



Driving Surgical Quality
and Value Forward



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- U2 PSA REVISION KNEE SYSTEM



- U2 KNEE SYSTEM



- BIPOLAR II – HIP SYSTEM



- DELTA with U2 ACETABULAR XPE



- SPINAL FIXATION SYSTEM



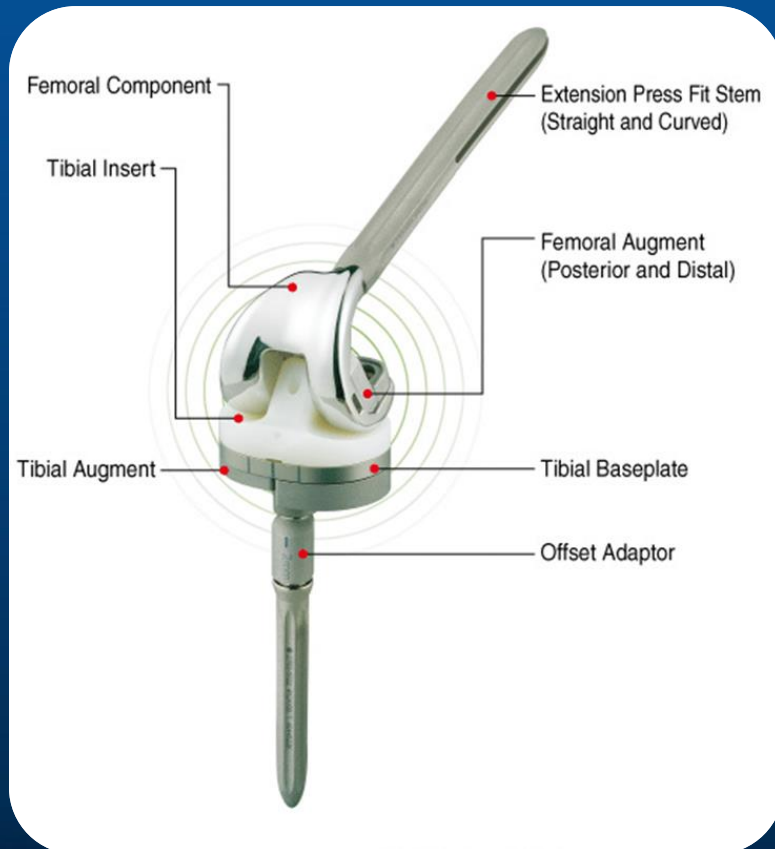
- PEEK CAGE SERIES



- KYPHOPLASTY SYSTEM



U2 PSA – Revision Knee System



1. Co-Cr-Mo Based Material
2. Modular Design
3. Screw Locking Type
4. High Flexion Design
5. Patellar Tracking Extension
6. Tibial Screw Built in Design

The logo for Momentum, featuring a large green 'M' and the word 'Momentum' in blue italicized font.

Femoral Component



- Cobalt Chromium alloy
- 6 sizes (Left/ Right), Cemented
- Extended patella groove for better tracking
- Interchangeable between tibial sizes
- Locking screw for secure extension stem



Tibial Baseplate

- Titanium alloy (Ti-6Al-4V)
- 6 sizes
- Full capture on insert for minimize micro-movement



Tibial Insert



- UHMWPE
- 6 sizes with 7 thicknesses (9, 11, 13, 15, 18, 21, 25 mm)
- Build in metal ring reinforced for against shear force
- Screw locking to secure extension stem

Tibial Augment



- Titanium alloy (Ti-6Al-4V)
- 6 sizes 2 thickness (5,10 mm)
- Screw locking to tibial baseplate

Extension Press Fit Stem (Straight and Curved)



- Titanium alloy (Ti-6Al-4V)
- 3 lengths of straight stem
 - Short stem 30 mm in length diameter 14 mm
 - Long stem (75, 100 mm) with 5 diameters (10, 12, 14, 16, 18 mm)
- 150mm curved open slot distal stem comes in 5 diameters (10, 12, 14, 16, 18 mm)
- Grooves are applied to increase flexibility

Femoral Augment (Posterior and Distal)



1. Titanium alloy (Ti-6Al-4V)
2. 6 sizes
3. Full capture on insert for minimize movement

Offset Adaptor



1. Titanium alloy (Ti-6Al-4V)
2. 2, 4 and 6 mm offset
3. Fits both femoral or tibial component
4. Full range orientation for tibial fibial alignment

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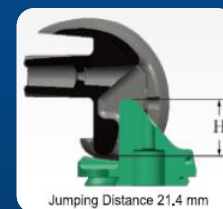


Most Constraints Provide More Stability for Revision



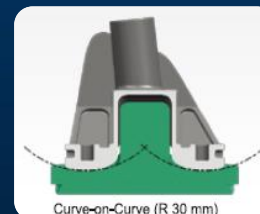
- High flexion design comparable to U2 primary knee
- Maximum Range of Motion (ROM) from 129 degrees to 134 degrees

- Post and Cam early engaged for stability
- Higher jumping distance for better security



- Confined Internal/External (I/E) Rotation to ± 3.7 degrees to emulate natural kinematics
- Restricted varus/valgus lift-off angles to ± 1.4 degrees to increase stability

- Curve-on-Curve design provides better constraint and increases contact surface area to reduce wear

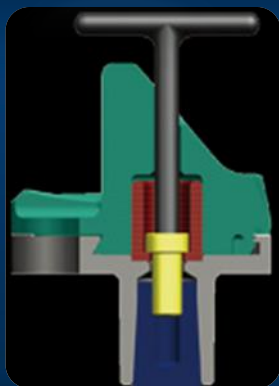


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Features of the U2 PSA Revision Knee System



Femoral Locking Screw secures extension taper with a built-in C ring to prevent the screw from backing out.



Built-in reinforcement bushing and locking screw within the tibial insert extends into the baseplate to provide additional structure support and to against shearing force from the femur. (Patent Applied For)



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U2 PSA Components

Femoral Component



Number	Description
2103-5110	Femoral Component #1 Left
2103-5120	Femoral Component #2 Left
2103-5130	Femoral Component #3 Left
2103-5140	Femoral Component #4 Left
2103-5150	Femoral Component #5 Left
2103-5160	Femoral Component #6 Left

Number	Description
2103-5210	Femoral Component #1 Right
2103-5220	Femoral Component #2 Right
2103-5230	Femoral Component #3 Right
2103-5240	Femoral Component #4 Right
2103-5250	Femoral Component #5 Right
2103-5260	Femoral Component #6 Right



Tibial Baseplate

Number	Description
2203-5210	Tibial Baseplate#1
2203-5220	Tibial Baseplate#2
2203-5230	Tibial Baseplate#3

Number	Description
2203-5240	Tibial Baseplate#4
2203-5250	Tibial Baseplate#5
2203-5260	Tibial Baseplate#6



U2 PSA Components – Tibial Insert

Number	Description		Number	Description		Number	Description	
2303-5011	#1	9mm	2303-5031	#3	9mm	2303-5051	#5	9mm
2303-5012	#1	11mm	2303-5032	#3	11mm	2303-5052	#5	11mm
2303-5013	#1	13mm	2303-5033	#3	13mm	2303-5053	#5	13mm
2303-5014	#1	15mm	2303-5034	#3	15mm	2303-5054	#5	15mm
2303-5015	#1	18mm	2303-5035	#3	18mm	2303-5055	#5	18mm
2303-5016	#1	21mm	2303-5036	#3	21mm	2303-5056	#5	21mm
2303-5017	#1	25mm	2303-5037	#3	25mm	2303-5057	#5	25mm
2303-5018	#1	30mm	2303-5038	#3	30mm	2303-5058	#5	30mm
2303-5021	#2	9mm	2303-5041	#4	9mm	2303-5061	#6	9mm
2303-5022	#2	11mm	2303-5042	#4	11mm	2303-5062	#6	11mm
2303-5023	#2	13mm	2303-5043	#4	13mm	2303-5063	#6	13mm
2303-5024	#2	15mm	2303-5044	#4	15mm	2303-5064	#6	15mm
2303-5025	#2	18mm	2303-5045	#4	18mm	2303-5065	#6	18mm
2303-5026	#2	21mm	2303-5046	#4	21mm	2303-5066	#6	21mm
2303-5027	#2	25mm	2303-5047	#4	25mm	2303-5067	#6	25mm
2303-5028	#2	30mm	2303-5048	#4	30mm	2303-5068	#6	30mm





U2 PSA Components – Femoral Augment Set



Number		Description		
2603-5011	Femoral Augment, Posterior	#1	4mm	
2603-5012	Femoral Augment, Posterior	#1	8mm	
2603-5021	Femoral Augment, Posterior	#2	4mm	
2603-5022	Femoral Augment, Posterior	#2	8mm	
2603-5031	Femoral Augment, Posterior	#3	4mm	
2603-5032	Femoral Augment, Posterior	#3	8mm	
2603-5041	Femoral Augment, Posterior	#4	4mm	
2603-5042	Femoral Augment, Posterior	#4	8mm	
2603-5051	Femoral Augment, Posterior	#5	4mm	
2603-5052	Femoral Augment, Posterior	#5	8mm	
2603-5061	Femoral Augment, Posterior	#6	4mm	
2603-5062	Femoral Augment, Posterior	#6	8mm	

Number		Description		
2603-5111	Femoral Augment, Distal	#1	4mm	L.M/R.L.
2603-5112	Femoral Augment, Distal	#1	8mm	L.M/R.L.
2603-5121	Femoral Augment, Distal	#2	4mm	L.M/R.L.
2603-5122	Femoral Augment, Distal	#2	8mm	L.M/R.L.
2603-5131	Femoral Augment, Distal	#3	4mm	L.M/R.L.
2603-5132	Femoral Augment, Distal	#3	8mm	L.M/R.L.
2603-5141	Femoral Augment, Distal	#4	4mm	L.M/R.L.
2603-5142	Femoral Augment, Distal	#4	8mm	L.M/R.L.
2603-5151	Femoral Augment, Distal	#5	4mm	L.M/R.L.
2603-5152	Femoral Augment, Distal	#5	8mm	L.M/R.L.
2603-5161	Femoral Augment, Distal	#6	4mm	L.M/R.L.
2603-5162	Femoral Augment, Distal	#6	8mm	L.M/R.L.

Number		Description		
2603-5211	Femoral Augment, Distal	#1	4mm	L.L./R.M.
2603-5212	Femoral Augment, Distal	#1	8mm	L.L./R.M.
2603-5221	Femoral Augment, Distal	#2	4mm	L.L./R.M.
2603-5222	Femoral Augment, Distal	#2	8mm	L.L./R.M.
2603-5231	Femoral Augment, Distal	#3	4mm	L.L./R.M.
2603-5232	Femoral Augment, Distal	#3	8mm	L.L./R.M.

Number		Description		
2603-5241	Femoral Augment, Distal	#4	4mm	L.L./R.M.
2603-5242	Femoral Augment, Distal	#4	8mm	L.L./R.M.
2603-5251	Femoral Augment, Distal	#5	4mm	L.L./R.M.
2603-5252	Femoral Augment, Distal	#5	8mm	L.L./R.M.
2603-5261	Femoral Augment, Distal	#6	4mm	L.L./R.M.
2603-5262	Femoral Augment, Distal	#6	8mm	L.L./R.M.

U2 PSA Components – Straight Stem

Number	Description
2703-5003	Ψ 14x30 mm
2703-5011	Ψ 10x75 mm
2703-5012	Ψ 12x75 mm
2703-5013	Ψ 14x75 mm
2703-5014	Ψ 16x75 mm
2703-5015	Ψ 18x75 mm
2703-5016	Ψ 20x75 mm
2703-5021	Ψ 10x100 mm
2703-5022	Ψ 12x100 mm
2703-5023	Ψ 14x100 mm
2703-5024	Ψ 16x100 mm
2703-5025	Ψ 18x100 mm
2703-5026	Ψ 20x100 mm

Number	Description
2703-5051	Ψ 10x150 mm
2703-5052	Ψ 12x150 mm
2703-5053	Ψ 14x150 mm
2703-5054	Ψ 16x150 mm
2703-5055	Ψ 18x150 mm
2703-5056	Ψ 20x150 mm
2703-5057	Ψ 22x150 mm
2703-5058	Ψ 24x150 mm

Number	Description
2703-5061	Ψ 10x200 mm
2703-5062	Ψ 12x200 mm
2703-5063	Ψ 14x200 mm
2703-5064	Ψ 16x200 mm
2703-5065	Ψ 18x200 mm
2703-5066	Ψ 20x200 mm
2703-5067	Ψ 22x200 mm
2703-5068	Ψ 24x200 mm



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U2 PSA Components – Curved Stem

Number	Description
2703-5031	Ψ 10x150 mm
2703-5032	Ψ 12x150 mm
2703-5033	Ψ 14x150 mm
2703-5034	Ψ 16x150 mm
2703-5035	Ψ 18x150 mm
2703-5036	Ψ 20x150 mm
2703-5037	Ψ 22x150 mm
2703-5038	Ψ 24x150 mm

Number	Description
2703-5041	Ψ 10x200 mm
2703-5042	Ψ 12x200 mm
2703-5043	Ψ 14x200 mm
2703-5044	Ψ 16x200 mm
2703-5045	Ψ 18x200 mm
2703-5046	Ψ 20x200 mm
2703-5047	Ψ 22x200 mm
2703-5048	Ψ 24x200 mm

Number	Description
2703-5071	Ψ 10x240 mm
2703-5072	Ψ 12x240 mm
2703-5073	Ψ 14x240 mm
2703-5074	Ψ 16x240 mm
2703-5075	Ψ 18x240 mm
2703-5076	Ψ 20x240 mm
2703-5077	Ψ 22x240 mm
2703-5078	Ψ 24x240 mm



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U2 PSA Components

Tibial Augment

Number	Description	
2803-5211	#1	5 mm
2803-5212	#1	10 mm
2803-5221	#2	5 mm
2803-5222	#2	10 mm
2803-5231	#3	5 mm
2803-5232	#3	10 mm
2803-5241	#4	5 mm
2803-5242	#4	10 mm
2803-5251	#5	5 mm
2803-5252	#5	10 mm
2803-5261	#6	5 mm
2803-5262	#6	10 mm



Femoral Screw

Number	Description
2903-1014	M5x14 mm



Offset Stem Adapter

Number	Description
2903-1010	2 mm
2903-1020	4 mm
2903-1030	6 mm



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U2 Knee System

U2 PS



Reduced medial lateral flange taper angle provides optimal flange fit without overhang

Single intercondylar notch width for size interchangeability

Peripheral insert locking provides secure coupling and micromotion reduction

U2 CR



Cast cobalt chrome available in both porous and cemented

Curve on curve articulation via consistent 70/ 72 mm contact radius provides high contact and efficient load distribution

Available in both UHMWPE and X-linked PE

U2 Knee System



U2 Knee System

Patella



UHMWPE & X-linked PE available

Dome shaped design

Onset type, 3 pegs, 7 sizes

Inset type, 1 peg, 4 sizes

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PS Femoral Component



- CoCrMo Casting
- Cemented design
- Five sizes Left and Right
- Matching AP/ML size ratio
- Extended patellar tracking groove
- Curve on curve design on coronal plane
- Multi-radius design on sagittal plane
- Rounded anterior cam to reduce tibial spine wear
- Rotational constraint set at ± 13 degrees of freedom
- Fixed intercondyle notch width for size interchangeability
- 9mm bone cut at distal and posterior condyles for better ROM
- Less bone resection at femoral box with safety jumping distance

Tibial Insert

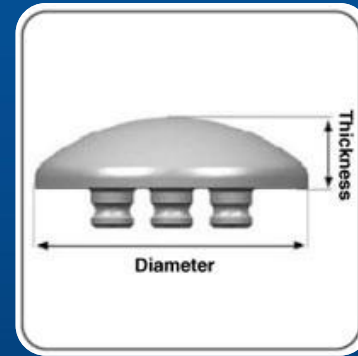
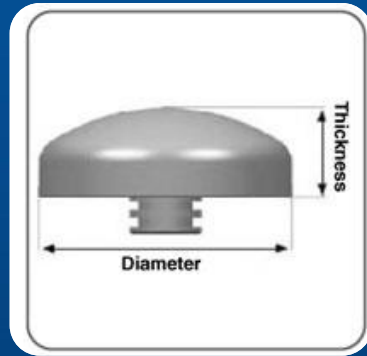


- CoCrMo Casting
- Porous coated and Cemented type are available
- Two fixation legs for orientation and fixation

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CR / PS Tibial Insert



- UHMWPE
- Curve on curve design on both sagittal and coronal planes for PS design
- Minimum 6mm polyethylene thickness
- Rounded anterior spine to reduce wear for PS design
- 5 degrees posterior slope
- Anterior cut off to reduce soft tissue impingement
- Posterior cut off to increase ROM
- Full capture locking mechanism reduce back side wear

Momentum



Tibial Baseplate



- Titanium forged
- Cemented design
- 6 sizes available (AP42-55.5mm)
- Precise AP/ML ratio for better bone coverage
- Full capture locking mechanism to reduce back side wear

Mobile Type



- CoCrMo casting tibial tray
- UHMWPE tibial insert
- Match with PS femoral component
- Rotating platform with central stem
- Highly polished surface

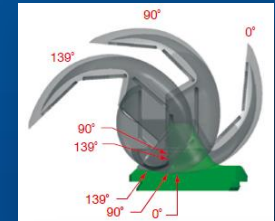
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U2 Knee System

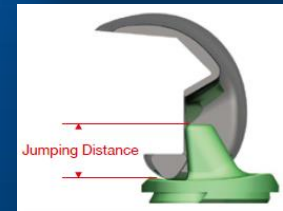
Deep Flexion Engineered

The increased 9mm posterior condylar thickness and the resultant extended condylar curvature, work together with the refined spine / cam mechanism, to provide effective anteroposterior rollback, and an un-impinged 139° ROM.



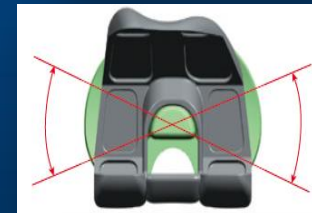
Jumping Distance Safety

The refined spine / cam mechanism achieves a mean jumping distance of 15.48 mm at maximum ROM.



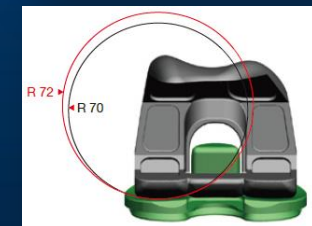
Enhanced Axial Rotation

The anterior aspect of the PS Housing and the PS Spine share a matched radius to accommodate variable tibial implant rotational placement and provide anatomic axial rotation. This design aspect also eliminates needless 'corner to corner' articular impingement seen in square post PS designs.



Femoral / Tibial Contact

The consistent 70 / 72 mm large radii 'round on round' geometries create optimal contact area and reduce UHMWPE contact stresses. This geometry assures a continued large contact area in varus/valgus lift-off conditions.



PS Notch Width Consistency

The PS Intercondylar Notch Width has been standardized at 18mm M/L for all femoral sizes, allowing reduced instrumentation and full interchangeability of all femoral and tibial sizes.



U2 Knee System

Proportional AP / ML Femoral Sizing

Among the 6 femoral sizes, a proportional 4mm anterior / posterior and medial / lateral size increase aspect ratio occurs for each size, providing reliable intra-operative sizing decisions.



Tibial Insert Design

The UHMWPE insert provides excellent wear characteristics for maximum durability. A 70mm radius in the sagittal plane, positions the femorotibial sulcus consistently 40% from the posterior aspect of the implant for increased ROM. A posterior slope is incorporated to maximize ROM.



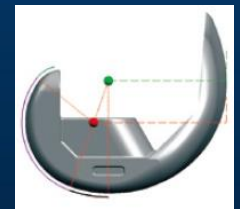
Proportional Patellar Flange Geometry

The patellofemoral volume is the result of careful dimensional analysis to assure the flange would not overstuff the anterior capsule. A 4 degree patellar track angle, along with a consistent trochlear groove depth, was employed to enhance low profile patellar tracking, reduce anterior volume and the need for retinacular release.



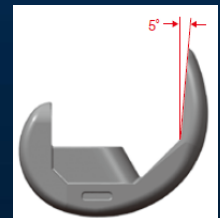
Anatomical Femoral Condyle Design

A multi-radius femoral design was chosen to achieve maximum flexion.



Divergent Patellar Flange Design

A 5 degree divergent patellar flange was also chosen to enhance low profile patellar tracking and reduce femoral notching.



U2 PSA Components



U2 Femoral Component

Number	Description
2103-1110	CR, porous, #1 Left
2103-1120	CR, porous, #2 Left
2103-1130	CR, porous, #3 Left
2103-1140	CR, porous, #4 Left
2103-1150	CR, porous, #5 Left
2103-1210	CR, porous, #1 Right
2103-1220	CR, porous, #2 Right
2103-1230	CR, porous, #3 Right
2103-1240	CR, porous, #4 Right
2103-1250	CR, porous, #5 Right

Number	Description
2103-1310	CR, cemented, #1 Left
2103-1320	CR, cemented, #2 Left
2103-1330	CR, cemented, #3 Left
2103-1340	CR, cemented, #4 Left
2103-1350	CR, cemented, #5 Left
2103-1360	CR, cemented, #6 Left
2103-1310	CR, cemented, #1 Right
2103-1420	CR, cemented, #2 Right
2103-1430	CR, cemented, #3 Right
2103-1440	CR, cemented, #4 Right
2103-1450	CR, cemented, #5 Right
2103-1460	CR, cemented, #6 Right

Number	Description
2103-3110	PS, #1 Left
2103-3120	PS, #2 Left
2103-3130	PS, #3 Left
2103-3140	PS, #4 Left
2103-3150	PS, #5 Left
2103-3160	PS, #6 Left
2103-3210	PS, #1 Right
2103-3220	PS, #2 Right
2103-3230	PS, #3 Right
2103-3240	PS, #4 Right
2103-3250	PS, #5 Right
2103-3260	PS, #6 Right

Size	1	2	3	4	5	6	7
AP	52	56	60	64	68	72	76
ML	56	60	64	68	72	76	80



U2 PSA Components



U2 Tibial Baseplate

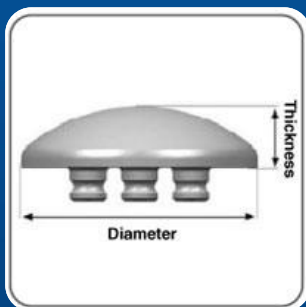


Number	Description
2203-3010	Cemented, #1
2203-3020	Cemented, #2
2203-3030	Cemented, #3
2203-3040	Cemented, #4
2203-3050	Cemented, #5
2203-3060	Cemented, #6

Size	1	2	3	4	5	6
AP	42	44.5	47	49.5	52	55.5
ML	63	66	69	72	76	80

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U2 PSA Components

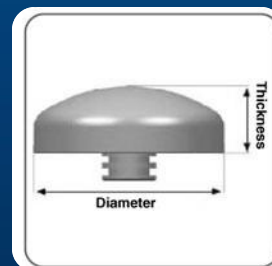


Number	Description	
2401-1010	Size S	φ 22 mm
2401-1020	Size M	φ 25 mm
2401-1030	Size L	φ 28 mm
2401-1040	Size XL	φ 32 mm

Inset Patellar Component

Size	S	M	L	XL
Diameter (mm)	22	25	28	32
Thickness (mm)	8	10	10	10

Onset Patellar Component



Number	Description	
2403-1010	Size XS	φ 26 mm
2403-1020	Size S	φ 29 mm
2403-1030	Size M	φ 32 mm
2403-1040	Size L	φ 35 mm
2403-1050	Size XL	φ 38 mm
2403-1060	Size 2XL	φ 41 mm
2403-1070	Size 3XL	φ 44 mm

Size	XS	S	M	L	XL	2XL	3XL
Diameter (mm)	26	29	32	35	38	41	44
Thickness (mm)	7.5	8	8.5	9	9.5	10	10.5

Momentum



U2 PSA Components

CR – Tibial Insert



Number	Description
2303-1211	CR, #1 9 mm
2303-1212	CR, #1 11 mm
2303-1213	CR, #1 13 mm
2303-1214	CR, #1 15 mm
2303-1215	CR, #1 18 mm
2303-1221	CR, #2 9 mm
2303-1222	CR, #2 11 mm
2303-1223	CR, #2 13 mm
2303-1224	CR, #2 15 mm
2303-1225	CR, #2 18 mm

Number	Description
2303-1231	CR, #3 9 mm
2303-1232	CR, #3 11 mm
2303-1233	CR, #3 13 mm
2303-1234	CR, #3 15 mm
2303-1235	CR, #3 18 mm
2303-1241	CR, #4 9 mm
2303-1242	CR, #4 11 mm
2303-1243	CR, #4 13 mm
2303-1244	CR, #4 15 mm
2303-1245	CR, #4 18 mm

Number	Description
2303-1251	CR, #5 9 mm
2303-1252	CR, #5 11 mm
2303-1253	CR, #5 13 mm
2303-1254	CR, #5 15 mm
2303-1255	CR, #5 18 mm
2303-1261	CR, #6 9 mm
2303-1262	CR, #6 11 mm
2303-1263	CR, #6 13 mm
2303-1264	CR, #6 15 mm
2303-1265	CR, #6 18 mm



U2 PSA Components

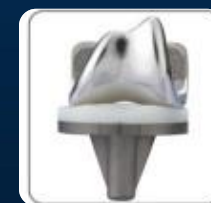
PS – Tibia Insert



Number	Description
2303-3011	CR, #1 9 mm
2303-3012	CR, #1 11 mm
2303-3013	CR, #1 13 mm
2303-3014	CR, #1 15 mm
2303-3015	CR, #1 18 mm
2303-3021	CR, #2 9 mm
2303-3022	CR, #2 11 mm
2303-3023	CR, #2 13 mm
2303-3024	CR, #2 15 mm
2303-3025	CR, #2 18 mm

Number	Description
2303-3031	CR, #3 9 mm
2303-3032	CR, #3 11 mm
2303-3033	CR, #3 13 mm
2303-3034	CR, #3 15 mm
2303-3035	CR, #3 18 mm
2303-3041	CR, #4 9 mm
2303-3042	CR, #4 11 mm
2303-3043	CR, #4 13 mm
2303-3044	CR, #4 15 mm
2303-3045	CR, #4 18 mm

Number	Description
2303-3051	CR, #5 9 mm
2303-3052	CR, #5 11 mm
2303-3053	CR, #5 13 mm
2303-3054	CR, #5 15 mm
2303-3055	CR, #5 18 mm
2303-3061	CR, #6 9 mm
2303-3062	CR, #6 11 mm
2303-3063	CR, #6 13 mm
2303-3064	CR, #6 15 mm
2303-3065	CR, #6 18 mm



U2 PSA Components

XCR – XPE Tibial Insert

Number	Description
2303-1611	CR, #1 9 mm
2303-1612	CR, #1 11 mm
2303-1613	CR, #1 13 mm
2303-1614	CR, #1 15 mm
2303-1615	CR, #1 18 mm
2303-1621	CR, #2 9 mm
2303-1622	CR, #2 11 mm
2303-1623	CR, #2 13 mm
2303-1624	CR, #2 15 mm
2303-1625	CR, #2 18 mm

Number	Description
2303-1631	CR, #3 9 mm
2303-1632	CR, #3 11 mm
2303-1633	CR, #3 13 mm
2303-1634	CR, #3 15 mm
2303-1635	CR, #3 18 mm
2303-1641	CR, #4 9 mm
2303-1642	CR, #4 11 mm
2303-1643	CR, #4 13 mm
2303-1644	CR, #4 15 mm
2303-1645	CR, #4 18 mm

Number	Description
2303-1651	CR, #5 9 mm
2303-1652	CR, #5 11 mm
2303-1653	CR, #5 13 mm
2303-1654	CR, #5 15 mm
2303-1655	CR, #5 18 mm
2303-1661	CR, #6 9 mm
2303-1662	CR, #6 11 mm
2303-1663	CR, #6 13 mm
2303-1664	CR, #6 15 mm
2303-1665	CR, #6 18 mm



U2 PSA Components

XPS – XPE Tibial Insert

Number	Description
2303-3011	CR, #1 9 mm
2303-3012	CR, #1 11 mm
2303-3013	CR, #1 13 mm
2303-3014	CR, #1 15 mm
2303-3015	CR, #1 18 mm
2303-3021	CR, #2 9 mm
2303-3022	CR, #2 11 mm
2303-3023	CR, #2 13 mm
2303-3024	CR, #2 15 mm
2303-3025	CR, #2 18 mm

Number	Description
2303-3031	CR, #3 9 mm
2303-3032	CR, #3 11 mm
2303-3033	CR, #3 13 mm
2303-3034	CR, #3 15 mm
2303-3035	CR, #3 18 mm
2303-3041	CR, #4 9 mm
2303-3042	CR, #4 11 mm
2303-3043	CR, #4 13 mm
2303-3044	CR, #4 15 mm
2303-3045	CR, #4 18 mm

Number	Description
2303-3051	CR, #5 9 mm
2303-3052	CR, #5 11 mm
2303-3053	CR, #5 13 mm
2303-3054	CR, #5 15 mm
2303-3055	CR, #5 18 mm
2303-3061	CR, #6 9 mm
2303-3062	CR, #6 11 mm
2303-3063	CR, #6 13 mm
2303-3064	CR, #6 15 mm
2303-3065	CR, #6 18 mm



U2 PSA Components

Number	Description
2403-3010	Inset, Size S
2403-3020	Inset, Size M
2403-3030	Inset, Size L
2403-3040	Inset, Size XL

Inset – XPE Patellar Component

Onset – XPE Patellar Component

Number	Description
2403-3210	Onset, Size XS
2403-3220	Onset, Size S
2403-3230	Onset, Size M
2403-3240	Onset, Size L
2403-3250	Onset, Size XL
2403-3260	Onset, Size 2XL
2403-3270	Onset, Size 3XL



Bipolar II – Hip System



Metal surface roughness of
 $Ra \leq 0.02 \mu m$ to fulfill the ISO
Standard of $Ra \leq 0.05 \mu m$

Momentum

Bipolar II Features



Cap Sizes Available from 41 to 56 mm in 1 mm Size Increments

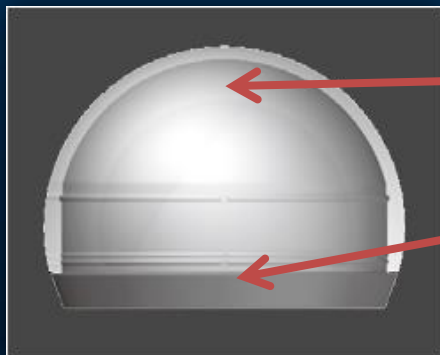
Highly Polish Surface to Reduce the Wear of Acetabulum*

One - Piece Assembly



Simple Locking Ring Mechanism Enhances Surgical Efficiency, while Maintaining Strength

Minimum PE Thickness of 5 mm



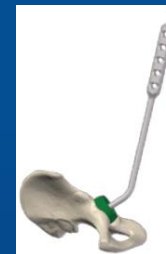
Anti-rotation Design Minimizes Micromotion Between the Cap and the PE Liner

Outer Beveled Lip Design Allows for Easy Reduction

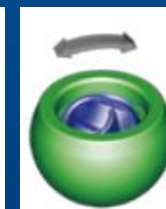
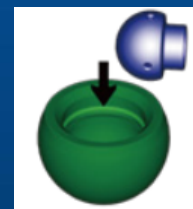


Surgical Techniques

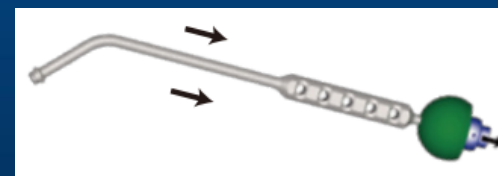
Sizing the Acetabulum



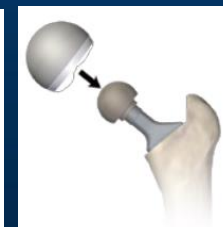
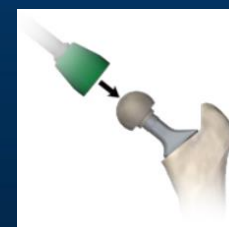
Trial Assembly and Reduction



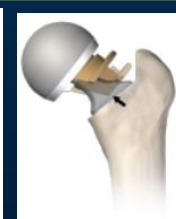
Trial Disassembly



Implant Assembly



Implant Disassembly



Bipolar II - Instruments

Femoral Head Trial

Number	Description
1201-2126	26 mm – RA +0 mm
1201-2326	26 mm – RA +3 mm
1201-2526	26 mm – RA +6 mm
1201-2726	26 mm – RA +9 mm
1201-2028	28 mm – RA - 3 mm
1201-2128	28 mm – RA +0 mm
1201-2428	28 mm – RA +5 mm
1201-2828	28 mm – RA +10 mm

U2 Hip
Stem

Number	Description
1201-2126	26 mm – RA +0 mm
1201-2326	26 mm – RA +3 mm
1201-2526	26 mm – RA +6 mm
1201-2726	26 mm – RA +9 mm
1201-2028	28 mm – RA - 3 mm
1201-2128	28 mm – RA +0 mm
1201-2428	28 mm – RA +5 mm
1201-2828	28 mm – RA +10 mm

UTF Stem





Bipolar II - Instruments

Head Remover

Number	Description
9203-5026	26 mm
9203-5028	28 mm

26 mm

U2 Bipolar Trial

28 mm

Number	Description
1503-4041	41 mm
1503-4042	42 mm
1503-4043	43 mm
1503-4044	44 mm
1503-4045	45 mm
1503-4046	46 mm
1503-4047	47 mm
1503-4048	48 mm
1503-4049	49 mm
1503-4050	50 mm
1503-4051	51 mm
1503-4052	52 mm
1503-4053	53 mm
1503-4054	54 mm
1503-4055	55 mm
1503-4056	56 mm



Bipolar II - Implant

Metal Head

Number	Description
1201-1126	26 mm +0 mm
1201-1326	26 mm +3 mm
1201-1526	26 mm +6 mm
1201-1726	26 mm +9 mm
1201-1028	28 mm -3 mm
1201-1128	28 mm +0 mm
1201-1428	28 mm +5 mm
1201-1828	28 mm +9 mm

Head Size
26 mm

28 mm

Bipolar Cap

Number	Description
1503-4041	41 mm
1503-4042	42 mm
1503-4043	43 mm
1503-4044	44 mm
1503-4045	45 mm
1503-4046	46 mm
1503-4047	47 mm
1503-4048	48 mm
1503-4049	49 mm
1503-4050	50 mm
1503-4051	51 mm
1503-4052	52 mm
1503-4053	53 mm
1503-4054	54 mm
1503-4055	55 mm
1503-4056	56 mm



Delta with U2 Acetabular XPE



1. Stronger Mechanical Strength
2. Greater Wear Resistance
3. Large Diameter Head
4. Better Range of Motion
5. Better Stability

Momentum

Bipolar II - Instruments

Xpe Liner



Number	Description
1403-1044	44 mm
1403-1046	46 mm
1403-1048	48 mm
1403-1250	50 mm
1403-1252	52 mm
1403-1654	54 mm
1403-1656	56 mm
1403-1658	58 mm
1403-1660	60 mm
1403-1662	62 mm
1403-1664	64 mm
1403-1666	66 mm
1403-1668	68 mm
1403-1670	70 mm

Ceramic Head-Delta



Number	Description
1203-5028	28 mm -3 mm S
1203-5228	28 mm +1 mm M
1203-5428	28 mm +5 mm L
1203-5032	32 mm -3 mm S
1203-5232	32 mm +1 mm M
1203-5432	32 mm +5 mm L
1203-5632	32 mm +8 mm XL
1203-5036	36 mm -3 mm S
1203-5236	36 mm +1 mm M
1203-5436	36 mm +5 mm L
1203-5636	36 mm +8 mm XL



Metal Head

Number	Description
1201-1028	28 mm -3 mm
1201-1128	28 mm +0 mm
1201-1428	28 mm +5 mm
1201-1828	28 mm +10 mm
1201-1032	32 mm -3 mm
1201-1132	32 mm +0 mm
1201-1432	32 mm +5 mm
1201-1832	32 mm +10 mm
1201-1036	36 mm -3 mm
1201-1136	36 mm +0 mm
1201-1436	36 mm +5 mm
1201-1836	36 mm +10 mm

Spinal Fixation System



1. Low profile provides 40° variable angular movement and allows simple 3D corrections
2. Self-tapping minimizes any neural damage and provides maximum pull-out strength
3. Simplest locking maximizes locking performance and contributes to overall low-profile
4. Circumferential locking provides mechanical stability and ensures solid circumferential locking

Momentum

Spinal Fixation System

Diameter 	Length 	Monoaxial Pedicle Screw 	Polyaxial Pedicle Screw 	Polyaxial Reduction Pedicle Screw 
4.5	30 mm	SH614530	SH624530	SH624530
4.5	35 mm	SH614535	SH624535	SH624535
4.5	40 mm	SH614540	SH624540	SH624540
4.5	45 mm	SH614545	SH624545	SH624545
4.5	50 mm	SH614550	SH624550	SH624550
5.5	30 mm	SH615530	SH625530	SH625530
5.5	35 mm	SH615535	SH625535	SH625535
5.5	40 mm	SH615540	SH625540	SH625540
5.5	45 mm	SH615545	SH625545	SH625545
5.5	50 mm	SH615550	SH625550	SH625550
6.5	30 mm	SH616530	SH626530	SH626530
6.5	35 mm	SH616535	SH626535	SH626535
6.5	40 mm	SH616540	SH626540	SH626540
6.5	45 mm	SH616545	SH626545	SH626545
6.5	50 mm	SH616550	SH626550	SH626550
7.5	30 mm	SH616530	SH626530	SH626530
7.5	35 mm	SH616535	SH626535	SH626535
7.5	40 mm	SH616540	SH626540	SH626540
7.5	45 mm	SH616545	SH626545	SH626545
7.5	50 mm	SH616550	SH626550	SH626550

Peek Cage Series

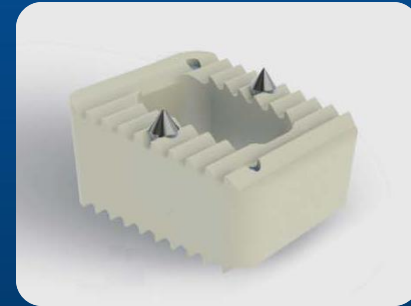


Peek Cage – Cervical Cage

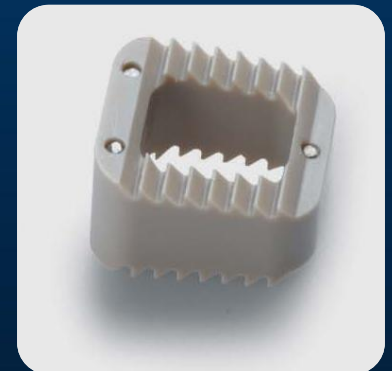
Indications

1. Intervertebral disc prolapse
2. Disc luxation or herniation
3. Mechanical Instability
4. Calcification of the posterior structures
5. Osteochondrosis
6. Spinal Canal Stenosis

HERA® Cervical Cage



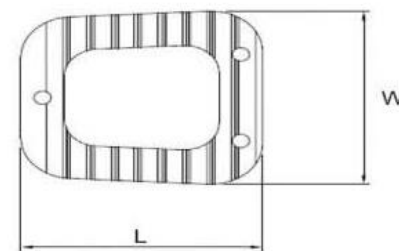
SYNSTER® Cervical Cage



SYNSTER® – Cervical Cage

Number	H (mm)	W (mm)	L (mm)
SC41314	4	13	14
SC51314	5	13	14
SC61314	6	13	14
SC71314	7	13	14
SC81314	8	13	14
SC41316	4	13	16
SC51316	5	13	16
SC61316	6	13	16
SC71316	7	13	16
SC81316	8	13	16

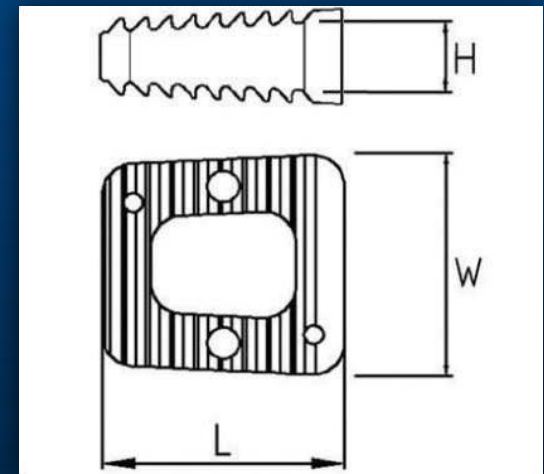
Implant Description



HERA® – Cervical Cage

Number	H (mm)	W (mm)	L (mm)
HC41314	4	14	15
HC51314	5	14	15
HC61314	6	14	15
HC71314	7	14	15
HC81314	8	14	15
HC41316	4	14	17
HC51316	5	14	17
HC61316	6	14	17
HC71316	7	14	17
HC81316	8	14	17

Implant Description



Momentum

Peek Cage – PLIF CAGE

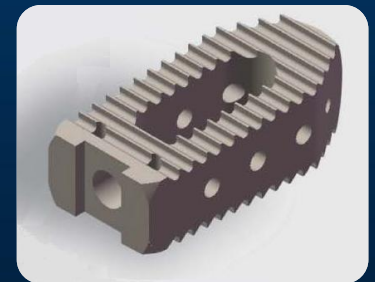
SYNSTER® PLIF Cage



Indications

1. Degenerative Spondylolisthesis
2. Isthmic Spondylolisthesis
3. Pseudarthrosis with foraminal stenosis
4. Severe or Advanced degenerative disc disease

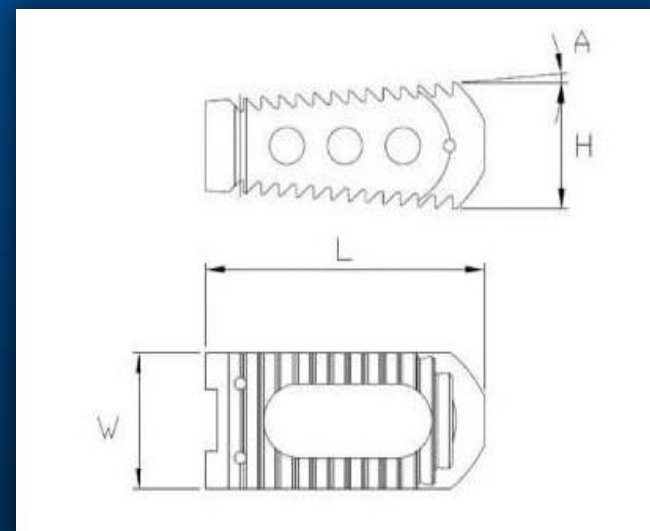
RHEA® PLIF Cage



SYNSTER® – PLIF Cage

Number	H (mm)	W (mm)	L (mm)	
SP0900	9	11	24	0°
SP1000	10	11	24	0°
SP1100	11	11	24	0°
SP1200	12	11	24	0°
SP1300	13	11	24	0°
SP1400	14	11	24	0°
SP0904	9	11	24	4°
SP1004	10	11	24	4°
SP1104	11	11	24	4°
SP1204	12	11	24	4°
SP1304	13	11	24	4°
SP1404	14	11	24	4°
SP0908	9	11	24	8°
SP1008	10	11	24	8°
SP1108	11	11	24	8°
SP1208	12	11	24	8°
SP1308	13	11	24	8°
SP1408	14	11	24	8°

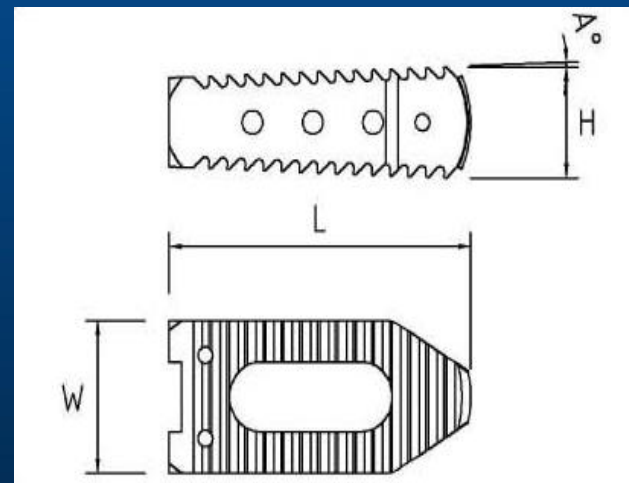
Implant Description



RHEA® – PLIF Cage

Number	H (mm)	W (mm)	L (mm)	
RP0800	8	11	25	0°
RP0900	9	11	25	0°
RP1000	10	11	25	0°
RP1100	11	11	25	0°
RP1200	12	11	25	0°
RP1300	13	11	25	0°
RP1400	14	11	25	0°
RP0804	8	11	25	0°
RP0904	9	11	25	4°
RP1004	10	11	25	4°
RP1104	11	11	25	4°
RP1204	12	11	25	4°
RP1304	13	11	25	4°
RP1404	14	11	25	4°
RP0808	8	11	25	0°
RP0908	9	11	25	8°
RP1008	10	11	25	8°
RP1108	11	11	25	8°
RP1208	12	11	25	8°
RP1308	13	11	25	8°
RP1408	14	11	25	8°

Implant Description



Peek Cage – TLIF CAGE

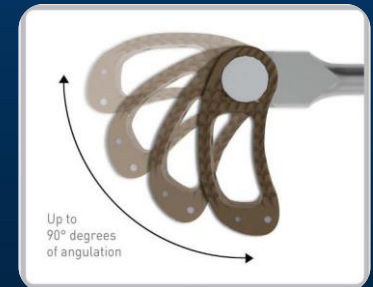
SYNSTER® TLIF Cage

Indications

1. Low grade I or II Spondylolisthesis
2. Severe or Advance degenerative disc disease
3. Instability of the anterior column in association with posterior pathology



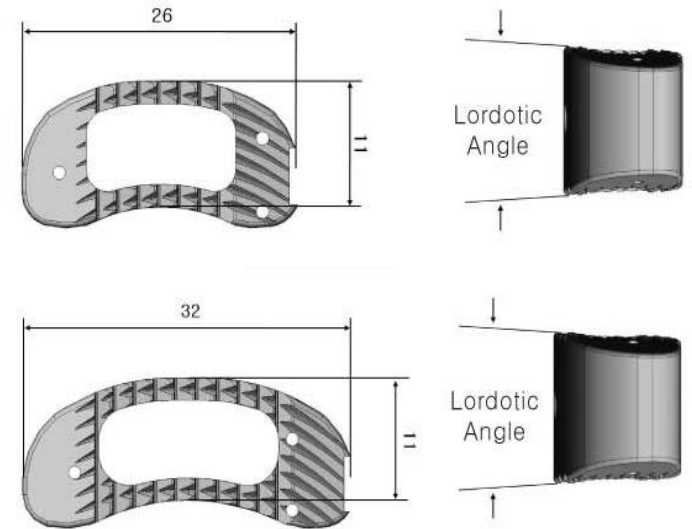
TALON® TLIF Cage



SYNSTER® – PLIF Cage

Number	H (mm)	W (mm)	L (mm)	A
ST0826	8	11	26	4°
ST0926	9	11	26	4°
ST1026	10	11	26	4°
ST1126	11	11	26	4°
ST1226	12	11	26	4°
ST1326	13	11	26	4°
ST1426	14	11	26	4°
ST1526	15	11	26	4°
ST0832	8	11	32	4°
ST0932	9	11	32	4°
ST1032	10	11	32	4°
ST1132	11	11	32	4°
ST1232	12	11	32	4°
ST1332	13	11	32	4°
ST1432	14	11	32	4°
ST1532	15	11	32	4°

Implant Description



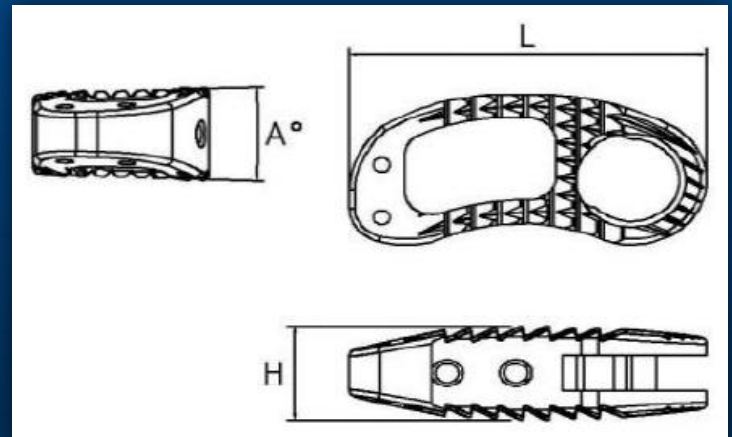
- Footprint(Width x Length): 11mm x 26mm and 11mm x 32mm
- Lordosis Options: 4°
- Height Options: 8, 9, 10, 11, 12, 13, 14 and 15mm



TALON® – PLIF Cage

Number	H (mm)	W (mm)	L (mm)	A
TT0826	8	11	26	4°
TT0926	9	11	26	4°
TT1026	10	11	26	4°
TT1126	11	11	26	4°
TT1226	12	11	26	4°
TT1326	13	11	26	4°
TT1426	14	11	26	4°
TT1526	15	11	26	4°
TT0832	8	11	32	4°
TT0932	9	11	32	4°
TT1032	10	11	32	4°
TT1132	11	11	32	4°
TT1232	12	11	32	4°
TT1332	13	11	32	4°
TT1432	14	11	32	4°
TT1532	15	11	32	4°

Implant Description



Peek Cage – PTLIF & ALIF Cage

SYNSTER® PTLIF Cage



Indications

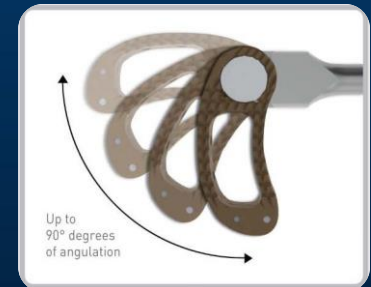
1. Grade I Spondylolisthesis
2. Severe or Advance degenerative disc disease

Indications

Lumbar and lumbosacral pathologies which may require anterior segmental arthrodesis Including:

1. Degenerative disc disease and Instability
2. Revision surgery for failed decompression syndrome or pseudarthrosis
3. Reduced Spondylolisthesis

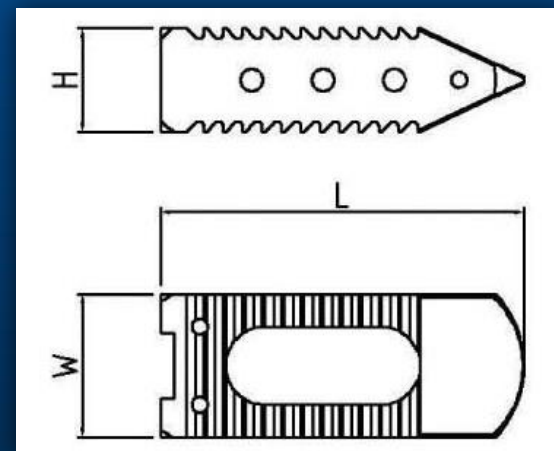
SYNSTER® ALIF Cage



SYNSTER® – PTLIF Cage

Number	H (mm)	W (mm)	L (mm)	A
TT0826	8	11	26	4°
TT0926	9	11	26	4°
TT1026	10	11	26	4°
TT1126	11	11	26	4°
TT1226	12	11	26	4°
TT1326	13	11	26	4°
TT1426	14	11	26	4°
TT1526	15	11	26	4°
TT0832	8	11	32	4°
TT0932	9	11	32	4°
TT1032	10	11	32	4°
TT1132	11	11	32	4°
TT1232	12	11	32	4°
TT1332	13	11	32	4°
TT1432	14	11	32	4°
TT1532	15	11	32	4°

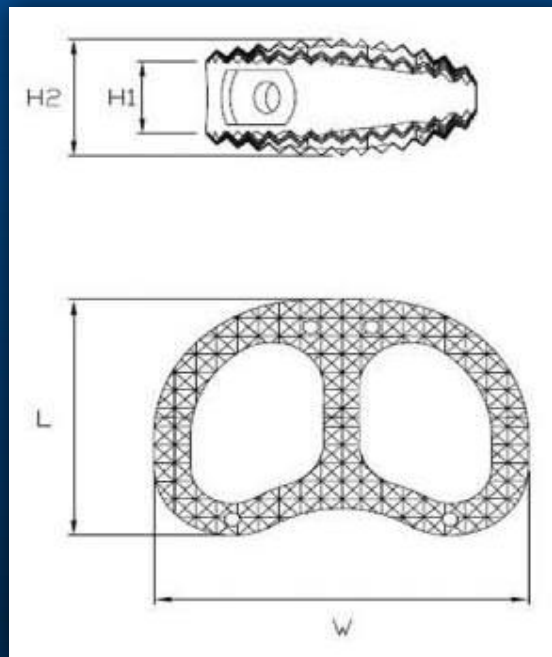
Implant Description



SYNSTER® – ALIF Cage

Number	H (mm)	W (mm)	L (mm)
AS 08	8	32	24
AS 10	10	32	24
AS 12	12	32	24
AS 14	14	32	24
AL 08	8	36	26
AL 10	10	36	26
AL 12	12	36	26
AL 14	14	36	26
AXL 10	10	40	32
AXL 12	12	40	32
AXL 14	14	40	32

Implant Description



Momentum

Kyphoplasty System

Indications

1. Vertebral Compression Fracture
2. Osteoporosis
3. Metastatic Bone Tumor



Kyphoplasty System

Ballon Catheter Description

Number	PSI RATING	MAXIMUM VOLUME (CC)
BM K 10	400	3
BM K 15	400	4
BM K 20	400	6

Components

Product Name	PSI RATING
One Step Starter Cannula	1
One Step Starter Trocar	1
Drill	1
Balloon Catheter (BM K 15 / BM K 20)	1
Compressor	1
Cement Bar	3
Cement Infusion	3



Momentum

Polybone

1. Bone Regeneration and Reconstruction Substitute
2. Novel β – TCP based Bone Substitute

Product Type

- Powder
- Block
- Granule



Polybone

Powder Type



Product	Number	Powder (g)	Liquid (ml)
PolyBone® Original	PBO – 5	5	2
	PBO – 10	10	4
	PBO – 20	20	8

Product	Number	Height (mm)	Width (mm)	Length (mm)	Packing (ea)
PolyBone® Stick Type	PBS 342	5	6	34	2
	PBS 344	5	6	34	4
PolyBone® Cervical Type	PBCC 414	4	12	14	1
	PBCC 514	5	12	14	1
	PBCC 614	6	12	14	1
	PBCC 714	7	12	14	1

Block Type



Granule Type



Product	Number	Diameter (mm)	Volume (cc)
PolyBone® Granule Type (Dental)	PBBG 0002	0.5 ~ 1	0.2
	PBBG 0005	0.5 ~ 1	0.5
PolyBone® Granule Type (Orthopedic)	PBBG 205	2 ~ 3	5
	PBBG 210	2 ~ 3	10
	PBBG 215	2 ~ 3	15
	PBBG 230	2 ~ 3	30

For More Information

www.MomentumOrtho.com

