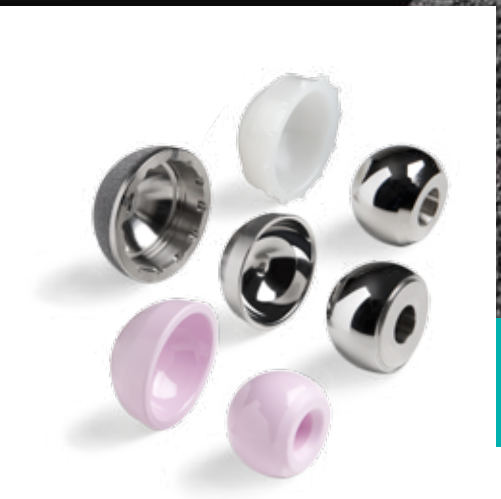
Zimmer® Continuum® Acetabular System

Surgical Technique



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Personal Fit. Renewed Life.™

Device Description

- The *Continuum* Shell is hemispherical in shape with an exterior of *Trabecular Metal*™ Material that is bonded to a *Tivanium*® alloy substrate. The shell has a snap fit locking groove for acceptance of the *Longevity*® Highly Crosslinked Polyethylene Neutral or Elevated Liners. Twelve scallops, equally spaced in 30° increments on the shell face mate with twelve anti-rotation tabs on the *Longevity* Liners. The shell also has an integrated locking taper mechanism designed to accept *Metasul*® or *BIOLOX*®* *delta* hard bearing liners.

N **Note: The size 40 Shells are not designed to accept the Hard Bearing Liners and therefore do not have the integrated taper locking mechanism.**

* *BIOLOX*® is a trademark of CeramTec GmbH.

Acetabular Reamer
54mm Reamer has a 54mm O.D.

Shell Provisional
54mm Provisional has a 54mm O.D.

Acetabular Cup
54mm *Continuum* Cup has a 54mm O.D.

Introduction

- The labeled outside diameter (O.D.) of the acetabular cup represents the true hemispherical diameter of the Implant. An appropriate undersized reamer must be used to prepare the acetabulum if a press-fit condition is desired.
- The amount of press fit used should be determined at the time of surgery and be based on bone quality.
- Shell Implants are labeled with the exterior size and a corresponding two letter code (e.g. 56 KK). The matching Liner Implants are identified with the matching letter code and head diameter (e.g. 28 KK, 32 KK or 36 KK).

Templating

- The primary goal of templating is to estimate the size and position of the acetabular Implant.
- 45 degrees of abduction and 20 degrees of forward flexion is recommended in most cases. Use of the alignment guides with various patient positions is outlined in later sections of the technique.
- To increase the accuracy of templating, digital imaging or x-rays with magnification markers should be used. The magnification of the x-rays and the templates should be compared when sizing the Implant.

Templating should start with the A/P radiograph. **(Fig. 1)**

- The component should be positioned no more medial than the cotyloid notch or against the radiographic tear drop.
- To avoid vertical cup placement a line drawn along the cup template opening should intersect the obturator foramen.
- It may be helpful to cross-check the acetabular component size on the lateral radiograph, which can provide a view of the hemispherical subchondral bone.
- The largest component that meets these requirements should be selected. However, the final decision on component size should be made during surgery, when all aspects of the acetabulum can be fully visualized.

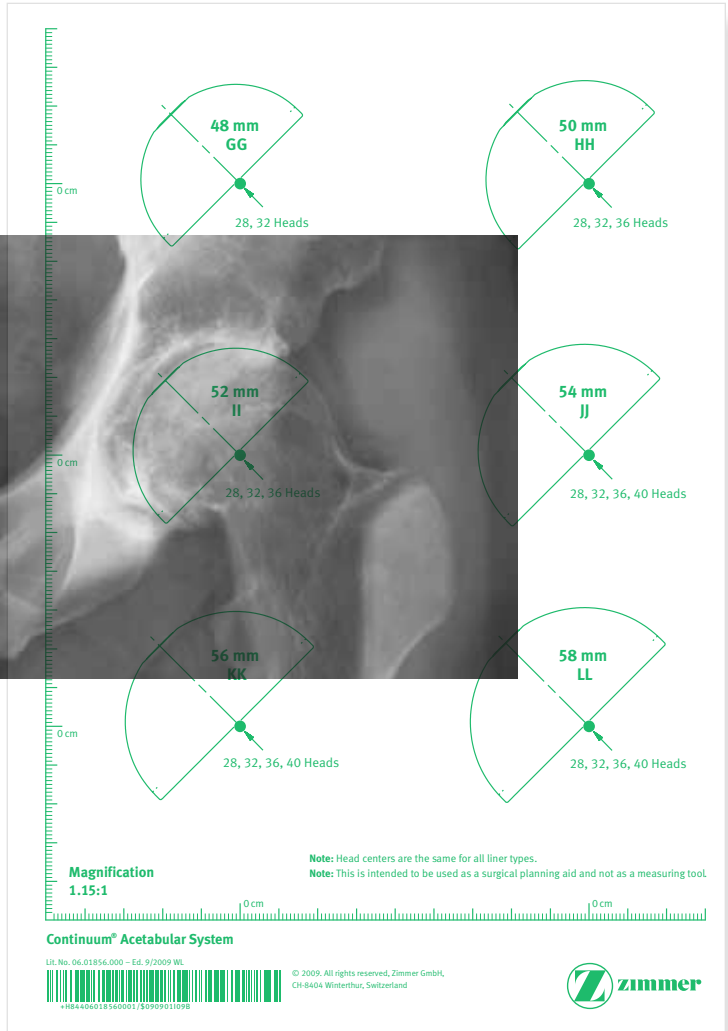


Fig. 1

AP Templating View.

Surgical Approach

The *Continuum* Cup may be implanted using a variety of standard surgical approaches.

Note: While the surgeon's approach may vary, the approach must provide adequate exposure to visualize the entire acetabular rim.

Acetabular Preparation

Excise the acetabular labrum and remove any large peripheral osteophytes. Excise the ligamentum teres to expose the true floor of the acetabulum.

Note: It is important to visualize the entire bony rim of the acetabulum to reduce the likelihood of soft tissue entrapment which may prevent the cup from seating during insertion.

Note: The 38mm IT Provisional Sizer is used to assess the size of the reamed cavity. There is no corresponding size 38mm Implant.

Acetabular Reaming

- From templating and preoperative planning, determine the desired head position.
- Start with a smaller reamer and proceed to the next largest reamer in 1-2mm increments. Reaming depth is based on bone quality but usually is completed after bleeding cancellous bone is exposed.

Note: Take extra care to avoid eccentric reaming by holding the reamer steady. Apply constant pressure in the recommended final Implant orientation of 45 degrees of abduction and 20 degrees of forward flexion.

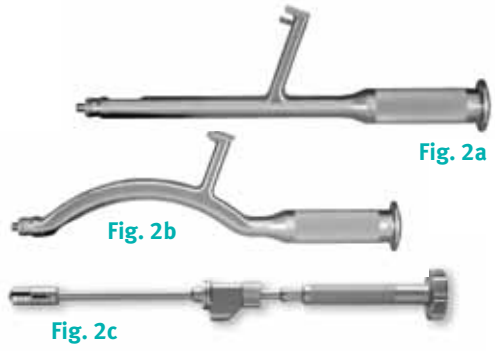
Caution: Throughout the entire procedure, take care in handling sharp Implants or Instruments.

Shell Provisional Insertion and Alignment

- Proper care must be taken to assess bone quality and to determine the appropriate Implant size and type.
- You may use either the Straight Shell Inserter **(Fig. 2a)**, Hybrid Offset Shell Inserter **(Fig. 2b)** or the *Trilogy*® Cup Positioner **(Fig. 2c)** with the appropriate metal cap to Insert the Provisional Shell.

If using the Straight Shell Inserter or Hybrid Offset Shell Inserter:

- Place the Shell Inserter Adapter, with or without Rotational Control, onto the tip of either the Straight Shell Inserter or Hybrid Offset Shell Inserter. **(Fig. 3)**
- Insert a Ball Head Hex Driver through the window and into the locking Screw at the tip of the Inserter. **(Fig. 4)**
- While holding the Shell Provisional in place, securely thread the Locking Screw into the Polar Hole of the Shell Provisional.
- Attach the Alignment Frame or Gunsight Alignment Guide to the Inserter and tighten the Thumb Screw.



Shell and Provisional Shell Inserter Options

Fig. 3

The Shell Inserter with Adaptor mating with the Provisional Shell.

Fig. 4

Attaching the Shell Provisional to the Inserter Handle using the Hex-Head Driver.

Note: The Alignment Support Frame on the Shell Inserter will not be vertical to the floor and should not be used as a positioning guide. (Fig. 5) The arms on the Guide are used to correctly position the Provisional Shell and/or Implant. See the diagrams for use instructions on the lateral and supine approaches (Pages 16-19).

- With the Shell Provisional in the appropriate alignment, use a mallet to impact the handle of the Inserter. To prevent thread damage, verify that the Locking Screw is fully tightened to the Shell as repetitive impacts could cause the screw to loosen.
- The Shell Provisional has fenestrations to assess proper cup seating inside the acetabulum.
- When the Shell Provisional is fully seated, turn the Driver counterclockwise to loosen the attachment Screw on the Inserter.
- Remove the Inserter.

If using the *Trilogy* Cup Positioner **(Fig. 6)**:

- Select the appropriate Positioner cap based on shell size **(Fig. 7)**

  · Shells 40-46mm use the Micro Cap
  · Shells 48-80mm use Cap
- Thread the Shell Provisional onto the Positioner until secure.
- Rotate the Alignment Connector to achieve desired shell screw hole orientation.
- Fix the Alignment Connector into place by tightening the Locking Nut.
- Using the small slaphammer on their shafts, impact one of the following Alignment guides in the alignment connector to engage onto the taper:

  · Lateral A-Frame Alignment Guide
  · Supine A- Frame Alignment Guide
  · Lateral Gunsight Alignment Guide
  · Supine Gunsight Alignment Guide

If using Lateral or Supine Gunsight Alignment Guide, insert Alignment Rod into appropriate hole (Left or Right).

See the diagrams for use instructions on the lateral and supine approaches (Pages 16-19).

- With the Shell Provisional in the appropriate alignment, use a mallet to impact the handle of the Positioner.
- When the Shell Provisional is fully seated unscrew the Positioner from the Shell Provisional.

Fig. 5

Do not use the support frame to align the Provisional Shell or Shell Implant.

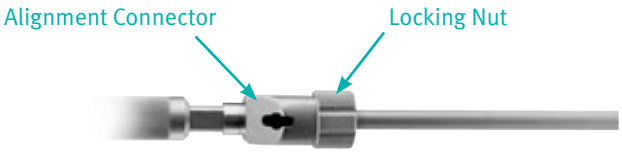


Fig. 6

Trilogy Cup Positioner

Fig. 7

Trilogy Micro Cap and Cap

Provisional Liner Insertion

Inserting the Provisional Liner

- There are two different Provisional Liners. One with a Locking Screw Permanently Affixed within the Provisional Liner and one with a Locking Screw that is Independent of the Provisional Liner.

Note: The Permanently Affixed Locking Screw should not be removed.

- Select the Provisional Liner size that matches the selected Provisional Shell.
- The selected Shell Provisional will be identified through a size and a two letter code (e.g. 50 HH). There are different inner diameter Implant sizes available for each Shell size. The Provisional Liner will be identified by letter code matching the Shell diameter and desired inner diameter (e.g. 32 HH).
- Both types of Provisional Liners are inserted the same way; however, the Provisional Liner with Independent Locking Screw must first be assembled by using a Hex-head Driver to insert the Provisional Locking Screw through the Polar Hole of the Provisional Liner. The Provisional Locking Screw will have a silver ring.
- For both types of Provisional Liners, the smallest Neutral Provisional Liners in head sizes 28mm 32mm, 36mm and 40mm (28 DD, 32 FF, 36 HH and 40 JJ) do not have a Locking Screw and seat with a peg feature.
- Insert the Provisional Liner by hand into the Provisional Shell.
- If applicable, ensure that the anti-rotation tabs of the Provisional Liner are engaged in the Shell scallops.

Note: Do not impact the Provisional Liner as damage may occur.

- Thread the Locking Screw into the Polar Hole of the Shell Provisional.

Trial Range of Motion

- Insert a head/neck Provisional onto the Implanted Stem or Rasp Cone Provisional and perform a trial reduction.
- Check for stability and range of motion.
- Remove the Provisional components.

Note: Refer to Zimmer's product compatibility website, www.productcompatibility.zimmer.com, to determine compatibility among all selected components.

Implant Insertion

If using the Straight Shell Inserter or Hybrid Offset Inserter:

- There are two Adapters for the Inserter Handles. The Adapter with Rotational Control locks to prevent the Implant from rotating freely on the Inserter handle. If this Adapter is used with a Cluster Hole Shell, the dark etch on the Adapter should be in line with the alignment frame on the Inserter to allow for Cluster Hole placement in the posterior superior and posterior inferior quadrants.

Note: The Shell Inserter Adapter without Rotational Control will allow the Implant to rotate freely on the Inserter. Use this Adapter when it is necessary to position the Screw Holes in a specific location within the acetabulum.

- The Shell Inserter Adapter with Rotational Control has two pins that will fit into slots at the tip of the Inserter. These pins are not found on the Shell Inserter Adapter without Rotational Control.
- To insert the implant, follow the same procedure described previously for inserting provisional shells using the Straight Shell Inserter or Hybrid Offset Shell Inserter.

If using the *Trilogy* Cup Positioner:

- The *Trilogy* Cup Positioner does not have rotational control. Control of implant orientation is at the discretion of the surgeon and can be adjusted by rotating the position of the Alignment Connector relative to the shaft of the *Trilogy* Cup Positioner.
- To insert the implant, follow the same procedure described previously for inserting provisional shells using the *Trilogy* Cup Positioner.

- With the Implant in the appropriate position and alignment, use a mallet to impact the handle of the Inserter.
- When the Implant is fully seated, turn the Driver counterclockwise to loosen the Attachment Screw on the Inserter.
- Remove the Inserter.

N **Note: The impact required to seat the Implant is dictated by the bone quality.**

N **Note: Do not lever on the Shell or the Shell Inserter to reposition the Implant, as damage may occur to the threads or inner diameter of the Shell.**

N **Note: The potential for neurologic and vascular injury can be minimized if the posterior quadrants are used for transacetabular screw placement.* The Shell should be positioned to allow screw placement in the posterior superior and/or posterior inferior quadrants of the acetabulum. (Fig. 8) The *Continuum* Screw Holes are located closer to the Polar region as compared to the *Trabecular Metal* Shell.**

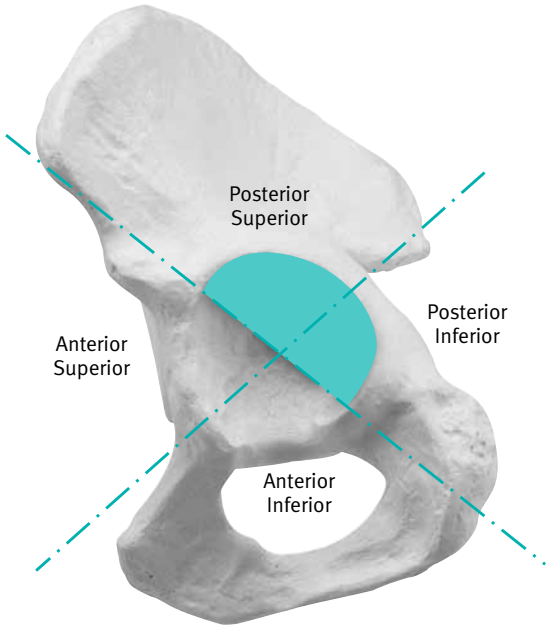


Fig. 8

Correct location for Screw placement in shaded regions.

* Wasielewski RC, Cooperstein LA, Kruger MP, Rubash HE. Acetabular anatomy and the transacetabular fixation of screws in total hip arthroplasty. *J Bone Joint Surg.* 1990:72-A(4);501-508.

Screw Insertion

If Screw placement is desired:

- Carefully following these steps for Screw insertion can help to minimize Screw push through or torque out after initial Implantation.
- Drill a pilot hole, using either a Modular or one-piece Flex Drill.
- If using the Modular Flex Drill attach the selected bit using the Hex Wrench **(Fig. 9)**. Check the bit to ensure that it is not dull.
- Position the Adjustable Drill Guide and Flex Drill into the selected Screw Hole. **(Fig. 10)**
- The screw angle may vary by as much as 36 degrees (inclusive). The effective lengths of the three drill bits available are 15mm, 30mm and 45mm.
- Upon seating of the drill bit completely into the drill guide, the drilled holes will correspond to the effective length of the drill bit.
- For sclerotic bone, an option may be to tap the Screw hole.
  - Attach the Modular Tap Shaft into the Modular Handle by pulling back on the snap-lock collet and aligning the hole in the shaft with the etched line on the collet.
  - Attach the appropriate Tap to the Modular Tap Shaft.
  - Bicortical tapping the entire depth should be done with care by turning the Tap Handle clockwise.

Set Screw Removal

- To loosen the set screw, turn it counterclockwise until the thread fully disengages from the flexible shaft. The set screw will be captured in the flexible drill shaft between the threads and the screw stop. **(Fig. 11)**
- Alternatively, the set screw can be removed by turning it clockwise to fully disengage the set screw and placed into the set screw holder in the instrument tray.
- After either loosening or removing the set screw, remove the drill bit.

Fig. 9

Attaching the bit to the Flex Drill with the Hex Wrench.

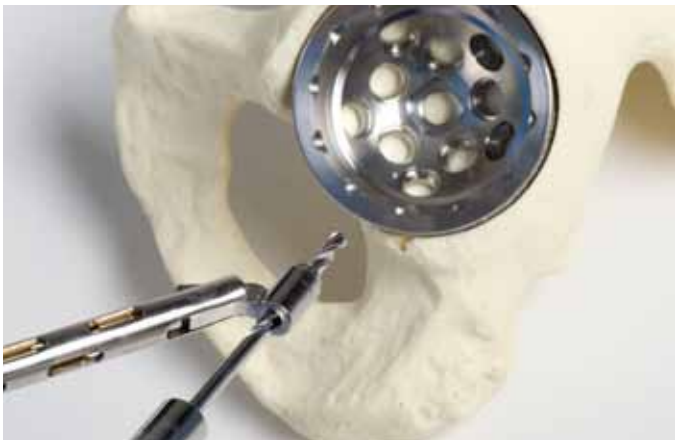


Fig. 10

Inserting the Adjustable Drill Guide and Modular Flex Shaft into the Shell.

Fig. 11

Loosening the Flex Drill set screw.

After drilling the pilot or tapping the Screw hole:

- Use the Depth Gauge to measure the depth of the Screw hole. **(Fig. 12)**
- Select the appropriate length *Trilogy* Screw.
- Use a Screwdriver to insert it into the selected Screw hole. Screws cannot be inserted into the Polar Hole at the Dome of the Shell. **(Fig. 13)**

Note: Countersink screw heads below the interior surface of the shell to prevent the liner from contacting the screw head. Ensure that the screw heads are properly seated. (Fig. 14) Screw heads that protrude in to the inner shell can prevent adequate seating of the liner. Use a 3.2mm diameter drill prior to insertion of the 4.5 or 6.5mm diameter screws. Avoid penetration beyond the inner cortex of the pelvis when drilling holes and inserting screws.

- Place additional Screws as necessary.
- Carefully evaluate the bone quality, and avoid over tightening the Screws.
- To remove a Screw, engage the Screw with a Hex Head Driver and turn it counterclockwise.

Warning: Avoid Screw placement through the Shell into the anterior inferior and anterior superior quadrants of the acetabulum to prevent injury to the neurovascular structures.

Fig. 12

Using the Depth Gauge to measure the screw hole depth.

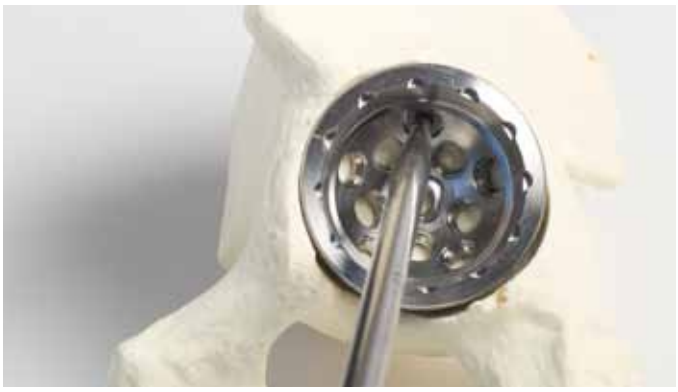


Fig. 13

Using a scewdriver to insert the screws.

Fig. 14

Checking to ensure that the screws are properly seated.

Optional Screw Hole Plugs

Screw Hole Plug

- Place a Screw Hole Plug on the appropriate Hex Head Driver to ensure it is perpendicular to the Screw Hole Plug.
- Align the Plug and Screw Hole until the Plug clearly drops into the Hole.

N **Note: The Screw Hole Plugs are slightly oval in shape and engage by providing an interference fit.**

- To lock the Plug, turn it in either direction. The Plug will lock in place with a partial turn.
- To remove the Hole Plug, turn in the opposite direction to release the interference fit. **(Fig. 15)**

N **Note: The Screw Hole Plugs cannot be used with size 40mm and size 42mm shells as the screw holes in these shells were not designed to accept a Screw Hole Plug.**

Provisional Liner Positioning

- Clean and dry the cup with a sterile cloth, wipe or sponge to remove third-body debris.
- Clear all soft tissue from around the perimeter of the Shell and assess visualization.
- Both types of Provisional Liners are inserted the same way; however, the Provisional Liner with Independent Locking Screw must first be assembled by using a Hex-head Driver to insert the Provisional Locking Screw through the Polar Hole of the Provisional Liner. The Provisional Locking Screw will have a silver ring.
- For both types of Provisional Liners, the smallest Neutral Provisional Liners in head sizes 28mm, 32mm, 36mm and 40mm (28 DD, 32 FF, 36 HH and 40 JJ) do not have a Locking Screw and seat with a peg feature.
- Insert the Provisional Liner by hand into the Provisional Shell.
- If applicable, ensure that the anti-rotation tabs of the Provisional Liner are engaged in the Shell scallops.

N **Note: Do not impact the Provisional Liner as damage may occur.**

- Thread the Locking Screw into the Polar Hole of the Shell Provisional.

Optional Dome Hole Plugs

- Insert a Plug into the Polar Hole and thread it into place.
- When correctly inserted the Plug will be slightly inset relative to the interior surface of the Shell, but it will be slightly proud within the recessed square at the pole. **(Fig. 16)**
- Take care not to overtighten the Dome Hole Plug.

Fig. 15

Screw Hole Plug insertion.

Fig. 16

Correct seating of the Polar Hole Plug.

Liner Insertion Instrument

Metasul or BIOLOX delta Liners

- Prior to inserting the hard bearing liner, ensure the interior of the Shell, the Liner and Liner Insertion Instrument are clean and dry. Also inspect the Shell to ensure that no damage occurred to the taper, Dome Hole Plugs or Screw Hole Plugs.
- *Metasul* or *BIOLOX delta* Liners can be inserted by hand or using the Liner Insertion Instrument.
- If using the Liner Insertion Instrument, follow these Assembly Instructions:
  - Insert the suction tip onto the shaft of the Instrument up to the etch line. Ensure that the shaft is bottomed out in the suction tip.
  - Saline or water can be used to lubricate the suction cup for easier assembly.
- Engage Liner and Liner Insertion Instrument by depressing the suction cup in the liner.
- Insert the Liner into the Shell.
- Remove the Liner Insertion Instrument by lifting up on the interior rod to release the vacuum. **(Fig. 17)**

N **Note: Do not impact the Liner Insertion Instrument. This is indicated on the Instrument using the following symbol.**

- Select the correct size Hard Bearing Rim Impactor or Dome Impactor, which will match the implant head size (28mm, 32mm, 36mm or 40mm).
- Align the pins on either the straight or curved Universal Handle with the keyhole slot on the underside of the Impactor. **(Fig. 18)**
- Push the Impactor onto the handle and twist it in either direction to lock it in place.

Fig. 17

Disengaging the Liner Insertion Instrument.

Fig. 18

Dome Impactor.

- Center either the *Metasul* or *BIOLOX delta* liner by rocking the Impactor handle with the attached Hard Bearing Rim Impactor prior to impaction **(Fig. 19)**. This will decrease the likelihood of incorrect liner seating.
- Palpate the liner to ensure it is uniformly seated prior to impaction.
- Place the Hard Bearing Rim Impactor or Dome Impactor on the liner.
- Firmly strike the Universal Handle once with a mallet to fully seat the liner.
- Verify that the liner is properly inserted. When fully inserted, it should be flush and level to the face of the Shell. **(Fig. 20)**

N **Note: Larger sized *Metasul* and *BIOLOX delta* Liners may be difficult to handle and assemble given their greater weight.**

Fig. 19

Rocking Impactor Handle to center Hard Bearing Liner.

Fig. 20

Verify that the Hard Bearing Liner is properly seated into the Shell.

Longevity Polyethylene Liner

- Prior to inserting the *Longevity* Liner, ensure that the Shell interior is clean and dry.
- Place the final polyethylene liner into the implanted Shell by hand, or use the Liner Insertion Instrument.
- If inserting by hand, spin the liner until scallops engage.

Note: Before impaction, the polyethylene liner will not be flush with the rim of the Shell.

Note: Smaller inner diameter *Longevity* Liners (i.e. 22mm) may not freely disengage from the Liner Insertion Instrument.

- Select the proper size Dome Impactor and attach it to the Universal Handle.
  - Align the pins on the Universal Handle with the keyhole slot on the underside of the Impactor.
  - Push the Impactor onto the handle and twist in either direction to lock it in place.
- Verify that the Liner is in the desired position prior to impacting the Liner.
- Place the Impactor on the Liner and strike the Liner until it is fully seated.

Note: Once Liner is seated within the Shell, it cannot be removed without causing damage to the Liner, necessitating removal and disposal.

Verifying Liner Seating

Neutral Liner Verify that the neutral polyethylene Liner is properly seated by running finger around the face of the Shell to ensure the Liner is flush. **(Fig. 21)**

Elevated Liner Verify the elevated polyethylene Liner is seated by running a finger around the exposed portion of the Shell face to ensure the Liner is flush relative to the face of the Shell **(Fig. 22)**. If additional Liner seating verification is desired gently move the elevated portion of the Liner to ensure that it is locked into place. **(Fig. 23)**

Final Reduction

Perform a final reduction and assess range of motion, hip stability, and limb length.

Liner Removal

- Upon removal of any liner, inspect the taper and polyethylene locking mechanisms for damage.
- Special care should be taken not to lever against the Shell during liner removal.
- Once the acetabular Shell taper has been deformed through assembly of a hard bearing insert (*BIOLOX delta* or *Metasul* insert), the Shell should not be used with another hard bearing insert.

Fig. 21

Verify that the Neutral Polyethylene Liner is properly seated into the Shell.

Fig. 22

Verify that the Elevated Polyethylene Liner is seated flush into the Shell.

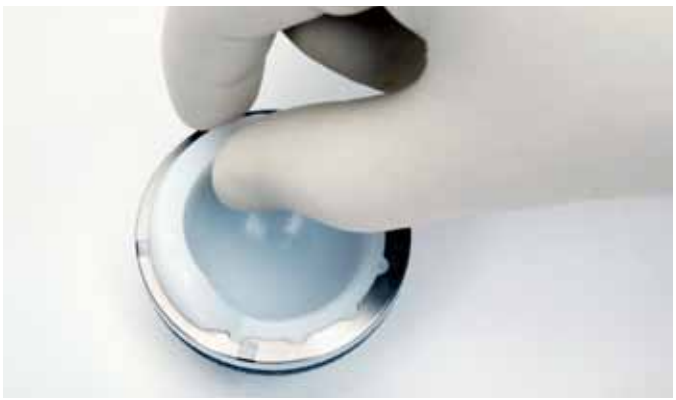


Fig. 23

Verify that the elevated portion of the Polyethylene Liner is properly seated into the Shell.

- In the case of revisions, involving possible breakage of ceramic components, the recommendation is to either use a ceramic on polyethylene or a ceramic on ceramic articulation. If revising to a ceramic liner, the surgeon should revise the shell.
- It is not recommended to use a metal on polyethylene or metal on metal pairing in these cases because leftover ceramic third-body particles may cause greater wear of the bearing surface.**
- After removing a liner, assess the stability and positioning of the newly implanted liner through trial reduction.

Metasul or BIOLOX delta Liners

- Prior to inserting the Liner, ensure that the Shell interior is clean and dry.
- Attach the Liner Insertion Instrument to the Hard Bearing Liner by pressing the Suction Cup in the Liner. Ensure the Liner and Liner Insertion Tool are clean and dry prior to attachment.
- Attach the Hard Bearing Liner Removal Adapter to the Universal Handle by aligning the pins on the Universal Handle with the keyhole slot on the underside of the Adapter.
- Place the tip of the Removal Adapter on the face of the implant Shell with the alignment tab between the outside edge of the Shell and the bone, between scallops on the thickest portion of the Shell. **(Fig. 24)**
- Place the tip of the Removal Adapter entirely flush onto the edge of the metal Shell. **(Fig. 25)**
- Firmly strike the Universal Handle once with a mallet to dislodge the Liner from the Shell while pulling on the Liner Insertion Instrument.

N **Note: The Hard Bearing Liner Remover should not contact the liner during impaction.**

Fig. 24

Proper placement of the Hard Bearing Removal Instrument.

Fig. 25

Proper seating of the Hard Bearing Removal Adapter.

**Matziolis G, Perka C, Disch A. Massive metallosis after revision of a fractured ceramic head onto a metal head. Arch. *Orthop Trauma Surg.* 2003: 123: 48-50.

Polyethylene Liner Removal (Bone Screw Method)

- Locate a 3.2mm or 3.5mm drill bit included in the Screw Kit.
- Drill a pilot hole into the dome of the Liner between the pole and the taper region of the Shell.
- Locate a non-self tapping screw (e.g. periarticular screw 00-2347-024-30) and drive the screw into the pilot hole by hand until the Liner is lifted out of the Shell. **(Fig. 26)**
- Special care should be taken not to damage the Shell taper or locking mechanism during removal of the Liner.

Intraoperative Shell Removal

If you are using the Straight Shell Inserter or Hybrid Offset Shell Inserter:

- Place an Adapter on the end of the inserter handle.
- Place the inserter with attached Adapter into the Shell Polar Hole.
- Turn the locking Screw clockwise to secure the locking Screw.
- Remove the inserter and Shell.

If you are using the *Trilogy* Cup Positioner:

- Place the cap on the end of the *Trilogy* Cup Positioner.
- Thread the inserter into the Shell Polar Hole until it is fully engaged.
- Remove the *Trilogy* Cup Positioner and Shell.

Fig. 26

Screwing a non self-tapping screw into the dome of the Liner.

Lateral Patient Positioning “A-Frame”

- Insert the Shell Provisional or Implant into the prepared acetabulum.
- To achieve 45° of abduction and 20° of forward flexion, ensure that the Alignment Frame is parallel to the floor and the anterior rod of the Alignment Frame is in line with the longitudinal body axis. **(Fig. 27)**
- Patient positioning is the same for the Straight Inserter, Hybrid Offset Inserter and *Trilogy* Cup Positioner.

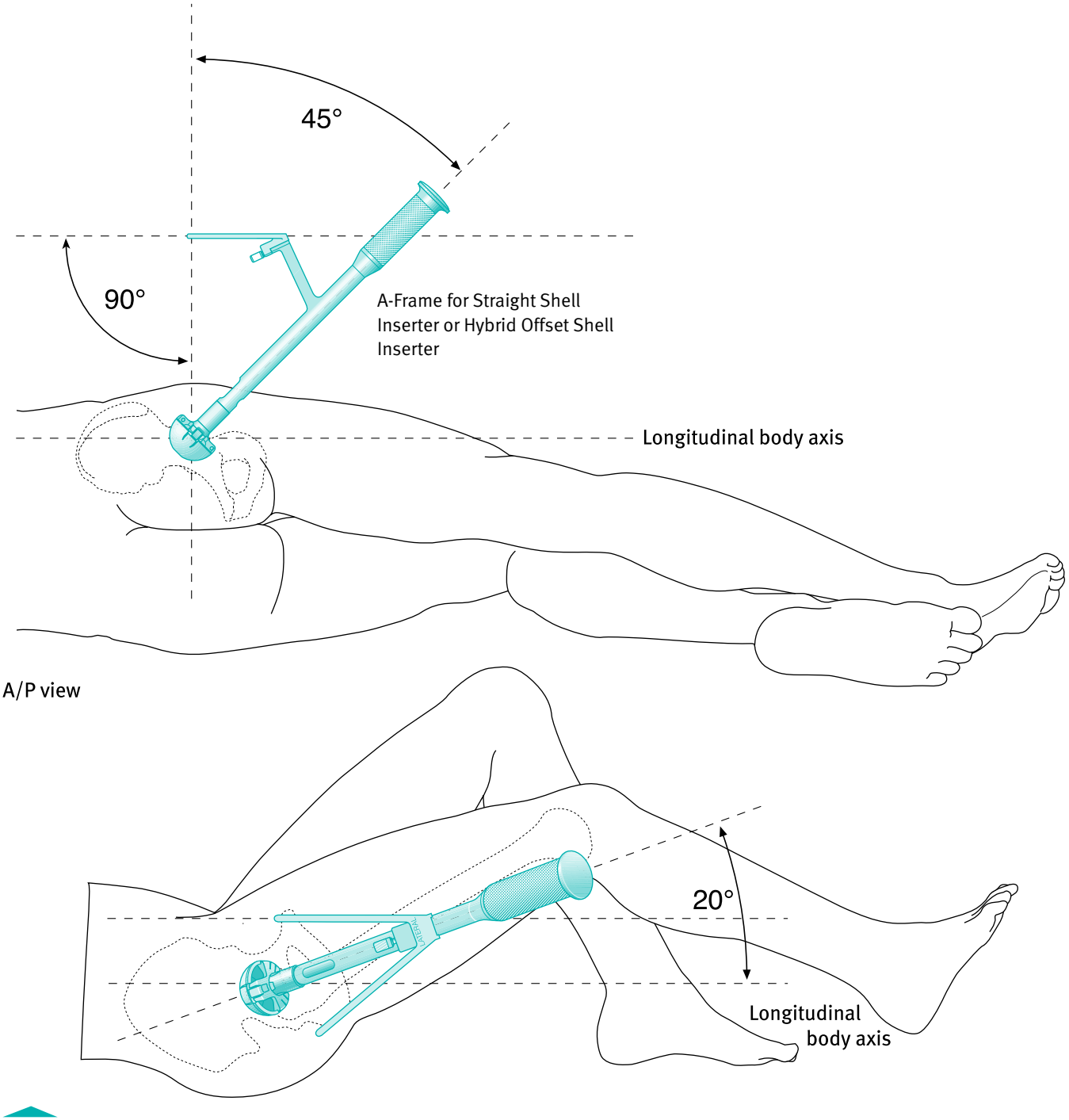
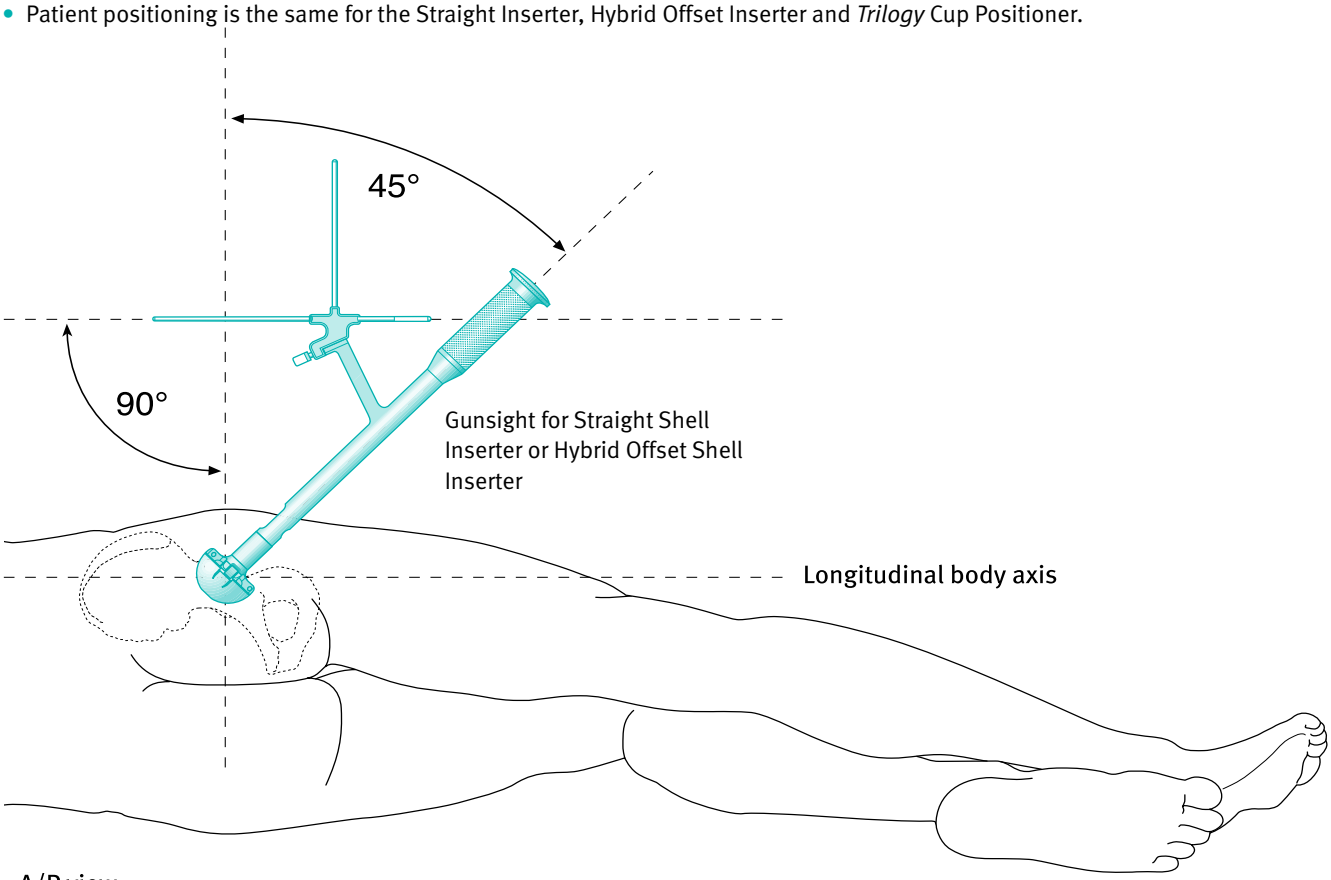


Fig. 27

Lateral Patient Positioning “Gunsight”

- Insert the Shell Provisional or Implant into the prepared acetabulum.
- The “Gunsight” alignment extension needs to be parallel with the longitudinal body axis to achieve a 45° inclination (abduction) and 20° of forward flexion. **(Fig. 28)**
- Patient positioning is the same for the Straight Inserter, Hybrid Offset Inserter and *Trilogy* Cup Positioner.



A/P view

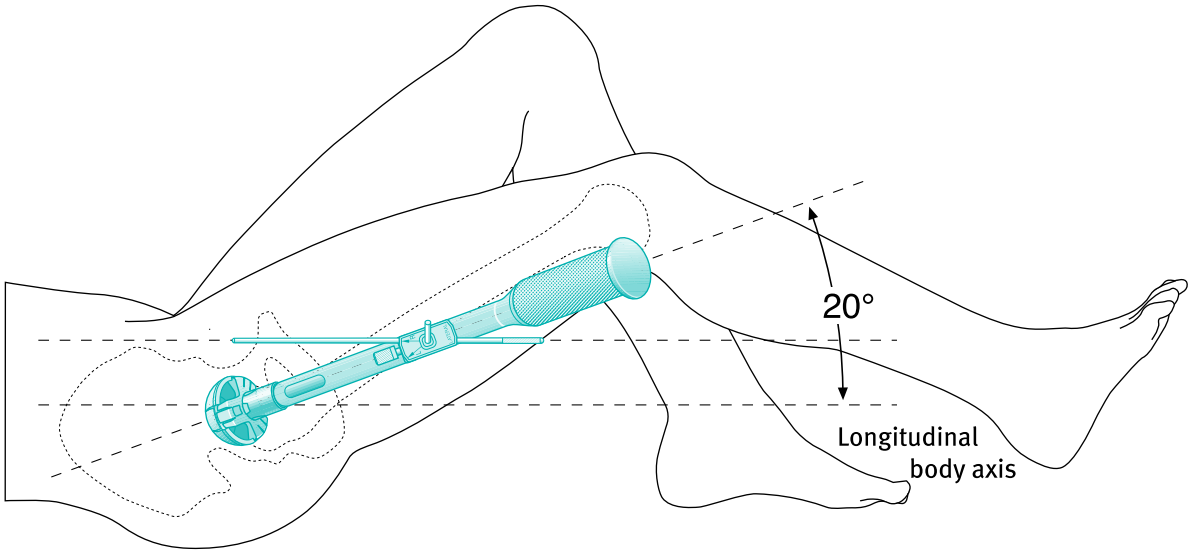


Fig. 28

Lateral view

Supine Patient Positioning “A-Frame”

- Insert the Shell Provisional or Implant into the prepared acetabulum.
- To achieve 45° of abduction and 20° of forward flexion, ensure that the Alignment Frame is parallel to the floor and the lateral arm is parallel with the longitudinal body axis. **(Fig. 29)**
- Patient positioning is the same for the Straight Inserter, Hybrid Offset Inserter and *Trilogy* Cup Positioner.

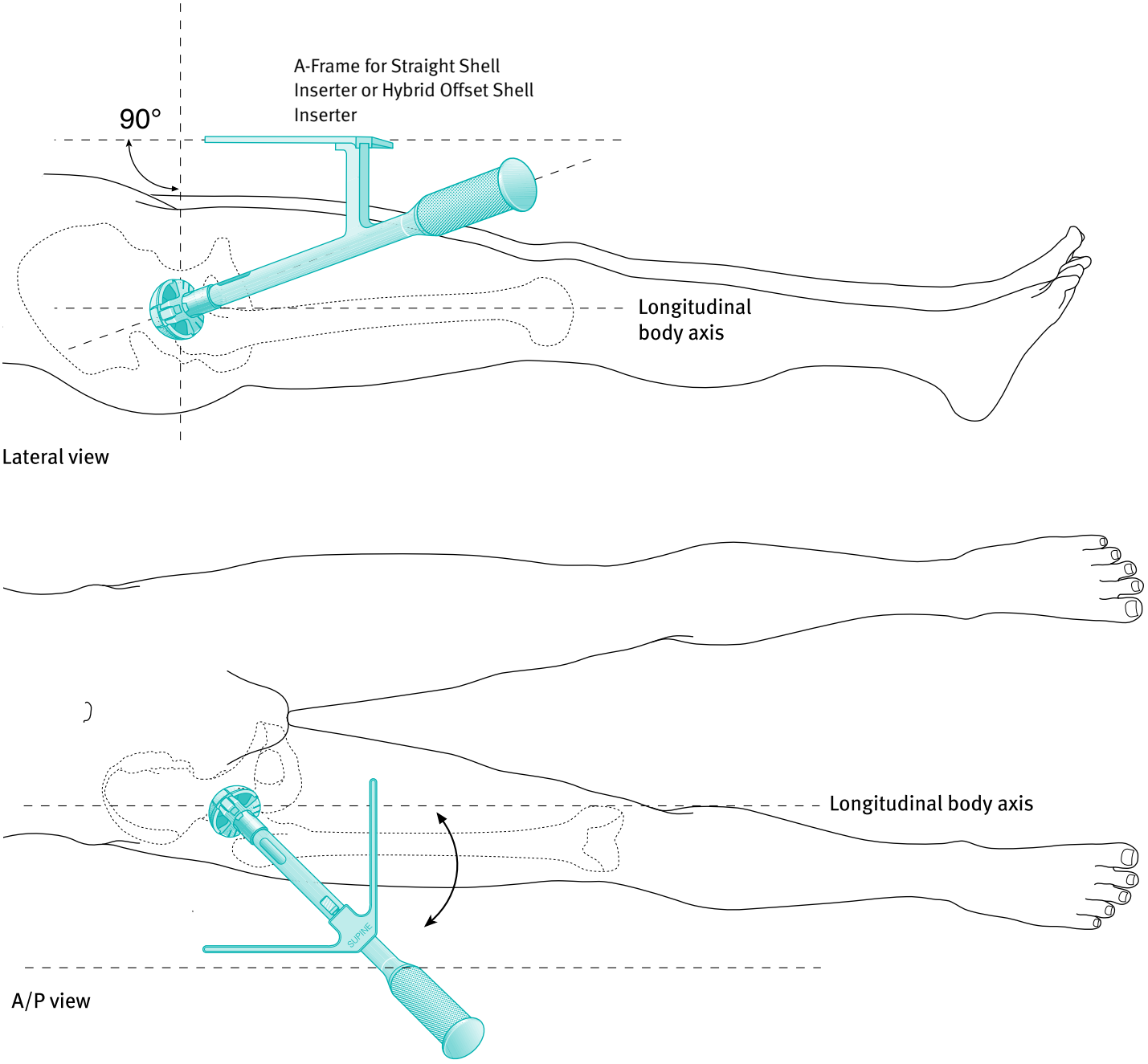


Fig. 29

Supine Patient Positioning “Gunsight”

- Insert the Shell Provisional or Implant into the prepared acetabulum.
- The “Gunsight” alignment extension needs to be parallel with the longitudinal body axis to achieve a 45° inclination (abduction) and 20° of forward flexion. **(Fig. 30)**
- Patient positioning is the same for the Straight Inserter, Hybrid Offset Inserter and *Trilogy* Cup Positioner.

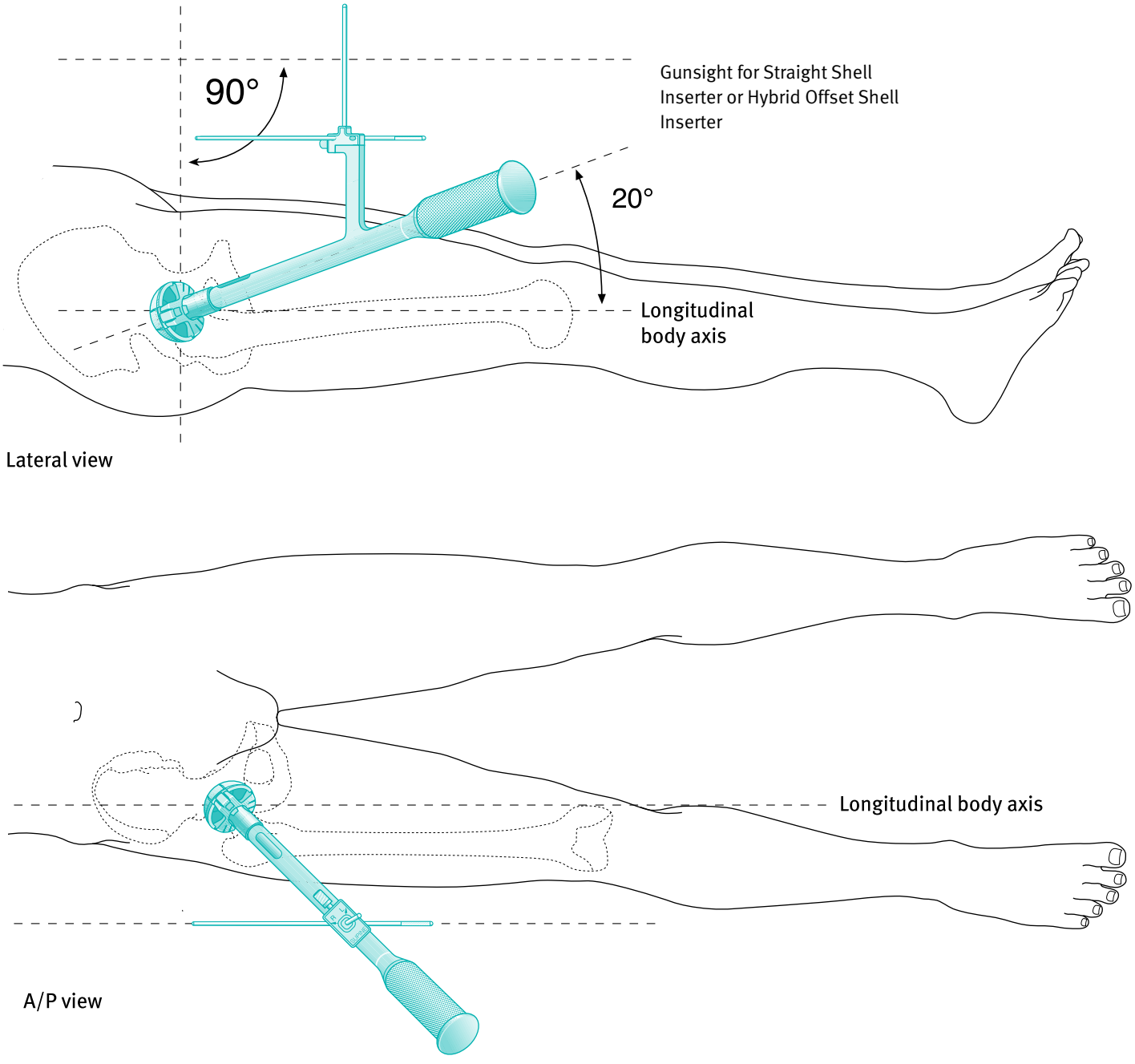


Fig. 30

Shell and Articulation Liner Sizing Chart

The articulation diameter along with its corresponding head diameter is represented by the number in the shaded area of the chart below (e.g. 28mm is a 28mm head and liner combination).

Shell Size in mm	**40**	**42**	**44**	**46**	**48**	**50**	**52**	**54**	**56**	**58**	**60**	**62**	**64**	**66**	**68**	**70**	**72**	**74**	**76**	**78***	**80***
***Continuum* Shells**	CC	DD	EE	FF	GG	HH	II	JJ	KK	LL	MM	NN	OO	PP	QU	RR	SS	TT	UU	VV	VV
Longevity Highly Crosslinked Polyethylene Liners	22mm Elevated																				
			28mm Neutral and Elevated																		
					32mm Neutral and Elevated																
							36mm Neutral and Elevated														
									40mm Neutral												
BIOLOX delta Composite Ceramic Liners			28mm																		
					32mm																
							36mm														
									40mm												
Metasul Metal Liners		28mm																			
				32mm																	
						36mm															
								40mm													

* 78 and 80mm *Continuum* Shells have the same ID and share the same liners.

Implants

Continuum Shell, Uni-Hole

Item No.	Description
00-8757-040-00	*Continuum* Shell, Uni, 40 CC
00-8757-042-00	*Continuum* Shell, Uni, 42 DD
00-8757-044-00	*Continuum* Shell, Uni, 44 EE
00-8757-046-00	*Continuum* Shell, Uni, 46 FF
00-8757-048-00	*Continuum* Shell, Uni, 48 GG
00-8757-050-00	*Continuum* Shell, Uni, 50 HH
00-8757-052-00	*Continuum* Shell, Uni, 52 II
00-8757-054-00	*Continuum* Shell, Uni, 54 JJ
00-8757-056-00	*Continuum* Shell, Uni, 56 KK
00-8757-058-00	*Continuum* Shell, Uni, 58 LL
00-8757-060-00	*Continuum* Shell, Uni, 60 MM
00-8757-062-00	*Continuum* Shell, Uni, 62 NN
00-8757-064-00	*Continuum* Shell, Uni, 64 OO
00-8757-066-00	*Continuum* Shell, Uni, 66 PP
00-8757-068-00	*Continuum* Shell, Uni, 68 QU
00-8757-070-00	*Continuum* Shell, Uni, 70 RR
00-8757-072-00	*Continuum* Shell, Uni, 72 SS
00-8757-074-00	*Continuum* Shell, Uni, 74 TT
00-8757-076-00	*Continuum* Shell, Uni, 76 UU
00-8757-078-00	*Continuum* Shell, Uni, 78 VV
00-8757-080-00	*Continuum* Shell, Uni, 80 VV

Continuum Shell, Cluster-Hole

00-8757-044-01	*Continuum* Shell, Cluster, 44 EE
00-8757-046-01	*Continuum* Shell, Cluster, 46 FF
00-8757-048-01	*Continuum* Shell, Cluster, 48 GG
00-8757-050-01	*Continuum* Shell, Cluster, 50 HH
00-8757-052-01	*Continuum* Shell, Cluster, 52 II
00-8757-054-01	*Continuum* Shell, Cluster, 54 JJ
00-8757-056-01	*Continuum* Shell, Cluster, 56 KK
00-8757-058-01	*Continuum* Shell, Cluster, 58 LL
00-8757-060-01	*Continuum* Shell, Cluster, 60 MM
00-8757-062-01	*Continuum* Shell, Cluster, 62 NN
00-8757-064-01	*Continuum* Shell, Cluster, 64 OO
00-8757-066-01	*Continuum* Shell, Cluster, 66 PP
00-8757-068-01	*Continuum* Shell, Cluster, 68 QU
00-8757-070-01	*Continuum* Shell, Cluster, 70 RR
00-8757-072-01	*Continuum* Shell, Cluster, 72 SS
00-8757-074-01	*Continuum* Shell, Cluster, 74 TT
00-8757-076-01	*Continuum* Shell, Cluster, 76 UU
00-8757-078-01	*Continuum* Shell, Cluster, 78 VV
00-8757-080-01	*Continuum* Shell, Cluster, 80 VV

Continuum Shell, Multi-Hole

Item No.	Description
00-8757-040-02	*Continuum* Shell, Multi, 40 CC
00-8757-042-02	*Continuum* Shell, Multi, 42 DD
00-8757-044-02	*Continuum* Shell, Multi, 44 EE
00-8757-046-02	*Continuum* Shell, Multi, 46 FF
00-8757-048-02	*Continuum* Shell, Multi, 48 GG
00-8757-050-02	*Continuum* Shell, Multi, 50 HH
00-8757-052-02	*Continuum* Shell, Multi, 52 II
00-8757-054-02	*Continuum* Shell, Multi, 54 JJ
00-8757-056-02	*Continuum* Shell, Multi, 56 KK
00-8757-058-02	*Continuum* Shell, Multi, 58 LL
00-8757-060-02	*Continuum* Shell, Multi, 60 MM
00-8757-062-02	*Continuum* Shell, Multi, 62 NN
00-8757-064-02	*Continuum* Shell, Multi, 64 OO
00-8757-066-02	*Continuum* Shell, Multi, 66 PP
00-8757-068-02	*Continuum* Shell, Multi, 68 QU
00-8757-070-02	*Continuum* Shell, Multi, 70 RR
00-8757-072-02	*Continuum* Shell, Multi, 72 SS
00-8757-074-02	*Continuum* Shell, Multi, 74 TT
00-8757-076-02	*Continuum* Shell, Multi, 76 UU
00-8757-078-02	*Continuum* Shell, Multi, 78 VV
00-8757-080-02	*Continuum* Shell, Multi, 80 VV

Continuum Hole Plugs

00-8757-000-01	Dome Hole Plug–Single Pack
00-8757-000-02	Screw Hole Plug–Three Pack
00-8757-000-03	Dome (1) & Screw (3) Hole Plug Pack

Bone Screws

SCREWS are available in 5mm LENGTH increments
up to 40mm 6250-SIZE-LENGTH

00-6250-045-15 Through	Bone Screw, 4.5x15mm, Self-Tapping Through
00-6250-045-40	Bone Screw, 4.5x40mm, Self-Tapping
00-6250-045-50	Bone Screw, 4.5x50mm, Self-Tapping
00-6250-045-60	Bone Screw, 4.5x60mm, Self-Tapping
00-6250-065-15 Through	Bone Screw, 6.5x15mm, Self-Tapping Through
00-6250-065-40	Bone Screw, 6.5x40mm, Self-Tapping
00-6250-065-50	Bone Screw, 6.5x50mm, Self-Tapping
00-6250-065-60	Bone Screw, 6.5x60mm, Self-Tapping
00-6250-065-70	Bone Screw, 6.5x70mm, Self-Tapping
00-6250-065-80	Bone Screw, 6.5x80mm, Self-Tapping

Warning: These screw listed above are not approved for screw attachment or fixation to the posterior elements (pedicles) of the cervical, thoracic, or lumbar spine.

Implants

***Longevity* Highly Crosslinked Liner, Neutral, 28mm**

Item No.	Description
00-8751-006-28	*Longevity* Liner, Neutral, 44 EE x 28
00-8751-007-28	*Longevity* Liner, Neutral, 46 FF x 28
00-8751-008-28	*Longevity* Liner, Neutral, 48 GG x 28
00-8751-009-28	*Longevity* Liner, Neutral, 50 HH x 28
00-8751-010-28	*Longevity* Liner, Neutral, 52 II x 28
00-8751-011-28	*Longevity* Liner, Neutral, 54 JJ x 28
00-8751-012-28	*Longevity* Liner, Neutral, 56 KK x 28
00-8751-013-28	*Longevity* Liner, Neutral, 58 LL x 28
00-8751-014-28	*Longevity* Liner, Neutral, 60 MM x 28
00-8751-015-28	*Longevity* Liner, Neutral, 62 NN x 28
00-8751-016-28	*Longevity* Liner, Neutral, 64 OO x 28
00-8751-017-28	*Longevity* Liner, Neutral, 66 PP x 28
00-8751-018-28	*Longevity* Liner, Neutral, 68 QU x 28

***Longevity* Highly Crosslinked Liner, Neutral, 32mm**

00-8751-008-32	*Longevity* Liner, Neutral, 48 GG x 32
00-8751-009-32	*Longevity* Liner, Neutral, 50 HH x 32
00-8751-010-32	*Longevity* Liner, Neutral, 52 II x 32
00-8751-011-32	*Longevity* Liner, Neutral, 54 JJ x 32
00-8751-012-32	*Longevity* Liner, Neutral, 56 KK x 32
00-8751-013-32	*Longevity* Liner, Neutral, 58 LL x 32
00-8751-014-32	*Longevity* Liner, Neutral, 60 MM x 32
00-8751-015-32	*Longevity* Liner, Neutral, 62 NN x 32
00-8751-016-32	*Longevity* Liner, Neutral, 64 OO x 32
00-8751-017-32	*Longevity* Liner, Neutral, 66 PP x 32
00-8751-018-32	*Longevity* Liner, Neutral, 68 QU x 32
00-8751-019-32	*Longevity* Liner, Neutral, 70 RR x 32
00-8751-020-32	*Longevity* Liner, Neutral, 72 SS x 32
00-8751-021-32	*Longevity* Liner, Neutral, 74 TT x 32
00-8751-022-32	*Longevity* Liner, Neutral, 76 UU x 32
00-8751-023-32	*Longevity* Liner, Neutral, 78/80 VV x 32

***Longevity* Highly Crosslinked Liner, Neutral, 36mm**

00-8751-010-36	*Longevity* Liner, Neutral, 52 II x 36
00-8751-011-36	*Longevity* Liner, Neutral, 54 JJ x 36
00-8751-012-36	*Longevity* Liner, Neutral, 56 KK x 36
00-8751-013-36	*Longevity* Liner, Neutral, 58 LL x 36
00-8751-014-36	*Longevity* Liner, Neutral, 60 MM x 36
00-8751-015-36	*Longevity* Liner, Neutral, 62 NN x 36
00-8751-016-36	*Longevity* Liner, Neutral, 64 OO x 36
00-8751-017-36	*Longevity* Liner, Neutral, 66 PP x 36
00-8751-018-36	*Longevity* Liner, Neutral, 68 QU x 36
00-8751-019-36	*Longevity* Liner, Neutral, 70 RR x 36
00-8751-020-36	*Longevity* Liner, Neutral, 72 SS x 36
00-8751-021-36	*Longevity* Liner, Neutral, 74 TT x 36
00-8751-022-36	*Longevity* Liner, Neutral, 76 UU x 36
00-8751-023-36	*Longevity* Liner, Neutral, 78/80 VV x 36

***Longevity* Highly Crosslinked Liner, Neutral, 40mm**

Item No.	Description
00-8751-012-40	*Longevity* Liner, Neutral, 56 KK x 40
00-8751-013-40	*Longevity* Liner, Neutral, 58 LL x 40
00-8751-014-40	*Longevity* Liner, Neutral, 60 MM x 40
00-8751-015-40	*Longevity* Liner, Neutral, 62 NN x 40
00-8751-016-40	*Longevity* Liner, Neutral, 64 OO x 40
00-8751-017-40	*Longevity* Liner, Neutral, 66 PP x 40
00-8751-018-40	*Longevity* Liner, Neutral, 68 QU x 40
00-8751-019-40	*Longevity* Liner, Neutral, 70 RR x 40
00-8751-020-40	*Longevity* Liner, Neutral, 72 SS x 40
00-8751-021-40	*Longevity* Liner, Neutral, 74 TT x 40
00-8751-022-40	*Longevity* Liner, Neutral, 76 UU x 40
00-8751-023-40	*Longevity* Liner, Neutral, 78/80 VV x 40

***Longevity* Highly Crosslinked Liner, Elevated, 22mm**

00-8752-004-22	*Longevity* Liner, Elevated, 40 CC x 22
00-8752-005-22	*Longevity* Liner, Elevated, 42 DD x 22
00-8752-006-22	*Longevity* Liner, Elevated, 44 EE x 22
00-8752-007-22	*Longevity* Liner, Elevated, 46 FF x 22

***Longevity* Highly Crosslinked Liner, Elevated, 28mm**

00-8752-006-28	*Longevity* Liner, Elevated, 44 EE x 28
00-8752-007-28	*Longevity* Liner, Elevated, 46 FF x 28
00-8752-008-28	*Longevity* Liner, Elevated, 48 GG x 28
00-8752-009-28	*Longevity* Liner, Elevated, 50 HH x 28
00-8752-010-28	*Longevity* Liner, Elevated, 52 II x 28
00-8752-011-28	*Longevity* Liner, Elevated, 54 JJ x 28
00-8752-012-28	*Longevity* Liner, Elevated, 56 KK x 28
00-8752-013-28	*Longevity* Liner, Elevated, 58 LL x 28
00-8752-014-28	*Longevity* Liner, Elevated, 60 MM x 28
00-8752-015-28	*Longevity* Liner, Elevated, 62 NN x 28
00-8752-016-28	*Longevity* Liner, Elevated, 64 OO x 28
00-8752-017-28	*Longevity* Liner, Elevated, 66 PP x 28
00-8752-018-28	*Longevity* Liner, Elevated, 68 QU x 28

***Longevity* Highly Crosslinked Liner, Elevated, 32mm**

00-8752-008-32	*Longevity* Liner, Elevated, 48 GG x 32
00-8752-009-32	*Longevity* Liner, Elevated, 50 HH x 32
00-8752-010-32	*Longevity* Liner, Elevated, 52 II x 32
00-8752-011-32	*Longevity* Liner, Elevated, 54 JJ x 32
00-8752-012-32	*Longevity* Liner, Elevated, 56 KK x 32
00-8752-013-32	*Longevity* Liner, Elevated, 58 LL x 32
00-8752-014-32	*Longevity* Liner, Elevated, 60 MM x 32
00-8752-015-32	*Longevity* Liner, Elevated, 62 NN x 32
00-8752-016-32	*Longevity* Liner, Elevated, 64 OO x 32
00-8752-017-32	*Longevity* Liner, Elevated, 66 PP x 32
00-8752-018-32	*Longevity* Liner, Elevated, 68 QU x 32
00-8752-019-32	*Longevity* Liner, Elevated, 70 RR x 32
00-8752-020-32	*Longevity* Liner, Elevated, 72 SS x 32
00-8752-021-32	*Longevity* Liner, Elevated, 74 TT x 32
00-8752-022-32	*Longevity* Liner, Elevated, 76 UU x 32
00-8752-023-32	*Longevity* Liner, Elevated, 78/80 VV x 32

Implants

***Longevity* Highly Crosslinked Liner, Elevated, 36mm**

Item No.	Description
00-8752-010-36	*Longevity* Liner, Elevated, 52 II x 36
00-8752-011-36	*Longevity* Liner, Elevated, 54 JJ x 36
00-8752-012-36	*Longevity* Liner, Elevated, 56 KK x 36
00-8752-013-36	*Longevity* Liner, Elevated, 58 LL x 36
00-8752-014-36	*Longevity* Liner, Elevated, 60 MM x 36
00-8752-015-36	*Longevity* Liner, Elevated, 62 NN x 36
00-8752-016-36	*Longevity* Liner, Elevated, 64 OO x 36
00-8752-017-36	*Longevity* Liner, Elevated, 66 PP x 36
00-8752-018-36	*Longevity* Liner, Elevated, 68 QU x 36
00-8752-019-36	*Longevity* Liner, Elevated, 70 RR x 36
00-8752-020-36	*Longevity* Liner, Elevated, 72 SS x 36
00-8752-021-36	*Longevity* Liner, Elevated, 74 TT x 36
00-8752-022-36	*Longevity* Liner, Elevated, 76 UU x 36
00-8752-023-36	*Longevity* Liner, Elevated, 78/80 VV x 36

***Metasul* Taper Liner, 28mm**

00-8770-005-28	*Metasul* Taper Liner, 42 DD x 28
00-8770-006-28	*Metasul* Taper Liner, 44 EE x 28
00-8770-007-28	*Metasul* Taper Liner, 46 FF x 28
00-8770-008-28	*Metasul* Taper Liner, 48 GG x 28

***Metasul* Taper Liner, 32mm**

00-8770-007-32	*Metasul* Taper Liner, 46 FF x 32
00-8770-008-32	*Metasul* Taper Liner, 48 GG x 32
00-8770-009-32	*Metasul* Taper Liner, 50 HH x 32
00-8770-010-32	*Metasul* Taper Liner, 52 II x 32

***Metasul* Taper Liner, 36mm**

00-8770-009-36	*Metasul* Taper Liner, 50 HH x 36
00-8770-010-36	*Metasul* Taper Liner, 52 II x 36
00-8770-011-36	*Metasul* Taper Liner, 54 JJ x 36
00-8770-012-36	*Metasul* Taper Liner, 56 KK x 36
00-8770-013-36	*Metasul* Taper Liner, 58 LL x 36
00-8770-014-36	*Metasul* Taper Liner, 60 MM x 36
00-8770-015-36	*Metasul* Taper Liner, 62 NN x 36
00-8770-016-36	*Metasul* Taper Liner, 64 OO x 36
00-8770-017-36	*Metasul* Taper Liner, 66 PP x 36
00-8770-018-36	*Metasul* Taper Liner, 68 QU x 36
00-8770-019-36	*Metasul* Taper Liner, 70 RR x 36
00-8770-020-36	*Metasul* Taper Liner, 72 SS x 36
00-8770-021-36	*Metasul* Taper Liner, 74 TT x 36

***Metasul* Taper Liner, 40mm**

00-8770-011-40	*Metasul* Taper Liner, 54 JJ x 40
00-8770-012-40	*Metasul* Taper Liner, 56 KK x 40
00-8770-013-40	*Metasul* Taper Liner, 58 LL x 40
00-8770-014-40	*Metasul* Taper Liner, 60 MM x 40
00-8770-015-40	*Metasul* Taper Liner, 62 NN x 40
00-8770-016-40	*Metasul* Taper Liner, 64 OO x 40
00-8770-017-40	*Metasul* Taper Liner, 66 PP x 40
00-8770-018-40	*Metasul* Taper Liner, 68 QU x 40
00-8770-019-40	*Metasul* Taper Liner, 70 RR x 40
00-8770-020-40	*Metasul* Taper Liner, 72 SS x 40
00-8770-021-40	*Metasul* Taper Liner, 74 TT x 40
00-8770-022-40	*Metasul* Taper Liner, 76 UU x 40
00-8770-023-40	*Metasul* Taper Liner, 78/80 VV x 40

***Metasul* Femoral Head, 28mm**

Item No.	Description
00-8770-028-01	*Metasul* Fem Hd, 12/14, 28 x -3.5
00-8770-028-02	*Metasul* Fem Hd, 12/14, 28 x 0
00-8770-028-03	*Metasul* Fem Hd, 12/14, 28 x +3.5
00-8770-028-04	*Metasul* Fem Hd, 12/14, 28 x +7
00-8770-028-05	*Metasul* Fem Hd, 12/14, 28 x +10.5

***Metasul* Femoral Head, 32mm**

00-8770-032-01	*Metasul* Fem Hd, 12/14, 32 x -3.5
00-8770-032-02	*Metasul* Fem Hd, 12/14, 32 x 0
00-8770-032-03	*Metasul* Fem Hd, 12/14, 32 x +3.5
00-8770-032-04	*Metasul* Fem Hd, 12/14, 32 x +7
00-8770-032-05	*Metasul* Fem Hd, 12/14, 32 x +10.5

***Metasul* Femoral Head, 36mm**

00-8770-036-01	*Metasul* Fem Hd, 12/14, 36 x -3.5
00-8770-036-02	*Metasul* Fem Hd, 12/14, 36 x 0
00-8770-036-03	*Metasul* Fem Hd, 12/14, 36 x +3.5
00-8770-036-04	*Metasul* Fem Hd, 12/14, 36 x +7
00-8770-036-05	*Metasul* Fem Hd, 12/14, 36 x +10.5

***Metasul* Femoral Head, 40mm**

00-8770-040-01	*Metasul* Fem Hd, 12/14, 40 x -3.5
00-8770-040-02	*Metasul* Fem Hd, 12/14, 40 x 0
00-8770-040-03	*Metasul* Fem Hd, 12/14, 40 x +3.5
00-8770-040-04	*Metasul* Fem Hd, 12/14, 40 x +7
00-8770-040-05	*Metasul* Fem Hd, 12/14, 40 x +10.5

***Metasul* Femoral Head, 28mm 4.0mm Neck Length**

Item No.	Description
19.28.05	*Metasul* Fem Hd, 12/14, 28 x -4
19.28.06	*Metasul* Fem Hd, 12/14, 28 x 0
19.28.07	*Metasul* Fem Hd, 12/14, 28 x +4
19.28.08	*Metasul* Fem Hd, 12/14, 28 x +8

***Metasul* Femoral Head, 32mm 4.0mm Neck Length**

19.32.05	*Metasul* Fem Hd, 12/14, 32 x -4
19.32.06	*Metasul* Fem Hd, 12/14, 32 x 0
19.32.07	*Metasul* Fem Hd, 12/14, 32 x +4
19.32.08	*Metasul* Fem Hd, 12/14, 32 x +8

***Metasul* Femoral Head, 36mm 4.0mm Neck Length**

Item No.	Description
01.01062.365	*Metasul* Fem Hd, 12/14, 36 x -4
01.01062.366	*Metasul* Fem Hd, 12/14, 36 x 0
01.01062.367	*Metasul* Fem Hd, 12/14, 36 x +4
01.01062.368	*Metasul* Fem Hd, 12/14, 36 x +8

***Metasul* Femoral Head, 40mm 4.0mm Neck Length**

01.01062.405	*Metasul* Fem Hd, 12/14, 40 x -4
01.01062.406	*Metasul* Fem Hd, 12/14, 40 x 0
01.01062.407	*Metasul* Fem Hd, 12/14, 40 x +4
01.01062.408	*Metasul* Fem Hd, 12/14, 40 x +8

Implants

***BIOLOX delta* Taper Liner, 28mm**

Item No.	Description
00-8775-006-28	*BIOLOX delta* Taper Liner, 44 EE x 28
00-8775-007-28	*BIOLOX delta* Taper Liner, 46 FF x 28
00-8775-008-28	*BIOLOX delta* Taper Liner, 48 GG x 28
00-8775-009-28	*BIOLOX delta* Taper Liner, 50 HH x 28

***BIOLOX delta* Taper Liner, 32mm**

00-8775-008-32	*BIOLOX delta* Taper Liner, 48 GG x 32
00-8775-009-32	*BIOLOX delta* Taper Liner, 50 HH x 32
00-8775-010-32	*BIOLOX delta* Taper Liner, 52 II x 32
00-8775-011-32	*BIOLOX delta* Taper Liner, 54 JJ x 32

***BIOLOX delta* Taper Liner, 36mm**

00-8775-010-36	*BIOLOX delta* Taper Liner, 52 II x 36
00-8775-011-36	*BIOLOX delta* Taper Liner, 54 JJ x 36
00-8775-012-36	*BIOLOX delta* Taper Liner, 56 KK x 36
00-8775-013-36	*BIOLOX delta* Taper Liner, 58 LL x 36
00-8775-014-36	*BIOLOX delta* Taper Liner, 60 MM x 36
00-8775-015-36	*BIOLOX delta* Taper Liner, 62 NN x 36
00-8775-016-36	*BIOLOX delta* Taper Liner, 64 OO x 36
00-8775-017-36	*BIOLOX delta* Taper Liner, 66 PP x 36
00-8775-018-36	*BIOLOX delta* Taper Liner, 68 QU x 36
00-8775-019-36	*BIOLOX delta* Taper Liner, 70 RR x 36
00-8775-020-36	*BIOLOX delta* Taper Liner, 72 SS x 36
00-8775-021-36	*BIOLOX delta* Taper Liner, 74 TT x 36

***BIOLOX delta* Taper Liner, 40mm**

00-8775-012-40	*BIOLOX delta* Taper Liner, 56 KK x 40
00-8775-013-40	*BIOLOX delta* Taper Liner, 58 LL x 40
00-8775-014-40	*BIOLOX delta* Taper Liner, 60 MM x 40
00-8775-015-40	*BIOLOX delta* Taper Liner, 62 NN x 40
00-8775-016-40	*BIOLOX delta* Taper Liner, 64 OO x 40
00-8775-017-40	*BIOLOX delta* Taper Liner, 66 PP x 40
00-8775-018-40	*BIOLOX delta* Taper Liner, 68 QU x 40
00-8775-019-40	*BIOLOX delta* Taper Liner, 70 RR x 40
00-8775-020-40	*BIOLOX delta* Taper Liner, 72 SS x 40
00-8775-021-40	*BIOLOX delta* Taper Liner, 74 TT x 40
00-8775-022-40	*BIOLOX delta* Taper Liner, 76 UU x 40
00-8775-023-40	*BIOLOX delta* Taper Liner, 78/80 VV x 40

***BIOLOX delta* Ceramic Femoral Head, 28mm**

Item No.	Description
00-8775-028-01	Ceramic Fem Hd, 12/14, 28 x -3.5
00-8775-028-02	Ceramic Fem Hd, 12/14, 28 x 0
00-8775-028-03	Ceramic Fem Hd, 12/14, 28 x +3.5

***BIOLOX delta* Ceramic Femoral Head, 32mm**

00-8775-032-01	Ceramic Fem Hd, 12/14, 32 x -3.5
00-8775-032-02	Ceramic Fem Hd, 12/14, 32 x 0
00-8775-032-03	Ceramic Fem Hd, 12/14, 32 x +3.5
00-8775-032-04	Ceramic Fem Hd, 12/14, 32 x +7

***BIOLOX delta* Ceramic Femoral Head, 36mm**

00-8775-036-01	Ceramic Fem Hd, 12/14, 36 x -3.5
00-8775-036-02	Ceramic Fem Hd, 12/14, 36 x 0
00-8775-036-03	Ceramic Fem Hd, 12/14, 36 x +3.5
00-8775-036-04	Ceramic Fem Hd, 12/14, 36 x +7

***BIOLOX delta* Ceramic Femoral Head, 40mm**

00-8775-040-01	Ceramic Fem Hd, 12/14, 40 x -3.5
00-8775-040-02	Ceramic Fem Hd, 12/14, 40 x 0
00-8775-040-03	Ceramic Fem Hd, 12/14, 40 x +3.5
00-8775-040-04	Ceramic Fem Hd, 12/14, 40 x +7

Instrument Tray Kits

Acetabular Cup Straight Handle Instrument
Kit# KT-8790-100-00

Item No.	Description
00-8792-001-00	Full DIN Case Base
00-5900-099-00	Full DIN Case Lid
00-8790-015-32	Dome Impactor Sz 32
00-8790-015-36	Dome Impactor Sz 36
00-8790-015-40	Dome Impactor Sz 40
00-9000-002-98	Liner Insertion Instrument
00-8790-001-00	Provisional Locking Screw (6)
00-8790-010-00	Straight Universal Handle
00-8790-003-10	Cup Inserter Adapter w/o Rot. Cont.
00-8790-003-00	Cup Inserter Adapter w/ Rot. Cont.
00-7804-015-20	Straight Shell Inserter
9375-00-032	Ball Hex Screwdriver
00-8790-007-00	Non Modular Straight Screwdriver
01.00502.008	MIS Screw Hole Plug Instrument
00-8790-013-32	HB Rim Impactor Sz 32
00-8790-013-36	HB Rim Impactor Sz 36
00-8790-013-40	HB Rim Impactor Sz 40
00-8790-004-00	Single Point Hard Bearing Remover

Acetabular Cup MIS Curved Handle Instrument
Kit# KT-8790-150-00
(Same as Kit #KT-8790-100-00, with the following curved handle instruments replacing the straight handled instruments)

00-8790-010-30	Curved Universal Handle
00-7804-025-20	Hybrid Offset Shell Inserter

Optional (need to include one of the following alignment guides)

A-Frame Guides	
00-7807-015-02	Lateral Alignment Frame
00-7807-015-01	Supine Alignment Frame
Gunsight Alignment Guides	
01.00639.725	Lateral Positioning Guide 20°
01.00639.705	Positioning Guide spoke lateral
01.00639.745	Supine Positioning Guide 20°
01.00639.755	Positioning Guide spoke supine

Additional Items

00-8790-015-22	Dome Impactor Sz 22
00-8790-015-28	Dome Impactor Sz 28
00-8790-013-28	Hard Bearing Rim Impactor Sz 28
00-9000-002-92	Disposable Suction Cup

Instruments for *Trilogy* Cup Positioner

Item No.	Description
00-6260-018-00	*Trilogy* Cup Positioner
00-6260-015-12	*Trilogy* Cap (included with *Trilogy* Cup Positioner)
00-8790-003-20	*Trilogy* Micro Cap (40mm-46mm)

Alignment Guides for *Trilogy* Cup Positioner

Gunsight Alignment Guides	
00-6260-047-00	Lateral Gunsight Alignment Guide
00-8790-003-35	Supine Gunsight Alignment Guide
00-5785-079-00	Alignment Rod
A-Frame Guides	
00-6260-046-00	Lateral A-Frame Alignment Guide*
00-8790-003-30	Supine A-Frame Alignment Guide*

*Will not fit in *Trilogy* Cup Positioner Case (00-8792-001-00)

Acetabular Cup Screw Instrument
Kit# KT-8790-200-00

00-8792-002-00	Full DIN Case Base
00-5900-099-00	Full DIN Case Lid
00-8790-007-01	Adjustable Drill Guide
00-6260-013-00	Screw Holding Forceps 15°
00-2360-087-00	Ratcheting Modular Handle
00-8790-005-20	Straight 3.5mm shaft
00-8790-005-25	U-joint 3.5mm shaft
00-8790-007-05	Modular Flex Shaft
75.11.00-04	Hex Wrench
00-8790-007-02	Modular Flex Drill Bit (15mm)
00-8790-007-03	Modular Flex Drill Bit (30mm)
00-8790-007-04	Modular Flex Drill Bit (45mm)
75.80.15	Depth Gauge

Optional

00-6260-008-02	Tap Guide 6.5
00-8790-005-30	Tap Shaft
00-6260-007-02	Tap 6.5
75.11.01-05	Replacement Locking Screw

Instrument Tray for Provisional Liners & Shells

00-8791-004-00	Instrument Tray
00-8791-006-00	Provisional Shell Case
00-5900-099-00	Instrument Tray Lid

Provisional Shell Sets

Provisional Shells

Item No.	Description
00-8791-038-00	IT Provisional Sizer, 38 mm
00-8791-040-00	IT Provisional Shell, 40 mm
00-8791-042-00	IT Provisional Shell, 42 mm
00-8791-044-00	IT Provisional Shell, 44 mm
00-8791-046-00	IT Provisional Shell, 46 mm
00-8791-048-00	IT Provisional Shell, 48 mm
00-8791-050-00	IT Provisional Shell, 50 mm
00-8791-052-00	IT Provisional Shell, 52 mm
00-8791-054-00	IT Provisional Shell, 54 mm
00-8791-056-00	IT Provisional Shell, 56 mm
00-8791-058-00	IT Provisional Shell, 58 mm
00-8791-060-00	IT Provisional Shell, 60 mm
00-8791-062-00	IT Provisional Shell, 62 mm
00-8791-064-00	IT Provisional Shell, 64 mm
00-8791-066-00	IT Provisional Shell, 66 mm
00-8791-068-00	IT Provisional Shell, 68 mm
00-8791-070-00	IT Provisional Shell, 70 mm
00-8791-072-00	IT Provisional Shell, 72 mm
00-8791-074-00	IT Provisional Shell, 74 mm
00-8791-076-00	IT Provisional Shell, 76 mm
00-8791-078-00	IT Provisional Shell, 78 mm
00-8791-080-00	IT Provisional Shell, 80 mm

Provisional Liners with Independent Locking Screw

28mm Neutral Provisional Liners

Item No.	Description
00-8731-005-28	Prov Liner, Neutral, 42 DD x 28*
00-8731-006-28	Prov Liner, Neutral, 44 EE x 28
00-8731-007-28	Prov Liner, Neutral, 46 FF x 28
00-8731-008-28	Prov Liner, Neutral, 48 GG x28
00-8731-009-28	Prov Liner, Neutral, 50 HH x 28
00-8731-010-28	Prov Liner, Neutral, 52 II x 28
00-8731-011-28	Prov Liner, Neutral, 54 JJ x 28
00-8731-012-28	Prov Liner, Neutral, 56 KK x 28
00-8731-013-28	Prov Liner, Neutral, 58 LL x 28
00-8731-014-28	Prov Liner, Neutral, 60 MM x 28
00-8731-015-28	Prov Liner, Neutral, 62 NN x 28
00-8731-016-28	Prov Liner, Neutral, 64 OO x 28
00-8731-017-28	Prov Liner, Neutral, 66 PP x 28
00-8731-018-28	Prov Liner, Neutral, 68 QU x 28

32mm Neutral Provisional Liners

00-8731-007-32	Prov Liner, Neutral, 46 FF x 32*
00-8731-008-32	Prov Liner, Neutral, 48 GG x 32
00-8731-009-32	Prov Liner, Neutral, 50 HH x 32
00-8731-010-32	Prov Liner, Neutral, 52 II x 32
00-8731-011-32	Prov Liner, Neutral, 54 JJ x 32
00-8731-012-32	Prov Liner, Neutral, 56 KK x 32
00-8731-013-32	Prov Liner, Neutral, 58 LL x 32
00-8731-014-32	Prov Liner, Neutral, 60 MM x 32
00-8731-015-32	Prov Liner, Neutral, 62 NN x 32
00-8731-016-32	Prov Liner, Neutral, 64 OO x 32
00-8731-017-32	Prov Liner, Neutral, 66 PP x 32
00-8731-018-32	Prov Liner, Neutral, 68 QU x 32
00-8731-019-32	Prov Liner, Neutral, 70 RR x 32
00-8731-020-32	Prov Liner, Neutral, 72 SS x 32
00-8731-021-32	Prov Liner, Neutral, 74 TT x 32
00-8731-022-32	Prov Liner, Neutral, 76 UU x 32
00-8731-023-32	Prov Liner, Neutral, 78/80 VV x 32

36mm Neutral Provisional Liners

Item No.	Description
00-8731-009-36	Prov Liner, Neutral, 50 HH x 36*
00-8731-010-36	Prov Liner, Neutral, 52 II x 36
00-8731-011-36	Prov Liner, Neutral, 54 JJ x 36
00-8731-012-36	Prov Liner, Neutral, 56 KK x 36
00-8731-013-36	Prov Liner, Neutral, 58 LL x 36
00-8731-014-36	Prov Liner, Neutral, 60 MM x 36
00-8731-015-36	Prov Liner, Neutral, 62 NN x 36
00-8731-016-36	Prov Liner, Neutral, 64 OO x 36
00-8731-017-36	Prov Liner, Neutral, 66 PP x 36
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00-8731-020-36	Prov Liner, Neutral, 72 SS x 36
00-8731-021-36	Prov Liner, Neutral, 74 TT x 36
00-8731-022-36	Prov Liner, Neutral, 76 UU x 36
00-8731-023-36	Prov Liner, Neutral, 78/80 VV x 36

40mm Neutral Provisional Liner

00-8731-011-40	Prov Liner, Neutral, 54 JJ x 40*
00-8731-012-40	Prov Liner, Neutral, 56 KK x 40
00-8731-013-40	Prov Liner, Neutral, 58 LL x 40
00-8731-014-40	Prov Liner, Neutral, 60 MM x 40
00-8731-015-40	Prov Liner, Neutral, 62 NN x 40
00-8731-016-40	Prov Liner, Neutral, 64 OO x 40
00-8731-017-40	Prov Liner, Neutral, 66 PP x 40
00-8731-018-40	Prov Liner, Neutral, 68 QU x 40
00-8731-019-40	Prov Liner, Neutral, 70 RR x 40
00-8731-020-40	Prov Liner, Neutral, 72 SS x 40
00-8731-021-40	Prov Liner, Neutral, 74 TT x 40
00-8731-022-40	Prov Liner, Neutral, 76 UU x 40
00-8731-023-40	Prov Liner, Neutral, 78/80 VV x 40

* Due to size constraints, these liners utilize a peg to align with the acetabular shell polar hole instead of the Provisional Screw.

Provisional Liners with Independent Locking Screw

22mm Elevated Rim Provisional Liners

Item No.	Description
00-8732-004-22	Prov Liner, Elevated, 40 CC x 22
00-8732-005-22	Prov Liner, Elevated, 42 DD x 22
00-8732-006-22	Prov Liner, Elevated, 44 EE x 22
00-8732-007-22	Prov Liner, Elevated, 46 FF x 22

28mm Elevated Rim Provisional Liners

00-8732-006-28	Prov Liner, Elevated, 44 EE x 28
00-8732-007-28	Prov Liner, Elevated, 46 FF x 28
00-8732-008-28	Prov Liner, Elevated, 48 GG x 28
00-8732-009-28	Prov Liner, Elevated, 50 HH x 28
00-8732-010-28	Prov Liner, Elevated, 52 II x 28
00-8732-011-28	Prov Liner, Elevated, 54 JJ x 28
00-8732-012-28	Prov Liner, Elevated, 56 KK x 28
00-8732-013-28	Prov Liner, Elevated, 58 LL x 28
00-8732-014-28	Prov Liner, Elevated, 60 MM x 28
00-8732-015-28	Prov Liner, Elevated, 62 NN x 28
00-8732-016-28	Prov Liner, Elevated, 64 OO x 28
00-8732-017-28	Prov Liner, Elevated, 66 PP x 28
00-8732-018-28	Prov Liner, Elevated, 68 QU x 28

32mm Elevated Rim Provisional Liners

00-8732-008-32	Prov Liner, Elevated, 48 GG x 32
00-8732-009-32	Prov Liner, Elevated, 50 HH x 32
00-8732-010-32	Prov Liner, Elevated, 52 II x 32
00-8732-011-32	Prov Liner, Elevated, 54 JJ x 32
00-8732-012-32	Prov Liner, Elevated, 56 KK x 32
00-8732-013-32	Prov Liner, Elevated, 58 LL x 32
00-8732-014-32	Prov Liner, Elevated, 60 MM x 32
00-8732-015-32	Prov Liner, Elevated, 62 NN x 32
00-8732-016-32	Prov Liner, Elevated, 64 OO x 32
00-8732-017-32	Prov Liner, Elevated, 66 PP x 32
00-8732-018-32	Prov Liner, Elevated, 68 QU x 32
00-8732-019-32	Prov Liner, Elevated, 70 RR x 32
00-8732-020-32	Prov Liner, Elevated, 72 SS x 32
00-8732-021-32	Prov Liner, Elevated, 74 TT x 32
00-8732-022-32	Prov Liner, Elevated, 76 UU x 32
00-8732-023-32	Prov Liner, Elevated, 78/80 VV x 32

36mm Elevated Rim Provisional Liners

Item No.	Description
00-8732-010-36	Prov Liner, Elevated, 52 II x 36
00-8732-011-36	Prov Liner, Elevated, 54 JJ x 36
00-8732-012-36	Prov Liner, Elevated, 56 KK x 36
00-8732-013-36	Prov Liner, Elevated, 58 LL x 36
00-8732-014-36	Prov Liner, Elevated, 60 MM x 36
00-8732-015-36	Prov Liner, Elevated, 62 NN x 36
00-8732-016-36	Prov Liner, Elevated, 64 OO x 36
00-8732-017-36	Prov Liner, Elevated, 66 PP x 36
00-8732-018-36	Prov Liner, Elevated, 68 QU x 36
00-8732-019-36	Prov Liner, Elevated, 70 RR x 36
00-8732-020-36	Prov Liner, Elevated, 72 SS x 36
00-8732-021-36	Prov Liner, Elevated, 74 TT x 36
00-8732-022-36	Prov Liner, Elevated, 76 UU x 36
00-8732-023-36	Prov Liner, Elevated, 78/80 VV x 36

Provisional Liners with Permanently Affixed Locking Screw

28mm Neutral Provisional Liners

Item No.	Description
00-8831-005-28	Prov Liner, Neutral, 42 DD x 28*
00-8831-006-28	Prov Liner, Neutral, 44 EE x 28
00-8831-007-28	Prov Liner, Neutral, 46 FF x 28
00-8831-008-28	Prov Liner, Neutral, 48 GG x28
00-8831-009-28	Prov Liner, Neutral, 50 HH x 28
00-8831-010-28	Prov Liner, Neutral, 52 II x 28
00-8831-011-28	Prov Liner, Neutral, 54 JJ x 28
00-8831-012-28	Prov Liner, Neutral, 56 KK x 28
00-8831-013-28	Prov Liner, Neutral, 58 LL x 28
00-8831-014-28	Prov Liner, Neutral, 60 MM x 28
00-8831-015-28	Prov Liner, Neutral, 62 NN x 28
00-8831-016-28	Prov Liner, Neutral, 64 OO x 28
00-8831-017-28	Prov Liner, Neutral, 66 PP x 28
00-8831-018-28	Prov Liner, Neutral, 68 QU x 28

32mm Neutral Provisional Liners

00-8831-007-32	Prov Liner, Neutral, 46 FF x 32*
00-8831-008-32	Prov Liner, Neutral, 48 GG x 32
00-8831-009-32	Prov Liner, Neutral, 50 HH x 32
00-8831-010-32	Prov Liner, Neutral, 52 II x 32
00-8831-011-32	Prov Liner, Neutral, 54 JJ x 32
00-8831-012-32	Prov Liner, Neutral, 56 KK x 32
00-8831-013-32	Prov Liner, Neutral, 58 LL x 32
00-8831-014-32	Prov Liner, Neutral, 60 MM x 32
00-8831-015-32	Prov Liner, Neutral, 62 NN x 32
00-8831-016-32	Prov Liner, Neutral, 64 OO x 32
00-8831-017-32	Prov Liner, Neutral, 66 PP x 32
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00-8831-019-32	Prov Liner, Neutral, 70 RR x 32
00-8831-020-32	Prov Liner, Neutral, 72 SS x 32
00-8831-021-32	Prov Liner, Neutral, 74 TT x 32
00-8831-022-32	Prov Liner, Neutral, 76 UU x 32
00-8831-023-32	Prov Liner, Neutral, 78/80 VV x 32

36mm Neutral Provisional Liners

Item No.	Description
00-8831-009-36	Prov Liner, Neutral, 50 HH x 36*
00-8831-010-36	Prov Liner, Neutral, 52 II x 36
00-8831-011-36	Prov Liner, Neutral, 54 JJ x 36
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00-8831-020-36	Prov Liner, Neutral, 72 SS x 36
00-8831-021-36	Prov Liner, Neutral, 74 TT x 36
00-8831-022-36	Prov Liner, Neutral, 76 UU x 36
00-8831-023-36	Prov Liner, Neutral, 78/80 VV x 36

40mm Neutral Provisional Liner

00-8831-011-40	Prov Liner, Neutral, 54 JJ x 40*
00-8831-012-40	Prov Liner, Neutral, 56 KK x 40
00-8831-013-40	Prov Liner, Neutral, 58 LL x 40
00-8831-014-40	Prov Liner, Neutral, 60 MM x 40
00-8831-015-40	Prov Liner, Neutral, 62 NN x 40
00-8831-016-40	Prov Liner, Neutral, 64 OO x 40
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00-8831-019-40	Prov Liner, Neutral, 70 RR x 40
00-8831-020-40	Prov Liner, Neutral, 72 SS x 40
00-8831-021-40	Prov Liner, Neutral, 74 TT x 40
00-8831-022-40	Prov Liner, Neutral, 76 UU x 40
00-8831-023-40	Prov Liner, Neutral, 78/80 VV x 40

* Due to size constraints, these liners utilize a peg to align with the acetabular shell polar hole instead of the Provisional Screw.

Provisional Liners with Permanently Affixed Locking Screw

22mm Elevated Rim Provisional Liners

Item No.	Description
00-8832-004-22	Prov Liner, Elevated, 40 CC x 22
00-8832-005-22	Prov Liner, Elevated, 42 DD x 22
00-8832-006-22	Prov Liner, Elevated, 44 EE x 22
00-8832-007-22	Prov Liner, Elevated, 46 FF x 22

28mm Elevated Rim Provisional Liners

00-8832-006-28	Prov Liner, Elevated, 44 EE x 28
00-8832-007-28	Prov Liner, Elevated, 46 FF x 28
00-8832-008-28	Prov Liner, Elevated, 48 GG x 28
00-8832-009-28	Prov Liner, Elevated, 50 HH x 28
00-8832-010-28	Prov Liner, Elevated, 52 II x 28
00-8832-011-28	Prov Liner, Elevated, 54 JJ x 28
00-8832-012-28	Prov Liner, Elevated, 56 KK x 28
00-8832-013-28	Prov Liner, Elevated, 58 LL x 28
00-8832-014-28	Prov Liner, Elevated, 60 MM x 28
00-8832-015-28	Prov Liner, Elevated, 62 NN x 28
00-8832-016-28	Prov Liner, Elevated, 64 OO x 28
00-8832-017-28	Prov Liner, Elevated, 66 PP x 28
00-8832-018-28	Prov Liner, Elevated, 68 QU x 28

32mm Elevated Rim Provisional Liners

00-8832-008-32	Prov Liner, Elevated, 48 GG x 32
00-8832-009-32	Prov Liner, Elevated, 50 HH x 32
00-8832-010-32	Prov Liner, Elevated, 52 II x 32
00-8832-011-32	Prov Liner, Elevated, 54 JJ x 32
00-8832-012-32	Prov Liner, Elevated, 56 KK x 32
00-8832-013-32	Prov Liner, Elevated, 58 LL x 32
00-8832-014-32	Prov Liner, Elevated, 60 MM x 32
00-8832-015-32	Prov Liner, Elevated, 62 NN x 32
00-8832-016-32	Prov Liner, Elevated, 64 OO x 32
00-8832-017-32	Prov Liner, Elevated, 66 PP x 32
00-8832-018-32	Prov Liner, Elevated, 68 QU x 32
00-8832-019-32	Prov Liner, Elevated, 70 RR x 32
00-8832-020-32	Prov Liner, Elevated, 72 SS x 32
00-8832-021-32	Prov Liner, Elevated, 74 TT x 32
00-8832-022-32	Prov Liner, Elevated, 76 UU x 32
00-8832-023-32	Prov Liner, Elevated, 78/80 VV x 32

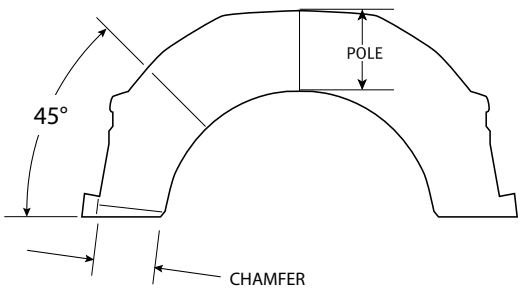
36mm Elevated Rim Provisional Liners

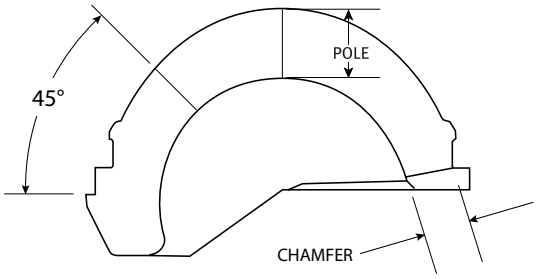
00-8832-010-36	Prov Liner, Elevated, 52 II x 36
00-8832-011-36	Prov Liner, Elevated, 54 JJ x 36
00-8832-012-36	Prov Liner, Elevated, 56 KK x 36
00-8832-013-36	Prov Liner, Elevated, 58 LL x 36
00-8832-014-36	Prov Liner, Elevated, 60 MM x 36
00-8832-015-36	Prov Liner, Elevated, 62 NN x 36
00-8832-016-36	Prov Liner, Elevated, 64 OO x 36
00-8832-017-36	Prov Liner, Elevated, 66 PP x 36
00-8832-018-36	Prov Liner, Elevated, 68 QU x 36
00-8832-019-36	Prov Liner, Elevated, 70 RR x 36
00-8832-020-36	Prov Liner, Elevated, 72 SS x 36
00-8832-021-36	Prov Liner, Elevated, 74 TT x 36
00-8832-022-36	Prov Liner, Elevated, 76 UU x 36
00-8832-023-36	Prov Liner, Elevated, 78/80 VV x 36

Longevity Polyethylene Liner Thickness Chart

Size	Letter Code	Pole (mm)	45° (mm)	Chamfer (mm)
22mm Elevated Liners				
00-8752-004-22	CC	5.3	5.6	4.1
00-8752-005-22	DD	6.2	6.8	4.3
00-8752-006-22	EE	7.2	7.6	5.8
00-8752-007-22	FF	8.2	8.6	6.6
28mm Neutral and Elevated Liners				
00-8751/8752-006-28	EE	4.3	5.3	3.0
00-8751/8752-007-28	FF	5.4	5.7	3.7
00-8751/8752-008-28	GG	6.4	6.7	4.9
00-8751/8752-009-28	HH	7.3	7.7	5.7
00-8751/8752-010-28	II	8.4	8.7	6.9
00-8751/8752-011-28	JJ	9.3	9.7	7.9
00-8751/8752-012-28	KK	10.3	10.7	8.9
00-8751/8752-013-28	LL	11.4	11.7	9.9
00-8751/8752-014-28	MM	12.3	12.7	10.9
00-8751/8752-015-28	NN	13.3	13.7	12.1
00-8751/8752-016-28	OO	14.4	14.7	13.1
00-8751/8752-017-28	PP	15.3	15.7	14.1
00-8751/8752-018-28	QU	16.4	16.7	15.1
32mm Neutral and Elevated Liners				
00-8751/8752-008-32	GG	4.3	4.7	2.9
00-8751/8752-009-32	HH	5.3	5.7	3.7
00-8751/8752-010-32	II	6.4	6.7	4.9
00-8751/8752-011-32	JJ	7.3	7.7	5.9
00-8751/8752-012-32	KK	8.3	8.7	6.9
00-8751/8752-013-32	LL	9.3	9.7	7.9
00-8751/8752-014-32	MM	10.3	10.7	8.9
00-8751/8752-015-32	NN	11.3	11.7	10.1
00-8751/8752-016-32	OO	12.3	12.7	11.1
00-8751/8752-017-32	PP	13.3	13.7	12.1
00-8751/8752-018-32	QU	14.4	14.7	13.1
00-8751/8752-019-32	RR	15.3	15.7	14.1
00-8751/8752-020-32	SS	16.3	16.7	15.1
00-8751/8752-021-32	TT	17.3	17.7	16.1
00-8751/8752-022-32	UU	18.3	18.7	17.0
00-8751/8752-023-32	VV	19.3	19.7	18.0

Size	Letter Code	Pole (mm)	45° (mm)	Chamfer (mm)
36mm Neutral and Elevated Liners				
00-8751/8752-010-36	II	4.4	4.7	2.9
00-8751/8752-011-36	JJ	5.3	5.7	3.9
00-8751/8752-012-36	KK	6.3	6.7	4.9
00-8751/8752-013-36	LL	7.4	7.7	5.9
00-8751/8752-014-36	MM	8.3	8.7	6.9
00-8751/8752-015-36	NN	9.3	9.7	8.1
00-8751/8752-016-36	OO	10.4	10.7	9.1
00-8751/8752-017-36	PP	11.3	11.7	10.1
00-8751/8752-018-36	QU	12.4	12.7	11.1
00-8751/8752-019-36	RR	13.3	13.7	12.1
00-8751/8752-020-36	SS	14.3	14.7	13.1
00-8751/8752-021-36	TT	15.4	15.7	14.0
00-8751/8752-022-36	UU	16.3	16.7	15.0
00-8751/8752-023-36	VV	17.3	17.7	16.0
40mm Neutral Liners				
00-8751-012-40	KK	4.3	4.7	2.9
00-8751-013-40	LL	5.3	5.7	3.9
00-8751-014-40	MM	6.3	6.7	4.9
00-8751-015-40	NN	7.3	7.7	6.1
00-8751-016-40	OO	8.3	8.7	7.1
00-8751-017-40	PP	9.3	9.7	8.1
00-8751-018-40	QU	10.4	10.7	9.1
00-8751-019-40	RR	11.3	11.7	10.1
00-8751-020-40	SS	12.3	12.7	11.0
00-8751-021-40	TT	13.3	13.7	12.0
00-8751-022-40	UU	14.3	14.7	13.0
00-8751-023-40	VV	15.3	15.7	14.0





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