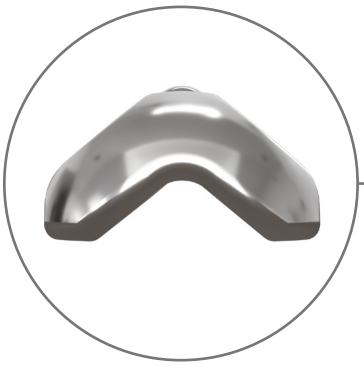
OsteoCentric®

Unifi*MI*® TCS Plating System

Surgical Technique



Compact plate features a triangular cross-sectional geometry for reinforced structural integrity

OsteoCentric® TECHNOLOGIES

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Introduction

The Unifi*MI*® TCS Plating System provides low-profile, small footprint, high-strength triangular cross section and features Unifi*MI* MIS Bone Preservation Technology for optimal fixation and construct stability. It serves as a supplemental set to OsteoCentric's Small Fragment System.

Indications for Use

The OsteoCentric Trauma Bone Plate and Screw System is intended for fixation of fractures, osteotomies, and non-unions of the clavicle, scapula, olecranon, humerus, radius, ulna, pelvis, tibia, and fibula, including, periarticular and intraarticular fractures.

Contraindications

The physician's education, training, and professional judgment are necessary to determine the appropriate treatment protocol and patient selection. Contraindications may be relative to each patient, and clinicians should always consider all risks and possible reactions when considering the proper treatment protocol.

Specific contraindications include:

- Active or latent infection
- Insufficient quantity or quality of bone/soft tissue
- Material sensitivity – If suspected, tests should be performed prior to implantation.
- Sepsis
- Patients who are unwilling or incapable of following postoperative care instructions.
- Spinal fixation – This device is not intended for screw attachment or fixation to the posterior elements (pedicles) of the cervical, thoracic, or lumbar spine.

Features & Benefits

Unifi*MI*® TCS plates with:

- 2.7mm locking/non-locking fasteners
- Compact plate features a triangular cross-sectional geometry for reinforced structural integrity
- Engineered and optimized for strength and adaptability, providing secure fixation
- The plate geometry enhances torsional rigidity while minimizing the implant's profile, and the broad base distributes stress evenly across the bone interface.
- Available with 4, 6, 8, 10, 14, 18, and 20 holes
- Plates and fasteners are manufactured from stainless steel

Note: Use of the TCS plate in patients with inadequate (thin and/or reduced) soft tissue coverage over the operative site, including areas in the clavicle, foot, and ankle, may not be appropriate due to risk of prominence that can lead to risks of soft tissue irritation/inflammation, tendon rupture/irritation, skin breakdown/protrusion and infection.

The surgeon must select the type and size of the implant that best meets the patient's surgical needs. Refer to the Instructions for Use for indications, contraindications, precautions, warnings and cleaning instructions.

To obtain these materials or more information about these products, please contact Customer Service at 1-800-969-0639.

Surgical Technique

Preoperative Preparation

Prior to surgery, ensure that both instrument sets are complete and appropriate implant sizes are available.

- OsteoCentric Small Fragment Set
- Unifi*MI*® TCS Plating Set

Unifi*MI*® TCS Plate Technique

The Unifi*MI*® TCS Plate is implanted using the techniques outlined in the Small Fragment System.

Exposure: Use preferred approach and technique to expose the surgical site.

Fracture Reduction & Plate Placement: Reduce and stabilize the fracture with the reduction forceps provided from the OsteoCentric 2.7/3.5 Small Fragment System. Use fluoroscopy to confirm anatomic reduction.

If bending is needed, use the two Bending Iron TCS to customize the plate contour.

Bone Preparation: Thread one or more locking drill guides into the plate.

Drill 2.0mm pilot holes using the 2.0mm calibrated drill bit (326-0001) through a locking drill guide. Determine the required length of the fastener by using the scale on the locking drill guide (326-0003).

Or measure for proper fastener length using the depth gauge provided in the Small Fragment system (110205).

Select the appropriate fastener diameter and length.

Insert the fastener using the T8 Star Driver driver (326-0002).

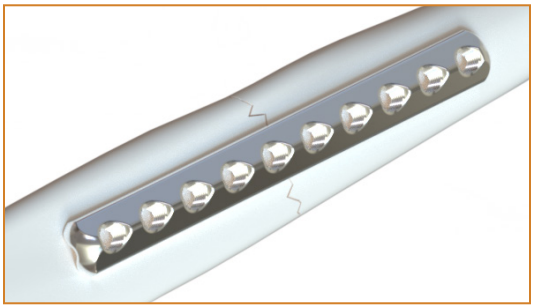
Surgical Note: For additional compression at the fracture site, lag screw technique can be used by over drilling the near cortex with the 2.7mm Drill Bit (110-016).

Repeat the process until the plate/plates are properly seated.

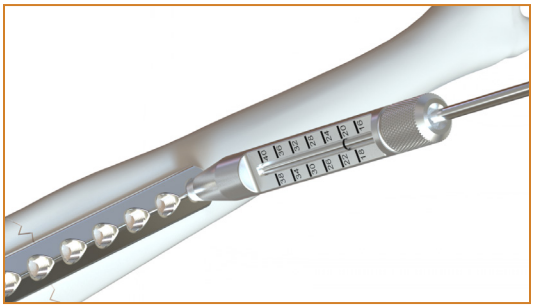
Note: If during any fastener insertion technique excessive insertion torque is encountered, it is highly recommended to remove the fastener and utilize the correctly sized tap to prepare the bone for fastener insertion.

Utilize From the Small Fragment System:

- 110422 2.7mm Screw Fastener Tap 110mm

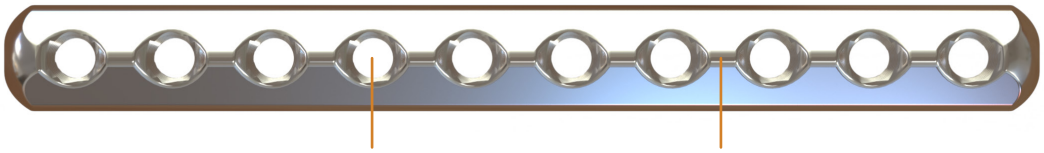








*Only select fastener sizes are found in the Unifi*MI*® TCS Plating System. Additional fastener sizes are found in the Small Fragment System.



Implants & Instruments

Complete list of implants and instruments in the Unifi*MI*® TCS Plating Set (supplementary to OsteoCentric's Small Fragment System).

Part #	Description	Set Qty	Length
326-27104	Plate 2.7mm TCS, 4 Hole	2	31mm
326-27106	Plate 2.7mm TCS, 6 Hole	2	45mm
326-27108	Plate 2.7mm TCS, 8 Hole	2	59mm
326-27110	Plate 2.7mm TCS, 10 Hole	2	73mm
326-27114	Plate 2.7mm TCS, 14 Hole	2	101mm
326-27118	Plate 2.7mm TCS, 18 Hole	2	129mm
326-27120	Plate 2.7mm TCS, 20 Hole	2	143mm
327-6012	2.7 Locking Fastener, Self Tap 12mm	5	12mm
327-6014	2.7 Locking Fastener, Self Tap 14mm	5	14mm
327-6016	2.7 Locking Fastener, Self Tap 16mm	5	16mm
327-6018	2.7 Locking Fastener, Self Tap 18mm	5	18mm
327-6020	2.7 Locking Fastener, Self Tap 20mm	5	20mm
327-6022	2.7 Locking Fastener, Self Tap 22mm	5	22mm
327-6024	2.7 Locking Fastener, Self Tap 24mm	5	24mm
327-6026	2.7 Locking Fastener, Self Tap 26mm	5	26mm
327-6028	2.7 Locking Fastener, Self Tap 28mm	5	28mm
327-6030	2.7 Locking Fastener, Self Tap 30mm	5	30mm
327-6032	2.7 Locking Fastener, Self Tap 32mm	5	32mm
327-6034	2.7 Locking Fastener, Self Tap 34mm	5	34mm
327-6036	2.7 Locking Fastener, Self Tap 36mm	5	36mm
326-0001	Drill Bit Calibrated 2.0mm	2	
326-0002	Hexalobe Driver T8 Tapered TCS AO	2	
326-0003	Drill Guide Locking 2.7mm	2	
326-0004	Bending Iron TCS	2	
326-90002	Outer Case TCS Plating System	1	
326-90003	Lid TCS Plating System	1	
326-90004	Caddy Fasteners TCS Plating System	1	

Additional Information

To learn more about the full line of innovative OsteoCentric Technologies surgical solutions, please contact us by calling 1-800-969-0639 or visiting our website at OsteoCentric.com

Manufactured By OsteoCentric Trauma, 75 West 300 North Suite 150, Logan, UT 84321, 1-800-969-0639

Note

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OsteoCentric® TECHNOLOGIES

UnifiMI™ An OsteoCentric Technology

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