ELEOS™ Limb Salvage System

Surgical Technique
Proximal Femoral Replacement
Featuring Reamer Trials

The ELEOS Limb Salvage System offers options for patients with significant bone loss due to cancer, trauma, or previous surgical procedures. The locking taper design has a history of clinical use in a variety of orthopaedic applications. With an array of options in a multitude of sizes, the ELEOS system provides the surgeon the ability to meet a variety of patient needs.

ONKOS SURGICAL®

ELEOS Limb Salvage System
PROXIMAL FEMORAL REPLACEMENT

TABLE OF CONTENTS:

Proper surgical procedures and techniques are the responsibility of the medical professional. The following guidelines are furnished for informational purposes only. Each surgeon must evaluate the appropriateness of the procedures based on his or her personal medical training, experience and patient condition. Prior to the use of the system, the surgeon should refer to the product package insert for additional warnings, precautions, indications, contraindications and adverse effects. Instruction for use are available on www.onkossurgical.com/ELEOS/IFU.

PRODUCT DESCRIPTION

The ELEOS Proximal Femoral System consists of four components: the Proximal Femur, Optional Midsection, Segmental Stem, and a Femoral Head.

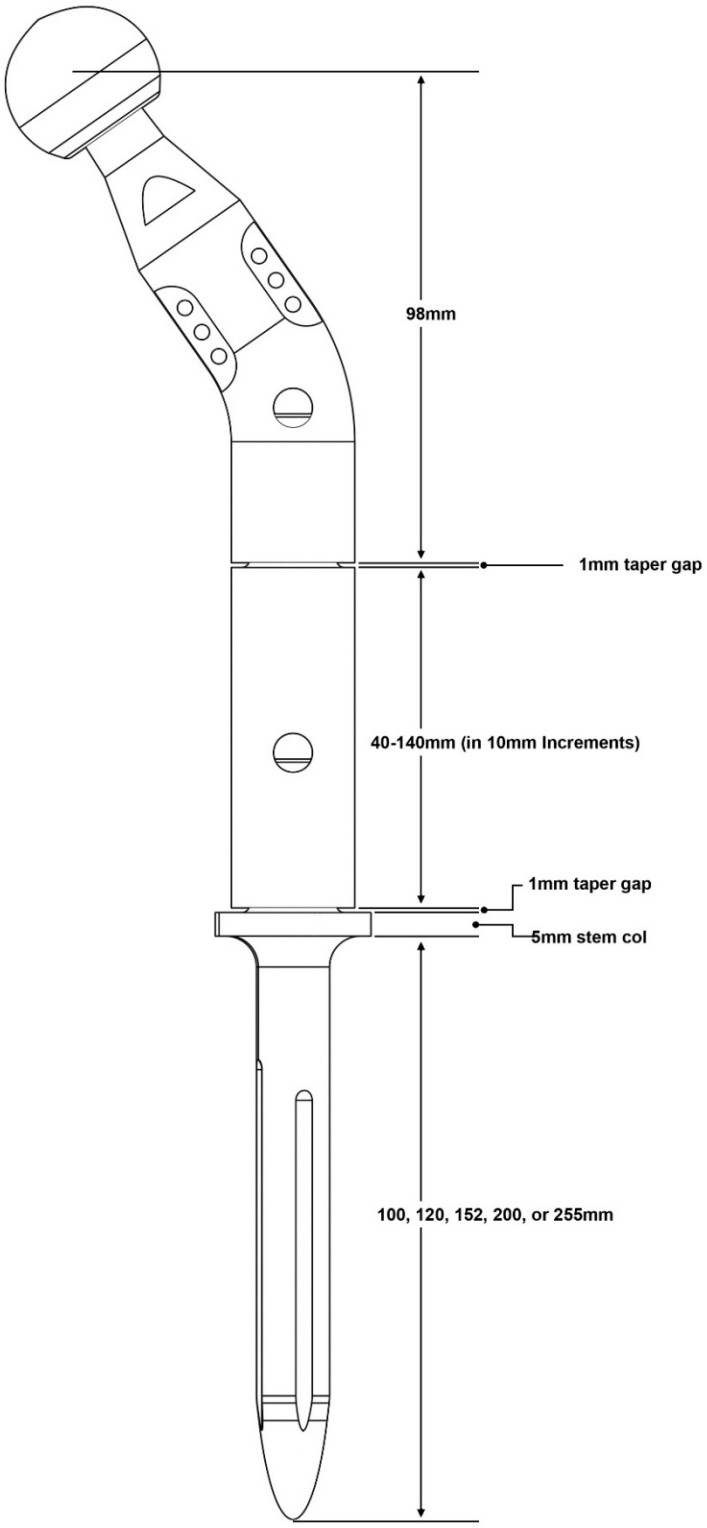
The ELEOS Proximal Femur (25000001E) offers total bone replacement of 104mm to 244mm when measured from the center of a +0mm Femoral Head **| TABLE 1.**

Table 1.
FEMORAL BONE RESECTION

Part Number	Component	Resection
25000001E	Proximal Femur	98mm*
N/A	Stem Collar	5mm +1mm
taper gap		
		= 104mm
	Midsections	
25001040E	40mm	145mm
25001050E	50mm	155mm
25001060E	60mm	165mm
25001070E	70mm	175mm
25001090E	90mm	195mm
25001110E	110mm	215mm
25001140E	140mm	245mm

*With +0 head

Seven lengths of optional Midsection (25001(XX)0E) components are interchangeable with all ELEOS systems to allow for precise length determination intraoperatively. Lengths ranging from 40-140mm accommodate bone resection in 10mm increments. Midsections are also available with male tapers on both ends enabling the implantation of a Total Femoral Replacement by combining the ELEOS Proximal and Distal Femur components (refer to the ELEOS Total Femoral Replacement surgical technique).



Segmental Stems are available in a variety of diameters and lengths in both cemented and canal filling options. Cemented Stems provide flutes to enhance mechanical interlock of bone cement. Canal filling stems are splined and slotted (Bowed only) and have plasma spray on the stem to enhance initial fixation **| TABLE 2.**

Table 2.

Segmental Stems – Cemented			
Stem	**Description**	**Length**	**Stem Diameter (mm) / Collar Diameter (mm)**
CS-XX100-03M	Straight, Cylindrical, Fluted, Cobalt Chrome	100mm	9/24, 10/24
CS-XX120-03M	Straight, Cylindrical, Fluted, Cobalt Chrome	120mm	11/28, 13/28, 15/32, 17/36
CB-XX152-03M	Bowed, Cylindrical, Fluted, Titanium	152mm	11/28, 13/28, 15/32, 17/36
CB-XX200-03M	Bowed, Cylindrical, Fluted, Titanium	200mm	11/28, 13/28, 15/32, 17/36
CB-11255-03M	Bowed, Cylindrical, Fluted, Titanium	255mm	11/32
Segmental Stems – Canal Filling			
FS-XX120-03M	Straight, Cylindrical, Splined, Full Plasma Spray, Titanium	120mm	11/28, 12/28, 13/28, 14/32, 15/32, 16/36, 17/36, 18/36, 19/36, 20/36, 21/36
FB-XX152-03M	Bowed Cylindrical, Splined, 2/3 Plasma Spray, Slotted, Titanium	152mm	11/28, 12/28, 13/28, 14/32, 15/32, 16/36, 17/36, 18/36, 19/36, 20/36, 21/36

Cobalt chrome Femoral Heads (260(X)00(XX)E) are available in 22.25mm, 28mm, 32mm and 36mm diameters **| TABLE 3** and are compatible with MicroPort Orthopedics' Gladiator Bipolar, and Lineage Acetabular Systems. Refer to the ELEOS Limb Salvage System Instructions for Use for compatibility information.

> **NOTE |** MicroPort Orthopedics ceramic femoral heads in 28, 32, and 36mm diameters are compatible with the ELEOS System if a ceramic head is indicated.

Table 3.

NECK LENGTHS

Ø HEAD	MATERIAL	-3.5mm	0mm	+3.5mm	+7mm	+10.5mm
22.25mm	Co-Cr		X	X		
28mm	Co-Cr	X	X	X	X	X
32mm	Co-Cr	X	X	X	X	
36mm	Co-Cr	X	X	X	X	

SURGICAL TECHNIQUE STEPS

FEMORAL PREPARATION

FEMORAL RESECTION

To assure restoration of leg length, measure several points of reference between the pelvis and an area distal to the proposed resection area.

A Proximal Femoral Resection Template is available. The amount of bone to be resected is determined by clinical evaluation. To determine the midsection and stem to use consult **| TABLE 1.**

> **CAUTION |** Preoperative templating is intended for estimation purposes only. Final component size and position should be determined intraoperatively. Accurate pre-operative planning requires good quality standardized radiographs of the appropriate anatomy.

> **CAUTION |** A full femoral x-ray and/or 3 dimensional image or MRI must be reviewed prior to surgery to ensure adequate bone stock is available for resection and proper reaming.

Using the Proximal Femoral Resection Template, mark the level of the femoral resection by approximating the center of the femoral head with the hole in the template **| FIGURE 1.** Note the indicated femoral segment length on the template. Resect the proximal femur at the marked location, making a transverse cut **| FIGURE 2.**

Figure 1.

Figure 2.

ACETABULAR PREPARATION

Use a compatible acetabular system and prepare the acetabulum with standard technique.

> **NOTE |** ELEOS is compatible with MicroPort Orthopedics' Gladiator, Bipolar, and Lineage Acetabular Systems. Refer to the ELEOS Limb Salvage System Instructions for Use for Compatibility information.

FEMORAL REAMING AND PLANING

Based on preoperative planning, it is suggested to start by using a Reamer Trial at least 2 millimeters less than the assessed canal diameter. Progressively ream in 1/2mm or 1mm increments until cortical chatter is achieved. Ream the (femoral) canal using Reamer Trials by inserting to the full 120mm depth to face ream the resection area ensuring collar contact on the cortices | **FIGURE 3.** If a bowed stem is chosen, a set of flexible reamers can be used from the hospital's general surgical OR instrumentation. Follow the flexible reamer with the appropriate size Bowed Stem Planer, based on chosen stem diameter, to face ream the resection area and prepare for the stem taper geometry ensuring collar contact on the cortices. **| TABLE 4.**

Table 4.

Bowed Stem Planers		
Part #	**Description**	**Use with Bowed Stem Diameters**
BP-1113S-03N	Bowed Planer Small	11mm-13mm
BP-1417M-03N	Bowed Planer Medium	14mm-17mm
BP-1821l-03N	Bowed Planer Large	18mm-21mm

Select a stem diameter that corresponds to the appropriate cement mantle or canal filling fit based on clinical evaluation **| TABLE 1 (PAGE 3).**

> **NOTE |** Use the Reamer Trial Adapter **| FIGURE 3** with both Reamer Trials and Bowed Stem Planers to ream under power. To assemble the Reamer Trial Adapter, lift the sliding portion of the quick connect mechanism of the adapter, engage the post, aligning the hexagon, then release. The T-Handle can also be used with the Reamer Trial Adapter for manual reaming. The Reamer Trials are used for both reaming and subsequent trialing.

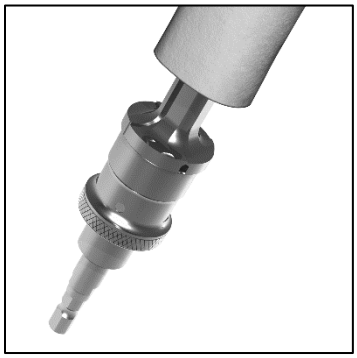


Figure 3.

NOTE | The Segmental Cemented Stem diameters from Table 1 are equal to Reamer Trial diameters. When determining the appropriate Reamer Trial size for the desired cement mantle, the difference will represent the cement mantle. For instance, reaming to a 13mm diameter will provide a line-to-line fit with a 13mm stem. Reaming to a 14mm will provide a 0.5mm cement mantle per side, while reaming to 15mm will provide a 1mm cement mantle per side.

CAUTION | Canal filling stems are 0.5mm larger in diameter than the corresponding diameter reamer trials. As with any plasma spray process, there may be slight variations to the overall diameter. The canal filling stems should be inserted through the various holes of the Ring Gauge to measure the actual stem implant diameter of the chosen stem. Additional reaming may be performed to achieve the desired press fit based on this information and based on the patient's bone quality **| FIGURE 4.**

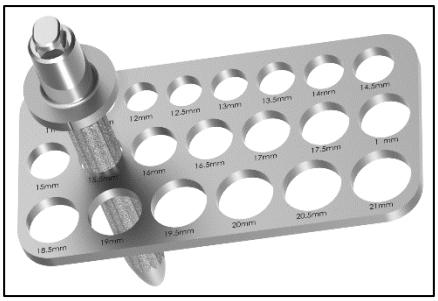


Figure 4.

NOTE | Cerclage wire can be used at the surgeon's discretion to address stresses in the bone that are inherent during the implantation of canal filling stems.

If a straight stem (100mm or 120mm) is planned to be utilized, this final diameter Reamer Trial is disconnected from the Reamer Trial Adapter and should be left in the distal femoral canal as it also functions as the stem trial.

TRIALING

REAMER TRIAL ASSEMBLY

Assemble the Trial Proximal Femur and any necessary Trial Midsections to the in-situ Reamer Trial to reproduce the appropriate resection length.

> **NOTE |** To reproduce the appropriate resection length within 10mm increments, two 40mm Trial Midsections are available in the instrumentation tray.

To assemble the Trial Midsections to the Reamer Trials, lift the sliding portion of the quick connect mechanism of the trial component, engage the post, aligning the tab with the slot, then release **| FIGURE 5.**

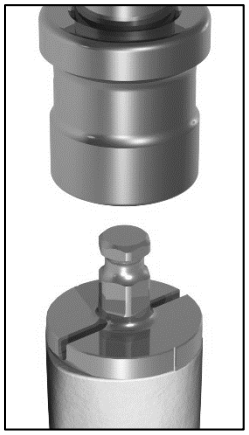


Figure 5.

BOWED TRIAL ASSEMBLY

Assemble the Trial Proximal Femur and any necessary Trial Midsections to the Bowed Trial Stem to reproduce the appropriate resection length.

> **NOTE |** When assembling a Bowed Trial Stem, ensure that the bow is in alignment with the curve of the bone.

> **NOTE |** To reproduce the appropriate resection length within 10mm increments, two 40mm Trial Midsections are available in the instrumentation tray.

To assemble the Trial Femoral Component and/or Trial Midsections to the Bowed Stem Trials, lift the sliding portion of the quick connect mechanism of the trial component, engage the post, aligning the tab with the slot, then release **| FIGURE 6.**

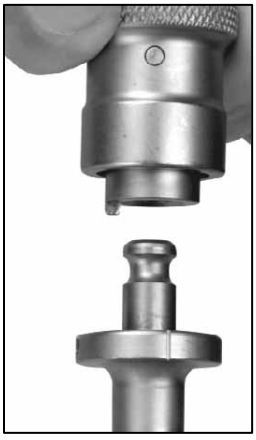


Figure 6.

After assembly, insert the femoral trial construct into the femoral canal.

> **CAUTION |** If the construct is difficult to insert into the femoral canal, replace the Bowed Stem Trial with the next smallest size until insertion is feasible.

TRIAL REDUCTION

Perform a trial reduction.

NOTE | To reproduce anteversion, the Reamer Trial can be rotated within the canal to achieve desired femoral rotation utilizing the T-Handle attached to the Reamer Trial Adapter or with the Proximal Femur Trial itself. To assemble the Reamer Trial Adapter, lift the sliding portion of the quick connect mechanism of the adapter, engage the post, aligning the hexagon, then release.

NOTE | If previously marked, the linea aspera can be used as an initial reference for rotational alignment of the proximal femur using the notch on the collar of the Reamer Trial. Rotate the Reamer Trial counter-clockwise until the markings are aligned. **| FIGURE 7.**

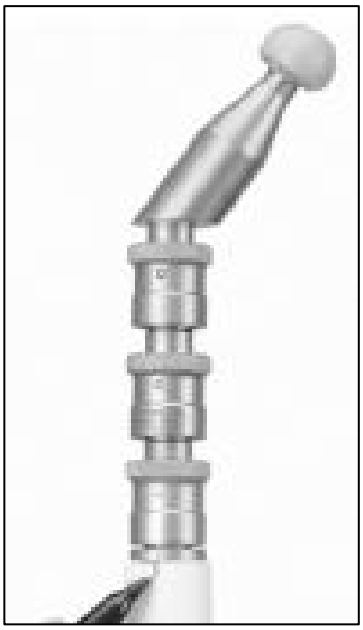


Figure 7.

After anteversion is set and a trial reduction is performed, mark or re-mark the rotational position on the bone from the notch on the collar of the Reamer Trial at the resection level. This will mark the position for the final implant. If the overall leg length requires adjustment or soft tissue tensioning, adjustments may require altering the choice of femoral head trials, midsection lengths and/or changing the resection level.

COMPONENT ASSEMBLY

On a rigid part of the back table, such as over or near the support legs, assemble the Proximal Femur on the Femoral Assembly Platform. Then assemble any optional Midsections to the Proximal Femur with five hard mallet blows using the Midsection Assembly Impactor **| FIGURE 7.**

Figure 7.

Place the Segmental Stem in the Proximal Femur/Midsection/Femoral Head component, or in the Proximal Femur if no Midsection was used, and assemble with five hard mallet blows using the Stem Assembly Impactor **| FIGURE 8.**

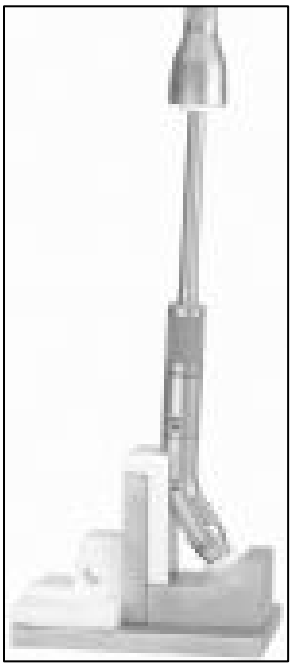


Figure 8.

PREPARATION OF CEMENT

Cement mixing begins and the femoral canal is cleaned using pulsating lavage and then dried with a femoral sponge or tampon. If desired, a cement restrictor (plug) can be placed in the canal. Cement is then injected in a pressurized retrograde fashion.

COMPONENT INSERTION

FEMORAL COMPONENT

Place the assembled implant in the femoral canal, aligning the anteversion mark on the stem with the anteversion mark on the femur **| FIGURE 9.**

Figure 9.

Figure 10.

Guide and impact the stem into the canal with the Proximal Femoral Impactor until the stem is seated at the resected plane **| FIGURE 10.** Remove excess cement. Proper position of the implant should be maintained until the cement cures.

Figure 11.

FEMORAL HEAD ASSEMBLY

A final trial reduction may be performed with the 22.25mm, 28mm, 32mm or 36mm Trial Femoral Heads to insure precise soft tissue balancing.

Remove the Trial Femoral Head from the implant. The taper of the femoral Segmental Stem should be cleaned and dried of any liquid or foreign materials. The Femoral Head is selected and placed on the femoral stem taper using a slight turning motion. Final seating of the Femoral Head is accomplished by impacting the Femoral Head Impactor with five final mallet blows **| FIGURE 11.**

COMPONENT DISASSEMBLY

To disengage the ELEOS tapers, insert the Taper Disassembly Tool into the hole on the side of the implant. Strike the end of the tool with a mallet until the components separate **| FIGURES 12 AND 13.**

Support the implant during disassembly. Alternatively, or in concert with disassembly tools, insert the Taper Disassembly Fork around the outside of the implant, below the seam between the two components to be disassembled. Strike the end of the fork to disengage the tapers **| FIGURES 14 AND 15.** Again, support the implant during disassembly.

Figure 12.

Figure 13.

Figure 14.

Figure 15.

EXPLANTATION INFORMATION

In a revision case, when Segmental Stem explantation is required, use the Stem Extractor Attachment and attach to the Slap Hammer Extractor Handle to remove the stem. To disengage Stem Extensions, use the Stem Implant Extractor-Adaptor. Assemble it to the Slap Hammer Pin Extractor. Next, thread the full assembly to the Stem Extension that needs to be removed. A Trephine from the hospital's general surgical OR instrumentation can also be used to remove the stem by placing the Trephine over the stem to ream the interface between the stem and the bone.

IMPLANTS

FEMORAL HEADS

PART NUMBER	DESCRIPTION	SIZE
26010002E	FEMORAL HEAD, +0MM TAPER	22.25MM
26010003E	FEMORAL HEAD, +3.5MM TAPER	22.25MM
26012801E	FEMORAL HEAD, -3.5MM TAPER	28MM
26012802E	FEMORAL HEAD, +0MM TAPER	28MM
26012803E	FEMORAL HEAD, +3.5MM TAPER	28MM
26012804E	FEMORAL HEAD, +7MM TAPER	28MM
26012805E	FEMORAL HEAD, +10.5MM TAPER	28MM
26010007E	FEMORAL HEAD, -3.5MM TAPER	32MM
26010008E	FEMORAL HEAD, 0MM TAPER	32MM
26010009E	FEMORAL HEAD, +3.5MM TAPER	32MM
26010010E	FEMORAL HEAD, +7MM TAPER	32MM
26000025E	FEMORAL HEAD, SUPER FINISH, -3.5MM TAPER	36MM
26000026E	FEMORAL HEAD, SUPER FINISH, +0MM TAPER	36MM
26000027E	FEMORAL HEAD, SUPER FINISH, +3.5MM TAPER	36MM
26000028E	FEMORAL HEAD, SUPER FINISH, +7MM TAPER	36MM

PROXIMAL FEMUR

PART NUMBER	DESCRIPTION	SIZE
25000001E	ELEOS PROXIMAL FEMUR	98MM RESECTION

MALE-FEMALE MIDSECTIONS

PART NUMBER	DESCRIPTION	SIZE
25001040E	ELEOS MALE-FEMALE MIDSECTION	40MM
25001050E	ELEOS MALE-FEMALE MIDSECTION	50MM
25001060E	ELEOS MALE-FEMALE MIDSECTION	60MM
25001070E	ELEOS MALE-FEMALE MIDSECTION	70MM
25001090E	ELEOS MALE-FEMALE MIDSECTION	90MM
25001110E	ELEOS MALE-FEMALE MIDSECTION	110MM
25001140E	ELEOS MALE-FEMALE MIDSECTION	140MM

SEGMENTAL STEMS (CEMENTED)

PART NUMBER	DESCRIPTION	SIZE
CS-09100-03M	ELEOS SEGMENTAL STEM	9MM X 100MM
CS-10100-03M	ELEOS SEGMENTAL STEM	10MM X 100MM
CS-11120-03M	ELEOS SEGMENTAL STEM	11MM X 120MM
CS-13120-03M	ELEOS SEGMENTAL STEM	13MM X 120MM
CS-15120-03M	ELEOS SEGMENTAL STEM	15MM X 120MM
CS-17120-03M	ELEOS SEGMENTAL STEM	17MM X 120MM
CB-11152-03M	ELEOS SEGMENTAL STEM	11MM X 152MM
CB-13152-03M	ELEOS SEGMENTAL STEM	13MM X 152MM
CB-15152-03M	ELEOS SEGMENTAL STEM	15MM X 152MM
CB-17152-03M	ELEOS SEGMENTAL STEM	17MM X 152MM
CB-11200-03M	ELEOS SEGMENTAL STEM	11MM X 200MM
CB-13200-03M	ELEOS SEGMENTAL STEM	13MM X 200MM
CB-15200-03M	ELEOS SEGMENTAL STEM	15MM X 200MM
CB-17200-03M	ELEOS SEGMENTAL STEM	17MM X 200MM
CB-11255-03M	ELEOS SEGMENTAL STEM	11MM X 255MM

SEGMENTAL STEMS (CANAL FILLING)

PART NUMBER	DESCRIPTION	SIZE
FS-11120-03M	ELEOS SEGMENTAL STEM	11MM X 120MM
FS-12120-03M	ELEOS SEGMENTAL STEM	12MM X 120MM
FS-13120-03M	ELEOS SEGMENTAL STEM	13MM X 120MM
FS-14120-03M	ELEOS SEGMENTAL STEM	14MM X 120MM
FS-15120-03M	ELEOS SEGMENTAL STEM	15MM X 120MM
FS-16120-03M	ELEOS SEGMENTAL STEM	16MM X 120MM
FS-17120-03M	ELEOS SEGMENTAL STEM	17MM X 120MM
FS-18120-03M	ELEOS SEGMENTAL STEM	18MM X 120MM
FS-19120-03M	ELEOS SEGMENTAL STEM	19MM X 120MM
FS-20120-03M	ELEOS SEGMENTAL STEM	20MM X 120MM
FS-21120-03M	ELEOS SEGMENTAL STEM	21MM X 120MM
FB-11152-03M	ELEOS SEGMENTAL STEM	11MM X 152MM
FB-12152-03M	ELEOS SEGMENTAL STEM	12MM X 152MM
FB-13152-03M	ELEOS SEGMENTAL STEM	13MM X 152MM
FB-14152-03M	ELEOS SEGMENTAL STEM	14MM X 152MM
FB-15152-03M	ELEOS SEGMENTAL STEM	15MM X 152MM
FB-16152-03M	ELEOS SEGMENTAL STEM	16MM X 152MM
FB-17152-03M	ELEOS SEGMENTAL STEM	17MM X 152MM
FB-18152-03M	ELEOS SEGMENTAL STEM	18MM X 152MM
FB-19152-03M	ELEOS SEGMENTAL STEM	19MM X 152MM
FB-20152-03M	ELEOS SEGMENTAL STEM	20MM X 152MM
FB-21152-03M	ELEOS SEGMENTAL STEM	21MM X 152MM

INSTRUMENTS

REAMERS

PART NUMBER	DESCRIPTION	SIZE
K0051010E	CYLINDRICAL REAMER	10MM
K0051011E	CYLINDRICAL REAMER	11MM
K0051012E	CYLINDRICAL REAMER	12MM
K0051013E	CYLINDRICAL REAMER	13MM
K0051014E	CYLINDRICAL REAMER	14MM
K0051015E	CYLINDRICAL REAMER	15MM
K0051016E	CYLINDRICAL REAMER	16MM
K0051017E	CYLINDRICAL REAMER	17MM
K0051018E	CYLINDRICAL REAMER	18MM
K0051019E	CYLINDRICAL REAMER	19MM
K0051020E	CYLINDRICAL REAMER	20MM
K0051021E	CYLINDRICAL REAMER	21MM
001-03-00017	REAMERS (TRAY 17)	ONE SIZE
001-03-00028	TRAY LID FULL	ONE SIZE

REAMER TRIALS

PART NUMBER	DESCRIPTION	SIZE
RT-09000-03N	REAMER TRIAL	9MM X 100MM
RT-10000-03N	REAMER TRIAL	10MM X 100MM
RT-10500-03N	REAMER TRIAL	10.5MM X 120MM
RT-11000-03N	REAMER TRIAL	11MM X 120MM
RT-11500-03N	REAMER TRIAL	11.5MM X 120MM
RT-12000-03N	REAMER TRIAL	12MM X 120MM
RT-12500-03N	REAMER TRIAL	12.5MM X 120MM
RT-13000-03N	REAMER TRIAL	13MM X 120MM
RT-13500-03N	REAMER TRIAL	13.5MM X 120MM
RT-14000-03N	REAMER TRIAL	14MM X 120MM
RT-14500-03N	REAMER TRIAL	14.5MM X 120MM
RT-15000-03N	REAMER TRIAL	15MM X 120MM
RT-15500-03N	REAMER TRIAL	15.5MM X 120MM
RT-16000-03N	REAMER TRIAL	16MM X 120MM
RT-16500-03N	REAMER TRIAL	16.5MM X 120MM
RT-17000-03N	REAMER TRIAL	17MM X 120MM
RT-17500-03N	REAMER TRIAL	17.5MM X 120MM
RT-18000-03N	REAMER TRIAL	18MM X 120MM
RT-18500-03N	REAMER TRIAL	18.5MM X 120MM
RT-19000-03N	REAMER TRIAL	19MM X 120MM
RT-19500-03N	REAMER TRIAL	19.5MM X 120MM
RT-20000-03N	REAMER TRIAL	20MM X 120MM
RT-20500-03N	REAMER TRIAL	20.5MM X 120MM
RT-21000-03N	REAMER TRIAL	21MM X 120MM
RT-ADAPT-03N	REAMER TRIAL ADAPTER	ONE SIZE
25107400E	STEM EXTRACTOR ATTACHMENT	ONE SIZE
RG-RINGS-03N	RING GAGES	ONE SIZE
001-03-00018	REAMER TRIALS (TRAY 18)	ONE SIZE
001-03-00028	TRAY LID FULL	ONE SIZE

BOWED SEGMENTAL STEM TRIALS

PART NUMBER	DESCRIPTION	SIZE
BT-11152-03N	TRIAL SEGMENTAL STEM	11MM X 152MM
BT-12152-03N	TRIAL SEGMENTAL STEM	12MM X 152MM
BT-13152-03N	TRIAL SEGMENTAL STEM	13MM X 152MM
BT-14152-03N	TRIAL SEGMENTAL STEM	14MM X 152MM
BT-15152-03N	TRIAL SEGMENTAL STEM	15MM X 152MM
BT-16152-03N	TRIAL SEGMENTAL STEM	16MM X 152MM
BT-17152-03N	TRIAL SEGMENTAL STEM	17MM X 152MM
BT-18152-03N	TRIAL SEGMENTAL STEM	18MM X 152MM
BT-19152-03N	TRIAL SEGMENTAL STEM	19MM X 152MM
BT-20152-03N	TRIAL SEGMENTAL STEM	20MM X 152MM
BT-21152-03N	TRIAL SEGMENTAL STEM	21MM X 152MM
BP-1113S-03N	BOWED STEM PLANER	11MM – 13MM
BP-1417M-03N	BOWED STEM PLANER	14MM – 17MM
BP-1821L-03N	BOWED STEM PLANER	18MM – 21MM
001-03-00019	BOWED SEGMENTAL STEM TRIALS (TRAY 19)	ONE SIZE
001-03-00028	TRAY LID FULL	ONE SIZE

LONG BOWED SEGMENTAL STEM TRIALS

PART NUMBER	DESCRIPTION	SIZE
BT-11200-03N	TRIAL SEGMENTAL STEM	11MM X 200MM
BT-13200-03N	TRIAL SEGMENTAL STEM	13MM X 200MM
BT-15200-03N	TRIAL SEGMENTAL STEM	15MM X 200MM
BT-17200-03N	TRIAL SEGMENTAL STEM	17MM X 200MM
BT-11255-03N	TRIAL SEGMENTAL STEM	11MM X 255MM
001-03-00020	LONG BOWED SEGMENTAL STEM TRIALS (TRAY 20)	ONE SIZE
001-03-00029	TRAY LID HALF	ONE SIZE

ASSEMBLY/DISASSEMBLY INSTRUMENTS

PART NUMBER	DESCRIPTION	SIZE
18041000E	SLAP HAMMER EXTRACTOR HANDLE	ONE SIZE
25100008E	TIBIAL BASEPLATE ASSEMBLY PLATFORM	ONE SIZE
25107000E	TAPER DISASSEMBLY TOOL	ONE SIZE
25107001E	TAPER DISASSEMBLY FORK	ONE SIZE
25107101E	FEMORAL ASSEMBLY PLATFORM	ONE SIZE
25107500E	MIDSECTION ASSEMBLY IMPACTOR	ONE SIZE
SI-7501E-03N	STEM ASSEMBLY IMPACTOR	ONE SIZE
25107600E	FEMORAL IMPACTOR	ONE SIZE
25107601E	DISTAL FEMORAL EXTRACTOR	ONE SIZE
25107602E	TIBIAL IMPACTOR	ONE SIZE
001-03-00002	ASSEMBLY/DISASSEMBLY INSTRUMENTS (TRAY 2)	ONE SIZE
001-03-00016	TRAY LID STANDARD	ONE SIZE

PROXIMAL/DISTAL FEMORAL SEGMENTAL TRIALS

PART NUMBER	DESCRIPTION	SIZE
18052205E	TRIAL FEMORAL HEAD	22MM OD +0MM
18052206E	TRIAL FEMORAL HEAD	22MM OD +3.5MM
18056050E	TRIAL FEMORAL HEAD	32MM OD -3.5MM
18056051E	TRIAL FEMORAL HEAD	32MM OD +0MM
18056052E	TRIAL FEMORAL HEAD	32MM OD +3.5MM
18056053E	TRIAL FEMORAL HEAD	32MM OD +7MM
18056054E	TRIAL FEMORAL HEAD	32MM OD W/FLAT -3.5MM
18056007E	TRIAL FEMORAL HEAD	32MM OD W/FLAT +0MM
18056008E	TRIAL FEMORAL HEAD	32MM OD W/FLAT +3.5MM
18056009E	TRIAL FEMORAL HEAD	32MM OD W/FLAT +7MM
18056010E	TRIAL FEMORAL HEAD	28MM OD W/ FLAT -3.5MM
18056020E	TRIAL FEMORAL HEAD	28MM OD W/ FLAT +0MM
18056021E	TRIAL FEMORAL HEAD	28MM OD W/ FLAT +3.5MM
18056022E	TRIAL FEMORAL HEAD	28MM OD W/ FLAT +7MM
18056023E	TRIAL FEMORAL HEAD	28MM OD W/ FLAT +10.5MM
18080279E	PROXIMAL FEMUR IMPACTOR	ONE SIZE
18810211E	UNIVERSAL IMPACTOR	ONE SIZE
25100001E	TRIAL PROXIMAL FEMUR	ONE SIZE
25100003E	TRIAL DISTAL FEMUR RIGHT	ONE SIZE
25100005E	TRIAL DISTAL FEMUR LEFT	ONE SIZE
25100040E	TRIAL MALE-FEMALE MIDSECTION	40MM
25100050E	TRIAL MALE-FEMALE MIDSECTION	50MM
25100060E	TRIAL MALE-FEMALE MIDSECTION	60MM
25100070E	TRIAL MALE-FEMALE MIDSECTION	70MM
25100090E	TRIAL MALE-FEMALE MIDSECTION	90MM
25100110E	TRIAL MALE-FEMALE MIDSECTION	110MM
25100140E	TRIAL MALE-FEMALE MIDSECTION	140MM
25102113E	TRIAL AXIAL PIN	ONE SIZE
25107502E	PROXIMAL FEMORAL RESECTION TEMPLATE	ONE SIZE
25107504E	DISTAL FEMORAL RESECTION TEMPLATE	ONE SIZE
001-03-00004	PROXIMAL DISTAL FEMORAL SEGMENTAL TRIALS (TRAY 4)	ONE SIZE
001-03-00016	TRAY LID STANDARD	ONE SIZE

The ELEOS Limb Salvage System is compatible with the following MicroPort Orthopedics systems trademarked by MicroPort: Guardian, Advance, Gladiator, Lineage, and Transcend.

ELEOS is a trademark of Onkos Surgical.
 ELSS PF 1.11.19 V0

Onkos Surgical
77 East Halsey Road
Parsippany, NJ 07054
973.264.5400
www.onkossurgical.com