

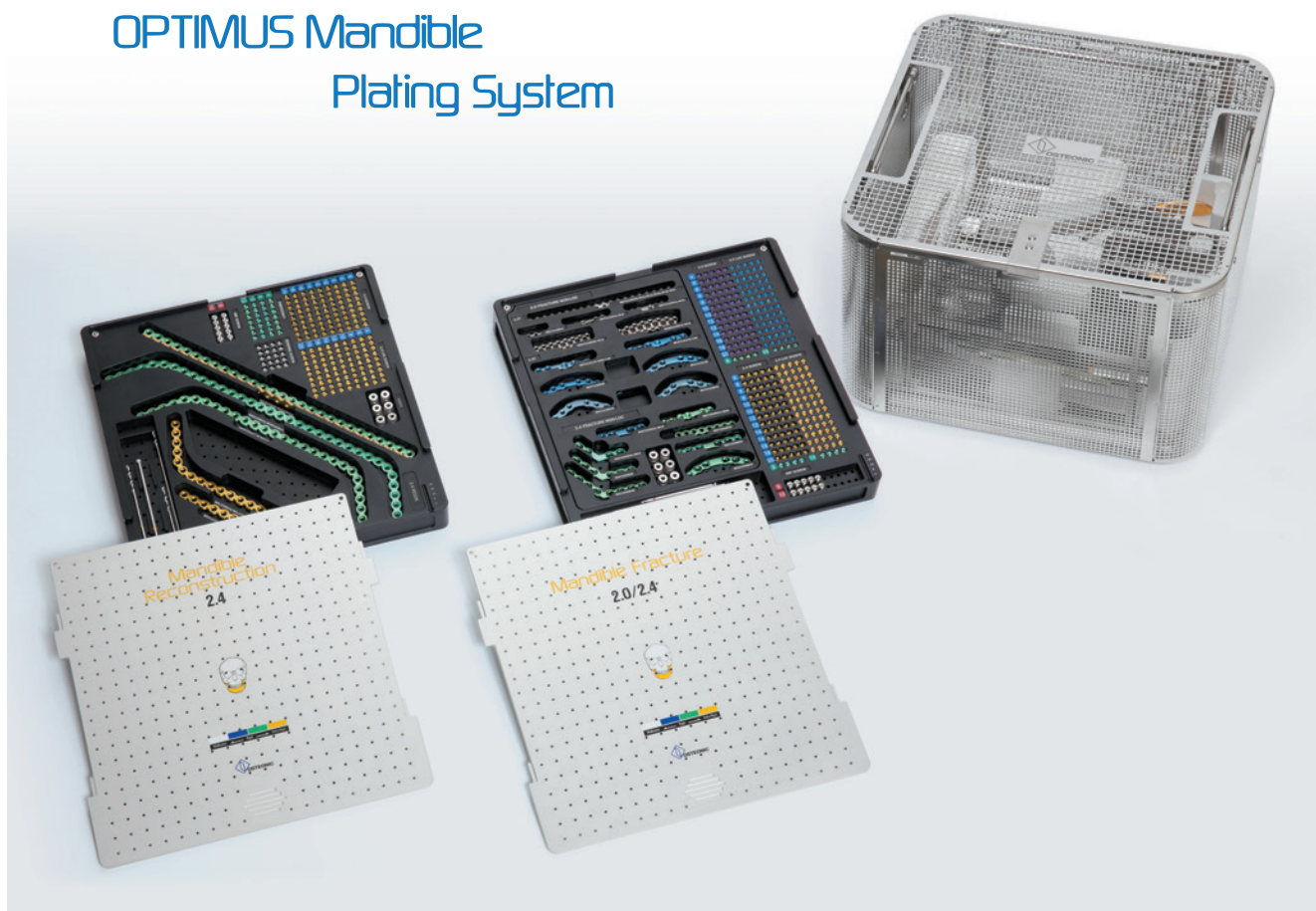
INTRODUCTION

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



2.0mm FRACTURE

2.0 Screw

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



2.0 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

4holes	 MST310M04	8holes	 MST310M08
10holes	 MST310M10		
12holes	 MST310M12		
16holes	 MST310M16		
18holes	 MST310M18		
20holes	 MST310M20		
2+2 holes Narrow	 MST310N04	3+3 holes Narrow	 MST310N06
2+2 holes Wide	 MST310W04	3+3 holes Wide	 MST310W06

Matrix Plate

2x4	 MMX310M08	2x8	 MMX310M16
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Curved Maxtrix Plate

2x6	 MCM310M12	2x8	 MCM310M16
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2.0 Fracture Non-Locking 1.5t

Straight Plate

6holes



MST315N06

12holes



MST315M12

20holes



MST315M20

2+2 holes



MST315L04

3+3 holes



MST315L06

Angled Plate

3+3holes



MAC315M06

Curved Plate

3+3holes



MCP315M06

DCP

2+2holes



MCS315L04

3+3holes



MCS315L06

Curved 3+3holes



MCC315L06

Angled 3+3holes



MCA315M06

PLATES

2.0 Fracture Locking 1.0t

Straight LOC Plate

2+2holes Narrow



MLS310N04

3+3holes Narrow



MLS310N06

2+2holes Wide



MLS310W04

3+3holes Wide



MLS310W06

12holes



MLS310M12

20holes



MLS310M20

2.0 Fracture Locking 1.5t

Straight LOC Plate

6holes



MLS315N06

12holes



MLS315M12

20holes



MLS315M20

2+2 holes



MLS315L04

3+3 holes



MLS315L06

Angled LOC Plate

3+3holes



MLA315M06

Curved LOC Plate

3+3holes



MLC315N06

Curved 3+3holes



MCL315M06

Angled 3+3holes



MAL315M06

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	Golden
MANDIBLE SCREW Self-Tapping	M24006	2.4	6	Golden
MANDIBLE SCREW Self-Tapping	M24008	2.4	8	Golden
MANDIBLE SCREW Self-Tapping	M24010	2.4	10	Golden
MANDIBLE SCREW Self-Tapping	M24012	2.4	12	Golden
MANDIBLE SCREW Self-Tapping	M24014	2.4	14	Golden
MANDIBLE SCREW Self-Tapping	M24016	2.4	16	Golden
MANDIBLE SCREW Self-Tapping	M24018	2.4	18	Golden
MANDIBLE SCREW Self-Tapping	M24020	2.4	20	Golden
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	Golden
MANDIBLE SCREW Self-Tapping	M24L06	2.4	6	Golden
MANDIBLE SCREW Self-Tapping	M24L08	2.4	8	Golden
MANDIBLE SCREW Self-Tapping	M24L10	2.4	10	Golden
MANDIBLE SCREW Self-Tapping	M24L12	2.4	12	Golden
MANDIBLE SCREW Self-Tapping	M24L14	2.4	14	Golden
MANDIBLE SCREW Self-Tapping	M24L16	2.4	16	Golden
MANDIBLE SCREW Self-Tapping	M24L18	2.4	18	Golden
MANDIBLE SCREW Self-Tapping	M24L20	2.4	20	Golden
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

4holes



MST315M04 
MST320M04 

6holes



MST315M06 
MST320M06 

8holes



MST315M08 
MST320M08 

Compression Plate

4holes(S)



MSC315S04 
MSC320S04 

4holes(M)



MSC315M04 
MSC320M04 

6holes



MSC315M06 
MSC320M06 

Angled Compression Plate

4holes(S)



MAC315S04 
MAC320S04 

4holes(M)



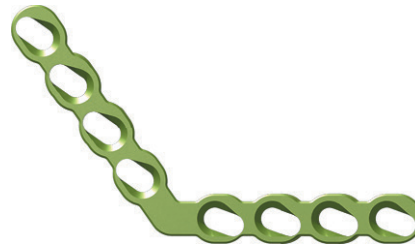
MAC315M04 
MAC320M04 

6holes



MAC315S06 
MAC320S06 

8holes



MAC315M08 
MAC320M08 

PLATES

2.4 Fracture Non-Locking 1.5 / 2.0t

Curved Compression Plate

6holes



MCD315N06 
MCD320M06 

2.4 Fracture Locking 2.0t

Straight LOC plate

6holes



MLS320M06

12holes



MLS320M12

Curved LOC Plate

2+2



MLC320M04

3+3



MLC320M06

Angled LOC Plate

3+3



MLA320M06

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	Golden
MANDIBLE SCREW Self-Tapping	M24006	2.4	6	Golden
MANDIBLE SCREW Self-Tapping	M24008	2.4	8	Golden
MANDIBLE SCREW Self-Tapping	M24010	2.4	10	Golden
MANDIBLE SCREW Self-Tapping	M24012	2.4	12	Golden
MANDIBLE SCREW Self-Tapping	M24014	2.4	14	Golden
MANDIBLE SCREW Self-Tapping	M24016	2.4	16	Golden
MANDIBLE SCREW Self-Tapping	M24018	2.4	18	Golden
MANDIBLE SCREW Self-Tapping	M24020	2.4	20	Golden
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	Golden
MANDIBLE SCREW Self-Tapping	M24L06	2.4	6	Golden
MANDIBLE SCREW Self-Tapping	M24L08	2.4	8	Golden
MANDIBLE SCREW Self-Tapping	M24L10	2.4	10	Golden
MANDIBLE SCREW Self-Tapping	M24L12	2.4	12	Golden
MANDIBLE SCREW Self-Tapping	M24L14	2.4	14	Golden
MANDIBLE SCREW Self-Tapping	M24L16	2.4	16	Golden
MANDIBLE SCREW Self-Tapping	M24L18	2.4	18	Golden
MANDIBLE SCREW Self-Tapping	M24L20	2.4	20	Golden
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
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- Innovative locking mechanism
- Offering comprehensive plates

2.4 Reconstruction Non-Locking 2.0/2.6t

Reconstruction plate

■ Reconstruction Template Available

17holes 

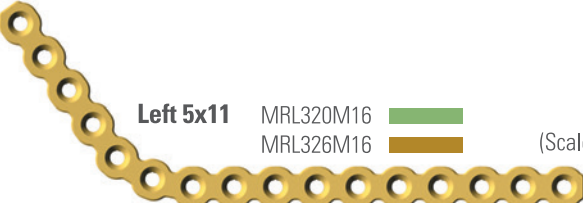
MST320N17  (Scale: 50/100)
MST326M17 

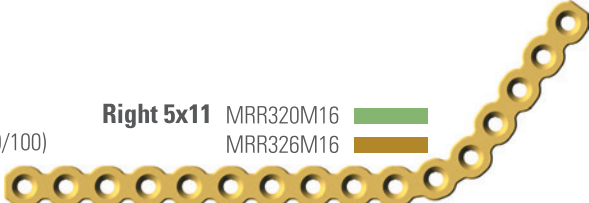
23holes 

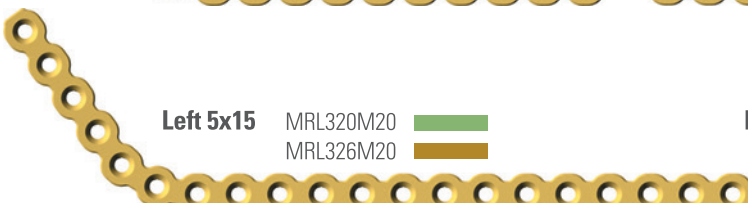
MST320N23  (Scale: 50/100)
MST326M23 

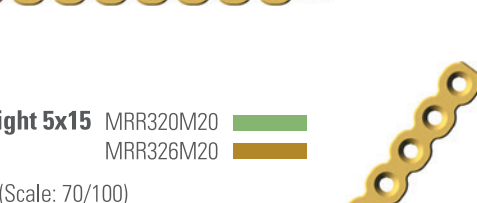
28holes 

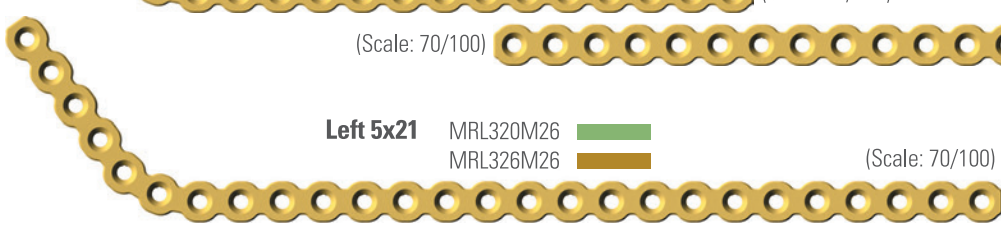
MST320N28  (Scale: 50/100)
MST326M28 

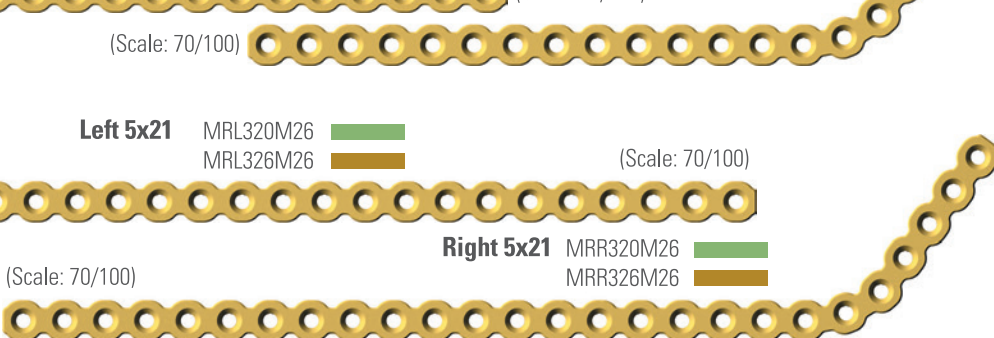
Left 5x11 
MRL320M16 
MRL326M16  (Scale: 70/100)

Right 5x11 
MRR320M16 
MRR326M16 

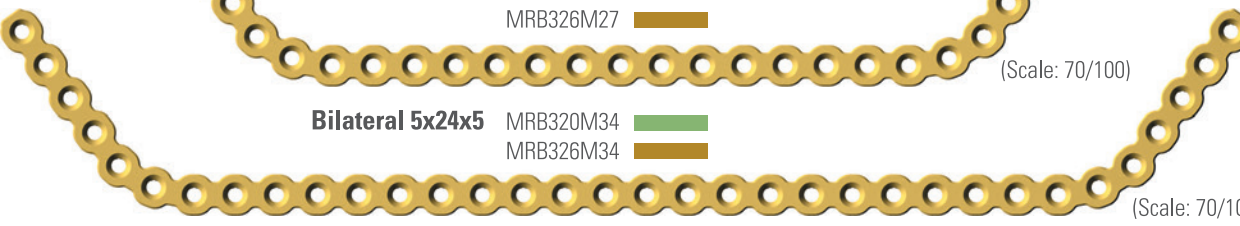
Left 5x15 
MRL320M20 
MRL326M20  (Scale: 70/100)

Right 5x15 
MRR320M20 
MRR326M20 

Left 5x21 
MRL320M26 
MRL326M26  (Scale: 70/100)

Right 5x21 
MRR320M26 
MRR326M26 

Bilateral 5x17x5 
MRB320M27 
MRB326M27  (Scale: 70/100)

Bilateral 5x24x5 
MRB320M34 
MRB326M34 

2.4 Reconstruction Locking 2.0/2.6t

Reconstruction LOC plate

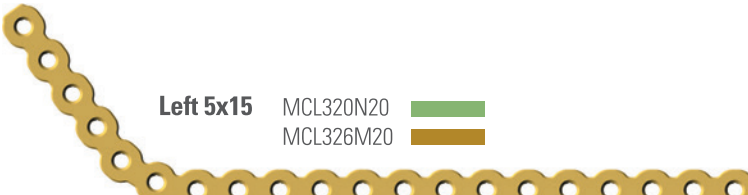
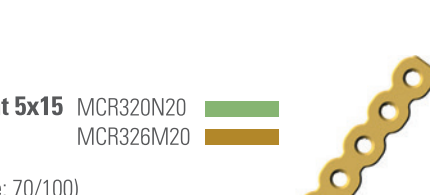
■ Reconstruction Template Available

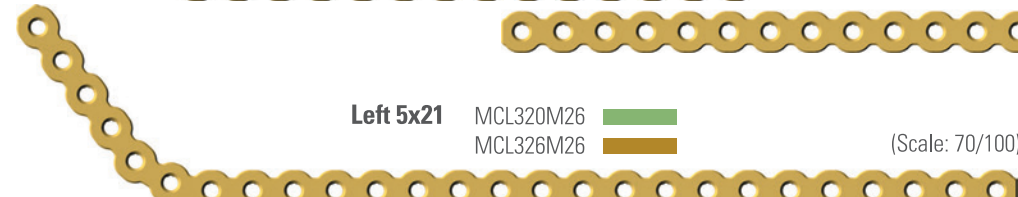
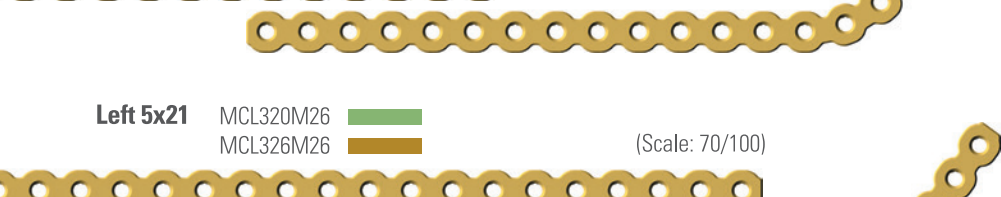
17holes  (Scale: 50/100)
MCS320N17 
MCS326M17 

23holes  (Scale: 50/100)
MCS320N23 
MCS326M23 

28holes  (Scale: 50/100)
MCS320N28 
MCS326M28 

Left 5x11  (Scale: 70/100)
MCL320N16 
MCL326M16 
Right 5x11  (Scale: 70/100)
MCR320N16 
MCR326M16 

Left 5x15  (Scale: 70/100)
MCL320N20 
MCL326M20 
Right 5x15  (Scale: 70/100)
MCR320N20 
MCR326M20 

Left 5x21  (Scale: 70/100)
MCL320M26 
MCL326M26 
Right 5x21  (Scale: 70/100)
MCR320M26 
MCR326M26 

Bilateral 5x17x5  (Scale: 70/100)
MCM320N27 
MCM326M27 
Bilateral 5x24x5  (Scale: 70/100)
MCM320M34 
MCM326M34 

TEMPLATES

(unit: mm)



Mandible Template, Bilateral for 34holes

IOC-120 

(Scale: 70/100)



Mandible Template, Bilateral for 27holes

IOC-121 

(Scale: 70/100)



Mandible Template, Reversible for 16holes

IOC-122 

(Scale: 70/100)



Mandible Template, Reversible for 20holes

IOC-123 

(Scale: 70/100)



Mandible Template, Reversible for 26holes

IOC-124 

(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

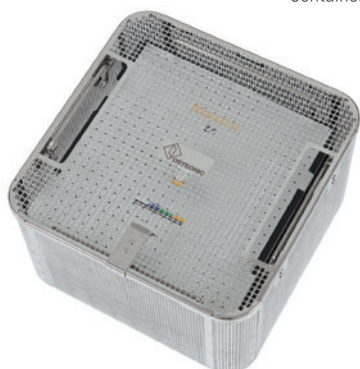


Plate Tray

2.0 / 2.4 Fracture Plate Tray

TPM-005



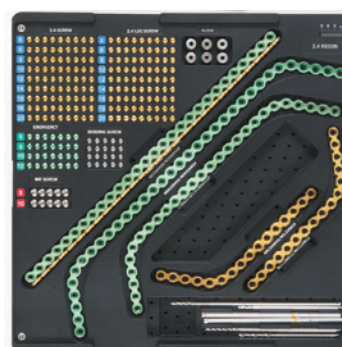
Instrument Tray

TCM-004



2.4 Reconstruction Plate Tray

TPM-006



Driver Shaft

2.0 Mandible Driver Shaft (89.7mm)	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 for D-head Type IMF Screw (70mm)	IDS-01
Driver Shaft for D-head Type IMF Screw (40mm)	IDS-02
Driver Shaft for D-head Type IMF Screw (23mm)	IDS-03
Driver Shaft for H-head Type IMF Screw (70mm)	IMF-L04



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

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

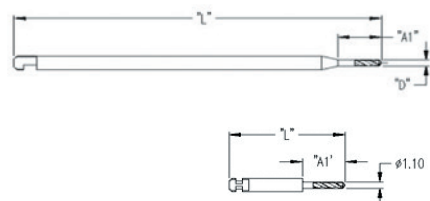
Driver shaft 23mm for D-head Type IMF Screw IDS-03

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-012
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

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 2.0 & 2.4 IOC-093
Cheek Retractor IOC-094



Drill Guide

Drill Guide / Mandible 2.0 IOC-150
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



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