

MASTER^{SL}

F E M O R A L S T E M

Master your Philosophy

 **Lima Corporate**
Orthopaedic  motion

Reduced Anterior-Posterior
neck geometry for an
improved range of motion

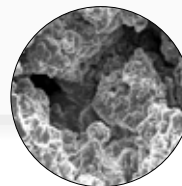
Reduced lateral shoulder promotes bone
preservation and easier stem insertion for
minimally invasive techniques

Trusted Lima 12/14 taper.
An unchanged design in use on all
stems since 1992

The proximal coating of Poro-Ti allows for initial scratch-fit
and subsequent biological fixation



Cancellous Bone



Poro-Ti

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Stem flute facilitates blood flow along
the length of the stem



Distal lateral chamfer facilitates a better fit within a
range of femoral canal classifications,
reduces the risk of distal cortical loading and
facilitates easier stem insertion



→ Titanium alloy (Ti6Al4V) aids stress transfer
evenly, helping avoid stress shielding



STEM philosophy

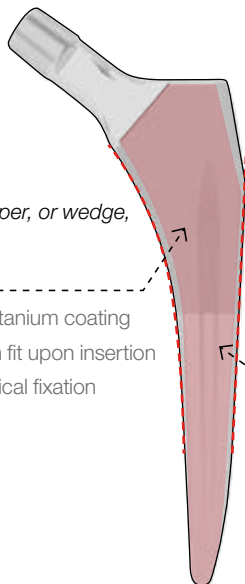
Designed upon the Müller Philosophy alongside the clinical experience of LimaCorporate's Self-Locking stems. The MASTER^{SL} is a cementless stem combining the benefits of all its predecessors.

The medial to lateral taper, or wedge, promote initial stability

.....
The proximal Porous Titanium coating ensures a great scratch fit upon insertion and subsequent biological fixation

The flat anterior and posterior faces of the wedge improve rotational stability

.....
The matte finish distal portion eases insertion and ensures proximal loading of the stem



> ACETABULAR OPTION

The MASTER^{SL} can be used alongside any of the LimaCorporate DELTA CUP RANGE including the unique **T_T** cups.





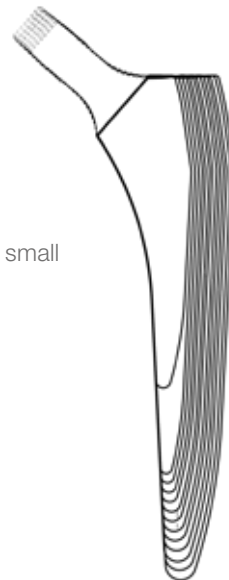
SIZE philosophy

The MASTER^{SL} is available in **13 sizes** in both standard and lateralized offsets.

Stem length increases by 3 mm per size.

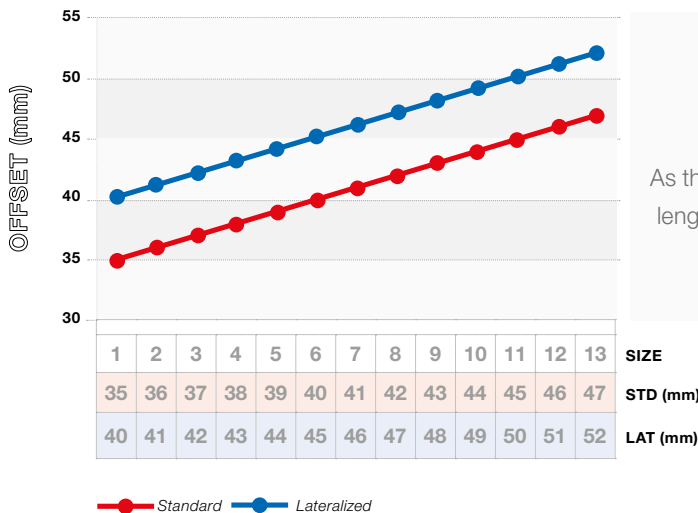
Size 1 is an exception at 26.5 mm shorter than size 2, this facilitates use in very small or narrow femurs.

- Stem width (M-L) by 1 mm per size
- Stem width (A-P) by 0.3 mm per size
- Lateralization does not affect implant length



THIRTEEN SIZES

OFFSET DISTRIBUTION



OFFSET DISTRIBUTION

As the stem sizes increase so does the offset and leg length which imitates the natural femur more closely



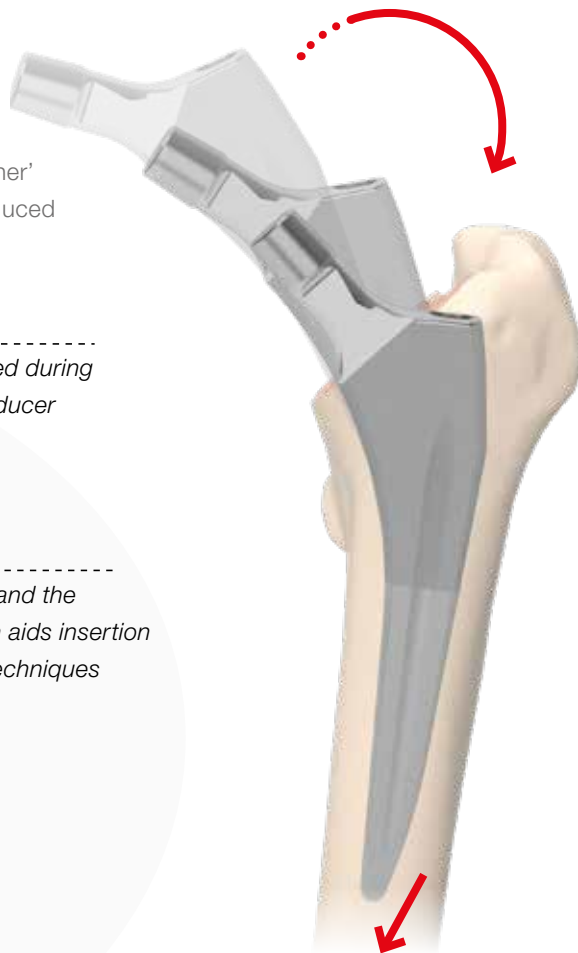
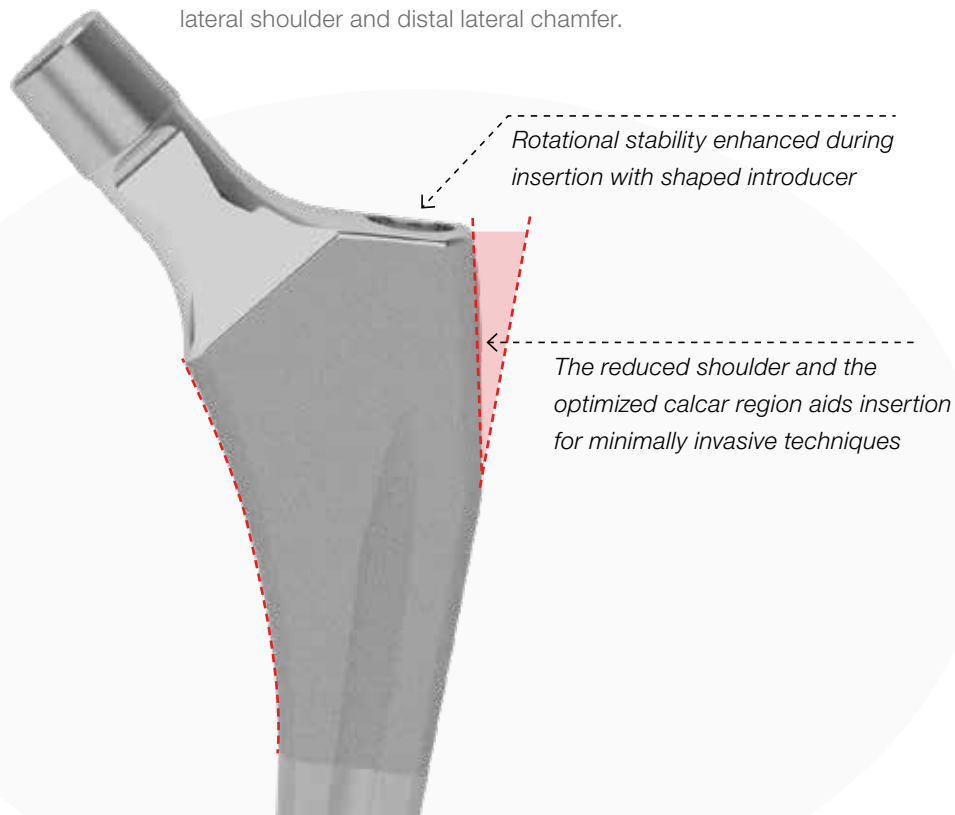
SURGICAL philosophy

The MASTER^{SL} covers all surgical techniques from the traditional to the most modern minimally invasive tissue sparing approaches.

CURVED INSERTION TRAJECTORY

Facilitates Stem Implantation

The MASTER^{SL} can be implanted using the 'round the corner' technique, this is aided by the optimized calcar region, reduced lateral shoulder and distal lateral chamfer.





CLINICAL cases

> CASE 1



PRE-OP

45-year-old male, 2-year history of progressive right groin pain.



POST-OP

Treatment with MASTER^{SL} #6 size, DELTA-TT 50 mm, 32 mm COP in Posterior Approach.

> CASE 2



PRE-OP

68-year-old female, BMI 34
osteoarthritis.



POST-OP

Treatment with MASTER^{SL} lateralized stem #4 size,
DELTA-TT cup 50 mm, COP.

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