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Ceramic Femoral Head

- Solid, preeminent wear resistance
- Excellent wettability and lubrication
- Excellent biocompatibility, lowest tissue reaction by ceramic particles, effectively reduce the wear debris and osteolysis
- Strong corrosion resistance, stable performance
- No metal ions released in the human body
- No adverse tissue reaction, no allergic reaction

Name	Material	Size
Ceramic Femoral Head	High purity alumina based ceramics	285
		28M
		28L



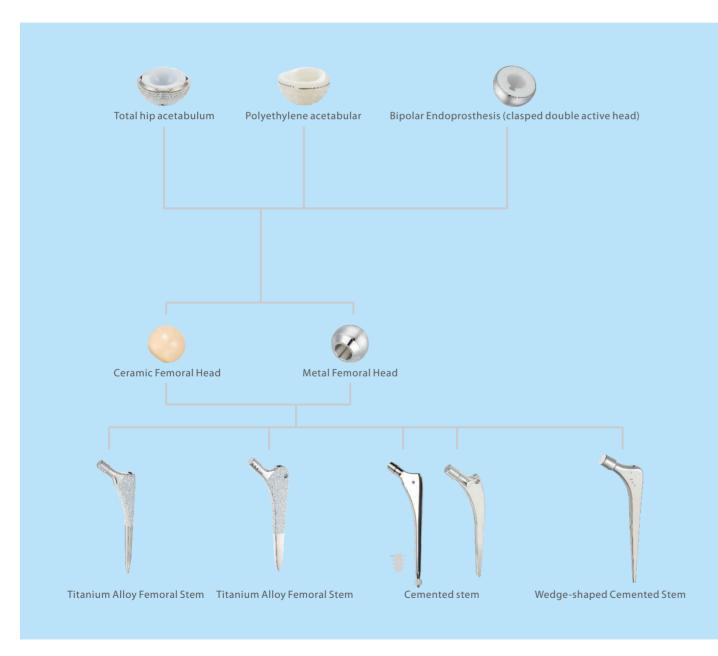
The hip joint series

The hip joint series

Three outstanding advantages of ceramic joint:

Super wear resistance, excellent biocompatibility, super smooth surface processing

- The first registered enterprise of ceramic hip joint in China
- imported ultra-high molecular weight polyethylene and high purity alumina based ceramics
- precision manufacturing by International advanced processing equipment, surfacing by vacuum plasma spraying technology
- Professional surgical instruments ensure operation quality and postoperative recovery





Metal Femoral Head

- head surface mirror polished, high hardness, low wear, improve the life of the prosthesis; • The inner cone adopts international universal 12/14 standard self-locking design, firmly combined with prosthesis stem.

Metal Femoral Head

- reducing the interface wear
- - firmly combined with prosthesis stem.
 - Variety of specifications meets clinical requirement

Unipolar Endoprosthesis (hemi hip active head)

- Precision machining with cobalt chromium molybdenum alloy materials
- The narrow ring in basal part of neck section reduces the barrier between the neck and acetabulum, expand the activity range of the hip joint, and reduce incidence of dislocation Variety of specifications meets clinical requirement

Material	Size
	245
	24M
Cobalt chromium	24L
molybdenum alloy	285
	28M
	28L
	28XL

Unipolar Endoprosthesis(hemi hip active head)

- Specialized femoral stem prosthesis for total hip replacement
- Processed with cobalt chromium molybdenum alloy bar, ball head surfacing polish,
- The inner cone adopts international universal 12/14 standard self-locking design,

Material	Size
	38
	40
	42
	44
Cobalt chromium molybdenum alloy	46
	48
	50
	52
	54



Name	Material	Size
		38/24
		40/24
		42/24
Bipolar	Stainless Steel + UHMWPE (ultra high molecular weight polyethylene)	44/24
Endoprosthesis		46/28
(clasped double active head)		48/28
		50/28
		52/28
		54/28
		56/28

Clamping ring locking structure, convenient installation and extraction of inner lining

Bipolar Endoprosthesis (clasped double active head)

• Double interface rotation, increase the activity of prosthesis

Polyethylene acetabular

The groove of the outer spherical surface increases the contact of prosthesis and bone cement, and effectively enhances the stability of the prosthesis
Bulged platform in the top ensures uniformity and identity of distribution of cement layer.
High edge anti dislocation design, with the development of medical stainless steel wire positioning

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Name	Material	Size
		42/28
		44/28
	Stainless Steel + UHMWPE (ultra high molecular weight polyethylene)	46/28
Polyethylene acetabular		48/28
Folyetilylelle acetabulai		50/28
		52/28
		54/28
		56/28

Total hip acetabulum

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Porous surfacing technology with hydroxyapatite coating, improve biocompatibility of the prosthesis and effectively induce bone ingrowth
3 screw holes on the surface of acetabulum, variaty selection for screw fixation
Cone pressure locking design, CAM technology and advanced processing technology ensure the stability of the inner lining
Multi position adjustment of high edge anti dislocation of acetabular lining

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Name	Material	Size
-	42/24	
		44/24
		46/24
	Cobalt chromium molybdenum alloy	48/28
Fotal hip acotabulum	+ UHMWPE (ultra high molecular weight polyethylene)	50/28
(ultra high molecular		52/28
		54/28
		56/28
		58/28
	60/28	

Titanium Alloy Femoral Stem

- No collar design
- performance, ensuring the early stability
- proximal end of the diaphysis, to avoid stress concentration
- The length of the stem is designed into sthmian of the medullary cavity, to enhance the media-distal fixation. • High polished collar area, minimize the impact wear
- prosthesis and effectively induce bone ingrowth

Name	Material	Size	Distal long	long
		01	7	129
		0	8	133
		1	9	137
Titanium Alloy Femoral Stom	Titanium Alloy	2	10	141
Titanium Alloy Femoral Stem		3	11	145
		4	12	149
		5	13	153
		6	14	158

• Force line of prosthesis stem and the anatomic axis of femoral medullary cavity perfectly match

• A variety of models, domestic human bone coverage rate reach 95%

• The proximal three-dimensional wedge section structure ensures the maximal matching of proximal joint prosthesis and medullary cavity • The proximal end of the coronal plane, sagittal plane and transverse section are designed

in wedge shape, offering to the prosthesis excellent anti sinking and anti rotation

• three-dimensional wedge shape design, making the stress evenly transmitted to the

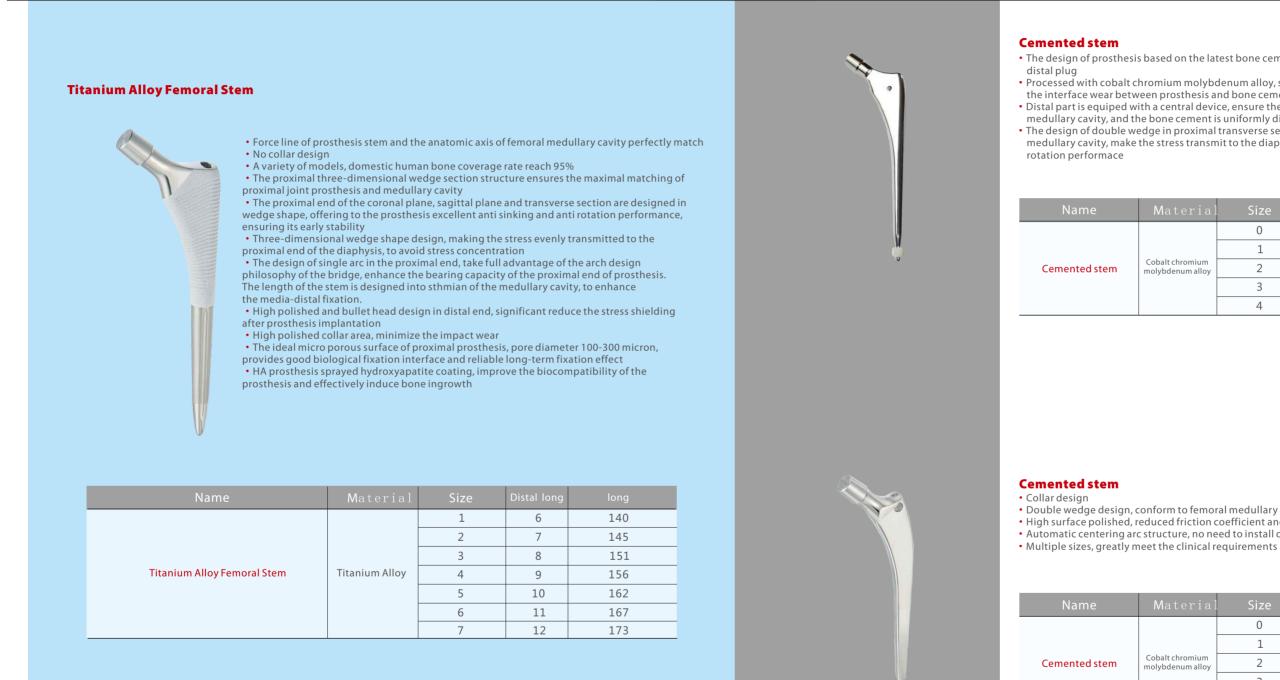
• The design of single arc in the proximal end, take full advantage of the arch design

philosophy of the bridge, enhance the bearing capacity of the proximal end of prosthesis.

• The ideal micro porous surface of proximal prosthesis, pore diameter 100-300 micron,

provides good biological fixation interface and reliable long-term fixation effect

• HA prosthesis sprayed hydroxyapatite coating, improve the biocompatibility of the



• The design of prosthesis based on the latest bone cement technology, equiped with

• Processed with cobalt chromium molybdenum alloy, surfacing mirror polish, minimize the interface wear between prosthesis and bone cement

• Distal part is equiped with a central device, ensure the prosthesis is in the center of the medullary cavity, and the bone cement is uniformly distributed around the prosthesis • The design of double wedge in proximal transverse section, perfectly match the proximal medullary cavity, make the stress transmit to the diaphysis, and provide good anti

Material	Size	Distal long	long
Cobalt chromium molybdenum alloy	0	5	135
	1	5.5	140
	2	6	145
	3	6.5	150
	4	7	155

• Double wedge design, conform to femoral medullary cavity • High surface polished, reduced friction coefficient and reduced bone cement grinding • Automatic centering arc structure, no need to install distal center device

Material	Size	Distal long	long
	0	5.5	136.5
	1	6.5	137
Cobalt chromium molybdenum alloy	2	7.5	138
	3	8.5	138.5
	4	9	139

The hip joint series

Wedge-shaped Cemented Stem

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Features

1/High surface polished, reduced friction coefficient and reduced bone cement grinding

2/Double wedge stem design, contribute to the transmission and dispersion of stress

3/No collar design, convenient to adjust the position of the stem during operation, allowing further sinking to achieve excellent fixation by strength limit

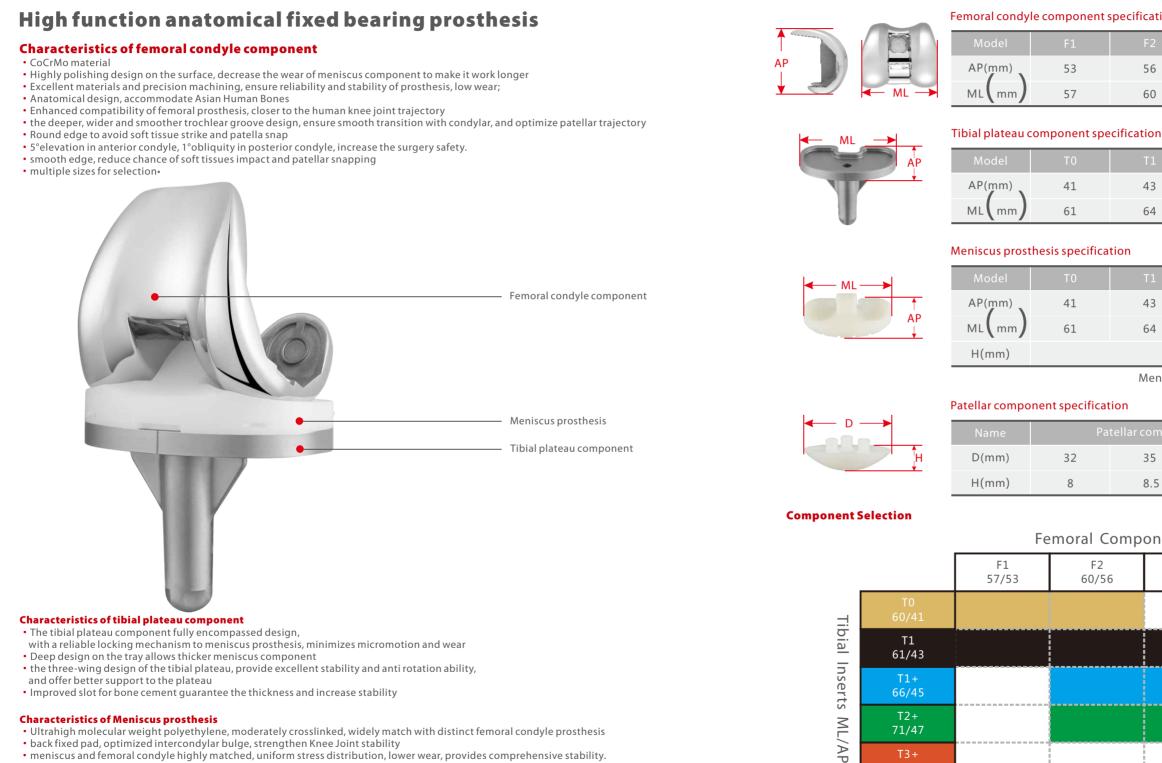
4/Unique central device design, ensure uniform coverage of bone cement, and avoid direct contact between distal end of the stem and bone cement



66/45 T2+

71/47

76/51



Characteristics of Meniscus prosthesis

and offer better support to the plateau

- Ultrahigh molecular weight polyethylene, moderately crosslinked, widely match with distinct femoral condyle prosthesis
- back fixed pad, optimized intercondylar bulge, strengthen Knee Joint stability

• Improved slot for bone cement guarantee the thickness and increase stability

- meniscus and femoral condyle highly matched, uniform stress distribution, lower wear, provides comprehensive stability. At the same time, reduce the influence on joint activity.
- Cutting design in the front, protect the soft tissue and avoid damaging patellar ligament.

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F2	F3	F4	F5
56	59	61	65
60	63	66	71

T1	T1+	T2+	T3+
43	45	47	51
64	67	71	76

T1	T1+	T2+	T3+
43	45	47	51
64	66	71	76
8、10、12.5、15			

Meniscus Component size is same as Tibia Component

ellar component			
35	38		
8.5	9		

Femoral Component ML/AP

F3 63/59	F4 66/61	F5 71/65

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