

Taperloc Complete Hip System

Surgical Technique



One Surgeon. One Patient.

Over 1 million times per year, Biomet helps one surgeon provide personalized care to one patient.

The science and art of medical care is to provide the right solution for each individual patient. This requires clinical mastery, a human connection between the surgeon and the patient, and the right tools for each situation.

At Biomet, we strive to view our work through the eyes of one surgeon and one patient. We treat every solution we provide as if it's meant for a family member.

Our approach to innovation creates real solutions that assist each surgeon in the delivery of durable personalized care to each patient, whether that solution requires a minimally invasive surgical technique, advanced biomaterials or a patient-matched implant.

When one surgeon connects with one patient to provide personalized care, the promise of medicine is fulfilled.

Taperloc Complete Hip System



Figure 1

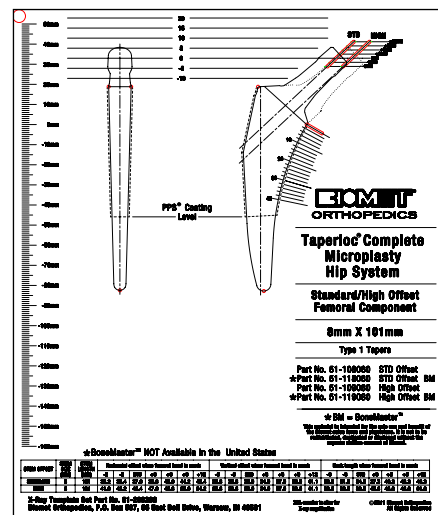
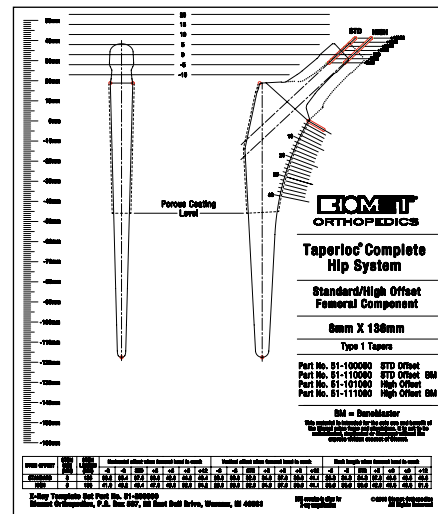


Figure 2

Patient Positioning and Surgical Approach

The goal of the surgical approach is to establish adequate visualization of the anatomy to evaluate stability and leg length. A number of surgical approaches to the hip can be utilized based on the degree of surgical experience and preference such as the anterolateral approach shown (Figure 1).

Preoperative templates are provided for determining optimal component size, femoral neck resection level and appropriate neck length (Figure 2). Radiographs should include a full A/P (anterior/posterior) view of the pelvis, including the proximal one-half of both femurs and a lateral view of the proximal half of the affected femur.

This standard and reduced distal surgical technique is utilized by Jeffery McLaughlin, M.D. Biomet as the manufacturer of this device, does not practice medicine and does not recommend this device or technique. Each surgeon is responsible for determining the appropriate device and technique to utilize on each individual patient.

Taperloc Complete Hip System

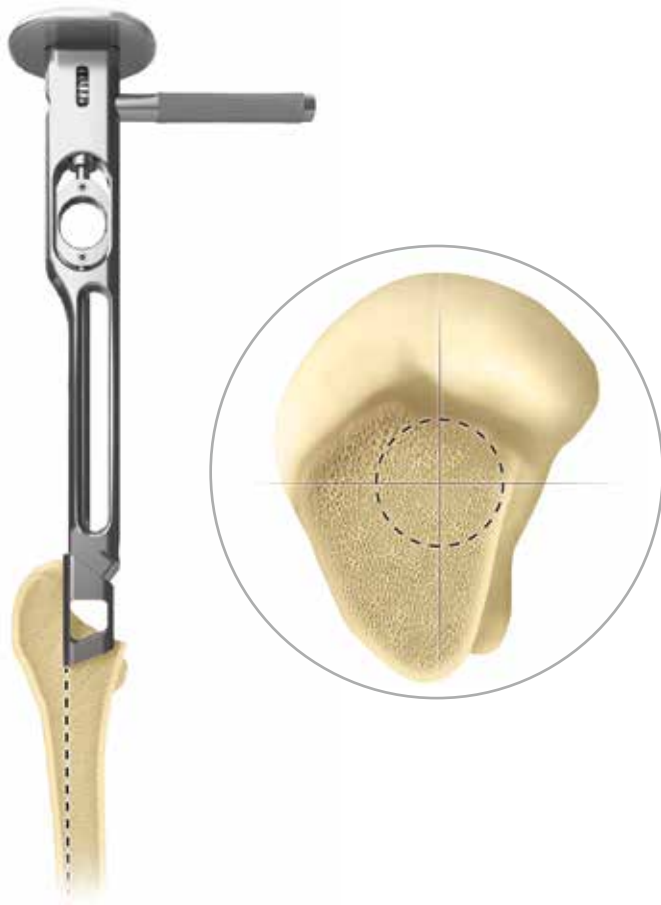


Figure 3



Figure 4

Accessing the Femoral Canal

Using the surgeon's preferred technique, resect the femoral head. Access the femoral canal with the straight box or offset chisel to determine the orientation of the femoral canal and access the lateral section of the proximal femur. This helps to clear the femoral canal postero-laterally to accept the starter reamer without interference from the dense bone surrounding the trochanter. The design of the straight box or offset chisel provides for adequate visualization to allow enough lateralization of the femoral canal to avoid varus positioning of the component (Figure 3).

A single starter reamer on a T-handle may be used to initiate the opening into the distal femoral canal to a level appropriate to the size component templated on the preoperative X-rays (Figure 4).

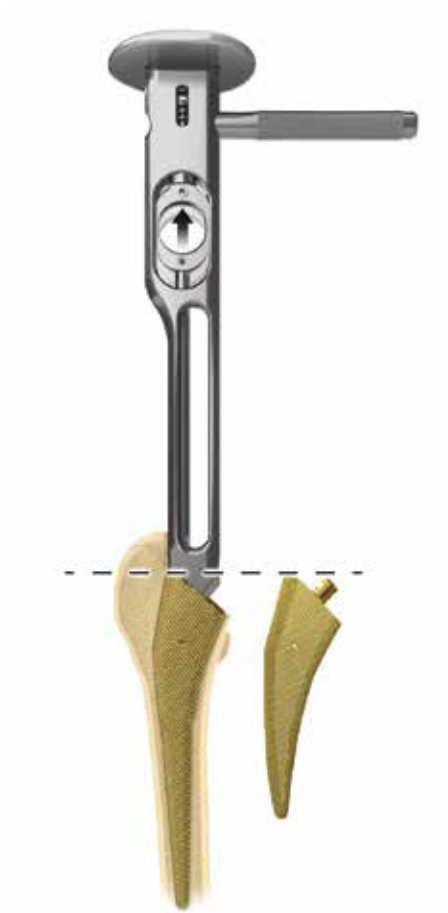


Figure 5

Femoral Canal Preparation

When preparing the proximal femur, always use care with the insertion and removal of each broach to avoid rotation and to preserve the version of the femoral canal.

Select the smallest sized Taperloc Complete broach and attach it to the broach handle by pulling back on the trigger to engage the broach (Figure 5). Orientation of the broach should take into account the medial/lateral and anterior/posterior position of the medullary canal. Progressively increase the broach size to enlarge the canal until the broach engages the medial and lateral cortex and cannot be advanced deeper or until the templated implant size is reached.

Note: When impacting the broach handle, ensure that impaction occurs on the strike plate, as opposed to the threaded handle adaptor.

Note: When preparing for the Taperloc Complete Microplasty stem placement, be sure to use the appropriate broach as shown above (Figure 5). Insertion technique is the same for both Taperloc Complete broaches and stems

Note: If the final broach size is less than the templated size, carefully determine that the broach is achieving a tight proximal fit and is not in varus position.

Taperloc Complete Hip System

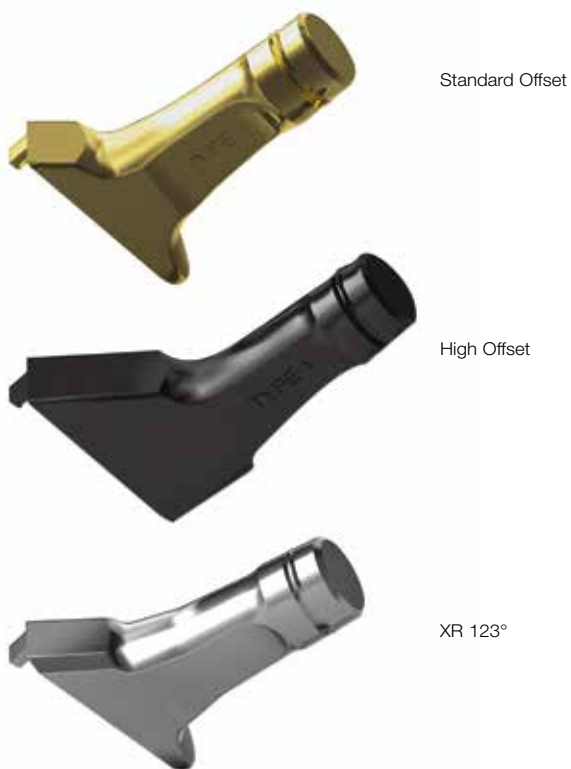


Figure 6



Figure 7

Trial Reduction

To perform a trial reduction with the fully seated broach, attach the appropriate Taperloc Complete magnetic neck trunnion onto the broach post. The gold trunnion indicates standard offset while the black trunnion represents high offset. The magnetic trunnions are sized to correspond to the final broach, and the stem size is clearly marked on the top of the trunnion (Figure 6).

Note: The Taperloc Complete full length and Microplasty stem options use the same neck trunnions.

Once the appropriate trunnion is in place, select the trial femoral head of desired diameter and neck length. Reduce the hip and evaluate the joint for soft tissue tension, anterior and posterior stability. If necessary, any additional adjustments to neck length and/or offset can be completed at this time (Figure 7).



Figure 8



Figure 9

Stem Insertion

Once the trial reduction is stable, remove the broach from the femoral canal and attach the implant to the blunt-tip femoral inserter, aligning the tab on the tip of the inserter to the indentation on the implant (Figure 8). The femoral inserter handle assists in controlling rotation of the implant and enables the implant to be inserted into the femoral canal with the proper amount of anteversion.

Take care to orient the implant parallel to the prepared envelope, matching the appropriate amount of anteversion determined during the broaching step. The stem should slide distally into the canal without excessive resistance until the implant engages the lateral and medial walls.

Gently tap the stem inserter to seat the prosthesis until there is an audible change in pitch to verify that the implant is fully seated.

Note: The Taperloc Complete stem is designed to achieve a tight press-fit in the femoral canal and thus should sit flush or slightly proud relative to the broach.

Final Reduction


If desired, another trial reduction can be accomplished prior to selecting the final head size and impacting the modular head onto the femoral implant. Provisional heads in seven neck lengths allow an additional trial reduction using the actual implant to ensure proper leg length and stability. After fully seating the femoral component, impact the appropriate modular head onto the clean, dry taper (Figure 9).

Taperloc Complete Hip System

Implants: Type 1 Taper – PPS Coating

Product	Standard Offset Part Number	High Offset Part Number	Description	Size
	51-100040		Taperloc Complete Full Profile Stem	4
	51-100050	51-101050	Taperloc Complete Full Profile Stem	5
	51-100060	51-101060	Taperloc Complete Full Profile Stem	6
	51-100070	51-101070	Taperloc Complete Full Profile Stem	7
	51-100080	51-101080	Taperloc Complete Full Profile Stem	8
	51-100090	51-101090	Taperloc Complete Full Profile Stem	9
	51-100100	51-101100	Taperloc Complete Full Profile Stem	10
	51-100110	51-101110	Taperloc Complete Full Profile Stem	11
	51-100120	51-101120	Taperloc Complete Full Profile Stem	12
	51-100130	51-101130	Taperloc Complete Full Profile Stem	13
	51-100140	51-101140	Taperloc Complete Full Profile Stem	14
	51-100150	51-101150	Taperloc Complete Full Profile Stem	15
	51-100160	51-101160	Taperloc Complete Full Profile Stem	16
	51-100170	51-101170	Taperloc Complete Full Profile Stem	17
	51-100180	51-101180	Taperloc Complete Full Profile Stem	18*
	51-100200	51-101200	Taperloc Complete Full Profile Stem	20*
	51-100220	51-101220	Taperloc Complete Full Profile Stem	22*
51-100240	51-101240	Taperloc Complete Full Profile Stem	24*	
	51-103090	51-104090	Taperloc Complete Reduced Distal Stem	9
	51-103100	51-104100	Taperloc Complete Reduced Distal Stem	10
	51-103110	51-104110	Taperloc Complete Reduced Distal Stem	11
	51-103120	51-104120	Taperloc Complete Reduced Distal Stem	12
	51-103130	51-104130	Taperloc Complete Reduced Distal Stem	13
	51-103140	51-104140	Taperloc Complete Reduced Distal Stem	14
	51-103150	51-104150	Taperloc Complete Reduced Distal Stem	15
	51-103160	51-104160	Taperloc Complete Reduced Distal Stem	16
	51-103170	51-104170	Taperloc Complete Reduced Distal Stem	17
	51-103180	51-104180	Taperloc Complete Reduced Distal Stem	18
	51-103200	51-104200	Taperloc Complete Reduced Distal Stem	20*
	51-103220	51-104220	Taperloc Complete Reduced Distal Stem	22*
	51-103240	51-104240	Taperloc Complete Reduced Distal Stem	24*



* Macro sizes not included in the standard implant range. Made to order.

Product	Standard Offset Part Number	High Offset Part Number	Description	Size
	51-108040		Taperloc Complete Microplasty Stem	4
	51-108050	51-109050	Taperloc Complete Microplasty Stem	5
	51-108060	51-109060	Taperloc Complete Microplasty Stem	6
	51-108070	51-109070	Taperloc Complete Microplasty Stem	7
	51-108080	51-109080	Taperloc Complete Microplasty Stem	8
	51-106090	51-107090	Taperloc Complete Microplasty Stem	9
	51-106100	51-107100	Taperloc Complete Microplasty Stem	10
	51-106110	51-107110	Taperloc Complete Microplasty Stem	11
	51-106120	51-107120	Taperloc Complete Microplasty Stem	12
	51-106130	51-107130	Taperloc Complete Microplasty Stem	13
	51-106140	51-107140	Taperloc Complete Microplasty Stem	14
	51-106150	51-107150	Taperloc Complete Microplasty Stem	15
	51-106160	51-107160	Taperloc Complete Microplasty Stem	16
	51-106170	51-107170	Taperloc Complete Microplasty Stem	17
	51-106180	51-107180	Taperloc Complete Microplasty Stem	18
	51-106200	51-107200	Taperloc Complete Microplasty Stem	20*
	51-106220	51-107220	Taperloc Complete Microplasty Stem	22*
	51-106240	51-107240	Taperloc Complete Microplasty Stem	24*



* Macro sizes not included in the standard implant range. Made to order.

Taperloc Complete Hip System

Implants: Type 1 Taper – PPS Coating (continued)

Product	123° Neck Angle Part Number	Description	Size	
	51-102040	Taperloc Complete XR 123° Full Profile Stem	4	
	51-102050	Taperloc Complete XR 123° Full Profile Stem	5	
	51-102060	Taperloc Complete XR 123° Full Profile Stem	6	
	51-102070	Taperloc Complete XR 123° Full Profile Stem	7	
	51-102080	Taperloc Complete XR 123° Full Profile Stem	8	
	51-105090	Taperloc Complete XR 123° Reduced Distal Stem	9	
	51-105100	Taperloc Complete XR 123° Reduced Distal Stem	10	
	51-105110	Taperloc Complete XR 123° Reduced Distal Stem	11	
	51-105120	Taperloc Complete XR 123° Reduced Distal Stem	12	
	51-105130	Taperloc Complete XR 123° Reduced Distal Stem	13	
	51-105140	Taperloc Complete XR 123° Reduced Distal Stem	14	
	51-105150	Taperloc Complete XR 123° Reduced Distal Stem	15	
	51-105160	Taperloc Complete XR 123° Reduced Distal Stem	16	
	51-105170	Taperloc Complete XR 123° Reduced Distal Stem	17	
	51-105180	Taperloc Complete XR 123° Reduced Distal Stem	18	
		51-149040	Taperloc Complete Microplasty XR 123° Stem	4
		51-149050	Taperloc Complete Microplasty XR 123° Stem	5
		51-149060	Taperloc Complete Microplasty XR 123° Stem	6
51-149070		Taperloc Complete Microplasty XR 123° Stem	7	
51-149080		Taperloc Complete Microplasty XR 123° Stem	8	
51-145090		Taperloc Complete Microplasty XR 123° Stem	9	
51-145100		Taperloc Complete Microplasty XR 123° Stem	10	
51-145110		Taperloc Complete Microplasty XR 123° Stem	11	
51-145120		Taperloc Complete Microplasty XR 123° Stem	12	
51-145130		Taperloc Complete Microplasty XR 123° Stem	13	
51-145140		Taperloc Complete Microplasty XR 123° Stem	14	
51-145150		Taperloc Complete Microplasty XR 123° Stem	15	
51-145160		Taperloc Complete Microplasty XR 123° Stem	16	
51-145170		Taperloc Complete Microplasty XR 123° Stem	17	
51-145180		Taperloc Complete Microplasty XR 123° Stem	18	


Implants: Type 1 – BoneMaster

Product	Standard Offset Part Number	High Offset Part Number	Description	Size
	51-110040		Taperloc Complete Full Profile Stem	4
	51-110050	51-111050	Taperloc Complete Full Profile Stem	5
	51-110060	51-111060	Taperloc Complete Full Profile Stem	6
	51-110070	51-111070	Taperloc Complete Full Profile Stem	7
	51-110080	51-111080	Taperloc Complete Full Profile Stem	8
	51-110090	51-111090	Taperloc Complete Full Profile Stem	9
	51-110100	51-111100	Taperloc Complete Full Profile Stem	10
	51-110110	51-111110	Taperloc Complete Full Profile Stem	11
	51-110120	51-111120	Taperloc Complete Full Profile Stem	12
	51-110130	51-111130	Taperloc Complete Full Profile Stem	13
	51-110140	51-111140	Taperloc Complete Full Profile Stem	14
	51-110150	51-111150	Taperloc Complete Full Profile Stem	15
	51-110160	51-111160	Taperloc Complete Full Profile Stem	16
	51-110170	51-111170	Taperloc Complete Full Profile Stem	17
	51-110180	51-111180	Taperloc Complete Full Profile Stem	18
	51-110200	51-111200	Taperloc Complete Full Profile Stem	20*
51-110220	51-111220	Taperloc Complete Full Profile Stem	22*	
51-110240	51-111240	Taperloc Complete Full Profile Stem	24*	
	51-113090	51-114090	Taperloc Complete Reduced Distal Stem	9
	51-113100	51-114100	Taperloc Complete Reduced Distal Stem	10
	51-113110	51-114110	Taperloc Complete Reduced Distal Stem	11
	51-113120	51-114120	Taperloc Complete Reduced Distal Stem	12
	51-113130	51-114130	Taperloc Complete Reduced Distal Stem	13
	51-113140	51-114140	Taperloc Complete Reduced Distal Stem	14
	51-113150	51-114150	Taperloc Complete Reduced Distal Stem	15
	51-113160	51-114160	Taperloc Complete Reduced Distal Stem	16
	51-113170	51-114170	Taperloc Complete Reduced Distal Stem	17
	51-113180	51-114180	Taperloc Complete Reduced Distal Stem	18
	51-113200	51-114200	Taperloc Complete Reduced Distal Stem	20*
	51-113220	51-114220	Taperloc Complete Reduced Distal Stem	22*
	51-113240	51-114240	Taperloc Complete Reduced Distal Stem	24*

* Macro sizes not included in the standard implant range. Made to order.


Taperloc Complete Hip System

Implants: Type 1 – BoneMaster (continued)



Product	Standard Offset Part Number	High Offset Part Number	Description	Size
	51-118040		Taperloc Complete Microplasty Stem	4
	51-118050	51-119050	Taperloc Complete Microplasty Stem	5
	51-118060	51-119060	Taperloc Complete Microplasty Stem	6
	51-118070	51-119070	Taperloc Complete Microplasty Stem	7
	51-118080	51-119080	Taperloc Complete Microplasty Stem	8
	51-116090	51-117090	Taperloc Complete Microplasty Stem	9
	51-116100	51-117100	Taperloc Complete Microplasty Stem	10
	51-116110	51-117110	Taperloc Complete Microplasty Stem	11
	51-116120	51-117120	Taperloc Complete Microplasty Stem	12
	51-116130	51-117130	Taperloc Complete Microplasty Stem	13
	51-116140	51-117140	Taperloc Complete Microplasty Stem	14
	51-116150	51-117150	Taperloc Complete Microplasty Stem	15
	51-116160	51-117160	Taperloc Complete Microplasty Stem	16
	51-116170	51-117170	Taperloc Complete Microplasty Stem	17
	51-116180	51-117180	Taperloc Complete Microplasty Stem	18
	51-116200	51-117200	Taperloc Complete Microplasty Stem	20*
	51-116220	51-117220	Taperloc Complete Microplasty Stem	22*
51-116240	51-117240	Taperloc Complete Microplasty Stem	24*	

*May not be available in all regions. Sizes included are available in a macro set. Separate ordering is required.

Implants: 12/14 – PPS Coating

Product	Standard Offset Part Number	High Offset Part Number	Description	Size
	51-120040		Taperloc Complete Full Profile Stem	4
	51-120050	51-121050	Taperloc Complete Full Profile Stem	5
	51-120060	51-121060	Taperloc Complete Full Profile Stem	6
	51-120070	51-121070	Taperloc Complete Full Profile Stem	7
	51-120080	51-121080	Taperloc Complete Full Profile Stem	8
	51-120090	51-121090	Taperloc Complete Full Profile Stem	9
	51-120100	51-121100	Taperloc Complete Full Profile Stem	10
	51-120110	51-121110	Taperloc Complete Full Profile Stem	11
	51-120120	51-121120	Taperloc Complete Full Profile Stem	12
	51-120130	51-121130	Taperloc Complete Full Profile Stem	13
	51-120140	51-121140	Taperloc Complete Full Profile Stem	14
	51-120150	51-121150	Taperloc Complete Full Profile Stem	15
	51-120160	51-121160	Taperloc Complete Full Profile Stem	16
	51-120170	51-121170	Taperloc Complete Full Profile Stem	17
	51-120180	51-121180	Taperloc Complete Full Profile Stem	18

Implants: 12/14 – BoneMaster

Product	Standard Offset Part Number	High Offset Part Number	Description	Size
	51-130040		Taperloc Complete Full Profile Stem	4
	51-130050	51-131050	Taperloc Complete Full Profile Stem	5
	51-130060	51-131060	Taperloc Complete Full Profile Stem	6
	51-130070	51-131070	Taperloc Complete Full Profile Stem	7
	51-130080	51-131080	Taperloc Complete Full Profile Stem	8
	51-130090	51-131090	Taperloc Complete Full Profile Stem	9
	51-130100	51-131100	Taperloc Complete Full Profile Stem	10
	51-130110	51-131110	Taperloc Complete Full Profile Stem	11
	51-130120	51-131120	Taperloc Complete Full Profile Stem	12
	51-130130	51-131130	Taperloc Complete Full Profile Stem	13
	51-130140	51-131140	Taperloc Complete Full Profile Stem	14
	51-130150	51-131150	Taperloc Complete Full Profile Stem	15
	51-130160	51-131160	Taperloc Complete Full Profile Stem	16
	51-130170	51-131170	Taperloc Complete Full Profile Stem	17
	51-130180	51-131180	Taperloc Complete Full Profile Stem	18
	51-138040		Taperloc Complete Microplasty Stem	4
	51-138050	51-139050	Taperloc Complete Microplasty Stem	5
	51-138060	51-139060	Taperloc Complete Microplasty Stem	6
	51-138070	51-139070	Taperloc Complete Microplasty Stem	7
	51-138080	51-139080	Taperloc Complete Microplasty Stem	8
	51-136090	51-137090	Taperloc Complete Microplasty Stem	9
	51-136100	51-137100	Taperloc Complete Microplasty Stem	10
	51-136110	51-137110	Taperloc Complete Microplasty Stem	11
	51-136120	51-137120	Taperloc Complete Microplasty Stem	12
	51-136130	51-137130	Taperloc Complete Microplasty Stem	13
	51-136140	51-137140	Taperloc Complete Microplasty Stem	14
	51-136150	51-137150	Taperloc Complete Microplasty Stem	15
	51-136160	51-137160	Taperloc Complete Microplasty Stem	16
	51-136170	51-137170	Taperloc Complete Microplasty Stem	17
	51-136180	51-137180	Taperloc Complete Microplasty Stem	18

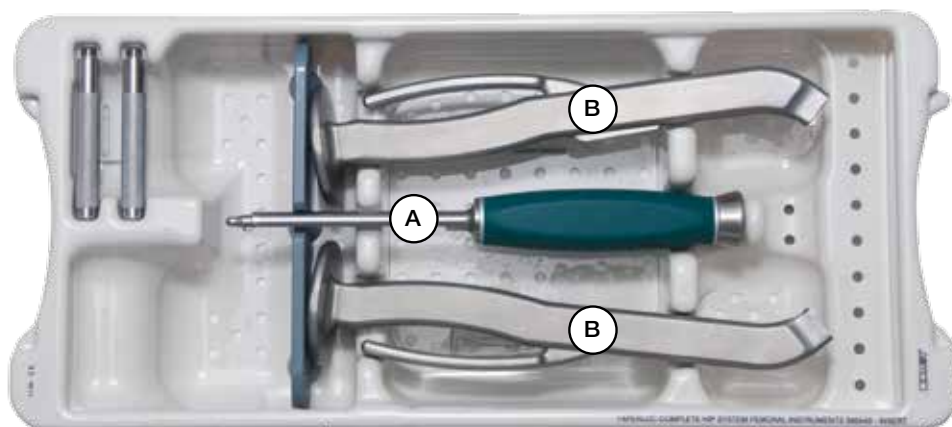
Taperloc Complete Hip System





Empty Taperloc Complete Instrument Cases

Part Number	Description
595540	Taperloc Complete Full Length Instrument Case
31-601565	Taperloc Complete General Instrument Case
595541	Taperloc Complete Macro Case (for 20, 22, 24mm broaches)*




*Optional case. not included in the standard instrument set. Made to order

595540 Empty Taperloc Complete Hip Instrument Case



Product	Label	Part Number	Description	Size
	A	51-222222	Taperloc Complete Straight Stem Inserter	–
		51-222223	Taperloc Complete Angled Stem Inserter*	–
		51-222224	Taperloc Complete Offset Stem Inserter*	–
		51-222225	Taperloc Complete Threaded Stem Inserter*	–

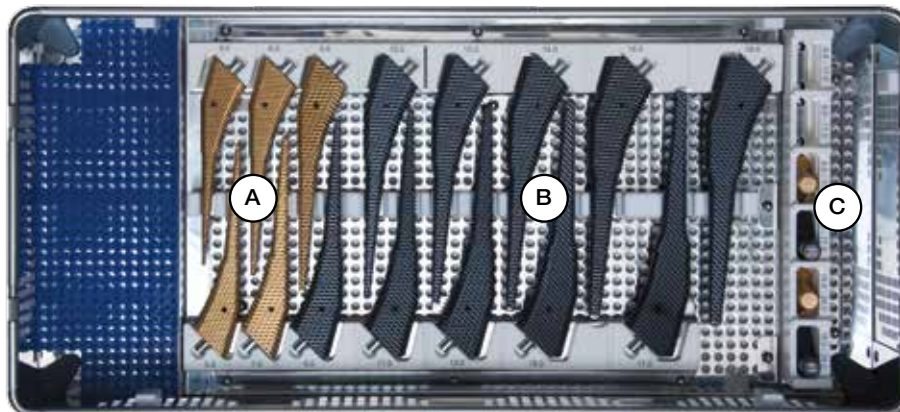
* Optional instruments not included in the standard instrument set. Made to order.

Product	Label	Part Number	Description	Size
	B	31-555500	Exact Straight Broach Handle	–
		31-555501	Exact Offset Broach Handle*	–
		31-555408	Straight Clamping Broach Handle*	–

* Optional instruments not included in the standard instrument set. Made to order.

Taperloc Complete Hip System






595540 Empty Taperloc Complete Hip Instrument Case



Product	Label	Part Number	Description	Size
	A	51-201040	Taperloc Complete Full Profile Broach	4
		51-201050	Taperloc Complete Full Profile Broach	5
		51-201060	Taperloc Complete Full Profile Broach	6
		51-201070	Taperloc Complete Full Profile Broach	7
		51-201080	Taperloc Complete Full Profile Broach	8
		51-201090	Taperloc Complete Full Profile Broach	9
		51-201100	Taperloc Complete Full Profile Broach	10
		51-201110	Taperloc Complete Full Profile Broach	11
		51-201120	Taperloc Complete Full Profile Broach	12
		51-201130	Taperloc Complete Full Profile Broach	13
		51-201140	Taperloc Complete Full Profile Broach	14
		51-201150	Taperloc Complete Full Profile Broach	15
		51-201160	Taperloc Complete Full Profile Broach	16
		51-201170	Taperloc Complete Full Profile Broach	17
		51-201180	Taperloc Complete Full Profile Broach	18
		51-201200	Taperloc Complete Full Profile Broach	20*
51-201220	Taperloc Complete Full Profile Broach	22*		
51-201240	Taperloc Complete Full Profile Broach	24*		
	B	51-203090	Taperloc Complete Reduced Distal Broach	9
		51-203100	Taperloc Complete Reduced Distal Broach	10
		51-203110	Taperloc Complete Reduced Distal Broach	11
		51-203120	Taperloc Complete Reduced Distal Broach	12
		51-203130	Taperloc Complete Reduced Distal Broach	13
		51-203140	Taperloc Complete Reduced Distal Broach	14
		51-203150	Taperloc Complete Reduced Distal Broach	15
		51-203160	Taperloc Complete Reduced Distal Broach	16
		51-203170	Taperloc Complete Reduced Distal Broach	17
		51-203180	Taperloc Complete Reduced Distal Broach	18
		51-203200	Taperloc Complete Reduced Distal Broach	20*
		51-203220	Taperloc Complete Reduced Distal Broach	22*
		51-203240	Taperloc Complete Reduced Distal Broach	24*

* Optional instruments. Not included in the standard instrument set. Made to order.





Type 1 Neck Trials



Product	Label	Part Number	Description	Size
	C	51-200000	Taperloc Complete Standard Offset Trunnion	4–17 mm
		51-200001	Taperloc Complete Standard Offset Trunnion	18–24 mm
		51-201000	Taperloc Complete High Offset Trunnion	5–17 mm
		51-201001	Taperloc Complete High Offset Trunnion	18–24 mm
		51-202000	Taperloc Complete 123° Neck Angle Trunnion	4–18 mm

* Optional instruments. Not included in the standard instrument set. Made to order.

Taperloc Complete Hip System










12/14 Neck Trials

Product	Label	Part Number	Description	Size
	C	51-220000	Taperloc Complete Standard Offset Trunnion	4–17 mm
		51-220001	Taperloc Complete Standard Offset Trunnion	18–24 mm
		51-221000	Taperloc Complete High Offset Trunnion	5–17 mm
		51-221001	Taperloc Complete High Offset Trunnion	18–24 mm

Product	Label	Part Number	Description	Size
	A	51-208040	Taperloc Complete Microplasty Standard Broach	4
		51-208050	Taperloc Complete Microplasty Standard Broach	5
		51-208060	Taperloc Complete Microplasty Standard Broach	6
		51-208070	Taperloc Complete Microplasty Standard Broach	7
		51-208080	Taperloc Complete Microplasty Standard Broach	8
	B	51-206090	Taperloc Complete Microplasty Reduced Distal Broach	9
		51-206100	Taperloc Complete Microplasty Reduced Distal Broach	10
		51-206110	Taperloc Complete Microplasty Reduced Distal Broach	11
		51-206120	Taperloc Complete Microplasty Reduced Distal Broach	12
		51-206130	Taperloc Complete Microplasty Reduced Distal Broach	13
		51-206140	Taperloc Complete Microplasty Reduced Distal Broach	14
		51-206150	Taperloc Complete Microplasty Reduced Distal Broach	15
		51-206160	Taperloc Complete Microplasty Reduced Distal Broach	16
		51-206170	Taperloc Complete Microplasty Reduced Distal Broach	17
		51-206180	Taperloc Complete Microplasty Reduced Distal Broach	18
		51-206200	Taperloc Complete Microplasty Reduced Distal Broach	20*
		51-206220	Taperloc Complete Microplasty Reduced Distal Broach	22*
		51-206240	Taperloc Complete Microplasty Reduced Distal Broach	24*

* Optional instruments. Not included in the standard instrument set. Made to order.

31-601565 Empty Taperloc Complete General Instrument Case

Product	Part Number	Description	Size
	31-600128	Pilot Tipped Twist Drill	—
	31-399999	Ergonomic head driver	—
	31-473794	Exact Modular Calcar Planer	42 mm
	31-473620	Reamer T-Handle	—
	51-222221	Initial Starter Rasp	—
	31-555605	Corkscrew Femoral Head Remover	—
	31-555588	Hollow Chisel Attachment for Broach Handle	—
	31-600072	Neck Osteotomy Guide	—
	428195	Starter Reamer	—

Taperloc Complete Hip System

Offsets and Neck Lengths

Taperloc Complete Hip Stem Standard Offset

Size	Taperloc® Complete Stem Length (mm)	Taperloc® Complete Microplasty® Stem Length (mm)	Neck Angle	Horizontal Offset (mm)								Vertical Offset (mm)								Neck Length (mm)					
				-6	-3	STD	+3	+6	+9	+12	-6	-3	STD	+3	+6	+9	+12	-6	-3	STD	+3	+6	+9	+12	
4	128	93	133°	31.2	33.4	35.6	37.8	40.0	42.2	44.4	28.8	30.8	32.9	34.9	37.0	39.0	41.1	28.3	31.3	34.3	37.3	40.3	43.3	46.3	
5	130	95	133°	31.7	33.9	36.1	38.3	40.5	42.7	44.9	28.8	30.8	32.9	34.9	37.0	39.0	41.1	28.3	31.3	34.3	37.3	40.3	43.3	46.3	
6	132	97.5	133°	32.2	34.4	36.6	38.8	41.0	43.2	45.4	28.8	30.8	32.9	34.9	37.0	39.0	41.1	28.3	31.3	34.3	37.3	40.3	43.3	46.3	
7	134	99	133°	32.7	34.9	37.1	39.3	41.5	43.7	45.9	28.8	30.8	32.9	34.9	37.0	39.0	41.1	28.3	31.3	34.3	37.3	40.3	43.3	46.3	
8	136	101	133°	33.2	35.4	37.6	39.8	42.0	44.2	46.4	28.8	30.8	32.9	34.9	37.0	39.0	41.1	28.3	31.3	34.3	37.3	40.3	43.3	46.3	
9	137	102.5	133°	33.7	35.9	38.1	40.3	42.5	44.7	46.8	28.8	30.8	32.9	34.9	37.0	39.0	41.1	28.3	31.3	34.3	37.3	40.3	43.3	46.3	
10	140	105	133°	34.2	36.4	38.6	40.8	43.0	45.2	47.4	28.8	30.8	32.9	34.9	37.0	39.0	41.1	28.3	31.3	34.3	37.3	40.3	43.3	46.3	
11	142	107.5	133°	34.7	36.9	39.1	41.3	43.5	45.7	47.9	28.8	30.8	32.9	34.9	37.0	39.0	41.1	28.3	31.3	34.3	37.3	40.3	43.3	46.3	
12	144	109	133°	35.2	37.4	39.6	41.8	44.0	46.2	48.3	28.8	30.8	32.9	34.9	37.0	39.0	41.1	28.3	31.3	34.3	37.3	40.3	43.3	46.3	
13	146	111	133°	35.7	37.9	40.1	42.3	44.5	46.7	48.9	28.8	30.8	32.9	34.9	37.0	39.0	41.1	28.3	31.3	34.3	37.3	40.3	43.3	46.3	
14	148	113	133°	36.2	38.4	40.6	42.8	45.0	47.2	49.4	28.8	30.8	32.9	34.9	37.0	39.0	41.1	28.3	31.3	34.3	37.3	40.3	43.3	46.3	
15	150	115	133°	36.7	38.9	41.1	43.3	45.5	47.7	49.9	28.8	30.8	32.9	34.9	37.0	39.0	41.1	28.3	31.3	34.3	37.3	40.3	43.3	46.3	
16	152	117	133°	37.2	39.4	41.6	43.8	46.0	48.2	50.4	28.8	30.8	32.9	34.9	37.0	39.0	41.1	28.3	31.3	34.3	37.3	40.3	43.3	46.3	
17	154	119	133°	37.7	39.9	42.1	44.3	46.5	48.7	50.9	28.8	30.8	32.9	34.9	37.0	39.0	41.1	28.3	31.3	34.3	37.3	40.3	43.3	46.3	
18	156	121	133°	40.4	42.6	44.8	47.0	49.2	51.4	53.6	30.8	32.9	34.9	37.0	39.0	41.1	43.1	31.3	34.3	37.3	40.3	43.3	46.3	49.3	
20	160	125	133°	41.4	43.6	45.8	48.0	50.2	52.4	54.5	30.8	32.9	34.9	37.0	39.0	41.1	43.1	31.3	34.3	37.3	40.3	43.3	46.3	49.3	
22	164	129	133°	42.4	44.6	46.8	49.0	51.1	53.3	55.5	30.8	32.9	34.9	37.0	39.0	41.1	43.1	31.3	34.3	37.3	40.3	43.3	46.3	49.3	
24	167	132	133°	43.4	45.6	47.8	50.0	52.2	54.4	56.6	30.8	32.9	34.9	37.0	39.0	41.1	43.1	31.3	34.3	37.3	40.3	43.3	46.3	49.3	

Taperloc Complete Hip Stem High Offset

Size	Taperloc® Complete Stem Length (mm)	Taperloc® Complete Microplasty® Stem Length (mm)	Neck Angle	Horizontal Offset (mm)								Vertical Offset (mm)								Neck Length (mm)					
				-6	-3	STD	+3	+6	+9	+12	-6	-3	STD	+3	+6	+9	+12	-6	-3	STD	+3	+6	+9	+12	
5	130	95	133°	39.5	41.7	43.9	46.1	48.3	50.5	52.7	28.8	30.8	32.9	34.9	37.0	39.0	41.1	33.6	36.6	39.6	42.6	45.6	48.6	51.6	
6	132	97.5	133°	40.0	42.2	44.4	46.6	48.8	51.0	53.2	28.8	30.8	32.9	34.9	37.0	39.0	41.1	33.6	36.6	39.6	42.6	45.6	48.6	51.6	
7	134	99	133°	40.5	42.7	44.9	47.1	49.3	51.5	53.7	28.8	30.8	32.9	34.9	37.0	39.0	41.1	33.6	36.6	39.6	42.6	45.6	48.6	51.6	
8	136	101	133°	41.0	43.2	45.4	47.6	49.8	52.0	54.2	28.8	30.8	32.9	34.9	37.0	39.0	41.1	33.6	36.6	39.6	42.6	45.6	48.6	51.6	
9	137	102.5	133°	41.5	43.7	45.9	48.1	50.3	52.5	54.7	28.8	30.8	32.9	34.9	37.0	39.0	41.1	33.6	36.6	39.6	42.6	45.6	48.6	51.6	
10	140	105	133°	42.0	44.2	46.4	48.6	50.8	53.0	55.2	28.8	30.8	32.9	34.9	37.0	39.0	41.1	33.6	36.6	39.6	42.6	45.6	48.6	51.6	
11	142	107.5	133°	42.5	44.7	46.9	49.1	51.3	53.5	55.7	28.8	30.8	32.9	34.9	37.0	39.0	41.1	33.6	36.6	39.6	42.6	45.6	48.6	51.6	
12	144	109	133°	43.0	45.2	47.4	49.6	51.8	54.0	56.2	28.8	30.8	32.9	34.9	37.0	39.0	41.1	33.6	36.6	39.6	42.6	45.6	48.6	51.6	
13	146	111	133°	43.5	45.7	47.9	50.1	52.3	54.5	56.7	28.8	30.8	32.9	34.9	37.0	39.0	41.1	33.6	36.6	39.6	42.6	45.6	48.6	51.6	
14	148	113	133°	44.0	46.2	48.4	50.6	52.8	55.0	57.2	28.8	30.8	32.9	34.9	37.0	39.0	41.1	33.6	36.6	39.6	42.6	45.6	48.6	51.6	
15	150	115	133°	44.5	46.7	48.9	51.1	53.3	55.5	57.7	28.8	30.8	32.9	34.9	37.0	39.0	41.1	33.6	36.6	39.6	42.6	45.6	48.6	51.6	
16	152	117	133°	45.0	47.2	49.4	51.6	53.8	56.0	58.2	28.8	30.8	32.9	34.9	37.0	39.0	41.1	33.6	36.6	39.6	42.6	45.6	48.6	51.6	
17	154	119	133°	45.5	47.7	49.9	52.1	54.3	56.5	58.7	28.8	30.8	32.9	34.9	37.0	39.0	41.1	33.6	36.6	39.6	42.6	45.6	48.6	51.6	
18	156	121	133°	48.2	50.4	52.6	54.8	57.0	59.2	61.4	30.8	32.9	34.9	37.0	39.0	41.1	43.1	36.6	39.6	42.6	45.6	48.6	51.6	54.6	
20	160	125	133°	49.2	51.4	53.6	55.8	58.0	60.2	62.4	30.8	32.9	34.9	37.0	39.0	41.1	43.1	36.6	39.6	42.6	45.6	48.6	51.6	54.6	
22	164	129	133°	50.2	52.4	54.6	56.8	59.0	61.2	63.4	30.8	32.9	34.9	37.0	39.0	41.1	43.1	36.6	39.6	42.6	45.6	48.6	51.6	54.6	
24	167	132	133°	51.2	53.4	55.6	57.8	60.0	62.2	64.4	30.8	32.9	34.9	37.0	39.0	41.1	43.1	36.6	39.6	42.6	45.6	48.6	51.6	54.6	

Taperloc Complete XR 123° Stem Neck Angle

Size	Neck Angle	Neck Length (mm)	Horizontal Offset (mm)							Vertical Offset (mm)							Neck Length (mm)						
			-6	-3	STD	+3	+6	+9	+12	-6	-3	STD	+3	+6	+9	+12	-6	-3	STD	+3	+6	+9	+12
4	123°	32.3	32.8	35.3	37.8	40.3	42.8	45.3	47.9	23.6	25.3	26.9	28.5	30.2	31.8	33.4	26.3	29.3	32.3	35.3	38.3	41.3	44.3
5	123°	32.3	33.3	35.8	38.3	40.8	43.3	45.8	48.4	23.6	25.3	26.9	28.5	30.2	31.8	33.4	26.3	29.3	32.3	35.3	38.3	41.3	44.3
6	123°	32.3	33.8	36.3	38.8	41.3	43.8	46.3	48.9	23.6	25.3	26.9	28.5	30.2	31.8	33.4	26.3	29.3	32.3	35.3	38.3	41.3	44.3
7	123°	32.3	34.3	36.8	39.3	41.8	44.3	46.8	49.4	23.6	25.3	26.9	28.5	30.2	31.8	33.4	26.3	29.3	32.3	35.3	38.3	41.3	44.3
8	123°	32.3	34.8	37.3	39.8	42.3	44.8	47.3	49.9	23.6	25.3	26.9	28.5	30.2	31.8	33.4	26.3	29.3	32.3	35.3	38.3	41.3	44.3
9	123°	32.3	35.3	37.8	40.3	42.8	45.3	47.8	50.4	23.6	25.3	26.9	28.5	30.2	31.8	33.4	26.3	29.3	32.3	35.3	38.3	41.3	44.3
10	123°	32.3	35.8	38.3	40.8	43.3	45.8	48.3	50.9	23.6	25.3	26.9	28.5	30.2	31.8	33.4	26.3	29.3	32.3	35.3	38.3	41.3	44.3
11	123°	32.3	36.3	38.8	41.3	43.8	46.3	48.8	51.4	23.6	25.3	26.9	28.5	30.2	31.8	33.4	26.3	29.3	32.3	35.3	38.3	41.3	44.3
12	123°	32.3	36.8	39.3	41.8	44.3	46.8	49.3	51.9	23.6	25.3	26.9	28.5	30.2	31.8	33.4	26.3	29.3	32.3	35.3	38.3	41.3	44.3
13	123°	32.3	37.3	39.8	42.3	44.8	47.3	49.8	52.4	23.6	25.3	26.9	28.5	30.2	31.8	33.4	26.3	29.3	32.3	35.3	38.3	41.3	44.3
14	123°	32.3	37.8	40.3	42.8	45.3	47.8	50.3	52.9	23.6	25.3	26.9	28.5	30.2	31.8	33.4	26.3	29.3	32.3	35.3	38.3	41.3	44.3
15	123°	32.3	38.3	40.8	43.3	45.8	48.3	50.8	53.4	23.6	25.3	26.9	28.5	30.2	31.8	33.4	26.3	29.3	32.3	35.3	38.3	41.3	44.3
16	123°	32.3	38.8	41.3	43.8	46.3	48.8	51.3	53.9	23.6	25.3	26.9	28.5	30.2	31.8	33.4	26.3	29.3	32.3	35.3	38.3	41.3	44.3
17	123°	32.3	39.3	41.8	44.3	46.8	49.3	51.8	54.4	23.6	25.3	26.9	28.5	30.2	31.8	33.4	26.3	29.3	32.3	35.3	38.3	41.3	44.3
18	123°	32.3	39.8	42.3	44.8	47.3	49.8	52.3	54.9	23.6	25.3	26.9	28.5	30.2	31.8	33.4	26.3	29.3	32.3	35.3	38.3	41.3	44.3

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