

Le Forte System

Compact • Optimized • Practical



JEIL MEDICAL CORPORATION

CE
0120



Head Office



www.jeilmed.co.kr

#702 Kolon Science Valley 2nd, 55,
Digital-ro 34(Previously 811, Guro-dong),
Guro-gu, Seoul, 152-728, Korea

Tel 82.2.850.3504

Fax 82.2.850.3537

Le Forte System

It is Different

Complete and customized system for your practice.

Easy pick up of the screw from the block.

Cruciform screw head makes it easy to handle.

Other Information Warning

Le Forte System has been developed for craniofacial, maxillofacial and mandibular, osteotomy, fracture, and mandibular reconstruction surgery.

Surgeon should have specific training, experience and familiarity with the use of rigid fixation products and techniques.

Multiple bending may weaken the plate and result in implant fracture and failure. Using the plate and screw, excessive abnormal functional stresses are prohibited. And Surgeon's reasonable judgement is needed for choosing plate and screw used in area of high functional stresses.

Using together with other appliances of dissimilar metals is prohibited.

Le Forte System is packed without sterilization procedures. Prior to use, this device should be sterilized. For the details, please refer to the "IFU"

※ Specifications and information for this product may be changed without prior notice for improvement. Also colors of actual product in the photo may be somewhat different from the colors printed.

Le Forte Symbolizes the Strong

What the system includes

Visible disk to confirm screw length and diameter

Plate block for Micro, Mid, Mini, Maxi plates

Screw-Lock driver, drill bits & driver shaft

Instruments

Contents

• 04	
• 06	How to Use Selecting Plate Configuration Plate Handling Drilling Pilot Hole Plate Fixation
• 08	Bone Screws Auto Screws Micro Screws Mid Screws Mini Screws Maxi Screws
• 10	Bone Plates Micro Plates Mid Plates Mini Plates Maxi Plates
• 28	Instruments
• 32	Specification of Drill Bit & Shaft
• 34	Driver Shaft
• 36	Kit Leforte Kit
• 38	Lingual Splitter Retractor & Channel Retractor



Le Forte^{System}

The Le Forte System offers the operating surgeon unique features and user friendly capabilities.

- Time savings through variety of plates, screws & instruments
- Safety & convenience due to stable & wireless fixation
- Easy selection of plates by colors

The Material

The most ideal implant material “Titanium”

- Excellent biocompatibility
- Nontoxic in the biological environment
- Static free X-ray, CT and MRI
- Remarkable Corrosion-resistance
- High strength but easily formed to match bone contours

The Features

Four sections of Micro, Mid, Mini, Maxi

Le Forte system has four sections of Micro, Mid, Mini, Maxi to meet the various needs of different situations (Oral, Plastic, Craniofacial, Neuro, Trauma, Reconstruction)

One kit for multiple uses

For convenient use, one Le Forte system kit includes the four sections. (As a compact system, it can be used for a large range of rigid fixations, such as delicate cranial bone in infants, adult cranial bone, the thin bones of the midface, and the highly-stressed thick bone of the mandible)

Screw taperlock fit with screwdrivers

Easy pick-up & placement with the special design of head.

The Range of Le Forte System

Micro/Mid System

- Craniofacial surgery / Neuro surgery / ENT
- Selected orthognathic procedures
- Nasal, Orbital & Zygoma region

Mini System

- Orthognathic surgery of midface & mandible
- Oral & maxillofacial trauma
- Reconstruction of the chin
- Maxillary & mandibular osteotomies

Maxi System

- Trauma & fractures in the mandible
- Reconstruction of the mandible

Specification of Le Forte System

	Plate		Screw	
	Thickness(mm)	Outer Diameter	Length	
Micro System	0.5	1.2	2.0 ~ 12.0	
		1.5	3.0 ~ 10.0	
Mid System	0.6	1.6	4.0 ~ 10.0	
		1.9	4.0 / 6.0	
Mini System	0.6 / 0.8 / 1.0 (Chin Plate is available)	2.0	4.0 ~ 20.0	
		2.3	4.0~8.0	
Maxi System	1.3 / 2.5	2.4	4.0 ~ 20.0	
		2.7	6.0 / 8.0 / 10.0 / 12.0	

How to Use

1. Selecting Plate configuration

The operating surgeon chooses the plate & screw

Micro (1.2 System)

- Generally used in Craniofacial, Neuro & ENT surgery
 - Cranial fracture of the skull
 - Nasal & orbital region
 - Zygoma region
- Used in the maxilla & mandible, especially in infants & small children.

Mid (1.6 System)

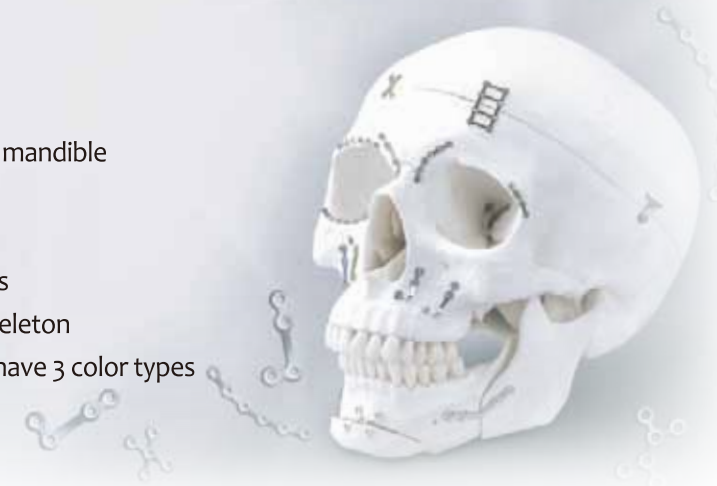
- Neuro surgery
- Pediatric neuro & craniofacial trauma
- Craniofacial reconstruction
- Orthognathic procedures in the mid face

Mini (2.0 System)

- Orthognathic surgery of mid face & mandible
- Oral & maxillofacial trauma
- Reconstruction of the chin
- Maxillary & mandibular osteotomies
- Trauma & fracture of craniofacial skeleton
- For easier identification, the plates have 3 color types
 - Rigid type have a golden surface
 - Malleable type have a blue surface
 - Flexible type have a green surface

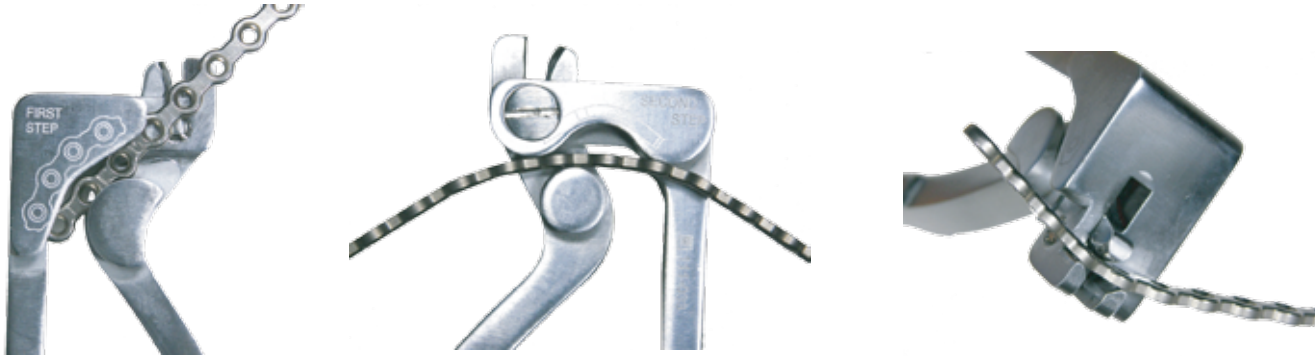
Maxi (2.4 System)

- Trauma, fracture in the mandible
- Reconstruction of the mandible



2. Plate handling & bending

- Every plate in Le Forte System has flat edges that allow the plate to be grasped by the forceps.
- None of the screw holes need to be covered while the plate is being positioned on the bone or while the pilot holes are being drilled.
- Micro, Mid, Mini plates and some of Maxi fracture plates can be bent and contoured by finger pressure or plate bender
- All Micro, Mid, Mini plates can be cut using standard wire or plate cutters.



3. Drilling Pilot Holes

- Drilling a pilot hole reduces the chance of fracturing bone and reduces the level of torque required to drive the screws.
- To reduce the potential for thermal necrosis, all pilot drills should be drilled at minimum RPM.
- Proper pilot drilling technique requires to preventing deflection of drill and creation of an eccentric hole through the bone.

4. Using other instruments

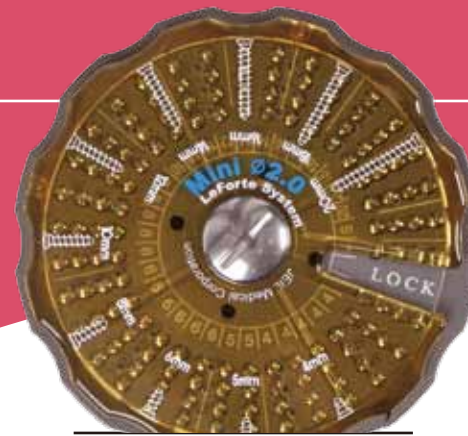
- Use of the Screwdriver
 - The screwdriver shafts are interchangeable.
 - Each shaft features a cruciform tip which friction fits into the screw head.
- Use of Cannula/Trocar System
 - This instrument is used to pass a pilot drill or screw through the cheek.
 - Using a cannula allows screws to be inserted into the regions of the mandible.
- Use of Depth Gauge
 - This instrument is used to measure pilot hole depth of bone
 - There are Micro & Mini/Maxi types.



Bone Screws



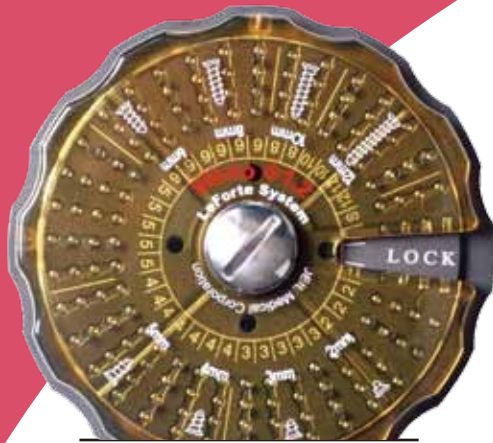
Mid Screw(Φ1.6)
111-012



Mini Screw(Φ2.0)
111-003



Maxi Screw(Φ2.4)
111-004



Micro Screw (Φ1.2)
111-001



Auto Screw
111-011

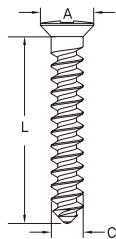
Bone Screws

Leforte system has five screw organizers for Micro, Mid, Mini, Maxi, Auto screws.

They are made of aluminum material providing durability and stability.

Every screw organizer has rotational lid that reduces potential screw loss during transportation.

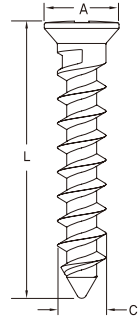
Screw length indication on screw lid enables instant screw length verification.



Micro

Code	Dia. of Head A	Outer Dia. of Thread C	Length L	
12-MC-002	2.0	1.2	2.0	
12-MC-003			3.0	
12-MC-004			4.0	
12-MC-005			5.0	
12-MC-006			6.0	
12-MC-008			8.0	
12-MC-010			10.0	
12-MC-012	12.0			
15-MC-003	2.0	1.5	3.0	
15-MC-004			4.0	
15-MC-005			5.0	
15-MC-006			6.0	
15-MC-008			8.0	
15-MC-010			10.0	

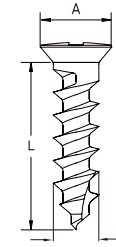
※ Cruciate-Slot, Self-Tapping



Mini

Code	Dia. of Head A	Outer Dia. of Thread C	Length L	
20-MN-004	3.0	1.95	4.0	
20-MN-005			5.0	
20-MN-006			6.0	
20-MN-008			8.0	
20-MN-010			10.0	
20-MN-012			12.0	
20-MN-014			14.0	
20-MN-016			16.0	
20-MN-018			18.0	
20-MN-020			20.0	
23-MN-004	3.0	2.25	4.0	
23-MN-005			5.0	
23-MN-006			6.0	
23-MN-008			8.0	

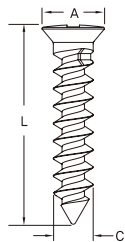
※ Cruciate-Slot, Self-Tapping



Auto

Code	Dia. of Head A	Outer Dia. of Thread C	Length L	
14-AT-003	2.0	1.4	3.0	
14-AT-004			4.0	
14-AT-005			5.0	
14-AT-006			6.0	
14-AT-008			8.0	
16-AT-003	2.5	1.6	3.0	
16-AT-004			4.0	
16-AT-005			5.0	
16-AT-006			6.0	
16-AT-007			7.0	
16-AT-008	8.0			
20-AT-004	3.0	1.95	4.0	
20-AT-005			5.0	
20-AT-006			6.0	
20-AT-008			8.0	

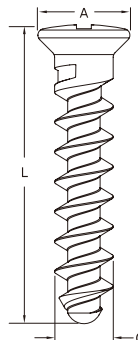
※ Cruciate-Slot, Self-Drilling, Self Tapping



Mid

Code	Dia. of Head A	Outer Dia. of Thread C	Length L
16-MD-004	2.5	1.6	4.0
16-MD-005			5.0
16-MD-006			6.0
16-MD-008			8.0
16-MD-010			10.0
19-MD-004	2.5	1.9	4.0
19-MD-006			6.0

※ Cruciate-Slot, Self-Tapping



Maxi

Code	Dia. of Head A	Outer Dia. of Thread C	Length L	
24-MX-004	3.7	2.35	4.0	
24-MX-006			6.0	
24-MX-008			8.0	
24-MX-010			10.0	
24-MX-012			12.0	
24-MX-014			14.0	
24-MX-016			16.0	
24-MX-018			18.0	
24-MX-020			20.0	
27-MX-006			3.7	2.65
27-MX-008	8.0			
27-MX-010	10.0			
27-MX-012	12.0			

※ Cruciate-Slot, Self-Tapping

Bone Plates

Leforte system has 5 plate organizers for Micro/Mid, Mini, Maxi, RC plates. They are made of aluminum material providing durability and stability. Every plate organizer has lid that reduces potential plate loss during transportation. Plate indication on plate lid enables instant plate verification.

Micro/ Mid Plate
111-005



Mini Plate
111-006



Maxi Plate
111-007



RC Plate
111-013



Micro/Mid Plate 111-005

Contains the following Micro, Mid Plates and also all Micro and Mid Screwdriver Shafts, and Drill Bits.

No.	Code	No.	Code
1	12-CD-012	17	16-CD-010
2	12-CV-001	18	16-CV-006
3	12-DY-006	19	16-DY-006
4	12-HP-006	20	16-IP-004
5	12-LL-004	21	16-LL-204
6	12-LL-104	22	16-LL-304
7	12-LR-004	23	16-LR-204
8	12-LR-104	24	16-LR-304
9	12-QD-008	25	16-ST-004
10	12-SQ-004	26	16-ST-012
11	12-ST-004	27	16-ST-104
12	12-ST-018	28	16-YP-005
13	12-ST-102	29	16-ZL-004
14	12-TP-005	30	16-ZL-104
15	12-XP-005	31	16-ZR-004
16	12-YP-007	32	16-ZR-104

Mini Plate 111-006

Contains the following Mini Plates and also all Mini Screwdriver Shafts, and Drill Bits.

No.	Code	No.	Code
1	20-CD-005	17	20-LL-404-R(20-LL-424)
2	20-CD-007	18	20-LR-104-R
3	20-CD-009	19	20-LR-204-R(20-LR-224)
4	20-CH-004	20	20-LR-304-R(20-LR-324)
5	20-CH-006	21	20-LR-404-R(20-LR-424)
6	20-CH-008	22	20-ST-004-R
7	20-CH-010	23	20-ST-006-R
8	20-CH-012	24	20-ST-010-R(20-ST-020)
9	20-CP-004	25	20-ST-018-R
10	20-CP-005	26	20-ST-104-R(20-ST-124)
11	20-CV-006	27	20-YP-007-R
12	20-DY-026	28	20-ZL-004-R(20-ZL-024)
13	20-IP-004-R(20-IP-024)	29	20-ZL-104-R(20-ZL-124)
14	20-LL-104-R	30	20-ZR-004-R(20-ZR-024)
15	20-LL-204-R(20-LL-224)	31	20-ZR-104-R(20-ZR-124)
16	20-LL-304-R(20-LL-324)		

Maxi Plate 111-007

Contains the following Maxi Plates and also all Maxi Screwdriver Shafts, and Drill Bits.

No.	Code	No.	Code
1	24-AE-004	9	24-SB-007(24-SB-008)
2	24-AE-006	10	24-SE-004
3	24-AE-104	11	24-SE-006(24-ST-006)
4	24-CD-006	12	24-SE-104
5	24-RL-020	13	24-ST-004(24-ST-104)
6	24-RM-025		
7	24-RR-020		
8	24-RS-021		

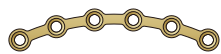
RC Plate 111-013

(Pre-bent Maxillary Plate Organizer)

Contains the following Mid RC Plates.

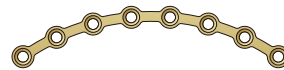
No.	Code	No.	Code
1	16-RCL-000	8	16-RCR-000
2	16-RCL-002	9	16-RCR-002
3	16-RCL-004	10	16-RCR-004
4	16-RCL-006	11	16-RCR-006
5	16-RCL-008	12	16-RCR-008
6	16-RCL-010	13	16-RCR-010
7	16-RCL-012	14	16-RCR-012

12 Micro Plates



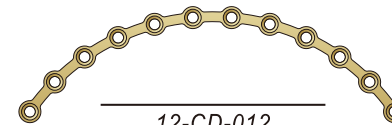
12-CD-006

**Orbital Plate,
6Holes, 0.5t**



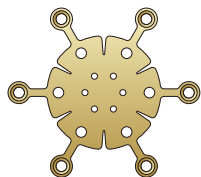
12-CD-008

**Orbital Plate,
8Holes, 0.5t**



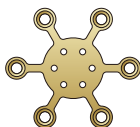
12-CD-012

**Orbital Plate,
12Holes, 0.5t**



12-CV-001

**Burr Hole Plate
Dia 15mm, 0.5t**



12-CV-002

**Burr Hole Plate
Dia 8mm, 0.5t**



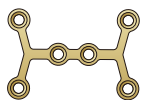
12-CV-003

**Burr Hole Plate
Dia 14mm, 0.5t**



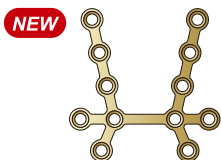
12-CV-004

**Burr Hole Plate
Dia 11mm, 0.5t**



12-HP-006

H Plate, 0.5t



12-HP-012

H Plate, 12Holes, 0.5t



12-DY-106

**Double Y Plate,
Regular, 0.5t**



12-DY-006

**Double Y Plate,
Long, 0.5t**



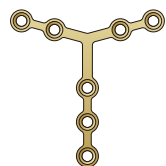
12-XP-005

X Plate, 0.5t



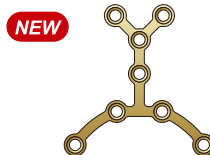
12-YP-005

Y Plate, 5Holes, 0.5t



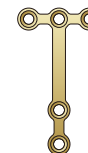
12-YP-007

Y Plate, 7Holes, 0.5t



12-YP-008

Y Plate, 8Holes, 0.5t



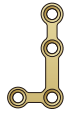
12-TP-005

T Plate, 0.5t



12-TP-010

T Plate, 10Holes, 0.5t



12-LL-004

L Plate, 4Holes, Left, Regular, 0.5t



12-LR-004

L Plate, 4Holes, Right, Regular, 0.5t



12-LL-104

L Plate, 4Holes, Left, Long, 0.5t



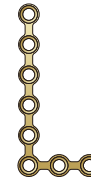
12-LR-104

L Plate, 4Holes, Right, Long, 0.5t



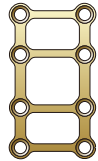
12-LL-008

L Plate, 8Holes, Left, 0.5t



12-LR-008

L Plate, 8Holes, Right, 0.5t



12-QD-008

Matrix Plate, 8Holes, 0.5t



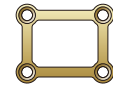
12-QD-108

Matrix Plate, 8Holes, Narrow, 0.5t



12-SQ-004

Square Plate Regular, 0.5t



12-SQ-104

Square Plate Long, 0.5t



12-ST-002

Straight Plate, 2Holes, Regular, 0.5t



12-ST-102

Straight Plate, 2Holes, Long, 0.5t



12-ST-004

Straight Plate, 4Holes, 0.5t



12-ST-005

Straight Plate, 5Holes, 0.5t



12-ST-006

Straight Plate, 6Holes, 0.5t



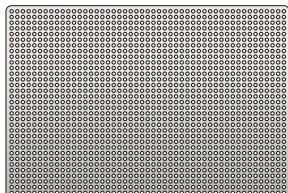
12-ST-008

Straight Plate, 8Holes, 0.5t



12-ST-018

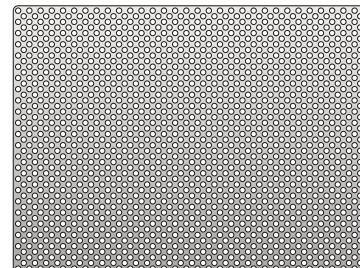
Straight Plate, 18Holes, 0.5t



Mesh Plate

12-GM-001-01	37x25mm, 0.1t
12-GM-001-02	37x25mm, 0.2t
12-GM-002-01	75x51mm, 0.1t
12-GM-002-02	75x51mm, 0.2t

(Pore size=Φ0.8)



(Pore size=Φ1.48~1.88)

Mesh Plate

12-ME-001-01	0.1t	37x24mm
12-ME-001-02	0.2t	
12-ME-001-03	0.3t	
12-ME-002-01	0.1t	49x37mm
12-ME-002-02	0.2t	
12-ME-002-03	0.3t	
12-ME-003-01	0.1t	99x74mm
12-ME-003-02	0.2t	
12-ME-003-03	0.3t	

14 Mid Plates



16-CD-006

**Orbital Plate,
6Holes, 0.6t**



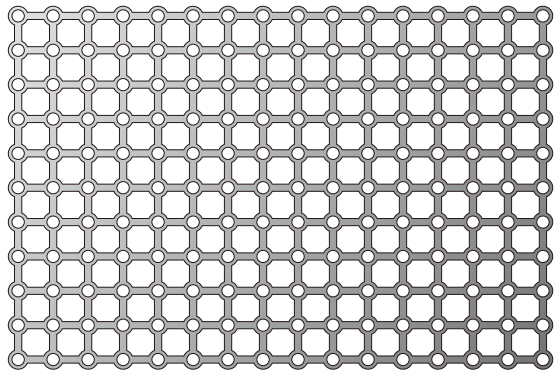
16-CD-008

**Orbital Plate,
8Holes, 0.6t**



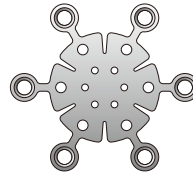
16-CD-010

**Orbital Plate,
10Holes, 0.6t**



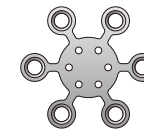
Mesh Plate, 0.6t

16-ME-001	16-ME-002
48x33.6mm	72x48mm



16-CV-006

**Burr Hole Plate,
Dia 15mm, 0.6t**



16-CV-106

**Burr Hole Plate,
Dia 8mm, 0.6t**



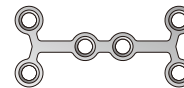
16-DY-006

**Double Y Plate,
Long, 0.6t**



16-DY-106

**Double Y Plate,
Regular, 0.6t**



16-HP-006

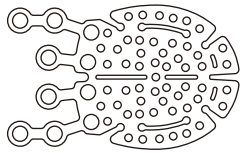
H Plate, 0.6t



16-IP-004

I Plate, 0.6t

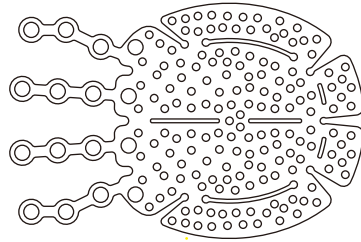
NEW



Orbital Floor Plate, Small

16-OR-V10-02	16-OR-V10-03
0.2t	0.3t
Silver	Blue

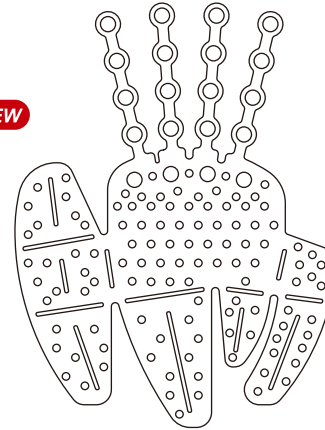
NEW



Orbital Floor Plate

16-OR-V20-02	16-OR-V20-03
0.2t	0.3t
Silver	Blue

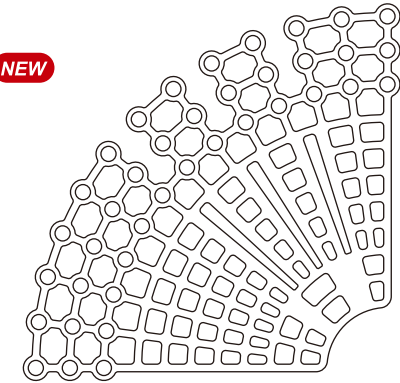
NEW



Orbital Floor Plate

16-OR-C10-02	16-OR-C10-03
0.2t	0.3t
Silver	Blue

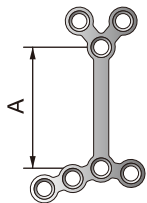
NEW



Orbital Floor Plate

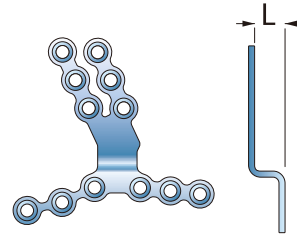
16-OR-F10-02	16-OR-F10-03
0.2t	0.3t
Silver	Blue

NEW



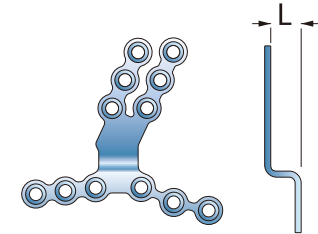
Double L Plate, 1.0t

Model	A
16-DL-003	7mm
16-DL-007	11mm
16-DL-012	16mm



RC Plate, Left, 0.8t

16-RCL-000	0mm advancement
16-RCL-002	2mm advancement
16-RCL-004	4mm advancement
16-RCL-006	6mm advancement
16-RCL-008	8mm advancement
16-RCL-010	10mm advancement
16-RCL-012	12mm advancement



RC Plate, Right, 0.8t

16-RCR-000	0mm advancement
16-RCR-002	2mm advancement
16-RCR-004	4mm advancement
16-RCR-006	6mm advancement
16-RCR-008	8mm advancement
16-RCR-010	10mm advancement
16-RCR-012	12mm advancement

16 Mid Plates



16-LL-004

L Plate, 4Holes, Left,
90°, Regular, 0.6t



16-LR-004

L Plate, 4Holes, Right,
90°, Regular, 0.6t



16-LL-104

L Plate, 4Holes, Left,
90°, Long, 0.6t



16-LR-104

L Plate, 4Holes, Right,
90°, Long, 0.6t



16-LL-204

L Plate, 4Holes, Left,
100°, Regular, 0.6t



16-LR-204

L Plate, 4Holes, Right,
100°, Regular, 0.6t



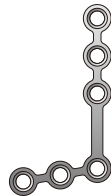
16-LL-304

L Plate, 4Holes, Left,
100°, Long, 0.6t



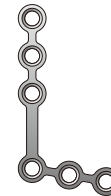
16-LR-304

L Plate, 4Holes, Right,
100°, Long, 0.6t



16-LL-406

L Plate, 6Holes,
Left, 100°, 0.6t



16-LR-406

L Plate, 6Holes,
Right, 100°, 0.6t



16-SQ-004
Square Plate, 0.6t



16-SQ-004-S
Square Plate, 0.6t



16-ST-002
**Straight Plate, 2Holes,
 Regular, 0.6t**



16-ST-102
**Straight Plate, 2Holes,
 Long, 0.6t**



16-ST-004
**Straight Plate, 4Holes,
 Regular, 0.6t**



16-ST-104
**Straight Plate, 4Holes,
 Long, 0.6t**



16-ST-006
Straight Plate, 6Holes, 0.6t



16-ST-010
Straight Plate, 10Holes, 0.6t



16-ST-012
Straight Plate, 12Holes, 0.6t



16-ZL-004
**Z Plate, Left,
 Regular, 0.6t**



16-ZR-004
**Z Plate, Right,
 Regular, 0.6t**



16-ZL-104
**Z Plate, Left,
 Long, 0.6t**

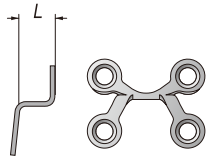


16-ZR-104
**Z Plate, Right,
 Long, 0.6t**



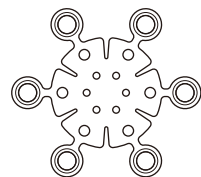
16-YP-005
Y Plate, 0.6t

18 Mini Plates



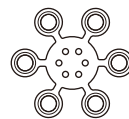
Chin Plate, 0.6t

20-CH-002	2mm advancement
20-CH-004	4mm advancement
20-CH-006	6mm advancement
20-CH-008	8mm advancement
20-CH-010	10mm advancement
20-CH-012	12mm advancement



Burr Hole Plate, Dia 20.8mm

20-CV-006-F	20-CV-026	20-CV-006-R
Flexible	Malleable	Rigid
0.6t	0.8t	1.0t
Green	Blue	Gold



Burr Hole Plate, Dia 14.3mm

20-CV-106-F	20-CV-126	20-CV-106-R
Flexible	Malleable	Rigid
0.6t	0.8t	1.0t
Green	Blue	Gold



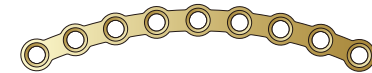
20-CD-005

**Orbital Plate,
5Holes, Wide, 1.0t**



20-CD-007

**Orbital Plate,
7Holes, Wide, 1.0t**



20-CD-009

**Orbital Plate,
9Holes, Wide, 1.0t**



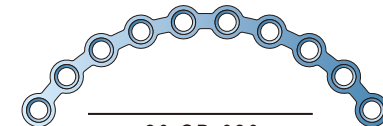
20-CP-004

**Compression Plate,
4Holes, 0.8t**



20-CP-005

**Compression Plate,
5Holes, 0.8t**



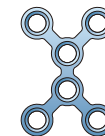
20-CD-020

**Orbital Plate, 10Holes,
Malleable, 0.8t**



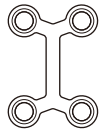
20-DY-026

**Double Y Plate
Long, 0.8t**



20-DY-126

**Double Y Plate
Regular, 0.8t**



I Plate

20-IP-004-F	20-IP-024	20-IP-004-R
<i>Flexible</i>	<i>Malleable</i>	<i>Rigid</i>
0.6t	0.8t	1.0t
Green	Blue	Gold



L Plate, Left, 90°, Regular

20-LL-004-F	20-LL-024	20-LL-004-R
<i>Flexible</i>	<i>Malleable</i>	<i>Rigid</i>
0.6t	0.8t	1.0t
Green	Blue	Gold



L Plate, Right, 90°, Regular

20-LR-004-F	20-LR-024	20-LR-004-R
<i>Flexible</i>	<i>Malleable</i>	<i>Rigid</i>
0.6t	0.8t	1.0t
Green	Blue	Gold



L Plate, Left, 90°, Long

20-LL-104-F	20-LL-124	20-LL-104-R
<i>Flexible</i>	<i>Malleable</i>	<i>Rigid</i>
0.6t	0.8t	1.0t
Green	Blue	Gold



L Plate, Right, 90°, Long

20-LR-104-F	20-LR-124	20-LR-104-R
<i>Flexible</i>	<i>Malleable</i>	<i>Rigid</i>
0.6t	0.8t	1.0t
Green	Blue	Gold



L Plate, Left, 110°, Regular

20-LL-204-F	20-LL-224	20-LL-204-R
<i>Flexible</i>	<i>Malleable</i>	<i>Rigid</i>
0.6t	0.8t	1.0t
Green	Blue	Gold



L Plate, Right, 110°, Regular

20-LR-204-F	20-LR-224	20-LR-204-R
<i>Flexible</i>	<i>Malleable</i>	<i>Rigid</i>
0.6t	0.8t	1.0t
Green	Blue	Gold



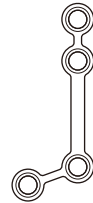
L Plate, Left, 110°, Medium

20-LL-304-F	20-LL-324	20-LL-304-R
<i>Flexible</i>	<i>Malleable</i>	<i>Rigid</i>
0.6t	0.8t	1.0t
Green	Blue	Gold



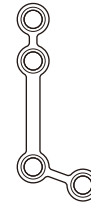
L Plate, Right, 110°, Medium

20-LR-304-F	20-LR-324	20-LR-304-R
<i>Flexible</i>	<i>Malleable</i>	<i>Rigid</i>
0.6t	0.8t	1.0t
Green	Blue	Gold



L Plate, Left, 110°, Long

20-LL-404-F	20-LL-424	20-LL-404-R
<i>Flexible</i>	<i>Malleable</i>	<i>Rigid</i>
0.6t	0.8t	1.0t
Green	Blue	Gold



L Plate, Right, 110°, Long

20-LR-404-F	20-LR-424	20-LR-404-R
<i>Flexible</i>	<i>Malleable</i>	<i>Rigid</i>
0.6t	0.8t	1.0t
Green	Blue	Gold



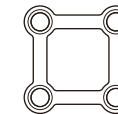
Straight Plate, 4Holes, Medium

20-ST-104-F	20-ST-124	20-ST-104
<i>Flexible</i>	<i>Malleable</i>	<i>Rigid</i>
0.6t	0.8t	1.0t
Green	Blue	Gold



Straight Plate, 4Holes, Regular

20-ST-004-F	20-ST-004-M	20-ST-004
<i>Flexible</i>	<i>Malleable</i>	<i>Rigid</i>
0.6t	0.8t	1.0t
Green	Blue	Gold



Square Plate

20-SQ-004-F	20-SQ-004-R
<i>Flexible</i>	<i>Rigid</i>
0.6t	1.0t
Green	Gold



20-ST-004-R

**Straight Plate, 4Holes
Wide, Rigid, 1.0t**



20-ST-104-R

**Straight Plate, 4Holes,
Medium, Wide, Rigid, 1.0t**



20-ST-114-R

**Straight Plate, 4Holes,
Long, Wide, Rigid, 1.0t**



Straight Plate, 8Holes

20-ST-008-F	20-ST-008-M	20-ST-008
<i>Flexible</i>	<i>Malleable</i>	<i>Rigid</i>
<i>0.6t</i>	<i>0.8t</i>	<i>1.0t</i>
<i>Green</i>	<i>Blue</i>	<i>Gold</i>



Straight Plate, 10Holes

20-ST-010-F	20-ST-020	20-ST-010
<i>Flexible</i>	<i>Malleable</i>	<i>Rigid</i>
<i>0.6t</i>	<i>0.8t</i>	<i>1.0t</i>
<i>Green</i>	<i>Blue</i>	<i>Gold</i>



20-ST-006-R

**Straight Plate, 6Holes,
Wide, Rigid, 1.0t**



20-ST-008-R

**Straight Plate, 8Holes,
Wide, Rigid, 1.0t**



20-ST-010-R

**Straight Plate, 10Holes,
Wide, Rigid, 1.0t**



Straight Plate, 16Holes

20-ST-016-M	20-ST-016
<i>Malleable</i>	<i>Rigid</i>
<i>0.8t</i>	<i>1.0t</i>
<i>Blue</i>	<i>Gold</i>



20-ST-018-M

**Straight Plate,
18Holes**



20-ST-224

**Straight Plate, 4Holes,
Medium, Malleable, 0.8t**



20-ST-016-R

**Straight Plate, 16Holes,
Wide, Rigid, 1.0t**



20-ST-018-R

**Straight Plate, 18Holes,
Wide, Rigid, 1.0t**



20-ST-324

**Straight Plate, 4Holes,
Long, Malleable, 0.8t**



20-ST-005-R10

**Straight Plate, 5Holes,
Rigid, 1.0t**



20-ST-005-R15

**Straight Plate, 5Holes,
Long, Rigid, 1.0t**



20-SB-004

**BSSO Plate, 4Holes,
Regular, Rigid, 1.0t**



20-SB-104

**BSSO Plate, 4Holes,
Medium, Rigid, 1.0t**



20-SB-204

**BSSO Plate, 4Holes,
Long, Rigid, 1.0t**

NEW



20-CN-004

Condyle, 4Holes, 1.0t

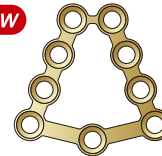
NEW



20-CN-004-S

**Condyle, 4Holes,
Short, 1.0t**

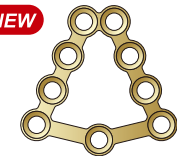
NEW



20-CN-009

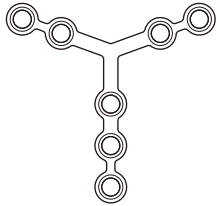
Condyle, 9Holes, 1.0t

NEW



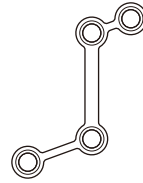
20-CN-009-S

**Condyle, 9Holes,
Short, 1.0t**



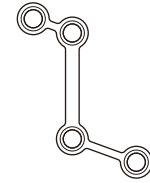
Y Plate, 7Holes

20-YP-007-F	20-YP-027	20-YP-007-R
<i>Flexible</i>	<i>Malleable</i>	<i>Rigid</i>
0.6t	0.8t	1.0t
Green	Blue	Gold



Z Plate, Long, Left

20-ZL-104-F	20-ZL-124	20-ZL-104-R
<i>Flexible</i>	<i>Malleable</i>	<i>Rigid</i>
0.6t	0.8t	1.0t
Green	Blue	Gold



Z Plate, Right, Long

20-ZR-104-F	20-ZR-124	20-ZR-104-R
<i>Flexible</i>	<i>Malleable</i>	<i>Rigid</i>
0.6t	0.8t	1.0t
Green	Blue	Gold



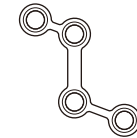
X Plate, 4Holes

20-XP-004-F	20-XP-004-R
<i>Flexible</i>	<i>Rigid</i>
0.6t	1.0t
Green	Gold



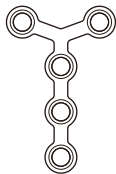
Z Plate, Left

20-ZL-004-F	20-ZL-024	20-ZL-004-R
<i>Flexible</i>	<i>Malleable</i>	<i>Rigid</i>
0.6t	0.8t	1.0t
Green	Blue	Gold



Z Plate, Right

20-ZR-004-F	20-ZR-024	20-ZR-004-R
<i>Flexible</i>	<i>Malleable</i>	<i>Rigid</i>
0.6t	0.8t	1.0t
Green	Blue	Gold



T Plate, 5Holes

20-TP-005-F	20-TP-005-M	20-TP-005-R
<i>Flexible</i>	<i>Malleable</i>	<i>Rigid</i>
0.6t	0.8t	1.0t
Green	Blue	Gold



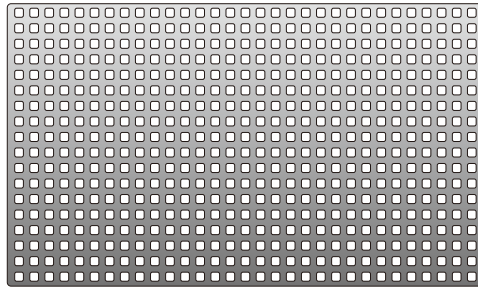
Straight Plate, 6Holes

20-ST-006-F	20-ST-006-M	20-ST-006
<i>Flexible</i>	<i>Malleable</i>	<i>Rigid</i>
0.6t	0.8t	1.0t
Green	Blue	Gold



Straight Plate, 6Holes

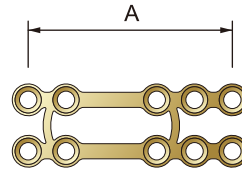
20-ST-006-F	20-ST-006-M	20-ST-006
<i>Flexible</i>	<i>Malleable</i>	<i>Rigid</i>
0.6t	0.8t	1.0t
Green	Blue	Gold



Mesh Plate, 0.5t

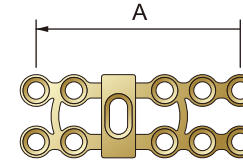
20-ME-001	20-ME-002	20-ME-018
125x5mm	125x9mm	125x70mm

NEW



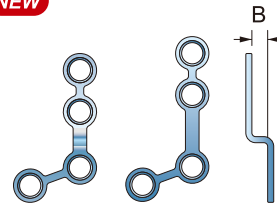
BSSO Plate 0.8t	A(length)
20-DR-003	22mm
20-DR-008	27mm
20-DR-013	32mm
20-DR-018	37mm

NEW



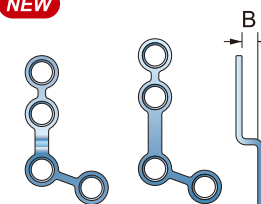
BSSO Plate 0.8t	A(length)
20-SS-008	27mm
20-SS-013	32mm
20-SS-018	37mm

NEW



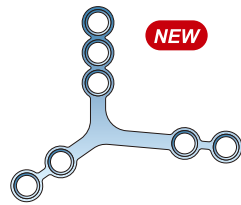
Prebent L Plate	B(size)
20-LL-234B1	1mm
20-LL-234B2	2mm
20-LL-234B3	3mm
20-LL-234B4	4mm
20-LL-234B5	5mm

NEW



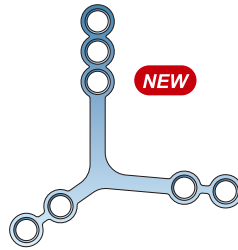
Prebent L Plate	B(size)
20-LR-234B1	1mm
20-LR-234B2	2mm
20-LR-234B3	3mm
20-LR-234B4	4mm
20-LR-234B5	5mm

MG Plates



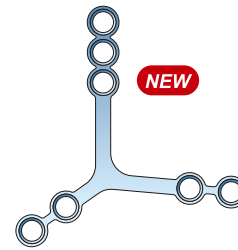
20-MG-005

MG Plate, 7Holes



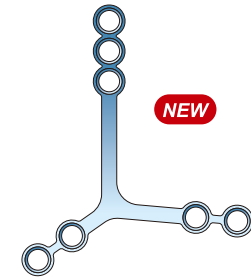
20-MG-007

MG Plate, 7Holes



20-MG-010

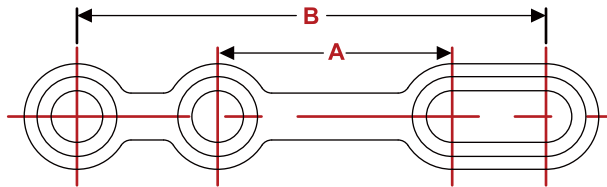
MG Plate, 7Holes



20-MG-015

MG Plate, 7Holes

AJ Plates



Code	20-AJ-004	20-AJ-006	20-AJ-008	20-AJ-010
A	10.0	12.0	14.0	16.0
B	20.0	22.0	24.0	26.0





24-CD-006

**Curved EDC Plate,
6Holes, 1.3t**



24-AE-004

**Angled EDC Plate,
4Holes, 1.3t**



24-AE-104

**Angled EDC Plate,
4Holes, Long, 1.3t**



24-AE-006

**Angled EDC Plate,
6Holes, 1.3t**



24-ST-004

**Semi Compression Plate,
4Holes, 1.3t**



24-SE-004

**EDC Straight Plate,
4Holes, 1.3t**



24-SE-104

**EDC Straight Plate,
4Holes, Long, 1.3t**



24-SE-006

**EDC Straight Plate,
6Holes, 1.3t**



24-ST-006

**Straight Plate,
6Holes, 1.3t**



24-ST-104

**Straight Plate,
4Holes, 1.3t**



24-SB-007

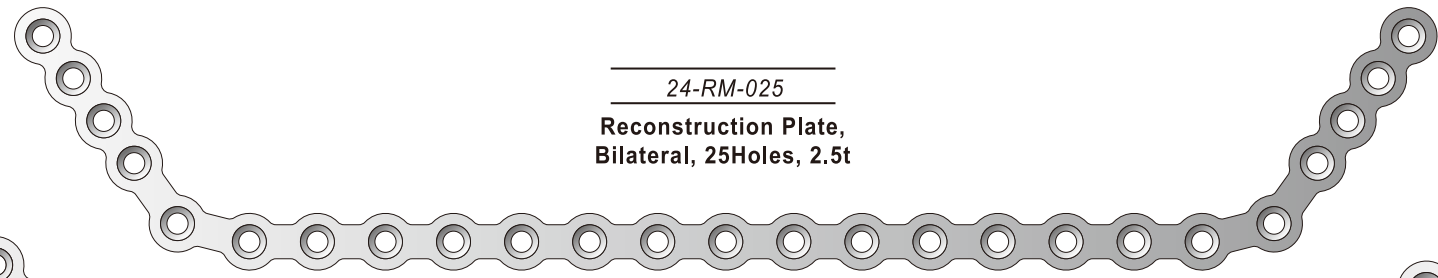
**TR BSSO Plate,
4Holes, Regular, 1.0t**



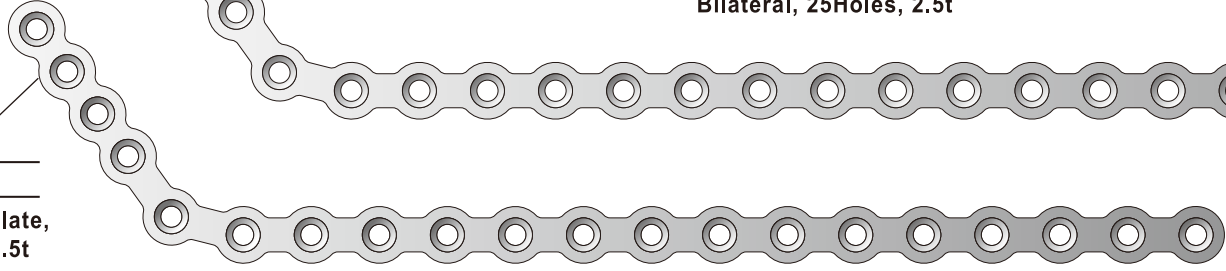
24-SB-008

**TR BSSO Plate,
4Holes, Medium, 1.0t**

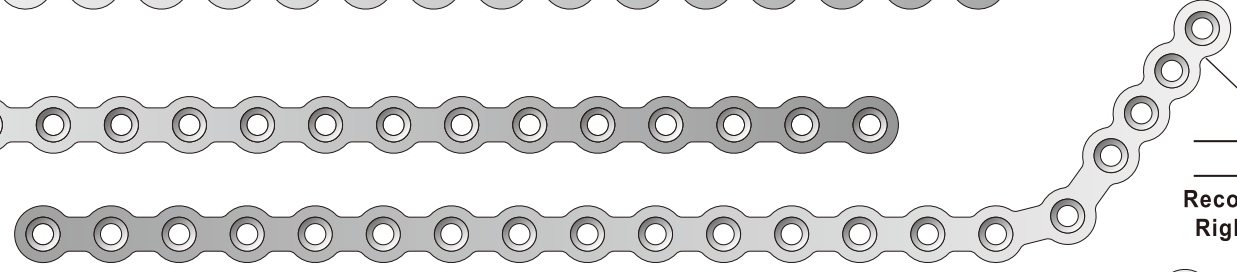
24-RM-025
**Reconstruction Plate,
Bilateral, 25Holes, 2.5t**



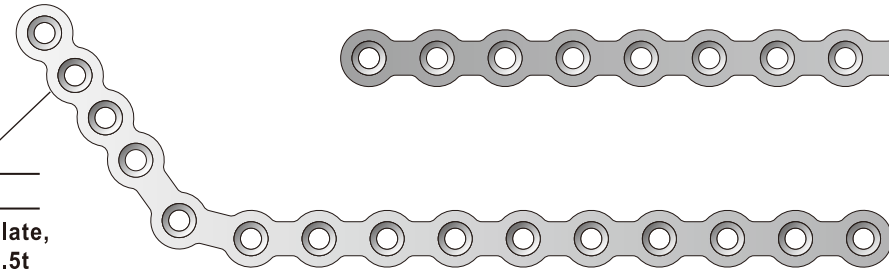
24-RL-020
**Reconstruction Plate,
Left, 20Holes, 2.5t**



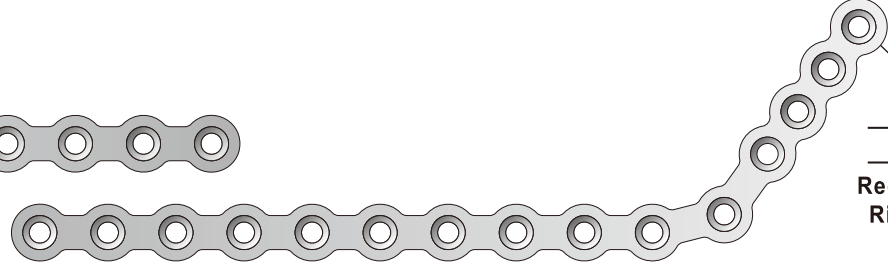
24-RR-020
**Reconstruction Plate,
Right, 20Holes, 2.5t**



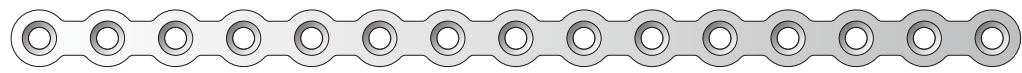
24-AL-015
**Reconstruction Plate,
Left, 15Holes, 2.5t**



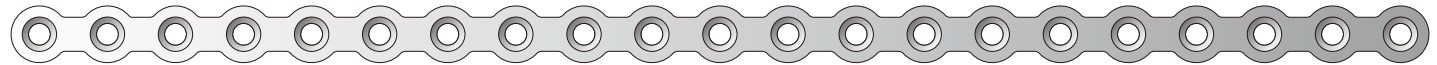
24-AR-015
**Reconstruction Plate,
Right, 15Holes, 2.5t**



24-RS-015
**Reconstruction Straight Plate,
15Holes, 2.5t**



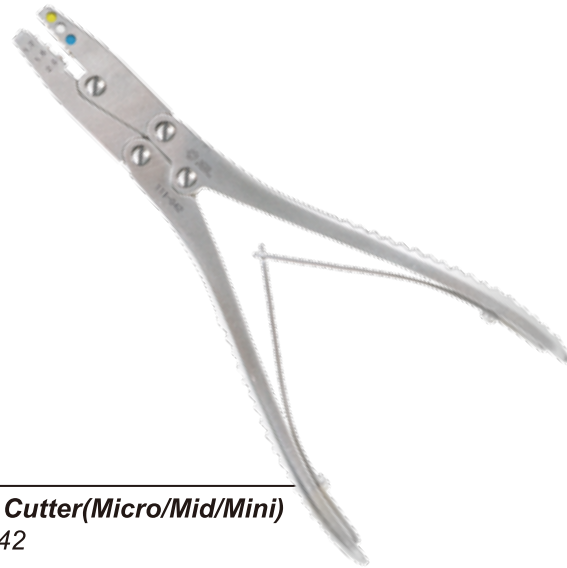
24-RS-021
**Reconstruction Straight Plate,
21Holes, 2.5t**



24-RS-025
**Reconstruction Straight Plate,
25Holes, 2.5t**



Instrument



NEW
Plate Cutter(Micro/Mid/Mini)
111-042



Screw Lock Screwdriver Body
111-010

The screwdriver has four size of shaft :

Micro, Mid, Mini and Maxi. Each shaft features a cruciform tip which friction fit into either the Micro, Mid, Mini and Maxi screw heads. This friction fit creates a taper-lock effect in which the screws will stick to the driver shaft and will be retained until driven into bone.



Plate Bender
111-039



Micro/Mid/Mini Plate Bender
DP-96(111-024)



3-Prong Mini Plate Bender
111-023



Depth Gauge(Micro, Mid)
111-027



Depth Gauge(Mini, Maxi)
111-028



Maxi Reconstruction Bender
111-033



- ① **Cannula** 111-026-1
- ② **Cannula Drill Guide** 111-026-2
- ③ **Cannula Trocar** 111-026-3
- ④ **Cheek Retractor** 111-026-4
- ⑤ **Cannula Drill Guide** 111-026-5



Maxi Plate Cutter
111-034



Mesh Cutter
111-036



Micro Plate Cutter
DP-91(111-020)



Mini Plate Cutter
LX-103(111-021)



**Plate Holding Forceps
(Micro/Mid) 111-037**



**Plate Holding Forceps
(Mini) 111-038**



**Small Grasping Forceps
BD-05(111-029)**



**Plate Holding Forceps
(Micro/Mid) 111-031**



**Plate Holding Forceps
(Mini/Maxi) 111-032**

Specification of Drill Bit & Shaft

Drill Bits are divided into 4 types according to the diameter of drill blade.

There are Micro, Mid, Mini, and Maxi blades. The color-coded band on the shaft identifies the specific system as below.

Yellow – Micro

White – Mid

Blue – Mini

Green – Maxi

Drill Bits also can be divided into 3 types according to connection method with Hand-piece.

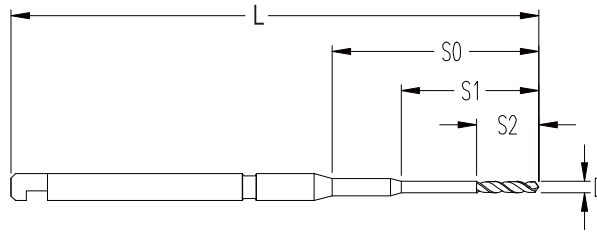
There are Dental Latch, J-Latch, and Straight types of connection method.

Drill bit is used to drill pilot hole on the bone prior to screw insertion.

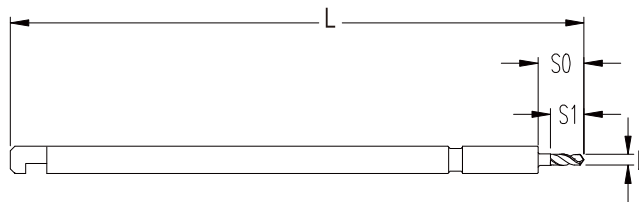
The diameter of pilot hole is required to be equal or larger than minor diameter of screw and less than major diameter of screw.

The following table shows comparison of pilot hole diameter (diameter of drill bit blade) and minor and major diameters of Leforte screws.

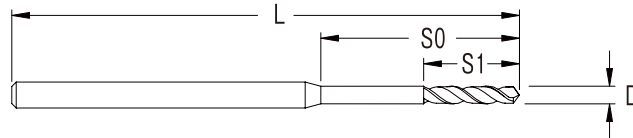
Drill Bit for Surgical



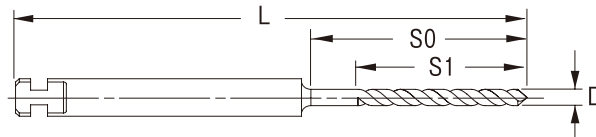
Stop Drill Bit for Surgical



Straight Drill Bit for Surgical



Drill Bit for Angle (Hand - piece)



(mm)

Code	L	S0	S1	S2	D
112-MC-302	46.0	18.0	12.0	5.0	1.00
122-MC-301	71.4	28.0	12.0	5.0	1.00
112-MD-301	46.0	14.0	14.0	6.0	1.30
112-MD-302	71.4	14.0	14.0	6.0	1.30
112-MN-301	54.8	12.0	12.0	5.0	1.60
112-MN-302	60.0	22.0	22.0	15.0	1.60
112-MN-303	105.0	22.0	22.0	15.0	1.60
112-MN-306	50.9	6.0	6.0	4.5	1.60
112-MX-301	64.0	24.0	24.0	12.0	2.00
112-MX-302	105.0	30.0	30.0	12.0	2.00

(mm)

Code	L	S0	S1	D
112-MC-STOP	50.0	4.0	3.0	1.00
112-MD-STOP	50.0	4.0	3.0	1.30
112-MN-STOP	50.0	4.0	3.0	1.60

(mm)

Code	L	S0	S1	D
112-MU-301	54.8	12.0	5.0	1.60
112-MU-302	67.0	22.0	15.0	1.60

(mm)

Code	L	S0	S1	D
112-MC-201	28.0	8.0	5.0	1.0
112-MC-202	32.0	12.0	5.0	1.0
112-MD-201	30.0	10.0	5.0	1.3
112-MN-201	28.0	8.0	5.0	1.6
112-MN-202	32.0	12.0	5.0	1.6
112-MX-201	28.0	8.0	5.0	2.0
112-MX-202	32.0	12.0	5.0	2.0

Item	For Manual Body	For Hand-Piece
For Micro Screw	113-MC-101	113-MC-202
For Mid Screw	113-MD-101	113-MD-201
For Mini Screw	113-MN-101	113-MN-201
For Maxi Screw	113-MX-101	-



TaperFit Driver Shaft & Drill Bit

Screwdriver shafts can be divided into 4 types according to the size of blade in the end.

They are Micro, Mid, Mini, Maxi shafts according to the size of blade.

Micro shaft is used for 1.2mm Micro screw, 1.4mm Auto screw, and 1.4mm NF screw.

Mid shaft is used for 1.6mm Mid screw, 1.6mm Auto screw, and 1.6mm NF screw.

Mini shaft is used for 2.0mm Mini screw, 2.0mm Auto screw. Maxi shaft is used for 2.4mm self-tapping Maxi screw.

The color-coded band on the shaft identifies the specific system as below.

Yellow – Micro

White – Mid

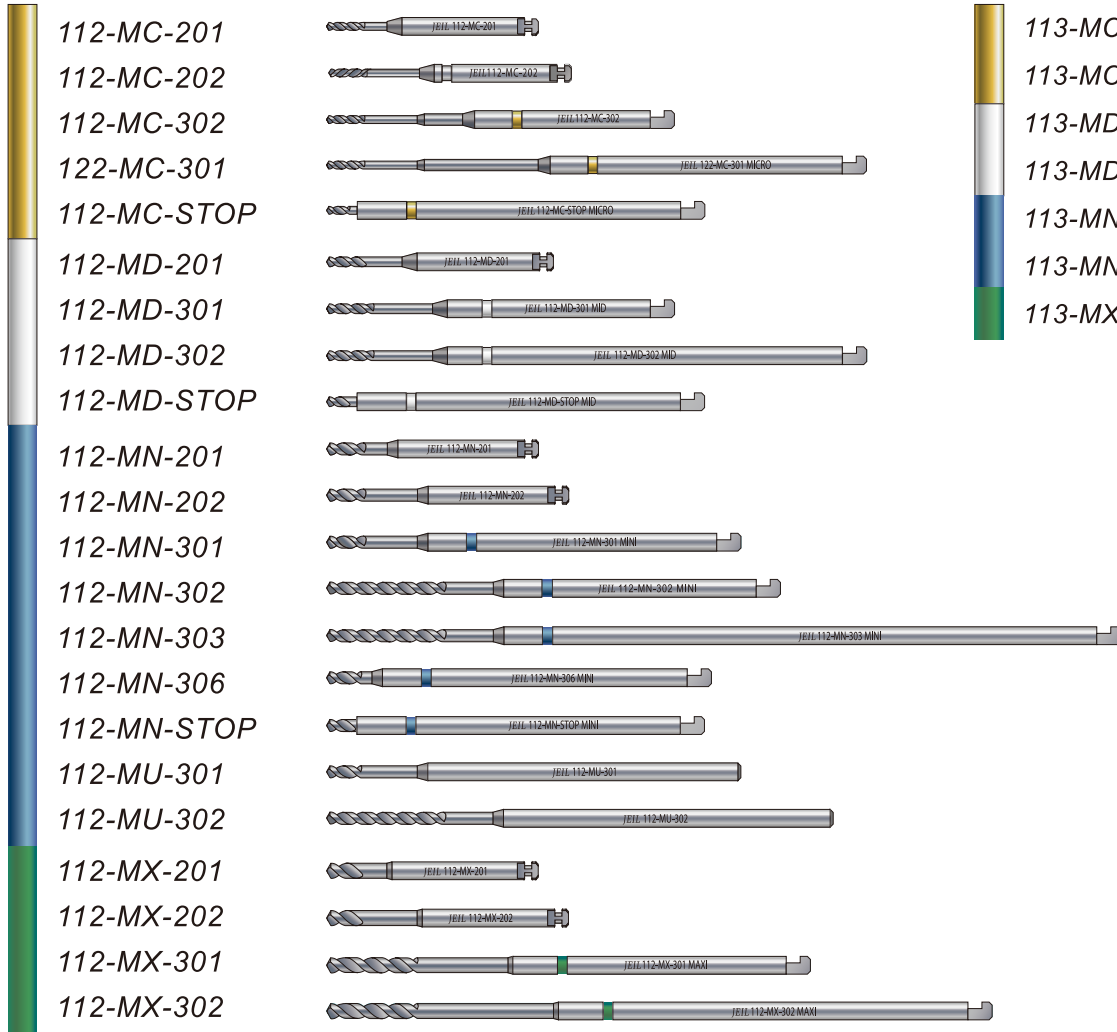
Blue – Mini

Green – Maxi

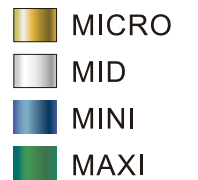
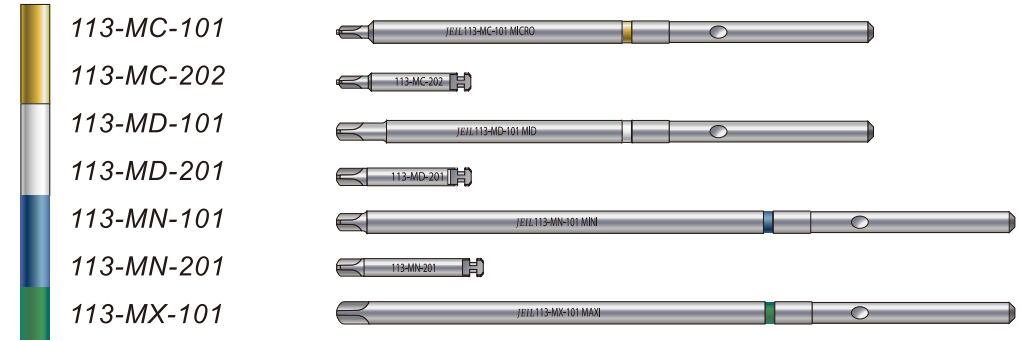
Screwdriver shafts also can be divided into 2 types according to the connection method.

One is the manual type for connection with 111-010 screwdriver body. The other is Dental Latch type for connection with Hand-piece.

Drill



TaperFit Driver Shaft



Le Forte Kit

Micro, Mid, Mini and Maxi. Each shaft features a cruciform tip which friction fit into either the Micro, Mid, Mini and Maxi screw heads. This friction fit creates a taper-lock effect in which the screws will stick to the driver shaft and will be retained until driven into bone.



Autoclave Tray
111-009



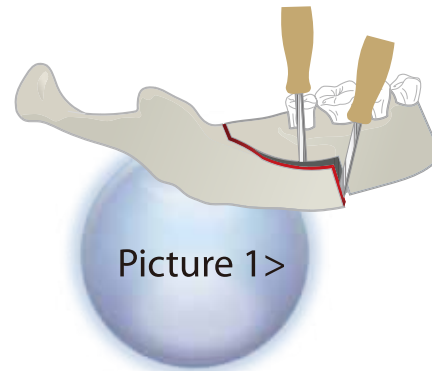
Drill & Driver Organizer
111-008

The screwdriver has four size of shaft :

Part	Code	Description	Part	Code	Description
Organizer & Tray	111-001	Micro Screw Organizer	Drill Bit	112-MC-201	MC Drill Bit Angle(8mm)
	111-012	Mid Screw Organizer		112-MC-202	MC Drill Bit Angle(12mm)
	111-003	Mini Screw Organizer		112-MC-302	MC Short Drill Bit(12mm)
	111-004	Maxi Screw Organizer		112-MC-STOP	Micro Drill(4mm stop)
	111-011	Auto Screw Organizer		122-MC-301	Long MC/DR(6mm)
	111-005	Micro/Mid Plate Organizer		112-MD-201	MD Drill Bit Angle(8mm)
	111-006	Mini Plate Organizer		112-MD-301	MD Short Drill Bit(14mm)
	111-007	Maxi Plate Organizer		112-MD-302	MD Long Drill Bit(14mm)
	111-013	RC Plate Organizer		112-MD-STOP	Mid Drill(4mm stop)
	111-008	Drill & Driver Organizer		112-MN-201	MN Drill Bit Angle(8mm)
111-009	LeForte System Autoclave Tray	112-MN-202	MN Drill Bit Angle(10mm)		
Instrument	111-010	Screw Lock Screwdriver Body	112-MN-301	MN Short Drill Bit(12mm)	
	DP-91(111-020)	Micro Plate Cutter	112-MN-302	MN Short Drill Bit(22mm)	
	LX-103(111-021)	Mini Plate Cutter	112-MN-303	MN Long Drill Bit(22mm)	
	111-023	3-Prong Mini Plate Bender	112-MN-306	MN Short Drill Bit(6mm)	
	DP-96(111-024)	Micro/Mid/Mini Plate Bender	112-MN-STOP	Mini Drill(4mm stop)	
	111-033	Maxi Reconstruction Bender	112-MU-301	MN Drill Bit & Straight(12mm)	
	111-034	Maxi Plate Cutter	112-MU-302	MN Drill Bit & Straight(22mm)	
	111-026-1	Cannula	112-MX-201	Maxi Angle Drill	
	111-026-2	Cannula Drill Guide	112-MX-202	Maxi Angle Drill	
	111-026-3	Cannula Trocar	112-MX-301	MX Short Drill Bit(24mm)	
	111-026-4	Cheek Retractor	112-MX-302	MX Long Drill Bit(47mm)	
	111-026-5	Cannula Drill Guide	Shaft	113-MC-101	Micro Driver Shaft
	111-027	Depth Gauge (Micro/Mid)		113-MC-202	Micro Driver Shaft for Angle
	111-028	Depth Gauge (Mini)		113-MD-101	Mid Driver Shaft
	BD-05(111-029)	Small Grasping Forceps		113-MD-201	Mid Driver Shaft for Angle
	111-031	Plate Holding Forceps (Micro/Mid)		113-MN-101	Mini Driver Shaft
	111-032	Plate Holding Forceps (Mini/Maxi)		113-MN-201	Mini Driver Shaft for Angle
				113-MX-101	Maxi Driver Shaft

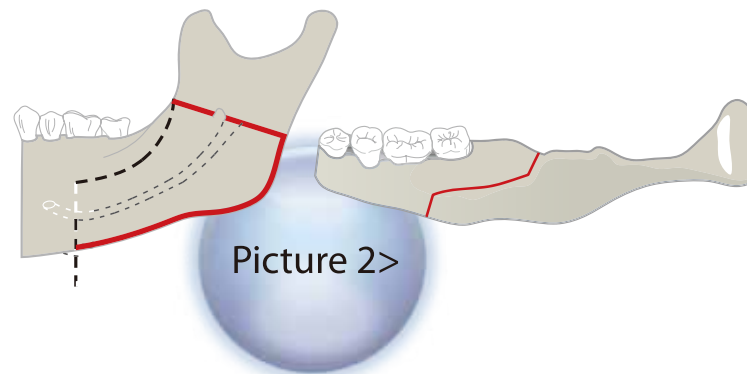
Lingual Splitter

This Lingual Splitter is a surgical instrument for the short lingual split osteotomy (pictures 2). In contrast to bilateral sagittal split ramus osteotomy (pictures 1), this operation makes effective bone splitting easily with fixing the curved bottom of this lingual splitter to the space on the bone cutting site.



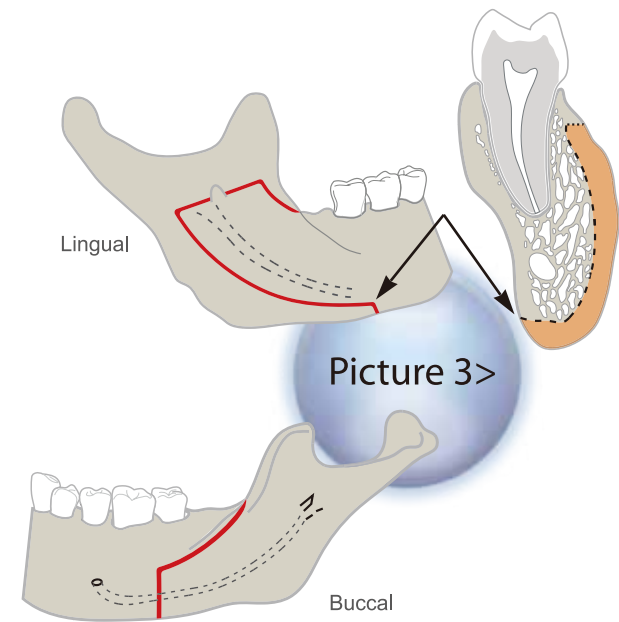
Picture 1 >

Application for Lingual Splitter



Picture 2 >

Bilateral sagittal split ramus osteotomy



Picture 3 >

Short Lingual split osteotomy



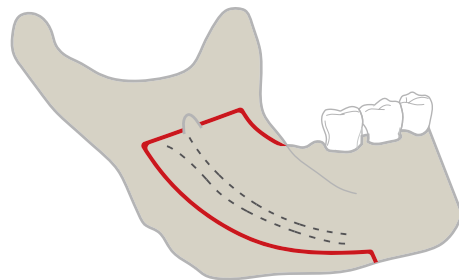
Angle Guide Retractor

This Retractor is a surgical instrument for guiding in angle shaving operation.



Channel Retractor

This Channel Retractor is a surgical instrument for horizontal cutting bone on the mandibular ascending ramus of lingual. This instrument is designed for preventing soft tissue and nerve from possible injury and can come into more view in Orthognatic surgery. Simple S line on the top is more suitable on lingual and oral site through the operation and suitable on posterior border so it can reduce the loss of blood from cutting bone.



Picture 1
The lingual bone cutting site.



Picture 2
Clinical case for Channel Retractor