



ThreadLock TS Smart

3D prebent reconstruction plates



Oral and maxillo-facial surgery is our passion! Its further development, together with our customers, is our ambition. Every day we work on developing innovative products and services which meet the highest demands on quality, and which contribute to the wellbeing of the patient.

ThreadLock TS Smart

Anatomically preshaped, fixed-angle plates for mandibular reconstruction and fracture treatment

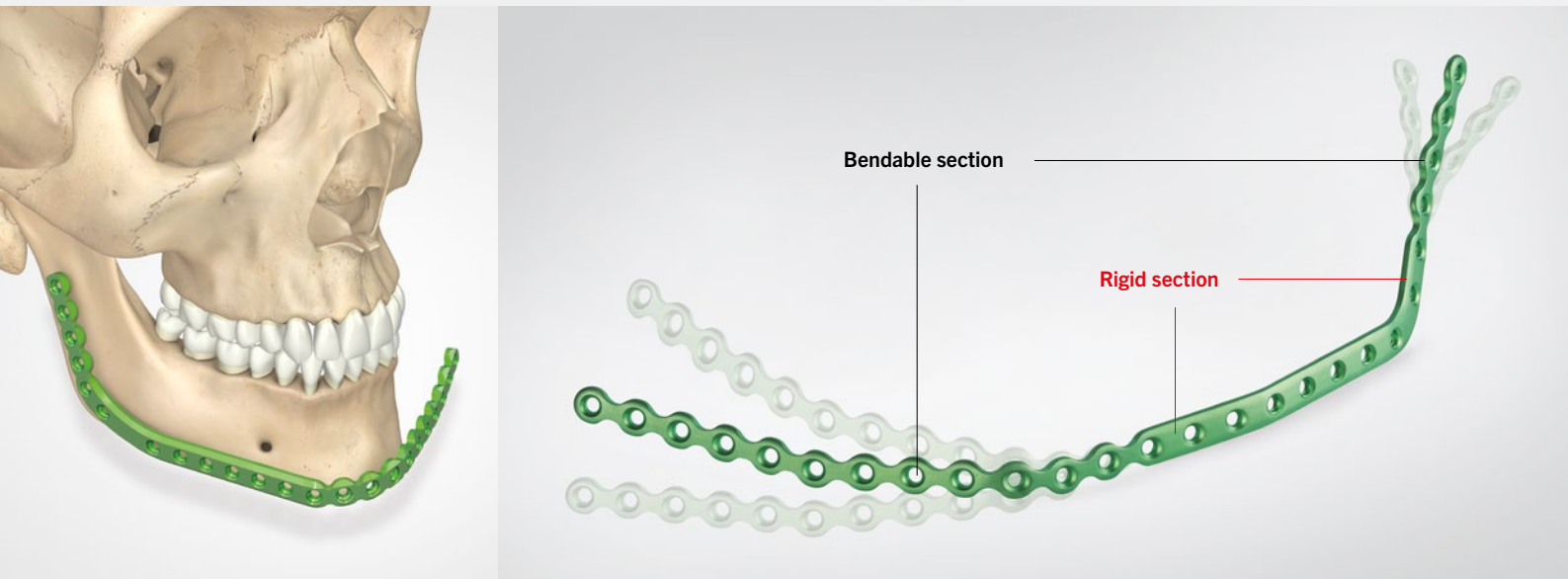
Intraoperative contouring of large reconstruction plates to three-dimensional anatomy remains a challenge. Saving time and preventing repeated bending attempts has been our design goal for our 3D prebent ThreadLock TS Smart reconstruction plates.

Today, patient-specific implants are becoming more and more important. They are ideal for a planned case, however, sometimes a product is needed immediately off the shelf. In these cases, preformed reconstruction plates following the shape of the average mandible may offer an interesting alternative.

Indications


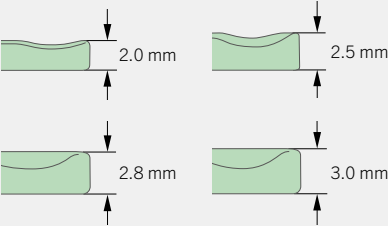
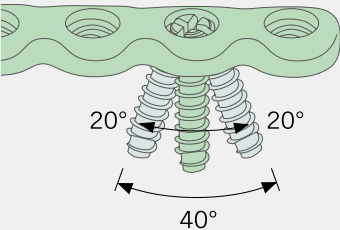
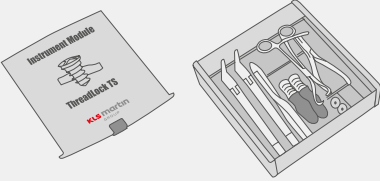
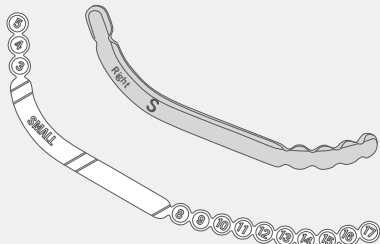
- Mandibular reconstruction with vascular or non-vascular bone grafts
- Temporary bridging of continuity defects (3.0-mm plates)
- Treatment of comminuted mandibular fractures
- Treatment of fractures in highly atrophic mandibles

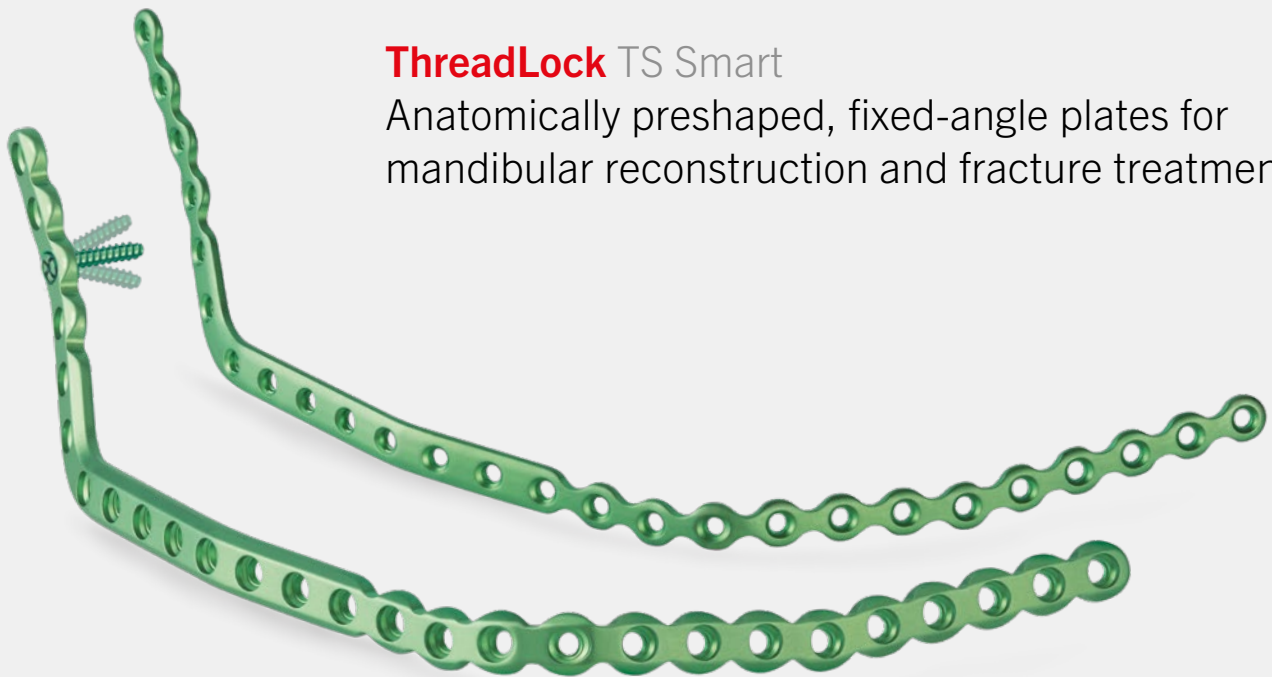
Feature, Function and Benefit



Our 3D prebent ThreadLock TS Smart reconstruction plates follow the shape of the average adult mandible. Therefore, only minimal intraoperative adaption may be required to adhere to the surface of the bone and perfectly fit the patient's mandible. This not only reduces time in the OR and limits deformation of the threaded hole geometry but also allows a reduction of stress in the plate compared to conventional intraoperative bending of non-preshaped plates, reducing the risk of fatigue fracture of the plate.

ThreadLock TS Smart

	Features and functions	Benefits
	<ul style="list-style-type: none"> Anatomically preshaped plates 	<ul style="list-style-type: none"> Only minimal intraoperative adaption required Decrease of operating time Reduction of stress in the plate resulting in reduced risk of fatigue fractures of the plate Limited deformation of the threaded hole geometry
 <p>Scale 2:1</p>	<ul style="list-style-type: none"> Various plate profiles 	<ul style="list-style-type: none"> Adequate implant for individual indications
	<ul style="list-style-type: none"> Locking mechanism Screws can lock in plates with up to $\pm 20^\circ$ of angulation All plates accept locking as well as non-locking screws Green color-codation 	<ul style="list-style-type: none"> Three-dimensional stability Best possible screw positioning High flexibility Clear assignment to ThreadLock TS locking plate system
	<ul style="list-style-type: none"> Designed to be used with ThreadLock TS system 	<ul style="list-style-type: none"> Compatible to existing screws and instruments Limited additional investment
	<ul style="list-style-type: none"> Templates and sizers available 	<ul style="list-style-type: none"> Perfect guidance during bending-process Optimal support for correct implant selection




ThreadLock TS Smart

Anatomically preshaped, fixed-angle plates for mandibular reconstruction and fracture treatment

The plates are available in three different profiles:


Primary Reconstruction (non-bridging)

Description	Item No.	STERILE	R
 = 2.0 mm	Reconstruction plate, preshaped	right	50-754-26-09 1 50-754-26-71 1
	in combination with 2.0-/2.3-mm locking or non-locking screws	left	50-755-26-09 1 50-755-26-71 1

Templates

Item No.	STERILE	R
50-751-26-09 1	50-751-26-71 1	1
50-751-26-09 1	50-751-26-71 1	1


Primary Reconstruction (non-bridging)

Description	Item No.	STERILE	R
 = 2.5 mm	Reconstruction plate, preshaped	right	50-756-26-09 1 50-756-26-71 1
	in combination with 2.0-/2.3-mm locking or non-locking screws	left	50-757-26-09 1 50-757-26-71 1

Templates

Item No.	STERILE	R
50-751-26-09 1	50-751-26-71 1	1
50-751-26-09 1	50-751-26-71 1	1

Secondary Reconstruction (bridging)

Description	Item No.	STERILE	R
 = 3.0 mm	Reconstruction plate, preshaped	right	50-758-26-09 1 50-758-26-71 1
	in combination with 2.7-mm locking or non-locking screws	left	50-759-26-09 1 50-759-26-71 1

Templates

Item No.	STERILE	R
50-753-26-09 1	50-753-26-71 1	1
50-753-26-09 1	50-753-26-71 1	1




Description	Item No.
Free storage module, 15 x 30 cm	55-964-15-04
Lid	55-963-24-04
Silicone mat	55-969-94-04



New








Explanation of icons

-  Pure Titanium
-  Packaging unit
-  Plate profile





STERILE R Sterile packed implants

The plates are available in three different sizes:

Primary Reconstruction (non-bridging)






Description		Item No.		STERILE R
 = 2.8 mm	Reconstruction plate, preshaped, small	right	50-746-22-09	 50-746-22-71 
	in combination with 2.0-/2.3-mm locking or non-locking screws	left	50-747-22-09	 50-747-22-71 

Size





Item No.	Item No.
50-746-02-09 	50-747-72-04 
50-747-02-09 	50-747-72-04 

Templates

Primary Reconstruction (non-bridging)






Description		Item No.		STERILE R
 = 2.8 mm	Reconstruction plate, preshaped, medium	right	50-746-23-09	 50-746-23-71 
	in combination with 2.0-/2.3-mm locking or non-locking screws	left	50-747-23-09	 50-747-23-71 

Size





Item No.	Item No.
50-746-03-09 	50-747-73-04 
50-747-03-09 	50-747-73-04 

Templates

Primary Reconstruction (non-bridging)

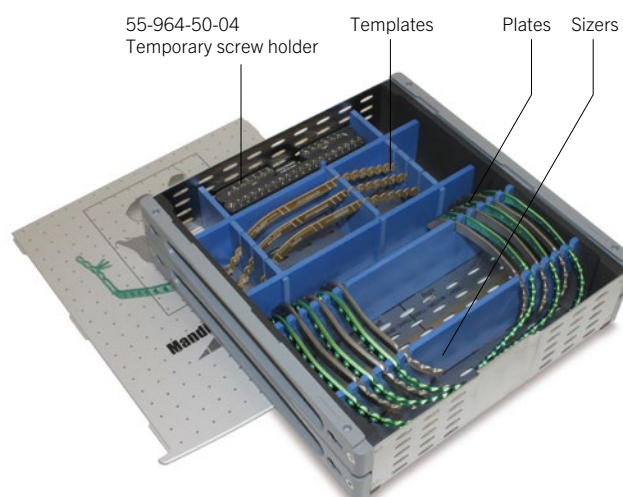
Description		Item No.		STERILE R
 = 2.8 mm	Reconstruction plate, preshaped, large	right	50-746-24-09	 50-746-24-71 
	in combination with 2.0-/2.3-mm locking or non-locking screws	left	50-747-24-09	 50-747-24-71 

Size

Item No.	Item No.
50-746-04-09 	50-747-74-04 
50-747-04-09 	50-747-74-04 

Templates

Description	Item No.
2.8-mm Smart Recon Plate module with lid, 30 x 30 cm	55-962-40-04
Temporary screw holder	55-964-50-04



KLS Martin Group

KLS Martin Australia Pty Ltd.

Sydney · Australia
Tel. +61 2 9439 5316
australia@klsmartin.com

KLS Martin do Brasil Ltda.

São Paulo · Brazil
Tel. +55 11 3554 2299
brazil@klsmartin.com

**KLS Martin Medical (Shanghai)
International Trading Co. Ltd.**

Shanghai · China
Tel. +86 21 5820 6251
china@klsmartin.com

KLS Martin India Pvt Ltd.

Chennai · India
Tel. +91 44 66 442 300
india@klsmartin.com

Martin Italia S.r.l.

Milan · Italy
Tel. +39 039 605 67 31
italia@klsmartin.com

Nippon Martin K.K.

Tokyo · Japan
Tel. +81 3 3814 1431
nippon@klsmartin.com

KLS Martin SE Asia Sdn. Bhd.

Penang · Malaysia
Tel. +604 505 7838
malaysia@klsmartin.com

Martin Nederland/Marned B.V.

Huizen · The Netherlands
Tel. +31 35 523 45 38
nederland@klsmartin.com

Gebrüder Martin GmbH & Co. KG

Moscow · Russia
Tel. +7 499 792-76-19
russia@klsmartin.com

Gebrüder Martin GmbH & Co. KG

Dubai · United Arab Emirates
Tel. +971 4 454 16 55
middleeast@klsmartin.com

KLS Martin UK Ltd.

London · United Kingdom
Tel. +44 1189 000 570
uk@klsmartin.com

KLS Martin LP

Jacksonville · Florida, USA
Tel. +1 904 641 77 46
usa@klsmartin.com

Gebrüder Martin GmbH & Co. KG**A company of the KLS Martin Group**

KLS Martin Platz 1 · 78532 Tuttlingen · Germany
P.O. Box 60 · 78501 Tuttlingen · Germany
Tel. +49 7461 706-0 · Fax +49 7461 706-193
info@klsmartin.com · www.klsmartin.com

