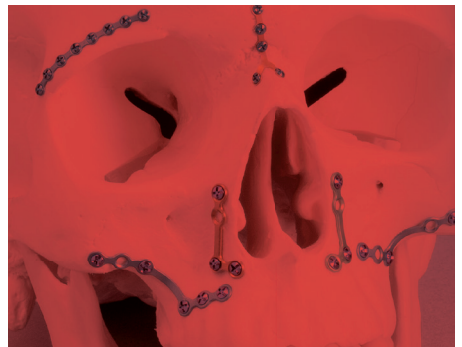


OPTIMUS Maxillofacial

Plating System



OSTEONIC

INTRODUCTION

Various clinical challenges surgeons are facing these days in Neuro Surgeries require solutions that can be only solved with innovative products.

Osteonic proudly meets these high demands, thanks to its cutting-edge development and manufacturing power coming from its key personnel with in-depth knowledge and experiences of more than two decades in products.

- ▶ All screws are compatible and work with plates within each system
- ▶ Self – retaining screws/blades that minimize “coming out”
- ▶ Innovative screw design allows for low insertion torque
- ▶ Color-coding of implants(plate & screw) secures easy identification
- ▶ Rounded edges on plates decrease soft tissue irritation
- ▶ Reversible plates allow for lesser inventory
- ▶ One blade fits for all screws within each individual system
- ▶ Standardized instrumentation secures ease of use

OPTIMUS Maxillofacial Plating System



Optimus Facial

INTENDED USE AND VARIETY OF INDICATION

Optimus Facial System is intended for bone fixation and in the following indications;

- Reconstruction of craniofacial skeleton
- Midface Fracture
- Segmental Maxilla



Facial Screws

- Low insertion torque and high pull-out torque
- Maximized screw-blade retention
- Available in $\phi 1.3$ and $\phi 1.5$
 - 1.3mm dia. (Self-Drilling & Self-Tapping)
 - 1.5mm dia. (Self-Drilling & Self-Tapping)



System \ Color	Gold	Light Blue	Silver	Blue	Green
Facial	$\phi 1.3$ (Self-Drilling) 3,4,5,6,8,10	$\phi 1.3$ (Self-Tapping) 3,4,5,6,8,10,12	$\phi 1.5$ (Self-Drilling) 3,4,5,6,8,10,12	$\phi 1.5$ (Self-Tapping) 3,4,5,6,8,10,12,14	$\phi 1.8$ (Emergency) 4,6,8,10

Description	Order No.	ϕ	Size(mm)	Color
FACIAL SCREW Self-Drilling	F13A03	$\phi 1.3$	3	Gold
FACIAL SCREW Self-Drilling	F13A04	$\phi 1.3$	4	Gold
FACIAL SCREW Self-Drilling	F13A05	$\phi 1.3$	5	Gold
FACIAL SCREW Self-Drilling	F13A06	$\phi 1.3$	6	Gold
FACIAL SCREW Self-Drilling	F13A08	$\phi 1.3$	8	Gold
FACIAL SCREW Self-Drilling	F13A10	$\phi 1.3$	10	Gold
FACIAL SCREW Self-Tapping	F13003	$\phi 1.3$	3	Light Blue
FACIAL SCREW Self-Tapping	F13004	$\phi 1.3$	4	Light Blue
FACIAL SCREW Self-Tapping	F13005	$\phi 1.3$	5	Light Blue
FACIAL SCREW Self-Tapping	F13006	$\phi 1.3$	6	Light Blue
FACIAL SCREW Self-Tapping	F13008	$\phi 1.3$	8	Light Blue
FACIAL SCREW Self-Tapping	F13010	$\phi 1.3$	10	Light Blue
FACIAL SCREW Self-Tapping	F13012	$\phi 1.3$	12	Light Blue

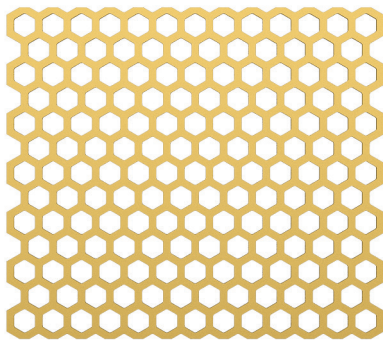
Description	Order No.	ϕ	Size(mm)	Color
FACIAL SCREW Self-Drilling	F15A03	$\phi 1.5$	3	Silver
FACIAL SCREW Self-Drilling	F15A04	$\phi 1.5$	4	Silver
FACIAL SCREW Self-Drilling	F15A05	$\phi 1.5$	5	Silver
FACIAL SCREW Self-Drilling	F15A06	$\phi 1.5$	6	Silver
FACIAL SCREW Self-Drilling	F15A08	$\phi 1.5$	8	Silver
FACIAL SCREW Self-Drilling	F15A10	$\phi 1.5$	10	Silver
FACIAL SCREW Self-Drilling	F15A12	$\phi 1.5$	12	Silver
FACIAL SCREW Self-Tapping	F15003	$\phi 1.5$	3	Blue
FACIAL SCREW Self-Tapping	F15004	$\phi 1.5$	4	Blue
FACIAL SCREW Self-Tapping	F15005	$\phi 1.5$	5	Blue
FACIAL SCREW Self-Tapping	F15006	$\phi 1.5$	6	Blue
FACIAL SCREW Self-Tapping	F15008	$\phi 1.5$	8	Blue
FACIAL SCREW Self-Tapping	F15010	$\phi 1.5$	10	Blue
FACIAL SCREW Self-Tapping	F15012	$\phi 1.5$	12	Blue
FACIAL SCREW Self-Tapping	F15014	$\phi 1.5$	14	Blue
FACIAL SCREW Emergency	F18004	$\phi 1.8$	4	Green
FACIAL SCREW Emergency	F18006	$\phi 1.8$	6	Green
FACIAL SCREW Emergency	F18008	$\phi 1.8$	8	Green
FACIAL SCREW Emergency	F18010	$\phi 1.8$	10	Green

PLATES

- ▶ Compatible with Ø1.3mm and Ø1.5mm Screws
- ▶ For the most appropriate selection, a wide variety of plates are readily available.
- ▶ Color coding by thickness helps easy identification

System \ Color	Green(Mini)	Gold(Mid)
Facial	Thickness : 0.5mm Φ1.5/1.8 Screw	Thickness : 0.7mm Φ1.5/1.8/2.0 Screw

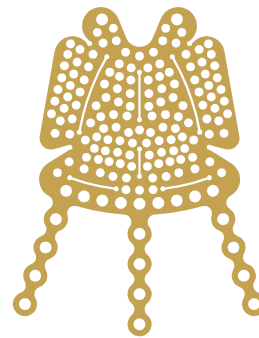
Hexagonal Mesh Compatible with Φ1.5 screws.



(unit: mm)

50 x 49
FRM102A01(0.2t) **G 1**
FRM202A01(0.2t) **G 2**

Orbital Floor Mesh Compatible with Φ1.3/1.5 screws.



(unit: mm)

43.5 x 33.5
FZM102A01(0.2t)
FZM103A01(0.3t)
FZM104A01(0.4t)

Mini(0.5t) Compatible with Φ1.5/1.8 screws.

Grade 3



17 FST305M04A



19.5 FST305I04A



20.5 FST305L04A



35 FST305M08A



53 FST305M12A



89 FST305M20A



10 x 20.5 FYP305M05A



10 x 20 FDY305L06A



12 x 12 FXP305M05A



FQD305M06A
10 x 16.5



FQD305L06A
11.5 x 19.5



8.5 x 13.5 FSQ305M04A



13.5 x 13.5 FSQ305L04A



25.5 x 6 FOR305M06A



33.5 x 7.5 FOR305M08A



47.5 x 13 FOR305M12A



FQD305M08A
6.5 x 17.5



FQD305L08A
11.5 x 37.5

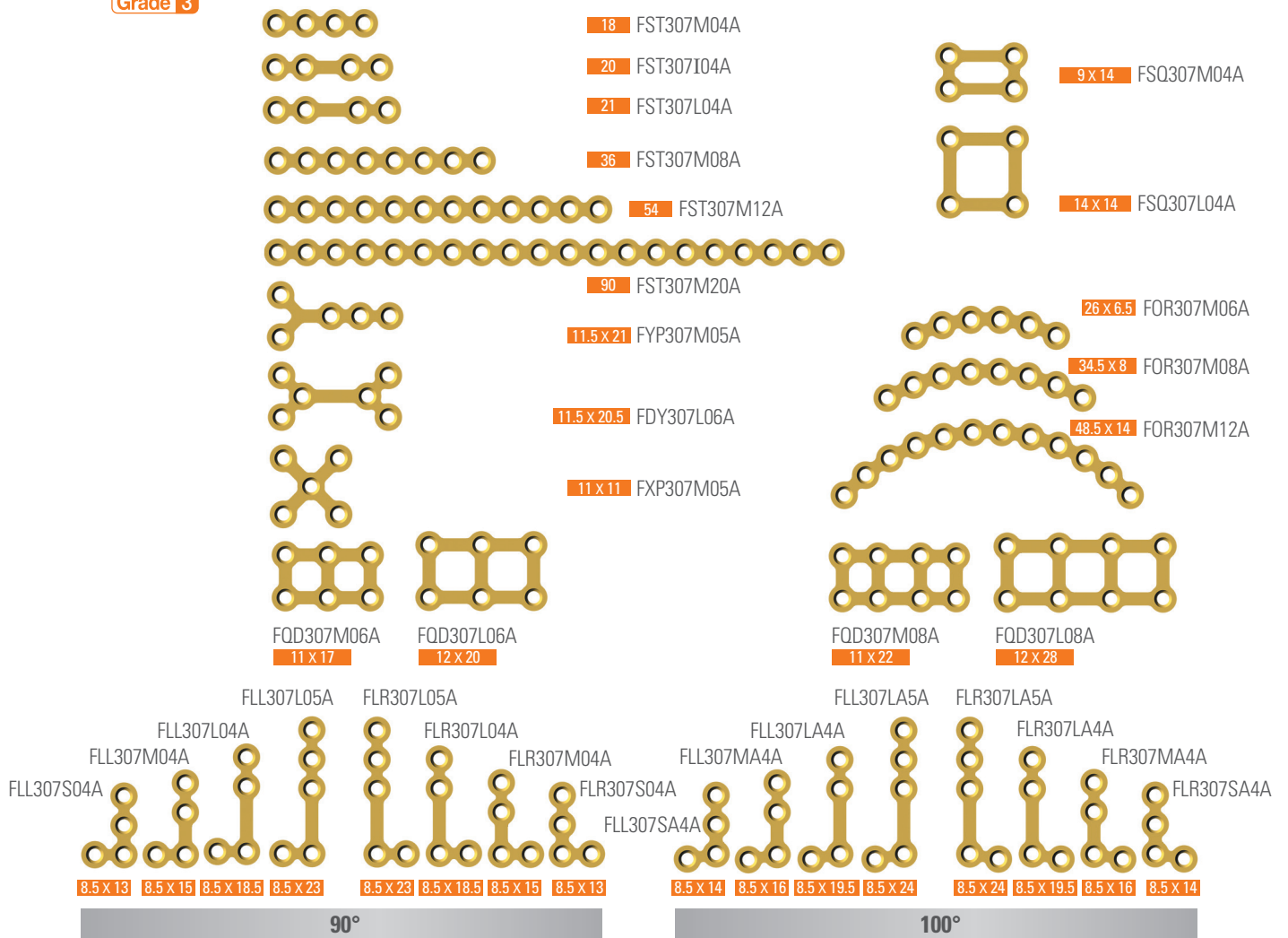
<p>FLL305S04A 8 x 12.5</p>				<p>FLL305M04A 8 x 14.5</p>				<p>FLL305L04A 8 x 18</p>				<p>FLL305LA5A 8 x 22.5</p>							
<p>FLR305L05A 8 x 22.5</p>				<p>FLR305L04A 8 x 18</p>				<p>FLR305M04A 8 x 14.5</p>				<p>FLR305S04A 8 x 12.5</p>							
<p>FLL305SA4A 8 x 13.5</p>				<p>FLL305MA4A 8 x 15.5</p>				<p>FLL305LA4A 8 x 19</p>				<p>FLL305LA5A 8 x 23.5</p>							
<p>FLR305LA5A 8 x 23.5</p>				<p>FLR305LA4A 8 x 19</p>				<p>FLR305MA4A 8 x 15.5</p>				<p>FLR305SA4A 8 x 13.5</p>							
90°										100°									

Mid(0.7t)

Compatible with $\Phi 1.5/1.8/2.0$ screws.

(unit: mm)

Grade 3

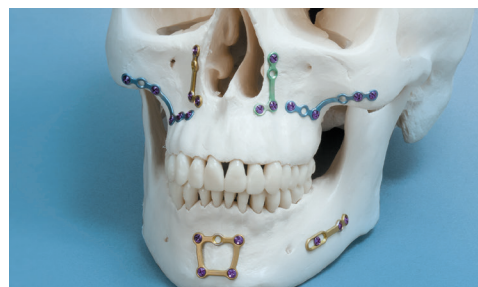


Optimus Orthognathic

INTENDED USE AND VARIETY OF INDICATION

Optimus Orthognathic System is intended for bone fixation and in the following indications;

- Maxillofacial surgery
- Orthognathic surgery of craniofacial skeleton
- Reconstruction of mandibles and chins

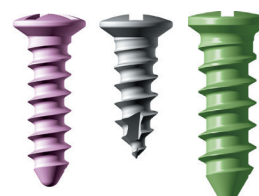


Orthognathic Screws

- Self-drilling & Self-tapping screws are available
- One standard screw diameter
 - 1.95 mm dia. (Self Drilling & Self-Tapping)
 - 2.3 mm dia. (Emergency screws)
- Maximized screw-blade retention (Reduced screwdriver blade came-out)

System \ Color	Silver	Pink	Green
Orthognathic	1.95(Ortho, Self-Drilling) 3,4,5,6,8,10,12	1.95(Ortho, Self-Tapping) 3,4,5,6,8,10,12,14,16,18,20	2.3(Ortho, Emer) 6,8,10,12,14,16

Description	Order No.	Φ	Size(mm)	Color
ORTHOGNATHIC SCREW Self Drilling	O19A03	Φ 1.95	3	Grey
ORTHOGNATHIC SCREW Self Drilling	O19A04	Φ 1.95	4	Grey
ORTHOGNATHIC SCREW Self Drilling	O19A05	Φ 1.95	5	Grey
ORTHOGNATHIC SCREW Self Drilling	O19A06	Φ 1.95	6	Grey
ORTHOGNATHIC SCREW Self Drilling	O19A08	Φ 1.95	8	Grey
ORTHOGNATHIC SCREW Self Drilling	O19A10	Φ 1.95	10	Grey
ORTHOGNATHIC SCREW Self Drilling	O19A12	Φ 1.95	12	Grey
ORTHOGNATHIC SCREW Self-Tapping	O19003	Φ 1.95	3	Pink
ORTHOGNATHIC SCREW Self-Tapping	O19004	Φ 1.95	4	Pink
ORTHOGNATHIC SCREW Self-Tapping	O19005	Φ 1.95	5	Pink
ORTHOGNATHIC SCREW Self-Tapping	O19006	Φ 1.95	6	Pink
ORTHOGNATHIC SCREW Self-Tapping	O19008	Φ 1.95	8	Pink
ORTHOGNATHIC SCREW Self-Tapping	O19010	Φ 1.95	10	Pink
ORTHOGNATHIC SCREW Self-Tapping	O19012	Φ 1.95	12	Pink
ORTHOGNATHIC SCREW Self-Tapping	O19014	Φ 1.95	14	Pink
ORTHOGNATHIC SCREW Self-Tapping	O19016	Φ 1.95	16	Pink
ORTHOGNATHIC SCREW Self-Tapping	O19018	Φ 1.95	18	Pink
ORTHOGNATHIC SCREW Self-Tapping	O19020	Φ 1.95	20	Pink
ORTHOGNATHIC Emergency	O23006	Φ 2.3	6	Green
ORTHOGNATHIC Emergency	O23008	Φ 2.3	8	Green



PLATES

- Reversible plates allow for less inventory
- Color coding by thickness helps easy identification
- Anatomical design allows for easy contour
- Prebent chin plate

System \ Color	Green	Gold
Orthognathic	Thickness: 0.8mm	Thickness: 1mm

L-D Plate(90°) Compatible with $\Phi 1.95$ screws. (unit: mm)

4holes



OLD208S04 **G 2**
 OLD310S04 **G 3**
 10 X 15.5



OLD208M04 **G 2**
 OLD310M04 **G 3**
 10 X 18.5



OLD208L04 **G 2**
 OLD310L04 **G 3**
 10 X 21.5

L-D Plate(100°) Compatible with $\Phi 1.95$ screws.

4holes



OLD208SA4 **G 2**
 OLD310SA4 **G 3**
 10 X 16.5



OLD208MA4 **G 2**
 OLD310MA4 **G 3**
 10 X 19.5



OLD208LA4 **G 2**
 OLD310LA4 **G 3**
 10 X 22.5

6holes



OLD208SA6 **G 2**
 OLD310SA6 **G 3**
 15.5 X 23



OLD208MA6 **G 2**
 OLD310MA6 **G 3**
 15.5 X 26



OLD208LA6 **G 2**
 OLD310LA6 **G 3**
 15.5 X 29

L-D Plate(110°) Compatible with $\Phi 1.95$ screws.

4holes



OLD208SS4 **G 2**
 OLD310SS4 **G 3**
 11 X 19.5



OLD208MS4 **G 2**
 OLD310MS4 **G 3**
 11 X 21.5



OLD208LS4 **G 2**
 OLD310LS4 **G 3**
 11 X 24.5

Anatomic L-D Plate Compatible with $\Phi 1.95$ screws.

6holes (Reversible)



OAD208SR6 **G 2**
 OAD310SR6 **G 3**
 21.5 X 25



OAD208MR6 **G 2**
 OAD310MR6 **G 3**
 23.5 X 27



OAD208LR6 **G 2**
 OAD310LR6 **G 3**
 25.5 X 28.5

PLATES

- ▶ Reversible plates allow for less inventory
- ▶ Color coding by thickness helps easy identification
- ▶ Anatomical design allows for easy contour
- ▶ Prebent chin plate

Straight Clip Length Plate

Compatible with $\Phi 1.95$ screws.

(unit: mm)

Grade 3

5holes



28 ODL310S05



33 ODL310M05



38 ODL310L05

Straight Plate

Compatible with $\Phi 1.95$ screws.

4holes



21 OST208M04 G 2
OST310M04 G 3



21.5 OMS208A04 G 2
OMS310A04 G 3



24.5 OMS208B04 G 2
OMS310B04 G 3



25.5 OST208I04 G 2
OST310I04 G 3



27 OST208L04 G 2
OST310L04 G 3



25 OBC315M04 G 3



30.5 OMS208C04 G 2
OMS310C04 G 3



36.5 OMS208D04 G 2
OMS310D04 G 3

6holes



32 OST208M06 G 2
OST310M06 G 3

8holes



43 OST208M08 G 2
OST310M08 G 3

10holes



54 OST208M10 G 2
OST310M10 G 3

16holes



87 OST208M16 G 2
OST310M16 G 3

18holes



98 OST208M18 G 2
OST310M18 G 3

20holes



109 OST208M20 G 2
OST310M20 G 3

Z-D Plate

Compatible with $\Phi 1.95$ screws.

4holes



16 x 17.5 OZD208S04 G 2
OZD310S04 G 3



16 x 20.5 OZD208M04 G 2
OZD310M04 G 3



16 x 23.5 OZD208L04 G 2
OZD310L04 G 3

Straight Dual Plate

Compatible with $\Phi 1.95$ screws.

(unit: mm)

Grade 3

4holes



23.5 OSD310S04



26 OSD310M04



28.5 OSD310L04



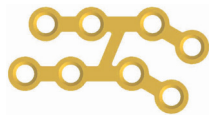
31 OSD310X04

OSS Plate

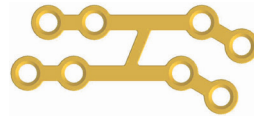
Compatible with $\Phi 1.95$ screws.

Grade 3

8holes



26.5 OSS310SA8



32.5 OSS310MA8



37 OSS310LA8

Y Plate

Compatible with $\Phi 1.95$ screws.

7holes



26 x 24
OYP208M07 G 2
OYP310M07 G 3

Chin X-Plate

Compatible with $\Phi 1.95$ screws.

Grade 3

4holes



15 x 11
OXC306004 0mm
OXC306014 1mm
OXC306A04 2mm
OXC306A14 3mm
OXC306B04 4mm
OXC306B14 5mm
OXC306C04 6mm
OXC306C14 7mm
OXC306D04 8mm
OXC306D14 9mm
OXC306E04 10mm
OXC306F04 12mm

D-Y Plate

Compatible with $\Phi 1.95$ screws.

6holes



12.5 x 18
ODY208M06 G 2
ODY310M06 G 3



12.5 x 23
ODY208L06 G 2
ODY310L06 G 3

Square Plate

Compatible with $\Phi 1.95$ screws.

4holes



12.5 x 12.5
OSQ208M04 G 2
OSQ310M04 G 3

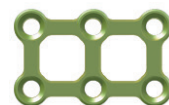


14.5 x 12.5
OSQ208L04 G 2
OSQ310L04 G 3

Double Square Plate

Compatible with $\Phi 1.95$ screws.

6holes



20.5 x 12.5
ODS208L06 G 2
ODS310L06 G 3

PLATES

- ▶ Reversible plates allow for less inventory
- ▶ Color coding by thickness helps easy identification
- ▶ Anatomical design allows for easy contour
- ▶ Prebent chin plate



Prebent L-L Plate / Prebent L-R Plate

Compatible with $\Phi 1.95$ screws.

(unit: mm)

Grade 2

4holes

Left(Reversible)			Right(Reversible)			
	OPR208A04	2mm	0.8t		OPL208A04	2mm
	OPR208B04	3mm			OPL208B04	3mm
	OPR208C04	4mm			OPL208C04	4mm
	OPR208D04	5mm			OPL208D04	5mm
	OPR208E04	6mm			OPL208E04	6mm
10 x 19				10 x 19		

8holes



Left			Right			
	OPL208SR8	3mm	0.8t		OPR208SR8	3mm
	OPL208MR8	4mm			OPR208MR8	4mm
	OPL208LR8	5mm			OPR208LR8	5mm
25.75 x 24.84				25.75 x 24.84		

LEFORT I PLATE LEFT / RIGHT

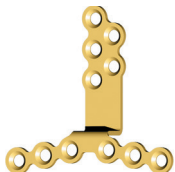
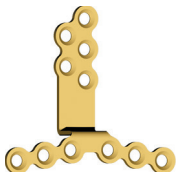
Compatible with $\Phi 1.5$ screws.

Grade 2

11holes

Left			Right			
	FBR206L00	0mm	0.6t		FBR206R00	0mm
	FBR206L01	2mm			FBR206R01	2mm
	FBR206L02	3mm			FBR206R02	3mm
	FBR206L03	4mm			FBR206R03	4mm
	FBR206L04	5mm			FBR206R04	5mm
	FBR206L05	6mm			FBR206R05	6mm
22 x 25				22 x 25		

Grade 3

Left			Right			
	FBR306L00	0mm	0.6t		FBR306R00	0mm
	FBR306L01	2mm			FBR306R01	2mm
	FBR306L02	3mm			FBR306R02	3mm
	FBR306L03	4mm			FBR306R03	4mm
	FBR306L04	5mm			FBR306R04	5mm
	FBR306L05	6mm			FBR306R05	6mm
22 x 25				22 x 25		

Grade 2

Left			Right			
	FBR210L01	7mm	1.0t		FBR210R01	7mm
	FBR210L02	8mm			FBR210R02	8mm
	FBR210L03	9mm			FBR210R03	9mm
	FBR210L04	10mm			FBR210R04	10mm
	FBR210L05	11mm			FBR210R05	11mm
24.76 x 23.10				24.76 x 23.10		

SEGMENTAL LEFORT I PLATE LEFT / RIGHT

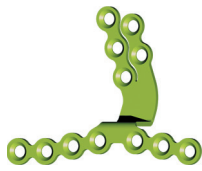
Compatible with $\Phi 1.5$ screws.

(unit: mm)

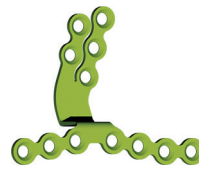
Grade 2

12holes

Left



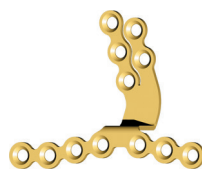
FBS206L00	0mm	0.6t
FBS206L01	2mm	
FBS206L02	3mm	
FBS206L03	4mm	
FBS206L04	5mm	
FBS206L05	6mm	



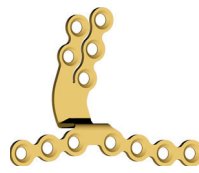
Right

FBS206R00	0mm	0.6t
FBS206R01	2mm	
FBS206R02	3mm	
FBS206R03	4mm	
FBS206R04	5mm	
FBS206R05	6mm	

Grade 3



FBS306L00	0mm	0.6t
FBS306L01	2mm	
FBS306L02	3mm	
FBS306L03	4mm	
FBS306L04	5mm	
FBS306L05	6mm	



FBS306R00	0mm	0.6t
FBS306R01	2mm	
FBS306R02	3mm	
FBS306R03	4mm	
FBS306R04	5mm	
FBS306R05	6mm	

21 X 29

21 X 29

Grade 2



FBS210L01	7mm	1.0t
FBS210L02	8mm	
FBS210L03	9mm	
FBS210L04	10mm	
FBS210L05	11mm	



FBS210R01	7mm	1.0t
FBS210R02	8mm	
FBS210R03	9mm	
FBS210R04	10mm	
FBS210R05	11mm	

28.76 X 20.50

28.76 X 20.50

BUTTRESS PLATE(Reversible)

Compatible with $\Phi 1.5$ screws.

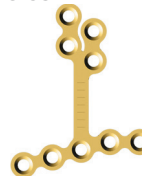
8holes



FBR210A08	G 2	1.0t (Reversible)
FBR310A08	G 3	

15 X 20

9holes

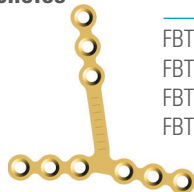


FBR210A09	G 2	3mm	1.0t (Reversible)
FBR310A09	G 3	19 X 20	
FBR210B09	G 2	7mm	
FBR310B09	G 3	19 X 23.5	
FBR210C09	G 2	11mm	
FBR310C09	G 3	19 X 29.5	

T PLATE(Reversible / Non-Reversible)

Compatible with $\Phi 1.5$ screws.

9holes

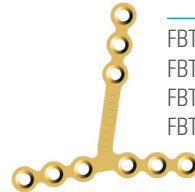


FBT206L01	G 2	5mm	0.6t
FBT306L01	G 3	25.5 X 23	
FBT206L02	G 2	8mm	
FBT306L02	G 3	25.5 X 26	

Reversible






FBT208D01	G 2	8mm	0.8t
FBT308D01	G 3	25.5 X 26	
FBT208D02	G 2	10mm	
FBT308D02	G 3	25.5 X 28	
FBT208D03	G 2	12mm	
FBT308D03	G 3	25.5 X 30	



FBT206R01	G 2	5mm	0.6t
FBT306R01	G 3	25.5 X 23	
FBT206R02	G 2	8mm	
FBT306R02	G 3	25.5 X 26	

Screw

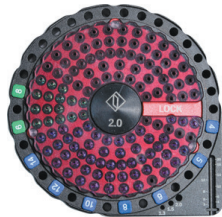
IMF Screws

Type	Order No.	Φ	Length(mm)
 R-Head	D22006B	2.0	6
	D22008B		8
	D22010B		10
 D-Head(With hole)	D32006	2.0	6
	D32008		8
	D32010		10
 H-Head	D42006B	2.0	6
	D42008B		8
	D42010B		10

Instruments

Screw Disc

TSF-001



TSO-001



Plate Tray

Facial Plate Tray

TPF-005BR



Container

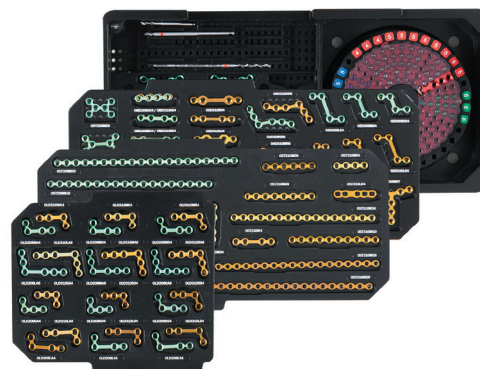
TCP-003

Container Only



Orthognathic Plate Tray

TPO-005BR



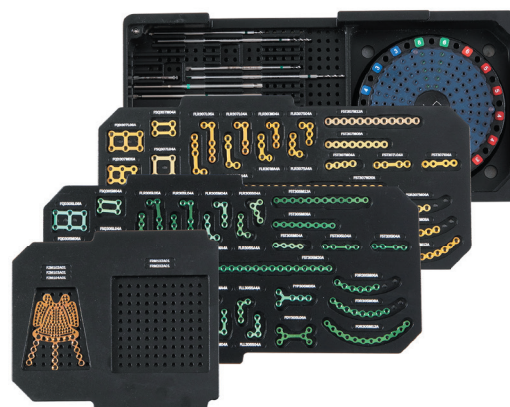
Instrument Tray

TCP-004BR



Orthognathic Plate Tray

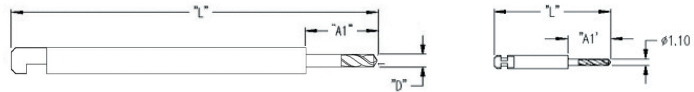
TPO-006BR



Instruments

Drill

		mm						mm				
ITEM	CODE	"D"	"L"	"A1"		ITEM	CODE	"D"	"L"	"A1"		
FACIAL	Φ1.3 screw	FDB-06	Φ1.0	52	6	Drill Bit for Surgical	ORTHOGNATHIC	ODB-01	Φ1.6	52	6	Drill Bit for Surgical
		FDB-12	Φ1.0	65	12			ODB-04	Φ1.6	72	22	
		FDB-13	Φ1.0	90	12			ODB-10	Φ1.6	110	22	
	FDB-08	Φ1.0	18	8	Drill Bit for Angle	ODB-16		Φ1.6	32	12		
	FDB-21	Φ1.0	28	8								
Φ1.5 screw	FDB-02	Φ1.1	58	12	Drill Bit for Surgical							
	FDB-20	Φ1.1	65	15								
	FDB-14	Φ1.1	90	15								



Driver Shaft

Facial Driver Shaft (72mm)	FDS-01	Orthognathic Driver Shaft (89.7mm)/ For R-head Type IMF screw	ODS-01
Facial Driver Shaft for Angle (25mm)	FDS-02	Orthognathic Driver Shaft (117mm)	ODS-04
		Orthognathic Driver Shaft for Angle (22mm)	ODS-02



Driver shaft 70mm for D-head Type IMF Screw IDS-01

Driver shaft 40mm for D-head Type IMF Screw IDS-02

Driver shaft 23mm for D-head Type IMF Screw IDS-03

Driver shaft 70mm for H-head Type IMF Screw IMF-L04

Forcep

IOC-031



Bender

3-Hole Bender / Facial 0.4t & 0.5t

IOC-021

3-Hole Bender / Orthognathic 0.8t&1.0t

IOC-020



IOC-020
IOC-021

Bender& Cutter

Orthognathic Plate Cutter

IOC-050

Combind Plier Set for Cutting and Bending

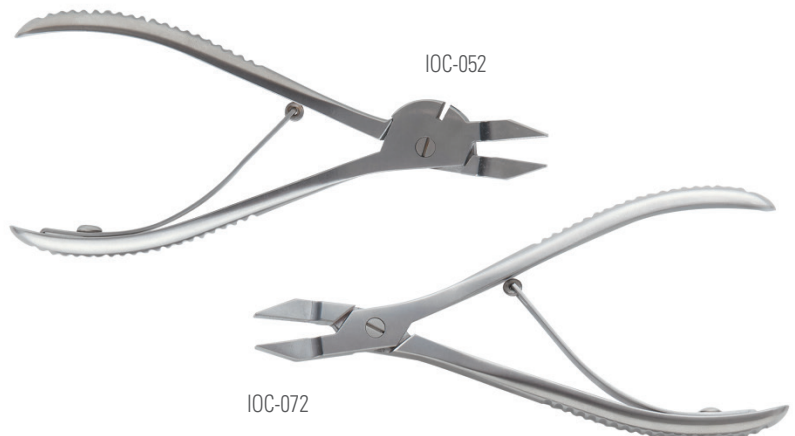
IOC-052 + IOC-072

Bending Plier Set (2ea/set)

IOC-072



IOC-050



IOC-052

IOC-072

Instruments

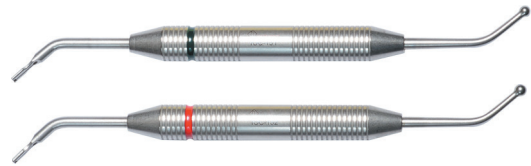
Cannula

Cannula	IOC-091
Cannula Trocar	IOC-092
Cannula Drill Guide / Orthognathic 2.0	IOC-093
Cheek Retractor	IOC-094
Cannula Drill Guide / Facial 1.5	IOC-095



Holding Forcep

Holding Forcep / Facial 1.5	IOC-131
Holding Forcep / Orthognathic 2.0	IOC-132



Depth Gauge

Depth Gauge / Facial 1.5	IOC-100
Depth Gauge / Orthognathic 2.0	IOC-110



Hand Driver Shaft Body

IOC-016



Drill Guide

IOC-150



CE
0120



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