

Hip Prosthesis



ORTHOPEDIC
CATALOGUE

GEOORTHO Hip Prosthesis

Primary Cementless Femoral Stem Prosthesis

012.1 GEOORTHO Cementless Stem Carborundum Sprayed (Titanium)



Spec(Distal Diameter *Stem Length)	Femoral Canal Reamer	Titanium
1#(Ø7.5*130)	7.5	012.1.TI01
2#(Ø9.0*140)	9.0	012.1.TI2.
3#(Ø10.5*150)	010.	012.1.TI03
4#(Ø12.0*160)	012.	012.1.TI04
5#(Ø13.5*170)	013.	012.1.TI05
6#(Ø20.0*180)	20.0	012.1.TI06
7#(Ø16.5*190)	16.5	012.1.TI07
8#(Ø18.0*200)	18	012.1.TI08

012.2 GEOORTHO Cementless Stem HA(Hydroxy Apatetic)Coated (Titanium)



Spec(Distal Diameter *Stem Length)	Femoral Canal Reamer	Titanium
1#(Ø7.5*130)	7.5	012.2.TI01
2#(Ø9.0*140)	9.0	012.2.TI2.
3#(Ø10.5*150)	010.	012.2.TI03
4#(Ø12.0*160)	012.	012.2.TI04
5#(Ø13.5*170)	013.	012.2.TI05
6#(Ø20.0*180)	20.0	012.2.TI06
7#(Ø16.5*190)	16.5	012.2.TI07
8#(Ø18.0*200)	18	012.2.TI08

012.3 GEOORTHO Cementless Stem Titanium Sprayed (Titanium)



Spec(Distal Diameter *Stem Length)	Femoral Canal Reamer	Titanium
1#(Ø7.5*130)	7.5	012.3.TI01
2#(Ø9.0*140)	9.0	012.3.TI2.
3#(Ø10.5*150)	010.	012.3.TI03
4#(Ø12.0*160)	012.	012.3.TI04
5#(Ø13.5*170)	013.	012.3.TI05
6#(Ø20.0*180)	20.0	012.3.TI06
7#(Ø16.5*190)	16.5	012.3.TI07
8#(Ø18.0*200)	18	012.3.TI08

012.4 GEOORTHO Cementless Stem Carborundum Sprayed High Nitrogen Stainless Steel (HNS)



Spec(Distal Diameter *Stem Length)	Femoral Canal Reamer	HNS
1#(Ø7.5*130)	7.5	012.4.HNS01
2#(Ø9.0*140)	9.0	012.4.HNS2.
3#(Ø10.5*150)	10.5	012.4.HNS03
4#(Ø12.0*160)	012.	012.4.HNS04
5#(Ø13.5*170)	13.5	012.4.HNS05
6#(Ø15.0*180)	15.0	012.4.HNS06
7#(Ø16.5*190)	16.5	012.4.HNS07

GEOORTHO Hip Prosthesis

Primary Cemented Femoral Stem Prosthesis

012.5 GEOORTHO Cemented Stem I with Collar Cobalt Chrome Molybdenum(CO-Cr-MO)



012.6 GEOORTHO Cemented Stem II with Collar CO-Cr-MO



Spec(Distal Diameter *Stem Length)	Femoral Canal Reamer	CO-Cr-MO
0#(Ø7.5*120)	9.0	012.5.CCO01
1#(Ø9.0*130)	010.	012.5.CCO2.
2#(Ø10.5*140)	012.	012.5.CCO03
3#(Ø12.0*150)	013.	012.5.CCO04
4#(Ø13.5*160)	20.0	012.5.CCO05
5#(Ø20.0*170)	16.5	012.5.CCO06
6#(Ø16.5*180)	18	012.5.CCO07
7#(Ø18.0*190)	19.5	012.5.CCO08

Spec(Distal Diameter *Stem Length)	Femoral Canal Reamer	CO-Cr-MO
0#(Ø7.5*120)	9.0	012.6.CCO01
1#(Ø9.0*130)	10.5	012.6.CCO2.
2#(Ø10.5*140)	012.	012.6.CCO03
3#(Ø12.0*150)	13.5	012.6.CCO04
4#(Ø13.5*160)	15.0	012.6.CCO05
5#(Ø15.0*170)	16.5	012.6.CCO06
6#(Ø16.5*180)	18	012.6.CCO07
7#(Ø18.0*190)	19.5	012.5.CCO08

012.7 GEOORTHO Collarless Cemented Stem (Stainless Steel)



Spec(Distal Diameter *Stem Length)	Femoral Canal Reamer	HNS	SS317 L
0#(Ø7.5*120)	9.0	012.7.HNS01	012.7.SS01
1#(Ø9.0*130)	010.	012.7.HNS2.	012.7.SS2.
2#(Ø10.5*140)	5	012.7.HNS03	012.7.SS03
3#(Ø12.0*150)	012.	012.7.HNS04	012.7.SS04
4#(Ø13.5*160)	0	012.7.HNS05	012.7.SS05

GEOORTHO Hip Prosthesis

Revision Femoral Stem Prosthesis

012.8 GEOORTHO Revision Cemented Stem I with Collar Co-Cr-MO



012.9 GEOORTHO Revision Cemented Stem II with Collar Co-Cr-MO



Spec(Distal Diameter *Stem Length)	Femoral Canal Reamer	CO-Cr-MO
5#(Ø12.0*170)	010.	012.8.CCO01
5#(Ø13.5*170)	012.	012.8.CCO2.
5#(Ø20.0*170)	013.	012.8.CCO03
5#(Ø16.5*170)	20.0	012.8.CCO04

Spec(Distal Diameter *Stem Length)	Femoral Canal Reamer	CO-Cr-MO
7#(Ø12.0*170)	10.5	012.9.CCO01
7#(Ø13.5*170)	012.	012.9.CCO2.
7#(Ø15.0*170)	13.5	012.9.CCO03
7#(Ø16.5*170)	15.0	012.9.CCO04

GEOORTHO Hip Prosthesis

Acetabular Cups

012.10 Cementless Cup 3 Holes and 60°Lip Carborundum Sprayed (Titanium)



Spec(outer/inner Diam)	Acetabular Reamer	Matching femoral Head	Titanium
Ø40/Ø22	40	22	012.010.TI40
Ø42/Ø22	42	22	012.010.TI42
Ø44/Ø22	44	22	012.010.TI24
Ø46/Ø22	46	22	012.010.TI46
Ø48/Ø22	48	22	012.010.TI48
Ø50/Ø28	50	28	012.010.TI50
Ø52/Ø28	52	28	012.010.TI52
Ø54/Ø28	54	28	012.010.TI54
Ø56/Ø28	56	28	012.010.TI56
Ø58/Ø28	58	28	012.010.TI58
Ø60/Ø28	60	28	012.010.TI60
Ø62/Ø28	62	28	012.010.TI62
Ø64/Ø28	64	28	012.010.TI64
Ø66/Ø28	66	28	012.010.TI66

012.11 Cementless Cup 3 Holes and 60°Lip HA Coated (Titanium)



Spec(outer/inner Diam)	Acetabular Reamer	Matching femoral Head	Titanium
Ø40/Ø22	40	22	012.11.TI40
Ø42/Ø22	42	22	012.11.TI42
Ø44/Ø22	44	22	012.11.TI24
Ø46/Ø22	46	22	012.11.TI46
Ø48/Ø22	48	22	012.11.TI48
Ø50/Ø28	50	28	012.11.TI50
Ø52/Ø28	52	28	012.11.TI52
Ø54/Ø28	54	28	012.11.TI54
Ø56/Ø28	56	28	012.11.TI56
Ø58/Ø28	58	28	012.11.TI58
Ø60/Ø28	60	28	012.11.TI60
Ø62/Ø28	62	28	012.11.TI62
Ø64/Ø28	64	28	012.11.TI64
Ø66/Ø28	66	28	012.11.TI66

012.12 Cementless Cup 3 Holes and 60°Lip Titanium Sprayed (Titanium)



Spec(outer/inner Diam)	Acetabular Reamer	Matching femoral Head	Titanium

012.13 Cementless Cup 3 Holes and 60°Lip Carborundum Sprayed HNS



Spec(outer/inner Diam)	Acetabular Reamer	Matching femoral Head	HNS
Ø40/Ø22	40	22	012.13.HNS40
Ø42/Ø22	42	22	012.13.HNS42
Ø44/Ø22	44	22	012.13.HNS24
Ø46/Ø22	46	22	012.13.HNS46
Ø48/Ø22	48	22	012.13.HNS48
Ø50/Ø28	50	28	012.13.HNS50
Ø52/Ø28	52	28	012.13.HNS52
Ø54/Ø28	54	28	012.13.HNS54
Ø56/Ø28	56	28	012.13.HNS56
Ø58/Ø28	58	28	012.13.HNS58
Ø60/Ø28	60	28	012.13.HNS60
Ø62/Ø28	62	28	012.13.HNS62
Ø64/Ø28	64	28	012.13.HNS64
Ø66/Ø28	66	28	012.13.HNS66

Ø40/Ø22	40	22	012.012.TI40
Ø42/Ø22	42	22	012.012.TI42
Ø44/Ø22	44	22	012.012.TI24
Ø46/Ø22	46	22	012.012.TI46
Ø48/Ø22	48	22	012.012.TI48
Ø50/Ø28	50	28	012.012.TI50
Ø52/Ø28	52	28	012.012.TI52
Ø54/Ø28	54	28	012.012.TI54
Ø56/Ø28	56	28	012.012.TI56
Ø58/Ø28	58	28	012.012.TI58
Ø60/Ø28	60	28	012.012.TI60
Ø62/Ø28	62	28	012.012.TI62
Ø64/Ø28	64	28	012.012.TI64
Ø66/Ø28	66	28	012.012.TI66

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012.14 Polyethylene Liner (UHMWPE)



Spec(outer/inner Diam)	Acetabular Reamer	Matching femoral Head	UHMWPE
Ø40/Ø22	40	22	012.014.40
Ø42/Ø22	42	22	012.014.42
Ø44/Ø22	44	22	012.014.44
Ø46/Ø22	46	22	012.014.46
Ø48/Ø22	48	22	012.014.48
Ø50/Ø28	50	28	012.014.50
Ø52/Ø28	52	28	012.014.52
Ø54/Ø28	54	28	012.014.54
Ø56/Ø28	56	28	012.014.56
Ø58/Ø28	58	28	012.014.58
Ø60/Ø28	60	28	012.014.60
Ø62/Ø28	62	28	012.014.62
Ø64/Ø28	64	28	012.014.64
Ø66/Ø28	66	28	012.014.66

012.15 Fixation Screw (Titanium)



Dia	Length	Titanium
Ø6.5	15	012.15.TI15
Ø6.5	20	012.15.TI20
Ø6.5	25	012.15.TI25
Ø6.5	30	012.15.TI30
Ø6.5	35	012.15.TI35
Ø6.5	40	012.15.TI40
Ø6.5	45	012.15.TI45
Ø6.5	50	012.15.TI50
Ø6.5	55	012.15.TI55
Ø6.5	60	012.15.TI60

012.16 Cemented Cup (UHMWPE)



Spec(outer/inner Diam)	Acetabular Reamer	UHMWPE
Ø40/Ø22	42	012.16.40
Ø42/Ø22	44	012.16.42
Ø44/Ø22	46	012.16.44
Ø46/Ø22	48	012.16.46
Ø48/Ø22	50	012.16.48
Ø50/Ø28	52	012.16.50
Ø52/Ø28	54	012.16.52
Ø54/Ø28	56	012.16.54
Ø56/Ø28	58	012.16.56
Ø58/Ø28	60	012.16.58
Ø60/Ø28	62	012.16.60
Ø62/Ø28	64	012.16.62
Ø64/Ø28	66	012.16.64
Ø66/Ø28	68	012.16.66

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012.17 Bipolar Femoral Head Co-Cr- Mo &PE



Spec(outer/inner Diameter)	Matching Femoral Head	CO-Cr-MO
Ø38/22	Ø22	012.17.CCO38
Ø40/22	Ø22	012.17.CCO40
Ø42/22	Ø22	012.17.CCO42
Ø44/22	Ø22	012.17.CCO44
Ø46/28	Ø28	012.17.CCO46
Ø48/28	Ø28	012.17.CCO48
Ø50/28	Ø28	012.17.CCO50
Ø52/28	Ø28	012.17.CCO52
Ø54/28	Ø28	012.17.CCO54

012.18 Bipolar Femoral Head HNS & PE



Spec(outer/inner Diameter)	Matching Femoral Head	HNS
Ø38/22	Ø22	012.18.HNS38
Ø40/22	Ø22	012.18.HNS40
Ø42/22	Ø22	012.18.HNS42
Ø44/22	Ø22	012.18.HNS44
Ø46/28	Ø28	012.18.HNS46
Ø48/28	Ø28	012.18.HNS48
Ø50/28	Ø28	012.18.HNS50
Ø52/28	Ø28	012.18.HNS52
Ø54/28	Ø28	012.18.HNS54

012.19 Bipolar Femoral Head SS 317 L &PE



Spec(outer/inner Diameter)	Matching Femoral Head	SS317 L
Ø38/22	Ø22	012.19.SS38
Ø40/22	Ø22	012.19.SS40
Ø42/22	Ø22	012.19.SS42
Ø44/22	Ø22	012.19.SS44
Ø46/28	Ø28	012.19.SS46
Ø48/28	Ø28	012.19.SS48
Ø50/28	Ø28	012.19.SS50
Ø52/28	Ø28	012.19.SS52
Ø54/28	Ø28	012.19.SS54

012.20 Changeable Femoral Head Co-Cr-Mo



Spec(outer/inner Diameter)	CO-Cr-MO
Ø22/0	012.20.CC01
Ø22/+4	012.20.CC2.
Ø22/+8	012.20.CC03
Ø28/-4	012.20.CC04
Ø28/0	012.20.CC05
Ø28/+4	012.20.CC06
Ø28/+8	012.20.CC07
Ø28/+12	012.20.CC08

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012.21 Changeable Femoral Head HNS



Spec(outer/inner Diameter)	HNS
Ø22/0	012.21.HNS01
Ø22/+4	012.21.HNS2.
Ø22/+8	012.21.HNS03
Ø28/-4	012.21.HNS04
Ø28/0	012.21.HNS05
Ø28/+4	012.21.HNS06
Ø28/+8	012.21.HNS07
Ø28/+12	012.21.HNS08

012.22 Changeable Femoral Head SS 317 L



Spec(outer/inner Diameter)	SS317 L
Ø22/0	012.22.SS01
Ø22/+4	012.22.SS2.
Ø22/+8	012.22.SS03
Ø28/-4	012.22.SS04
Ø28/0	012.22.SS05
Ø28/+4	012.22.SS06
Ø28/+8	012.22.SS07
Ø28/+12	012.22.SS08

012.23 Centralizer (UHMWPE)



Spec	UHMWPE
0	012.23.01
1	012.23.2.
2	012.23.03
3	012.23.04
4	012.23.05
5	012.23.06
6	012.23.07
7	012.23.08
8	012.23.09
9	012.23.10

012.24 Cement Restrictor (UHMWPE)

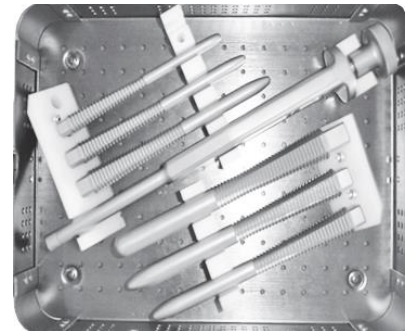
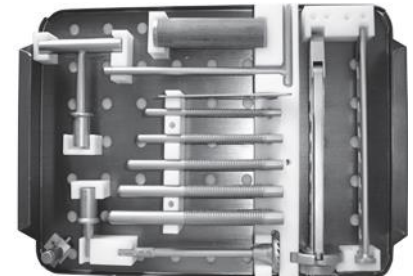
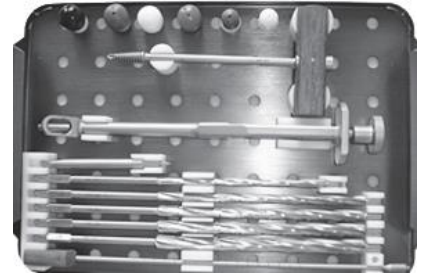


Spec	UHMWPE
Ø11	012.24.01
Ø12	012.24.2.
Ø13	012.24.03
Ø14	012.24.04
Ø15	012.24.05
Ø16	012.24.06
Ø17	012.24.07
Ø18	012.24.08
Ø19	012.24.09
Ø20	012.24.10
Ø21	012.24.11

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012.25 Instruments for Femoral canal

Code	Description	Spec
012.25.01	Femoral Canal Reamer	Ø7.5
012.25.2.	Femoral Canal Reamer	Ø9.0
012.25.03	Femoral Canal Reamer	ØØ10.5
012.25.04	Femoral Canal Reamer	ØØ12.0
012.25.05	Femoral Canal Reamer	ØØ13.5
012.25.06	Femoral Head Trial	Ø28/4(yellow)
012.25.07	Femoral Head Trial	Ø28/0 (white)
012.25.08	Femoral Head Trial	Ø28/+4 (blue)
012.25.09	Femoral Head Trial	Ø28/+8 (black)
012.25.10	Femoral Head Trial	Ø22/0 (white)
012.25.11	Femoral Head Trial	Ø22/+4 (blue)
012.25.12	Femoral Canal Broach	Ø9.0
012.25.13	Femoral Canal Broach	ØØ10.5
012.25.14	Femoral Canal Broach	ØØ12.0
012.25.15	Femoral Canal Broach	ØØ13.5
012.25.16	Femoral Canal Broach	Ø20.0
012.25.17	Femoral Head Extractor	
012.25.18	Femoral Head Extractor	
012.25.19	Femoral Head Extractor	
012.25.20	Restrictor Holder	
012.25.21	Restrictor Holder	
012.25.22	Restrictor Holder	
012.25.23	Restrictor Holder	
012.25.24	Cut Bone Scale	
012.25.25	Cut Bone Scale	
012.25.26	Cut Bone Scale	
012.25.27	Cut Bone Scale	
012.25.28	Incision Chisel	
012.25.29	Incision Chisel	
012.25.30	Incision Chisel	
012.25.31	Incision Chisel	
012.25.32	Femoral Canal Broach Handle	
012.25.33	Femoral Canal Broach Handle	
012.25.34	Femoral Canal Broach Handle	
012.25.35	Femoral Canal Broach Handle	
012.25.36	Femoral Length Grinding File	
012.25.37	Femoral Length Grinding File	
012.25.38	Femoral Length Grinding File	
012.25.39	Femoral Length Grinding File	
012.25.40	Base of Femoral Head Trial	
012.25.41	Base of Femoral Head Trial	
012.25.42	Base of Femoral Head Trial	
012.25.43	Base of Femoral Head Trial	
012.25.44	Changeable Femoral Head Impactor	
012.25.45	Changeable Femoral Head Impactor	
012.25.46	Changeable Femoral Head Impactor	
012.25.47	Changeable Femoral Head Impactor	
012.25.48	T-shape Handle	
012.25.49	Quick Chuck Ø6.0	
012.25.50	Stem Extractor	
012.25.51	Bone Cement Muddler	
012.25.52	Stem Impactor	
012.25.53	Box for Femoral canal instruments	



GEOORTHO Hip Prosthesis

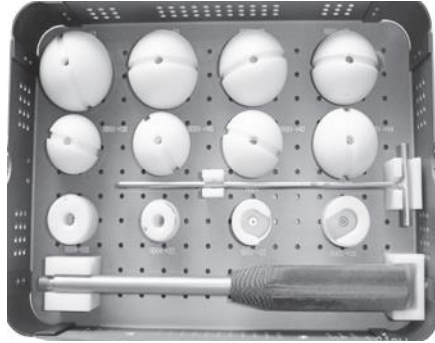
012.26 Instruments for Revision



Code	Description	Number
012.26.01	Acetabulum Chisel	1
012.26.2.	Head Extractor	2
012.26.03	Stem Extractor	3
012.26.04	Broken Nail Extractor	4
012.26.05	Aiguille Localizer	5
012.26.06	Curette	6
012.26.07	Lengthened Aiguille	7
012.26.08	Screw Tap	8
012.26.09	Dish-like Drill	9
012.26.10	Restrictor Extractor	10
012.26.11	Emei Chisel	11
012.26.12	Extraction Claw	12
012.26.13	Needle for eliminate debris	13
012.26.14	Box for Revision Instruments	

GEOORTHO Hip Prosthesis

012.27 Bipolar Instruments

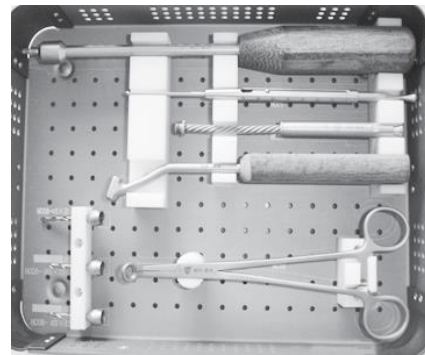
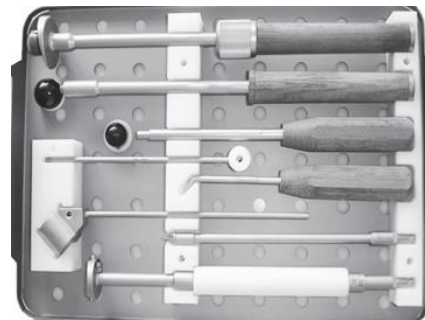


Code	Description	Spec
012.27.01	Bipolar Trial	Ø38
012.27.2.	Bipolar Trial	Ø40
012.27.03	Bipolar Trial	Ø42
012.27.04	Bipolar Trial	Ø44
012.27.05	Bipolar Trial	Ø46
012.27.06	Bipolar Trial	Ø48
012.27.07	Bipolar Trial	Ø50
012.27.08	Bipolar Trial	Ø52
012.27.09	Bipolar Trial Handle	
012.27.10	Changeable Femoral Head Extractor	Ø22
012.27.11	Changeable Femoral Head Extractor	Ø28
012.27.12	Bipolar Trial Connector	Ø22
012.27.13	Bipolar Trial Connector	Ø28
012.27.14	Bipolar Trial Extraction Claw	
012.27.15	Box for Bipolar Instruments	

GEOORTHO Hip Prosthesis

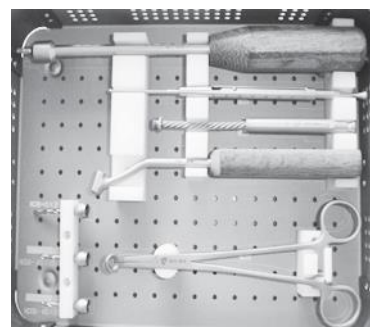
012.28 Acetabular Cup Instruments

Code	Description	Spec
012.28.01	Acetabulum Reamer	Ø44
012.28.2.	Acetabulum Reamer	Ø46
012.28.03	Acetabulum Reamer	Ø48
012.28.04	Acetabulum Reamer	Ø50
012.28.05	Acetabulum Reamer	Ø52
012.28.06	Acetabulum Reamer	Ø54
012.28.07	Acetabulum Reamer	Ø56
012.28.08	Acetabulum Reamer	Ø58
012.28.09	Acetabulum Reamer	Ø60
012.28.10	Acetabulum Reamer	Ø62
012.28.11	Acetabular Trial Cup	Ø44
012.28.12	Acetabular Trial Cup	Ø46
012.28.13	Acetabular Trial Cup	Ø48
012.28.14	Acetabular Trial Cup	Ø50
012.28.15	Acetabular Trial Cup	Ø52
012.28.16	Acetabular Trial Cup	Ø54
012.28.17	Acetabular Trial Cup	Ø56
012.28.18	Acetabular Trial Cup	Ø58
012.28.19	Acetabular Trial Cup	Ø60
012.28.20	Acetabular Trial Cup	Ø62
012.28.21	Acetabular Trial Liner	Ø46
012.28.22	Acetabular Trial Liner	Ø48
012.28.23	Acetabular Trial Liner	Ø50
012.28.24	Acetabular Trial Liner	Ø52
012.28.25	Acetabular Trial Liner	Ø54
012.28.26	Acetabular Trial Liner	Ø56
012.28.27	Acetabular Trial Liner	Ø58
012.28.28	Acetabular Trial Liner	Ø60
012.28.29	Acetabular Trial Liner	Ø62
012.28.30	Acetabulum (Cup) Reamer Handle	
012.28.31	Metal Cup Driver	
012.28.32	Angle Protractor	
012.28.33	Cup Liner Driver	Ø22
012.28.34	Cup Liner Driver	Ø28
012.28.35	Acetabulum Drill	
012.28.36	Acetabulum dotting punch	
012.28.37	Cement Cup Impactor Plastic Head	
012.28.38	Metal Cup Liner Extractor	
012.28.39	Box for Acetabular Instruments	



012.29 Instruments for Screw Fixation

Code	Description
012.29.01	Aiguille Localizer
012.29.2.	Flexible Drill
012.29.03	Aiguille
012.29.04	Sounding Gear
012.29.05	Nail Holder
012.29.06	Multi-direction Screwdriver
012.29.07	Box for Screw Fixation Instruments



GEOORTHO Hip Prosthesis

Surgical Technique -Cemented Total Hip



Use Incision Drill to cut femoral piriform sinus.



Use bone cut scale to determine the osteotomy surface of femoral neck and retain Calcar femoral 0.8 ~ 1.5cm.



Use the reamer close to the trochanter major to Expand the medullary cavity.



Gradually increase femoral canal broach to rasp the medullary cavity until close to the size of the prosthesis, and pay attention to the anteversion.

Ream the canal with a guidance reamer to prepare it for enlarging.



Place the base of femoral head trial in the femoral canal broach and select the proper femoral head trial for restoration after the installation of acetabular trial cup.



Use restrictor holder to place the restrictor into the medullary cavity, then inject and press the bone Cement. Remark: depth of restrictor=stem length+20mm.



Use stem impactor to place the proper prosthesis with centralizer into the medullary cavity, and pay attention to the anteversion.



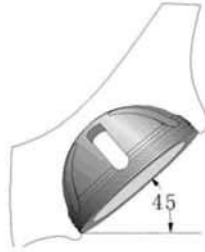
Use femoral head extractor to remove the femoral head.

GEOORTHO Hip Prosthesis

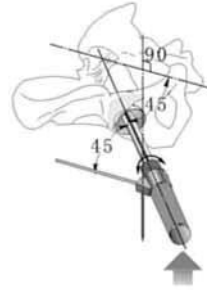
Surgical Technique -Cemented Total Hip



Use acetabular reamer from small to large to rasp acetabular fossa, and pay attention to the angle.



Place the acetabular trial cup into the acetabular fossa for choosing the proper size of acetabular component.



After injection of bone cement to the acetabular fossa, place the prosthesis into the acetabular fossa with compression and fixation, pay attention to the angle.



Clear the excess bone cement of the femoral canal and acetabular fossa, and install the femoral head prosthesis then restore them, after the X-ray detection, the surgery comes to the end.