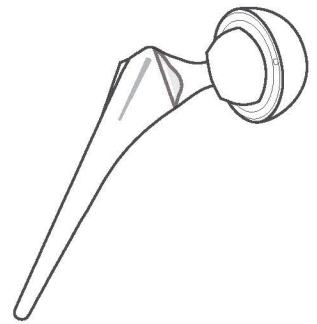
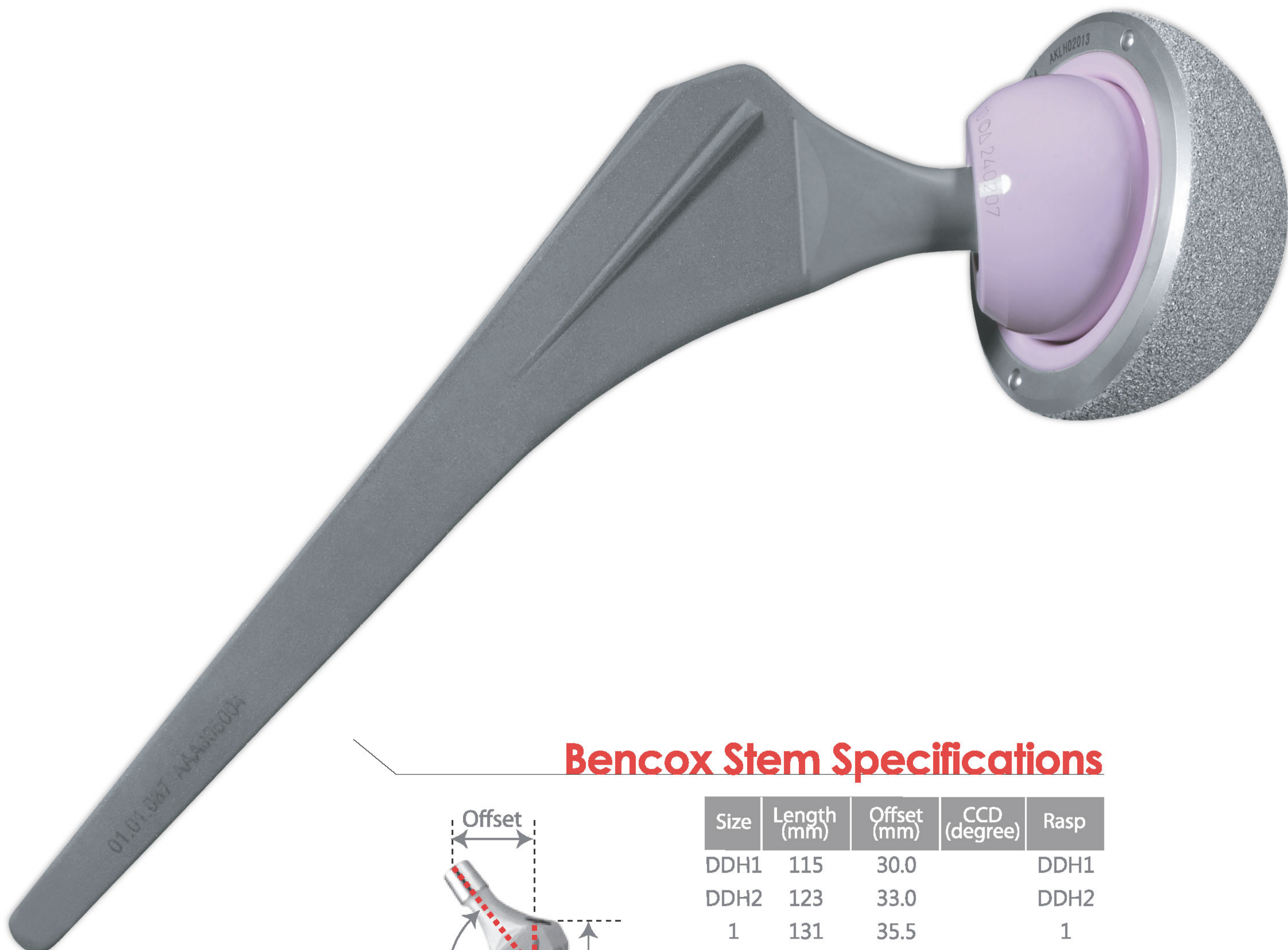


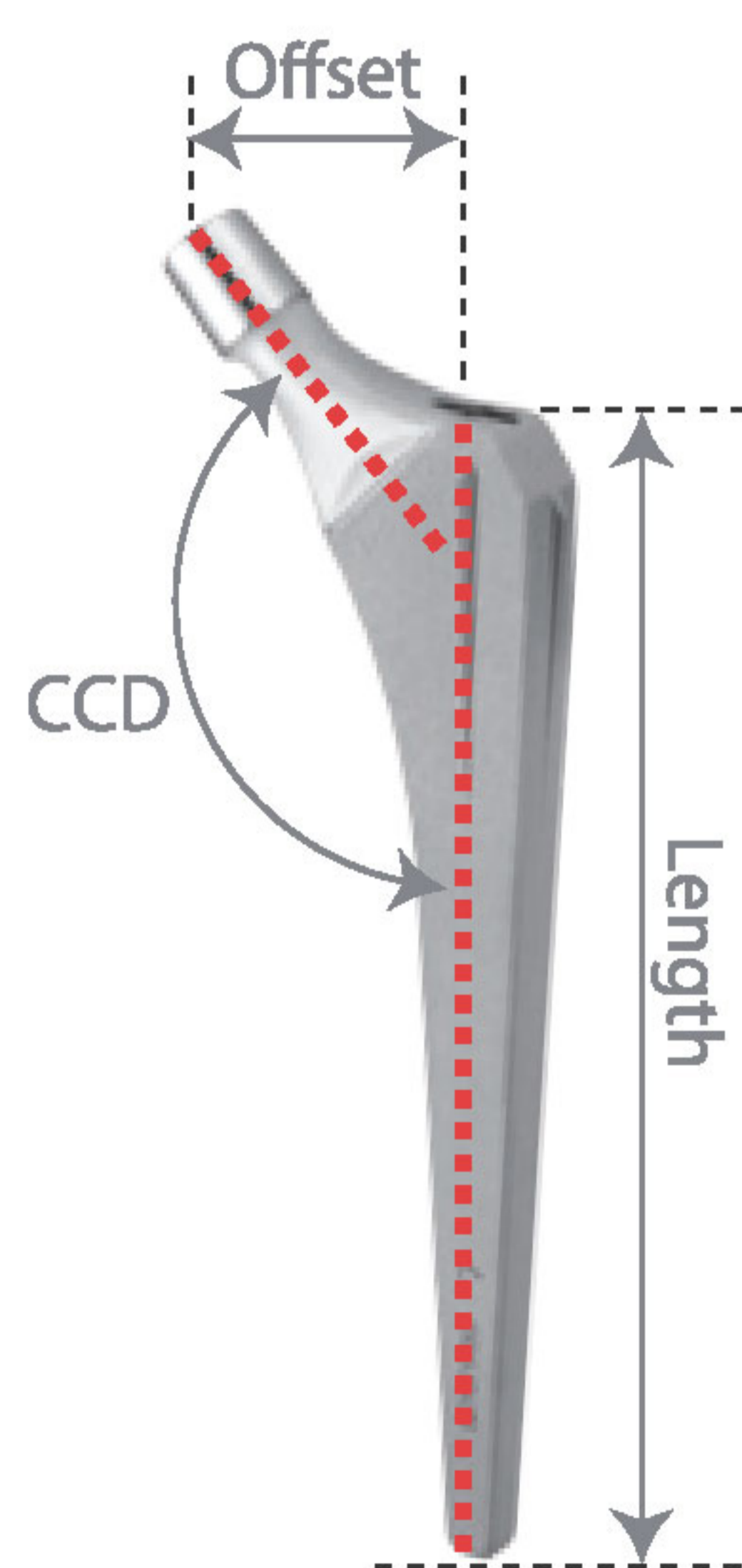
Bencox Stem



Bencox Stem



Bencox Stem Specifications



Size	Length (mm)	Offset (mm)	CCD (degree)	Rasp
DDH1	115	30.0		DDH1
DDH2	123	33.0		DDH2
1	131	35.5		1
2	135	36.7		2
3	139	37.4		3
4	143	38.2		4
5	147	39.4		5
6	151	40.1	135°	6
7	155	40.6		7
8	159	41.3		8
9	163	42.1		9
10	167	43.3		10
11	171	44.5		11
12	175	45.7		12
13	179	46.9		13

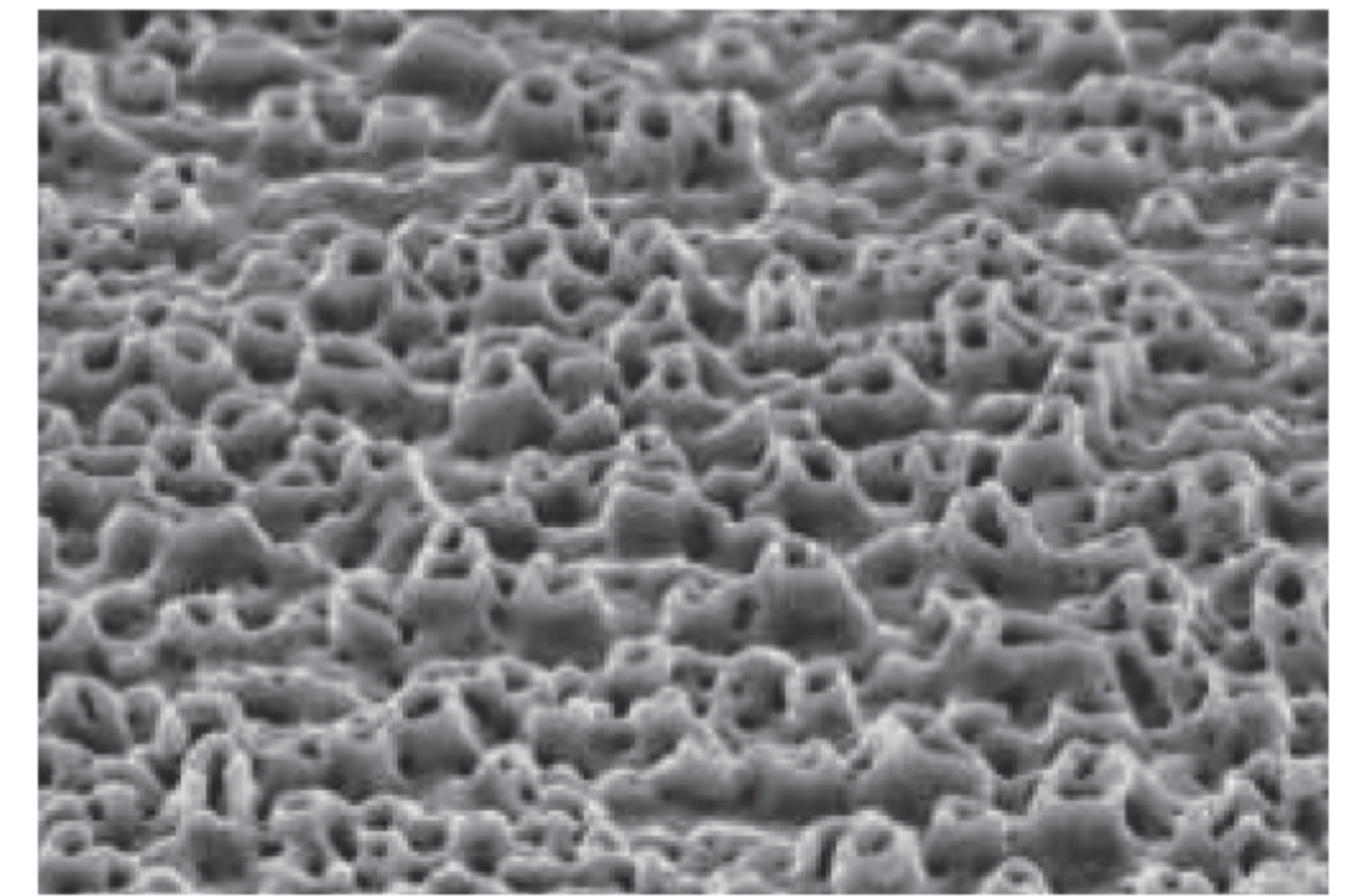
Femoral Component

Femoral Component is a typical double-tapered wedge stem, designed to suit the anatomical structure in the marrow cavity. The section is rectangular-shaped, allowing a strong initial press-fit fixation in the femoral marrow cavity. There are 15 sizes covering a developmental dislocation of a hip joint to a large marrow cavity.

MAO (Micro Arc Oxidation)

To maximize bone ongrowth, the surface of the Femoral Stem is treated with micro arc oxidation, maintaining average $5.5\mu\text{m}$ of surface roughness.

Micro arc oxidation has $1-5\mu\text{m}$ diameter of numerous porosity structure, maximizing the contacting area with the surrounding bone and assisting in adhering the osteoblast. Also, MAO contains calcium and phosphate, the principal components of bones, on its surface which provides an excellent environment for bone ongrowth.



Grit-Blasting Surface

The Bencox Stem is manufactured from a titanium alloy (Ti6Al4V ELI), according to ASTM F136 / ISO 5832-3 and has a proven grit blasted surface finish ($4-6\mu\text{m}$) with about two decades of clinical experience.

Wide Range of Motion

The innovative design on the 'Neck' of the Femoral Component (Patent #: 7311735, USA / ZL 2005 1 0081090.4, China / 10-0566584, Korea) minimizes possible impingement when flexing and extending a joint; using a 32 mm or 36 mm head maximizes the range of motion.

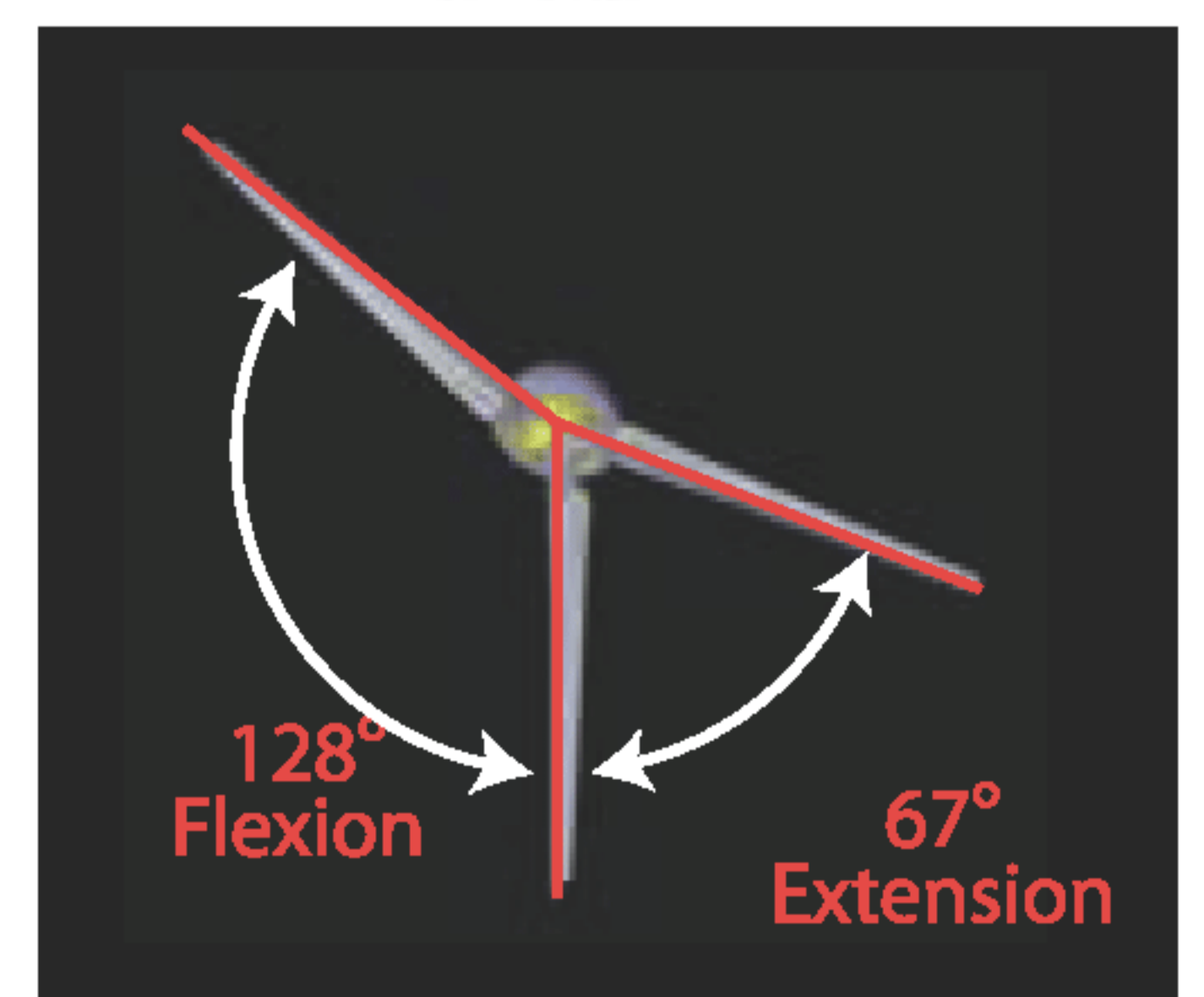


Range of Motion Comparison

	A - 28mm	B - 28mm	B - 32mm	Bencox 28mm	Bencox 32mm	Bencox 36mm
Flexion	105°	107°	111°	125°	128°	135°
Extension	35°	47°	51°	61°	67°	76°

(with world-leading competitors)

* Indicated angles are based on the measured data (PROSTHETIC-ROM) with the assumption of the stabilized implant. (Our data is evaluated at 45° inclination and 15° anteversion of the cup, 6° adduction and 10°)



Bencox Stem

Ordering Information

Bencox II Stem

MAO		Blasting	
Part No.	Description	Part No.	Description
01.01.041	Stem DDH 1	01.01.921	Stem DDH 1
01.01.042	Stem DDH 2	01.01.922	Stem DDH 2
01.01.081	Stem 1	01.01.901	Stem 1
01.01.082	Stem 2	01.01.902	Stem 2
01.01.083	Stem 3	01.01.903	Stem 3
01.01.084	Stem 4	01.01.904	Stem 4
01.01.085	Stem 5	01.01.905	Stem 5
01.01.086	Stem 6	01.01.906	Stem 6
01.01.087	Stem 7	01.01.907	Stem 7
01.01.088	Stem 8	01.01.908	Stem 8
01.01.089	Stem 9	01.01.909	Stem 9
01.01.090	Stem 10	01.01.910	Stem 10
01.01.091	Stem 11	01.01.911	Stem 11
01.01.092	Stem 12	01.01.912	Stem 12
01.01.093	Stem 13	01.01.913	Stem 13

Manufacturing Plant 12, Yeongsanhong 1-gil, Ipjang-myeon, Seobuk-gu, Cheonan-si, Chungcheongnam-do, Korea
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Corentec America 17305 Von Karman Ave. Suite 114, Irvine, CA 92614, USA Tel : 1-949-379-6227 Fax : 1-949-387-5716

EC Representative : Emergo Europe Molenstraat 15, 2513 BH, The Hague, The Netherlands Tel : 31-70-345-8570 Fax : 31-70-346-7299