“NEWMALLE”

Anatomic Ankle Locking Plate & Screw System

- Fibular Locking Plate, Lateral (Lt, Rt)
- Fibular Locking Plate, Posterior (Lt, Rt)
- Distal Tibia Locking Plate, Anterior (Lt, Rt)
- Distal Tibia Locking Plate, Posterior (Lt, Rt)
- Distal Tibia Locking Plate, Medial
- Distal Tibia Locking Plate, Medial, Hook
- Variable Locking Calcaneus Plate (50, 60, 70mm)
- 2.7mm Locking Screw, Lt Blue
- 2.7mm Cortical Screw, Low Profile Head
- 3.5mm Locking Screw, Gold
- 3.5mm Cortical Screw

TDM

TDM - TRAUMA

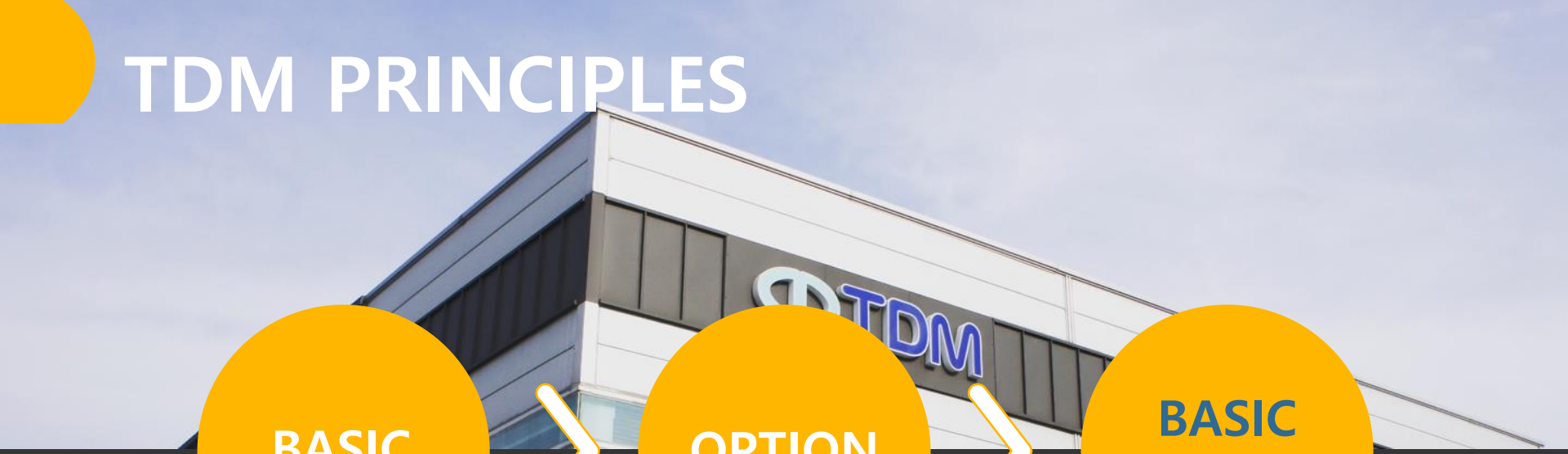
NEWMALLE

TDM

Contents

NEWMALLE

TDM PRINCIPLES



BASIC › **OPTION** › **BASIC PLUS ONE**

It has already been more than a decade since the company was founded to become a leading company for fracture treatment.
While keeping the basics, all employees have worked together and have been quick to reflect customers' needs.

The constant dedication and efforts of physicians for patients always present us with new challenges.

TDM knows that these challenges are none other than the minds of doctors for patients.

To know this, we wanted to reflect customer requests into our products and services as much as possible, and we will continue to do so in the future.

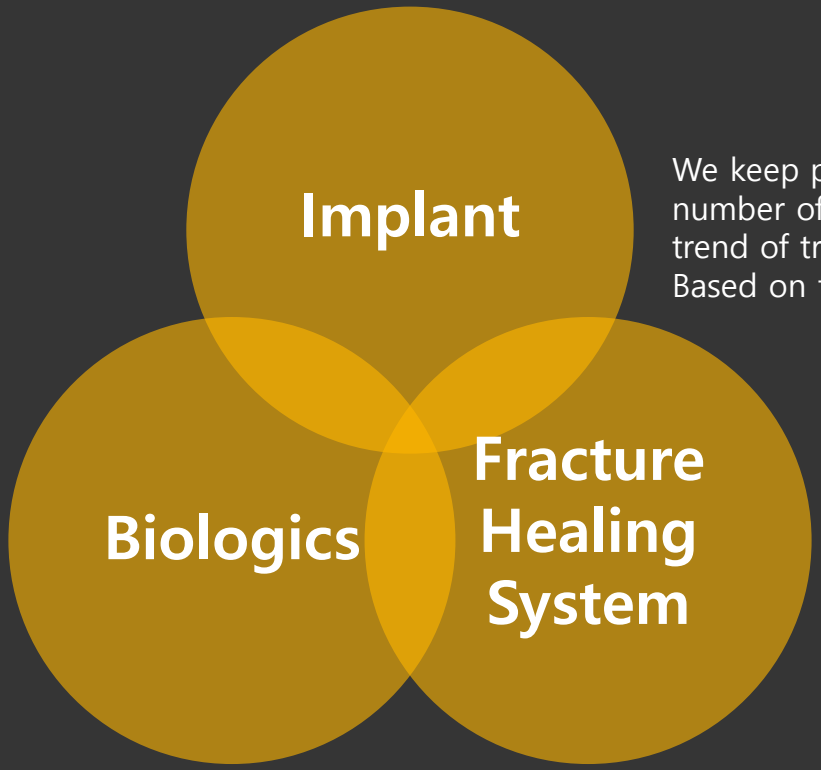
"TDM Principle is simple.

Basic Plus One.

That **ONE** for the **patients**."

TDM Fracture Treatment Solution

An increase in osteoporosis patients in the elderly and a fracture caused by sports activities in the younger population means a rise in fractures with bone defects.



We keep pace with the growing number of elderly patients and the trend of trauma from sports activities. Based on the Basic plus one principle.

We approach patients systematically for their quick return to daily life.

Variable Locking Foot Plate & Screw Developing Background

Surgeon's Demand

Design for accurate reconstruction and keep the anatomic shape for the healing period.

For the patients

Minimize discomfort of patients during treatment.

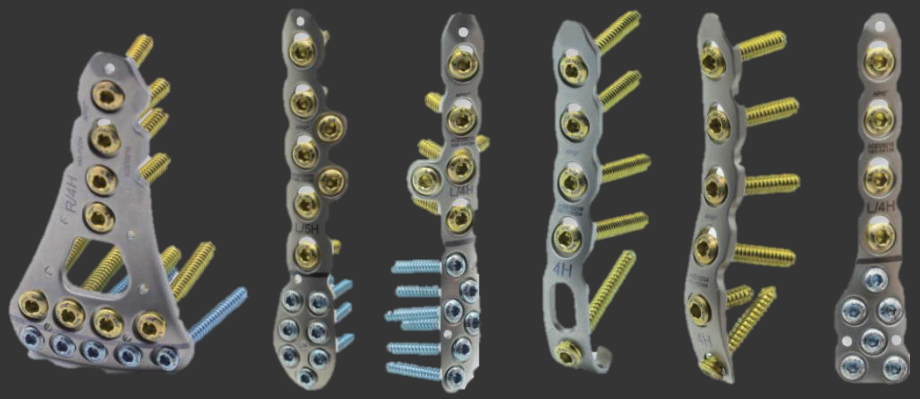
TDM R&D

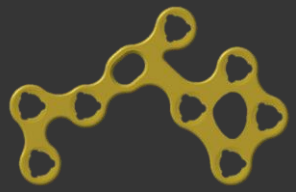
It will be as thin and structurally rigid as possible, while at the same time being able to make various attempts.

"NEWMALLE"

- EXTREME THIN
- ANATOMICALLY SHAPED
- SYNDESMOSIS HOLES
- LOCKING PLATE SYSTEM

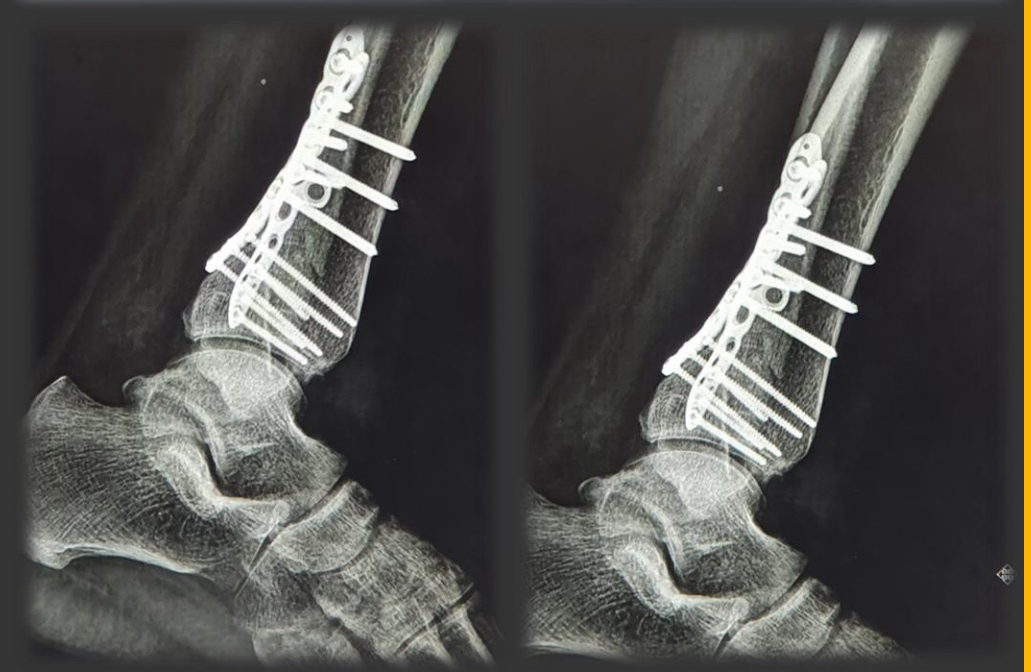
KEY Features:





Product Features

- Anatomical Fit
- Variety of designs according to the bone anatomy and fracture type: 6 type plates
- Optimal fracture fixation of Trimalleolar , Tibia And Fibular Fractures
- Syndesmosis Holes repairs a high ankle sprain and provides stabilization of a fibular fractures.
- Locking and Combi hole options
- Low-profile Plates creates minimum irritation
- Applicable for Osteotomies and Nonunions



Surgical Technique Guide

TDM as the manufacturer of this device, does not practice medicine and does not recommend this or any other surgical technique for use on a specific patient. The surgeon who performs any implant procedure is responsible for determining and using the appropriate techniques for implanting the device in each patient.

Surgical Tech. Newmalle – Fibular Locking Plate

01

Preparation

Place the patient in a supine position with an ipsilateral pelvic sandbag or in a mid-lateral position.

Using a lateral approach, make a straight incision to enable the best view of the lateral talar and calcaneal walls, mobilizing the peroneal tendons. (Figure 1)

An appropriate size of the plate is selected from the system.

As the plate is positioned, place the plate on the bone directly or fixate the plate position with a Guide Pin. (Figure 2)

Figure 1

Figure 2

Surgical Tech. Newmalle – Fibular Locking Plate

02

Preparation

Attach the Drilling Block onto the plate. (Figure3)

Drill the screw hole through Ø2.0 Locking Drill Sleeve by using Ø2.0mm Drill bit. (Figure 4)

Figure 3

Figure 4

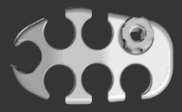
Note:

An alternative option for **Ø2.0mm** Locking Drill Sleeve Ø2.0mm is **Ø2.0mm** Drill Sleeve Single handle.

Instruments

Drill Bit
901-01220 Ø 2.0mm x 130mm

Drilling Block, Fibular, Lateral
Left 901-20268
Right 901-20269



Locking Drill Sleeve, Single Hand
901-02220, Ø2.0mm

Locking Drill Sleeve
901-12520, Ø2.0x60mm

Surgical Tech. – Fibular Locking Plate

03

Placement

Measure and determine the screw length for the distal and the shaft parts with a depth gauge. (Figure 5)

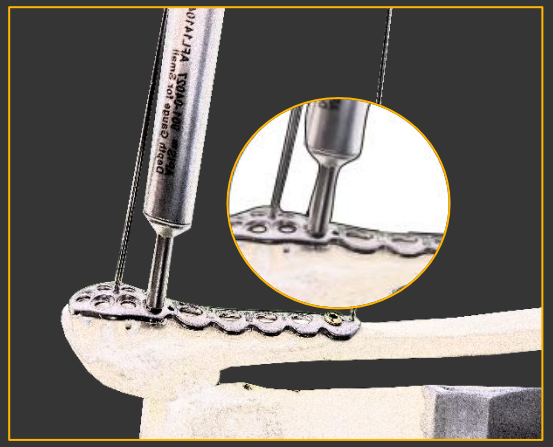


Figure 5

Instrument

Depth Gauge 2.7/3.5/4.0
901-04027

Surgical Tech. – Fibular Locking Plate

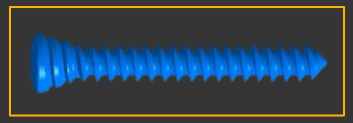
04

Depth and Screw insertion

Select and pick up a corresponding screw from the measuremen.t

Insert the screw by using a corresponding size of the screwdriver.
-2.7mm Locking Screw for the Distal part.
-3.5mm Screw for the Shaft part.
(Figure 7, 8)

Note:
[Checking Reduction and Fixation]
An intraoperative radiograph is recommended to check the position of the screws and the final reduction of the fracture.



2.7 Locking Screw

3.5 Locking Screw

Instrument

Screwdriver, Holding

901-35020, Hex. 2.0mm

901-35025, Hex. 2.5mm

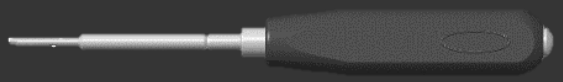


Figure 7

Figure 8

Ordering Information, Implant

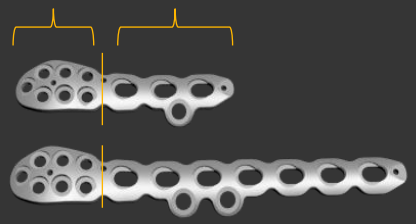
NEWMALLE Plate, Fibular

Fibular Locking Plate, Lateral

166-13103 Lt/3H
166-13104 Lt/4H
166-13105 Lt/5H
166-13107 Lt/7H

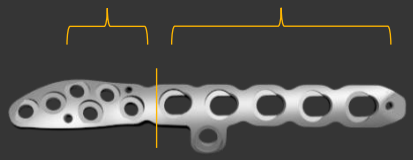
166-13203 Rt/3H
166-13204 Rt/4H
166-13205 Rt/5H
166-13207 Rt/7H

2.7mm / 3.5mm Screw (Hole)



Fibular Locking Plate, Lateral

2.7mm / 3.5mm Screw (Hole)



Fibular Locking Plate, Posterior

Fibular Locking Plate, Posterior

166-14103 Lt/3H
166-14104 Lt/4H
166-14105 Lt/5H

166-14203 Lt/3H
166-14204 Lt/4H
166-14205 Lt/5H

Ordering Information, Implant

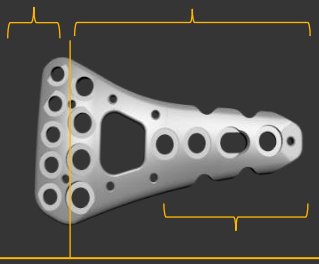
NEWMALLE Plate, Distal Tibia

Distal Tibia Locking Plate, Anterior

160-11103 Lt/3H
160-11104 Lt/4H
160-11105 Lt/5H
160-11106 Lt/6H

160-11203 Rt/3H
160-11204 Rt/4H
160-11205 Rt/5H
160-11206 Rt/6H

2.7mm/ 3.5mm Screw



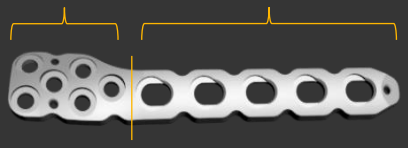
Hole

Distal Tibia Locking Plate, Posterior

161-14103 Lt/3H
161-14104 Lt/4H
161-14105 Lt/5H
161-14106 Lt/6H

161-14203 Rt/3H
161-14204 Rt/4H
161-14205 Rt/5H
161-14206 Rt/6H

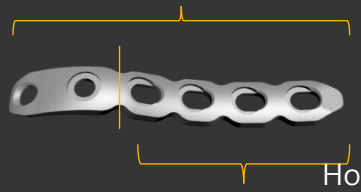
2.7mm / 3.5mm Screw (Hole)



Distal Tibia Locking Plate, Medial & Medial Hook

161-15003 3H
161-15004 4H

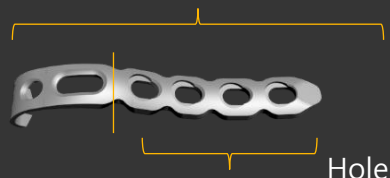
3.5mm Screw



Hole

161-16003 3H
161-16004 4H

3.5mm Screw



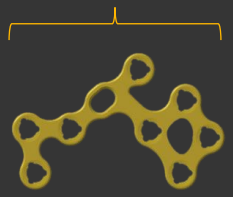
Hole

Ordering Information, Implant

NEWMALLE Plate, Calcaneus

Variable Locking Calcaneus

144-11050 50mm
144-11060 60mm
144-11070 70mm



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Ordering Information, Implant

2.7mm Screw (2.0 Hex)

2.7mm Locking Screw, Lt Blue

227-26010 10mm
227-26012 12mm
227-26014 14mm
227-26016 16mm
227-26018 18mm
227-26020 20mm
227-26022 22mm
227-26024 24mm
227-26026 26mm
227-26028 28mm
227-26030 30mm
227-26032 32mm
227-26034 34mm
227-26036 36mm
227-26038 38mm
227-26040 40mm

2.7mm Cortical Screw, Low Profile Head

227-27010 10mm
227-27012 12mm
227-27014 14mm
227-27016 16mm
227-27018 18mm
227-27020 20mm
227-27022 22mm
227-27024 24mm
227-27026 26mm
227-27028 28mm
227-27030 30mm
227-27032 32mm
227-27034 34mm
227-27036 36mm
227-27038 38mm
227-27040 40mm

Ordering Information, Implant

3.5mm Screw (2.5 Hex)

3.5mm Locking Screw, Gold

235-26010 10mm
235-26012 12mm
235-26014 14mm
235-26016 16mm
235-26018 18mm
235-26020 20mm
235-26022 22mm
235-26024 24mm
235-26026 26mm
235-26028 28mm
235-26030 30mm
235-26032 32mm
235-26034 34mm
235-26036 36mm
235-26038 38mm
235-26040 40mm
235-26045 45mm Option
235-26050 50mm Option

3.5mm Cortical Screw

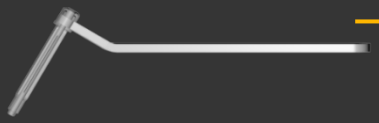
235-21010 10mm
235-21012 12mm
235-21014 14mm
235-21016 16mm
235-21018 18mm
235-21020 20mm
235-21022 22mm
235-21024 24mm
235-21026 26mm
235-21028 28mm
235-21030 30mm
235-21032 32mm
235-21034 34mm
235-21036 36mm
235-21038 38mm
235-21040 40mm
235-21045 45mm Option
235-21050 50mm Option
235-21055 55mm Option
235-21060 60mm Option

Ordering Information, Instrument

Drill Bit
901-01220, Ø 2.0 x 130mm
901-01125, Ø 2.5 x 130mm / Option
901-22127, Ø 2.7 x 130mm
901-22135, Ø 3.5 x 160mm / Option

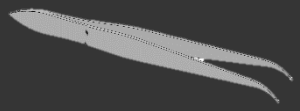
Locking Drill Sleeve
901-12520, Ø2.0x60mm
901-12527, Ø2.7x60mm
901-12220, 2.0x60mm / Option
901-12227, 2.7x60mm / Option

Locking Drill Sleeve, Single Handle
901-02220, Ø2.0mm
901-02227, Ø2.7mm
901-13325, Ø2.5mm / Option
901-13335, Ø3.5mm / Option



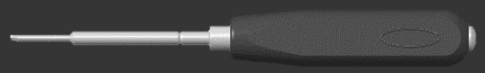
Depth Gauge
901-04027 2.7/3.5/4.0mm

Holding Forcep / Option
901-08001



Drill Bit, AO Chuck / Option
901-31120 Ø2.0x 130mm
901-31025, Ø2.5x130mm
901-31127, Ø2.7x130mm
901-31135, Ø2.7x130mm

Screwdriver, Holding
901-35020, Hex. 2.0mm
901-35025, Hex. 2.5mm



Screwdriver Shaft, Holding
901-15420 Hex 2.0mm/Small Chuck
901-15425 Hex 2.5mm/Small Chuck

Torque Limit Handle
901-17008, 0.8Nm / Small Chuck
901-17015, 1.5Nm / Small Chuck

Bender
901-06035, Left
901-06036, Right

Ordering Information, Instrument

Drilling Block, Fibular, Lateral, Left
901-20268

Drilling Block, Fibular, Posterior, Left
901-21268

Drilling Block, Distal Tibia, Anterior, Left
901-22268

Drilling Block, Distal Tibia, Lateral, Left
901-23268

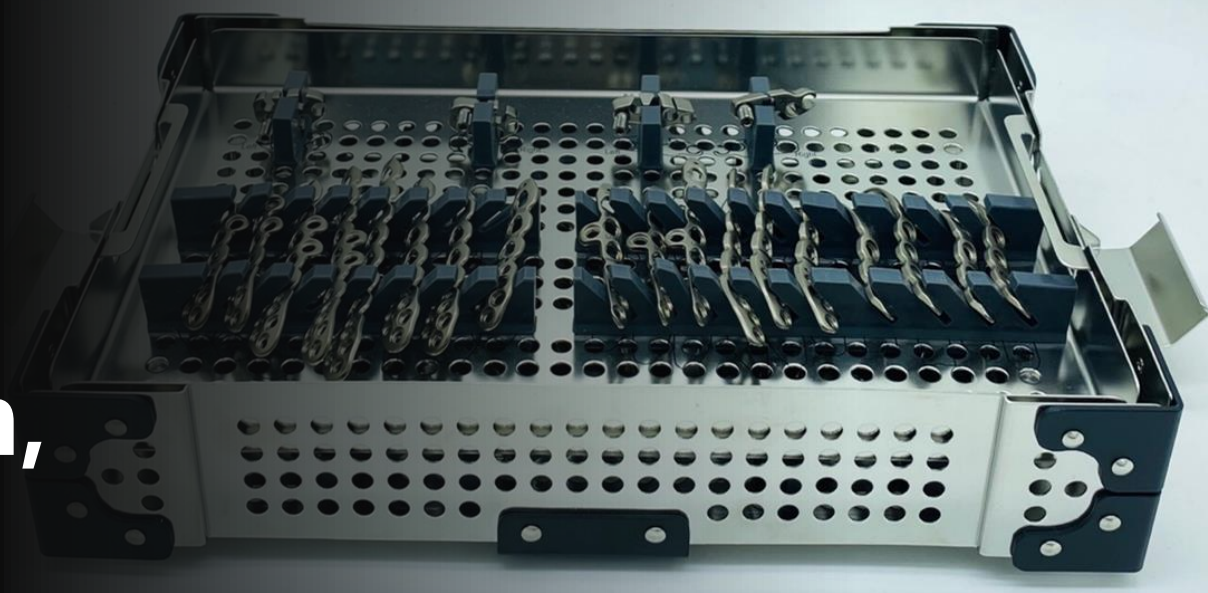
Drilling Block, Fibular, Lateral, Right
901-20269

Drilling Block, Fibular, Posterior, Right
901-21269

Drilling Block, Distal Tibia, Anterior, Right
901-22269

Drilling Block, Distal Tibia, Lateral, Right
901-23269

Ordering Information, Tray



Container for Ankle Locking Implants

Outer Cover 999103-0001S

Outer Body 999103-0002S

Plate Rack 999103-0003S

* In this container, there are plates & corresponding Drilling Blocks

Trifix Universal Screw & Instruments

Universal Container

Outer Cover 901-99301S

Outer Body 901-99302S

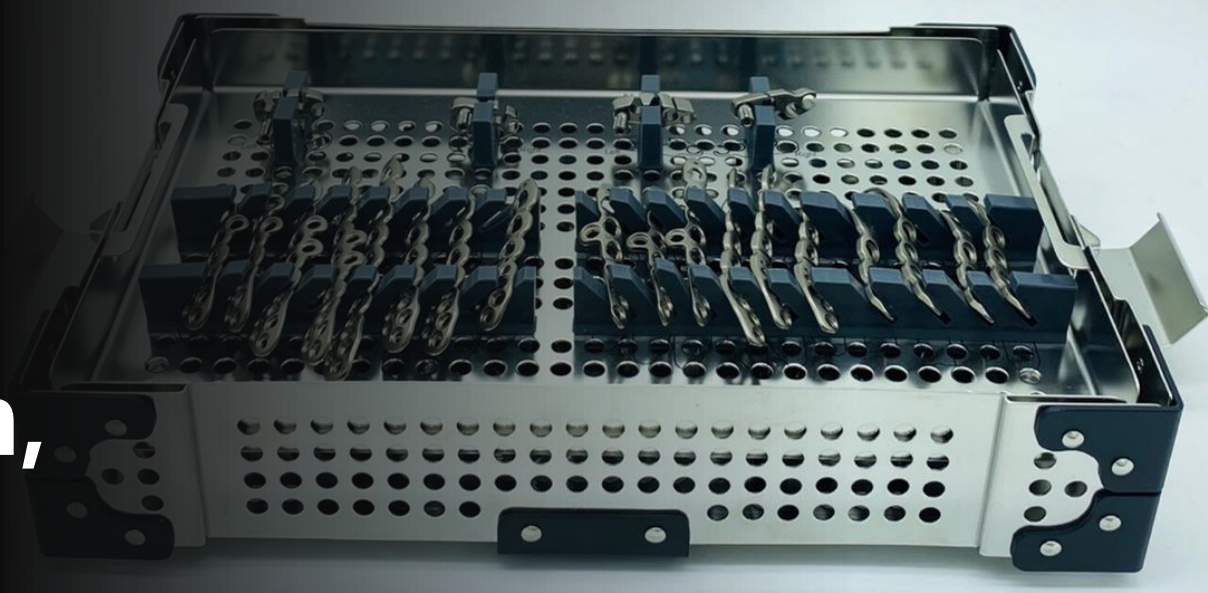
Outer Cover 901-99306S

Outer Cover 901-99307A

Outer Cover 901-99308S

* In this container, there are screws & corresponding instruments.

Ordering Information, Tray



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Outer Body 901-99302S

Outer Cover 901-99306S

Outer Cover 901-99307A

Outer Cover 901-99308S

* In this container, there are screws & corresponding instruments.

Ordering Information, Other Products

1.0mm Mini Cable System

It is designed to be easy to use but also to function when necessary.
It can be applied to a variety of areas. **Hand, Foot, Clavicle, Fibular, Ulna, Patella...**
Not only is it used alone, but it can also be used in conjunction with a variety of plates to produce the optimum effect.

Headless Compression Cannulated System (HCC)

Designed to minimize soft tissue irritation through Headless Fixation
Compression achieved along the length of the screw due to its continuously Self-Cutting , Self-tapping, Helical Relief Flutes
The opposing surface thread design optimizes compression toward the fracture/osteotomy
Available in 2.3/3.5, 3.0/4.0, 3.5/5.0mm screw diameters

Threaded Lock Pin System, K-Wire, Steinman Pin and Suture Wire

TDM is providing basic and diverse products for fracture treatment.

"NEWMALLE"

TDM

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