

# **Taperloc** Complete Hip System

## Surgical Technique



**BIOMET**®

## 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

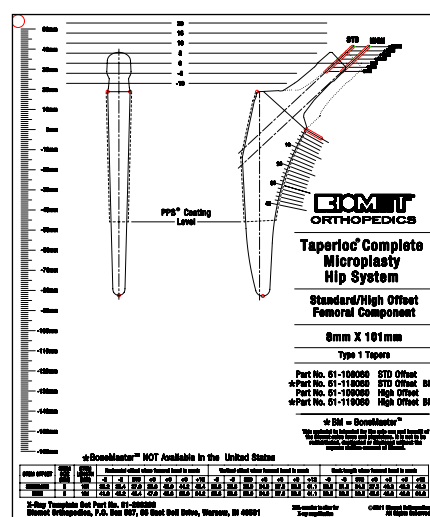
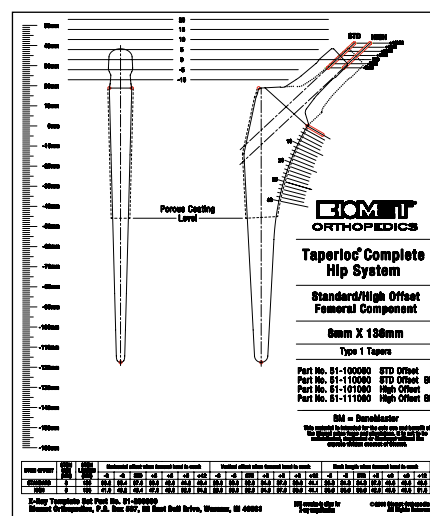


Figure 2

## 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

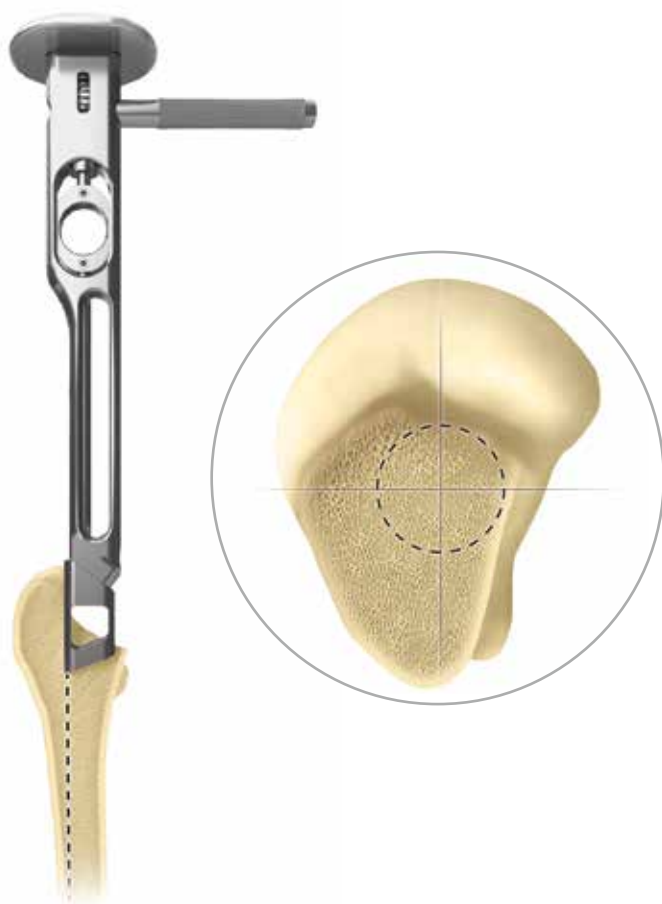


Figure 3



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).

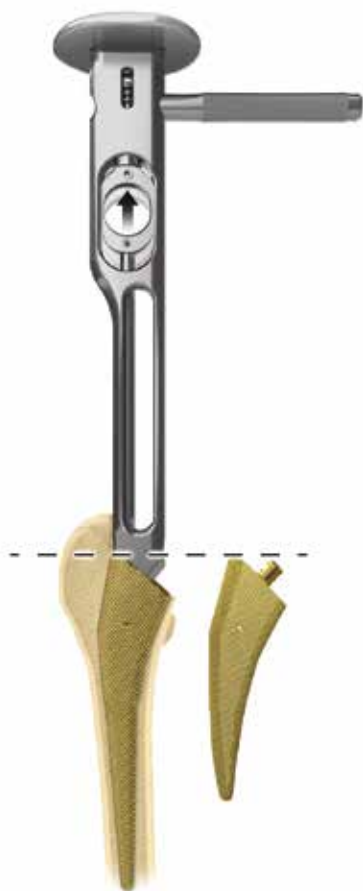


Figure 5

## 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

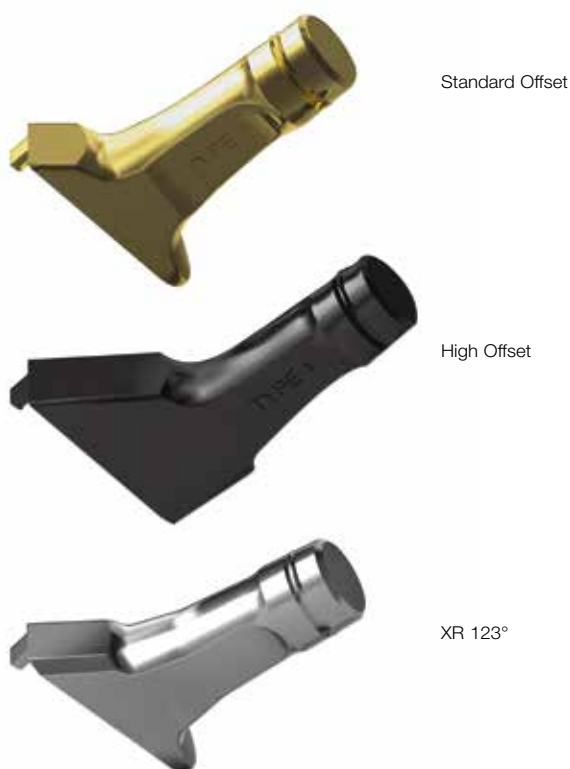


Figure 6



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   |

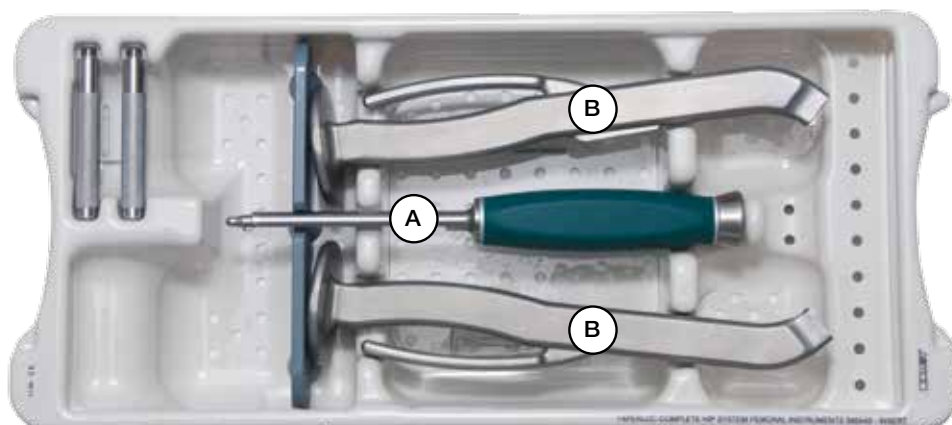
# Taperloc Complete Hip System

## 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* | –    |

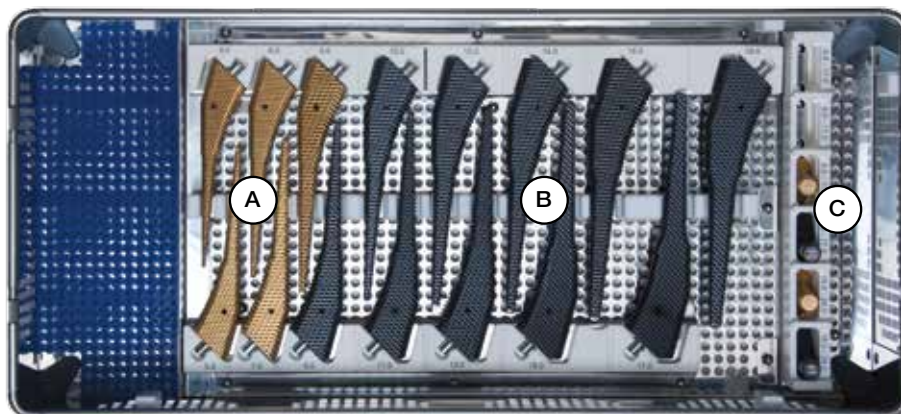
\* Optional instruments not included in the standard instrument set. Made to order.

| 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   |
|  | B     | 51-201200   | Taperloc Complete Full Profile Broach   | 20*  |
|                                                                                     |       | 51-201220   | Taperloc Complete Full Profile Broach   | 22*  |
|                                                                                     |       | 51-201240   | Taperloc Complete Full Profile Broach   | 24*  |
|                                                                                     |       | 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<br>for Broach Handle | —     |
|  | 31-600072   | Neck Osteotomy Guide                          | —     |
|  | 428195      | Starter Reamer                                | —     |

## **Taperloc** Complete Hip System

## Notes

## Notes

# 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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