

# KORUS SYSTEM



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*Enjoy Mobility*



# KORUS SYSTEM



## Uncemented Korus Coating

Both the 135° and 125° CCD angle neck stems are completely coated with a layer of Osprovit® Hydroxyapatite (HA) of 100±20µm thickness



## Cemented Korus Finishing

Mirror finishing

## KORUS SYSTEM

The KORUS SYSTEM was created with the aim to provide the surgeon with complete and reliable solutions for an increasingly personalized surgery.

The system includes:

- Uncemented collarless KORUS, with Hydroxyapatite coating and CCD 135° and 125° angles
- Uncemented collared KORUS, with Hydroxyapatite coating and CCD 135° and 125° angles
- Cemented KORUS, with CCD 135° and 125° angles

## Materials

Uncemented collarless and collared Korus: Titanium alloy Ti 6Al 4V (ISO 5832/3)

Cemented Korus: High nitrogen content stainless steel (ISO 5832-9)



# KORUS SYSTEM



## Square distal section

Square distal section design provides rotational stability with no contact with the cortical.

## Horizontal and vertical grooves

- To provide axial and rotational stability
- To promote a better grip

## Cemented KORUS

- 135° and 125° CCD angle neck;
- Mirror polished finishing for a decreased risk of impingement;
- Low trochanteric invasivity, easier insertion and reduced incision;
- Tapered distal end to facilitate stem insertion and reduce the forces on the cement layer;
- The stem is in compliance with European standards, having 12/14 morse taper (5°42'30").

## Uncemented KORUS

- 135° and 125° CCD angle neck;
- Tapered geometry for increased ROM and decreased risk of impingement;
- Low trochanteric invasivity, easier insertion and reduced incision, especially with an anterior approach;
- Step geometry converts torsional stresses into compressive loads;
- The stem is in compliance with European standards, having 12/14 morse taper (5°42'30").

## Uncemented collared KORUS

Collar provides additional axial support and assist in achieving proximal loading

The size of the collar increases with the size of the stem



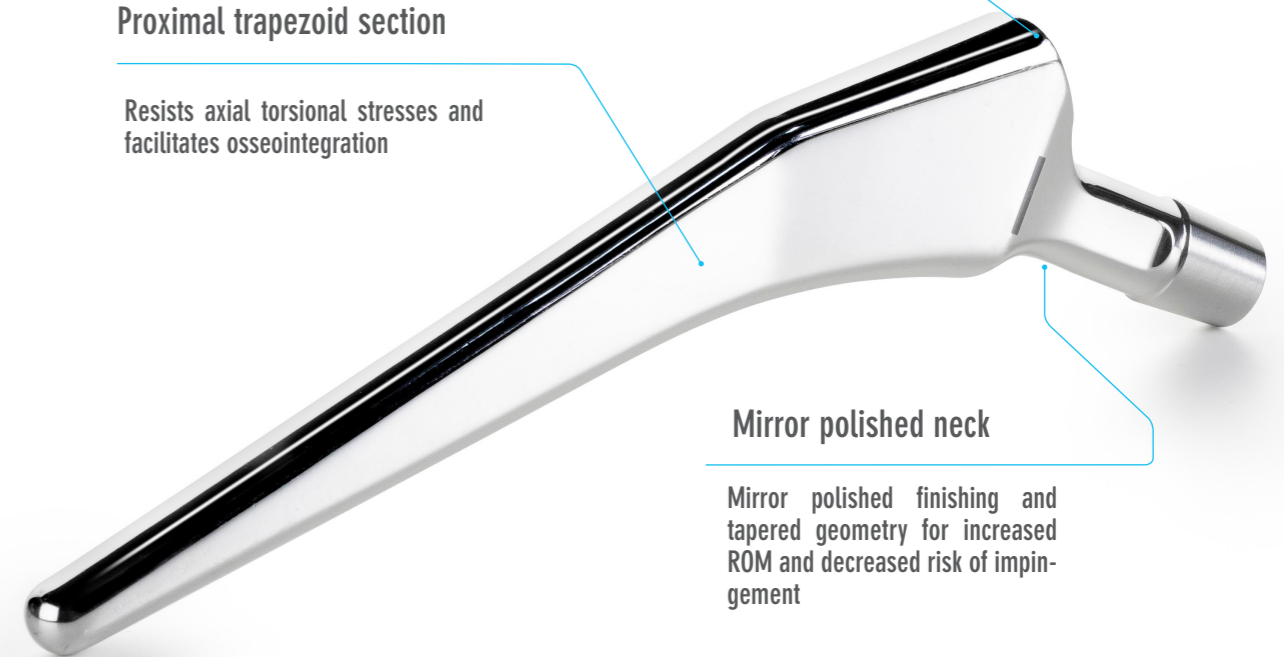
## Threaded extraction hole

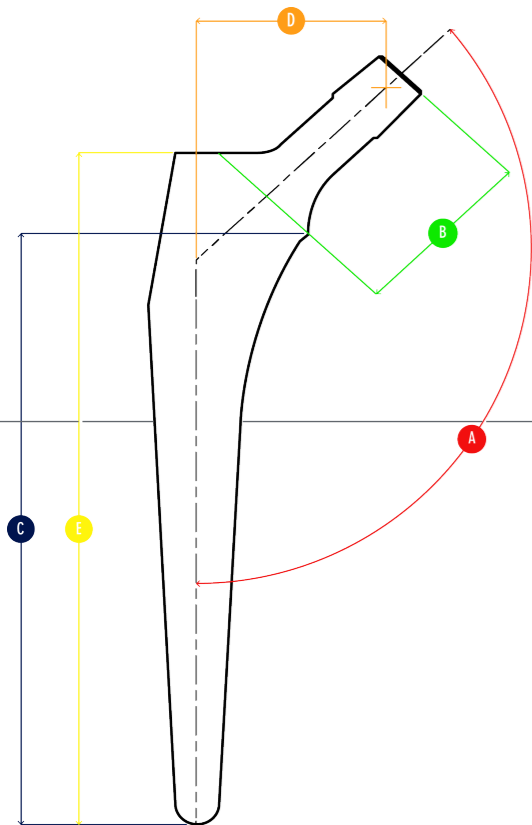
## Proximal trapezoid section

Resists axial torsional stresses and facilitates osseointegration

## Mirror polished neck

Mirror polished finishing and tapered geometry for increased ROM and decreased risk of impingement





#### UNCEMENTED KORUS STANDARD NECK

REF	SIZE	CCD (A)	NECK LENGTH (B)	STEM LENGTH (C)	STEM LENGTH (E)	OFFSET (D)
120410101	1	135°	41mm	107.7mm	127mm	37mm
120410102	2	135°	41mm	118mm	137mm	38mm
120410103	3	135°	41mm	122.7mm	142mm	38.5mm
120410104	4	135°	41mm	128mm	147mm	39.5mm
120410105	5	135°	41mm	132.9mm	152mm	40mm
120410106	6	135°	41mm	137.7mm	157mm	40.5mm
120410107	7	135°	41mm	143mm	162mm	41.5mm
120410108	8	135°	41mm	148mm	167mm	42mm
120410109	9	135°	41mm	157.6mm	177mm	43mm

#### CEMENTED KORUS STANDARD NECK

REF	SIZE	CCD (A)	NECK LENGTH (B)	STEM LENGTH (C)	STEM LENGTH (E)	OFFSET (D)
120430001	1	135°	41mm	107.7mm	127mm	37mm
120430002	2	135°	41mm	118mm	137mm	38mm
120430003	3	135°	41mm	122.7mm	142mm	38.5mm
120430004	4	135°	41mm	128mm	147mm	39.5mm
120430005	5	135°	41mm	132.9mm	152mm	40mm
120430006	6	135°	41mm	137.7mm	157mm	40.5mm
120430007	7	135°	41mm	143mm	162mm	41.5mm
120430008	8	135°	41mm	148mm	167mm	42mm
120430009	9	135°	41mm	157.6mm	177mm	43mm

#### BIOLOX® DELTA FEMORAL HEAD

REF	TAPER	DIAMETER	NECK	R. I. C.
110240205	12/14	28mm	S	-3.5mm
110240210	12/14	28mm	M	0mm
110240215	12/14	28mm	L	+3.5mm
110240305	12/14	32mm	S	-4.0mm
110240310	12/14	32mm	M	0mm
110240315	12/14	32mm	L	+4.0mm
110240320	12/14	32mm	XL	+7.0mm
110240405	12/14	36mm	S	-4.0mm
110240410	12/14	36mm	M	0mm
110240415	12/14	36mm	L	+4.0mm
110240420	12/14	36mm	XL	+8.0mm
110240505*	12/14*	40mm*	S*	-4.0mm*
110240510*	12/14*	40mm*	M*	0mm*
110240515*	12/14*	40mm*	L*	+4.0mm*
110240520*	12/14*	40mm*	XL*	+8.0mm*

#### FEMORAL HEADS CRCO

REF	TAPER	DIAMETER	NECK	R. I. C.
110210105.E	12/14	28mm	S	-3.5mm
110210110.E	12/14	28mm	M	0mm
110210115.E	12/14	28mm	L	+3.5mm
110210120.E	12/14	28mm	XL	+7.0mm
110210125.E	12/14	28mm	XXL	+11.0mm
110220105.E	12/14	32mm	S	-4.0mm
110220110.E	12/14	32mm	M	0mm
110220115.E	12/14	32mm	L	+4.0mm
110220120.E	12/14	32mm	XL	+7.0mm
110367705	12/14	36mm	S	-4.0mm
110367710	12/14	36mm	M	0mm
110367715	12/14	36mm	L	+4.0mm
110367720	12/14	36mm	XL	+8.0mm

#### UNCEMENTED KORUS VARUS NECK

REF	SIZE	CCD (A)	NECK LENGTH (B)	STEM LENGTH (C)	STEM LENGTH (E)	OFFSET (D)
120410201	1	125°	42mm	107.3mm	127mm	44mm
120410202	2	125°	42mm	117.5mm	137mm	45mm
120410203	3	125°	42mm	122.3mm	142mm	45.5mm
120410204	4	125°	42mm	127.5mm	147mm	46.5mm
120410205	5	125°	42mm	132.4mm	152mm	47mm
120410206	6	125°	42mm	137.2mm	157mm	47.5mm
120410207	7	125°	42mm	142.5mm	162mm	48.5mm
120410208	8	125°	42mm	147.3mm	167mm	49mm
120410209	9	125°	42mm	157mm	177mm	50mm

#### CEMENTED KORUS VARUS NECK

REF	SIZE	CCD (A)	NECK LENGTH (B)	STEM LENGTH (C)	STEM LENGTH (E)	OFFSET (D)
120430011	1	125°	42mm	107.3mm	127mm	44mm
120430012	2	125°	42mm	117.5mm	137mm	45mm
120430013	3	125°	42mm	122.3mm	142mm	45.5mm
120430014	4	125°	42mm	127.5mm	147mm	46.5mm
120430015	5	125°	42mm	132.4mm	152mm	47mm
120430016	6	125°	42mm	137.2mm	157mm	47.5mm
120430017	7	125°	42mm	142.5mm	162mm	48.5mm
120430018	8	125°	42mm	147.3mm	167mm	49mm
120430019	9	125°	42mm	157mm	177mm	50mm

#### STAINLESS STEEL FEMORAL HEAD

REF	TAPER	DIAMETER	NECK	R. I. C.
110205105.E	12/14	28mm	S	-3.5mm
110205110.E	12/14	28mm	M	0mm
110205115.E	12/14	28mm	L	+3.5mm
110205120.E	12/14	28mm	XL	+7.0mm
110205125.E	12/14	28mm	XXL	+11.0mm

\* Upon request



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