainless Steel Hex Key, 3/32 in
AODB15-050	Drill Bit OsTi-Lok, Ø 1.2 mm
AODB20-050	Drill Bit OsTi-Lok, Ø 1.5 mm
AOSDX-050	Quick Connect Screwdriver, MINI
SDX-050	Square Driver, MINI
SDXShaft	Square Driver Shaft, MINI
DGX-050	Drill Guide, MINI
DGLX-050	Drill Guide Locking, MINI

Code	Product Name
SGM-050	Screw Gauge, MINI
AGNX-050	Angled Grip Nut, MINI
GNX-050	Grip Nut, MINI
GNH-050	Grip Nut Handle, MINI
SBX-050	In-Plane Bender Handle, MINI
MPX-050	Multipurpose Case Handle
SSHEX-332	Stainless Steel Hex Key, 3/32 in
DISTRACTOR-TTA	Distractor, 16 cm
OSTEOGUIDE-TTA	Osteotomy Guide
IMPACTOR-AD	Impactor
TTA TRAY-150	TTA Plates, Wedges & Instruments Tray



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