

DESIGN RATIONALE

CEMENTED
&
PRESS-FIT

SUMMIT™ BASIC
TAPERED HIP SYSTEM



UNIFIED
INSTRUMENTATION

INTRAOPERATIVE
FLEXIBILITY

PROVEN
BIOMECHANICS



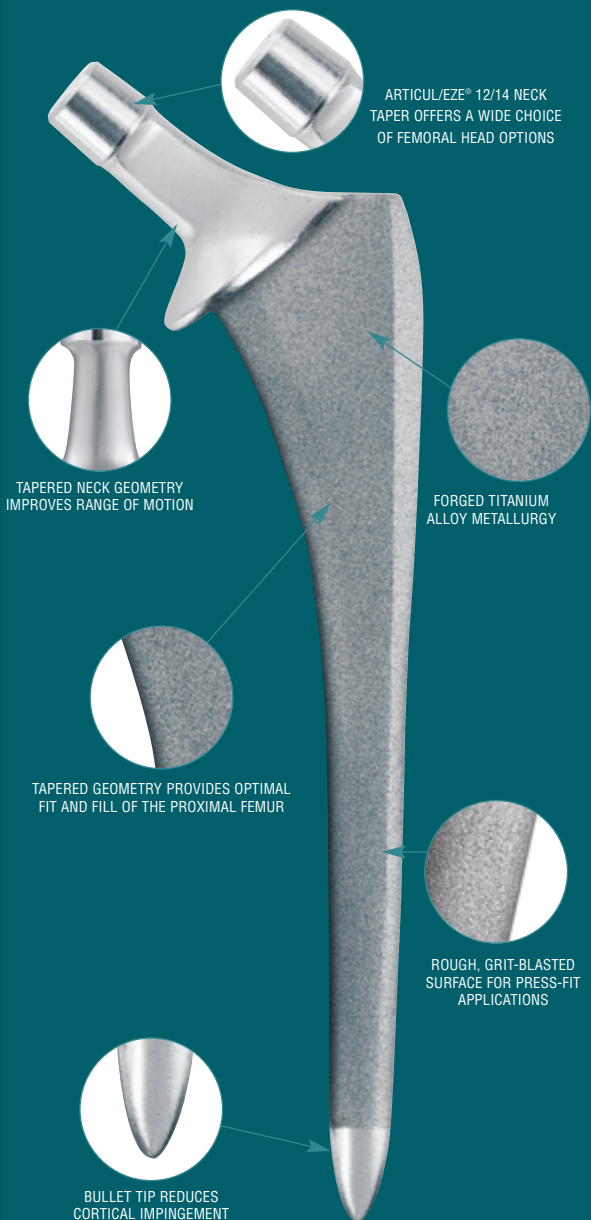
**SUMMIT™ BASIC
PRESS-FIT STEM
WITH PINNACLE™
ACETABULAR CUP**

The Summit™ Basic Hip completes the successful Summit Tapered Hip Platform, providing more surgical options than ever before. The Summit Basic Hip offers dedicated press-fit and cemented stems, allowing you to choose the most appropriate fixation for your patient.

The Summit Basic Hip features streamlined, straightforward instrumentation that is shared with the Summit Tapered Hip System. The well-organized Summit Basic instruments allow the option to choose the right implant intraoperatively, without altering femoral preparation.

The Summit Basic Hip enhances OR efficiency by offering a constant offset and neck length throughout the size range. This configuration provides restoration for a wide range of patient anatomies and allows for the use of a single neck trial for all Summit Basic implants.

SUMMIT BASIC PRESS-FIT STEM



SUMMIT BASIC CEMENTED STEM



ARTICUL/EZE 12/14 NECK
TAPER OFFERS A WIDE CHOICE
OF FEMORAL HEAD OPTIONS



TAPERED NECK GEOMETRY
IMPROVES RANGE OF MOTION



LATERAL FLANGE
PROVIDES CEMENT
MANTLE COMPRESSION



FORGED COBALT CHROME
ALLOY METALLURGY



SMOOTH SURFACE
SPECIFICALLY DESIGNED
FOR CEMENTED
APPLICATION



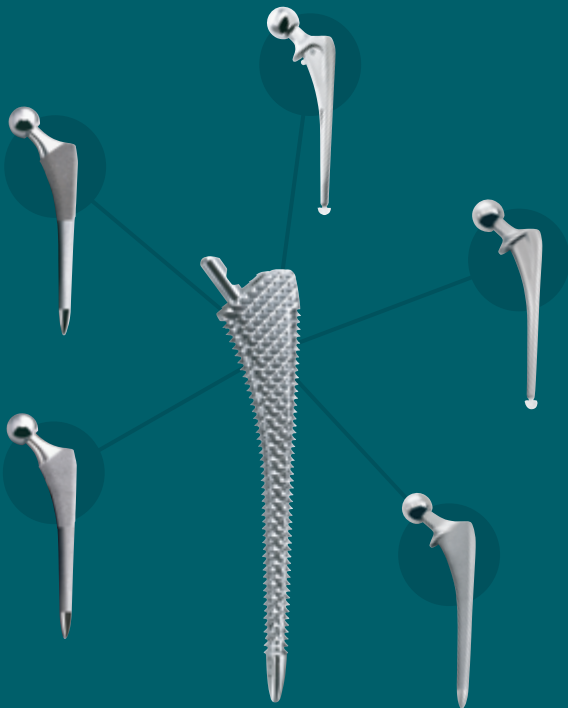
DISTAL CEMENTALIZER™
OPTION TO ENHANCE THE
CEMENT MANTLE

UNIFIED INSTRUMENTATION

One set of broaches for the entire Summit Tapered Hip System.

The Summit Basic Hip is part of the integrated Summit Tapered Hip System. This advanced systems approach provides the following advantages:

- The same instrumentation is used for all implants in the system, dramatically lowering the learning curve.
- Any implant within the Summit system may be used without altering the surgical technique.
- Patients with varying needs, such as bone types and fixation, may be treated with the same instrument set.



INTRAOPERATIVE FLEXIBILITY

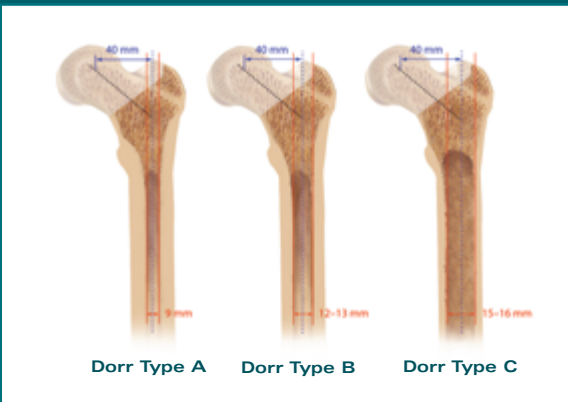
The Summit Basic Hip, cemented or press-fit.

Intraoperative flexibility means that you can always use the implant that is exactly right for your patient. The Summit Basic Hip offers the intraoperative flexibility to choose press-fit or cemented stems. Dedicated implants mean that you are never forced to compromise on fixation or biomechanics to provide your patients with the appropriate implant.

The Summit broach sizes match the implant sizes — if your final broach is Size 6, the Size 6 implant is selected. This is true of press-fit and cemented stems, so you never have to “downsize” to implant a cemented stem. The size-for-size system, combined with the single neck trial for all stems, makes the Summit Basic instrumentation the most streamlined, efficient system available today.

PROVEN BIOMECHANICS

The Summit Basic Hip offers a constant offset and neck length throughout the size range. This design helps to provide flexibility by allowing you to select the proper intra-osseous size and fixation mode without compromising biomechanics. Additionally, the constant neck length and offset offered by this system are specifically designed to avoid complications resulting from too much offset and neck length that can be encountered when treating a Dorr Type C femur.



Through the natural aging process, the intramedullary geometry of the femur undergoes predictable changes.¹ Independent review has confirmed that as the medullary canal enlarges in the Dorr Type C bone, the femoral offset and neck length remain relatively constant.² The Summit Basic Hip is designed to avoid difficulty in reduction and/or overstuffing the hip joint by maintaining constant offset and neck length throughout the implant size range.

SIMPLE INSTRUMENTATION



- Proven Summit platform instrumentation.
- Streamlined, broach-only surgical technique.
- Logical instruments improve OR efficiency.

SURGICAL TECHNIQUE OVERVIEW



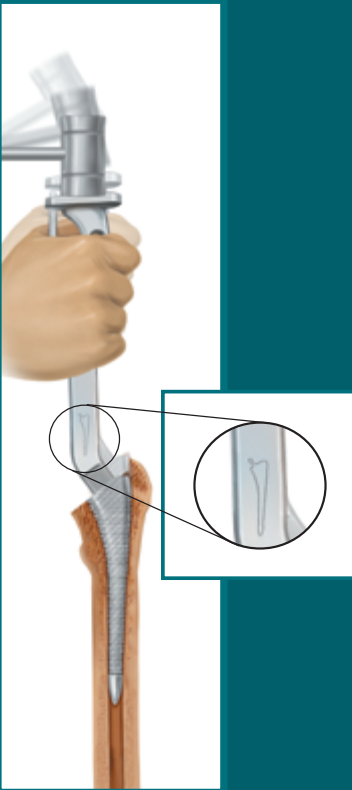
Step One
CANAL INITIATION



Step Two
CANAL DEFINITION



Step Four
CALCAR MILLING



Step Three
FEMORAL BROACHING



Step Five
TRIAL EVALUATION



Step Six
IMPLANT INSERTION

IMPORTANT

This Essential Product Information summary does not include all of the information necessary for selection and use of a device. Please see full labeling for all necessary information.

INDICATIONS

Total Hip Arthroplasty (THA) is indicated for: a severely painful and/or disabled joint from osteoarthritis, traumatic arthritis, rheumatoid arthritis or congenital hip dysplasia; avascular necrosis of the femoral head; acute traumatic fracture of the femoral head or neck; failed previous hip surgery; and certain cases of ankylosis.

CONTRAINDICATIONS

THA is contraindicated in cases of: active local or systemic infection; loss of musculature, neuromuscular compromise or vascular deficiency in the affected limb, rendering the procedure unjustifiable; poor bone quality; Charcot's or Paget's disease.

WARNINGS AND PRECAUTIONS

Components labeled for "Cemented Use Only" are to be implanted only with bone cement. The following conditions tend to adversely affect hip replacement implants: excessive patient weight, high levels of patient activity, likelihood of falls, poor bone stock, metabolic disorders, disabilities of other joints. The following are the most frequent adverse events after THA: change in position, loosening or fracture of components, dislocation, infection, tissue reaction.

REFERENCES

1. Dorr, LD., et al. "Structural and Cellular Assessment of Bone Quality of Proximal Femur." *Bone* 1993; 231-242.
2. Data on file at DePuy Orthopaedics, Inc.

The Summit Cemented Femoral Stem is intended for cemented use only.

For more information about the Summit Tapered Hip System, visit our web site at www.jnjgateway.com/summithip.



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