

MetaFix™

Cementless Total Hip Replacement
[Product overview](#)



Corin
Responsible Innovation

Evolution | Versatility | Simplicity

Founded on 20 years' experience in cementless technology with a proven, world-leading stem design MetaFix™ is the universal choice for total hip replacement.

MetaFix™ is a collared and collarless, cementless, fully coated hydroxyapatite implant available in a broad range of sizes, allowing surgeons to choose the right solution for individual patient needs.

Recreation of the patients biomechanics particularly in the smaller patient can sometimes be a challenge. To address this MetaFix™ collared has shorter necks in the smaller sizes.





The universal choice for
cementless total hip replacement

Evolution

Today's patients have increased expectations and demands from their total hip replacement.

Evolution of different treatment options now allows for all patient needs to be addressed.

The MetaFix™ stem is compatible with a range of acetabular options:

- Trinity™ Advanced Bearing Acetabular System with BIOLOX® *delta* ceramic-on-ceramic*, HXLPE or ECiMa™ (Vitamin E) highly cross-linked polyethylene
- Corin's hemiarthroplasty Unipolar and Bipolar options

*not available in the US.





Versatility

MetaFix™ is the optimal solution for a broad range of hip defects and conditions, available in collared and collarless version with different neck offset options and sizes.

Collarless

- 3 neck offsets, 125°, 135° standard and 135° lateralised
- Sizes 0 – 10 *

Collared

- 2 neck offsets, 125° and 135° standard
- Sizes 0 – 9**
- Short necks provide more options to better recreate the patient's biomechanics
- Sizes 1 and 2 125°*** and sizes 0 - 2 135°***

*Size 0 and 1 125° and size 0 135° not available in US.

**Size 1 125° and size 0 135° not available in US.

***Size 1 125° short neck and size 0 135° short neck not available in US.





- The hydroxyapatite coating and proven stem geometry offer the surgeon and patient confidence in stem stability
- The MetaFix™ stem is manufactured from high strength titanium alloy and is plasma sprayed with a hydroxyapatite coating for a biocompatible, osteoconductive surface for enhanced bone integration
- The flat polished neck design offers an improved range of motion for the patient with reduced opportunities for impingement
- The collared option offers the presence of the medial calcar collar allows a reduced risk of stem subsidence especially in cases where the quality of the bone doesn't permit an optimal stability with the collarless version



Metaphyseal flare

The hydroxyapatite coated lateral flare resists axial/torsional stresses and promotes osteointegration for maximal secondary fixation¹.



Duckbill design

Shape gives easier access for osteotomes in case of revision.



Macrostructures

The vertical grooves and hydroxyapatite coating provide stabilisation and help to reduce distal thigh pain¹.



Anterior Posterior growth

The A/P collar width grows in line with the stem's A/P shoulder width.



Stability

The horizontal grooves and hydroxyapatite coating reduce the potential for subsidence and increase the area for bone on-growth.



Medial growth

Gradual medial collar growth, 0.4mm increments for each size.



Size 2 125° STD



Size 2 125° Short

The right solution for individual patient needs

Recreation of the patients biomechanics particularly in the smaller patient can sometimes be a challenge. To address this MetaFix™ collared has shorter necks in the smaller sizes.

- The neck length of the short version is 7.5mm less than the standard
- 5 short offset neck options are available:

Size 1 and 2 125°*

Size 0, 1 and 2 135°*

*Size 0 135° short neck and size 1 125° short neck are not available in US.

Simplicity

The MetaFix™ instrumentation is designed for simplicity and theatre efficiency.

The new system includes:

- A choice of different broach handles for surgeons needs
- Lighter weight trays for manoeuvrability
- Specialised instrumentation platform, designed to suit all surgical approaches, allowing for simple, accurate implantation and reproducible results





Evolution

The option of collared or collarless allows the surgeon to best meet the patients needs, whilst the different neck lengths allow them to better recreate a patient's biomechanics

Versatility

MetaFix™ is the optimal solution for a broad range of hip defects and conditions. The hydroxyapatite coating and proven stem geometry offer the surgeon and patient confidence in stem stability

Simplicity

The MetaFix™ instrumentation platform is designed to suit all surgical approaches, allowing for simple, accurate implantation and reproducible results

References:

1. Chambers B, St. Clair SF, Froimson MI. Hydroxyapatite-coated tapered cementless femoral components in total hip arthroplasty. J Arthroplasty 2007 Jun. Vol. 22 No. 4 Suppl.: 71-74.

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Printed on 9lives 80 which contains 80% total recycled fibre and is produced at a mill which holds the ISO 14001 for Environmental Management Systems. The pulp is bleached using Elemental Chlorine Free processes.

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