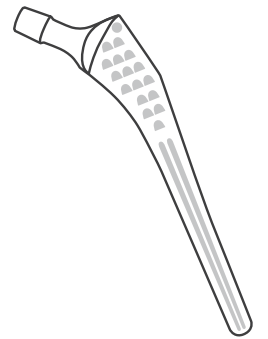


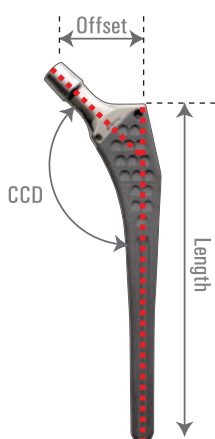
# Benfix Long Stem



# Benfix Long Stem



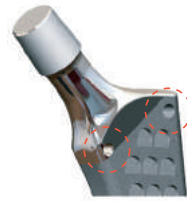
## Benfix Long Stem Specifications



Size	Length (mm)	Offset (mm)	CCD (degree)
1	133	38.0	135°
2	148	38.5	
3	158	39.5	
4	163	40.0	
5	168	41.0	
6	178	41.5	
7	188	42.0	
8	193	43.0	
9	198	43.5	
10	208	44.5	
11	213	45.0	

## Solutions for the Osteoporotic and Comminuted Fracture

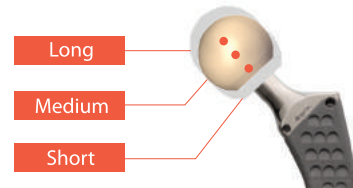
- Extended distal body enhances additional stability in the diaphysis.
- Wiring holes enable the reduction of the comminuted lesser and greater trochanter.



Wiring hole

## Compatible Tapered 12/14 Trunnion

- Adaptation of **Bencox forte & delta**, and Metal heads
- Provides 3 optional offset (Short, Medium, Long).
- Extra long offset provided for Metal heads



## Wide Range of Prosthetic ROM(P-ROM)

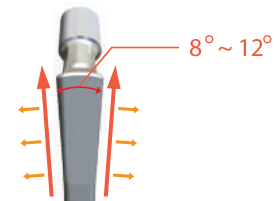
- Enhanced neck shape
  - Improved trapezoidal neck design allows wide angulation and protects impingement & dislocation.
- P-ROM of **Benfix Long stem**



MOTION	Bencox 28mm	Bencox 32mm	Bencox 36mm
Flexion	120°	124°	132°
Extension	64°	68°	75°
<b>Total (Flexion+Extension)</b>	<b>184°</b>	<b>192°</b>	<b>207°</b>
Abduction	67°	70°	76°
Adduction	54°	57°	63°
<b>Total (Abduction+Adduction)</b>	<b>121°</b>	<b>127°</b>	<b>139°</b>
Internal Rotation	136°	142°	152°
External Rotation	73°	78°	88°
<b>Total (Int. Rot.+Ext. Rot.)</b>	<b>209°</b>	<b>220°</b>	<b>240°</b>

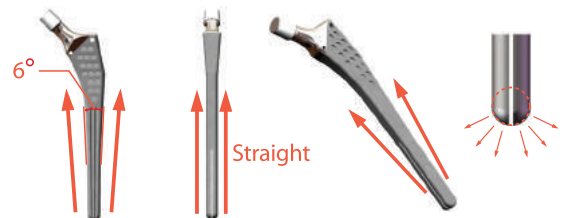
## Prevented Axial Displacement and Stress Shielding

- Proximal taper resists the axial displacement and avoids stress shielding.
  - Stem locks against the dense bone of the calcar and greater trochanter and transferring load to the proximal femur.



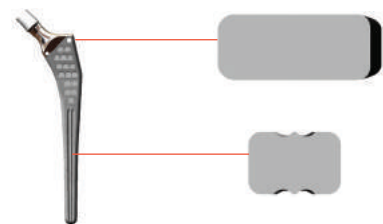
## Reduced Thigh Pain

- Low elastic modulus of Ti alloy and the tapered stem reduce stiffness which avoids distal load transfer and prevents proximal stress shielding.
- Distal slot provides stress distribution and reduces thigh pain.



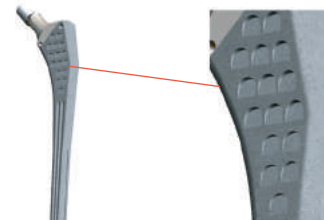
## Enhanced Rotational Stability

- Rectangular cross-section
- Longitudinal grooves
  - Longitudinal grooves are designed to resist rotational motion.



## Enhanced Axial Stability

- Transverse grooves
  - Transverse grooves provides axial stability and converts hoop stresses to compressive loads.



# Benfix Long Stem ●

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## Ordering Information

Part No.	Description
01.04.001	Stem 1
01.04.002	Stem 2
01.04.003	Stem 3
01.04.004	Stem 4
01.04.005	Stem 5
01.04.006	Stem 6
01.04.007	Stem 7
01.04.008	Stem 8
01.04.009	Stem 9
01.04.010	Stem 10
01.04.011	Stem 11

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