

This publication has been issued by:

European Central Marketing
Waterton Industrial Estate
Bridgend, South Wales
CF31 3XA, United Kingdom

Tel: +44 (0)1656 655221
Fax: +44 (0)1656 645454

www.biomet.com



One Surgeon. One Patient.



Taperloc Complete Hip Stem

Surgical Technique



Disclaimer

This publication and all content, artwork, photographs, names, logos and marks contained in it are protected by copyright, trademarks and other intellectual property rights owned by or licensed to Biomet or its affiliates. This brochure must not be used, copied or reproduced in whole or in part for any purposes other than marketing by Biomet or its authorised representatives. Use for other purposes is prohibited.

Biomet does not practice medicine and does not recommend any particular orthopaedic implant or surgical technique for use on a specific patient and is not responsible for selection of the appropriate orthopaedic implant or surgical technique. The surgeon who performs any implant procedure is responsible for determining and utilising the appropriate techniques for implanting prosthesis in each individual patient.

Taperloc Complete Hip System

Contents

Surgical Technique	Page
Patient Positioning and Surgical Approach	2
Accessing the Femoral Canal	3
Femoral Canal Preparation	3
Trial Reduction	4
Stem Insertion	5
Final Reduction	5
 Ordering Information	
Implants	6
Instruments	7
Acetabular Options	13

Taperloc Complete Hip Stem



Figure 1

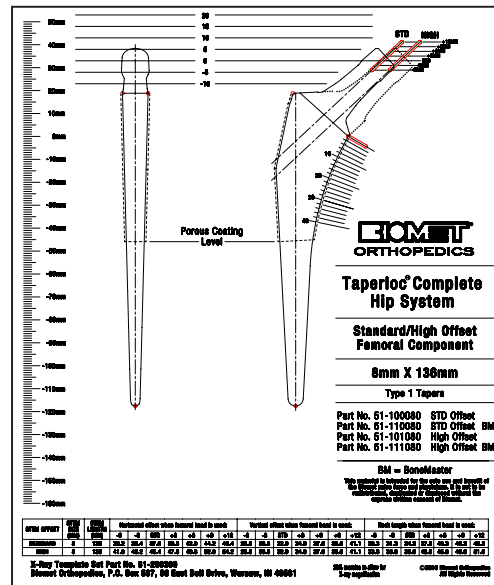


Figure 2

Patient Positioning and Surgical Approach

The goal of the surgical approach is to establish adequate visualisation of the anatomy to evaluate stability and leg length. A number of surgical approaches to the hip can be utilised based on the degree of surgical experience and preference (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.



Figure 3

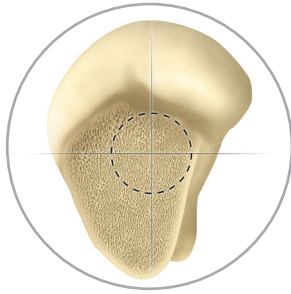


Figure 4



Figure 5



Figure 6

Accessing the Femoral Canal

The straight box or offset chisel is used 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 visualisation to allow enough lateralisation of the femoral canal to avoid varus positioning of the component (Figure 3).

The femoral canal may be opened with either the box chisel, the twist drill or the starter reamer so any of these three items 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 3,4,5).

Femoral Canal Preparation

When preparing the proximal femur, 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 6). 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 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: 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 Stem



Figure 7



Figure 8

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 7).

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 8).



Figure 9

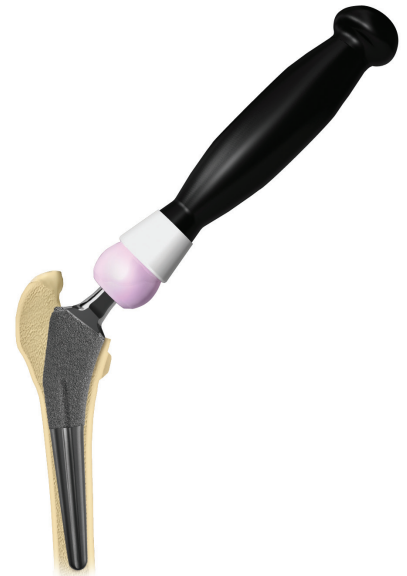


Figure 10

Stem Insertion

Once the trial reduction is considered stable, remove the broach from the femoral canal and attach the implant to the femoral inserter (Figure 9). 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.


Final Reduction


If desired, another trial reduction may be accomplished prior to selecting the final head size and impacting the modular head onto the femoral implant. Provisional heads in several 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.

Taperloc Complete Hip Stem

Implants


Taperloc Complete Type 1 PPS Coated Hip Implant


Product	Standard Offset Part Number	High Offset Part Number	Description	Size
	51-100050	51-101050	Taperloc Complete Standard Stem	5
	51-100060	51-101060	Taperloc Complete Standard Stem	6
	51-100070	51-101070	Taperloc Complete Standard Stem	7
	51-100080	51-101080	Taperloc Complete Standard Stem	8
	51-100090	51-101090	Taperloc Complete Standard Stem	9
	51-100100	51-101100	Taperloc Complete Standard Stem	10
	51-100110	51-101110	Taperloc Complete Standard Stem	11
	51-100120	51-101120	Taperloc Complete Standard Stem	12
	51-100130	51-101130	Taperloc Complete Standard Stem	13
	51-100140	51-101140	Taperloc Complete Standard Stem	14
	51-100150	51-101150	Taperloc Complete Standard Stem	15
	51-100160	51-101160	Taperloc Complete Standard Stem	16
	51-100170	51-101170	Taperloc Complete Standard Stem	17

Product	Standard Offset Part Number	High Offset Part Number	Description	Size
	51-100180	51-101180	Taperloc Complete Standard Stem	18
	51-100200	51-101200	Taperloc Complete Standard Stem	20
	51-100220	51-101220	Taperloc Complete Standard Stem	22
	51-100240	51-101240	Taperloc Complete Standard Stem	24

Implants

Taperloc Complete Type 1 BoneMaster Coated Hip Implant


Product	Standard Offset Part Number	High Offset Part Number	Description	Size
	51-110050	51-111050	Taperloc Complete Standard Stem	5
	51-110060	51-111060	Taperloc Complete Standard Stem	6
	51-110070	51-111070	Taperloc Complete Standard Stem	7
	51-110080	51-111080	Taperloc Complete Standard Stem	8
	51-110090	51-111090	Taperloc Complete Standard Stem	9
	51-110100	51-111100	Taperloc Complete Standard Stem	10
	51-110110	51-111110	Taperloc Complete Standard Stem	11
	51-110120	51-111120	Taperloc Complete Standard Stem	12
	51-110130	51-111130	Taperloc Complete Standard Stem	13
	51-110140	51-111140	Taperloc Complete Standard Stem	14
	51-110150	51-111150	Taperloc Complete Standard Stem	15
	51-110160	51-111160	Taperloc Complete Standard Stem	16
	51-110170	51-111170	Taperloc Complete Standard Stem	17


Product	Standard Offset Part Number	High Offset Part Number	Description	Size
	51-110180	51-111180	Taperloc Complete Standard Stem	18
	51-110200	51-111200	Taperloc Complete Standard Stem	20
	51-110220	51-111220	Taperloc Complete Standard Stem	22
	51-110240	51-111240	Taperloc Complete Standard Stem	24

Taperloc Complete Hip Stem

Implants


Taperloc Complete 12/14 PPS Coated Hip Implant


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

Product	Standard Offset Part Number	High Offset Part Number	Description	Size
	51-120180	51-121180	Taperloc Complete Standard Stem	18
	51-120200	51-121200	Taperloc Complete Standard Stem	20
	51-120220	51-121220	Taperloc Complete Standard Stem	22
	51-120240	51-121240	Taperloc Complete Standard Stem	24

Implants

Taperloc Complete 12/14 BoneMaster Coated Hip Implant











Product	Standard Offset Part Number	High Offset Part Number	Description	Size
	51-130050	51-131050	Taperloc Complete Standard Stem	5
	51-130060	51-131060	Taperloc Complete Standard Stem	6
	51-130070	51-131070	Taperloc Complete Standard Stem	7
	51-130080	51-131080	Taperloc Complete Standard Stem	8
	51-130090	51-131090	Taperloc Complete Standard Stem	9
	51-130100	51-131100	Taperloc Complete Standard Stem	10
	51-130110	51-131110	Taperloc Complete Standard Stem	11
	51-130120	51-131120	Taperloc Complete Standard Stem	12
	51-130130	51-131130	Taperloc Complete Standard Stem	13
	51-130140	51-131140	Taperloc Complete Standard Stem	14
	51-130150	51-131150	Taperloc Complete Standard Stem	15
	51-130160	51-131160	Taperloc Complete Standard Stem	16
	51-130170	51-131170	Taperloc Complete Standard Stem	17








Product	Standard Offset Part Number	High Offset Part Number	Description	Size
	51-130180	51-131180	Taperloc Complete Standard Stem	18
	51-130200	51-131200	Taperloc Complete Standard Stem	20
	51-130220	51-131220	Taperloc Complete Standard Stem	22
	51-130240	51-131240	Taperloc Complete Standard Stem	24

Taperloc Complete Hip Stem

Instruments

Taperloc Complete General Hip Instrument Tray

Product	Part Number	Description	Size
	51-222221	Initial Starter Rasp	–
	31-555605	Corkscrew Femoral Head Remover	–
	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	–
	31-600072	Neck Osteotomy Guide for I/M Reamer	
	31-600128	Twist Drill with Pilot Tip	
	31-555501	Exact Offset Broach Handle	–
	31-555407	Straight Clamping Broach Handle	–

Product	Part Number	Description	Size
	31-555500	Exact Broach Handle	—
	31-399999	Ergonomic head driver	—
	31-473794	Exact Modular Calcar Planer	42 mm
	31-473620	Reamer T-Handle	—
	48195	Starter Reamer	—
	31-555588	Hollow Chisel Attachment for Broach Handle	—
	31-600105	Straight Box Chisel	—

Taperloc Complete Hip Stem

Instruments

Taperloc Complete Rasp Hip Instrument Case

Product	Part Number	Description	Size
	51-201050	Taperloc Complete Standard Broach	5
	51-201060	Taperloc Complete Standard Broach	6
	51-201070	Taperloc Complete Standard Broach	7
	51-201080	Taperloc Complete Standard Broach	8
	51-201090	Taperloc Complete Standard Broach	9
	51-201100	Taperloc Complete Standard Broach	10
	51-201110	Taperloc Complete Standard Broach	11
	51-201120	Taperloc Complete Standard Broach	12
	51-201130	Taperloc Complete Standard Broach	13
	51-201140	Taperloc Complete Standard Broach	14
	51-201150	Taperloc Complete Standard Broach	15
	51-201160	Taperloc Complete Standard Broach	16
	51-201170	Taperloc Complete Standard Broach	17
		51-220000	Taperloc Complete 12/14 Standard Offset Trunnion
	51-220001	Taperloc Complete 12/14 Standard Offset Trunnion	18–24 mm
	51-221001	Taperloc Complete 12/14 High Offset Trunnion	18–24 mm
	51-221000	Taperloc Complete 12/14 High Offset Trunnion	4–17 mm
	51-200000	Taperloc Complete Type 1 Standard Offset Trunnion	4–17 mm
	51-200001	Taperloc Complete Type 1 Standard Offset Trunnion	18–24 mm
	51-201001	Taperloc Complete Type 1 High Offset Trunnion	18–24 mm
	51-201000	Taperloc Complete Type 1 High Offset Trunnion	4–17 mm

Taperloc Complete Hip Stem

Offsets and Neck Lengths

Taperloc Complete Type 1 Hip Stem Standard Offset

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
5	133°	34.3	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	133°	34.3	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	133°	34.3	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	133°	34.3	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	133°	34.3	33.7	35.9	38.1	40.3	42.5	44.7	46.9	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
10	133°	34.3	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	133°	34.3	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	133°	34.3	35.2	37.4	39.6	41.8	44.0	46.2	48.4	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
13	133°	34.3	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	133°	34.3	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	133°	34.3	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	133°	34.3	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	133°	34.3	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	133°	37.3	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	133°	37.3	41.4	43.6	45.8	48.0	50.2	52.4	54.6	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
22	133°	37.3	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	133°	37.3	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 Type 1 Hip Stem High Offset

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
5	133°	39.6	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	133°	39.6	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	133°	39.6	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	133°	39.6	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	133°	39.6	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	133°	39.6	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	133°	39.6	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	133°	39.6	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	133°	39.6	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	133°	39.6	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	133°	39.6	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	133°	39.6	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	133°	39.6	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	133°	42.6	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	133°	42.6	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	133°	42.6	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	133°	42.6	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 Hip Stem

Offsets and Neck Lengths

Taperloc Complete Standard Offset 12/14 Taper

PPS®	BoneMaster™	A	B	Horizontal offset when femoral head is used					Vertical offset when femoral head is used					Neck Length when femoral head is used								
				PART NO.	PART NO.	Stem Size (mm)	Stem Length (mm)	D					E					C				
								-3.5	STD	+3.5	+7	+10.5	-3.5	STD	+3.5	+7	+10.5	-3.5	STD	+3.5	+7	+10.5
51-120050	51-130050	5	130	33.5	36.1	38.6	41.2	43.8	30.5	32.9	35.3	37.7	40.1	30.8	34.3	37.8	41.3	44.8				
51-120060	51-130060	6	132	34.0	36.6	39.1	41.7	44.3	30.5	32.9	35.3	37.7	40.1	30.8	34.3	37.8	41.3	44.8				
51-120070	51-130070	7	134	34.5	37.1	39.6	42.2	44.8	30.5	32.9	35.3	37.7	40.1	30.8	34.3	37.8	41.3	44.8				
51-120080	51-130080	8	136	35.0	37.6	40.1	42.7	45.3	30.5	32.9	35.3	37.7	40.1	30.8	34.3	37.8	41.3	44.8				
51-120090	51-130090	9	137	35.5	38.1	40.6	43.2	45.7	30.5	32.9	35.3	37.7	40.1	30.8	34.3	37.8	41.3	44.8				
51-120100	51-130100	10	140	36.0	38.6	41.1	43.7	46.3	30.5	32.9	35.3	37.7	40.1	30.8	34.3	37.8	41.3	44.8				
51-120110	51-130110	11	142	36.5	39.1	41.6	44.2	46.8	30.5	32.9	35.3	37.7	40.1	30.8	34.3	37.8	41.3	44.8				
51-120120	51-130120	12	144	37.0	39.6	42.1	44.7	47.2	30.5	32.9	35.3	37.7	40.1	30.8	34.3	37.8	41.3	44.8				
51-120130	51-130130	13	146	37.5	40.1	42.6	45.2	47.8	30.5	32.9	35.3	37.7	40.1	30.8	34.3	37.8	41.3	44.8				
51-120140	51-130140	14	148	38.0	40.6	43.1	45.7	48.3	30.5	32.9	35.3	37.7	40.1	30.8	34.3	37.8	41.3	44.8				
51-120150	51-130150	15	150	38.5	41.1	43.7	46.2	48.8	30.5	32.9	35.3	37.7	40.1	30.8	34.3	37.8	41.3	44.8				
51-120160	51-130160	16	152	39.0	41.6	44.1	46.7	49.3	30.5	32.9	35.3	37.7	40.1	30.8	34.3	37.8	41.3	44.8				
51-120170	51-130170	17	154	39.5	42.1	44.6	47.2	49.8	30.5	32.9	35.3	37.7	40.1	30.8	34.3	37.8	41.3	44.8				
51-120180	51-130180	18	156	42.2	44.8	47.3	49.9	52.5	32.5	34.9	37.3	39.7	42.1	33.8	37.3	40.8	44.3	47.8				
51-120200	51-130200	20	160	43.2	45.8	48.3	50.9	53.4	32.5	34.9	37.3	39.7	42.1	33.8	37.3	40.8	44.3	47.8				
51-120220	51-130220	22	164	44.2	46.8	49.3	51.9	54.4	32.5	34.9	37.3	39.7	42.1	33.8	37.3	40.8	44.3	47.8				
51-120240	51-130240	24	167	45.2	47.8	50.3	52.9	55.5	32.5	34.9	37.3	39.7	42.1	33.8	37.3	40.8	44.3	47.8				

Taperloc Complete Complete High Offset 12/14 Taper

PPS®	BoneMaster™	A	B	Horizontal offset when femoral head is used					Vertical offset when femoral head is used					Neck Length when femoral head is used								
				PART NO.	PART NO.	Stem Size (mm)	Stem Length (mm)	D					E					C				
								-3.5	STD	+3.5	+7	+10.5	-3.5	STD	+3.5	+7	+10.5	-3.5	STD	+3.5	+7	+10.5
51-121050	51-131050	5	130	41.4	43.9	46.5	49.0	51.6	30.5	32.9	35.3	37.7	40.1	36.1	39.6	43.1	46.6	50.1				
51-121060	51-131060	6	132	41.8	44.4	47.0	49.5	52.1	30.5	32.9	35.3	37.7	40.1	36.1	39.6	43.1	46.6	50.1				
51-121070	51-131070	7	134	42.4	44.9	47.5	50.0	52.6	30.5	32.9	35.3	37.7	40.1	36.1	39.6	43.1	46.6	50.1				
51-121080	51-131080	8	136	42.8	45.4	48.0	50.5	53.1	30.5	32.9	35.3	37.7	40.1	36.1	39.6	43.1	46.6	50.1				
51-121090	51-131090	9	137	43.3	45.9	48.5	51.0	53.6	30.5	32.9	35.3	37.7	40.1	36.1	39.6	43.1	46.6	50.1				
51-121100	51-131100	10	140	43.9	46.4	49.0	51.5	54.1	30.5	32.9	35.3	37.7	40.1	36.1	39.6	43.1	46.6	50.1				
51-121110	51-131110	11	142	44.4	46.9	49.5	52.0	54.6	30.5	32.9	35.3	37.7	40.1	36.1	39.6	43.1	46.6	50.1				
51-121120	51-131120	12	144	44.8	47.4	50.0	52.5	55.1	30.5	32.9	35.3	37.7	40.1	36.1	39.6	43.1	46.6	50.1				
51-121130	51-131130	13	146	45.3	47.9	50.5	53.0	55.6	30.5	32.9	35.3	37.7	40.1	36.1	39.6	43.1	46.6	50.1				
51-121140	51-131140	14	148	45.9	48.4	51.0	53.5	56.1	30.5	32.9	35.3	37.7	40.1	36.1	39.6	43.1	46.6	50.1				
51-121150	51-131150	15	150	46.3	48.9	51.5	54.0	56.6	30.5	32.9	35.3	37.7	40.1	36.1	39.6	43.1	46.6	50.1				
51-121160	51-131160	16	152	46.8	49.4	52.0	54.5	57.1	30.5	32.9	35.3	37.7	40.1	36.1	39.6	43.1	46.6	50.1				
51-121170	51-131170	17	154	47.3	49.9	52.4	55.0	57.6	30.5	32.9	35.3	37.7	40.1	36.1	39.6	43.1	46.6	50.1				
51-121180	51-131180	18	156	50.0	52.6	55.2	57.7	60.3	32.5	34.9	37.3	39.7	42.1	39.1	42.6	46.1	49.6	53.1				
51-121200	51-131200	20	160	51.0	53.6	56.1	58.7	61.3	32.5	34.9	37.3	39.7	42.1	39.1	42.6	46.1	49.6	53.1				
51-121220	51-131220	22	164	52.0	54.6	57.1	59.7	62.3	32.5	34.9	37.3	39.7	42.1	39.1	42.6	46.1	49.6	53.1				
51-121240	51-131240	24	167	53.0	55.6	58.2	60.7	63.3	32.5	34.9	37.3	39.7	42.1	39.1	42.6	46.1	49.6	53.1				

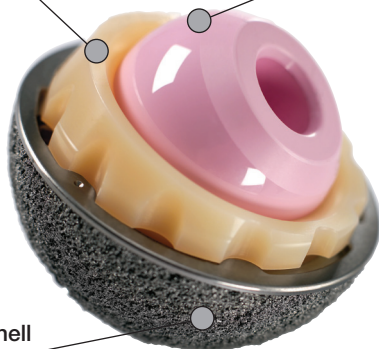
Taperloc Complete Hip Stem

Acetabular Options

Integral to Biomet's Total System approach, the highly versatile Exceed ABT multi-bearing acetabular system unites the technology developments in large diameter bearing design with clinically proven fixation methods.

E1

The only polyethylene infused with vitamin E on the market to provide strength and oxidative protection without remelting.



BILOX delta Ceramic Femoral Head

Composed of alumina matrix composite to provide improved wear resistance - available in 28, 32, 36 and 40mm heads.

Regenerex Ringloc + Acetabular Shell

Advanced porous metal technology coupled with next generation locking technology. Combine with an E1 bearing for the optimal combination of fixation and low wear.

Exceed ABT Taperfit Shell

E1 tapered bearing for the Exceed ABT Taperfit shell are available in articular diameters 28mm, 32mm and 36mm in standard and 10° liner options.



C2A Delta Ceramic on Ceramic Bearings

Provides improved wear resistance and mechanical strength.

