KYOCERA

Ver.2.0



Initia®

Total Hip System

KYOCERA Corporation

Initia®

Total Hip System

Kyocera GLOB



DESIGN

The Initia femoral stem design is our global model, with Ti-Growth® C porous plasma spray technology as its key feature.

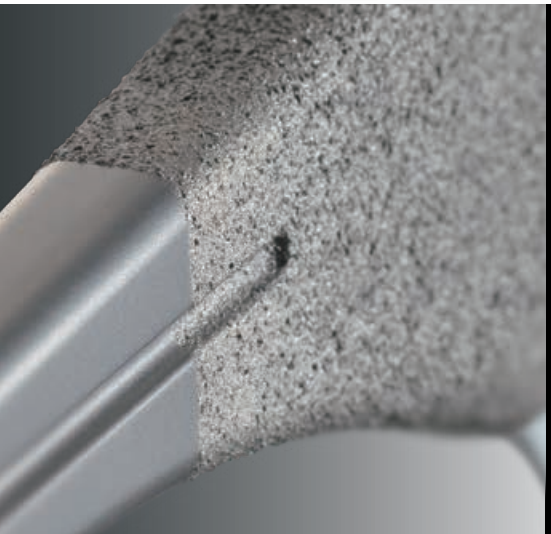
COATING

Gradational coating technology is used on the distal 10-mm length of the porous sprayed area to prevent stress concentration.

This brochure provides product information for markets outside Japan. Product specifications and availability differ from those in Japan.



AL MODEL



OFFSET

The offset can be increased in the horizontal direction without changing leg length.



Initia® Femoral Stem

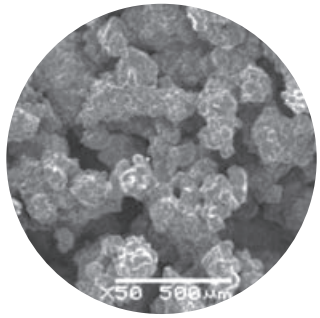
Tapered-wedge Design

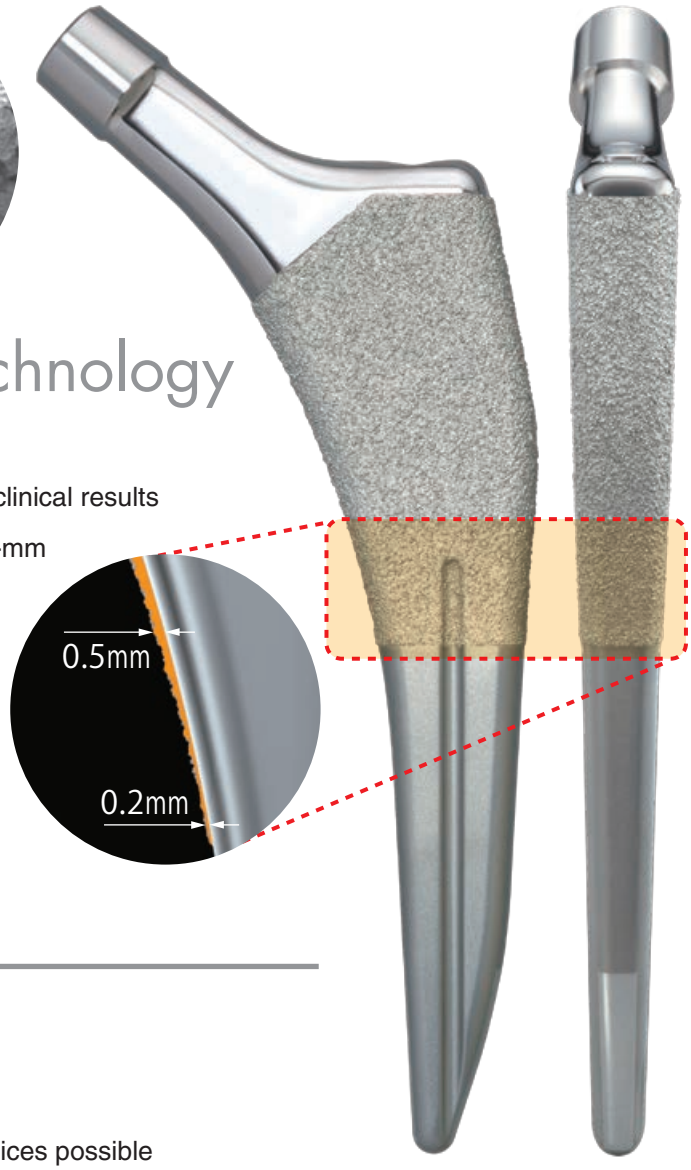
The tapered-wedge design stem is rotation resistant with its medial and lateral sides in close contact with the cortical bone. Bone preservation and gradual load transfer from proximal to distal can be achieved. The stem is also suitable for minimally invasive procedures because of its laterally reduced design, thin shape and short length.



The stem is available in smaller size pitches to be applicable to a wider range of patients.

outline of stem size





Surface Treatment Technology

Ti-Growth® C*

The used plasma coating technology has proven clinical results globally. The thickness of coating on the distal 10-mm length of sprayed area increases gradationally from distal (0.2 mm) to proximal (0.5 mm) to prevent stress concentration.

* Ti-Growth is a registered trademark of LINCOTEK TRENTO S.p.A.

Size Variation

A greater variety of stem sizes make a wider range of stem choices possible intraoperatively. 17 sizes with 2 offset types (STD and HO) are available.



* OPTION

Acetabular Cup System



Initia® Acetabular Shell

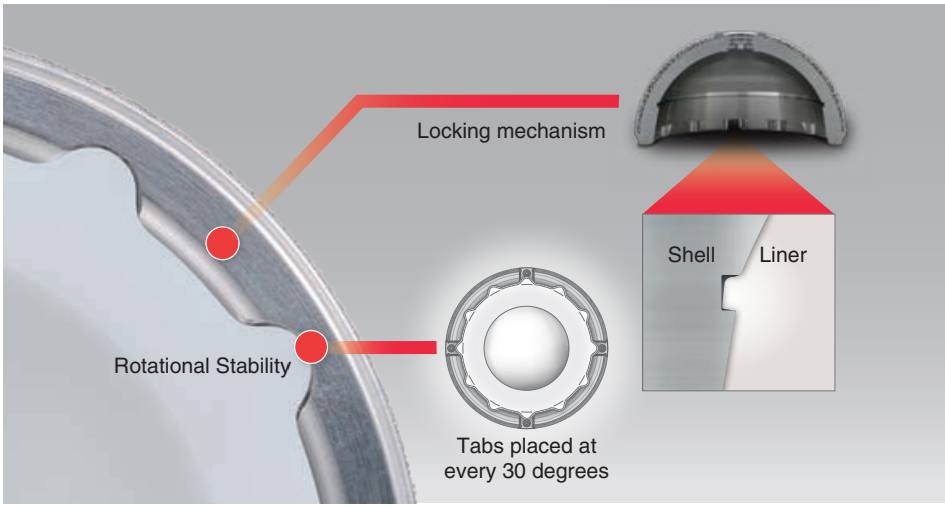
Initia® acetabular shell offers, 3 hole and Multi-hole hemispherical shell. It's polished inner surface minimizes backside wear of polyethylene liner, and the outer surface coated with "Ti-Growth® C" enhances initial stability.

Shell Hole Type

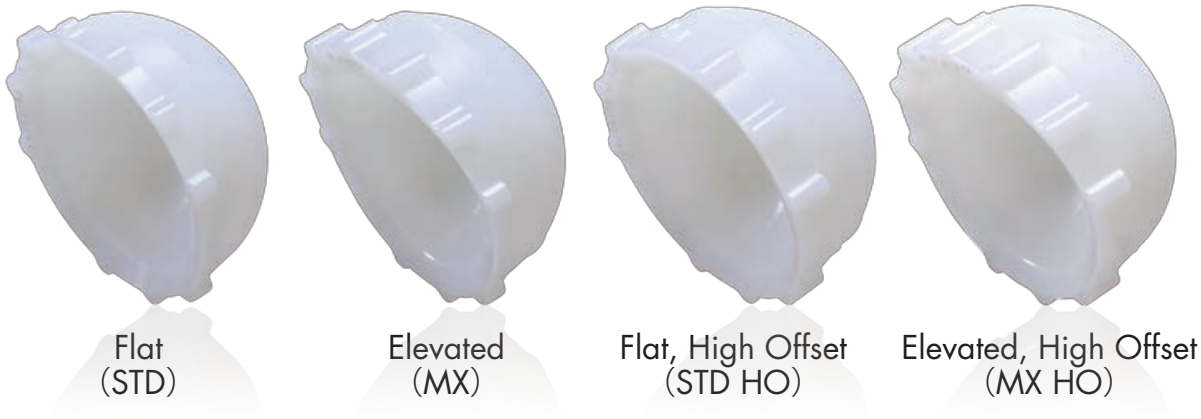


Initia® Acetabular Liner

Initia® Acetabular Liner is made of GUR 1020 resin moderately crosslinked at 7.5 Mrad annealed, and sterilized with gas plasma. The locking tabs of the liner fit corresponding locking grooves of the shell to provide rotational stability.



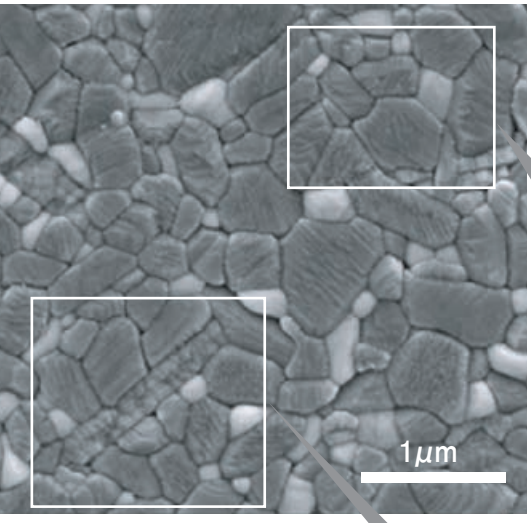
Liner Type



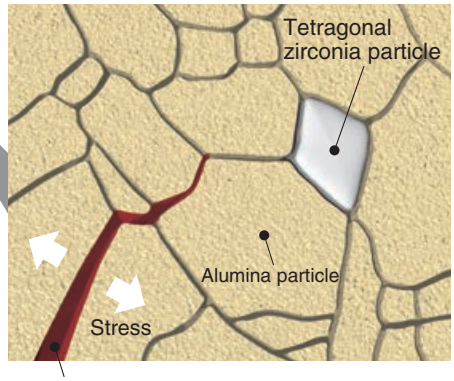
BIOCERAM AZUL® Ceramic Head

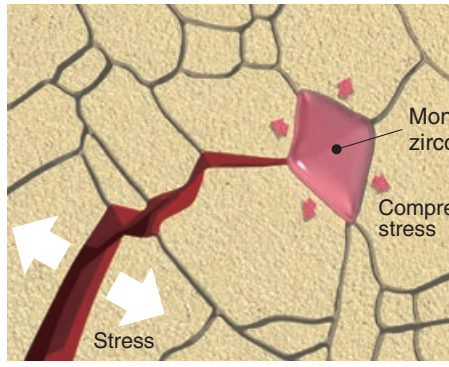
High Strength and Toughness

BIOCERAM AZUL® has high strength and toughness due to the even dispersion of minute crystal grains and zirconia particles. In addition, stress relaxation due to the zirconia particles and the crack diverting effect of alumina plate crystals are also considered factors in its high strength and toughness.



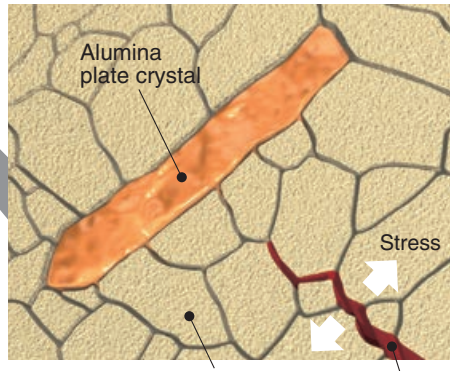
Stress relaxation from crystalline phase transition caused by the even dispersal of zirconia particles

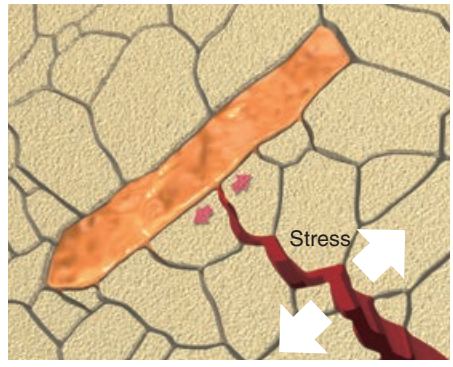




Stress relaxation due to crystalline phase transition

Crack diverting effect of scattered alumina plate crystals



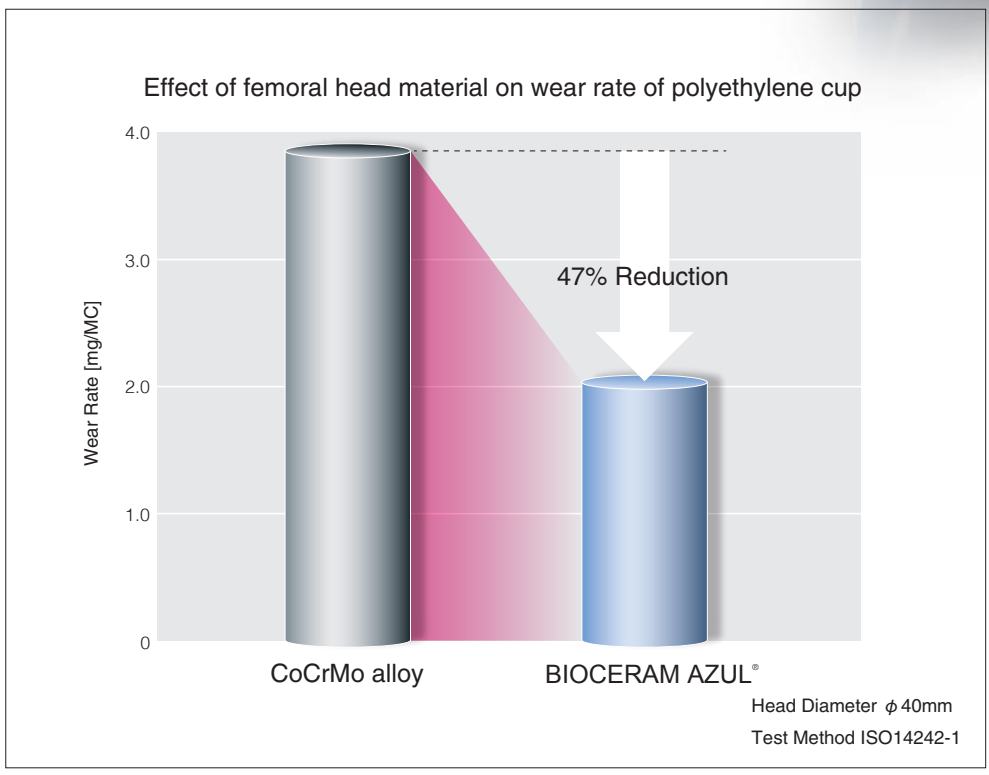


Diverting effect of alumina plate crystals



Low Wear

Wear test using a hip simulator was conducted to evaluate the wear characteristics of BIOCERAM AZUL® ceramic head, and it was compared with CoCrMo Alloy.



Tests were conducted with Initia® Acetabular Liner.

Ordering Information

Initia® **Stem**



STD

Size	Catalog No.	Description
1	GMH02-500013	INITIA STEM STD #1
2	GMH02-500015	INITIA STEM STD #2
3	GMH02-500017	INITIA STEM STD #3
4	GMH02-500019	INITIA STEM STD #4
5	GMH02-500021	INITIA STEM STD #5
6	GMH02-500023	INITIA STEM STD #6
6.5	GMH02-500024	INITIA STEM STD #6.5
7	GMH02-500025	INITIA STEM STD #7
8	GMH02-500026	INITIA STEM STD #8
9	GMH02-500027	INITIA STEM STD #9
10	GMH02-500028	INITIA STEM STD #10
11	GMH02-500029	INITIA STEM STD #11

Initia® **Stem (option)**

Size	Catalog No.	Description
1.5	GMH02-500014	INITIA STEM STD #1.5
2.5	GMH02-500016	INITIA STEM STD #2.5
3.5	GMH02-500018	INITIA STEM STD #3.5
4.5	GMH02-500020	INITIA STEM STD #4.5
5.5	GMH02-500022	INITIA STEM STD #5.5



HO

Size	Catalog No.	Description
1	GMH02-500032	INITIA STEM HO #1
2	GMH02-500034	INITIA STEM HO #2
3	GMH02-500036	INITIA STEM HO #3
4	GMH02-500038	INITIA STEM HO #4
5	GMH02-500040	INITIA STEM HO #5
6	GMH02-500042	INITIA STEM HO #6
6.5	GMH02-500043	INITIA STEM HO #6.5
7	GMH02-500044	INITIA STEM HO #7
8	GMH02-500045	INITIA STEM HO #8
9	GMH02-500046	INITIA STEM HO #9
10	GMH02-500047	INITIA STEM HO #10
11	GMH02-500048	INITIA STEM HO #11

Size	Catalog No.	Description
1.5	GMH02-500033	INITIA STEM HO #1.5
2.5	GMH02-500035	INITIA STEM HO #2.5
3.5	GMH02-500037	INITIA STEM HO #3.5
4.5	GMH02-500039	INITIA STEM HO #4.5
5.5	GMH02-500041	INITIA STEM HO #5.5

Material: Titanium Alloy

Metal Head



O/D	Offset	Catalog No.	Description	
28	-3.5	GMH03-400006	METAL HEAD 28 -3.5	Options
	0	GMH03-400007	METAL HEAD 28 +0	
	3.5	GMH03-400008	METAL HEAD 28 +3.5	
32	-3.5	GMH03-400011	METAL HEAD 32 -3.5	
	0	GMH03-400012	METAL HEAD 32 +0	
	3.5	GMH03-400013	METAL HEAD 32 +3.5	
	7	GMH03-400014	METAL HEAD 32 +7	
36	-3.5	GMH03-400015	METAL HEAD 36 -3.5	
	0	GMH03-400016	METAL HEAD 36 +0	
	3.5	GMH03-400017	METAL HEAD 36 +3.5	
	7	GMH03-400018	METAL HEAD 36 +7	
40	-3.5	GMH03-400021	METAL HEAD 40 -3.5	Options
	0	GMH03-400022	METAL HEAD 40 +0	
	3.5	GMH03-400023	METAL HEAD 40 +3.5	
	7	GMH03-400024	METAL HEAD 40 +7	
	10.5	GMH03-400025	METAL HEAD 40 +10.5	

Material: CoCrMo Alloy

BIOCERAM AZUL® Head



O/D	Offset	Catalog No.	Description	
28	-3.5	GMH04-400056	AZUL HEAD 28 -3.5	Options
	0	GMH04-400057	AZUL HEAD 28 +0	
	3.5	GMH04-400058	AZUL HEAD 28 +3.5	
32	-3.5	GMH04-400061	AZUL HEAD 32 -3.5	
	0	GMH04-400062	AZUL HEAD 32 +0	
	3.5	GMH04-400063	AZUL HEAD 32 +3.5	
	7	GMH04-400064	AZUL HEAD 32 +7	
36	-3.5	GMH04-400065	AZUL HEAD 36 -3.5	
	0	GMH04-400066	AZUL HEAD 36 +0	
	3.5	GMH04-400067	AZUL HEAD 36 +3.5	
	7	GMH04-400068	AZUL HEAD 36 +7	
40	-3.5	GMH04-400071	AZUL HEAD 40 -3.5	Options
	0	GMH04-400072	AZUL HEAD 40 +0	
	3.5	GMH04-400073	AZUL HEAD 40 +3.5	
	7	GMH04-400074	AZUL HEAD 40 +7	

Material: BIOCERAM AZUL

Ordering Information

Initia® Shell

Type	Size	Catalog No.	Description	
 Multi-hole	M5 44	GMH02-100003	INITIA SHELL 44-5H	Option
	M7 46	GMH02-100004	INITIA SHELL 46-7H	
	M7 48	GMH02-100005	INITIA SHELL 48-7H	
	M7 50	GMH02-100006	INITIA SHELL 50-7H	
	M7 52	GMH02-100007	INITIA SHELL 52-7H	
	M7 54	GMH02-100008	INITIA SHELL 54-7H	
	M7 56	GMH02-100009	INITIA SHELL 56-7H	
	M7 58	GMH02-100010	INITIA SHELL 58-7H	
	M7 60	GMH02-100011	INITIA SHELL 60-7H	
	M7 62	GMH02-100012	INITIA SHELL 62-7H	
	M7 64	GMH02-100013	INITIA SHELL 64-7H	
	M7 66	GMH02-100014	INITIA SHELL 66-7H	Options
	M7 68	GMH02-100015	INITIA SHELL 68-7H	
	M7 70	GMH02-100016	INITIA SHELL 70 7H	
	M7 72	GMH02-100017	INITIA SHELL 72-7H	
	M7 74	GMH02-100018	INITIA SHELL 74-7H	
 3 hole	CH 44	GMH02-100021	INITIA SHELL 44-3H	
	CH 46	GMH02-100022	INITIA SHELL 46-3H	
	CH 48	GMH02-100023	INITIA SHELL 48-3H	
	CH 50	GMH02-100024	INITIA SHELL 50-3H	
	CH 52	GMH02-100025	INITIA SHELL 52-3H	
	CH 54	GMH02-100026	INITIA SHELL 54-3H	
	CH 56	GMH02-100027	INITIA SHELL 56-3H	
	CH 58	GMH02-100028	INITIA SHELL 58-3H	
	CH 60	GMH02-100029	INITIA SHELL 60-3H	
	CH 62	GMH02-100030	INITIA SHELL 62-3H	
	CH 64	GMH02-100031	INITIA SHELL 64-3H	
	CH 66	GMH02-100032	INITIA SHELL 66-3H	Options
	CH 68	GMH02-100033	INITIA SHELL 68-3H	
	CH 70	GMH02-100034	INITIA SHELL 70 3H	
	CH 72	GMH02-100035	INITIA SHELL 72-3H	
	CH 74	GMH02-100036	INITIA SHELL 74-3H	

Material: Titanium Alloy

Bone Screw

	Length	Catalog No.	Description
	15	GMH06-900014	BONE SCREW 6.5X15MM
	20	GMH06-900015	BONE SCREW 6.5X20MM
	25	GMH06-900016	BONE SCREW 6.5X25MM
	30	GMH06-900017	BONE SCREW 6.5X30MM
	35	GMH06-900018	BONE SCREW 6.5X35MM
	40	GMH06-900019	BONE SCREW 6.5X40MM
	45	GMH06-900020	BONE SCREW 6.5X45MM
	50	GMH06-900021	BONE SCREW 6.5X50MM
	55	GMH06-900022	BONE SCREW 6.5X55MM
	60	GMH06-900023	BONE SCREW 6.5X60MM

Material: Titanium Alloy

Initia® Liner

Type	I/D	O/D	Catalog No.	Description	
Flat (STD)	28	44	GMH02-200086	STD LINER 28-44	Options
		46	GMH02-200087	STD LINER 28-46	
		48	GMH02-200088	STD LINER 28-48	
	32	46	GMH02-200125	STD LINER 32-46	
		48	GMH02-200126	STD LINER 32-48	
		50	GMH02-200127	STD LINER 32-50	
		52/54	GMH02-200128	STD LINER 32-52/54	
		56/58	GMH02-200129	STD LINER 32-56/58	
		60/64	GMH02-200130	STD LINER 32-60/64	
	36	50	GMH02-200157	STD LINER 36-50	
		52/54	GMH02-200158	STD LINER 36-52/54	
		56/58	GMH02-200159	STD LINER 36-56/58	
		60/64	GMH02-200160	STD LINER 36-60/64	
	40	56/58	GMH02-200181	STD LINER 40-56/58	Options
		60/64	GMH02-200182	STD LINER 40-60/64	
		66/70	GMH02-200183	STD LINER 40-66/70	
		72/74	GMH02-200184	STD LINER 40-72/74	

Type	I/D	O/D	Catalog No.	Description	
Elevated (MX)	28	44	GMH02-200106	MX LINER 28-44	Options
		46	GMH02-200107	MX LINER 28-46	
		48	GMH02-200108	MX LINER 28-48	
	32	46	GMH02-200141	MX LINER 32-46	
		48	GMH02-200142	MX LINER 32-48	
		50	GMH02-200143	MX LINER 32-50	
		52/54	GMH02-200144	MX LINER 32-52/54	
		56/58	GMH02-200145	MX LINER 32-56/58	
		60/64	GMH02-200146	MX LINER 32-60/64	
	36	50	GMH02-200169	MX LINER 36-50	
		52/54	GMH02-200170	MX LINER 36-52/54	
		56/58	GMH02-200171	MX LINER 36-56/58	
		60/64	GMH02-200172	MX LINER 36-60/64	
	40	56/58	GMH02-200189	MX LINER 40-56/58	Options
		60/64	GMH02-200190	MX LINER 40-60/64	
		66/70	GMH02-200191	MX LINER 40-66/70	
		72/74	GMH02-200192	MX LINER 40-72/74	

Initia® High Offset Liner

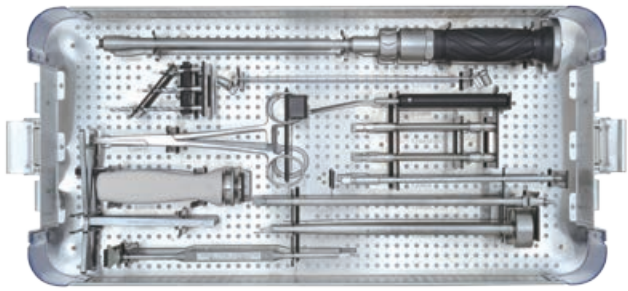
Type	I/D	O/D	Catalog No.	Description	
Flat, High Offset (STD HO)	28	44	GMH02-200096	STDHO LINER 28-44	Options
		46	GMH02-200097	STDHO LINER 28-46	
		48	GMH02-200098	STDHO LINER 28-48	
	32	46	GMH02-200133	STDHO LINER 32-46	
		48	GMH02-200134	STDHO LINER 32-48	
		50	GMH02-200135	STDHO LINER 32-50	
		52/54	GMH02-200136	STDHO LINER 32-52/54	
		56/58	GMH02-200137	STDHO LINER 32-56/58	
		60/64	GMH02-200138	STDHO LINER 32-60/64	
	36	50	GMH02-200163	STDHO LINER 36-50	
		52/54	GMH02-200164	STDHO LINER 36-52/54	
		56/58	GMH02-200165	STDHO LINER 36-56/58	
		60/64	GMH02-200166	STDHO LINER 36-60/64	
	40	56/58	GMH02-200185	STDHO LINER 40-56/58	Options
		60/64	GMH02-200186	STDHO LINER 40-60/64	
		66/70	GMH02-200187	STDHO LINER 40-66/70	
		72/74	GMH02-200188	STDHO LINER 40-72/74	

Type	I/D	O/D	Catalog No.	Description	
Elevated, High Offset (MX HO)	28	44	GMH02-200116	MXHO LINER 28-44	Options
		46	GMH02-200117	MXHO LINER 28-46	
		48	GMH02-200118	MXHO LINER 28-48	
	32	46	GMH02-200149	MXHO LINER 32-46	
		48	GMH02-200150	MXHO LINER 32-48	
		50	GMH02-200151	MXHO LINER 32-50	
		52/54	GMH02-200152	MXHO LINER 32-52/54	
		56/58	GMH02-200153	MXHO LINER 32-56/58	
		60/64	GMH02-200154	MXHO LINER 32-60/64	
	36	50	GMH02-200175	MXHO LINER 36-50	
		52/54	GMH02-200176	MXHO LINER 36-52/54	
		56/58	GMH02-200177	MXHO LINER 36-56/58	
		60/64	GMH02-200178	MXHO LINER 36-60/64	
	40	56/58	GMH02-200193	MXHO LINER 40-56/58	Options
		60/64	GMH02-200194	MXHO LINER 40-60/64	
		66/70	GMH02-200195	MXHO LINER 40-66/70	
		72/74	GMH02-200196	MXHO LINER 40-72/74	

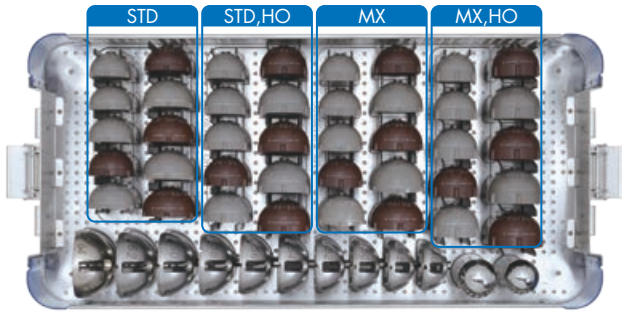
Material: UHMWPE (cross-linked)

Instrument Sets

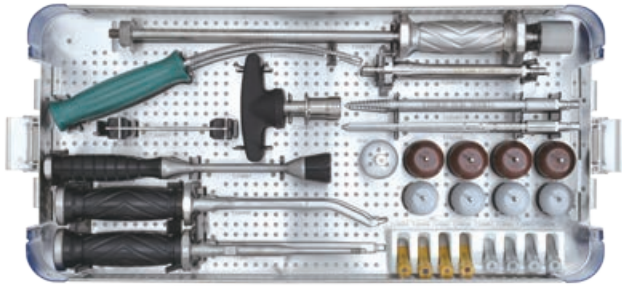
Acetabular Base Tray



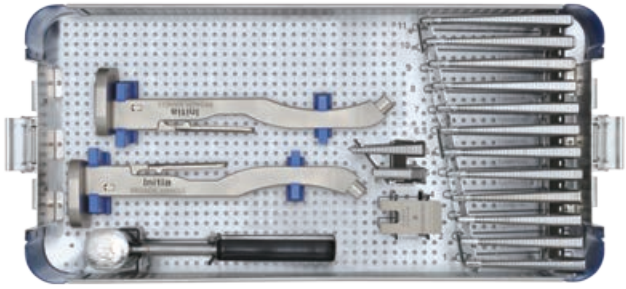
Acetabular Trials Tray



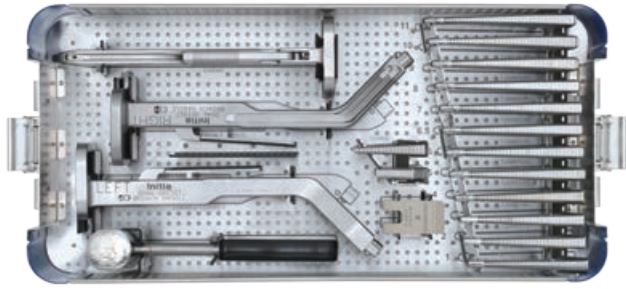
Femoral Base Tray



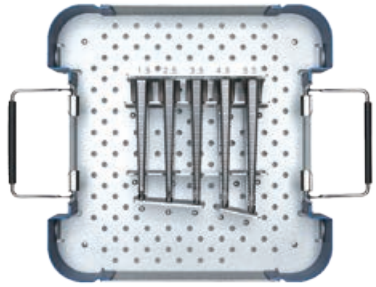
Femoral Broach Tray (1/2)



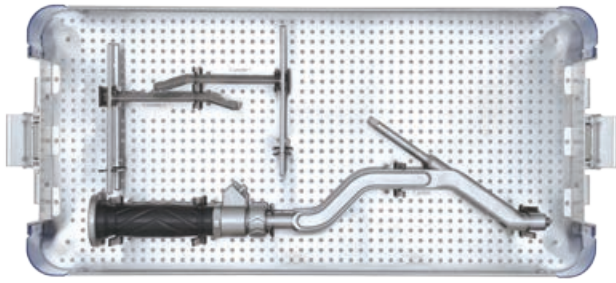
Femoral Broach Tray (2/2) <option>



Intermediate Size Broach Case <option>

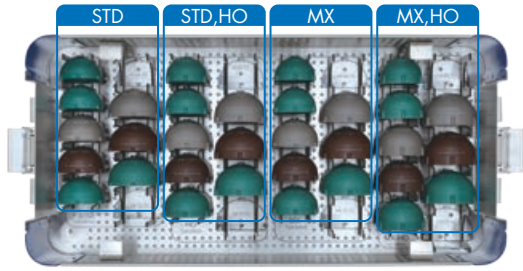


Offset Shell Inserter Tray

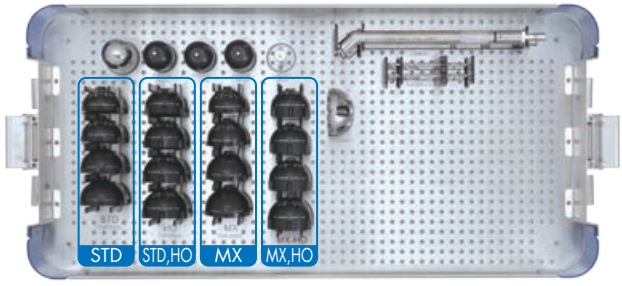


Large Trials Tray <option>

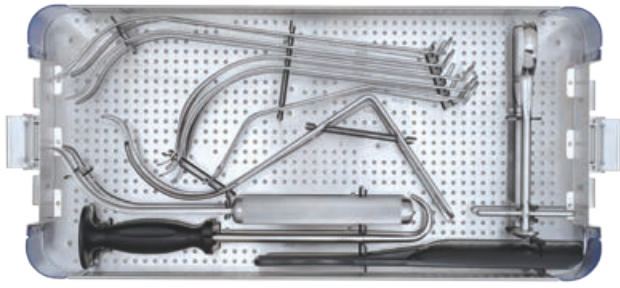




Small Trials Tray <option>



DAA Retractor Tray



KYOCERA Corporation
Medical Division
https://global.kyocera.com/
6, Takeda Tobadono-cho, Fushimi-ku, Kyoto-shi, 612-8501 Kyoto JAPAN

Patent No.
US 7,820,577 US 9,358,321 US 9,358,115 US 9,192,477 US 10,315,827

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