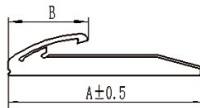


Straight and Offset
Extension Stem
(Titanium Alloy)

ACCK Extension Stem

Type	Cat. No.	Description	LengthxDia. (mm)
Straight	7403-8008	Name: ACCK Extension Stem	80 x 8
	7403-8010		80 x 10
	7403-8012		80 x 12
	7404-8014		80 x 14
	7404-8016		80 x 16
	7404-8018	Regularly Supplied	80 x 18
	7403-1208		120 x 8
	7403-1210	Material: Titanium Alloy	120 x 10
	7403-1212		120 x 12
	7404-1214		120 x 14
	7404-1216		120 x 16
	7404-1218		120 x 18
Offset	7405-8008	Name: ACCK Extension Stem	80 x 8
	7405-8010		80 x 10
	7405-8012		80 x 12
	7405-8014		80 x 14
	7405-8016		80 x 16
	7405-8018	Regularly Supplied	80 x 18
	7405-1208		120 x 8
	7405-1210	Material: Titanium Alloy	120 x 10
	7405-1212		120 x 12
	7405-1214		120 x 14
	7405-1216		120 x 16
	7405-1218		120 x 18

ACCK Locking Clip



Size	Cat.No.	A	B
S	7802-0001	45.5	18.5
M	7802-0002	49	20



Distal Femoral Augment

Size Ref.	Cat. No.	Description	Thickness (mm)
1#5mm	7604-1005	Name: Distal Femoral Augment	5
1#10mm	7604-1010		10
2#5mm	7604-2005		5
2#10mm	7604-2010		10
3#5mm	7604-3005		5
3#10mm	7604-3010	Regularly Supplied	10
4#5mm	7604-4005		5
4#10mm	7604-4010	Material: Titanium Alloy	10
5#5mm	7604-5005		5
5#10mm	7604-5010		10



Posterior Femoral Augment

Size Ref.	Cat. No.	Description	Thickness (mm)
1#5mm	7605-1005	Name: Posterior Femoral Augment	5
1#10mm	7605-1010		10
2#5mm	7605-2005		5
2#10mm	7605-2010		10
3#5mm	7605-3005		5
3#10mm	7605-3010	Regularly Supplied	10
4#5mm	7605-4005		5
4#10mm	7605-4010	Material: Titanium Alloy	10
5#5mm	7605-5005		5
5#10mm	7605-5010		10



Tibial Augment

Size Ref.	Cat. No.	Description	Thickness (mm)
A 5mm	7703-1005	Name: Tibial Augment	5
A 10mm	7703-1010		10
B 5mm	7703-1505		5
B 10mm	7703-1510		10
C 5mm	7703-2005		5
C 10mm	7703-2010	Regularly Supplied	10
D 5mm	7703-2505		5
D 10mm	7703-2510	Material: Titanium Alloy	10
E 5mm	7703-3005		5
E 10mm	7703-3010		10

Hip System

AK Femoral Stem

AK-ML-TP Femoral Stem

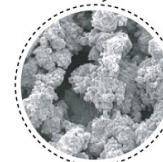
- Tapered Wedge design provides firm mediolateral stability within the femoral canal;
- Both 127 and 132 of Neck Shaft Angle are available;
- 24 sizes full length stem available in full profile and reduced distal options;
- Polished Anterior-Posterior Neck Flats increase ROM by geometrically reducing the potential for impingement of the neck with the cup;
- Flat Tapered Wedge Geometry Enhances proximal offloading and bone preservation and provides for rotational stability;
- Reduced Distal Transition Enhances implant fit in femoral canals with a proximal distal mismatch.



Tapered design provides maximum
bone preservation



127 and 132 degree of
neck shaft angle

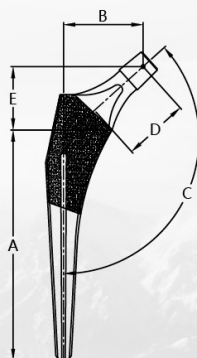


Proximal coating:
Titanium Plasma Spray

ML-TP Femoral Stem

AK-ML-TP Femoral Stem (127°)

Size Ref.	Cat. No.	Description	Neck Shaft Angle (C)	Stem Length (A)	Offset (B)	Neck Length (D)	Neck Height (E)	Distal Dia.
1#	1100-3801	Name: AK-ML-TP Femoral Stem (127°)	127°	110	39	31	27	5
2#	1100-3802			115	40	31	27	7.5
2.5#	1100-3825			118	41	31	27	9
3#	1100-3803			120	45	36	30	10
3.5#	1100-3835	Customized Supplied		124	46	36	30	11
4#	1100-3804	Material: Titanium Alloy		125	47	36	30	12.5
4.5#	1100-3845			129	48	36	30	13.5
5#	1100-3805	Surface Coating: Ti plasma spray		130	50	38	31	15
5.5#	1100-3855			133	50	38	31	16.5
6#	1100-3806	Taper: 12/14		135	51	38	31	17.5
7#	1100-3807			140	54	41	33	20
8#	1100-3808			145	56	41	33	22.5



AK-ML-TP Femoral Stem (132°)

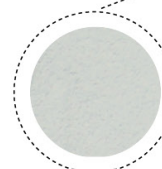
Size Ref.	Cat. No.	Description	Neck Shaft Angle (C)	Stem Length (A)	Offset (B)	Neck Length (D)	Neck Height (E)	Distal Dia.
1#	1100-2801	Name: AK-ML-TP Femoral Stem (132°) Regularly Supplied Material: Titanium Alloy Surface Coating: Ti plasma spray Taper: 12/14	132°	110	36	31	30	5
2#	1100-2802			115	37	31	30	7.5
2.5#	1100-2825			118	38	31	30	9
3#	1100-2803			120	42	36	33	10
3.5#	1100-2835			124	42	36	33	11
4#	1100-2804			125	43	36	34	12.5
4.5#	1100-2845			129	44	36	34	13.5
5#	1100-2805			130	45	38	35	15
5.5#	1100-2855			133	46	38	35	16.5
6#	1100-2806			135	47	38	35	17.5
7#	1100-2807			140	50	41	37	20
8#	1100-2808			145	51	41	37	22.5

AK-ML-TH Femoral Stem

- Proximal Coating: Titanium Plasma Spray + HA Coating;
- Tapered Wedge design provides firm mediolateral stability within the femoral canal;
- Both 127 and 132 of Neck Shaft Angle are available;
- 24 sizes full length stem available in full profile and reduced distal options;
- Polished Anterior-Posterior Neck Flats increase ROM by geometrically reducing the potential for impingement of the neck with the cup;
- Flat Tapered Wedge Geometry Enhances proximal offloading and bone preservation and provides for rotational stability;
- Reduced Distal Transition Enhances implant fit in femoral canals with a proximal distal mismatch.



Tapered design provides maximum bone preservation



Proximal coating: Titanium Plasma Spray and Hydroxyapatite Coating

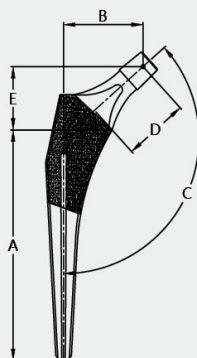


127 and 132 degree of neck shaft angle

ML-TH Femoral Stem

AK-ML-TH Femoral Stem(127°)

Size Ref.	Cat. No.	Description	Neck Shaft Angle (C)	Stem Length (A)	Offset (B)	Neck Length (D)	Neck Height (E)	Distal Dia.
1#	1100-3201	Name:AK-ML-TH Femoral Stem(127°)	127°	110	39	31	27	5
2#	1100-3202			115	40	31	27	7.5
2.5#	1100-3225			118	41	31	27	9
3#	1100-3203			120	45	36	30	10
3.5#	1100-3235	Customized Supplied		124	46	36	30	11
4#	1100-3204	Material: Titanium Alloy		125	47	36	30	12.5
4.5#	1100-3245			129	48	36	30	13.5
5#	1100-3205	Surface Coating: Ti+HA plasma spray		130	50	38	31	15
5.5#	1100-3255			133	50	38	31	16.5
6#	1100-3206	Taper: 12/14		135	51	38	31	17.5
7#	1100-3207			140	54	41	33	20
8#	1100-3208			145	56	41	33	22.5

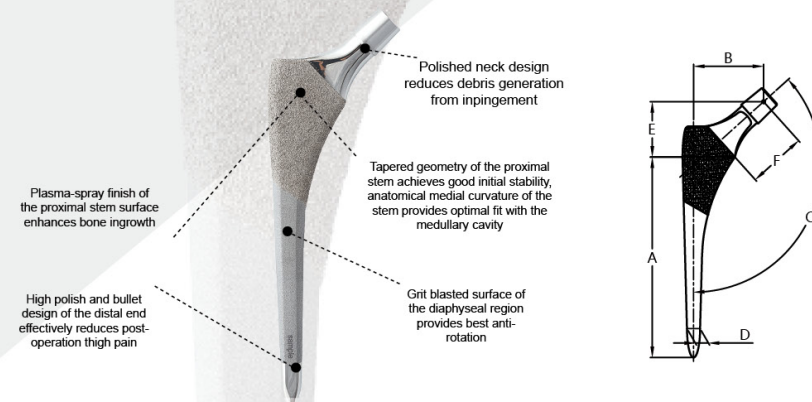


AK-ML-TH Femoral Stem(132°)

Size Ref.	Cat. No.	Description	Neck Shaft Angle (C)	Stem Length (A)	Offset (B)	Neck Length (D)	Neck Height (E)	Distal Dia.
1#	1100-3301	Name:AK-ML-TH Femoral Stem(132°)	132°	110	36	31	30	5
2#	1100-3302			115	37	31	30	7.5
2.5#	1100-3325			118	38	31	30	9
3#	1100-3303			120	42	36	33	10
3.5#	1100-3335	Regulatory Supplied		124	42	36	33	11
4#	1100-3304	Material: Titanium Alloy		125	43	36	34	12.5
4.5#	1100-3345			129	44	36	34	13.5
5#	1100-3305	Surface Coating: Ti+HA plasma spray		130	45	38	35	15
5.5#	1100-3355			133	46	38	35	16.5
6#	1100-3306	Taper: 12/14		135	47	38	35	17.5
7#	1100-3307			140	50	41	37	20
8#	1100-3308			145	51	41	37	22.5

AK-MP-TP Femoral Stem

- MP stem is cementless designs developed following the classic tapered stem philosophy;
- Polished bullet-shape distal tip reduces distal stresses;
- MP stem is precision manufactured from high-strength forged titanium alloy and incorporate a 3-degree biplanar taper;
- Each stem has a medially rounded, laterally flared, proximal cross-sectional geometry that has been refined for optimal fit and fill and rotational stability.

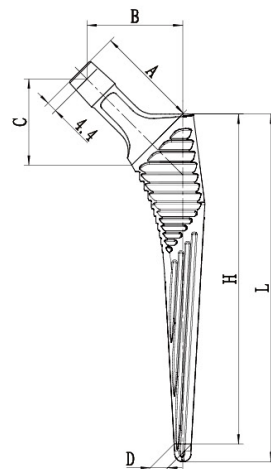


AK-MP-TP Femoral Stem(132°)

Size Ref.	Cat. No.	Description	Neck Shaft Angle (C)	Stem Length (A)	Offset (B)	Neck Length (F)	Neck Height (E)	Distal Dia (D)
7#	1100-2007	Name:AK-MP-TP Femoral Stem(132°)	132°	110	39	33	31	7
8#	1100-2008			115	39	33	31	8
9#	1100-2009			120	40	33	32	9
10#	1100-2020	Material: Titanium Alloy		130	40	33	32	10
11#	1100-2011			130	42	35	34	11
12#	1100-2012	Surface Coating: Ti. plasma spray Taper: 12/14		140	44	37	35	12
13#	1100-2013			150	45	38	36	13
14#	1100-2014			150	45	39	37	14

AK-CL-TH Femoral Stem

- The CL stem gives primary mechanical stability with good optimum filling;
- Low-profile lateral shoulder design enables easy insertion in reduced incision techniques, especially the anterior approach;
- Double Coated stem with 50 µm pure titanium and 150 µm HA coating;
- CL hip system is manufactured from forged titanium alloy (Ti-6Al-4V) ensuring high fatigue resistance and biocompatibility;
- The double taper trapezoidal design resists axial and torsional displacement providing excellent stability;
- Metaphyseal flare ensures maximum fixation and load transfer into the proximal femur.



AK-CL-TH Femoral Stem(135°)

Size Ref.	Cat. No.	Description	Neck Shaft Angle	Neck Length (A)	Offset (B)	Neck Height (C)	Distal Dia. (D)	Stem Length (H)	Stem Length (L)
1#	1100-4201	Name:AK-CL-TH Femoral Stem(135°)	135°	35	31.8	30.3	5.4	109	115
2#	1100-4202			38	35.0	32.3	5.7	124	130
3#	1100-4203			41	38.1	34.5	6.6	134	140
4#	1100-4204	Regularly Supplied		41	38.6	34.5	7.2	138	145
5#	1100-4205			41	39.6	34.5	8.6	143	150
6#	1100-4206	Material: Titanium Alloy		41	40.1	34.5	9.2	147	155
7#	1100-4207			41	40.6	34.5	9.5	153	160
8#	1100-4208			41	41.6	34.5	10.9	158	165
9#	1100-4209	Surface Coating: HA plasma spray		41	42.1	34.5	11.5	162	170
10#	1100-4210	Taper: 12/14		41	43.1	34.5	12.4	172	180
11#	1100-4211			41	44.1	34.5	13.4	181	190

AK-SL-Cone Femoral Stem

- Uncemented fixation based on the positive experience with the SL Revision Stem;
- CCD-angle of 125° and 135°;
- Conical shape with a cone angle of 5°;
- 8 Sharp longitudinal ribs;
- Free setting of antetorsion;
- Titanium alloy with a rough blasted surface (ProtasulTM-100);
- Stem Diameter from Φ 13 mm to Φ 23 mm;
- Designed for difficult bone conditions at the proximal end of the femur;
- Deformities of the femurs in which fixation of a standard prosthesis is difficult;
- Simple Revisions.

AK-SL-Cone Femoral Stem(125°)

Size Ref.	Cat. No.	Description	Neck Shaft Angle	Rib Height (E)	Distal Dia. (F)	Stem Dia. (D)	Offset (B)	Stem Length (C)
0#	1100-2900	Name:AK-SL-Cone Femoral Stem(125°)	125°	1	6.2	13	28	115
1#	1100-2901			1	6.4	14	32	125
2#	1100-2902			1	7.4	15	33	125
3#	1100-2903			Regularly Supplied	1.5	8.5	16	33
4#	1100-2904	1.5			9.5	17	34	125
5#	1100-2905	Material: Titanium Alloy		1.5	10.5	18	35	125
6#	1100-2906			2	11.6	19	36	125
7#	1100-2907	Surface Coating: Grit-blasted		2	12.6	20	37	125
8#	1100-2908			2	13.7	21	38	125
9#	1100-2909	Taper: 12/14		2	14.8	22	38	125
10#	1100-2910		2.5	15.8	23	39	125	

AK-SL-Cone Femoral Stem(135°)

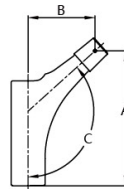
Size Ref.	Cat. No.	Description	Neck Shaft Angle	Rib Height (E)	Distal Dia. (F)	Stem Dia. (D)	Offset (D)	Stem Length (C)
11#	1100-2911	Name:AK-SL-Cone Femoral Stem(135°) Regularly Supplied Material: Titanium Alloy Surface Coating: Grit-blasted Taper: 12/14	135°	1	6.2	13	26	115
12#	1100-2912			1	6.4	14	30	125
13#	1100-2913			1	7.4	15	30	125
14#	1100-2914			1.5	8.5	16	31	125
15#	1100-2915			1.5	9.5	17	32	125
16#	1100-2916			1.5	10.5	18	33	125
17#	1100-2917			2	11.6	19	33	125
18#	1100-2918			2	12.6	20	34	125
19#	1100-2919			2	13.7	21	35	125
20#	1100-2920			2	14.8	22	35	125
21#	1100-2921			2.5	15.8	23	36	125

AK-MR Femoral Stem

- AK-MR Stem provides the opportunity to treat wide variances in patient anatomy, and allowing extensive fixation in the femur, this design philosophy in femoral revision surgery has been impressive. These results show the favorable remodeling of proximal femoral bone stock when excessive bone loss was present;
- AK-MR Stem were designed to achieve secure distal fixation in the femur using a sharply splined and tapered distal stem;
- The tapered distal stem is designed to wedge into the femoral medullary canal, transferring axial and bending forces, while the splines are press-fit into the bone to provide rotational stability;
- A bevel at the distal end of the stem is a design feature intended to increase the ease of insertion, to better accommodate the bow of the femur, and decrease the potential for distal femoral cortical perforation;
- Multiple sizes in each body type allow for metaphyseal filling, proximal fixation, and proximal support of the prosthesis.

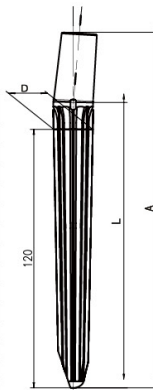
AK-MR Proximal Femoral Stem

Size Ref.	Cat. No.	Description	Neck Shaft Angle (C)	Proximal Stem Length (A)	Offset(B)
1#	1100-2501	Name:AK-MR Proximal Femoral Stem Regularly Supplied Material: Titanium Alloy Surface: Grit-blasted Taper: 12/14	132°	50	40
2#	1100-2502			60	40
3#	1100-2503			70	40
4#	1100-2504			80	40
5#	1100-2505			90	40
6#	1100-2506			100	40
7#	1100-2507			110	40



AK-MR Distal Femoral Stem

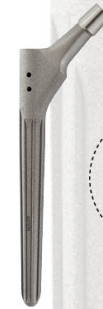
Size Ref.	Cat. No.	Description	ECC Angle	Stem Dia. (D)	Distal Stem Length (L)
Φ14×165	1300-1414	Name:AK-MR Distal Femoral Stem Regularly Supplied Material: Titanium Alloy Surface: Grit-blasted Taper: 12/14	4°	14	132
Φ14×225L	1300-1420L			14	192
Φ15×165	1300-1514			15	132
Φ15×225L	1300-1520L			15	192
Φ16×165	1300-1614			16	132
Φ16×225L	1300-1620L			16	192
Φ17×165	1300-1714			17	132
Φ17×225L	1300-1720L			17	192
Φ18×165	1300-1814			18	132
Φ18×225L	1300-1820L			18	192
Φ19×165	1300-1914			19	132
Φ19×225L	1300-1920L			19	192
Φ20×165	1300-2014			20	132
Φ20×225L	1300-2020L			20	192
Φ22×165	1300-2214			22	132
Φ22×225L	1300-2220L			22	192



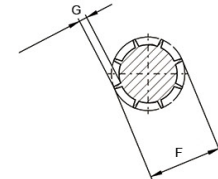
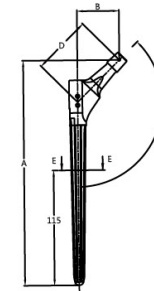
8 longitudinal ribs ensure the anti-rotational stability

AK-SL Femoral Stem

- Guaranteed distal fixation in used of Wagner principle;
- AK-SL stem designed for uncemented fixation in femoral revision surgery. A 2° tapered stem with a circular cross-section, the AK-SL can be placed in any version by the surgeon;
- AK-SL stem has 8 longitudinal ribs with relatively sharp ridges that are intended to engage the femoral cortex, thus enabling optimum rotational stability;
- AK-SL Stem length along with the secure fit of the taper design and the torsionally resistant ribs provide firm fixation to the healthy bone distal to the original prosthetic bed.



8 longitudinal ribs ensure the anti-rotational stability

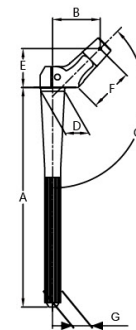
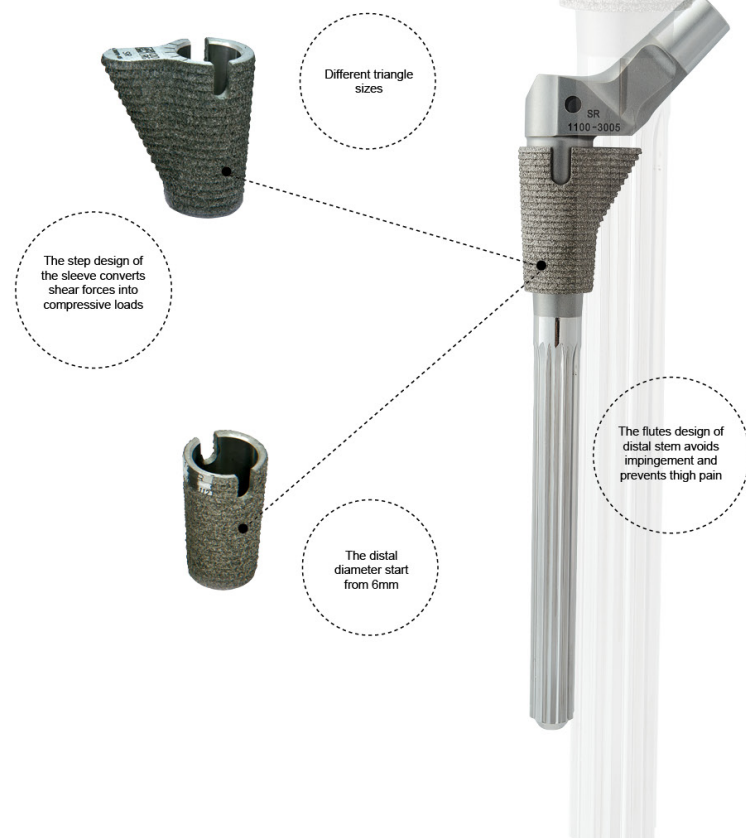


AK-SL Femoral Stem

Size Ref.	Cat. No.	Description	Neck Shaft Angle (C)	Stem Length (A)	Offset (B)	Stem Dia. (E)	Neck Length (D)	Distal Dia. (F)	Rib Height (G)
23#	1100-2923	Name:AK-SL Femoral Stem Material: Titanium Alloy Regularly Supplied Surface Coating: Grit-blasted Taper: 12/14	135°	190	42	14	59	10.3	1
24#	1100-2924			190	42	15	59	11.3	1.2
25#	1100-2925			190	42	16	59	12.3	1.3
26#	1100-2926			190	42	17	59	13.3	1.5
27#	1100-2927			190	44	18	62	14.4	1.6
28#	1100-2928			190	44	19	62	15.4	2
29#	1100-2929			190	44	20	62	16.4	2
32#	1100-2932			225	42	14	59	10.3	1
33#	1100-2933			225	42	15	59	11.3	1.2
34#	1100-2934			225	42	16	59	12.3	1.3
35#	1100-2935			225	42	17	59	13.3	1.5
36#	1100-2936			225	44	18	62	14.4	1.6
37#	1100-2937			225	44	19	62	15.4	2
38#	1100-2938			225	44	20	62	16.4	2
39#	1100-2939			225	44	21	62	17.4	2
40#	1100-2940			225	46	22	65	18.4	2

AK-SR Femoral Stem

- AK-SR is modular and therefore very versatile, it provides a single system approach to Primary THR, Complex primary (DDH), Revision, Tumours;
- Coronal slot design reduces distal stiffness of stem and reduces effect of modulus mismatch, the design also reduces incidence of thigh pain /fracture;
- Calcar replacement allows treatment of bone loss to below the level of the lesser trochantery;
- AK-SR Stem length along with the secure fit of the taper design and the torsionally resistant ribs provide firm fixation to the healthy bone distal to the original prosthetic bed.



AK-SR Femoral Stem

Size Ref.	Cat. No.	Description	Neck Shaft Angle (C)	Stem Length (A)	Proximal Dia. (D)	Offset (B)	Neck Height (E) x Length (F)	Distal Dia. (G)
0#	1100-3000	Name: AK-SR Femoral Stem Material: Titanium Alloy Regularly Supplied Surface: Grit-blasted Taper: 12/14	135°	117.5	12	33	27 x 30	6
1#	1100-3001			117.5	12	33	27 x 30	7
2#	1100-3002			132.5	14	33	27 x 30	8
3#	1100-3003			132.5	14	33	27 x 30	9
4#	1100-3004			152.5	16	33	27 x 30	10
5#	1100-3005			152.5	16	33	27 x 30	11
6#	1100-3006			162.5	18	33	27 x 30	12
7#	1100-3007			162.5	18	33	27 x 30	13
8#	1100-3008			167.5	20	33	27 x 30	14
9#	1100-3009			167.5	20	33	27 x 30	15
10#	1100-3010			162.5	18	37	31 x 36	12
11#	1100-3011			162.5	18	37	31 x 36	13
12#	1100-3012			167.5	20	37	31 x 36	14
13#	1100-3013			167.5	20	37	31 x 36	15
14#	1100-3014			167.5	22	37	31 x 36	16
15#	1100-3015			167.5	22	37	31 x 36	17

The size of AK-SR Femoral Stem's Proximal Diameter (D) is matched with the AK-SR Femoral Stem Sleeve's Size Reference.

AK-SR Proximal Sleeve

Size Ref.	Cat. No.	Description	Spout (A)	Thickness (B)	Inner Dia. (D)	Height (C)
Φ12A	1301-12A	Name: AK-SR Proximal Sleeve Material: Titanium Alloy Regularly Supplied Surface: Titanium Plasma Spray Taper: 12/14	—	1.5	12	28
Φ12SB	1301-12SB		9.5	1.5	12	28
Φ12LB	1301-12LB		13.5	2.5	12	28
Φ12SD	1301-12SD		9.5	1.5	12	28
Φ12LD	1301-12LD		13.5	2.5	12	28
Φ14A	1301-14A		—	1.5	14	32.5
Φ14SB	1301-14SB		9.5	1.5	14	32.5
Φ14LB	1301-14LB		13.5	2.5	14	32.5
Φ14SD	1301-14SD		9.5	1.5	14	32.5
Φ14LD	1301-14LD		13.5	2.5	14	32.5
Φ16A	1301-16A		—	1.5	16	35.5
Φ16SB	1301-16SB		9.5	1.5	16	35.5
Φ16LB	1301-16LB		13.5	2.5	16	35.5
Φ16SD	1301-16SD		9.5	1.5	16	35.5
Φ16LD	1301-16LD		13.5	2.5	16	35.5
Φ18SB	1301-18SB		9.5	1.5	18	38.5
Φ18LB	1301-18LB		13.5	2.5	18	38.5
Φ18SD	1301-18SD		9.5	1.5	18	38.5
Φ18LD	1301-18LD		13.5	2.5	18	38.5
Φ20SB	1301-20SB		9.5	1.5	20	41.5
Φ20LB	1301-20LB		13.5	2.5	20	41.5
Φ20SD	1301-20SD		9.5	1.5	20	41.5
Φ20LD	1301-20LD		13.5	2.5	20	41.5
Φ22SB	1301-22SB		9.5	1.5	22	42.5
Φ22LB	1301-22LB		13.5	2.5	22	42.5
Φ22SD	1301-22SD		9.5	1.5	22	42.5
Φ22LD	1301-22LD		13.5	2.5	22	42.5

