



Introduction

The Mikron Mini Plating System 1.5, 2.0, 2.5 and 2.7 mm consists of titanium locking plate, low profile plates paired with screw options for both small and long bone applications.

Plate design

The Mikrom Msfx Plating System provides unique plate geometries for both small and long bone anatomy. Plates in varying lengths and geometries address a multitude of trauma applications.

- Tine plates are designed specifically to engage bone fragments for fragment manipulation.
- Strength Plates provide a thicker and more stable option compared to the Flex and Tine Plates.
- Flex Plates can be contoured in three planes to address variable anatomy.

Low profile



The plates are designed to ensure low profile fixation in areas of minimal soft-tissue coverage. Additionally, the screws in the system feature a flat head to sit flush when used independently or through a plate.

Indications

The Mikrom Mini Plating System is indicated for adolescent (12 – 18 years) and transitional adolescent (18 – 21 years) subpopulations and adults, as well as patients with osteopenic bone.

The Mikrom Mini Plating System is indicated for fracture fixation, arthrodesis, reconstruction, replantation or reduction of small bones and small bone fragments. This system is also indicated for non-load bearing stabilization and reduction of bone fragments in long bones.



1,5 mm Hand / Foot Mini Locking Plate Series

1,5 Mini Locking Straight Plate

| Code | Holes | Side | Thickness |
|--------------|-------|------|-----------|
| MX1051001501 | 4 | - | 1,2 |
| MX1051001502 | 6 | - | 1,2 |
| MX1051001503 | 6 | - | 1,2 |
| MX1051001504 | 12 | - | 1,2 |



Locking Self Tapping Screw 1,5 mm

| Code | Size |
|--------------|-------|
| MX3001001506 | 6 mm |
| MX3001001507 | 7 mm |
| MX3001001508 | 8 mm |
| MX3001001509 | 9 mm |
| MX3001001510 | 10 mm |
| MX3001001511 | 11 mm |
| MX3001001512 | 12 mm |
| MX3001001513 | 13 mm |
| MX3001001514 | 14 mm |
| MX3001001515 | 15 mm |
| MX3001001516 | 16 mm |
| MX3001001517 | 17 mm |
| MX3001001518 | 18 mm |
| MX3001001519 | 19 mm |
| MX3001001520 | 20 mm |
| MX3001001522 | 22 mm |
| MX3001001524 | 24 mm |
| MX3001001526 | 26 mm |
| MX3001001528 | 28 mm |
| MX3001001530 | 30 mm |



1,5 Mini Locking H Plate

| Code | Holes | Side | Thickness |
|--------------|-------|------|-----------|
| MX1052001501 | 8 | - | 0,8 |

1,5 Mini Locking Y Plate

| Code | Holes | Side | Thickness |
|--------------|-------|------|-----------|
| MX1051001509 | 4 | - | 1,2 |
| MX1051001510 | 8 | - | 1,2 |



1,5 Mini Locking Condylar Plate

| Code | Holes | Side | Thickness |
|--------------|-------|------|-----------|
| MX1051001511 | 4 | - | 1,2 |
| MX1051001512 | 8 | - | 1,2 |



1,5 Mini Locking T Plate Head 2 Holes

| Code | Holes | Side | Thickness |
|--------------|-------|------|-----------|
| MX1051001505 | 4 | - | 1,2 |
| MX1051001506 | 8 | - | 1,2 |



Cortical Self Tapping Screw 1,5 mm

| Code | Size |
|--------------|-------|
| MX3002001506 | 6 mm |
| MX3002001507 | 7 mm |
| MX3002001508 | 8 mm |
| MX3002001509 | 9 mm |
| MX3002001510 | 10 mm |
| MX3002001511 | 11 mm |
| MX3002001512 | 12 mm |
| MX3002001513 | 13 mm |
| MX3002001514 | 14 mm |
| MX3002001515 | 15 mm |
| MX3002001516 | 16 mm |
| MX3002001517 | 17 mm |
| MX3002001518 | 18 mm |
| MX3002001519 | 19 mm |
| MX3002001520 | 20 mm |
| MX3002001522 | 22 mm |
| MX3002001524 | 24 mm |
| MX3002001526 | 26 mm |
| MX3002001528 | 28 mm |
| MX3002001530 | 30 mm |

1,5 Mini Locking T Plate Head 3 Holes

| Code | Holes | Side | Thickness |
|--------------|-------|------|-----------|
| MX1051001507 | 4 | - | 1,2 |
| MX1051001508 | 8 | - | 1,2 |



1,5 Mini Locking T Plate Head 4 Holes

| Code | Holes | Side | Thickness |
|--------------|-------|------|-----------|
| MX1051002407 | 6 | - | 1,0 |



1,5 Mini Non-Locking Strut Plate

| Code | Holes | Side | Thickness |
|--------------|-------|------|-----------|
| MX1051021513 | 8 | R | 0,8 |
| MX1051021514 | 8 | L | 0,8 |



1,5 Mini Non-locking Mallet Finger Plate

| Code | Holes | Side | Thickness |
|--------------|-------|------|-----------|
| MX1052001500 | 2 | - | 0,8 |



1,5 Mini Non-Locking Straight Plate

| Code | Holes | Side | Thickness |
|--------------|-------|------|-----------|
| MX1052001502 | 14 | - | 0,8 |



1,5 Mini Non-Locking T Plate

| Code | Holes | Side | Thickness |
|--------------|-------|------|-----------|
| MX1051002406 | 6 | - | 0,8 |



Indications

Fracture fixation of the phalanges and metacarpals Osteotomies, Arthrodeses, Replantations and reconstructions of phalanges and metacarpals, particularly in osteopenic bone

Mini Plate Set Hand/Foot plate
Intended Use : 1.5 mm mini locking plates are intended for temporary fixation, correction or stabilization of bones in anatomical region of the hand.



2,0 mm Hand / Foot Mini Locking Plate Series

2.0 Mini Locking Straight Plate

| Code | Holes | Side | Thickness |
|--------------|-------|------|-----------|
| MX1051002000 | 4 | - | 1,5 |
| MX1051002001 | 5 | - | 1,5 |
| MX1051002002 | 6 | - | 1,5 |
| MX1051002003 | 7 | - | 1,5 |
| MX1051002004 | 8 | - | 1,5 |



2,0 Mini Locking Condylar Plate

| Code | Holes | Side | Thickness |
|--------------|-------|------|-----------|
| MX1051002013 | 3 | - | 1,2 |
| MX1051002014 | 5 | - | 1,2 |
| MX1051002015 | 7 | - | 1,2 |



2.0 Mini Adaptation T Plate

| Code | Holes | Side | Thickness |
|--------------|-------|------|-----------|
| MX1051002016 | 3 | - | 1,2 |
| MX1051002017 | 5 | - | 1,2 |
| MX1051002018 | 7 | - | 1,2 |



2,0 Mini Locking T Plate Head 2 Holes

| Code | Holes | Side | Thickness |
|--------------|-------|------|-----------|
| MX1051002007 | 3 | - | 1,2 |
| MX1051002008 | 5 | - | 1,2 |
| MX1051002009 | 7 | - | 1,2 |



2,0 Mini Locking Y Plate Head 3 Holes

| Code | Holes | Side | Thickness |
|--------------|-------|------|-----------|
| MX1051002010 | 3 | - | 1,2 |
| MX1051002011 | 5 | - | 1,2 |
| MX1051002012 | 7 | - | 1,2 |



2.0 Mini Adaptation Straight Plate

| Code | Holes | Side | Thickness |
|--------------|-------|------|-----------|
| MX1051002005 | 6 | - | 1,2 |
| MX1051002006 | 12 | - | 1,2 |



Locking Self Tapping Screw 2,0 mm

| Code | Size |
|--------------|-------|
| MX3001002006 | 6 mm |
| MX3001002007 | 7 mm |
| MX3001002008 | 8 mm |
| MX3001002009 | 9 mm |
| MX3001002010 | 10 mm |
| MX3001002011 | 11 mm |
| MX3001002012 | 12 mm |
| MX3001002013 | 13 mm |
| MX3001002014 | 14 mm |
| MX3001002015 | 15 mm |
| MX3001002016 | 16 mm |
| MX3001002017 | 17 mm |
| MX3001002018 | 18 mm |
| MX3001002019 | 19 mm |
| MX3001002020 | 20 mm |
| MX3001002022 | 22 mm |
| MX3001002024 | 24 mm |
| MX3001002026 | 26 mm |
| MX3001002028 | 28 mm |
| MX3001002030 | 30 mm |



Cortical Self Tapping Screw 2,0 mm

| Code | Size |
|--------------|-------|
| MX3002002006 | 6 mm |
| MX3002002007 | 7 mm |
| MX3002002008 | 8 mm |
| MX3002002009 | 9 mm |
| MX3002002010 | 10 mm |
| MX3002002011 | 11 mm |
| MX3002002012 | 12 mm |
| MX3002002013 | 13 mm |
| MX3002002014 | 14 mm |
| MX3002002015 | 15 mm |
| MX3002002016 | 16 mm |
| MX3002002017 | 17 mm |
| MX3002002018 | 18 mm |
| MX3002002019 | 19 mm |
| MX3002002020 | 20 mm |
| MX3002002022 | 22 mm |
| MX3002002024 | 24 mm |
| MX3002002026 | 26 mm |
| MX3002002028 | 28 mm |
| MX3002002030 | 30 mm |



Mini Plate Set Hand/Foot plate
Intended Use : 1.5 mm mini locking plates are intended for temporary fixation, correction or stabilization of bones in anatomical region of the hand.

Indications

Fracture fixation of the phalanges and metacarpals
Osteotomies, Arthrodeses, Replantations and reconstructions of phalanges and metacarpals, particularly in osteopenic bone



2,5 mm Hand / Foot Mini Locking Plate Series

2,5 Mini Locking H Plate

| Code | Holes | Side | Thickness |
|--------------|-------|------|-----------|
| MX1051002517 | 5 | - | 1,5 |
| MX1051002518 | 8 | - | 1,5 |



2,5 Mini Locking T Plate

| Code | Holes | Side | Thickness |
|--------------|-------|------|-----------|
| MX1051002519 | 3 | - | 1,3 |
| MX1051002520 | 5 | - | 1,3 |
| MX1051002521 | 7 | - | 1,3 |

2.5 Mini Locking Straight Plate

| Code | Holes | Side | Thickness |
|--------------|-------|------|-----------|
| MX1051002500 | 4 | - | 2,5 |
| MX1051002501 | 5 | - | 2,5 |
| MX1051002502 | 6 | - | 2,5 |
| MX1051002503 | 7 | - | 2,5 |
| MX1051002504 | 8 | - | 2,5 |
| MX1051002505 | 10 | - | 2,5 |



2,5 Mini Locking T Plate 2 Holes



| Code | Holes | Side | Thickness |
|--------------|-------|------|-----------|
| MX1051002408 | 3 | - | 1,3 |
| MX1051002409 | 5 | - | 1,3 |
| MX1051002410 | 7 | - | 1,3 |

2.5 Mini Locking Straight Plate

| Code | Holes | Side | Thickness |
|--------------|-------|------|-----------|
| MX1051002400 | 4 | - | 2,0 |
| MX1051002401 | 5 | - | 2,0 |
| MX1051002402 | 6 | - | 2,0 |
| MX1051002403 | 7 | - | 2,0 |
| MX1051002404 | 8 | - | 2,0 |
| MX1051002405 | 10 | - | 2,0 |



2,5 Mini Locking T Plate 3 Holes



| Code | Holes | Side | Thickness |
|--------------|-------|------|-----------|
| MX1051002411 | 3 | - | 1,5 |
| MX1051002412 | 5 | - | 1,5 |
| MX1051002413 | 7 | - | 1,5 |

2,5 Mini Locking L Plate

| Code | Holes | Side | Thickness |
|--------------|-------|------|-----------|
| MX1051002421 | 3 | R | 1,5 |
| MX1051002511 | 4 | R | 1,5 |
| MX1051002512 | 3 | L | 1,5 |
| MX1051002513 | 4 | L | 1,5 |



2,5 Mini Locking L Plate Oblique



| Code | Holes | Side | Thickness |
|--------------|-------|------|-----------|
| MX1051002417 | 3 | R | 1,5 |
| MX1051002418 | 4 | R | 1,5 |
| MX1051002419 | 3 | L | 1,5 |
| MX1051002420 | 4 | L | 1,5 |

2,5 Mini Locking Condylar Plate

| Code | Holes | Side | Thickness |
|--------------|-------|------|-----------|
| MX1051002514 | 3 | - | 1,3 |
| MX1051002515 | 5 | - | 1,3 |
| MX1051002516 | 7 | - | 1,3 |



2.5 Mini Adaptation Locking Straight Plate



| Code | Holes | Side | Thickness |
|--------------|-------|------|-----------|
| MX1051002506 | 6 | - | 1,6 |
| MX1051002507 | 12 | - | 1,6 |

2,5 Foot Locking X Plate

| Code | Holes | Size | Thickness |
|--------------|-------|------|-----------|
| MX1051002414 | 4 | S | 1,5 |
| MX1051002415 | 4 | M | 1,5 |
| MX1051002416 | 4 | L | 1,5 |



Locking Self Tapping Screw 2,5 mm



| Code | Size |
|--------------|-------|
| MX3001002506 | 6 mm |
| MX3001002507 | 7 mm |
| MX3001002508 | 8 mm |
| MX3001002509 | 9 mm |
| MX3001002510 | 10 mm |
| MX3001002511 | 11 mm |
| MX3001002512 | 12 mm |
| MX3001002513 | 13 mm |
| MX3001002514 | 14 mm |
| MX3001002515 | 15 mm |
| MX3001002516 | 16 mm |
| MX3001002517 | 17 mm |
| MX3001002518 | 18 mm |
| MX3001002519 | 19 mm |
| MX3001002520 | 20 mm |
| MX3001002522 | 22 mm |
| MX3001002524 | 24 mm |
| MX3001002526 | 26 mm |
| MX3001002528 | 28 mm |
| MX3001002530 | 30 mm |
| MX3001002532 | 32 mm |
| MX3001002534 | 34 mm |
| MX3001002536 | 36 mm |
| MX3001002538 | 38 mm |
| MX3001002540 | 40 mm |

Cortical Self Tapping Screw 2,5 mm



| Code | Size |
|--------------|-------|
| MX3002002506 | 6 mm |
| MX3002002507 | 7 mm |
| MX3002002508 | 8 mm |
| MX3002002509 | 9 mm |
| MX3002002510 | 10 mm |
| MX3002002511 | 11 mm |
| MX3002002512 | 12 mm |
| MX3002002513 | 13 mm |
| MX3002002514 | 14 mm |
| MX3002002515 | 15 mm |
| MX3002002516 | 16 mm |
| MX3002002517 | 17 mm |
| MX3002002518 | 18 mm |
| MX3002002519 | 19 mm |
| MX3002002520 | 20 mm |
| MX3002002522 | 22 mm |
| MX3002002524 | 24 mm |
| MX3002002526 | 26 mm |
| MX3002002528 | 28 mm |
| MX3002002530 | 30 mm |
| MX3002002532 | 32 mm |
| MX3002002534 | 34 mm |
| MX3002002536 | 36 mm |
| MX3002002538 | 38 mm |
| MX3002002540 | 40 mm |



2,7 mm Hand / Foot Mini Locking Plate Series

2.7 Mini Locking Straight Plate

| Code | Holes | Side | Thickness |
|--------------|-------|------|-----------|
| MX1051002724 | 2 | - | 2,5 |
| MX1051002700 | 4 | - | 2,5 |
| MX1051002701 | 5 | - | 2,5 |
| MX1051002702 | 6 | - | 2,5 |
| MX1051002703 | 7 | - | 2,5 |
| MX1051002704 | 8 | - | 2,5 |
| MX1051002705 | 10 | - | 2,5 |



2,7 Foot Locking X Plate

| Code | Holes | Size | Thickness |
|--------------|-------|------|-----------|
| MX1051002721 | 4 | S | 1,8 |
| MX1051002722 | 4 | M | 1,8 |
| MX1051002723 | 4 | L | 1,8 |

2,7 Mini Locking H Plate

| Code | Holes | Side | Thickness |
|--------------|-------|------|-----------|
| MX1051002725 | 3 | - | 1,8 |
| MX1051002726 | 8 | - | 1,8 |



2,7 Mini Locking Condylar Plate

| Code | Holes | Side | Thickness |
|--------------|-------|------|-----------|
| MX1051002718 | 3 | - | 1,8 |
| MX1051002719 | 5 | - | 1,8 |
| MX1051002720 | 7 | - | 1,8 |

2,7 Mini Locking L Plate

| Code | Holes | Side | Thickness |
|--------------|-------|------|-----------|
| MX1051012716 | 3 | R | 1,8 |
| MX1051012717 | 4 | R | 1,8 |
| MX1051022714 | 3 | L | 1,8 |
| MX1051022715 | 4 | L | 1,8 |



2,7 Mini Locking T Plate



| Code | Holes | Side | Thickness |
|--------------|-------|------|-----------|
| MX1051002708 | 3 | - | 1,8 |
| MX1051002709 | 4 | - | 1,8 |

2,7 Mini Locking L Plate Oblique

| Code | Holes | Side | Thickness |
|--------------|-------|------|-----------|
| MX1051012712 | 3 | R | 1,8 |
| MX1051012713 | 4 | R | 1,8 |
| MX1051022710 | 3 | L | 1,8 |
| MX1051022711 | 4 | L | 1,8 |



2.7 Mini Adaptation Locking Straight Plate



| Code | Holes | Side | Thickness |
|--------------|-------|------|-----------|
| MX1051002706 | 6 | - | 1,8 |
| MX1051002707 | 12 | - | 1,8 |

Locking Self Tapping Screw 2,7 mm









| Code | Size |
|--------------|-------|
| MX3001002710 | 10 mm |
| MX3001002711 | 11 mm |
| MX3001002712 | 12 mm |
| MX3001002713 | 13 mm |
| MX3001002714 | 14 mm |
| MX3001002715 | 15 mm |
| MX3001002716 | 16 mm |
| MX3001002717 | 17 mm |
| MX3001002718 | 18 mm |
| MX3001002719 | 19 mm |
| MX3001002720 | 20 mm |
| MX3001002722 | 22 mm |
| MX3001002724 | 24 mm |
| MX3001002726 | 26 mm |
| MX3001002728 | 28 mm |
| MX3001002730 | 30 mm |
| MX3001002732 | 32 mm |
| MX3001002734 | 34 mm |
| MX3001002736 | 36 mm |
| MX3001002738 | 38 mm |
| MX3001002740 | 40 mm |
| MX3001002742 | 42 mm |
| MX3001002744 | 44 mm |
| MX3001002746 | 46 mm |
| MX3001002748 | 48 mm |
| MX3001002750 | 50 mm |

Cortical Self Tapping Screw 2,7 mm



| Code | Size |
|--------------|-------|
| MX3002002710 | 10 mm |
| MX3002002712 | 12 mm |
| MX3002002714 | 14 mm |
| MX3002002716 | 16 mm |
| MX3002002718 | 18 mm |
| MX3002002720 | 20 mm |
| MX3002002722 | 22 mm |
| MX3002002724 | 24 mm |
| MX3002002726 | 26 mm |
| MX3002002728 | 28 mm |
| MX3002002730 | 30 mm |
| MX3002002732 | 32 mm |
| MX3002002734 | 34 mm |
| MX3002002736 | 36 mm |
| MX3002002738 | 38 mm |
| MX3002002740 | 40 mm |
| MX3002002742 | 42 mm |
| MX3002002744 | 44 mm |
| MX3002002746 | 46 mm |
| MX3002002748 | 48 mm |
| MX3002002750 | 50 mm |



Metacarpal / Metatarsal Fusion Plate Series

| Code | Product Description | Angle | Side | Thickness | |
|--------------|-----------------------------------|-------|------|-----------|--|
| MX1061202501 | Metacarpal Fusion Plate Narrow | - | - | 2 |  |
| MX1061202502 | Metacarpal Fusion Plate Broad | - | - | 2 |  |
| MX1091010200 | Mini Foot Metatarsal Fusion Plate | 0 | R | 2 |  |
| MX1091010201 | Mini Foot Metatarsal Fusion Plate | 5 | R | 2 |  |
| MX1091010202 | Mini Foot Metatarsal Fusion Plate | 15 | R | 2 |  |
| MX1091020203 | Mini Foot Metatarsal Fusion Plate | 0 | L | 2 |  |
| MX1091020204 | Mini Foot Metatarsal Fusion Plate | 5 | L | 2 |  |
| MX1091020205 | Mini Foot Metatarsal Fusion Plate | 15 | L | 2 |  |

Locking Self Tapping Screw 2,5 mm

|  | Code | Size |
|---|--------------|-------|
|  | MX3001002506 | 6 mm |
| | MX3001002507 | 7 mm |
| | MX3001002508 | 8 mm |
| | MX3001002509 | 9 mm |
| | MX3001002510 | 10 mm |
| | MX3001002511 | 11 mm |
| | MX3001002512 | 12 mm |
| | MX3001002513 | 13 mm |
| | MX3001002514 | 14 mm |
| | MX3001002515 | 15 mm |
| | MX3001002516 | 16 mm |
| | MX3001002517 | 17 mm |
| | MX3001002518 | 18 mm |
| | MX3001002519 | 19 mm |
| | MX3001002520 | 20 mm |
| | MX3001002522 | 22 mm |
| | MX3001002524 | 24 mm |
| | MX3001002526 | 26 mm |
| | MX3001002528 | 28 mm |
| | MX3001002530 | 30 mm |
| | MX3001002532 | 32 mm |
| | MX3001002534 | 34 mm |
| | MX3001002536 | 36 mm |
| | MX3001002538 | 38 mm |
| | MX3001002540 | 40 mm |

Cortical Self Tapping Screw 2,5 mm



|  | Code | Size |
|---|--------------|-------|
|  | MX3002002506 | 6 mm |
| | MX3002002507 | 7 mm |
| | MX3002002508 | 8 mm |
| | MX3002002509 | 9 mm |
| | MX3002002510 | 10 mm |
| | MX3002002511 | 11 mm |
| | MX3002002512 | 12 mm |
| | MX3002002513 | 13 mm |
| | MX3002002514 | 14 mm |
| | MX3002002515 | 15 mm |
| | MX3002002516 | 16 mm |
| | MX3002002517 | 17 mm |
| | MX3002002518 | 18 mm |
| | MX3002002519 | 19 mm |
| | MX3002002520 | 20 mm |
| | MX3002002522 | 22 mm |
| | MX3002002524 | 24 mm |
| | MX3002002526 | 26 mm |
| | MX3002002528 | 28 mm |
| | MX3002002530 | 30 mm |
| | MX3002002532 | 32 mm |
| | MX3002002534 | 34 mm |
| | MX3002002536 | 36 mm |
| | MX3002002538 | 38 mm |
| | MX3002002540 | 40 mm |



Plate selection

Select the appropriate plate size, geometry and length.

Note 1: When an Mikron Mini plate is used on a long bone for non-load bearing stabilization and reduction, it is recommended that the plate be used only in conjunction with separate, definitive fixation.

Note 2: When an Mikron Mini plate is used for non-load bearing stabilization and reduction of bone fragments in long bones, it is the surgeon's discretion to leave the plate in-situ or remove it once its service as an aid to healing is accomplished.

Plate modification

Occasionally, minor plate contouring will be required. This may be accomplished using the Plate Bending Pliers and Bending Irons. Additionally, mini-fragment plates can be cut to length using the Plate Cutting Forceps.

Note 1: The Plate Cutting Forceps should not be used to cut the 2.5mm and 2.7mm Strength Plates.

Note 2: The Plates excessive bending through locking holes. To protect the locking holes while contouring, utilize the Plate Bending Pliers or the long slot located on the end of the pliers.

If the plate is contoured through the locking holes, a non-locking screw is recommended. If the plate is bent through the locking hole, utilize the Double Ended Drill Guide for drilling Guide may not engage the tabs in the locking hole.

Plate Positioning

One or more Cannulas may be threaded into the plate for use as an insertion handle or plate positioning handle.





To use the Plate Reduction Instrument, make a stab incision at the desired location. Insert the Percutaneous Sleeve and Trocar through the Jig and soft tissues ensuring that contact is made with the surface of the plate. Remove the Trocar.

Pass the Reduction Spin Knob over the distal portion of the Plate Reduction Instrument until it engages with the fine threads approximately half way up the shaft of the instrument. Spin the knob until it is positioned close to the quick connect end of the instrument.

Insert the Plate Reduction Sleeve through the Percutaneous Sleeve and thread it into the plate. Next insert the Reduction Instrument through the Reduction Sleeve and into the bone fragment by hand or under power to the appropriate depth. Rotating the Spin Knob clockwise will cause it to contact the top of the Reduction Sleeve and in turn, draw the plate and bone together. Monitor progress using C-Arm images. Stop when desired reduction is achieved.

Note:

Do not force tightening of the Reduction Spin Knob against the Reduction Sleeve as this may damage the instrument. If excessive force is required, soft tissue or other bone fragments may be causing interference with the reduction, or fracture reduction may have been lost. Re-check the position of the bone fragments, and repeat the process of reducing the fracture if necessary prior to continued use of the Plate Reduction Instrument.

Screw Insertion

Determine whether standard Cortical, Cancellous, or Locking Screws will be used. Any combination of screws may be used. Use the appropriate Dual Compression Drill Guide for (eccentric) Dynamic Compression or Neutral (buttress) insertion of Cortical or Cancellous





Dynamic Compression (eccentric) insertion of a standard screw (Arrow toward the fracture)



The gold end of the Drill Guide produces a hole that is 0.75mm off-center and away from the fracture, so that when the screw is tightened, the bone moves relative to the plate and the fracture is compressed. After insertion of one compression screw, additional compression using an additional eccentric screw is possible.



Neutral insertion of a standard screw

If the screw is to be inserted in neutral (GREEN) position, the hole is 0.3mm off-center which theoretically adds a small amount of compression even in the neutral position.

Locking Screws Note:

If lag screw fixation or compression of the plate to the bone is necessary for any fragment, the lag screw must be inserted before inserting locking screws into that fragment. Thread the appropriate Standard Cannula into the first plate hole to be used for provisional fixation.



The Cannula Inserter may be used to tighten the Cannula if necessary. Insert the appropriate K-Wire through the Cannula to the desired depth.



Thread a Drill Cannula (either 1.5mm or 2.0mm, 2.5mm as appropriate) into the plate hole where you want to place the first locking screw.

Insert the Drill Bit through the Cannula and drill to the appropriate depth. Remove the Drill Bit and the Cannula.



Insert the Mini Depth Gauge to determine screw length (for 1.5mm, 2.5mm screws up to 30mm in length. For longer 2.5mm screws, use the Percutaneous Depth Gauge. For all 2.7mm Screws use the 2.7mm Locking Screw Depth Gauge)


















Wound Closure Use the appropriate method for surgical closure of the incisions. Postoperative Treatment Postoperative treatment with Universal Locking Plates does not differ from conventional internal fixation procedures.






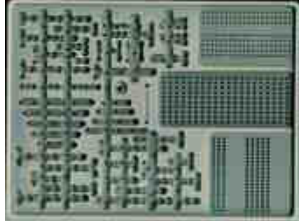
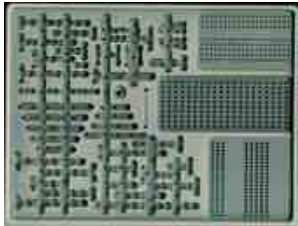
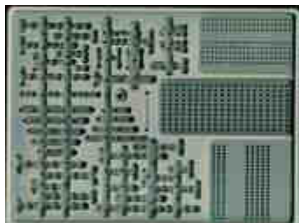
Implant Removal to remove locking screws, unlock all screws from the plate and then remove the screws completely

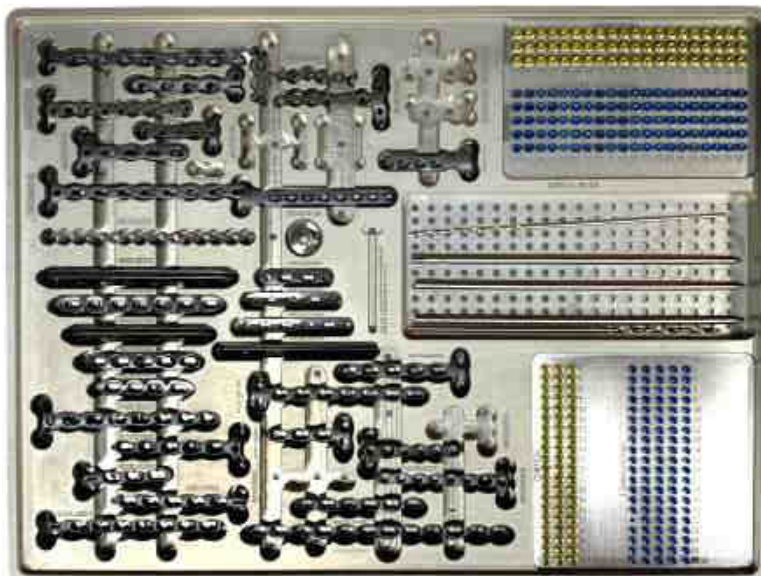
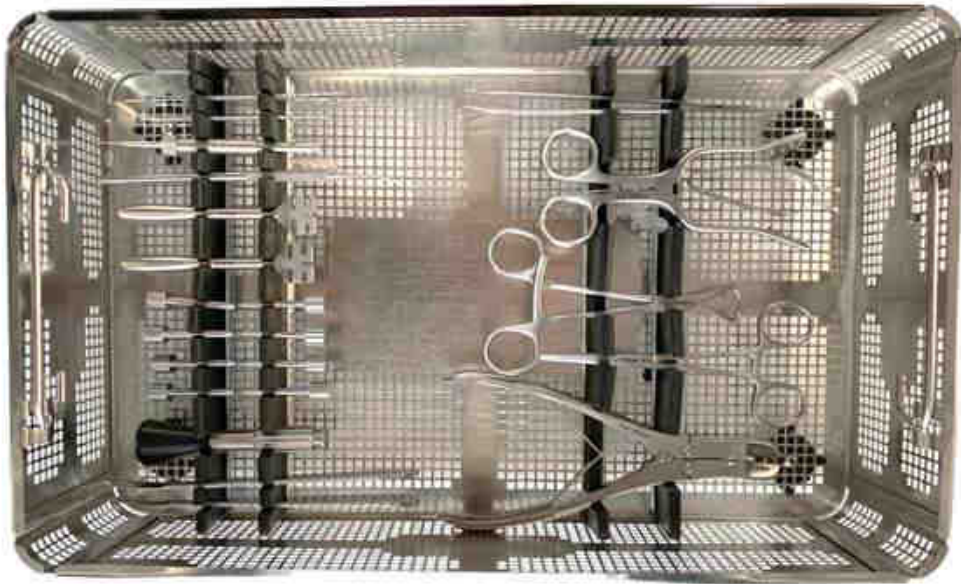




| | | | | |
|----|--------|---|---|---|
| 1 | MTML01 | Mini Plate T8 Screw Driver Quick Coupling Handle | 1 |  |
| 2 | MTML02 | Mini Plate T8 Screw Driver Shaft Quick Coupling | 2 |  |
| 3 | MTML03 | Mini Plate T6 Screw Driver Shaft Quick Coupling | 2 |  |
| 4 | MTML04 | Mini Plate T5 Screw Driver Shaft Quick Coupling | 2 |  |
| 5 | MTML05 | Sharp Hook | 1 |  |
| 6 | MTML06 | Plate Bender | 2 |  |
| 7 | MTML07 | Mini Depth Gauge | 1 |  |
| 8 | MTML08 | Mini Screw Forceps | 1 |  |
| 9 | MTML09 | Mini Retractor | 2 |  |
| 10 | MTML10 | Plate Holder Forceps | 1 |  |
| 11 | MTML11 | Locking Drill Sleeve Ø1.5mm | 2 |  |
| 12 | MTML12 | Locking Drill Sleeve Ø2.0mm | 2 |  |
| 13 | MTML13 | Locking Drill Sleeve Ø2.5mm | 2 |  |
| 14 | MTML14 | Locking Drill Sleeve Ø2.7mm | 2 |  |
| 15 | MTML15 | Mini Reduction Forceps With Point | 1 |  |



| | | | | |
|----|--------|---|---|---|
| 16 | MTML16 | Mini Plate Weitlander Retractors | 1 |  |
| 17 | MTML17 | Mini Plate Cutter | 1 |  |
| 18 | MTML18 | Drill Ø1.1mm | 6 |  |
| 19 | MTML19 | Drill Ø1.5mm | 6 |  |
| 20 | MTML20 | Drill Ø2.0mm | 6 |  |
| 21 | MTML21 | Mini Plate Box & Mini Screw Box 1.5/2.0 | 1 |  |
| 22 | MTML22 | Mini Screw Box 2.5 | 1 |  |
| 23 | MTML23 | Mini Plate Box 2.7 | 1 |  |





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