



iNSitu[™]

Bipolar Hip System

Surgical Technique

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iNSitu™ Hip System Surgical Technique

Bipolar Head

CoCr Shell, Sizes 38 - 60mm



Femoral Heads

Multiple offsets available in CoCr.
Size 22mm or 28mm



Femoral Stems

Size 0 - Size 14 available in **Standard** and **Lateralized** Offsets.



Blade Femoral Stems

Size 3 - Size 24 available in **Standard** and **Lateralized** Offsets.



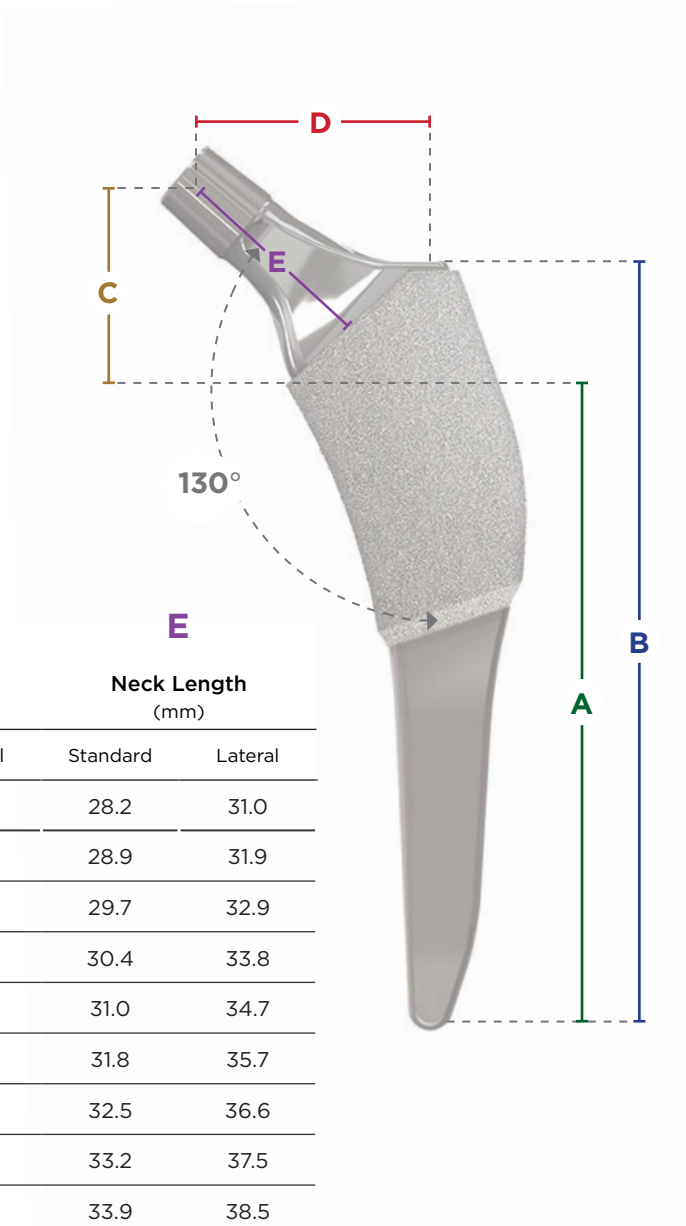
Sizing and Compatibility

Bipolar Head	Femoral Head
Size 38	22mm
Size 40	
Size 42	
Size 44	28mm
Size 46	
Size 48	
Size 50	
Size 52	
Size 54	
Size 56	
Size 58	
Size 60	

Femoral Head	Offset
22mm	+0 mm
	+3* mm
28mm	-3.5 mm
	+0 mm
	+3.5 mm
	+7 mm*

**Offset offered in skirted version of head only*

Stem Specifications

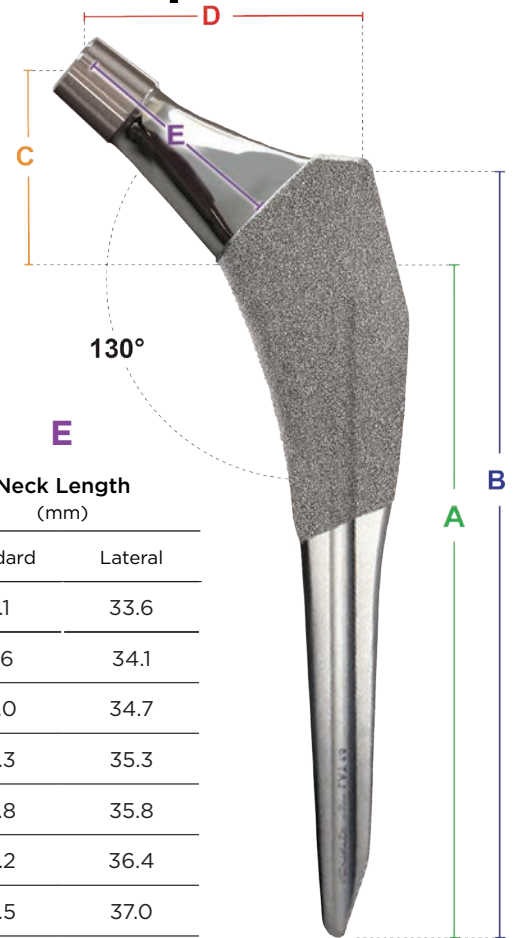


iNSitu Stem Specifications

Stem Size	A	B	C	D		E	
	Shoulder Length (mm)	Shoulder Stem Length (mm)	Vertical Offset (mm)	Horizontal Offset (mm)		Neck Length (mm)	
				Standard	Lateral	Standard	Lateral
0	93	112	26.9	35.5	39.5	28.2	31.0
1	95	115	27.6	36.4	40.7	28.9	31.9
2	97	117	28.3	37.2	41.9	29.7	32.9
3	99	119	29.0	38.1	43.1	30.4	33.8
4	101	121	29.8	39.0	44.3	31.0	34.7
5	103	123	30.5	39.8	45.5	31.8	35.7
6	105	125	31.2	40.7	46.6	32.5	36.6
7	107	127	31.9	41.6	47.8	33.2	37.5
8	109	129	32.7	42.4	49.0	33.9	38.5
9	111	132	33.4	43.3	50.2	34.6	39.4
10	113	134	34.1	44.1	51.4	35.4	40.3
11	115	136	34.8	45.0	52.6	36.0	41.3
12	117	138	35.6	45.9	53.8	36.8	42.2
13	119	140	36.3	46.7	55.0	37.5	43.1
14	121	142	37.0	47.6	56.1	38.2	44.0

C, D, E are the distance to head center when using +0 head

Stem Specifications



Blade Stem Specifications

Stem Size	A	B	C	D		E	
	Shoulder Length (mm)	Shoulder Stem Length (mm)	Vertical Offset (mm)	Horizontal Offset (mm)		Neck Length (mm)	
				Standard	Lateral	Standard	Lateral
3	74.0	92.0	28.0	34.2	37.8	31.1	33.6
4	75.0	93.0	28.5	34.9	38.6	31.6	34.1
5	106.8	124.8	28.9	35.5	39.5	32.0	34.7
6	109.0	126.9	29.3	36.1	40.4	32.3	35.3
7	110.9	128.9	29.8	36.8	41.2	32.8	35.8
8	112.8	130.8	30.2	37.4	42.1	33.2	36.4
9	114.8	132.8	30.6	38.0	43.0	33.5	37.0
10	116.9	134.9	31.0	38.7	43.9	34.0	37.6
11	118.8	136.8	31.5	39.3	44.7	34.4	38.1
12	120.8	138.8	31.9	40.0	45.6	34.8	38.7
13	122.8	140.8	32.3	40.6	46.5	35.2	39.3
14	124.8	142.8	32.7	41.2	47.4	35.6	40.0
15	126.8	144.8	33.2	41.9	48.2	36.1	40.4
16	128.7	146.7	33.6	42.5	49.1	36.4	41.0
17	130.7	148.7	34.0	43.1	50.0	36.8	41.5
18	132.8	150.7	34.4	43.8	50.9	37.2	42.1
20	136.8	154.8	35.3	45.1	52.6	38.1	43.3
22	140.8	158.8	36.1	46.3	54.4	38.8	44.4
24	144.8	162.8	37.0	47.6	56.1	40.0	45.5

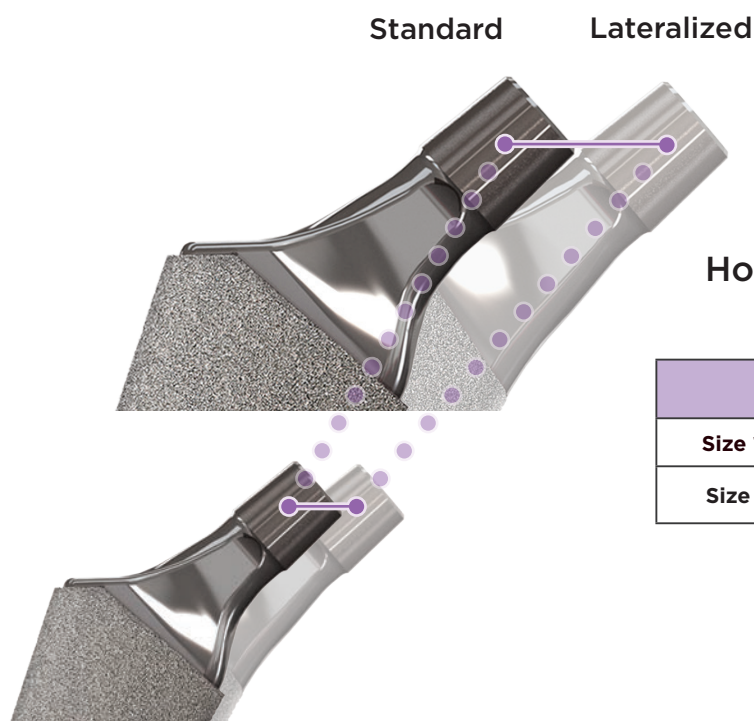
C, D, E are the distance to head center when using +0 head

Stem Specifications

Progressive Lateralization

A lateralized version of each stem is available, providing a progressively greater horizontal offset with each size, while still maintaining leg length, vertical offset and neck angle. The stem is designed to more accurately match anatomical variations and consistencies for optimal biomechanical reconstruction.

Femoral Stem Head Centers



Horizontal Offset Range Between Standard & Lateralized

iNSitu		Blade	
Size 14	+8.5 mm	Size 24	+8.5 mm
Size 0	+4.0 mm	Size 3	+3.6 mm

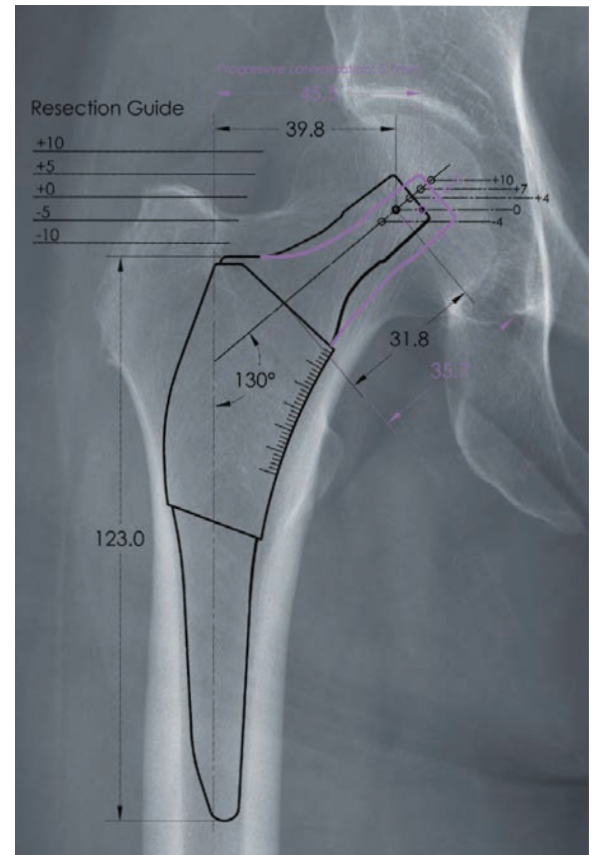
Pre-Operative Planning

Femoral Templating

Utilizing the femoral templates, establish the probable size and position of the femoral stem, location of femoral neck resection, and head center. With the template aligned along the axis of the femur, choose the template size that achieves proximal medio-lateral cortical contact with the body of the implant and an appropriate femoral head offset.

The Femoral Stem has standard and lateralized offset options. The lateralized option offers an increased horizontal offset without affecting leg length.

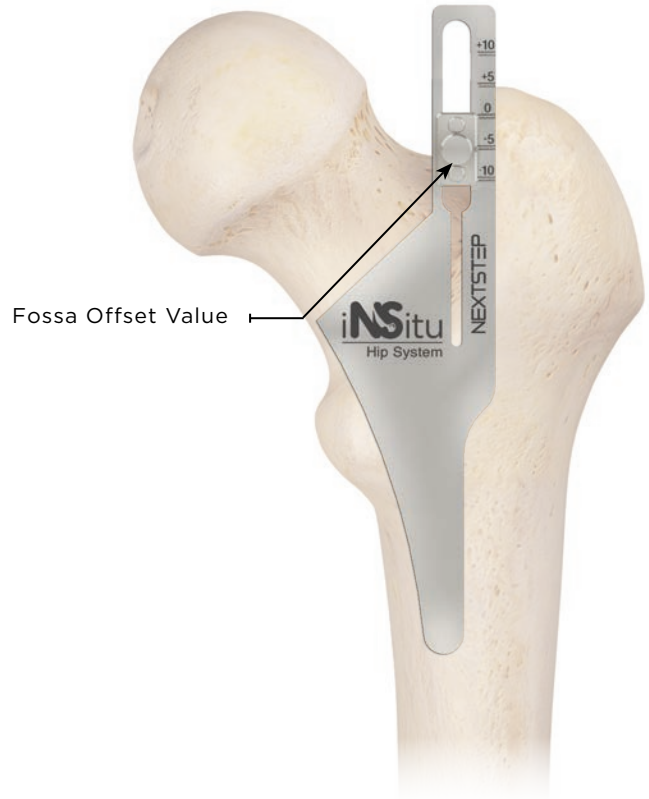
Identify the fossa height: the lowest point of the trochanteric fossa. This value will be used as a reference during intra-operative neck resection.



Femoral Prep

Femoral Neck Resection

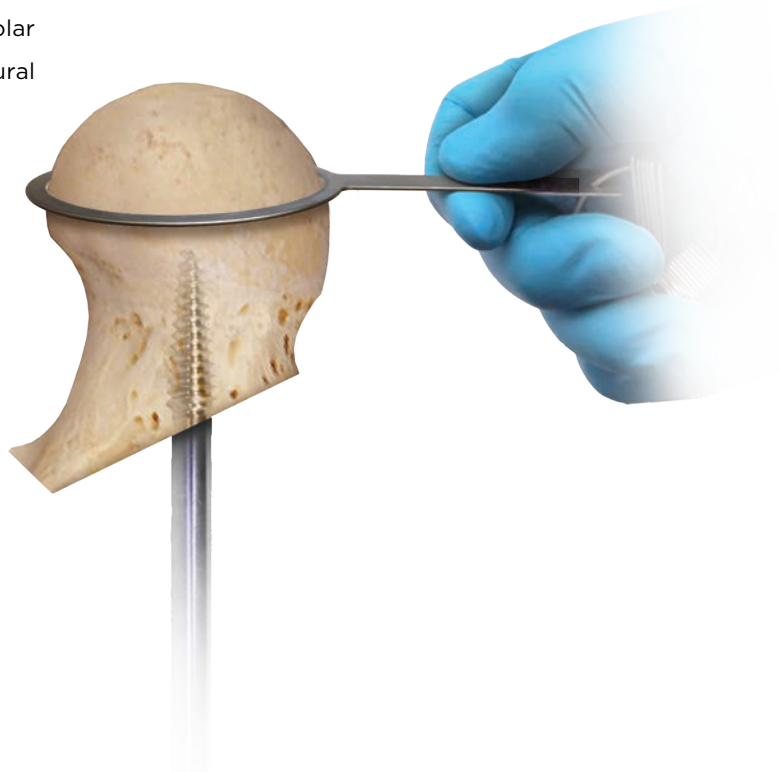
Using the fossa offset identified during pre-operative templating, adjust the peg on the **Femoral Resection Guide** to the corresponding value. Align the guide with the long axis of the femur, and move distally until the peg rests in the trochanteric fossa. Mark the resection line. Resect the femoral head.



Description	REF
Femoral Resection Guide	10-95-3000
Femoral Head Extractor	10-95-3027

Bipolar Head Sizing

Determine the size of the Femoral Head with the use of the **Bipolar Sizing Rings** to estimate the size of the Bipolar Head. Choose the closest approximation of the natural femoral head.



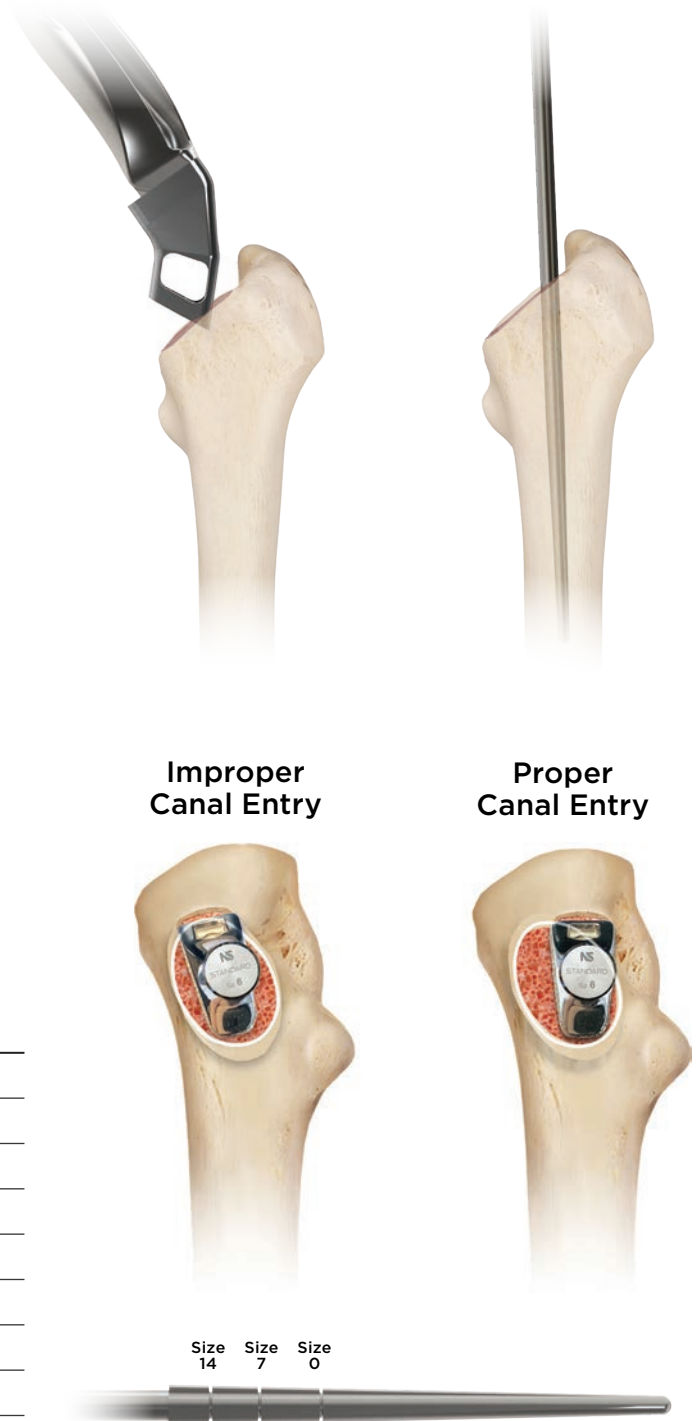
Description	REF
Bipolar Sizing Rings	10-95-3037

Femoral Prep

Accessing the Femoral Canal

Attach the **Box Osteotome** to the **Broach Handle** (available in straight, single, and double offset configurations). The box osteotome is trapezoidal in shape and may be used to create an entry into the femoral canal and to establish version. To prevent under-sizing or varus positioning, the greater trochanter, posterolaterally up to the Piriformis Fossa, can be prepared with the Box Osteotome or a rongeur. This helps clear the femoral canal so the femoral prep instruments avoid interference from the dense bone surrounding the trochanter providing ideal lateralization to avoid varus positioning and femoral component under-sizing.

Utilizing the **Canal Finder**, create an open pathway to the medullary canal to the appropriate depth along the neutral alignment of the femoral axis. The canal finder should pass with little resistance if proper alignment has been achieved. To further aid neutral stem alignment, the quick connect **Lateralizing Reamer** may be used to widen the canal entry point. The optional **Canal Finding Rasp** may be used to open the pathway to the medullary canal and establish version.



Description	REF
Box Osteotome	10-95-3007
Straight Broach Handle	10-95-3003
Single Offset Broach Handle	10-95-3008
Double Offset Broach Handle Left	10-95-3005
Double Offset Broach Handle Right	10-95-3006
Canal Finder	10-95-3009
Lateralizing Reamer	10-95-3010
Canal Finding Rasp	10-95-3011
Dual Taper Box Osteotome	10-95-3033
Dual Taper Canal Finding Rasp	10-95-3031

Femoral Prep

Femoral Canal Preparation

Attach the **Starter Broach** to the **Broach Handle** (available in straight, single, and double offset configurations). Maintaining axial and rotational alignment, insert and impact into the femur. Utilizing progressively larger **Broaches**, enlarge the cavity until axial and rotational stability is achieved.

Upon reaching the final size, detach the broach handle from broach by pulling the trigger, leaving the broach fully seated in the femoral canal.



Description	REF
Starter Broach	10-95-3012
Straight Broach Handle	10-95-3003
Single Offset Broach Handle	10-95-3008
Double Offset Broach Handle Left	10-95-3005
Double Offset Broach Handle Right	10-95-3006
Broaches	10-80-0000 - 10-80-0014
Dual Taper Starter Broach	10-95-3032
Dual Taper Broaches	10-80-0303 - 10-80-0324

Femoral Prep

Calcar Preparation (Optional)

It may be necessary to mill excess bone from the resected neck to ensure the stem is seated at the expected level. Attach the **Calcar Planer Adapter** to the broach and guide the **Calcar Planer** (available in diamond and twin blade) over the calcar planer adapter. Initiate power prior to engaging contact with the bone to prevent damage to femur.



Description	REF
Calcar Planer Adapter	10-95-3013
Twin Blade Calcar Planer	10-95-3015
Diamond Blade Calcar Planer	10-95-3014

Bipolar Head Trial

Utilize the corresponding **Bipolar Sizing Handle** and **Bipolar Head Trial** determined during Bipolar Head Sizing to verify the appropriate Bipolar Head size.



Description	REF
Bipolar Sizing Handle	10-95-3035
Bipolar Head Trial	10-82-0138 - 10-82-0160

Femoral Prep

Trial Reduction

To assess proper positioning, offset and leg length, attach the appropriate **Neck Trial, Femoral Head Trial, and Bipolar Head Trial** to the broach in situ. With the Neck Trial, Femoral Head Trial, and Bipolar Head Trial in place, perform a trial reduction of the hip. Adjust the Neck Trial, Femoral Head Trial, and Bipolar Head Trial until the desired leg length and offset are achieved.

Upon confirmation of final component sizes, remove the Head Trial and Neck Trial and attach the **Broach Handle** to the **Broach** and remove.



Description	REF
Standard Neck Trials	10-81-0100 - 10-81-0114
Lateralized Neck Trials	10-81-0200 - 10-81-0214
Bipolar Head Trials	10-82-0138 - 10-82-0160
Femoral Head Trials	10-82-2201 - 10-82-2803
Straight Broach Handle	10-95-3003
Single Offset Broach Handle	10-95-3004
Double Offset Broach Handle Left	10-95-3005
Double Offset Broach Handle Right	10-95-3006
Broaches	10-80-0000 - 10-80-0014
Dual Taper Standard Neck Trials	10-81-0303 - 10-81-0324
Dual Taper Lateralized Neck Trials	10-81-0403 - 10-81-0424
Dual Taper Broaches	10-80-0303 - 10-80-0324

iNSitu™ Bipolar Hip System Surgical Technique

Femoral Prep

Femoral Implant Insertion

Insert the final stem size using the **Modular Stem Inserter** or **Straight Stem Inserter**. The Modular Stem Inserter connects to the broach handle. Maintaining proper alignment, gently impact the stem using a small mallet to gradually seat the implant. The femoral stem has a stem cap over the taper to protect the taper and keep it clean and dry and may be left on the stem during final insertion.



Description	REF
Straight Stem Inserter	10-95-3017
Modular Stem Inserter	10-95-3028

Femoral Head and Bipolar Prep

Femoral Head Impaction

Remove the stem cap and ensure the taper interface is clean and dry. Place the final femoral head on the taper. Using the **Head Impactor**, firmly impact the head along the taper axis with a small mallet.

Bipolar Insertion

Snap appropriate sized Bipolar Head over the installed femoral head. Insert the Bipolar Head into the acetabulum.

Alternative: Femoral Head and Bipolar Prep

The final Femoral and Bipolar Heads can be pre-assembled prior to placement onto the femoral trunnion. Ensure the taper interface is clean and dry. Place the final assembly onto the femoral trunnion and firmly impact with a small mallet along the taper axis.



Description

REF

Head Impactor

10-95-3018

Reducing the Joint

Reduce the Bipolar Head assembly into the acetabulum. Closure can then be performed using the surgeon's preferred technique.

iNSitu™ Bipolar Hip System Surgical Technique

Component Removal

In the unlikely event that the stem needs to be removed, the **Stem Extractor** (available in straight and u-joint configurations) is screwed into the threaded hole on the lateral/proximal shoulder of the stem. The **Slap Hammer** is then threaded into the end of the stem extractor and is used to extract the stem, using the slap hammer handle to guide and control the blows



Description	REF
Straight Stem Extractor	10-95-3019
U-Joint Stem Extractor	10-95-3020
Slap Hammer	10-95-3021

iNSitu™ Bipolar Hip System Surgical Technique

Component Removal

In the unlikely event that the Bipolar Head needs to be removed from the Femoral Head, place the **Bipolar Head Extractor** into the holes in the underside of the Bipolar head. This will release the lock ring and allow the femoral head to be removed.



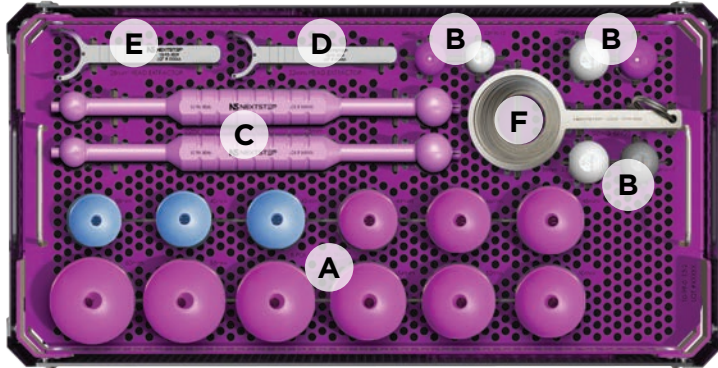
Description	REF
22mm Bipolar Head Extractor	10-95-3038
28mm Bipolar Head Extractor	10-95-3039

Instruments

Ordering and Case Locations

Instrument Sets

Bipolar Tray



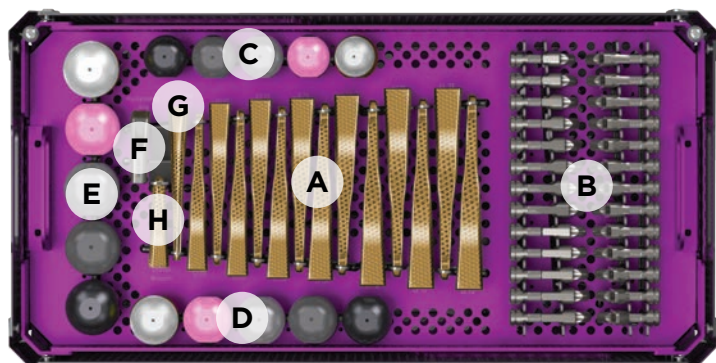
Ref	SKU	Description
A	10-82-0138	38mm Bipolar Head Trial
A	10-82-0140	40mm Bipolar Head Trial
A	10-82-0142	42mm Bipolar Head Trial
A	10-82-0144	44mm Bipolar Head Trial
A	10-82-0146	46mm Bipolar Head Trial
A	10-82-0148	48mm Bipolar Head Trial
A	10-82-0150	50mm Bipolar Head Trial
A	10-82-0152	52mm Bipolar Head Trial
A	10-82-0154	54mm Bipolar Head Trial
A	10-82-0156	56mm Bipolar Head Trial
A	10-82-0158	58mm Bipolar Head Trial
A	10-82-0160	60mm Bipolar Head Trial
B	10-82-2201	22mm, +0mm Femoral Head Trial
B	10-82-2202	22mm, +3mm Skirted Femoral Head Trial
B	10-82-2800	28mm, -3.5mm Femoral Head Trial
B	10-82-2801	28mm, +0mm Femoral Head Trial
B	10-82-2802	28mm, +3.5mm Femoral Head Trial
B	10-82-2803	28mm, +7mm Skirted Femoral Head Trial
C	10-95-3035	22/28mm Bipolar Sizing Handle, x2
D	10-95-3038	22mm Bipolar Head Extractor
E	10-95-3039	28mm Bipolar Head Extractor
F	10-95-3037	Bipolar Sizing Ring Assembly

iNSitu™ Bipolar Hip System Surgical Technique

Instrument Sets

iNSitu Femoral Prep Tray

Top Tray



Ref	SKU	Description
A	10-80-0000	Broach Size 0
A	10-80-0001	Broach Size 1
A	10-80-0002	Broach Size 2
A	10-80-0003	Broach Size 3
A	10-80-0004	Broach Size 4
A	10-80-0005	Broach Size 5
A	10-80-0006	Broach Size 6
A	10-80-0007	Broach Size 7
A	10-80-0008	Broach Size 8
A	10-80-0009	Broach Size 9
A	10-80-0010	Broach Size 10
A	10-80-0011	Broach Size 11
A	10-80-0012	Broach Size 12
B	10-81-0100	Standard Neck Trial Size 0
B	10-81-0200	Lateralized Neck Trial Size 0
B	10-81-0101	Standard Neck Trial Size 1
B	10-81-0201	Lateralized Neck Trial Size 1
B	10-81-0102	Standard Neck Trial Size 2
B	10-81-0202	Lateralized Neck Trial Size 2
B	10-81-0103	Standard Neck Trial Size 3
B	10-81-0203	Lateralized Neck Trial Size 3
B	10-81-0104	Standard Neck Trial Size 4
B	10-81-0204	Lateralized Neck Trial Size 4

Ref	SKU	Description
B	10-81-0105	Standard Neck Trial Size 5
B	10-81-0205	Lateralized Neck Trial Size 5
B	10-81-0106	Standard Neck Trial Size 6
B	10-81-0206	Lateralized Neck Trial Size 6
B	10-81-0107	Standard Neck Trial Size 7
B	10-81-0207	Lateralized Neck Trial Size 7
B	10-81-0108	Standard Neck Trial Size 8
B	10-81-0208	Lateralized Neck Trial Size 8
B	10-81-0109	Standard Neck Trial Size 9
B	10-81-0209	Lateralized Neck Trial Size 9
B	10-81-0110	Standard Neck Trial Size 10
B	10-81-0210	Lateralized Neck Trial Size 10
B	10-81-0111	Standard Neck Trial Size 11
B	10-81-0211	Lateralized Neck Trial Size 11
B	10-81-0112	Standard Neck Trial Size 12
B	10-81-0212	Lateralized Neck Trial Size 12
*C	10-82-3200	Head Trial 32mm x -4mm
*C	10-82-3201	Head Trial 32mm x +0mm
*C	10-82-3202	Head Trial 32mm x +4mm
*C	10-82-3203	Head Trial 32mm x +7mm
*C	10-82-3204	Head Trial 32mm x +10mm
*D	10-82-3600	Head Trial 36mm x -4mm
*D	10-82-3601	Head Trial 36mm x +0mm
*D	10-82-3602	Head Trial 36mm x +4mm
*D	10-82-3603	Head Trial 36mm x +8mm
*D	10-82-3604	Head Trial 36mm x +10mm
*E	10-82-4000	Head Trial 40mm x -4mm
*E	10-82-4001	Head Trial 40mm x +0mm
*E	10-82-4002	Head Trial 40mm x +4mm
*E	10-82-4003	Head Trial 40mm x +8mm
*E	10-82-4004	Head Trial 40mm x +10mm
F	10-95-3007	Box Osteotome
G	10-95-3011	Canal Finding Rasp
H	10-95-3012	Starter Broach

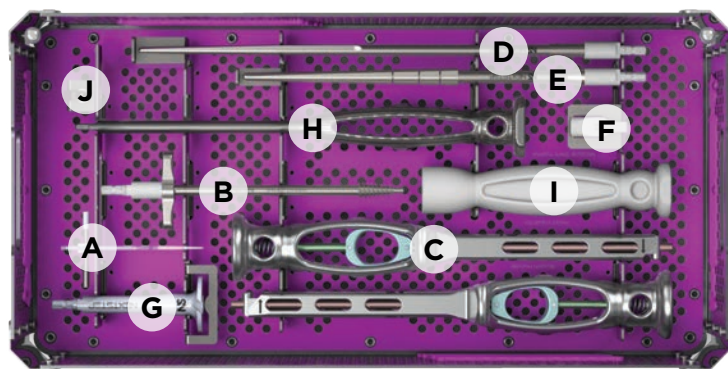
See NSA sales rep for additional instrument options

* Items C, D, and E: Head Trials supplied with the Femoral Prep Tray are not used for Bipolar Hip System.

Instrument Sets

iNSitu Femoral Prep Tray

Lower Tray



Ref	SKU	Description
A	10-95-3000	Femoral Neck Resection Guide
B	10-95-3027	Femoral Head Extractor
C	10-95-3003	Straight Broach Handle, x2
D	10-95-3009	Canal Finder
E	10-95-3010	Lateralizing Reamer
F	10-95-3028	Modular Stem Inserter, Optional
G	10-95-3015	Twin Blade Calcar Planer
OPTION	10-95-3014	Diamond Blade Calcar Planer
H	10-95-3017	Straight Stem Inserter
I	10-95-3018	Head Impactor
J	10-95-3013	Calcar Planer Adapter

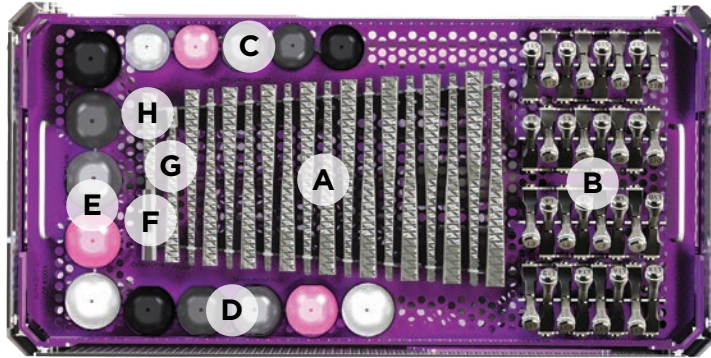
See NSA sales rep for additional instrument options

iNSitu™ Bipolar Hip System Surgical Technique

Instrument Sets

Blade Femoral Prep Tray

Top Tray



Ref	SKU	Description
A	10-80-0303	Dual Taper Broach Size 3
A	10-80-0304	Dual Taper Broach Size 4
A	10-80-0305	Dual Taper Broach Size 5
A	10-80-0306	Dual Taper Broach Size 6
A	10-80-0307	Dual Taper Broach Size 7
A	10-80-0308	Dual Taper Broach Size 8
A	10-80-0309	Dual Taper Broach Size 9
A	10-80-0310	Dual Taper Broach Size 10
A	10-80-0311	Dual Taper Broach Size 11
A	10-80-0312	Dual Taper Broach Size 12
A	10-80-0313	Dual Taper Broach Size 13
A	10-80-0314	Dual Taper Broach Size 14
A	10-80-0315	Dual Taper Broach Size 15
A	10-80-0316	Dual Taper Broach Size 16
A	10-80-0317	Dual Taper Broach Size 17
A	10-80-0318	Dual Taper Broach Size 18
A	10-80-0320	Dual Taper Broach Size 20
A	10-80-0322	Dual Taper Broach Size 22
A	10-80-0324	Dual Taper Broach Size 24
B	10-81-0303	Dual Taper Standard Neck Trial Size 3
B	10-81-0403	Dual Taper Lateralized Neck Trial Size 3
B	10-81-0304	Dual Taper Standard Neck Trial Size 4
B	10-81-0404	Dual Taper Lateralized Neck Trial Size 4
B	10-81-0305	Dual Taper Standard Neck Trial Size 5
B	10-81-0405	Dual Taper Lateralized Neck Trial Size 5
B	10-81-0306	Dual Taper Standard Neck Trial Size 6
B	10-81-0406	Dual Taper Lateralized Neck Trial Size 6
B	10-81-0307	Dual Taper Standard Neck Trial Size 7
B	10-81-0407	Dual Taper Lateralized Neck Trial Size 7
B	10-81-0308	Dual Taper Standard Neck Trial Size 8
B	10-81-0408	Dual Taper Lateralized Neck Trial Size 8

Ref	SKU	Description
B	10-81-0309	Dual Taper Standard Neck Trial Size 9
B	10-81-0409	Dual Taper Lateralized Neck Trial Size 9
B	10-81-0310	Dual Taper Standard Neck Trial Size 10
B	10-81-0410	Dual Taper Lateralized Neck Trial Size 10
B	10-81-0311	Dual Taper Standard Neck Trial Size 11
B	10-81-0411	Dual Taper Lateralized Neck Trial Size 11
B	10-81-0312	Dual Taper Standard Neck Trial Size 12
B	10-81-0412	Dual Taper Lateralized Neck Trial Size 12
B	10-81-0313	Dual Taper Standard Neck Trial Size 13
B	10-81-0413	Dual Taper Lateralized Neck Trial Size 13
B	10-81-0314	Dual Taper Standard Neck Trial Size 14
B	10-81-0414	Dual Taper Lateralized Neck Trial Size 14
B	10-81-0315	Dual Taper Standard Neck Trial Size 15
B	10-81-0415	Dual Taper Lateralized Neck Trial Size 15
B	10-81-0316	Dual Taper Standard Neck Trial Size 16
B	10-81-0416	Dual Taper Lateralized Neck Trial Size 16
B	10-81-0317	Dual Taper Standard Neck Trial Size 17
B	10-81-0417	Dual Taper Lateralized Neck Trial Size 17
B	10-81-0318	Dual Taper Standard Neck Trial Size 18
B	10-81-0418	Dual Taper Lateralized Neck Trial Size 18
B	10-81-0320	Dual Taper Standard Neck Trial Size 20
B	10-81-0420	Dual Taper Lateralized Neck Trial Size 20
B	10-81-0322	Dual Taper Standard Neck Trial Size 22
B	10-81-0422	Dual Taper Lateralized Neck Trial Size 22
B	10-81-0324	Dual Taper Standard Neck Trial Size 24
B	10-81-0424	Dual Taper Lateralized Neck Trial Size 24
* C	10-82-3200	Head Trial 32mm x -4mm
* C	10-82-3201	Head Trial 32mm x +0mm
* C	10-82-3202	Head Trial 32mm x +4mm
* C	10-82-3203	Head Trial 32mm x +7mm
* C	10-82-3204	Head Trial 32mm x +10mm
* D	10-82-3600	Head Trial 36mm x -4mm
* D	10-82-3601	Head Trial 36mm x +0mm
* D	10-82-3602	Head Trial 36mm x +4mm
* D	10-82-3603	Head Trial 36mm x +8mm
* D	10-82-3604	Head Trial 36mm x +10mm
* E	10-82-4000	Head Trial 40mm x -4mm
* E	10-82-4001	Head Trial 40mm x +0mm
* E	10-82-4002	Head Trial 40mm x +4mm
* E	10-82-4003	Head Trial 40mm x +8mm
* E	10-82-4004	Head Trial 40mm x +10mm
F	10-95-3033	Dual Taper Box Osteotome
G	10-95-3031	Dual Taper Canal Finding Rasp
H	10-95-3032	Dual Taper Starter Broach

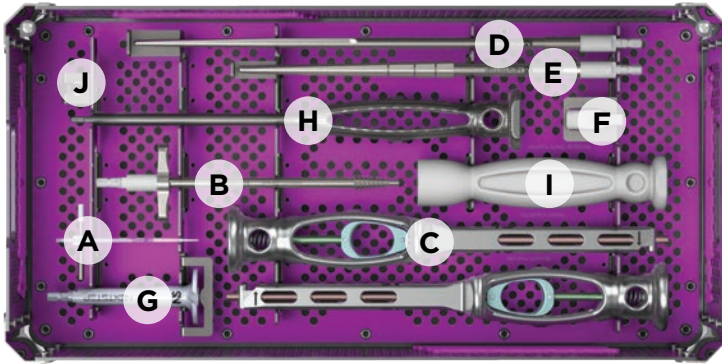
See NSA sales rep for additional instrument options

* Items C, D, and E: Head Trials supplied with the Blade Femoral Prep Tray are not used for Bipolar Hip System.

Instrument Sets

Blade Femoral Prep Tray

Lower Tray



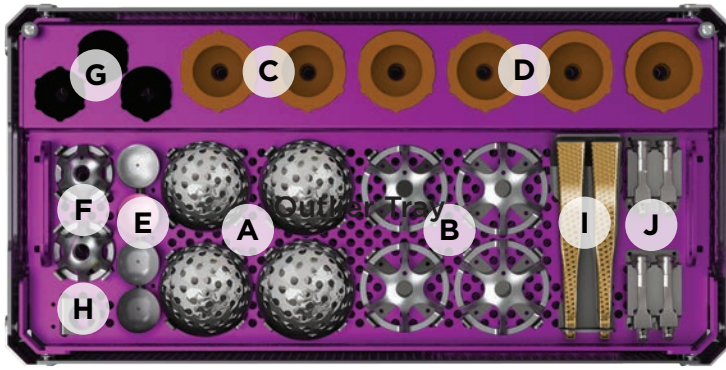
Ref	SKU	Description
A	10-95-3000	Femoral Neck Resection Guide
B	10-95-3027	Femoral Head Extractor
C	10-95-3003	Straight Broach Handle, x2
D	10-95-3009	Canal Finder
E	10-95-3010	Lateralizing Reamer
F	10-95-3028	Modular Stem Inserter, Optional
G	10-95-3015	Twin Blade Calcar Planer
OPTION	10-95-3014	Diamond Blade Calcar Planer
H	10-95-3017	Straight Stem Inserter
I	10-95-3018	Head Impactor
J	10-95-3013	Calcar Planer Adapter

See NSA sales rep for additional instrument options

iNSitu™ Bipolar Hip System Surgical Technique

Instrument Sets

iNSitu Outlier Tray



Ref	SKU	Description
* A	10-83-0264	Low Rider Reamer Size 64
* A	10-83-0266	Low Rider Reamer Size 66
* A	10-83-0268	Low Rider Reamer Size 68
* A	10-83-0270	Low Rider Reamer Size 70
* B	10-84-0062	Quick Connect Cup Trial Size 62
* B	10-84-0064	Quick Connect Cup Trial Size 64
* B	10-84-0066	Quick Connect Cup Trial Size 66
* B	10-84-0068	Quick Connect Cup Trial Size 68
* C	10-85-3662	Neutral Liner Trial Size 62/68 x 36mm ID
* C	10-87-3662	Face Changing Liner Trial Size 62/68 x 36mm ID
* C	10-86-3662	Hooded Liner Trial Size 62/68 x 36mm ID
* D	10-85-4062	Neutral Liner Trial Size 62/68 x 40mm ID
* D	10-86-4062	Hooded Liner Trial Size 62/68 x 40mm ID
* D	10-87-4062	Face Changing Liner Trial Size 62/68 x 40mm ID
E	10-82-2800	Head Trial 28mm x -3.5mm
E	10-82-2801	Head Trial 28mm x +0mm
E	10-82-2802	Head Trial 28mm x +3.5mm
E	10-82-2803	Head Trial 28mm x +7mm
* F	10-84-0042	Quick Connect Cup Trial Size 42
* F	10-84-0044	Quick Connect Cup Trial Size 44
* G	10-85-2842	Neutral Liner Trial Size 42/44 x 28mm ID
* G	10-86-2842	Hooded Liner Trial Size 42/44 x 28mm ID
* G	10-87-2842	Face Changing Liner Trial Size 42/44 x 28mm ID
* H	10-95-2018	Liner Impactor Size 28mm

Ref	SKU	Description
I	10-80-0013	Broach Size 13
I	10-80-0014	Broach Size 14
J	10-81-0113	Standard Neck Trial Size 13
J	10-81-0213	Lateralized Neck Trial Size 13
J	10-81-0114	Standard Neck Trial Size 14
J	10-81-0214	Lateralized Neck Trial Size 14

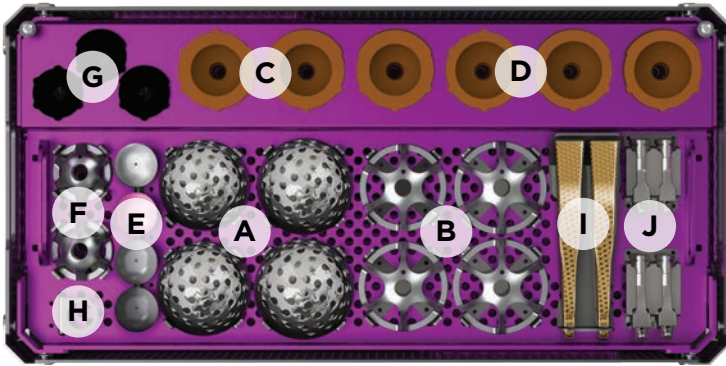
See NSA sales rep for additional instrument options

* Items A, B, C, D, F, G, and H: These components supplied with the Outlier Tray are not used for Bipolar Hip System.

iNSitu™ Bipolar Hip System Surgical Technique

Instrument Sets

Blade Outlier Tray



Ref	SKU	Description
* A	10-83-0264	Low Rider Reamer Size 64
* A	10-83-0266	Low Rider Reamer Size 66
* A	10-83-0268	Low Rider Reamer Size 68
* A	10-83-0270	Low Rider Reamer Size 70
* B	10-84-0062	Quick Connect Cup Trial Size 62
* B	10-84-0064	Quick Connect Cup Trial Size 64
* B	10-84-0066	Quick Connect Cup Trial Size 66
* B	10-84-0068	Quick Connect Cup Trial Size 68
* C	10-85-3662	Neutral Liner Trial Size 62/68 x 36mm ID
* C	10-87-3662	Face Changing Liner Trial Size 62/68 x 36mm ID
* C	10-86-3662	Hooded Liner Trial Size 62/68 x 36mm ID
* D	10-85-4062	Neutral Liner Trial Size 62/68 x 40mm ID
* D	10-86-4062	Hooded Liner Trial Size 62/68 x 40mm ID
* D	10-87-4062	Face Changing Liner Trial Size 62/68 x 40mm ID
E	10-82-2800	Head Trial 28mm x -3.5mm
E	10-82-2801	Head Trial 28mm x +0mm
E	10-82-2802	Head Trial 28mm x +3.5mm
E	10-82-2803	Head Trial 28mm x +7mm
* F	10-84-0042	Quick Connect Cup Trial Size 42
* F	10-84-0044	Quick Connect Cup Trial Size 44
* G	10-85-2842	Neutral Liner Trial Size 42/44 x 28mm ID
* G	10-86-2842	Hooded Liner Trial Size 42/44 x 28mm ID
* G	10-87-2842	Face Changing Liner Trial Size 42/44 x 28mm ID
* H	10-95-2018	Liner Impactor Size 28mm

Ref	SKU	Description
I	10-80-0320	Dual Taper Broach Size 20
I	10-80-0322	Dual Taper Broach Size 22
I	10-80-0324	Dual Taper Broach Size 24
J	10-81-0320	Dual Taper Standard Neck Trial Size 20
J	10-81-0420	Dual Taper Lateralized Neck Trial Size 20
J	10-81-0322	Dual Taper Standard Neck Trial Size 22
J	10-81-0422	Dual Taper Lateralized Neck Trial Size 22
J	10-81-0324	Dual Taper Standard Neck Trial Size 24
J	10-81-0424	Dual Taper Lateralized Neck Trial Size 24

See NSA sales rep for additional instrument options

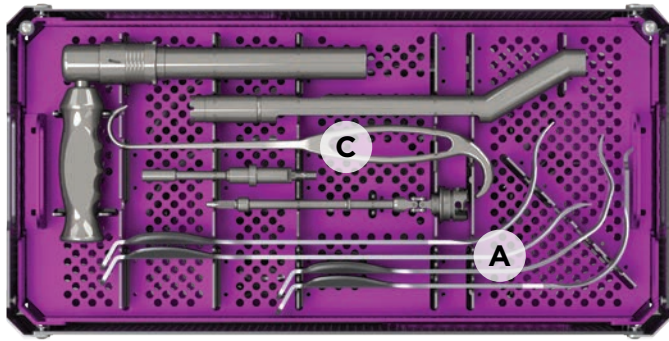
* Items A, B, C, D, F, G, and H: These components supplied with the Blade Outlier Tray are not used for Bipolar Hip System..

iNSitu™ Bipolar Hip System Surgical Technique

Instrument Sets

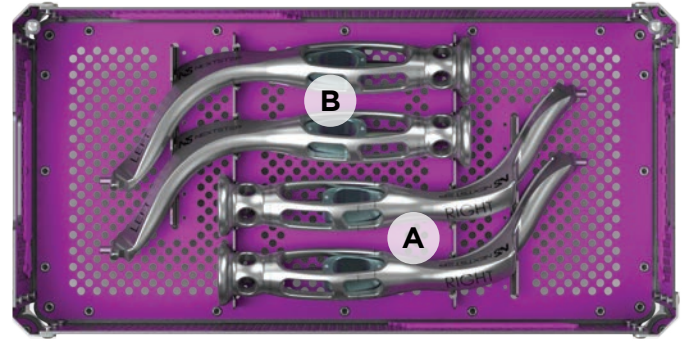
Direct Anterior Tray

Top Tray



Ref	SKU	Description
A	10-95-1003	Number Three Retractor
A	10-95-1005	Number Five Retractor
A	10-95-1007	Number Seven Retractor
A	10-95-1009	Number Nine Retractor
C	10-95-3001	Bone Hook

Lower Tray



Ref	SKU	Description
A	10-95-3005	Double Offset Broach Handle Left, x2
B	10-95-3006	Double Offset Broach Handle Right, x2

See NSA sales rep for additional instrument options

iNSitu™ Bipolar Hip System Surgical Technique

Indications

The iNSitu Bipolar Hip System is intended for use in combination with the iNSitu Total Hip System Femoral Stems for uncemented primary or revision hemiarthroplasty of the hip. This prosthesis may be used for the following conditions, as appropriate:

- Femoral neck and trochanteric fractures of the proximal femur;
- Osteonecrosis of the femoral head;
- Revision procedures where other devices or treatments for these indications have failed.

Contraindications

Contraindications may be relative or absolute and must be considered by the physician when making a decision on whether to use the device.

Absolute contraindications include:

- Infection, sepsis, or osteomyelitis;
- Bipolar head is not for use with an acetabular shell or liner.
- Insufficient bone structure or quality which may affect the stability of the implant;

- Rapid joint destruction or bone absorption;
- Skeletal immaturity;
- Muscular, ligamentous, neurological, vascular deficiencies or poor skin coverage, which may compromise the affected extremity;
- Alcoholism or other addictions;
- Sensitivity to the implant materials;
- High levels of physical activity (e.g. competitive sports, heavy physical labor);
- Obesity that can produce loads on the prosthesis, which can lead to failure of the fixation of the device or the device itself.

Relative contraindications include:

- uncooperative patient or patient with neurologic disorders and are incapable of following directions;
- osteoporosis;
- metabolic disorders which may impair bone formation;
- osteomalacia;
- distant foci of infections which may spread to the implant site;
- rapid joint destruction, marked bone loss or bone resorption apparent on roentgenogram and
- vascular insufficiency, muscular atrophy, or neuromuscular disease.



Consult instructions before use.

Rx only

Caution: Federal law (USA) restricts this device to sale by or on the order of a physician.



NextStep Arthropedix, LLC

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Please refer to package insert for complete product information, including contraindications, warnings, precautions, and adverse effects.

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