PELVIC
PLATING SYSTEM

PELVIC

ISO 13485:2016 | CE 2460 | **www.auxein.com**

Auxein®

about us

Auxein Medical is an integrated, research based, orthopaedic Implants & Instruments manufacturing company, producing a wide range of quality, affordable generic implants, trusted by healthcare professionals and patients across geographies. It is the Company's constant endeavor to provide a wide basket of generic and innovator products that exceed the highest expectations of our customers in term of quality and safety. The company has world-class manufacturing unit established in India and serves customers in over 60 countries worldwide.

Our Achievements

- **US FDA 510K APPROVED** *(Locking Plates and Screws)*
- EC Certificate - Class IIa & IIb
- ISO 13485:2016
- ISO 9001:2015
- India FDA Approved
- GMP Certificate

Pelvic Plating System

Pelvic Plating System is a comprehensive set of plates, screws, and instrumentation for the treatment of pelvic ring and acetabular fractures. Designed to treat a wide variety of challenging pelvic fractures, the plates of the Pelvic Plating System are strategically precontoured where it may save time for the surgeon, and left noncontoured in some sections to allow for buttressing of fractures. Indication-specific plates are offered, as well as reconstruction-style plates to address a variety of fracture patterns. Enhancements to traditional pelvic instrumentation are designed to simplify surgical techniques.

Indications for Use:

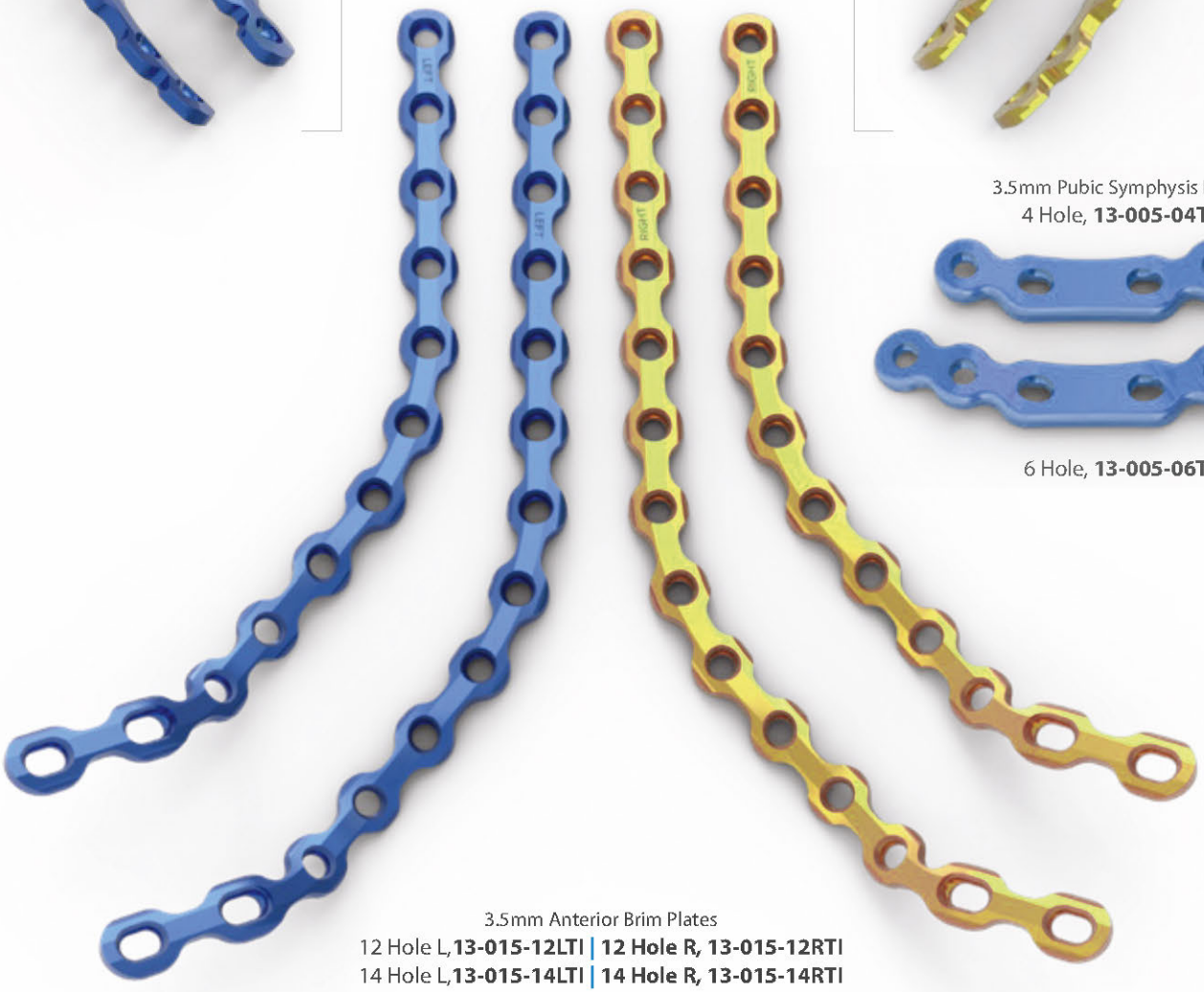
Fractures, fusions, and osteotomies of the acetabulum
Fractures, fusions, and osteotomies of the sacrum
Fractures, fusions, and osteotomies of the ilium
Fractures, fusions, and osteotomies of the pelvic ring
Sacroiliac joint dislocations
Pubic symphysis disruptions

3.5mm Quadrilateral Surface Plates
L, **13-013-02LTI** | **R, 13-013-02RTI**

3.5mm Intrapelvic Plates
5 Hole L, **13-014-05LTI** | **5 Hole R, 13-014-05RTI**
9 Hole L, **13-014-09LTI** | **9 Hole R, 13-014-09RTI**

3.5mm Pubic Symphysis Plate
4 Hole, **13-005-04TI**

6 Hole, **13-005-06TI**



3.5mm Anterior Brim Plates
12 Hole L,**13-015-12LTI** | **12 Hole R, 13-015-12RTI**
14 Hole L,**13-015-14LTI** | **14 Hole R, 13-015-14RTI**

3.5mm Superior Sacro-iliac Plate
4 Hole, **13-008-04TI**

3.5mm Posterior Wall Acetabular Fragment Plate
9 Hole - L,**13-006-09LTI** | R,**13-006-09RTI**
11 Hole - Curved L,**13-007-011LTI** | R,**13-007-011RTI**

3.5mm Acetabular Spring Plates
2 Hole, **13-010-02TI**
3 Hole, **13-010-03TI**

3.5 mm Interlocking Reconstruction Plate
11 Hole, **13-012-11TI**

3.5mm Posterior Wall Acetabular Plate
8 Hole, **13-009-08TI**

3.5 mm Reconstruction Pelvis Plates
3 Hole, **13-011-03TI** | **4 Hole, 13-011-04TI**
6 Hole, **13-011-06TI** | **8 Hole, 13-011-08TI**
10 Hole, **13-011-10TI** | **12 Hole, 13-011-12TI**
14 Hole, **13-011-14TI** | **16 Hole, 13-011-16TI**

3.5mm Low Profile Cortical Screw, (Hex Head)

Item Code	Length
13-017-010TI	10mm
13-017-012TI	12mm
13-017-014TI	14mm
13-017-016TI	16mm
13-017-018TI	18mm
13-017-020TI	20mm
13-017-022TI	22mm
13-017-024TI	24mm
13-017-026TI	26mm
13-017-028TI	28mm
13-017-030TI	30mm
13-017-032TI	32mm
13-017-034TI	34mm
13-017-036TI	36mm
13-017-038TI	38mm
13-017-040TI	40mm
13-017-045TI	45mm
13-017-050TI	50mm
13-017-055TI	55mm
13-017-060TI	60mm
13-017-065TI	65mm
13-017-070TI	70mm
13-017-075TI	75mm
13-017-080TI	80mm
13-017-085TI	85mm
13-017-090TI	90mm
13-017-095TI	95mm
13-017-100TI	100mm
13-017-105TI	105mm
13-017-110TI	110mm
13-017-115TI	115mm
13-017-120TI	120mm
13-017-125TI	125mm
13-017-130TI	130mm
13-017-135TI	135mm
13-017-140TI	140mm
13-017-145TI	145mm
13-017-150TI	150mm

4.0mm Low Profile Cancellous Screw, (Hex Head)

Item Code	Length
13-018-50TI	50mm
13-018-55TI	55mm
13-018-60TI	60mm
13-018-65TI	65mm
13-018-70TI	70mm
13-018-75TI	750mm
13-018-80TI	80mm
13-018-85TI	85mm
13-018-90TI	90mm
13-018-95TI	95mm
13-018-100TI	100mm
13-018-105TI	105mm
13-018-110TI	110mm
13-018-115TI	115mm
13-018-120TI	120mm
13-018-125TI	125mm
13-018-130TI	130mm
13-018-135TI	135mm
13-018-140TI	140mm
13-018-145TI	145mm
13-018-150TI	150mm

7-032-01	Template A, Small	
7-032-02	Template B, Medium	
7-032-03	Template C, Large	
7-032-04	Template D, Large pointed	
7-032-05	Bone retractor	
7-032-06	Muscle retractor	

7-032-07	Periosteum elevator, 14mm, Curved	
7-032-08	Hammer	
7-032-09	Bending forceps	
7-032-10	Reduction forceps	
7-032-11	Multi-angle adjustment forceps	
7-032-12	Eccentric multi-angle adjustment forceps	

7-032-13 Holding forceps, Large

7-032-14 Holding forceps, Small

7-032-15 Plate Cutting Forceps

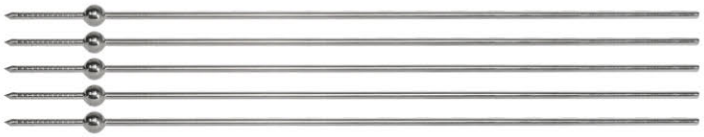
7-032-16 Bone retractor, Short

7-032-17 Bone retractor, Long

7-032-18 K wire, Ø1.2mm x 155mm

7-032-19 K wire, Ø1.6mm x 215mm

7-032-20 Fixation Pin



7-032-21 Drill Bit, Ø 2.0mm

7-032-22 Drill Bit, Ø2.8mm x Length 300mm

7-032-23 Quick release Flexible Drill Bit, Ø3.5mm

7-032-24 Drill Bit, Ø 3.5mm x Length 300mm

7-032-25 Drill Guide, Ø3.5mm

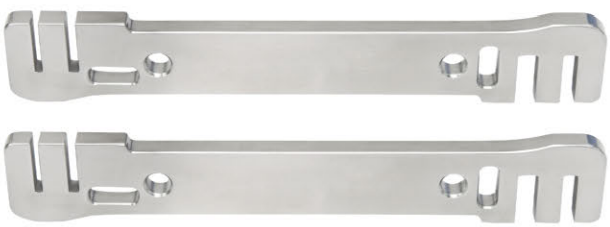
7-032-26 Drill Guide, Ø2.8mm

7-032-27 Soft Tissue Protector,Long, Ø7.8mm

7-032-28 Drill Guide, Ø3.5mm(For Quick release flexible drill bit)

7-032-29 2.0/2.8mm Double Drill Guide

7-032-30 Plate Bender, Large



7-032-31 Template

7-032-32 Bone Graft Drill Assembly, Ø7.0mm

7-032-33 Depth Gauge, 0-150mm

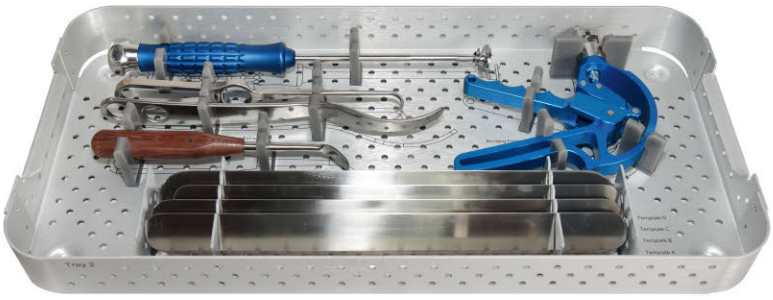
7-032-34 Reduction Clamp

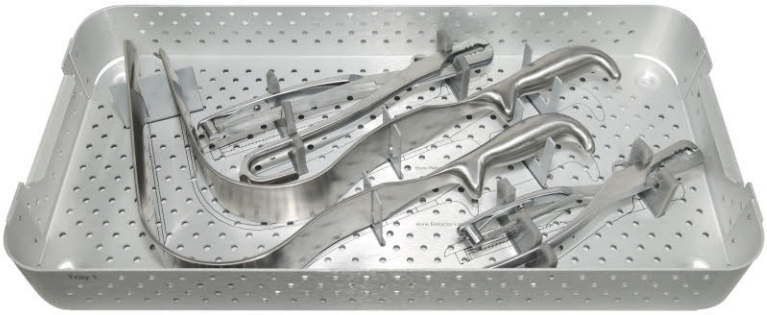
7-032-35 Depth Gauge, 0-65mm

7-032-36 Plate Reduction Clamp

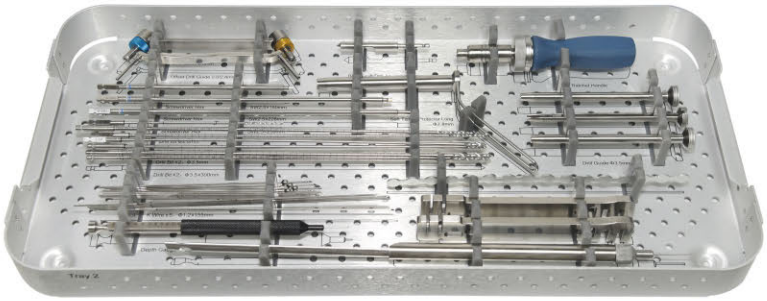
7-032-37	Screwdriver, Hex, SW2.5 x Length 150mm	
7-032-38	Screwdriver, Hex, SW2.5 x Length 228mm	
7-032-39	Screwdriver, Hex, SW2.5 x Length 250mm	
7-032-40	Ratchet Handle	
7-032-41	2.8mm OffSystem Double Drill guide	

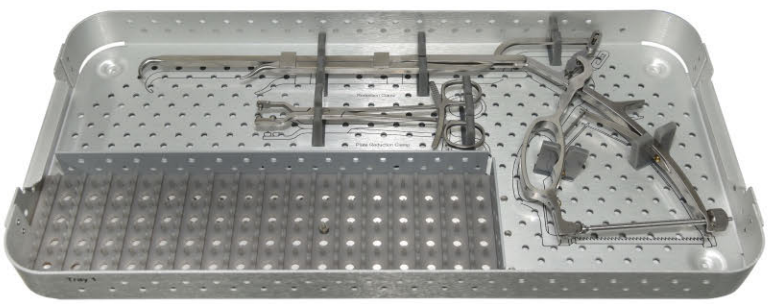
7-032 Pelvic Instrument Set





Pelvic System Instruments Set - I





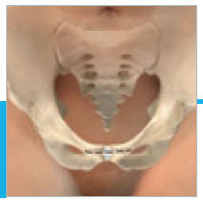
Pelvic System Instruments Set - II

7-032 Pelvic Instrument Set

Item Code	Item Name	Unit
7-032-01	Template A, Small	1
7-032-02	Template B, Medium	1
7-032-03	Template C, Large	1
7-032-04	Template D, Large pointed	1
7-032-05	Bone retractor	1
7-032-06	Muscle retractor	1
7-032-07	Periosteum elevator, 14mm, Curved	1
7-032-08	Hammer	1
7-032-09	Bending forceps	1
7-032-10	Reduction forceps	1
7-032-11	Multi-angle adjustment forceps	1
7-032-12	Eccentric multi-angle adjustment forceps	1
7-032-13	Holding forceps, Large	1
7-032-14	Holding forceps, Small	1
7-032-15	Plate Cutting Forceps	1
7-032-16	Bone retractor, Short	1
7-032-17	Bone retractor, Long	1
7-032-18	K wire, Ø1.2mm x 155mm	5
7-032-19	K wire, Ø1.6mm x 215mm	5
7-032-20	Fixation Pin	5
7-032-21	Drill Bit, Ø 2.0mm	1
7-032-22	Drill Bit, Ø2.8mm x Length 300mm	2
7-032-23	Quick release Flexible Drill Bit, Ø3.5mm	2
7-032-24	Drill Bit, Ø 3.5mm x Length 300mm	2
7-032-25	Drill Guide, Ø3.5mm	1
7-032-26	Drill Guide, Ø2.8mm	1
7-032-27	Soft Tissue Protector,Long, Ø7.8mm	1
7-032-28	Drill Guide, Ø3.5mm(For Quick release flexible drill bit)	1
7-032-29	2.0/2.8mm Double Drill Guide	1
7-032-30	Plate Bender, Large	2
7-032-31	Template	1
7-032-32	Bone Graft Drill Assembly, Ø7.0mm	1
7-032-33	Depth Gauge, 0-150mm	1
7-032-34	Reduction Clamp	1
7-032-35	Depth Gauge, 0-65mm	1
7-032-36	Plate Reduction Clamp	1
7-032-37	Screwdriver, Hex, SW2.5 x Length 150mm	1
7-032-38	Screwdriver, Hex, SW2.5 x Length 228mm	1
7-032-39	Screwdriver, Hex, SW2.5 x Length 250mm	1
7-032-40	Ratchet Handle	1
7-032-41	2.8mm OffSystem Double Drill guide	1
7-032-42	Container I for Pelvic System Instrument System	1
7-032-43	Container II for Pelvic System Instrument System	1

Pubic Symphysis Plate Surgical Technique

Exposure



Fitting

Drilling

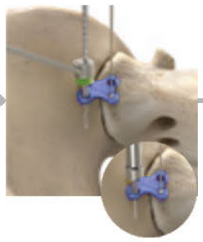
Screw Insertion

Superior Sacroiliac Plate Surgical Technique

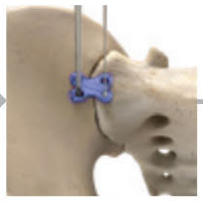
Exposure

Fitting

Drilling



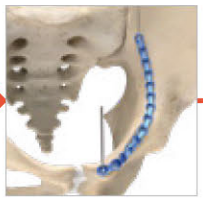
Screw Insertion



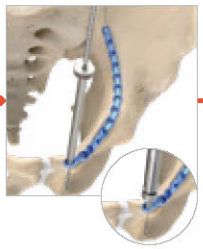
Anterior Brim and Quadrilateral Surface Plate Surgical Technique

Exposure

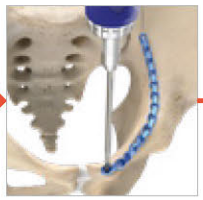
Fitting



Drilling



Screw Insertion



Quadrilateral Surface Plate Surgical Technique

Exposure

Fitting

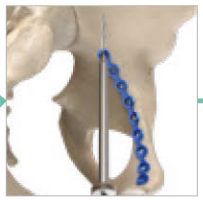
Drilling

Screw Insertion

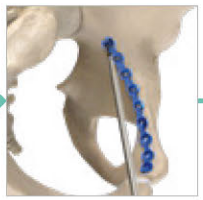
Intrapelvic Plate Surgical Technique

Fitting

Drilling



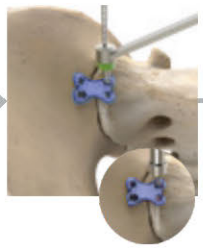
Screw Insertion



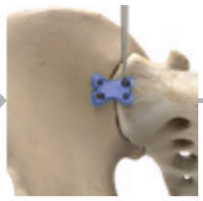
Screw Insertion

Confirmation

Drilling

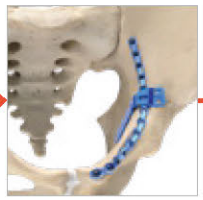


Screw Insertion

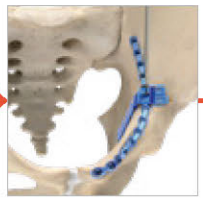


Screw Insertion

Screw Insertion



Screw Insertion

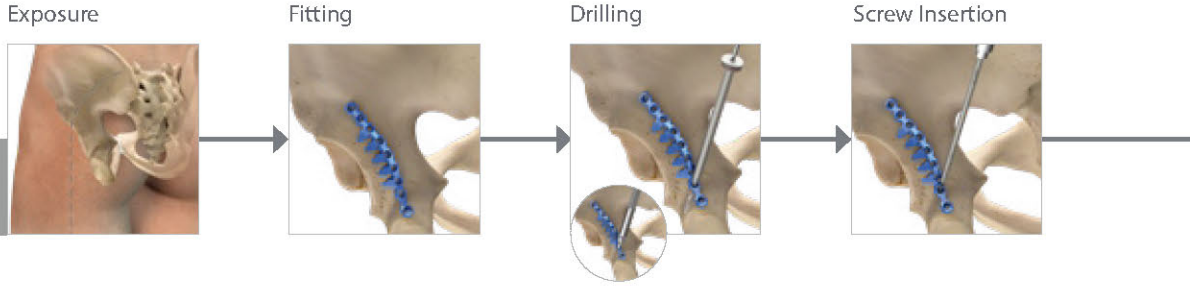


Confirmation

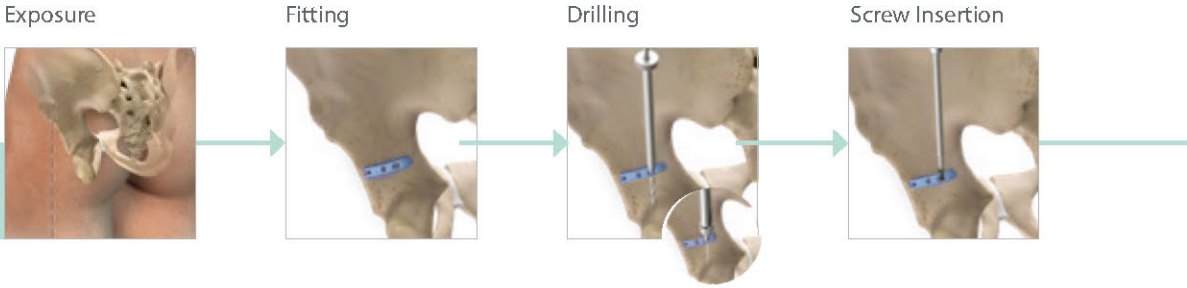
Reduction and Placement

Screw Insertion

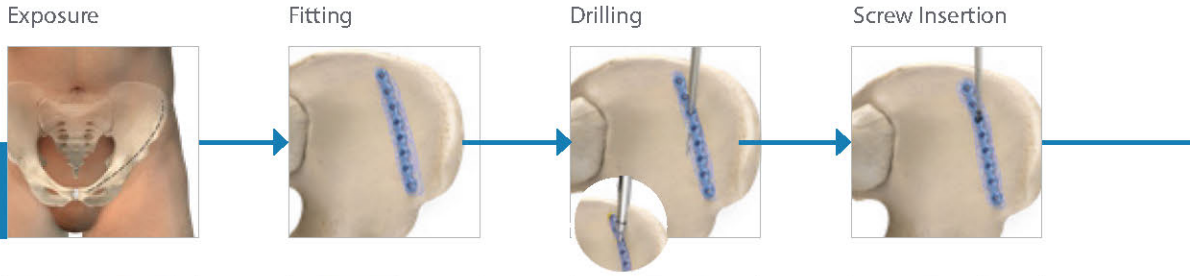
Acetabular Plate Surgical Technique for Posterior Wall Fractures



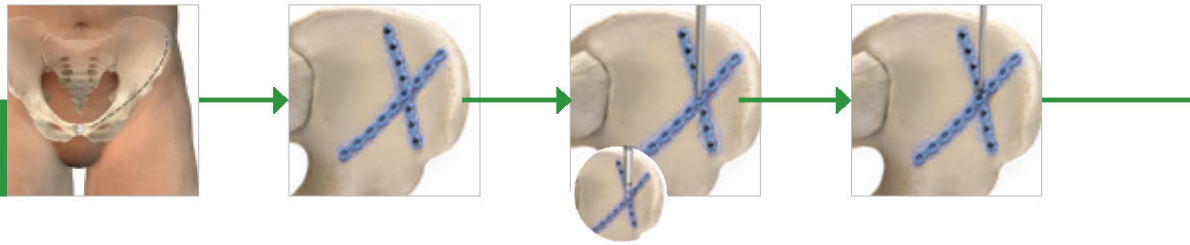
Acetabular Spring Plate Surgical Technique for Posterior Wall Fractures



Reconstruction Pelvis Plate Surgical Technique



Interlocking Reconstruction Plate Surgical Technique



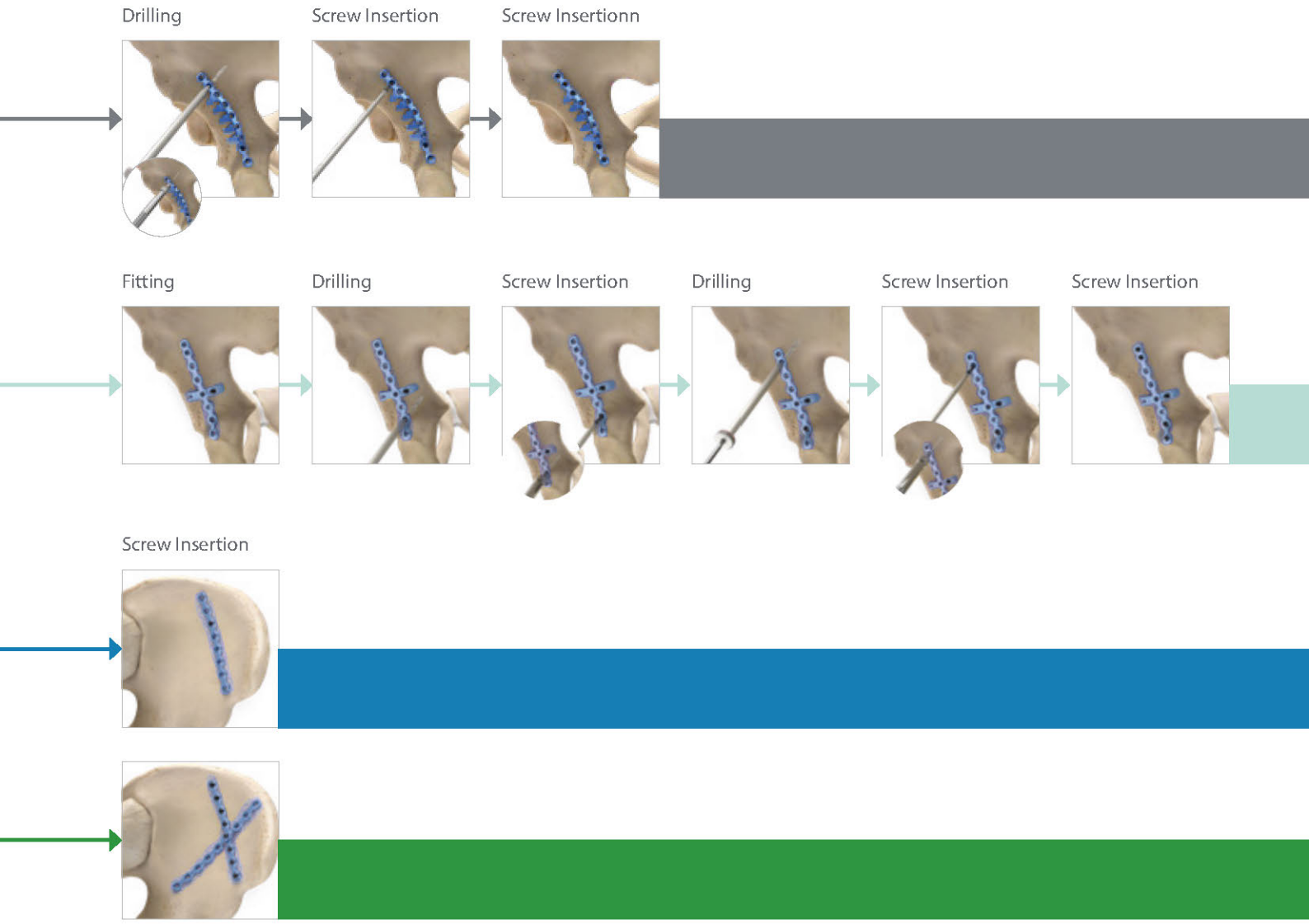

Drilling
Screw Insertion
Screw Insertionn
Fitting
Drilling
Screw Insertion
Drilling
Screw Insertion
Screw Insertion
Screw Insertion

Figure 1

1. Exposure

Expose the pubic symphysis using a preferred surgical exposure. Reduce the pubis symphysis in preparation for plate installation.

Figure 2

2. Fitting

Test fit the Pubic Symphysis Plate. Make any final adjustments to the plate contour using the Large Plate Bender. Provisionally attach the plate using Fixtation Pin.

Caution: If bending the plate, please observe the following:
- Place bends in plate sections which do not have holes
- Use several small bends to achieve a smooth overall bend
- Do not bend, unbend, and re-bend more than once

3. Drilling

With reduction confirmed, drill using the 2.8 mm Drill Bit and 2.8mm Offset Double Drill guide through one of the dynamic compression slots on the plate. Using the Depth Gauge 0–150 mm determine the proper screw length and insert the proper length 3.5mm Low profile cortical Screw.
Note: If this plate is used in conjunction with the Anterior Brim Plate, drill through the dynamic compression slot contralateral to the application of the Anterior Brim Plate.

Figure 3

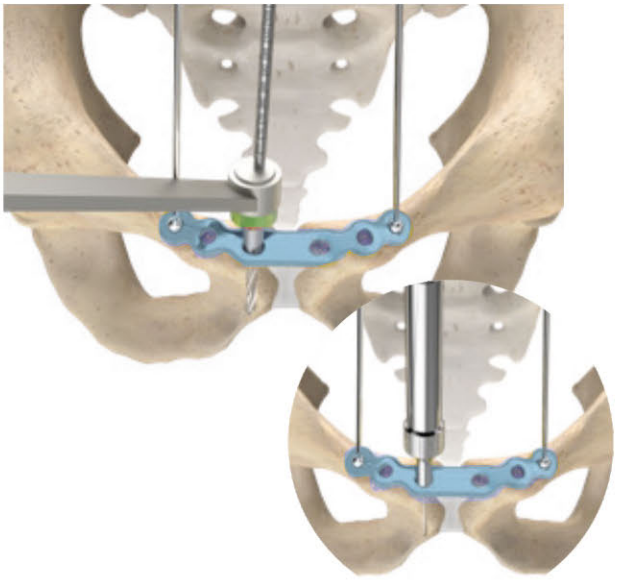


Figure 4

4. Screw Insertion

Connect the SW2.5 Screwdriver, Hex to the Ratchet Handle and insert a 3.5mm Low profile cortical Screw. Tighten the screw partially to allow for additional compression later.

Caution: Driving the screws into the plate under power could cause the screw heads to go through the plate. To avoid this, tighten screws into the plate by hand.

Figure 5

Figure 6

5. Screw Insertion

Drill through the opposing dynamic compression slot using the 2.8mm Drill bit and 2.8mm Offset Double Drill Guide. Using the Depth Gauge 0–150mm determine the proper screw length and insert the proper length 3.5mm Low profile cortical Screw. Fully seat this screw in the plate to begin compressing the pubic symphysis. By hand, fully seat the screw you partially tightened in Step 4. This will apply additional compression across the pubic symphysis.

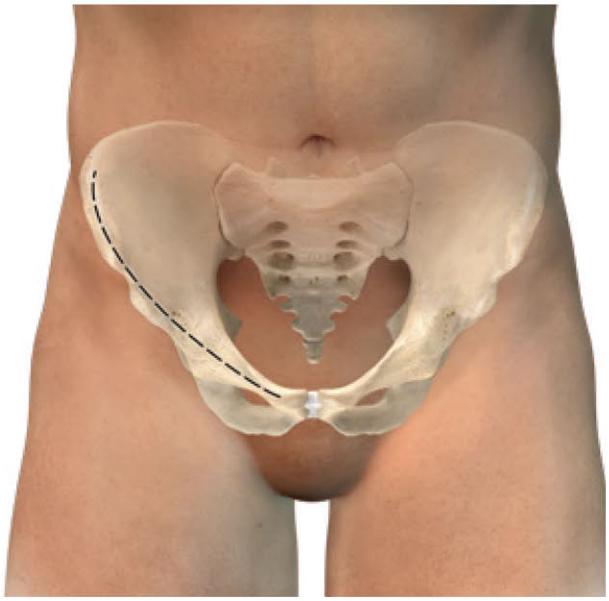
Caution: Driving the screws into the plate under power could cause the screw heads to go through the plate. To avoid this, tighten screws into the plate by hand.

Figure 7

6. Confirmation

Drill, measure, and install 3.5mm Low profile cortical Screw. in the remaining holes of the plate, at the surgeon's discretion. Confirm all screws have been seated in the plate(s). Close the surgical site(s) using preferred techniques.

Figure 8



1. Exposure

Expose the superior portion of the sacroiliac joint using a preferred surgical exposure. Reduce the sacroiliac joint in preparation for plate installation.

Caution: This plate is not to act as the solitary means of fixation for a completely disrupted sacroiliac joint.

2. Fitting

Test fit the Superior Sacro-iliac Plate, 4 Hole
Make any final adjustments to the plate contour using the Large Plate Bender. Provisionally attach the plate using Fixtation Pin.

Caution: If bending the plate, please observe the following:
- Place bends in plate sections which do not have holes
- Use several small bends to achieve a smooth overall bend
- Do not bend, unbend, and re-bend more than once

Figure 9

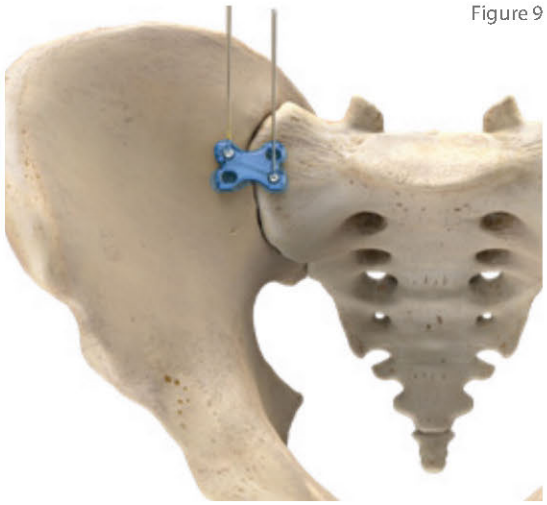


Figure 10

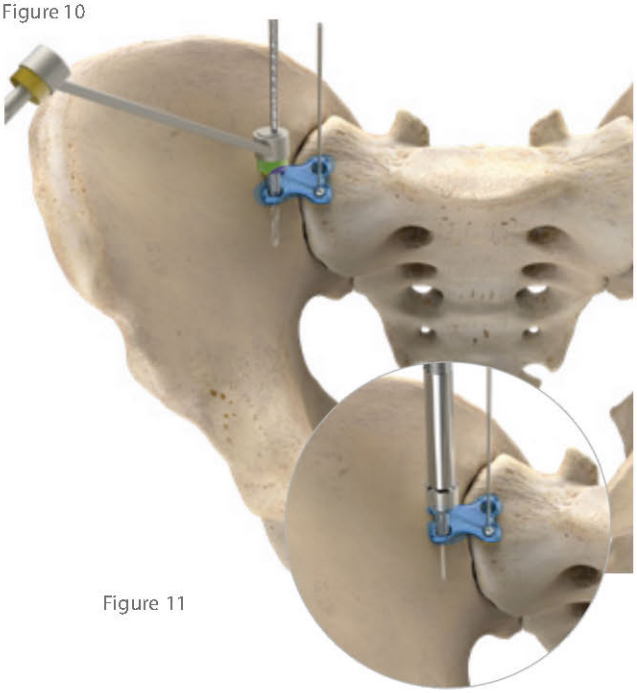


Figure 11

3. Drilling

With reduction confirmed, drill using the 2.8mm Drill bit and 2.8mm Offset Double Drill Guide through one of the neutral slots on the plate. Utilizing the Depth Gauge 0–150 mm, determine the proper screw length and insert the proper length 3.5mm Low profile cortical Screw.

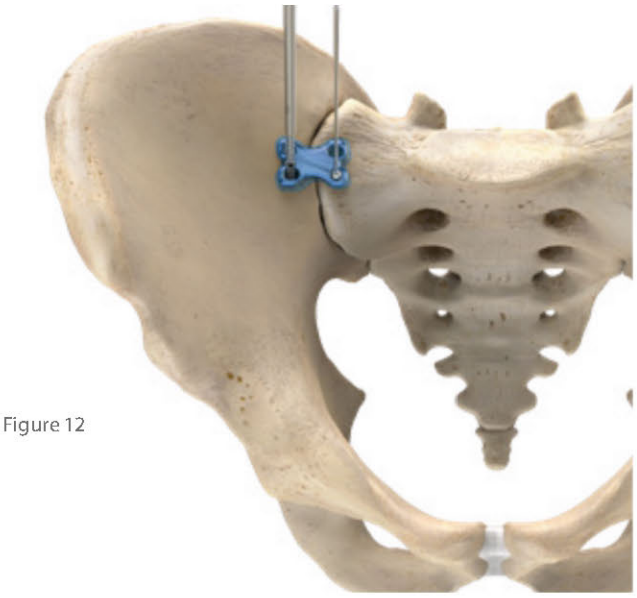


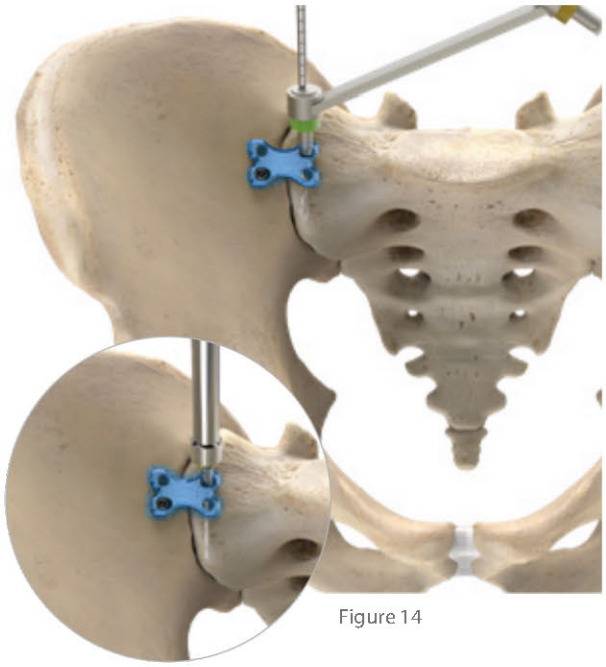
Figure 12

4. Screw Insertion

Connect the SW2.5 Screw Driver, Hex to the Ratchet Handle and insert a 3.5mm Low profile cortical Screw.Leave this screw partially tightened to allow for final plate alignment. If no further adjustments to the plate position are anticipated, fully seat the screw by hand in the neutral slot.

Caution: Driving the screws into the plate under power could cause the screw heads to go through the plate. To avoid this, tighten screws into the plate by hand.

Figure 13



5. Drilling

Drill through a hole or slot on the opposite side of the plate using the 2.8mm Drill bit and the 2.8mm Drill Guide. Using the Depth Gauge 0–150 mm, determine the proper screw length and insert the proper length 3.5mm Low profile cortical Screw.

Figure 14

6. Screw Insertion

Using the SW2.5 Screwdriver, Hex and Ratchet Handle from Step 4, insert a 3.5mm Low profile cortical Screw. Fully seat the screw, by hand, in the plate.

Caution: Driving the screws into the plate under power could cause the screw heads to go through the plate. To avoid this, tighten screws into the plate by hand.

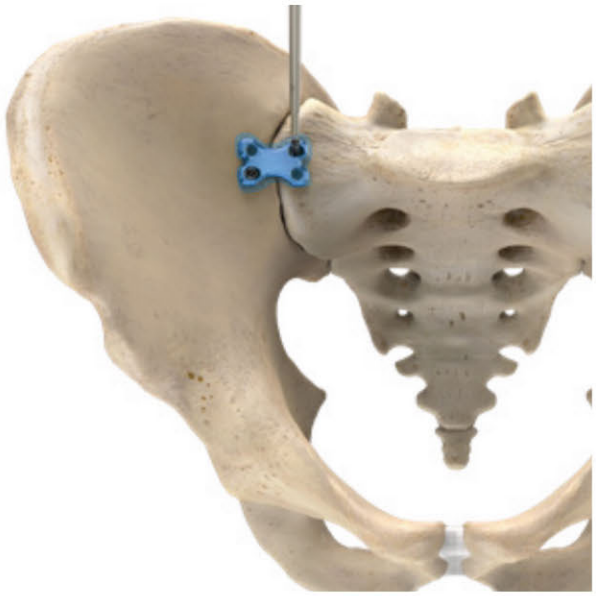
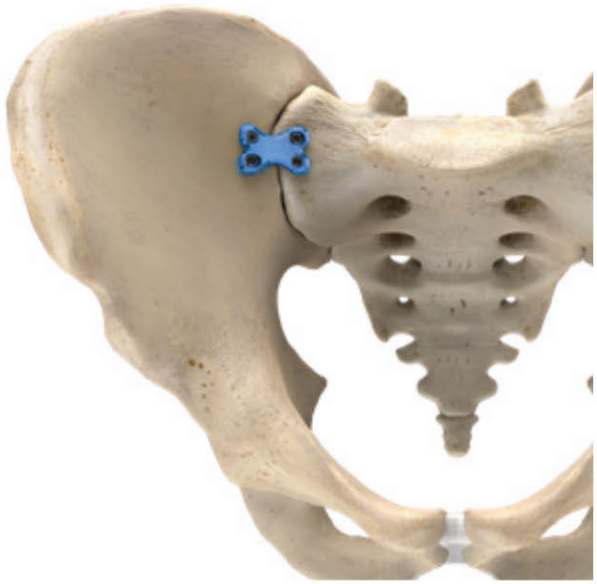


Figure 15

Figure 16



7. Screw Insertion

Drill, measure, and install 3.5mm Low profile cortical Screw in the remaining holes of the plate, at the surgeon's discretion.
Confirm all screws have been seated in the plate(s).
Close the surgical site(s) using preferred techniques.

1. Exposure

Expose the pelvic brim using a preferred surgical exposure.

Note: Reduce the acetabulum in preparation for plate installation. The Anterior Brim Plate can be used in conjunction with the Quadrilateral Surface Plate or the 6-hole Pubic Symphysis Plate
If the Anterior Brim Plate is to be used in conjunction with the Pubic Symphysis Plate follow Steps 1–4 in the Pubic Symphysis Surgical Technique prior to installing the Anterior Brim Plate.

Figure 17

2. Fitting

Test fit the Anterior Brim Plate. Make any final adjustments to the plate contour using Bending forceps or a Plate Bender, Large
Provisionally attach the plate using Fixation pin.

Caution: If bending the plate, please observe the following:
- Place bends in plate sections which do not have holes
- Use several small bends to achieve a smooth overall bend
- Do not bend, unbend, and re-bend more than once
- For in-plane bending, insert the plate parallel to the bending piston. Situate the plate such that the piston is between holes. Compress the handle to bend the plate.

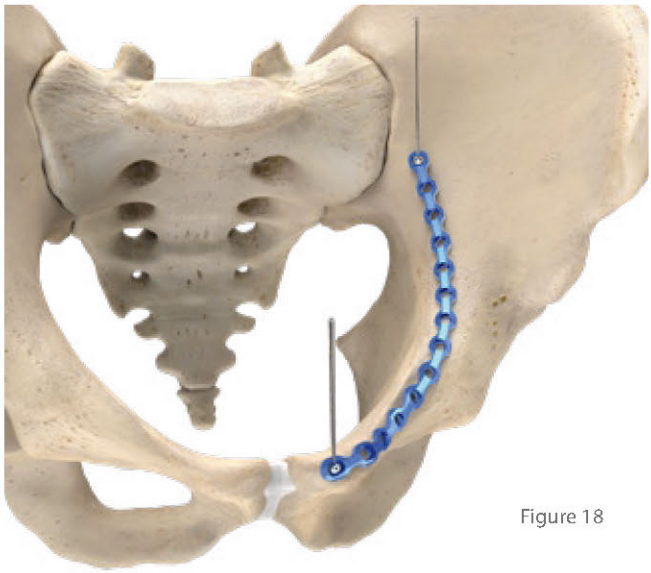


Figure 18

Figure 19

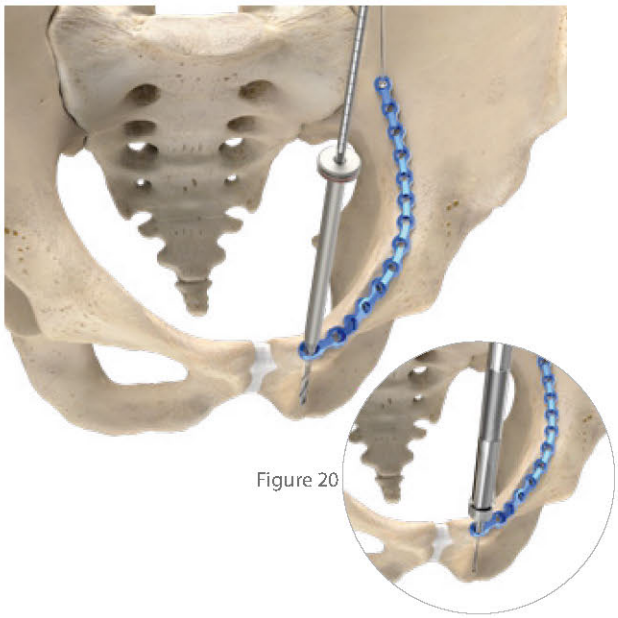


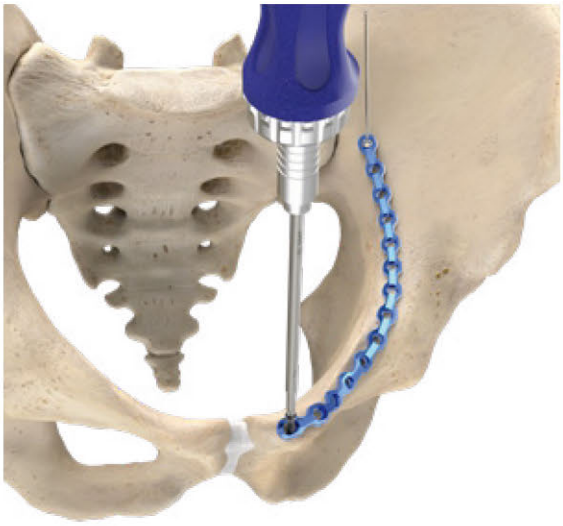
Figure 20

3. Drilling

With provisional reduction confirmed, drill using the 2.8 mm Drill Bit and the 2.8mm Drill Guide through a hole in the desired location on the plate. Utilizing the Depth Gauge 0–150mm determine the proper screw length and insert the proper length 3.5mm Low profile cortical Screw.

Note: If the plate is being used in conjunction with the 6-Hole Pubic Symphysis Plate, align a slot in the anterior end of the plate with a hole or slot in the Pubic Symphysis Plate by overlapping the plates, and drill through both.

Figure 21



4. Screw Insertion

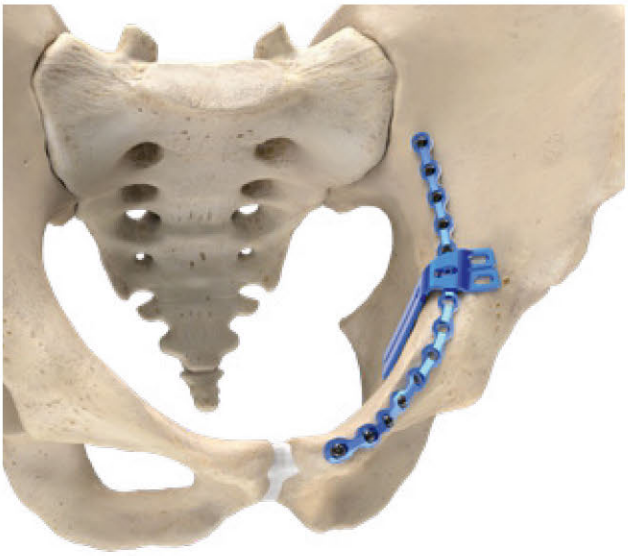
Connect the SW2.5 Screwdriver, Hex to the Small Ratchet Handle with Quick Release Connection and fully seat the 3.5mm Low profile cortical Screw by hand. Drill, measure, and install 3.5mm Low profile cortical Screw in the remaining holes of the plate at the surgeon's discretion. If the 6-Hole Pubic Symphysis Plate is installed in conjunction with the Anterior Brim Plate, complete Steps 5 through 6 in the Pubic Symphysis Surgical Technique.

Caution: Driving the screws into the plate under power could cause the screw heads to go through the plate. To avoid this, tighten screws into the plate by hand.

5. Screw Insertion

Ensure the quadrilateral surface is properly reduced in preparation for plate installation. If using the Quadrilateral Surface Plate, test fit the plate and make any final adjustments to the plate contour using Plate Benders

Figure 22



6. Screw Insertion

Align the dynamic compression slot in the Quadrilateral Surface Plate with a hole in the Anterior Brim Plate. Drill, measure, and install a 3.5mm Low profile cortical Screw.

Figure 23

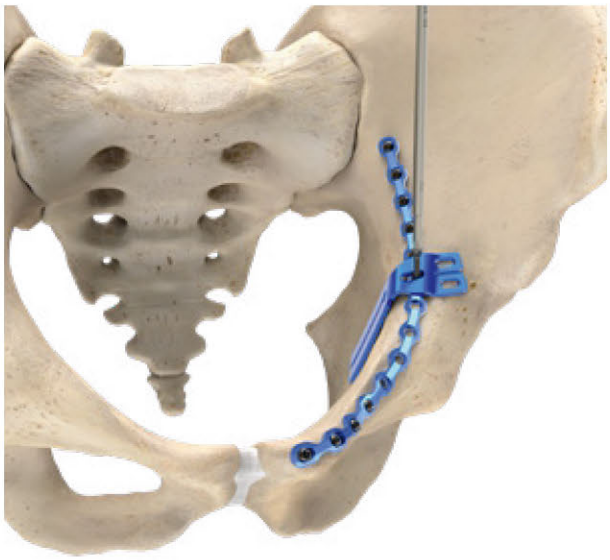
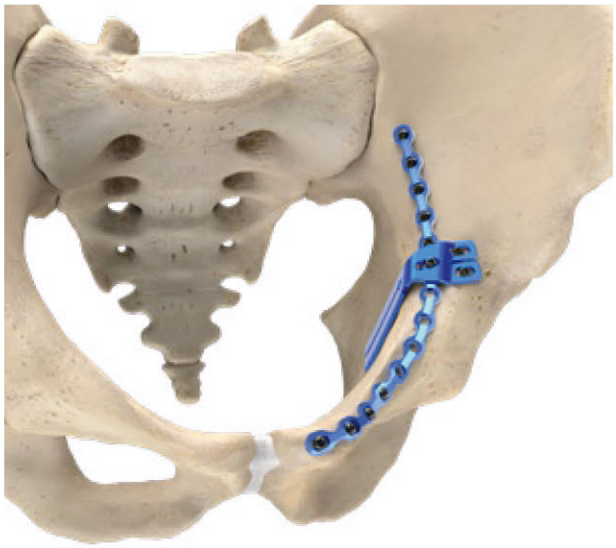


Figure 24



7. Confirmation

Drill, measure, and install 3.5mm Low profile cortical Screw Hexalobe Screws in the remaining holes of the plate, at the surgeon's discretion. Tighten the screws by hand. Confirm all screws have been seated in the plate(s). Close the surgical site(s) using preferred techniques.

Caution: Driving the screws into the plate under power could cause the screw heads to go through the plate. To avoid this, tighten screws into the plate by hand.

1. Exposure

Expose the medial wall of the acetabulum using a preferred surgical exposure. Reduce the acetabulum in preparation for plate Installation.

Figure 25

2. Fitting

Ensure the quadrilateral surface is properly reduced in preparation for plate installation. Test fit the Quadrilateral Surface Plate and make any final adjustments to the plate contour using a Large Plate Bender.

Caution: If bending the plate, please observe the following:
- Place bends in plate sections that do not have holes
- Use several small bends to achieve a smooth overall bend
- Do not bend, unbend, and re-bend more than once

Figure 26

Figure 27

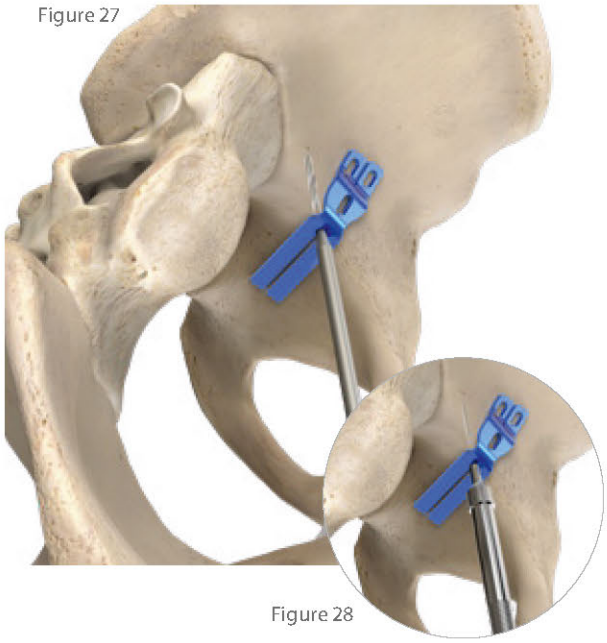
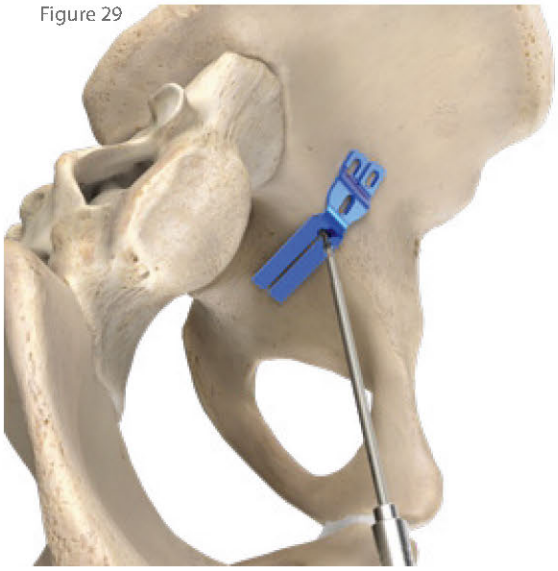


Figure 28

3. Drilling

With reduction confirmed, drill using the 2.8mm Drill bit and the 2.8mm Drill Guide. Through the hole between the fingers of the plate. Using the Depth Gauge 0–150mm, determine the proper screw length and insert the proper length cortical Screw. If a lateral window is created as part of the surgical procedure, the Quadrilateral Surface Plate can be installed per the instructions listed in the Anterior Brim Plate surgical technique.

Figure 29



4. Screw Insertion

Connect the SW2.5 Screwdriver, Hex to the Ratchet Handle and fully seat the 3.5mm Low profile cortical Screw by hand.

Caution: Driving the screws into the plate under power could cause the screw heads to go through the plate. To avoid this tighten screws into the plate by hand.

1. Fitting

Test fit the Intrapelvic Plate. Make any final adjustments to the plate contour using Bending Forceps or the Large Plate Bender.

Note: If bending the plate using the Bending Forceps, observe the following:
• For in-plane bending, insert the plate parallel to the bending piston. Situate the plate such that the piston is between holes. Compress the handle to bend the plate

Caution: If bending the plate, please observe the following:
• Place bends in plate sections that do not have holes
• Use several small bends to achieve a smooth overall bend
• Do not bend, unbend, and re-bend more than once

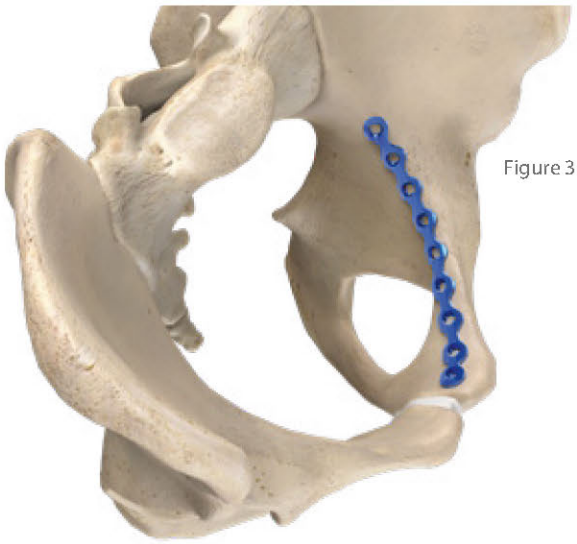


Figure 30

2. Drilling

With provisional reduction confirmed, drill using the 2.8mm Drill bit and 2.8mm Drill Guide through a hole in the posterior end of the plate. Using the Depth Gauge 0–150 mm, determine the proper screw length and insert the proper length 3.5mm Low profile cortical Screw.

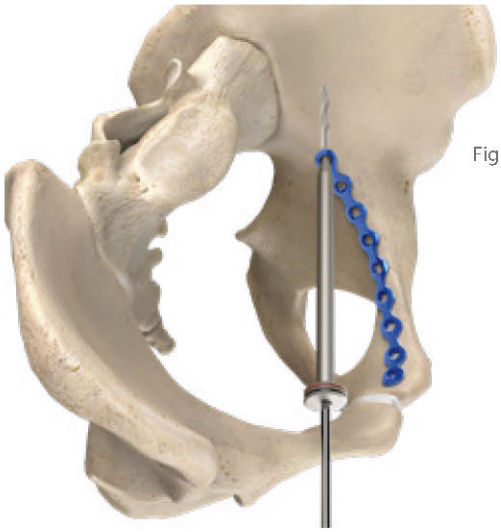
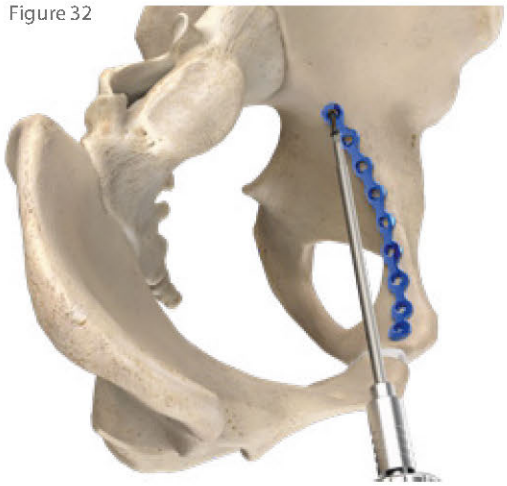


Figure 31

Figure 32



3. Screw Insertion

Connect the SW2.5 Screwdriver, Hex to the Ratchet Handle and fully seat the 3.5mm Low profile cortical Screw by hand.

Caution: Driving the screws into the plate under power could cause the screw heads to go through the plate. To avoid this, tighten screws into the plate by hand.

Figure 33

4. Reduction and Placement

Use the Plate Reduction Clamp to help reduce the plate to the bone and move plate to appropriate area.

5. Screw Insertion

Drill, measure, and install 3.5mm Low profile cortical Screw. in the remaining holes of the plate, at the surgeon's discretion. Tighten the screws by hand. Confirm all screws have been seated in the plate(s). Close the surgical site(s) using preferred techniques.

Caution: Driving the screws into the plate under power could cause the screw heads to go through the plate. To avoid this, tighten screws into the plate by hand.

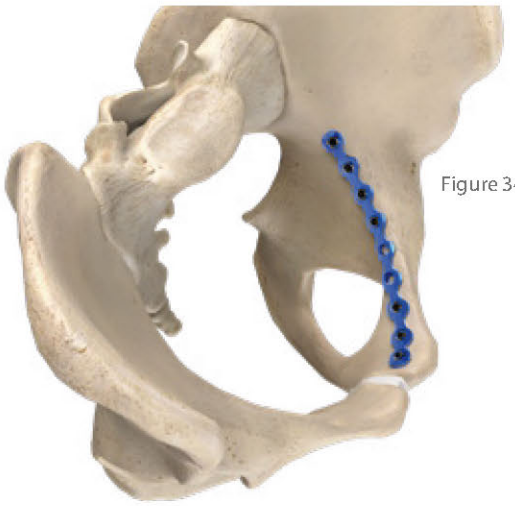


Figure 34

Figure 35

1. Exposure

Expose the posterior wall of the acetabulum using a preferred surgical exposure. Reduce the acetabulum in preparation for plate Installation.

Figure 36

2. Fitting

Test fit the selected Posterior Wall Acetabular Fragment Plate Make any final adjustments to the plate contour using the Large Plate Bender or Bending Forceps Use provisional K-wires between the prongs of the plate. If bending the plate using the Bending Forceps observe the following:

• For in-plane bending, insert the plate parallel to the bending piston. Situate the plate so that the piston is between holes. Compress the handle to bend the plate

Caution: If bending the plate, please observe the following:

• Place bends in plate sections that do not have holes

• Use several small bends to achieve a smooth overall bend

3. Drilling

Drill using the 2.8mm Drill bit and 2.8mm Drill Guide through a hole in the distal end of the plate. Using the Depth Gauge 0–150 mm determine the proper screw length and insert the proper length 3.5mm Low profile cortical Screw.

Figure 37

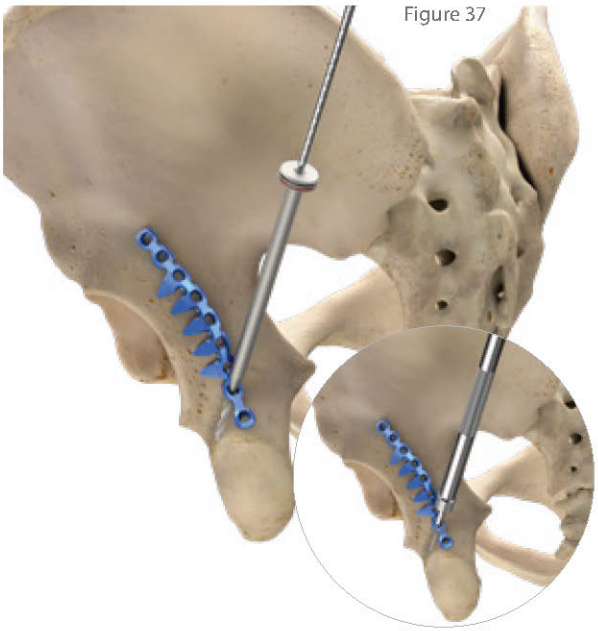


Figure 38

4. Screw Insertion

Connect the SW2.5 Screwdriver, Hex to the Ratchet Handle and fully seat the 3.5mm Low profile cortical Screw by hand.

Caution: Driving the screws into the plate under power could cause the screw heads to go through the plate. To avoid this, tighten screws into the plate by hand.

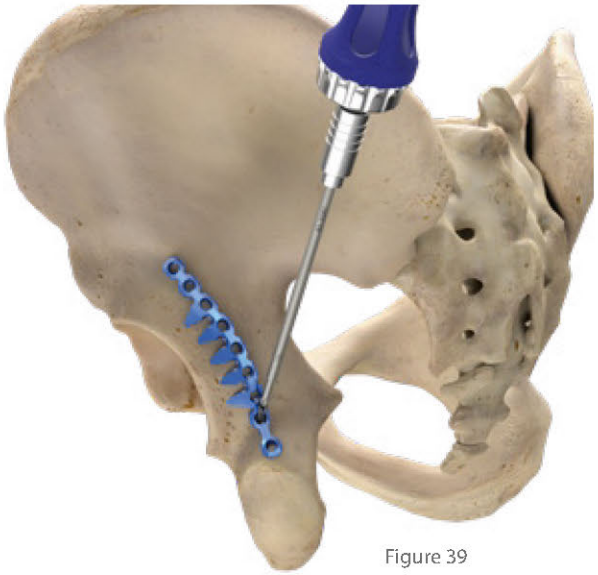


Figure 39

Figure 41

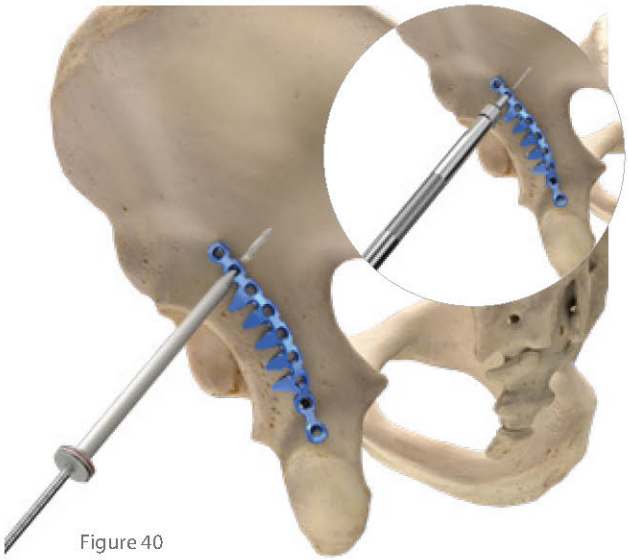


Figure 40

5. Drilling

Drill a hole through the proximal end of the plate using the 2.8mm Drill bit and the 2.8 mm Drill Guide. Utilizing the Depth Gauge 0–150 mm, determine the proper screw length and insert the proper length 3.5mm Low profile cortical Screw.

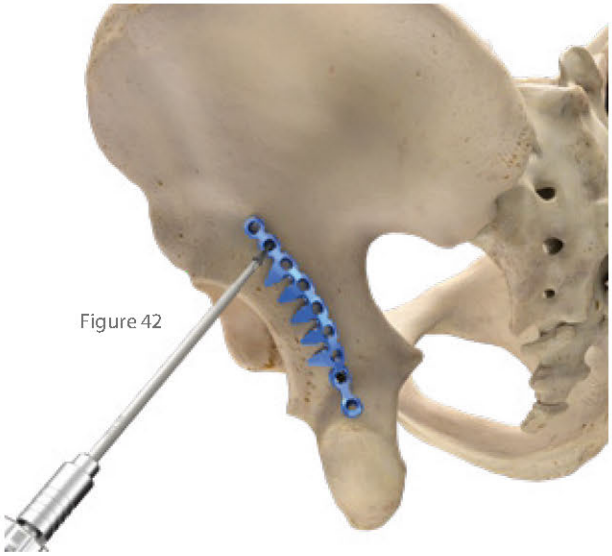


Figure 42

6. Screw Insertion

Insert a 3.5mm Low profile cortical Screw. Fully seat the screw in the plate by hand. Ensure the prongs on the plate do not encroach into the joint space.

Caution: Driving the screws into the plate under power could cause the screw heads to go through the plate. To avoid this, tighten screws into the plate by hand.

7. Screw Insertion

Drill, measure, and install 3.5mm Low profile cortical Screw. In the remaining holes of the plate, at the surgeon's discretion. Tighten the screws by hand. Confirm all screws have been seated in the plate. Close the surgical site(s) using preferred techniques.

Caution: Driving the screws into the plate under power could cause the screw heads to go through the plate. To avoid this, tighten screws into the plate by hand.

Figure 43

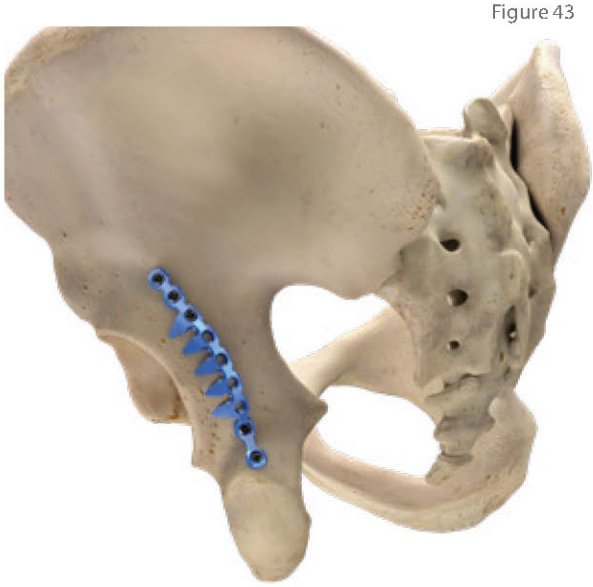
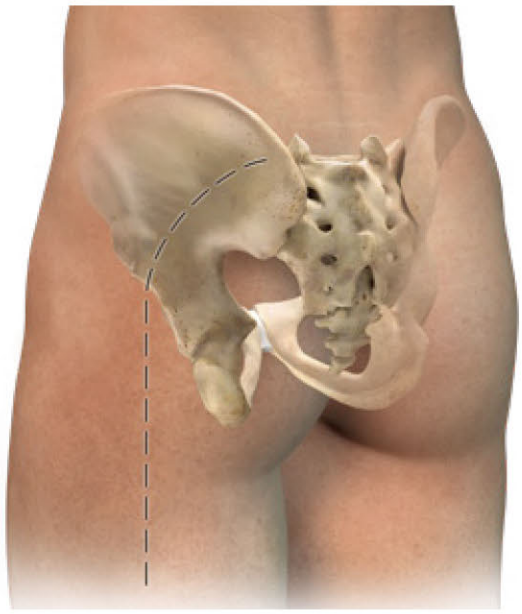


Figure 44



1. Exposure

Expose the posterior wall of the acetabulum using a preferred surgical exposure. Reduce the acetabulum in preparation for plate installation. If spring plates will be used in conjunction with the Posterior Wall Plates, continue on to the next step. If not, skip to Step 5.

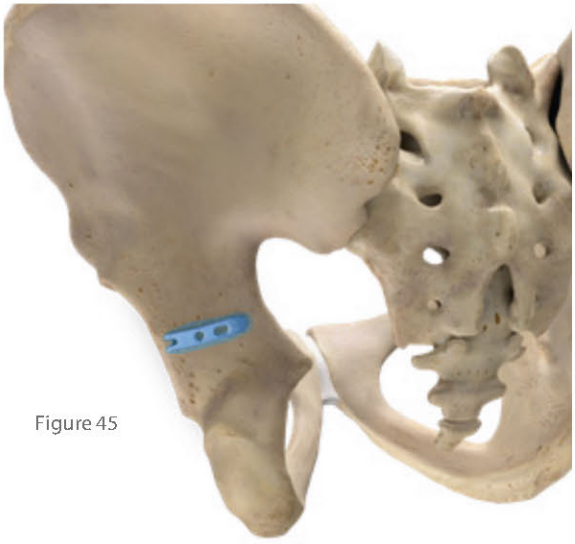


Figure 45

2. Fitting

Test fit the Acetabular Spring Plate
Make any final adjustments to the plate contour using the Large Plate Bender

Caution: If bending the plate, please observe the following:
- Place bends in plate sections that do not have holes
- Use several small bends to achieve a smooth overall bend
- Do not bend, unbend, and re-bend more than once

3. Drilling

With reduction confirmed, drill using the 2.8mm Drill bit and 2.8mm Drill Guide through the neutral slot in the plate. Using the Depth Gauge 0–150mm determine the proper screw length and insert the proper length 3.5mm Low profile cortical Screw.

Figure 46

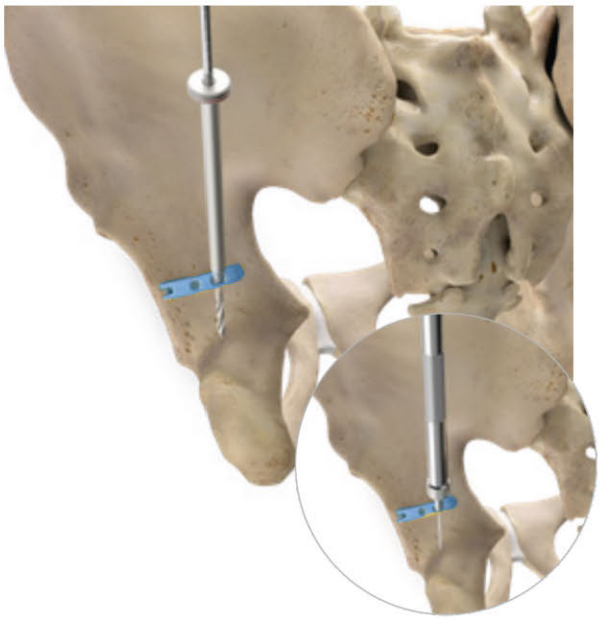


Figure 47

4. Screw Insertion

Connect the SW2.5 Screwdriver, Hex to the Small Ratchet Handleand insert a 3.5mm Low profile cortical Screw. Leave this screw partially tightened to allow for final plate alignment. If the surgeon anticipates no further adjustments, fully seat the screw by hand in the neutral slot. Drill, measure, and install 3.5mm Low profile cortical Screw in the remaining holes of the plate, at the surgeon's discretion. Ensure the prongs of the Acetabular Spring Plate do not encroach into the hip joint.

Caution: Driving the screws into the plate under power could cause the screw heads to go through the plate. To avoid this, tighten screws into the plate by hand.

Figure 48

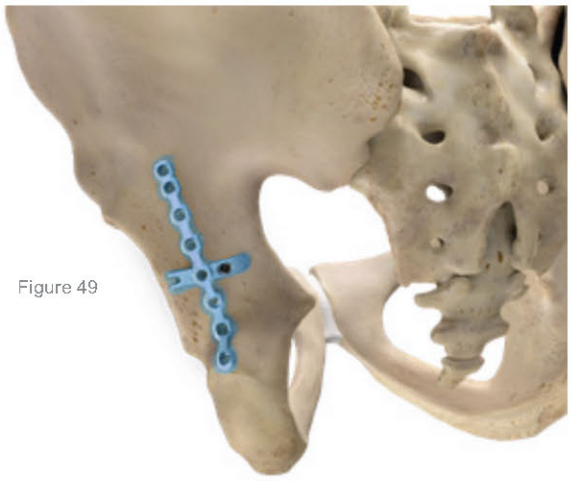


Figure 49

5. Fitting

Test fit the selected Posterior Wall Acetabular Plate
Make any final adjustments to the plate contour
using the Large Plate Bender or Bending Forceps

Caution: If bending the plate using the Bending Forceps, observe the following:
• For in-plane bending, insert the plate parallel to the bending piston. Situate the plate so the piston is between holes. Compress the handle to bend the plate.

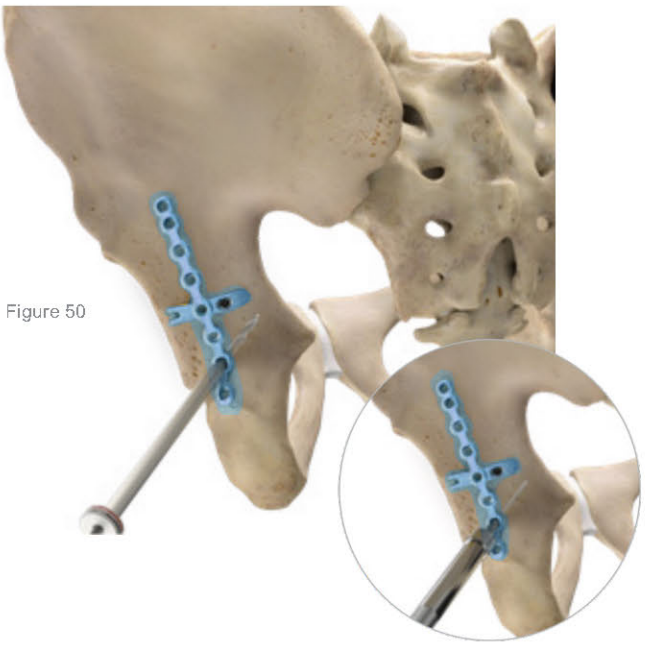


Figure 50

Figure 51

6. Drilling

Drill using the 2.8mm Drill bit and 2.8mm Drill Guide through a hole in the distal end of the plate. Utilizing the Depth Gauge 0–150mm determine the proper screw length and insert the proper length 3.5mm Low profile cortical Screw.

7. Screw Insertion

Connect the SW2.5 Screwdriver, Hex to the Ratchet Handle and fully seat the 3.5mm Low profile cortical Screw by hand.

Caution: Driving the screws into the Posterior Wall Acetabular Plate under power could cause the screw heads to go through the plate. To avoid this, tighten screws into the plate by hand.

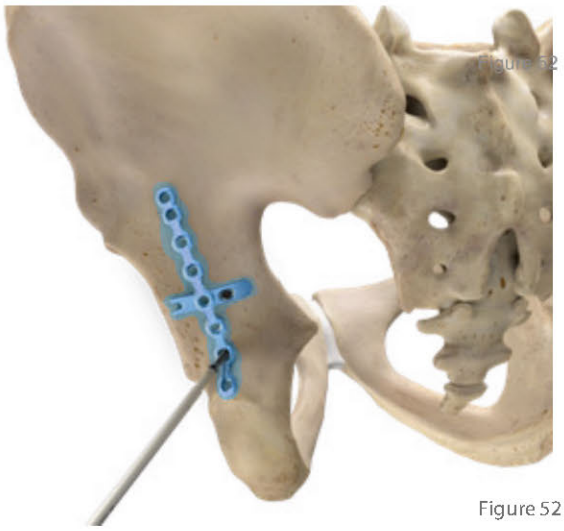


Figure 52

8. Drilling

Drill a hole through the proximal end of the plate using the 2.8mm Drill bit and the 2.8mm Drill Guide. Using the Depth Gauge 0–150mm determine the proper screw length and insert the proper length 3.5mm Low profile cortical Screw.

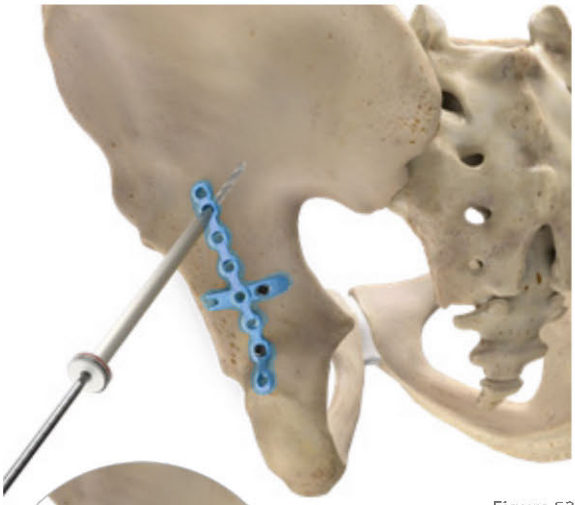


Figure 53

Figure 54

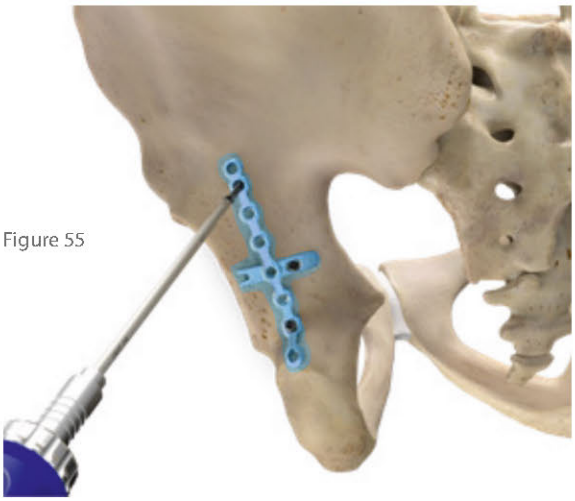


Figure 55

9. Screw Insertion

Insert a 3.5mm Low profile cortical Screw. Fully seat the screw in the Posterior Wall Acetabular Plate by hand. Ensure the prongs on the plate do not encroach into the joint space.

Caution: Driving the screws into the plate under power could cause the screw heads to go through the plate. To avoid this, tighten screws into the plate by hand.

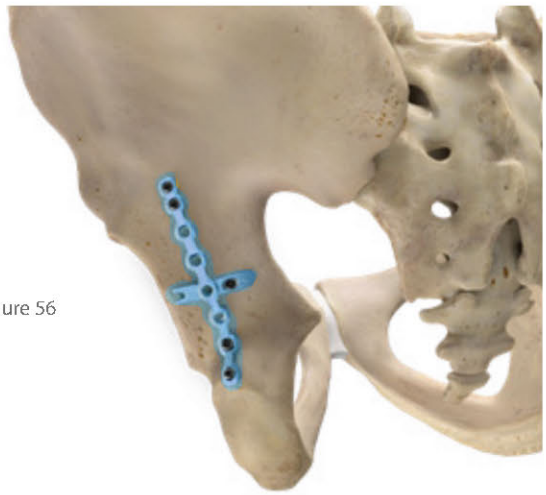


Figure 56

10. Screw Insertion

Drill, measure, and install 3.5mm Low profile cortical Screw. in the remaining holes of the plate, at the surgeon's discretion. Tighten the screws by hand. Confirm all screws have been seated in the plate(s). Close the surgical site(s) using preferred techniques.

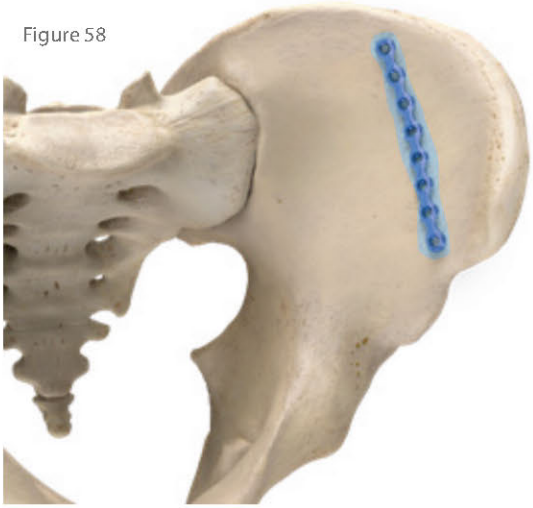
Caution: Driving the screws into the plate under power could cause the screw heads to go through the plate. To avoid this, tighten screws into the plate by hand.

Figure 57

1. Exposure

Expose the area of the pelvis to be repaired using a preferred surgical exposure. Reduce the fracture in preparation for plate Installation.

Figure 58



2. Fitting

Select the proper length Reconstruction Pelvis Plate for the application. Test fit the plate. Make any final adjustments to the plate contour using the Large Plate Bender and or Bending Forceps. The plate can also be trimmed to length using the Plate Cutters Forceps. Provisionally attach the plate using Fixation Pin.

Caution: If bending the plate, please observe the following:
- Place bends in plate sections that do not have holes
- Use several small bends to achieve a smooth overall bend
- Do not bend, unbend, and re-bend more than once

Note: If bending the plate using the Bending Forcep, observe the following:
- For in-plane bending, insert the plate parallel to the bending piston. Situate the plate such that the piston is between holes. Compress the handle to bend the plate

3. Drilling

With reduction confirmed, drill using the 2.8mm Drill bit and 2.8mm Drill Guide through a desired hole in the plate. Using the Depth Gauge 0–150mm, determine the proper screw length and insert the proper length 3.5mm Low profile cortical Screw.

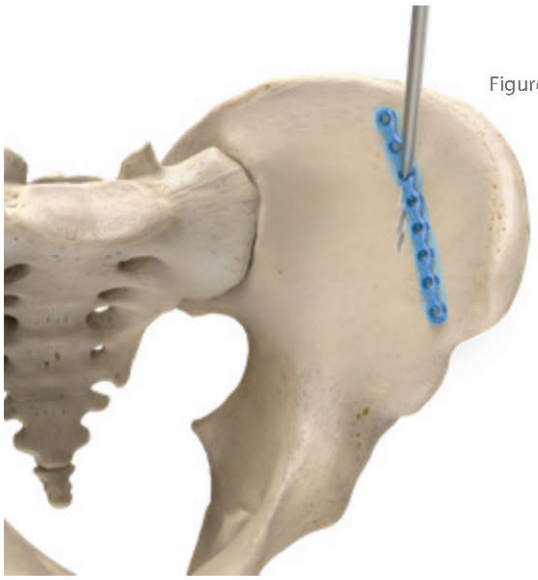


Figure 59

Figure 60

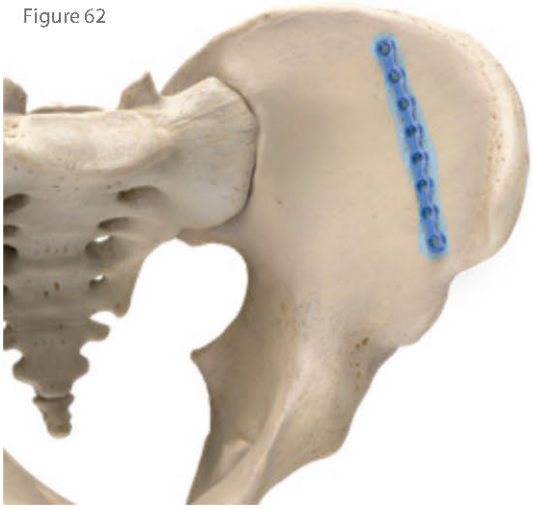
4. Screw Insertion

Connect the SW2.5 Screwdriver, Hex to the Ratchet Handle and insert a 3.5mm Low profile cortical Screw.

Caution: Driving the screws into the plate under power could cause the screw heads to go through the plate. To avoid this possible consequence, screws should be tightened into the plate by hand.

Figure 61

Figure 62



4. Screw Insertion

Drill, measure, and install 3.5mm Low profile cortical Screw in the remaining holes of the plate, at the surgeon's discretion. Tighten the screws by hand. Confirm all screws have been seated in the plate(s). Close the surgical site(s) using preferred techniques.

Caution: Driving the screws into the plate under power could cause the screw heads to go through the plate. To avoid this, tighten screws into the plate by hand.

1. Exposure

Expose the area of the pelvis to be repaired using a preferred surgical exposure. Reduce the fracture in preparation for plate installation. The Interlocking Reconstruction Plate can be used with other plates in the system. Install a first plate as indicated in the corresponding surgical technique.
The Interlocking Reconstruction Plate can be oriented to allow the user to pass a 3.5mm Low profile cortical Screw. through this plate and the previously installed plate using the plate's overlapping feature. This is done by first trimming the unused portion of the plate using the Plate Cutting forceps.

Figure 63

2. Fitting

Once the plate is trimmed for the application, it can be contoured to fit the desired location on the pelvis using the Large Plate Bender and or the Bending Forceps
The plate can then be provisionally attached to bone using Fixation Pin.

Caution: If bending the plate, please observe the following:
- Place bends in plate sections that do not have holes
- Use several small bends to achieve a smooth overall bend
- Do not bend, unbend, and re-bend more than once

Note: If bending the plate using the Bending Forceps, observe the following:
- For in-plane bending, insert the plate parallel to the bending piston. Situate the plate so the piston is between holes. Compress the handle to bend the plate.

Figure 64

Figure 65

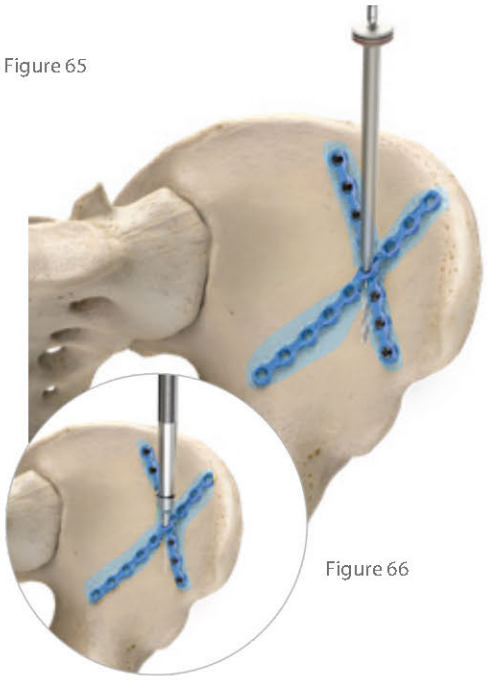
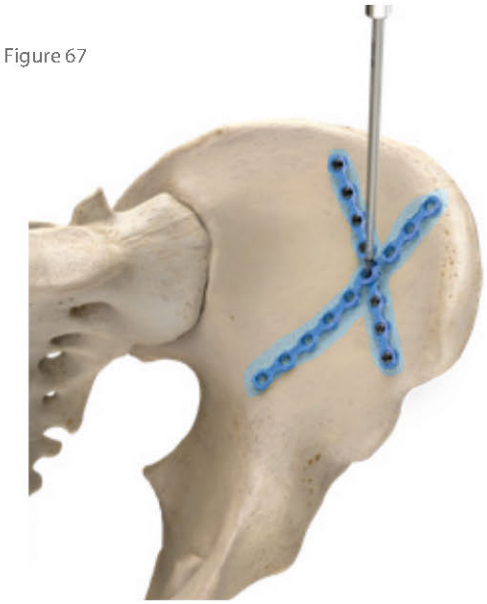


Figure 66

3. Drilling

With reduction confirmed, drill using the 2.8mm Drill bit and 2.8mm Drill Guide through the location in the plate construct that passes through a hole in both plates. Using the Depth Gauge 0–150mm, determine the proper screw length and insert the proper length 3.5mm Low profile cortical Screw.

Figure 67



4. Screw Insertion

Connect the SW2.5 Screwdriver, Hex to the Ratchet Handle and insert a 3.5mm Low profile cortical Screw. Leave this screw partially tightened to allow for final plate alignment. If the surgeon anticipates no further adjustments, fully seat the screw by hand.

Caution: Driving the screws into the plate under power could cause the screw heads to go through the plate. To avoid this, tighten screws into the plate by hand.

5. Screw Insertion

Drill, measure, and install 3.5mm Low profile cortical Screw in the remaining holes of the plate, at the surgeon's discretion. Tighten the screws by hand. Confirm all screws have been seated in the plate(s). Close the surgical site(s) using preferred techniques.

Caution: Driving the screws into the plate under power could cause the screw heads to go through the plate. To avoid this, tighten screws into the plate by hand.

Figure 68

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