



OPTIMUS Mandible Surgery

Plating System



OSTEONIC

INTRODUCTION

Various clinical challenges surgeons are facing these days in Mandibular 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
- ▶ Offering comprehensive Locking and non-locking plating options in the 2.0mm and 2.4mm sizes

OPTIMUS Mandible Plating System



INTENDED USE AND VARIETY OF INDICATION

Optimus Mandible system is intended for bone fixation in the following indication;

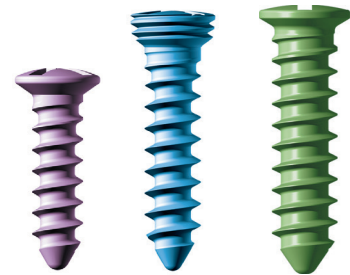
- Mandibular Trauma and Fracture
- Mandibular Reconstructive Surgery
- Orthognathic Surgery



1.95/2.0mm FRACTURE

1.95/2.0 Screw

- Non-Locking & Locking Screws are available
- One Standard screw diameter
 - 1.95mm dia (Non-locking Screws)
 - 2.0mm dia (Locking Screws)
 - 2.3mm dia (Emergency Screw)
- Maximized screw-blade retention



1.95 Non-Locking Screw

Description	Order No.	Φ	Size(mm)	Color
MANDIBLE SCREW Self-Tapping	O19004	1.95	4	■
MANDIBLE SCREW Self-Tapping	O19006	1.95	6	■
MANDIBLE SCREW Self-Tapping	O19008	1.95	8	■
MANDIBLE SCREW Self-Tapping	O19010	1.95	10	■
MANDIBLE SCREW Self-Tapping	O19012	1.95	12	■
MANDIBLE SCREW Self-Tapping	O19014	1.95	14	■
MANDIBLE SCREW Self-Tapping	O19016	1.95	16	■
MANDIBLE SCREW Self-Tapping	O19018	1.95	18	■
MANDIBLE SCREW Self-Tapping	O19020	1.95	20	■
MANDIBLE SCREW Emergency	O23005	2.3	5	■
MANDIBLE SCREW Emergency	O23006	2.3	6	■
MANDIBLE SCREW Emergency	O23008	2.3	8	■
MANDIBLE SCREW Emergency	O23010	2.3	10	■
MANDIBLE SCREW Emergency	O23012	2.3	12	■
MANDIBLE SCREW Emergency	O23014	2.3	14	■
MANDIBLE SCREW Emergency	O23016	2.3	16	■

2.0 Locking Screw

Description	Order No.	Φ	Size(mm)	Color
MANDIBLE SCREW Self-Tapping	M20L04	2	4	■
MANDIBLE SCREW Self-Tapping	M20L06	2	6	■
MANDIBLE SCREW Self-Tapping	M20L08	2	8	■
MANDIBLE SCREW Self-Tapping	M20L10	2	10	■
MANDIBLE SCREW Self-Tapping	M20L12	2	12	■
MANDIBLE SCREW Self-Tapping	M20L14	2	14	■
MANDIBLE SCREW Self-Tapping	M20L16	2	16	■
MANDIBLE SCREW Self-Tapping	M20L18	2	18	■
MANDIBLE SCREW Self-Tapping	M20L20	2	20	■
MANDIBLE SCREW Emergency	O23005	2.3	5	■
MANDIBLE SCREW Emergency	O23006	2.3	6	■
MANDIBLE SCREW Emergency	O23008	2.3	8	■
MANDIBLE SCREW Emergency	O23010	2.3	10	■
MANDIBLE SCREW Emergency	O23012	2.3	12	■
MANDIBLE SCREW Emergency	O23014	2.3	14	■
MANDIBLE SCREW Emergency	O23016	2.3	16	■

PLATES










- ▶ Non-Locking & locking plates available
- ▶ Color coding by thickness helps easy identification
- ▶ Offering comprehensive plates

2.0 Fracture Non-Locking 1.0t

System \ Color	Silver	Blue
Mandible 2.0	Thickness: 1.0mm	Thickness: 1.5mm



Straight Plate

Grade 3

	(unit: mm)	
4holes	 MST310M04 21	8holes  MST310M08 43
10holes	 MST310M10 54	
12holes	 MST310M12 65	
16holes	 MST310M16 87	
18holes	 MST310M18 98	
20holes	 MST310M20 109	
2+2 holes Narrow	 MST310N04 24.5	3+3 holes Narrow  MST310N06 30
2+2 holes Wide	 MST310W04 22.5	3+3 holes Wide  MST310W06 31.5


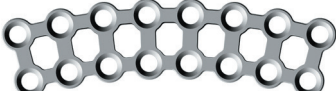
Matrix Plate

Grade 3

	(unit: mm)	
2x4	 MMX310M08 10 x 21	2x8  MMX310M16 10 x 43

Curved Maxtrix Plate

Grade 3

	(unit: mm)	
2x6	 MCM310M12 34 x 12	2x8  MCM310M16 46 x 13.5

2.0 Fracture Non-Locking 1.5t

Straight Plate

(unit: mm)

Grade 3

6holes



MST315N06 41

12holes



MST315M12 83

20holes



MST315M20 139

2+2 holes



MST315L04 32.5

3+3 holes



MST315L06 46.5

Angled Plate

(unit: mm)

Grade 3

3+3holes



MAC315M06 44 x 13.5

Curved Plate

(unit: mm)

Grade 3

3+3holes



MCP315M06 44.5 x 10.5

DCP

(unit: mm)

Grade 3

2+2holes



MCS315L04 33.5

3+3holes



MCS315L06 47.5

Curved 3+3holes



MCC315L06 46.5 x 12

Angled 3+3holes



MCA315M06 44 x 14.5

PLATES

2.0 Fracture Locking 1.0t

Straight LOC Plate

(unit: mm)

Grade 3

2+2holes Narrow



MLS310N04 24.5

3+3holes Narrow



MLS310N06 34.5

2+2holes Wide



MLS310W04 22.5

3+3holes Wide



MLS310W06 31.5

12holes



MLS310M12 65

20holes



MLS310M20 109

2.0 Fracture Locking 1.5t

Straight LOC Plate

(unit: mm)

Grade 3

6holes



MLS315N06 41

12holes



MLS315M12 83

20holes



MLS315M20 139

2+2 holes



MLS315L04 32.5

3+3 holes



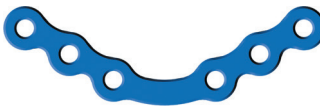
MLS315L06 46.5

Angled LOC Plate

(unit: mm)

Grade 3

3+3holes



MLA315M06 44 x 13.5



MAL315M06 44 x 14.5

Curved LOC Plate

(unit: mm)

Grade 3

3+3holes



MLC315N06 44.5 x 10.5

Curved 3+3holes

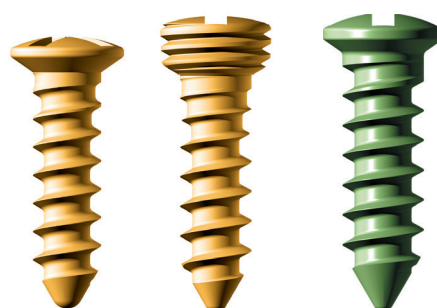


MCL315M06 46.5 x 12

2.4mm FRACTURE

2.4 Screw

- Non-Locking & Locking Screws are available
- One Standard screw diameter
 - 2.4mm dia (Non-locking & Locking Screws)
 - 2.7mm dia (Emergency Screw)
- Maximized screw-blade retention



2.4 Non-Locking Screw

Description	Order No.	Φ	Size(mm)	Color
MANDIBLE SCREW Self-Tapping	M24004	2.4	4	Gold
MANDIBLE SCREW Self-Tapping	M24006	2.4	6	Gold
MANDIBLE SCREW Self-Tapping	M24008	2.4	8	Gold
MANDIBLE SCREW Self-Tapping	M24010	2.4	10	Gold
MANDIBLE SCREW Self-Tapping	M24012	2.4	12	Gold
MANDIBLE SCREW Self-Tapping	M24014	2.4	14	Gold
MANDIBLE SCREW Self-Tapping	M24016	2.4	16	Gold
MANDIBLE SCREW Self-Tapping	M24018	2.4	18	Gold
MANDIBLE SCREW Self-Tapping	M24020	2.4	20	Gold
MANDIBLE SCREW Emergency	M27006	2.7	6	Green
MANDIBLE SCREW Emergency	M27008	2.7	8	Green
MANDIBLE SCREW Emergency	M27010	2.7	10	Green
MANDIBLE SCREW Emergency	M27012	2.7	12	Green

2.4 Locking Screw

Description	Order No.	Φ	Size(mm)	Color
MANDIBLE SCREW Self-Tapping	M24L04	2.4	4	Gold
MANDIBLE SCREW Self-Tapping	M24L06	2.4	6	Gold
MANDIBLE SCREW Self-Tapping	M24L08	2.4	8	Gold
MANDIBLE SCREW Self-Tapping	M24L10	2.4	10	Gold
MANDIBLE SCREW Self-Tapping	M24L12	2.4	12	Gold
MANDIBLE SCREW Self-Tapping	M24L14	2.4	14	Gold
MANDIBLE SCREW Self-Tapping	M24L16	2.4	16	Gold
MANDIBLE SCREW Self-Tapping	M24L18	2.4	18	Gold
MANDIBLE SCREW Self-Tapping	M24L20	2.4	20	Gold
MANDIBLE SCREW Emergency	M27006	2.7	6	Green
MANDIBLE SCREW Emergency	M27008	2.7	8	Green
MANDIBLE SCREW Emergency	M27010	2.7	10	Green
MANDIBLE SCREW Emergency	M27012	2.7	12	Green

PLATES

- ▶ Non-Locking & locking plates available
- ▶ Color coding by thickness helps easy identification
- ▶ Innovative locking mechanism
- ▶ Offering comprehensive plates

2.4 Fracture Non-Locking 1.5 / 2.0t

System \ Color	Blue	Green
Mandible 2.4	Thickness: 1.5mm	Thickness: 2.0mm

Straight Plate

(unit: mm)

Grade 3

4holes



MST315M04 ■ 27.5
MST320M04 ■

6holes



MST315M06 ■ 38.5
MST320M06 ■

8holes



MST315M08 ■ 55
MST320M08 ■

Compression Plate

(unit: mm)

Grade 3

4holes(S)



MSC315S04 ■ 33.5
MSC320S04 ■

4holes(M)



MSC315M04 ■ 36.5
MSC320M04 ■

6holes



MSC315M06 ■ 48.5
MSC320M06 ■

Angled Compression Plate

(unit: mm)

Grade 3

4holes(S)



MAC315S04 ■ 30 x 19
MAC320S04 ■

4holes(M)



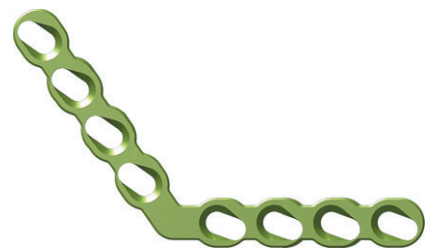
MAC315M04 ■ 33 x 23.5
MAC320M04 ■

6holes



MAC315S06 ■ 42 x 25
MAC320S06 ■

8holes



MAC315M08 ■ 51.5 x 30
MAC320M08 ■

PLATES

2.4 Fracture Non-Locking 1.5 / 2.0t

Curved Compression Plate

(unit: mm)

Grade 3

6holes



MCD315N06 47 X 12
MCD320M06

2.4 Fracture Locking 2.0t

Straight LOC plate

(unit: mm)

Grade 3

6holes



MLS320M06 41

12holes



MLS320M12 83

Curved LOC Plate

(unit: mm)

Grade 3

2+2



MLC320M04 34 X 8.5

3+3



MLC320M06 46.5 X 12

Angled LOC Plate

(unit: mm)

Grade 3

3+3

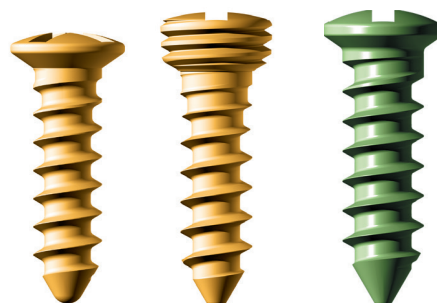


MLA320M06 44 X 14.5

2.4mm RECONSTRUCTION

Screw

- Non-Locking & Locking Screws are available
- One Standard screw diameter
 - 2.4mm dia(Non-locking & Locking Screws)
 - 2.7mm dia(Emergency Screw)
- Maximized screw-blade retention



2.4 Non-Locking Screw

Description	Order No.	Φ	Size(mm)	Color
MANDIBLE SCREW Self-Tapping	M24004	2.4	4	Gold
MANDIBLE SCREW Self-Tapping	M24006	2.4	6	Gold
MANDIBLE SCREW Self-Tapping	M24008	2.4	8	Gold
MANDIBLE SCREW Self-Tapping	M24010	2.4	10	Gold
MANDIBLE SCREW Self-Tapping	M24012	2.4	12	Gold
MANDIBLE SCREW Self-Tapping	M24014	2.4	14	Gold
MANDIBLE SCREW Self-Tapping	M24016	2.4	16	Gold
MANDIBLE SCREW Self-Tapping	M24018	2.4	18	Gold
MANDIBLE SCREW Self-Tapping	M24020	2.4	20	Gold
MANDIBLE SCREW Emergency	M27006	2.7	6	Green
MANDIBLE SCREW Emergency	M27008	2.7	8	Green
MANDIBLE SCREW Emergency	M27010	2.7	10	Green
MANDIBLE SCREW Emergency	M27012	2.7	12	Green

2.4 Locking Screw

Description	Order No.	Φ	Size(mm)	Color
MANDIBLE SCREW Self-Tapping	M24L04	2.4	4	Gold
MANDIBLE SCREW Self-Tapping	M24L06	2.4	6	Gold
MANDIBLE SCREW Self-Tapping	M24L08	2.4	8	Gold
MANDIBLE SCREW Self-Tapping	M24L10	2.4	10	Gold
MANDIBLE SCREW Self-Tapping	M24L12	2.4	12	Gold
MANDIBLE SCREW Self-Tapping	M24L14	2.4	14	Gold
MANDIBLE SCREW Self-Tapping	M24L16	2.4	16	Gold
MANDIBLE SCREW Self-Tapping	M24L18	2.4	18	Gold
MANDIBLE SCREW Self-Tapping	M24L20	2.4	20	Gold
MANDIBLE SCREW Emergency	M27006	2.7	6	Green
MANDIBLE SCREW Emergency	M27008	2.7	8	Green
MANDIBLE SCREW Emergency	M27010	2.7	10	Green
MANDIBLE SCREW Emergency	M27012	2.7	12	Green

PLATES

- ▶ Non-Locking & locking plates available
- ▶ Color coding by thickness helps easy identification
- ▶ Innovative locking mechanism
- ▶ Offering comprehensive plates


2.4 Reconstruction Non-Locking 2.0/2.6t



Reconstruction plate

Grade 3

Reconstruction Template Available


(unit: mm)



17holes 




MST320N17  **136** (Scale: 50/100)
MST326M17 

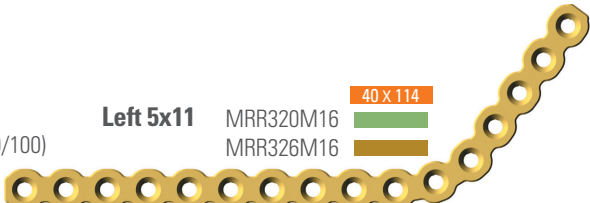


23holes 

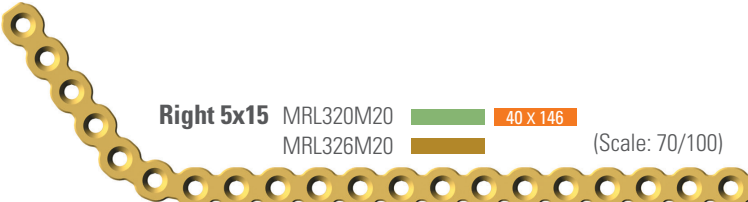


MST320N23  **184** (Scale: 50/100)
MST326M23 




28holes 

MST320N28  **224** (Scale: 50/100)
MST326M28 

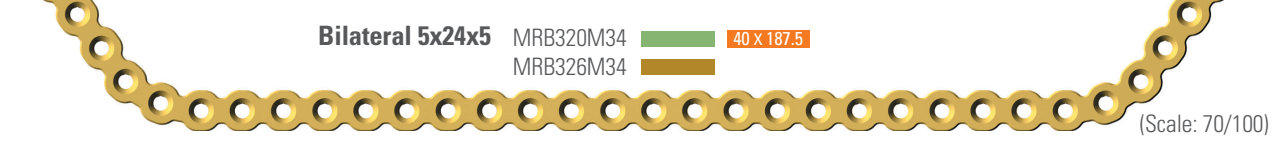
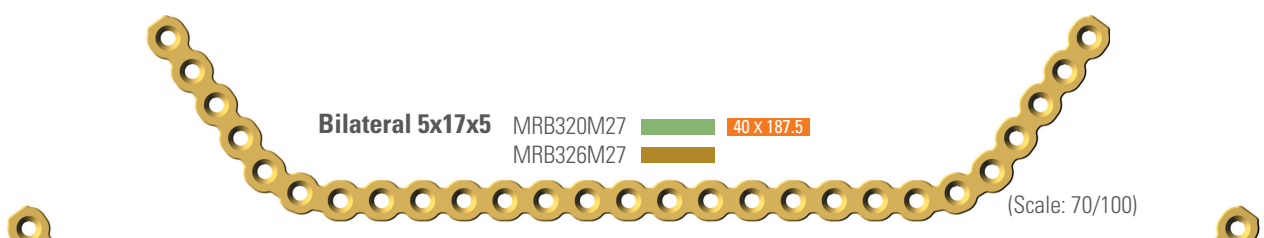
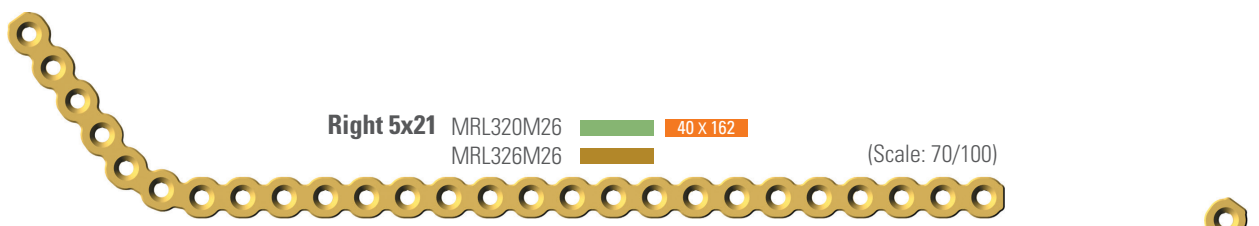
Right 5x11  **MRL320M16**  **40 X 114** (Scale: 70/100)
MRL326M16 

Left 5x11  **MRR320M16**  **40 X 114**
MRR326M16 

Right 5x15  **MRL320M20**  **40 X 146** (Scale: 70/100)
MRL326M20 

Left 5x15  **MRR320M20**  **40 X 146**
MRR326M20 

(Scale: 70/100)



PLATES

- ▶ Non-Locking & locking plates available
- ▶ Color coding by thickness helps easy identification
- ▶ Innovative locking mechanism
- ▶ Offering comprehensive plates

2.4 Reconstruction Locking 2.0/2.6t

Reconstruction LOC plate

Grade 3

Reconstruction Template Available

(unit: mm)

17holes

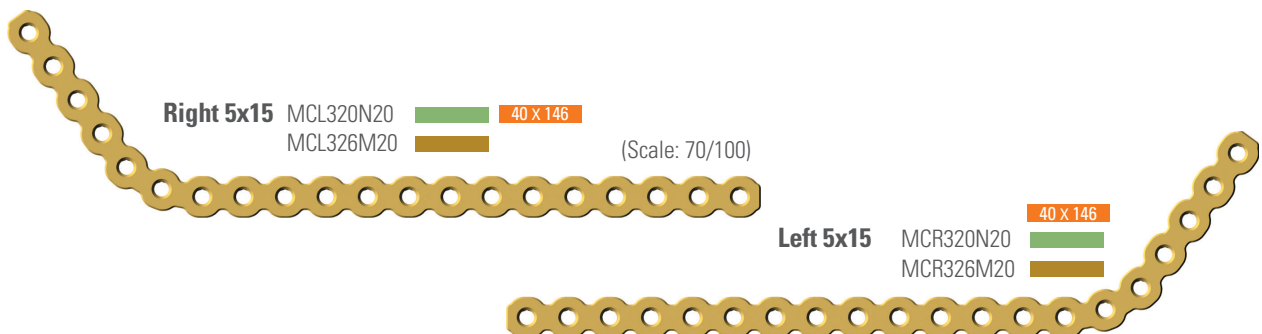
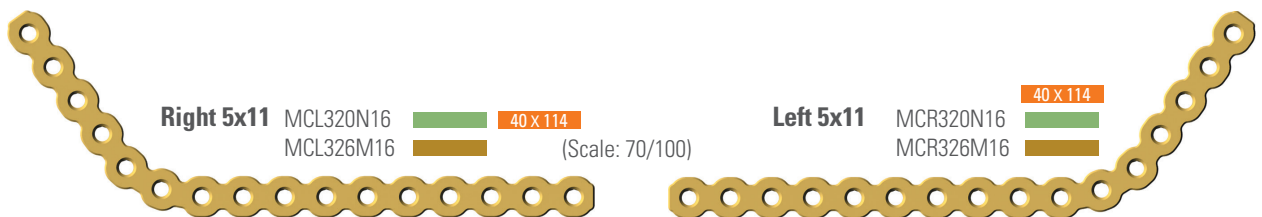
MCS320N17  136 (Scale: 50/100)
 MCS326M17 

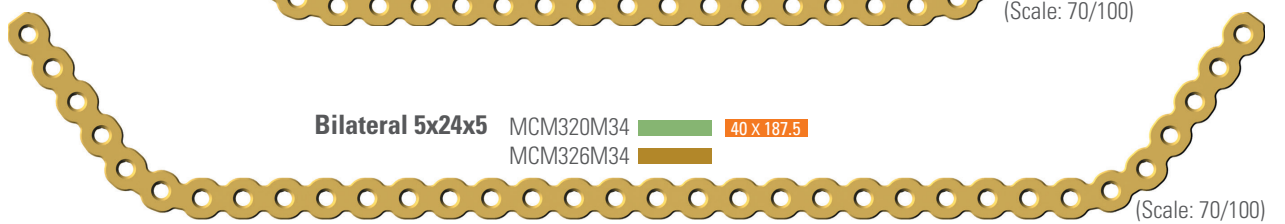
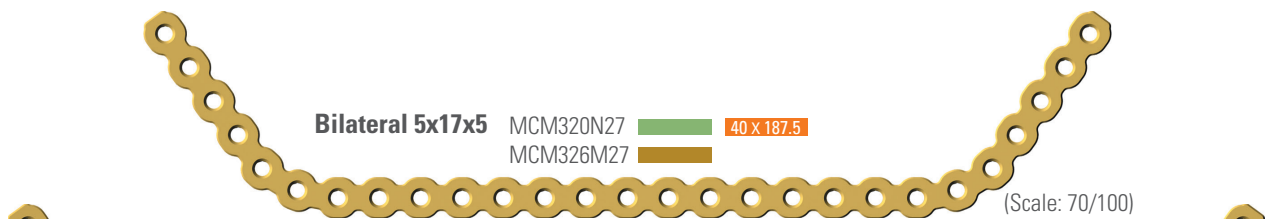
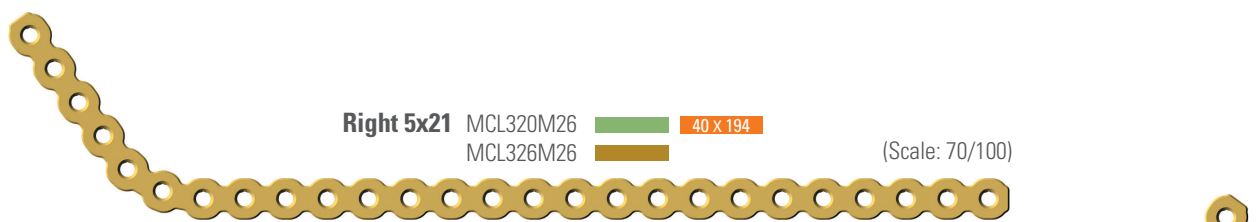
23holes

MCS320N23  184 (Scale: 50/100)
 MCS326M23 

28holes

MCS320N28  224 (Scale: 50/100)
 MCS326M28 





TEMPLATES

(unit: mm)



Mandible Template, Bilateral for 34holes

IOC-120

40 x 243

(Scale: 70/100)



Mandible Template, Bilateral for 27holes

IOC-121

40 x 187

(Scale: 70/100)



Mandible Template, Reversible for 16holes

IOC-122

40 x 114

(Scale: 70/100)



Mandible Template, Reversible for 20holes

IOC-123

40 x 146

(Scale: 70/100)



Mandible Template, Reversible for 27holes

IOC-124

40 x 194

(Scale: 70/100)



Mandible Template, Straight for 17holes IOC-125  



Mandible Template, Straight for 23holes IOC-126  



Mandible Template, Straight for 28holes IOC-127  

Bending Screws






2.0 Bending Screw IOC-170



2.4 Bending Screw IOC-171

Screw

IMF Screws

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

Instruments

Container

TCM-003

Container Only

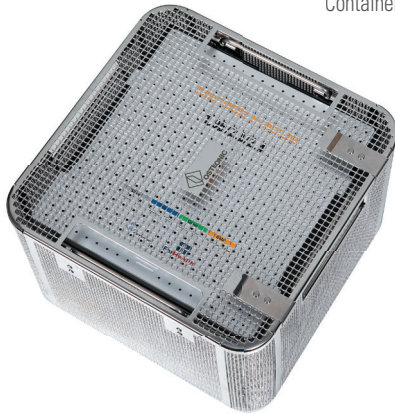


Plate Tray

1.95 / 2.0 / 2.4 Fracture Plate Tray

TPM-005BR



2.4 Reconstruction Plate Tray

TPM-006BR



Instrument Tray

TCM-004BR



1.95 / 2.0 / 2.4 Mandible Screw Tray

TPM-007BR



Driver Shaft

2.0 Mandible Driver Shaft (89.7mm)/ For R-head Type IMF screw	ODS-01
2.0 Mandible Driver Shaft (117mm)	ODS-04
2.0 Mandible Driver Shaft for Angle (22mm)	ODS-02
2.4 Mandible Driver Shaft(89.7mm)	MDS-02
2.4 Mandible Driver Shaft(117mm)	MDS-03

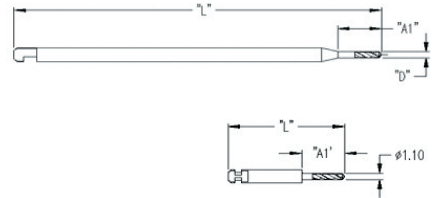


Driver shaft 70mm for D-head Type IMF Screw	IDS-01
Driver shaft 40mm for D-head Type IMF Screw	IDS-02
Driver shaft 23mm for D-head Type IMF Screw	IDS-03
Driver shaft 70mm for H-head Type IMF Screw	IMF-L04

Instruments

Drill

ITEM	CODE	"D"	"L"	"A1"	mm
MANDIBLE Φ2.0 screw	ODB-01	Φ1.6	52	6	Drill Bit for Surgical
	ODB-04	Φ1.6	72	22	
	ODB-10	Φ1.6	110	22	
	ODB-16	Φ1.6	32	12	
MANDIBLE Φ2.4 screw	MDB-09	Φ2.0	72	25	Drill Bit for Surgical
	MDB-05	Φ2.0	110	25	
	MDB-10	Φ2.0	32	12	



Hand Driver Shaft Body

IOC-016



Forcep

IOC-031



Cutter

Plate Cutter / Mandible 2.0 & 2.4

IOC-060



Bender

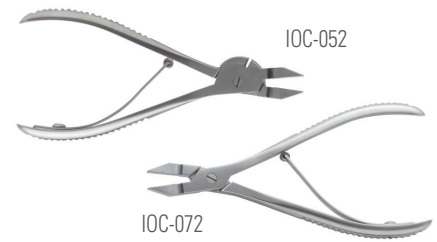
Plate Bender / Mandible 2.0 & 2.4

IOC-080



Bender& Cutter

Orthognathic Plate Cutter	IOC-050
Combind Plier Set for Cutting and Bending / Mandible 2.0	IOC-052 + IOC-072
Bending Plier Set (2ea / set)	



Bending Iron

IOC-073



Cannula

Cannula	IOC-091
Cannula Trocar	IOC-092
Cannula Drill Guide / Mandible 2.4	IOC-093
Cheek Retractor	IOC-094
Cannula Drill Guide / Mandible 2.0	IOC-095



Drill Guide

Drill Guide / Mandible 2.4	IOC-151
----------------------------	---------



Sleeve

Drill Sleeve / Mandible 2.0	IOC-160
Drill Sleeve / Mandible 2.4	IOC-161



Depth Gauge / Mandible

IOC-110



CE
0120



OSTEONIC Co., Ltd.

1206Ho, 38, Digital-ro 29-gil, Guro-gu, Seoul, Korea P.O. #08381
TEL: +822 6902 8400 FAX: +822 6902 8401 www.osteonic.com

MS - E - 1905