

Hip Replacement System PROSTHESES



tst

Femoral Component Primary Femoral Component Stems

Supra Art Stem



Details
CoCrMo
Uncemented
Coated
Taper 12/14
135°
Sterile

Size
(mm)
6
7.5
9.0
10.5
12
13.5
15
16

PC
Code
-
11638012075
11638012090
11638012105
11638012120
11638012135
11638012150
-

PC & HA
Code
11639012060
11639012075
11639012090
11639012105
11639012120
11639012135
11639012150
11639012160

Supra Anatomic Stem



Details
Ti6Al4V
Uncemented
Coated
Taper 12/14
135°
Sterile



Size
(mm)
8 - Right
8 - Left
9.5 - Right
9.5 - Left
11 - Right
11 - Left
12.5-Right
12.5-Left
14 - Right
14 - Left

PC
Code
11425812080
11426812080
11425812095
11426812095
11425812110
11426812110
11425812125
11426812125
11425812140
11426812140

PC & HA
Code
11425912080
11426912080
11425912095
11426912095
11425912110
11426912110
11425912125
11426912125
11425912140
11426912140

Calcar Replacement Stem



Details
CoCr
Uncemented
Coated
Taper 12/14
135°
Sterile

Size
(mm)
10x25
10x35
10x45
12X25
12X35
12X45
14X25
14X35
14X45
16X25
16X35
16X45

PC & HA
Code
10932591210
10933591210
10934591210
10932591212
10933591212
10934591212
10932591214
10933591214
10934591214
10932591216
10933591216
10934591216

Press Fit Cup



Material: ISO 5832/3 Ti6Al4V

Acetabulum Screw

Size (mm)	Porous Coated Code	HA Coated Code	Size (mm)	Cancell. Self-Tap Code
42	11228000042	11229000042	6.5x20	21221200065
44	11228000044	11229000044	6.5x25	21221250065
46	11228000046	11226000046	6.5x30	21221300065
48	11228000048	11226000048	6.5x35	21221350065
50	11228000050	11229000050	6.5x40	21221400065
52	11228000052	11229000052	6.5x45	21221450065
54	11228000054	11229000054		
56	11228000056	11229000056		
58	11228000058	11229000058		
60	11228000060	11229000060		



Insert For Press Fit Cup 0°



Size (mm)	UHMWPE Code	Cross-Link PE Code	E-POLLY Code
42X22	11370002242	11371002242	11380002242
44X28	11372002844	11371002844	11380002844
46X28	11372002846	11371002846	11380002846
48X28	11372002848	11371002848	11380002848
50X28	11372002850	11371002850	11380002850
52X28	11372002852	11371002852	11380002852
54X28	11372002854	11371002854	11380002854
56X28	11372002856	11371002856	11380002856
58X28	11372002858	11371002858	11380002858
60X28	11372002860	11371002860	11380002860

Insert For Press Fit Cup 10°



Size (mm)	UHMWPE Code	Cross-Link PE Code	E-POLLY Code
42X22	11370102242	11371102242	11380102242
44X28	11370102844	11371102844	11380102844
46X28	11370102846	11371102846	11380102846
48X28	11370102848	11371102848	11380102848
50X28	11370102850	11371102850	11380102850
52X28	11370102852	11371102852	11380102852
54X28	11370102854	11371102854	11380102854
56X28	11370102856	11371102856	11380102856
58X28	11370102858	11371102858	11380102858
60X28	11370102860	11371102860	11380102860

Insert For Press Fit Cup 20°



Size (mm)	UHMWPE Code	Cross-Link PE Code	E-POLLY Code
42X22	11370202242	11371202242	11380202242
44X28	11370202844	11371202844	11380202844
46X28	11370202846	11371202846	11380202846
48X28	11370202848	11371202848	11380202848
50X28	11370202850	11371202850	11380202850
52X28	11370202852	11371202852	11380202852
54X28	11370202854	11371202854	11380202854
56X28	11370202856	11371202856	11380202856
58X28	11370202858	11371202858	11380202858
60X28	11370202860	11371202860	11380202860

Femoral Component Primary Femoral Component Stems

Supra 2 Stem



Details

CoCrMo
Cemented
Taper 12/14
135°
Sterile

Size

(mm)
7
8
9.5
11
12.5
14

Code

11530012070
11530012080
11530012095
11530012110
11530012125
11530012140

Calcar Replacement Stem



Details

CoCrMo & CrNi
Cemented
Taper 12/14
135°
Sterile

Size

(mm)
10x25
10x35
10x45
12x25
12x35
12x45
14x25
14x35
14x45
16x25
16x35
16x45

CoCrMo

Code

10932501210
10933501210
10934501210
10932501212
10933501212
10934501212
10932501214
10933501214
10934501214
10932501216
10933501216
10934501216

Size

(mm)
10x25
10x35
10x45
12x25
12x35
12x45
14x25
14x35
14x45
16x25
16x35
16x45

CrNi

Code

10912501210
10913501210
10914501210
10912501212
10913501212
10914501212
10912501214
10913501214
10914501214
10912501216
10913501216
10914501216

Volumed Mod. Straight Stem



Details

CrNi
Cemented
Taper 12/14
135°
Sterile

Size

(mm)
7.5
10
11
12.5
15

Code

10112221275
10112221210
10112221211
10112221212
10112221215

Modular Head



Head (Size) (mm)	Cone (Size) Code	CrNi Code	CoCrMo Code
28	X Small	10710001228	10730001228
28	Small	10710051228	10730051228
28	Medium	10710101228	10730101228
28	Long	10710151228	10730151228
28	X Long	10710201228	10730201228
22	Short	10710051222	10730051222
22	Medium	10710101222	10730101222
22	Long	10710151222	10730151222

Bipolar Head



Head (Size) (mm)	CrNi UHMWPE Code	CrNi E-Polly Code	CoCrMo UHMWPE Code	CoCrMo E-Polly Code
28X40	11117002840	11117012840	11137002840	11137012840
28X42	11117002842	11117012842	11137002842	11137012842
28X44	11117002844	11117012844	11137002844	11137012844
28X46	11117002846	11117012846	11137002846	11137012846
28X48	11117002848	11117012848	11137002848	11137012848
28X50	11117002850	11117012850	11137002850	11137012850
28X52	11117002852	11117012852	11137002852	11137012852
28X54	11117002854	11117012854	11137002854	11137012854
28X56	11117002856	11117012856	11137002856	11137012856
28X58	11117002858	11117012858	11137002858	11137012858
28X60	11117002860	11117012860	11137002860	11137012860

A. Unipolar & Unipolar Head



Head (Size) (mm)	A Unipolar CrNi Code	A Unipolar CoCrMo Code	A Unipolar Ring (Size)	A Unipolar Ring CrNi Code	A Unipolar Ring CoCrMo Code
40	10711501240	10731501240	X Small	10711600006	10731600006
41	10711501241	-	Small	10711600003	10731600003
42	10711501242	10731501242	Medium	10711600000	10731600000
43	10711501243	-	Large	10711600030	10731600030
44	10711501244	10731501244	X Large	10711600060	10731600060
45	10711501245	-			
46	10711501246	10731501246			
47	10711501247	-			
48	10711501248	10731501248			
49	10711501249	-			
50	10711501250	10731501250			
51	10711501241	-			
52	10711501252	10731501252			
53	10711501253	-			
54	10711501254	10731501254			
55	10711501255	-			
56	10711501256	10731501256			

Centraliser & Plug UHMWPE



Centraliser (for other stem)	Centraliser (for Calcar stem)	Plug (for stem)
Size	Size	Size
Code	Code	Code
8 mm 11870000080	10 mm 10970000100	7.5-11mm 11770000015
9.5mm 11870000095	12 mm 10970000120	11-13.5mm 11770000018
11 mm 11870000110	14 mm 10970000140	13.5-15mm 11770000021
12.5mm 11870000125	16 mm 10970000160	
14 mm 11870000140		
15.5mm 11870000155		

Femoral Component Arthrom Modular Hip Prosthesis

Details

Ti6Al4V, Roughened Surface Finish
Taper Stem, 135° Neck Angle, Sterile

The Arthrom® Hip System is designed to provide exceptional intraoperative flexibility and versatility to meet the unpredictable demands of hip replacement surgery. The modular junction allows for the selection of a proximal body design to be made independent of the choice for a distal stem design. The design also allows for completely independent proximal/distal implant positioning and component sizing. The proximal body can be placed in any position independently of the distal stem for anteversion adjustment.

TST Implants are available in either a narrow junction design or with a large junction for larger patients or for those patients whose femur may not provide adequate proximal support. The stem junction uses a taper connection to assure locking of the proximal body and distal stem components.

There are three Body Length options of 55mm, 65mm, and 75mm available which allow for intraoperative flexibility in adjusting leg length, and each length has a different offset option.

Arthrom Hip Prosthesis Body Narrow Junction

Body Length (mm)	Offset (mm)	Code
Small 55	37.5	12022315560
Standard 55	40	12022215575

Arthrom Hip Prosthesis Stem Narrow Junction

Size (mm)	Length (mm)	Code
Ø10-13	100	12022101013
Ø10-13	140	12022141013
Ø11-14	100	12022101114
Ø11-14	140	12022141114
Ø12-15	100	12022101215
Ø12-15	140	12022141215
Ø13-16	100	12022141316
Ø13-16	140	12022101316

Two stem lengths are offered in four diameters.

Arthrom Hip Prosthesis Body Large Junction

Body Length (mm)	Offset (mm)	Code
Small 65	40	12023316560
Standard 65	42.5	12023216575
Standard 75	42.5	12023217575

Arthrom Hip Prosthesis Stem Large Junction

Size (mm)	Length (mm)	Code
Ø12-15	140	12023141215
Ø13-16	140	12023141316
Ø13-16	180	12023181316
Ø14-17	140	12023141417
Ø15-18	140	12023141518
Ø15-18	180	12023181518
Ø17-20	140	12023141720
Ø17-20	180	12023181720

Two stem lengths are offered in five diameters.



Thompson Hip Prosthesis



Material	Size	Code
Stanless steel 135° Neck angle	(mm)	
	40	10610004000
	41	10610004100
	42	10610004200
	43	10610004300
	44	10610004400
	45	10610004500
	46	10610004600
	47	10610004700
	48	10610004800
	49	10610004900
	50	10610005000
	51	10610005100
	52	10610005200
	53	10610005300
	54	10610005400

Moore Hip Prosthesis



Material	Size	Code
Stanless steel 135° Neck angle	(mm)	
	40	10510004000
	41	10510004100
	42	10510004200
	43	10510004300
	44	10510004400
	45	10510004500
	46	10510004600
	47	10510004700
	48	10510004800
	49	10510004900
	50	10510005000
	51	10510005100
	52	10510005200
	53	10510005300
	54	10510005400



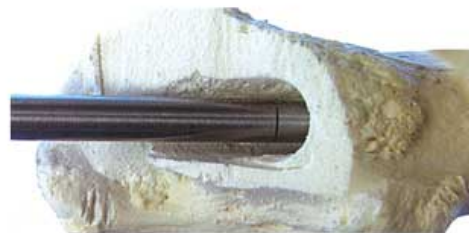
Osteotomy line : From 1.5-2 cm above the trochanter minors a cut is done to femur shaft with a 45 angle



An entry with chisel (Femur head antversion will be taken into consideration) is done to osteotomy line and medulla channel edge is opened.



An entry is done into medulla from piriformis fossa with beginning reamer



An entry is done to signed place of the carver with wide channel Carver and medulla is widen.



Rasping is start with the smallest rasp. Rasping is done until entering to rasp's end line in proximal. Rasping is continued reaching the enough resistance of medulla with increasing sizes. (There is a 2 mm cement thickness on the rasps for cemented applications.)



The stem must be chooser according to last used rasp



The last used rasp determines the stem measure. The same size of stem which places in sterile package is opened and placed in to medulla by considering the anteversion angle.



Stem is impacted to medulla with stem impactor

SURGICAL TECHNIQUE



Smallest reamer is fastening to reamer holder limb and acetabulum is carved. This process continues until the hemorrhaged subcondra bone is seen. The process is done with changing reamers with two increased diameters a piece. The last reamer measurement determines the head measure.



After acetabular reaming, head measure is tested by measurement and vacuuming with the test head



Positioning pins are placed to appropriate places on the impactor. Head is fastened to impactor's tip by screwing. Head is impacted by giving the anteversion angle according to patient 15°-20° to anterior and 45° according to patient's horizontal plane



There are 3 screws holes on the head. Drills are placed in the set according to screw size. Head is placed to faces which are approved of safeness for sending the screws. The smallest drill is sent from the guide which is passed to screw hole. The last drill determines the screw length. Drills shouldn't be used without guides. Guide length 'are added to drill length



The screw which has appropriate measure is taken with screw holder first, it is affixed to flexible screw hole. Complete squeeze is not done with flexible screwdriver



The last squeeze of acetabulum screws must be done with universal screwdriver, Screw must sit to its hole completely. If it Does not sit completely to its hole it causes insert not sitting completely to its place



Owing to Insert impactor, insert is nailed to head. 0°, 10° and 20° insert exits



Assembling of the system

