

Oxford® Partial Knee Microplasty® Instrumentation Assembly/Disassembly

Instructions



Table of Contents

Femoral Drill Guides	3
Anterior Bone Mills	4
Spherical Mills	5
Oxford Low Profile Mills	7
Cementless Inserter	8
Tibia Impactor	10
Femoral Impactor	11
Oxford Femoral Drill Guide EM Adaptor	12
Oxford PKR Quick Release Drill Chuck	13
Oxford Leg Holder	14
Appendix - Complete Overview of Instruments	15

Femoral Drill Guides



Disassembly

Step 1

Unscrew the thumb screw from the face of the femoral drill guide and release the foot of the femoral drill guide. The instrument is now disassembled.

Assembly

Step 1

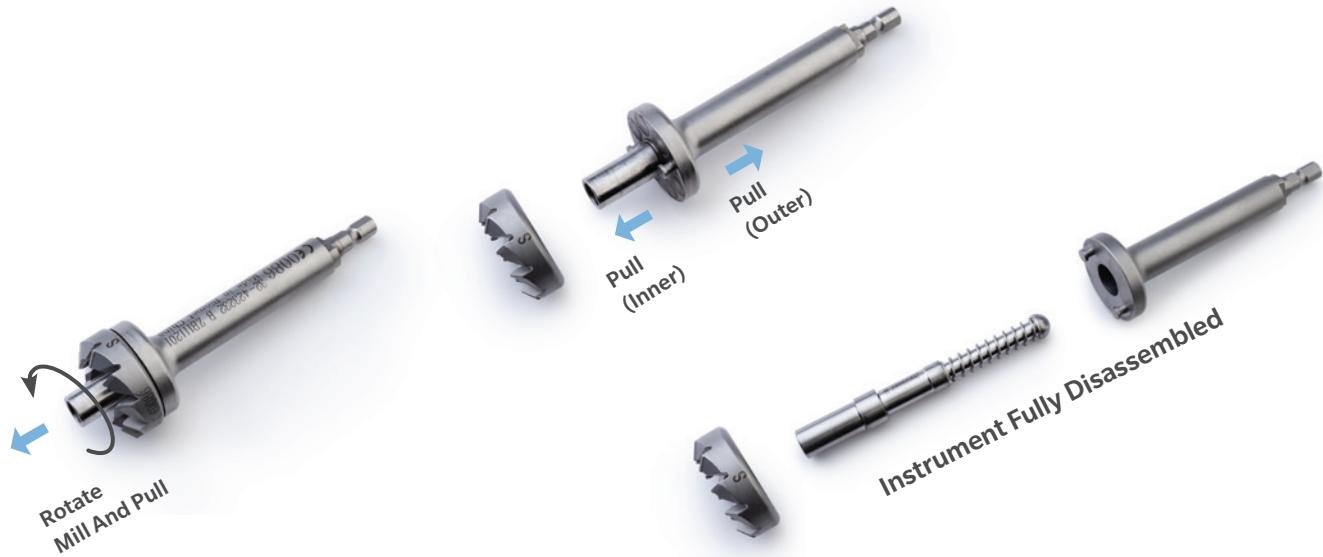
Reinsert the foot of the femoral drill guide and thread the screw through the face of the femoral drill guide. The instrument is now reassembled.

Femoral Drill Guides

Item Code	Description
32-422974	Femoral Drill Guide, Extra Small
32-422975	Femoral Drill Guide, Small
32-422976	Femoral Drill Guide, Medium
32-422977	Femoral Drill Guide, Large
32-422978	Femoral Drill Guide Extra Large

Anterior Bone Mills

The Anterior Bone Mills are made up of three subcomponents. The two subcomponents mentioned in the table below can be found in the Oxford Microplasty Tibial Case 2; the anterior bone mills can be found in the size-specific trays.



Disassembly

Step 1

Remove the anterior bone mills by rotating it counter-clockwise and pull free. Magnets and pegs are used to hold the cutter in place.

Step 2

Pull the outer shaft from the inner shaft. The instrument is now disassembled.

Assembly

The subcomponents of the anterior bone cutter do not require reassembly and can be placed back into Oxford Microplasty Tibial Case 2 in their designated locations.

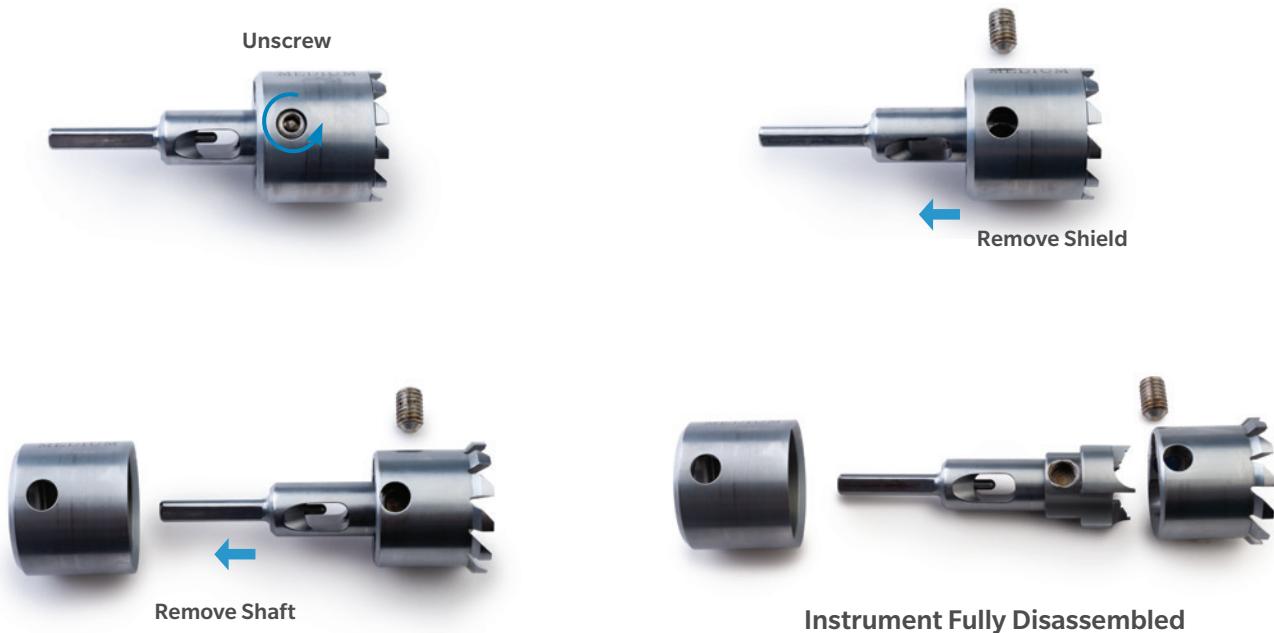
Anterior Bone Cutters

Item Code	Description	Location of Instrument
32-423234	Extra Small Anterior Bone Mills	Extra Small Femoral Instruments Tray
32-423236	Small Anterior Bone Mills	Small Femoral Instruments Tray
32-423238	Medium Anterior Bone Mills	Medium Femoral Instruments Tray
32-423240	Large Anterior Bone Mills	Large Femoral Instruments Tray
32-423242	Extra Large Anterior Bone Mills	Extra Large Femoral Instruments Tray

Anterior Bone Cutter Subcomponents

Item Code	Description	Location of Instrument
32-423233	Oxford Anterior Bone Removal Shaft (inner)	Tibial Case 2 (Bottom Tray)
32-423232	Oxford Anterior Bone Removal Shaft (outer)	Tibial Case 2 (Bottom Tray)

Spherical Mills



Disassembly

Step 1

Using the hexagon driver (32-420660) provided in the Oxford Microplasty Tibial Case 1, undo and remove the screw which locks the shield to the outer shell and shaft.

Step 2

Remove the shield from the outer shell.

Step 3

Remove the shaft from the outer shell. The instrument is now disassembled.

Spherical Mills

Item Code	Description	Spare Parts: Screw
32-421062	Extra Small Spherical Mills	32-42106204
32-420329	Small Spherical Mills	32-420329-4
32-420330	Medium Spherical Mills	32-420330-4
32-420331	Large Spherical Mills	32-420331-4
32-420332	Extra Large Spherical Mills	32-420332-4

Spherical Mills (cont.)



Assembly

Step 1

Insert the shaft into the outer shell, ensuring that the holes on the outer shell align with the screw hole on the shaft.

Step 2

Push the shield over the assembled shaft and outer shell, ensuring that the hole in the shield aligns with the holes on the outer shell and shaft.

Step 3

Using the hexagon driver, thread the screw back into the cutter and turn until tightened. The spherical mill is now assembled.

Oxford Low Profile Mills



Disassembly

Following surgery the sheath covering the cutting teeth can be removed by pulling it slightly away from the teeth, and rotating in a clockwise direction.

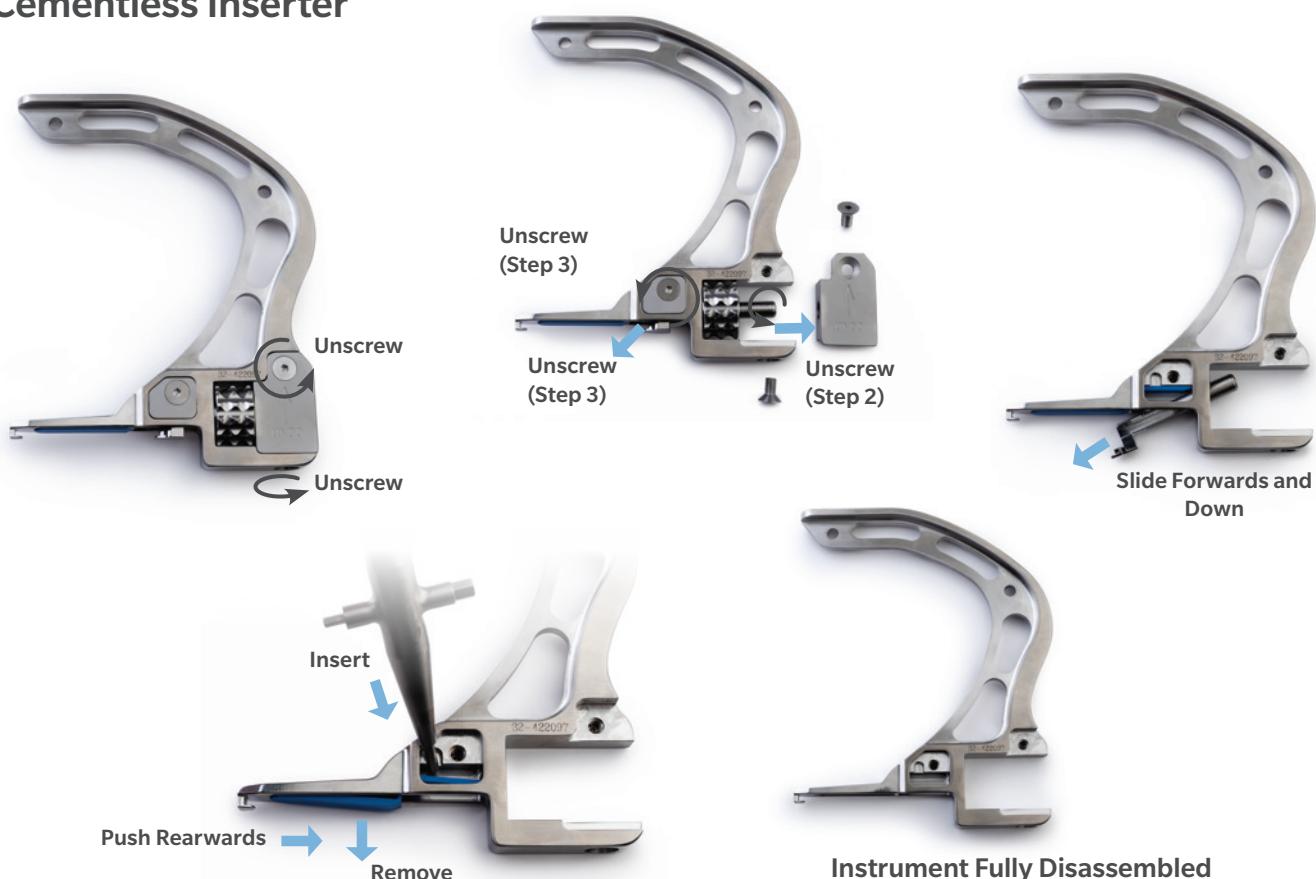
Assembly

The Oxford Fixed Lateral tray was designed to store the cutter and sheath separately. Following cleaning ensure the instruments are clean, and store them in the design holders located in the Oxford Fixed Lateral tray.

Low Profile Mill

Item Code	Description
32-423350*	Extra Small Low Profile Mill
32-423351*	Small Low Profile Mill
32-423352*	Medium Low Profile Mill
32-423353*	Large Low Profile Mill

Cementless Inserter



Dissassembly

Step 1

Using the hexagon driver provided in the Oxford Microplasty Instrument tray remove the two screws holding the rear cover in place and remove the cover.

Step 2

Remove the cover and unscrew the adjuster drum.

Step 3

Remove the screw holding the clamp cover and remove the cover. Slide the clamp foot forwards and down to remove it from the main body.

Step 4

Remove the blue cushion pad using the tip of the hex key in the recess provided.

Take care when disengaging the front tab of the blue cushion by pushing it rearwards. The Cementless Inserter is now disassembled.

Cementless Inserter (Cont.)



Assembly

Step 1

Slide the blue cushion pad back into place, ensuring that the tab at the front of the cushion pad locates in the recess in the instrument body.

Step 2

Place the clamp foot back into the instrument body. Apply the clamp cover and screw using the hex key.

Step 3

Attach the adjuster drum to the clamp foot and screw into place.

Step 4

Reapply the back cover and reinstate the two screws to hold the cover in place. The instrument is now reassembled.

Cementless Inserter (Cont.)



Assembly, cont.

Previous Instrument Generation

There are currently three generations of the Oxford Cementless Inserter in use around the world:

- The third and current generation of the instrument requires disassembly, as shown above. It can be distinguished from the 1st and 2nd generation by the fact that it has a long blue inserter foot, while the 1st and 2nd generation have two small inserter cushions.
- The second generation of the instrument did require disassembly. The screws on the second generation instrument can be removed and the instrument disassembled, similar to the above instructions.

- The first generation of the instrument does not require disassembly as it does not have any screws which will allow for disassembly.
- The blue cushion pads are not intended to be removed from the first and second generation instruments prior to cleaning. If the cushion pads become damaged, they may be removed by unscrewing them from the instrument. Replacement pads are fitted by screwing them into the threaded hole.

Cementless Impactor

Item Code	Description
32-422097	Oxford Cementless Inserter
32-422097-6	Cementless Inserter Cushion <small>Compatible with the first and second generation of the Cementless Inserter.</small>
110031779	Cementless Inserter Foot. <small>Compatible with the third generation of the Cementless inserter.</small>

Tibial Impactor



Dissassembly

Prior to cleaning, the tibial impactor foot should be removed. This can be done by unscrewing the screw and then detaching the foot.

Assembly

After cleaning, ensure that the instrument is completely dry prior to reassembling. Ensure that the screw is loose. Insert the impactor foot into the impactor and then tighten the screw. Care should be taken not to misplace the tibial impactor foot during decontamination.

Tibial Impactor

Item Code	Description
32-421340	Domed Lateral Tibial Impactor
32-420932	Medial Tibial Impactor for the Oxford Cemented PKR and Oxford Cementless PKR
32-42093204	Spare part for the medial tibial impactor: driving head
32-42093205	Spare part for the medial tibial impactor: screw

Femoral Impactor



Dissassembly

The plastic head of the femoral impactor needs to be removed from the metal body prior to cleaning. This can be done by unscrewing the femoral impactor head.

Assembly

After cleaning ensure that the instrument is completely dry prior to reassembling. The femoral impactor head can be reapplied by screwing it back onto the metal body.

Femoral Impactor

Item Code	Description
32-420127	Femoral Impactor
32-42012701	Spare part for femoral impactor: femoral impactor head

Oxford Femoral Drill Guide EM Adaptor



Dissassembly

The thumb screw should be loosened and completely uncrewed from the thread after use and prior to cleaning and sterilization.

Assembly

Ensure that the instrument is completely dry after cleaning and prior to re-tightening the screw.

Oxford Femoral Drill Guide EM Adaptor

Item Code

32-423299*

Description

Oxford Femoral Drill Guide EM Adaptor

Oxford PKR Quick Release Drill Chuck



Dissassembly

The outershell of the quick release drill chuck can be removed by unscrewing it at the base. Ensure that the outer shell is removed prior to cleaning and sterilization.

Assembly

Ensure that the instrument is completely dry after cleaning and prior to reassembly. Slide the outershell over the inner piece and tighten at the base.

Oxford PKR Quick Release Drill Chuck

Item Code

32-467618*

Description

Oxford PKR Quick Release Drill Chuck

Oxford Leg Holder



After Use

Whenever possible, do not allow blood debris or body fluids to dry onto the instrument. For best results, and to prolong the life of the medical device, reprocess immediately after use. If it cannot be reprocessed immediately, use an enzymatic foam spray cleaner to prevent soil from drying.

Cleaning

Item to be cleaned with IPA wipes following use.

Spare Parts for the Oxford Leg Holder

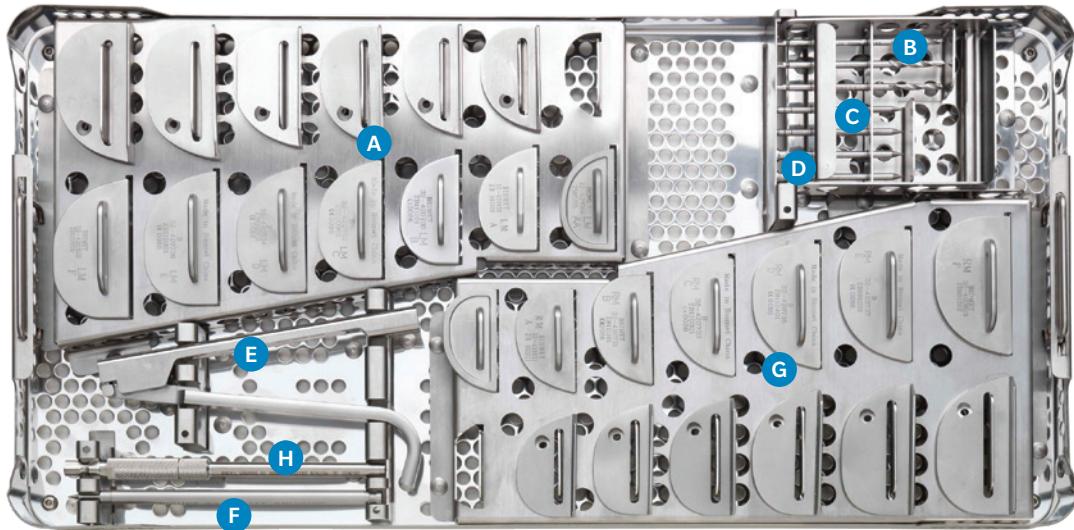
Item Code	Description
32-421713	Leg Holder Replacement Cushion Pad
32-423000	Leg Holder Replacement Knob

Appendix

Complete Overview of Instruments

The below tables provide an overview of all Oxford Microplasty Instruments in their instrument sets, and highlight whether each instrument is required to be disassembled prior to cleaning and sterilization.

Instrumentation

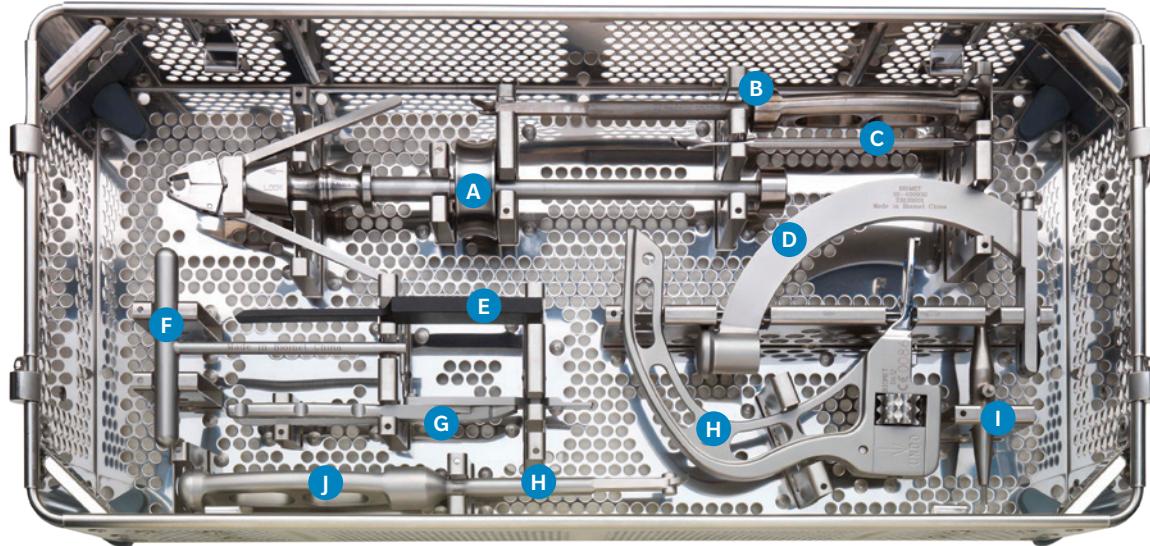


32-423532 Tibial Case 1—Upper Insert Tray

Product	Label	Part Number	Description	Size	Disassembly
		32-423539	Oxford Microplasty Instrument Tray (Tray Only)	–	NO
	A	32-422849	Oxford Tibial Template Right Medial	AA	
		32-422850	Oxford Tibial Template Left Medial	AA	
		32-422851	Oxford Tibial Template Right Medial	A	
		32-422852	Oxford Tibial Template Left Medial	A	
		32-422853	Oxford Tibial Template Right Medial	B	
		32-422854	Oxford Tibial Template Left Medial	B	
		32-422855	Oxford Tibial Template Right Medial	C	
		32-422856	Oxford Tibial Template Left Medial	C	
		32-422857	Oxford Tibial Template Right Medial	D	
		32-422858	Oxford Tibial Template Left Medial	D	
		32-422859	Oxford Tibial Template Right Medial	E	
		32-422860	Oxford Tibial Template Left Medial	E	
		32-422861	Oxford Tibial Template Right Medial	F	
		32-422862	Oxford Tibial Template Left Medial	F	
	B	32-467619*	Quick-Release Drill Bit (PK/2)	–	NO
	C	32-420802	Tibial Resection Headless Pin (PK/2)	–	NO
	D	32-347911*	Bone Pin (PK/2)	–	NO

Product	Label	Part Number	Description	Size	Disassembly
	E	32-420160*	Pin Inserter/Extractor	–	NO
	F	32-422455	Oxford Tibial Template Nail	–	NO
	G	32-421064	Oxford Tibial Trial Left Medial	AA	
		32-421065	Oxford Tibial Trial Right Medial	AA	
		32-420820	Oxford Tibial Trial Left Medial	A	
		32-420821	Oxford Tibial Trial Right Medial	A	
		32-420730	Oxford Tibial Trial Left Medial	B	
		32-420731	Oxford Tibial Trial Right Medial	B	
		32-420732	Oxford Tibial Trial Left Medial	C	
		32-420733	Oxford Tibial Trial Right Medial	C	
		32-420734	Oxford Tibial Trial Left Medial	D	
		32-420735	Oxford Tibial Trial Right Medial	D	
		32-420736	Oxford Tibial Trial Left Medial	E	
		32-420737	Oxford Tibial Trial Right Medial	E	
		32-420822	Oxford Tibial Trial Left Medial	F	
		32-420823	Oxford Tibial Trial Right Medial	F	
	H	32-467618*	AGC® Quick Release Drill Chuck	–	NO

Instrumentation

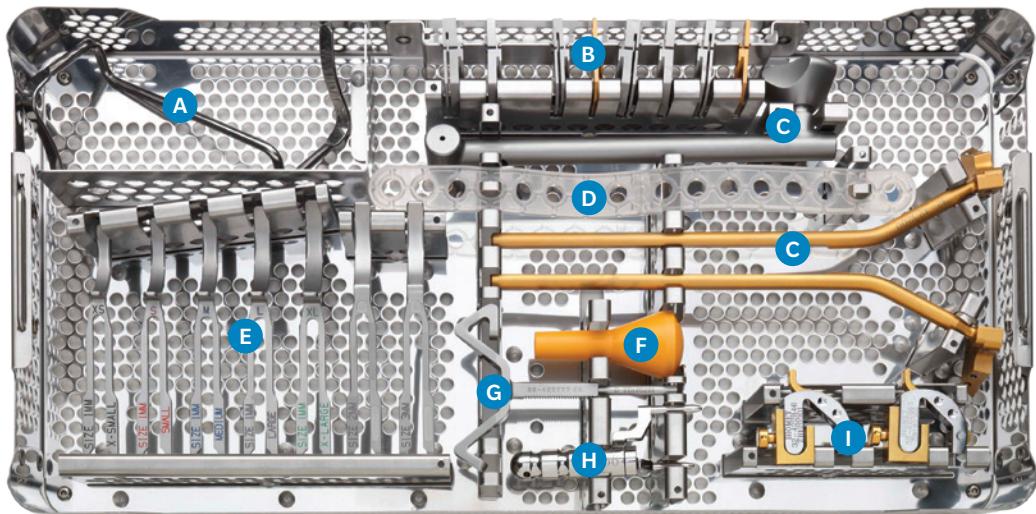


32-423532 Tibial Case 1—Lower Insert Tray

Product	Label	Part Number	Description	Size	Disassembly
		32-423539	Oxford Microplasty Instrument Tray (Tray Only) –	–	NO
	A	32-422365	Oxford Slap hammer	–	NO
	B	32-422457	Oxford Tibial Groove Cutter (Cementless)	–	NO
	C	32-422991†	Woodson Cement Curette	–	NO
	D	32-420932	Oxford Tibial Impactor	–	NO
	E	32-420804	Oxford Cement Removal Chisel	–	NO
	F	32-401111	Oxford IM Rod Removal Hook	–	NO

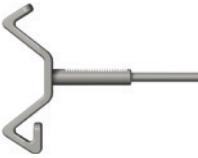
Product	Label	Part Number	Description	Size	Disassembly
	G	32-422718	Oxford Trial Tibial Bearing Extractor	-	NO
	H	32-422097	Cementless Tibial Inserter	-	YES - see page 7
	I	32-420660	Oxford Hexagon Driver	-	NO
	J	32-422936	Oxford Tibial Groove Cutter (Cemented)	-	NO

Instrumentation



32-423533 Tibial Case 2—Upper Insert Tray

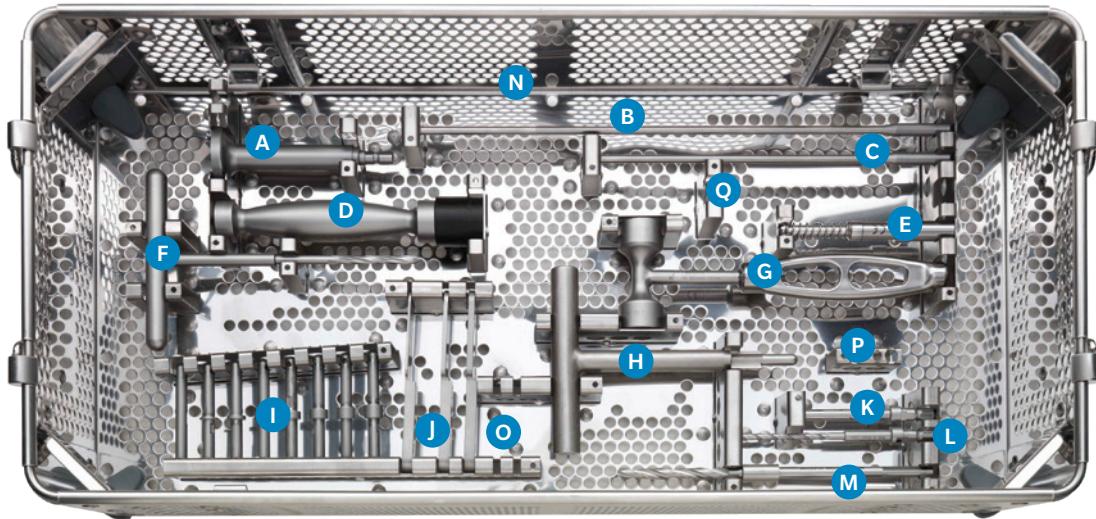
Product	Label	Part Number	Description	Size	Disassembly
		32-423540	Oxford Microplasty Instrument Tray (Tray Only) –	–	NO
	A	3000-02†	MCL Retractor	–	NO
	B	32-422985 32-423223 32-422987 32-423230 32-423231 32-422990 32-423222 32-422988	Tib Resection Guide Shim, RT Medial, Unslotted 0 mm Tib Resection Guide Shim, RT Medial, Slotted 0 mm Tib Resection Guide Shim, RT Medial, Unslotted 2 mm Tib Resection Guide Shim, RT Medial, Slotted 2 mm Tib Resection Guide Shim, LT Medial, Slotted 2 mm Tib Resection Guide Shim, LT Medial, Unslotted 2 mm Tib Resection Guide Shim, LT Medial, Slotted 0 mm Tib Resection Guide Shim, LT Medial, Unslotted 0 mm	–	NO
	C	32-423200	Oxford Microplasty Tibial Resection Body Tube –	–	NO
	D	32-422778	Oxford Silicone Ankle Strap	–	NO
	E	32-422828 32-422839 32-423285 32-423286	Oxford Sizing Spoon	1 mm 1 mm 2 mm 3 mm	NO
	F	32-422848	Oxford IM Rod Pusher	–	NO

Product	Label	Part Number	Description	Size	Disassembly
	G	32-422777	Ankle Yoke	-	NO
	H	32-422822	Oxford IM Rod Link	-	NO
	I	32-422846 32-422863	Oxford G-Clamp	3 mm 4 mm	NO

Oxford Tibial Resector Stylus (G Clamps)

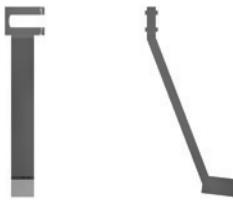
The Oxford Microplasty Resector Stylus Instruments (32-422846 and 32-422863) are not designed to be disassembled. The screw in each of these instruments is not intended to be loosened or removed. If the screw does become loose, the instrument will no longer function correctly, and should be returned to Zimmer Biomet in exchange for a new instrument.

Instrumentation



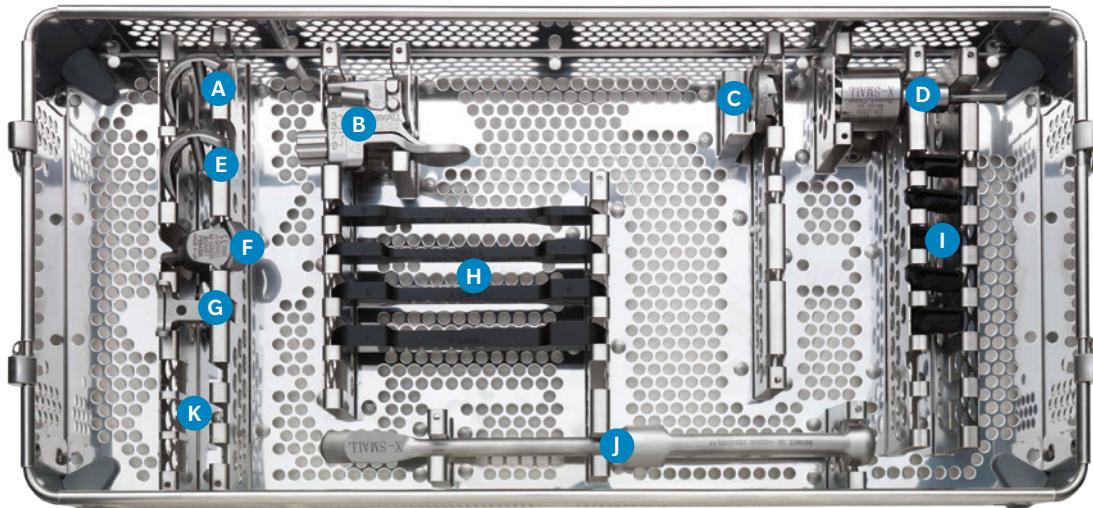
32-423533 Tibial Case 2—Lower Insert Tray

Product	Label	Part Number	Description	Size	Disassembly
		32-423540	Oxford Microplasty Instrument Tray (Tray Only)	–	NO
	A	32-423232	Oxford Anterior Bone Removal Shaft (Outer)	–	NO
	B	32-422984	IM rod	300 mm	NO
	C	32-422847	IM rod	200 mm	NO
	D	32-420127	Femoral Impactor	–	NO
	E	32-423233	Oxford Anterior Bone Removal Shaft (Inner)	–	NO
	F	32-423226	Oxford IM Awl	5 mm	NO
	G	32-422760	Toffee Hammer	–	NO
	H	32-423287	Bone Collar Remover	–	NO

Product	Label	Part Number	Description	Size	Disassembly
	I	32-420333 32-420334 32-420335 32-420336 32-420337 32-420338 32-420339 32-420340	Oxford Spigot	7 6 5 4 3 2 1 0	NO
	J	32-420663 32-420664 32-420665	Oxford Shim	1 mm 2 mm 3 mm	NO
	K	32-423227	Oxford Cement Key Drill	-	NO
	L	32-423228	Oxford Quick Release Femoral Drill Bit	4 mm	NO
	M	32-422845	Oxford Quick Release Femoral Drill Bit	6.35 mm	NO
	N	42-411400*	Signature™ Alignment Rod**	-	NO
	O	42-411402* 42-411403*	Oxford Signature Tibial Alignment Checker Left**– Oxford Signature Tibial Alignment Checker Right*	-	NO
	P	42-411420*	Oxford Signature Tibial Drill Guide**	-	NO
	Q	42-411401*	Oxford Signature Femoral Alignment Checker** -	-	NO
-		32-423197*	Vertical Resection Shim*	-	NO

* Not photographed, not a part of standard set definition

Instrumentation



32-423527 Femoral Instruments — X-small

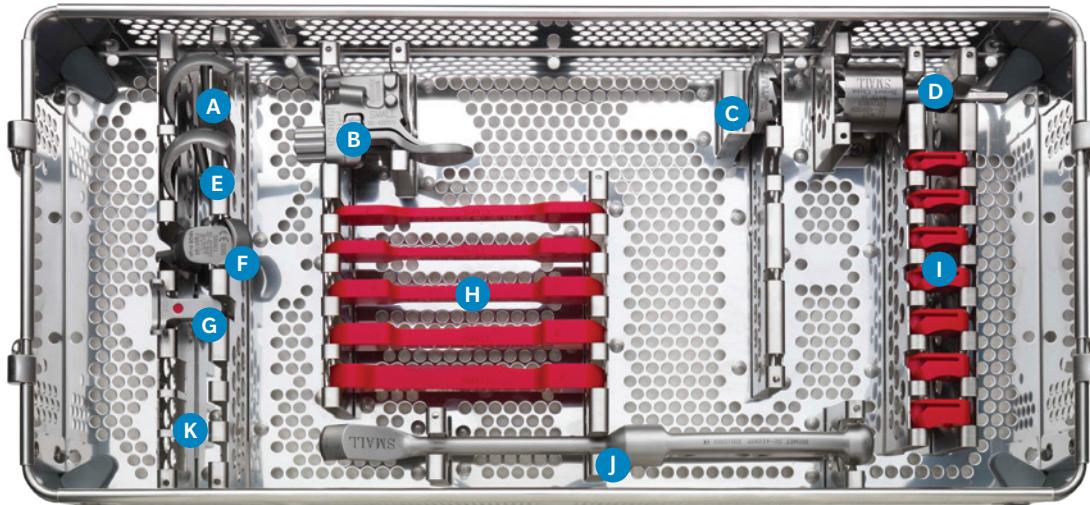
Product	Label	Part Number	Description	Size	Disassembly
		32-423534	Oxford Microplasty Instrument Tray (Tray Only) –		
	A	32-421050	Oxford Single Peg Femoral Trial	X-small	NO
	B	32-422974	Oxford Femoral Drill Guide	X-small	YES - see page 3
	C	32-423234	Oxford Anterior Bone Mill	X-small	YES - see page 4
	D	32-421062	Oxford Spherical Mill	X-small	YES - see page 5
	E	32-421430	Oxford Twin Peg Femoral Trial	X-small	NO
	F	32-423235	Oxford Anti-impingement Guide	X-small	NO
	G	32-422979	Oxford Posterior Cutting Guide	X-small	NO

Product	Label	Part Number	Description	Size	Disassembly
	H	32-422766 32-422767 32-422768 32-422769	Oxford Feeler Gauge, X-small	1/2 mm 3/4 mm 5/6 mm 7/8 mm	NO
	I	32-422693 32-422694 32-422695 32-422696 32-422697	Oxford Trial Bearing, X-small	3 mm 4 mm 5 mm 6 mm 7 mm	NO
	J	32-422938	Oxford Posterior Osteophyte Chisel	X-small	NO
	K	42-411430* 42-411431*	Oxford Signature Drill Guides**	X-small Small	NO

*Manufactured by Biomet Orthopedics

** Not photographed, not a part of standard set definition

Instrumentation



32-423528 Femoral Instruments — Small

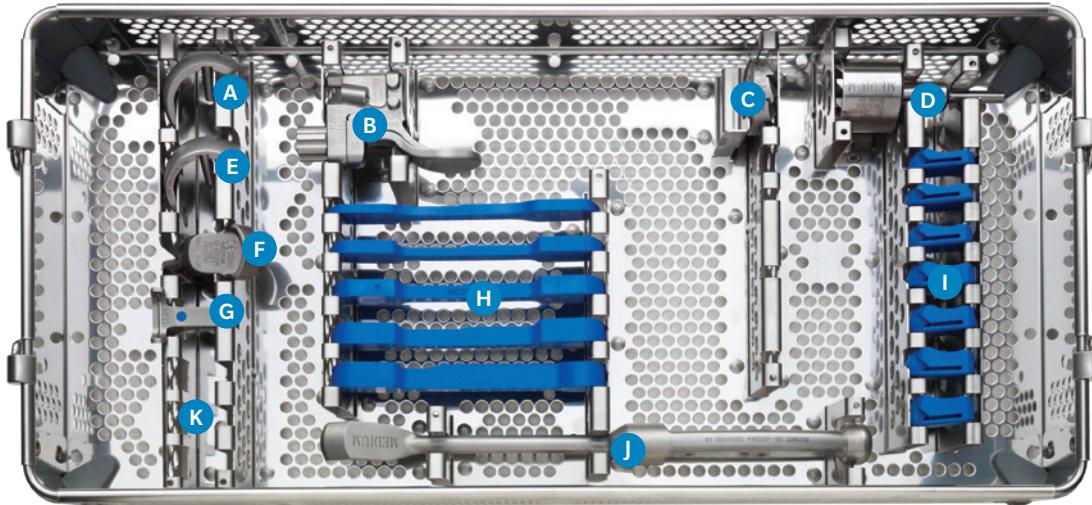
Product	Label	Part Number	Description	Size	Disassembly
		32-423535	Oxford Microplasty Instrument Tray (Tray Only) –		
	A	32-420341	Oxford Single Peg Femoral Trial	Small	NO
	B	32-422975	Oxford Femoral Drill Guide	Small	YES - see page 3
	C	32-423236	Oxford Anterior Bone Mill	Small	YES - see page 4
	D	32-420329	Oxford Spherical Mill	Small	YES - see page 5
	E	32-421431	Oxford Twin Peg Femoral Trial	Small	NO
	F	32-423237	Oxford Anti-impingement Guide	Small	NO
	G	32-422980	Oxford Posterior Cutting Guide	Small	NO

Product	Label	Part Number	Description	Size	Disassembly
	H	32-422771 32-422801 32-422802 32-422803 32-422804	Oxford Feeler Gauge, Small	1/2 mm 3/4 mm 5/6 mm 7/8 mm 9 mm	NO
	I	32-422698 32-422699 32-422700 32-422701 32-422702 32-422721 32-422722	Oxford Trial Bearing, Small	3 mm 4 mm 5 mm 6 mm 7 mm 8 mm 9 mm	NO
	J	32-422937	Oxford Posterior Osteophyte Chisel	Small	NO
	K	42-411434* 42-411435* 42-411436*	Oxford Signature Drill Guides**	Small Downsize Small Small Upsize	NO

*Manufactured by Biomet Orthopedics

** Not photographed, not a part of standard set definition

Instrumentation



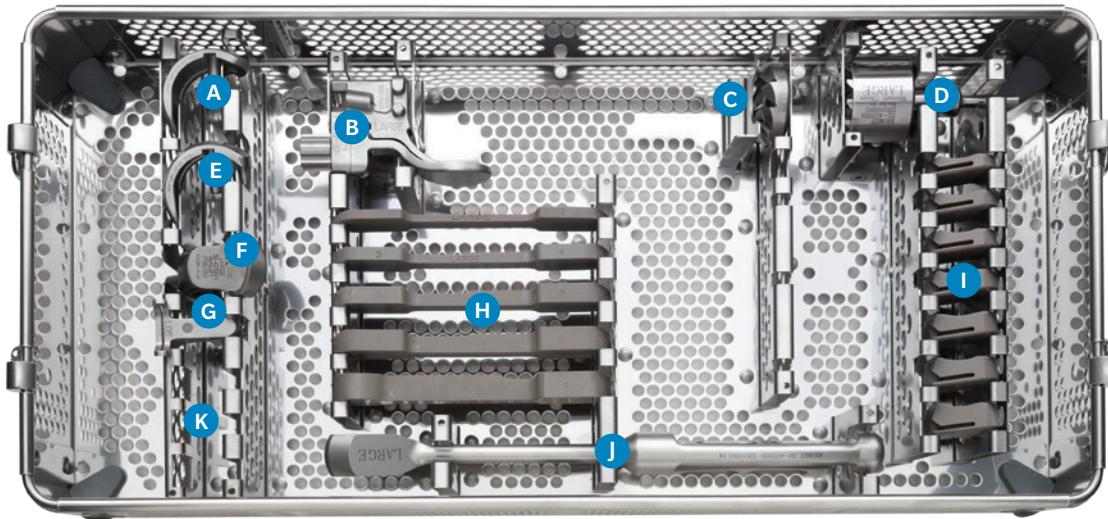
32-423529 Femoral Instruments — Medium

Product	Label	Part Number	Description	Size	Disassembly
		32-423536	Oxford Microplasty Instrument Tray (Tray Only)	–	
	A	32-420342	Oxford Single Peg Femoral Trial	Medium	NO
	B	32-422976	Oxford Femoral Drill Guide	Medium	YES - see page 3
	C	32-423238	Oxford Anterior Bone Mill	Medium	YES - see page 4
	D	32-420330	Oxford Spherical Mill	Medium	YES - see page 5
	E	32-421432	Oxford Twin Peg Femoral Trial	Medium	NO
	F	32-423239	Oxford Anti-impingement Guide	Medium	NO
	G	32-422981	Oxford Posterior Cutting Guide	Medium	NO

Product	Label	Part Number	Description	Size	Disassembly
	H	32-422805 32-422806 32-422807 32-422808 32-422809	Oxford Feeler Gauge, Medium	1/2 mm 3/4 mm 5/6 mm 7/8 mm 9 mm	NO
	I	32-422703 32-422704 32-422705 32-422706 32-422707 32-422723 32-422724	Oxford Trial Bearing, Medium	3 mm 4 mm 5 mm 6 mm 7 mm 8 mm 9 mm	NO
	J	32-422344	Oxford Posterior Osteophyte Chisel	Medium	NO
	K	42-411439* 42-411440* 42-411441*	Oxford Signature Drill Guides**	Medium Downsize Medium Medium Upsize	NO

** Not photographed, not a part of standard set definition

Instrumentation



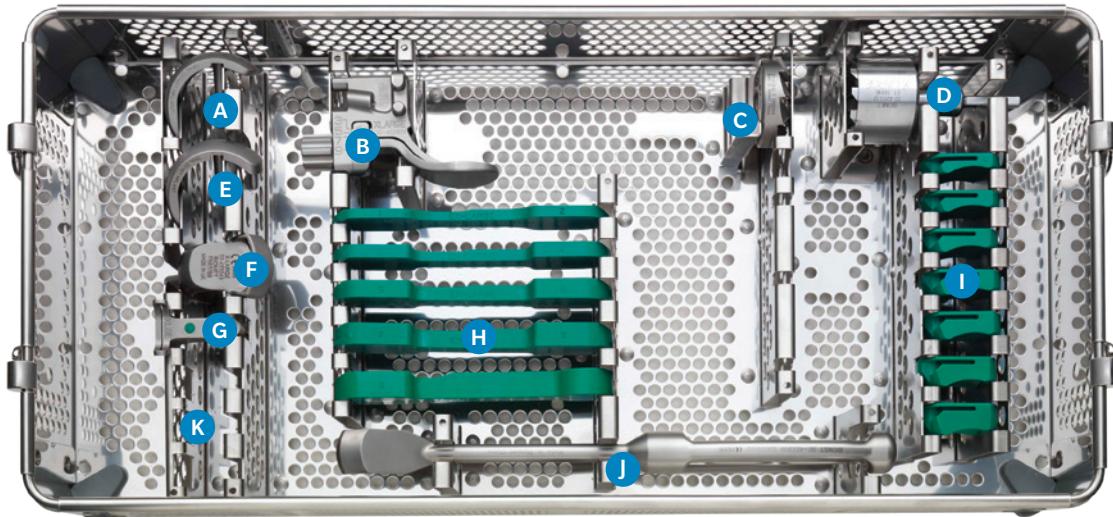
32-423530 Femoral Instruments — Large

Product	Label	Part Number	Description	Size	Disassembly
		32-423537	Oxford Microplasty Instrument Tray (Tray Only) –		
	A	32-420343	Oxford Single Peg Femoral Trial	Large	NO
	B	32-422977	Oxford Femoral Drill Guide	Large	YES - see page 3
	C	32-423240	Oxford Anterior Bone Mill	Large	YES - see page 4
	D	32-420331	Oxford Spherical Mill	Large	YES - see page 5
	E	32-421433	Oxford Twin Peg Femoral Trial	Large	NO
	F	32-423241	Oxford Anti-impingement Guide	Large	NO

Product	Label	Part Number	Description	Size	Disassembly
	G	32-422982	Oxford Posterior Cutting Guide	Large	NO
	H	32-422810 32-422811 32-422812 32-422813 32-422814	Oxford Feeler Gauge, Large	1/2 mm 3/4 mm 5/6 mm 7/8 mm 9 mm	NO
	I	32-422708 32-422709 32-422710 32-422711 32-422712 32-422725 32-422726	Oxford Trial Bearing, Large	3 mm 4 mm 5 mm 6 mm 7 mm 8 mm 9 mm	NO
	J	32-422935	Oxford Posterior Osteophyte Chisel	Large	NO
	K	42-411444* 42-411445* 42-411446*	Oxford Signature Drill Guides**	Large Downsize Large Large Upsize	

** Not photographed, not a part of standard set definition

Instrumentation



32-422759 Femoral Instruments — X-large

Product	Label	Part Number	Description	Size	Disassembly
		32-423538	Oxford Microplasty Instrument Tray (Tray Only) –		
	A	32-420344	Oxford Single Peg Femoral Trial	X-large	NO
	B	32-422978	Oxford Femoral Drill Guide	X-large	YES - see page 3
	C	32-423242	Oxford Anterior Bone Mill	X-large	YES - see page 4
	D	32-420332	Oxford Spherical Mill	X-large	YES - see page 5
	E	32-421434	Oxford Twin Peg Femoral Trial	X-large	NO
	F	32-423243	Oxford Anti-impingement Guide	X-large	NO

Product	Label	Part Number	Description	Size	Disassembly
	G	32-422983	Oxford Posterior Cutting Guide	X-large	NO
	H	32-422815 32-422816 32-422817 32-422818 32-422819	Oxford Feeler Gauge, X-large	1/2 mm 3/4 mm 5/6 mm 7/8 mm 9 mm	NO
	I	32-422713 32-422714 32-422715 32-422716 32-422717 32-422727 32-422728	Oxford Trial Bearing, X-large	3 mm 4 mm 5 mm 6 mm 7 mm 8 mm 9 mm	NO
	J	32-422939	Oxford Posterior Osteophyte Chisel	X-large	NO
	K	42-411449* 42-411450*	Oxford Signature Drill Guides**	X-large Downsize X-large	NO

** Not photographed, not a part of standard set definition

† Items supplied by third-party manufacturers.

* Manufactured by Biomet Orthopedics

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