optimys®
Product information

The Anatomy’s Choice
The optimys hip stem is the ideal solution for young and active patients but also suitable for older patients with good bone quality. It is designed to better restore the individual anatomical conditions of the patient. The design preserves more bone and surrounding tissue structures than a traditional primary stem and allows the surgeon to perform all minimal invasive surgical techniques. The system features a streamlined product portfolio and instrumentation to ensure an efficient and cost-effective handling.

**Rectangular impaction hole**

*Safe and rotational guided insertion*

The rectangular impaction hole allows a controlled positioning of the implant using the impactor. Anteversion can easily be reproduced.

**Titan Plasma Spray and Calcium Phosphate coating**

*Optimal mechanical anchoring and accelerated osseointegration*

The rough titanium plasma sprayed coating offers a secure anchorage in the bone and the overlaying calcium phosphate coating promotes a rapid osseointegration for an optimum secondary stability.
**Triple taper design**

*High primary stability*

The effectiveness of tapered stem designs has been clinically proven over many years. The triple taper of the optimys stem ensures a controlled and rotational stable fixation in the metaphyseal area of the femur\(^1\). The risk of subsidence is minimised.

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**Trapezoidal neck geometry with standardised 12/14 cone**

The proven neck geometry offers extended range of motion, reduced risk of impingement and subsequently reduced risk of post-operative dislocation.

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**Anatomical curvature**

*Perfect fit along the calcar arch*

optimys better restores the individual anatomical conditions of the patients. Extensive X-ray and CT analysis have been performed to determine the optimal shape of the stem, especially at the calcar arch. Due to the distinctive curvature, the optimys stem may be used for almost all primary cases\(^2\).

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**Polished distal tip**

*Avoids distal osseointegration and thigh pain*

The distal part of the stem features a round tip for easy insertion and to minimise the risk of thigh pain.

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1 Biomechanical study optimys short stem, Orthopaedic University Clinic Ulm and Institute of Orthopaedic Research and Biomechanics Ulm

2 Data on file
Well-thought-out instrumentation for an efficient and cost-effective handling

The optimys instrumentation offers maximum accuracy and intra-operative flexibility. Various starter instruments and rasp handles for all MIS approaches are available to accommodate the surgeon’s preferences.

The optimys rasps ensure a precise preparation of the implant bed for a stable positioning of the implant.