



XLO, established in 1992, has emerged as a pioneering force in the field of orthopaedic implants. The company is dedicated to enhancing patient outcomes and improving quality of life through innovative solutions in orthopaedics.

With a strong emphasis on quality and precision, *XLO a US FDA, CE, ISO13485:2016, WHO:GMP, ISO 9001:2015 & Indian FDA* has positioned itself as a leader in the design, development, and manufacturing of advanced orthopaedic implants.

XLO offers the most extensive range of Cementless & Cemented Joint Replacement Implants, Trauma Implants, 3d Printed Patient Specific Implants & Instruments along with Bone Cement with a state-of-the-art manufacturing facility located in New Delhi, India. This facility is equipped with advanced technology that supports the production of high-quality orthopaedic implants while adhering to strict regulatory standards.

The company has established a pan-India presence, ensuring that its products are accessible across the country. Furthermore, XLO exports its innovative solutions worldwide, contributing significantly to global healthcare advancements in orthopaedics.







XI-spine innovations Pedicle Screw System

Features & Benefits

Optimized Visualization and Access

Implants have a low profile and reducers are designed with minimal bulk for improved visualization.

Locking Mechanism

Optimized buttress thread on the set screw minimizes the potential for head splay and cross threading.

Self-tapping screw tip

Aggressive cutting flute is designed to provide surgeons the option of eliminating the tapping step of the surgical procedure.

Monoaxial Pedicle Screw

Ref. No	Dia(Ø)	Length
XL101.45.L	Ø4.5mm	25mm To 45mm
XL102.55.L	Ø5.5mm	30mm To 50mm
XL103.65.L	Ø6.5mm	30mm To 50mm

Polyaxial Pedicle Screw

Ref. No	Dia(Ø)	Length
XL104.45.L	Ø4.5mm	25mm To 45mm
XL105.55.L	Ø5.5mm	30mm To 50mm
XL106.65.L	Ø6.5mm	30mm To 90mm
XL134.70.L	Ø7.0mm	30mm To 90mm

Reduction Monoaxial Pedicle Screw



Ref. No	Dia(Ø)	Length	Ref. No	Dia(Ø)	Length
XL107.55.L	Ø5.5mm	30mm To 50mm	XL109.55.L	Ø5.5mm	30mm To 50mm
XL108.65.L	Ø6.5mm	30mm To 50mm	XL110.65.L	Ø6.5mm	30mm To 50mm









Dual Lead Thread form

Substantial grip in osteoporotic bones. Color-coded by bone screw diameter.

Optimized Visualization and Access

Implants have a low profile and reducers are designed with minimal bulk for improved visualization.

Locking Mechanism

Optimized buttress thread on the set screw minimizes the potential for head splay and cross threading.

Self-tapping screw tip

Aggressive cutting flute is designed to provide surgeons the option of eliminating the tapping step of the surgical procedure.

Monoaxial Pedicle Screw

Ref. No	Dia(Ø)	Length
XL128.45.L	Ø4.5mm	25mm To 45mm
XL129.55.L	Ø5.5mm	30mm To 50mm
XL130.65.L	Ø6.5mm	30mm To 50mm



Polyaxial Pedicle Screw

Ref. No	Dia(Ø)	Length
XL131.45.L	Ø4.5mm	25mm To 45mm
XL132.55.L	Ø5.5mm	30mm To 50mm
XI.133.65.I	Ø6.5mm	30mm To 90mm









H. A. Coating

Eliminates the problem of screw loosening irrespective of gender, age, number of level stabilised or whether there was previous lumbar surgery. Color-coded by bone screw diameter.

Optimized Visualization and Access

Implants have a low profile and reducers are designed with minimal bulk for improved visualization.

Locking Mechanism

Optimized buttress thread on the set screw minimizes the potential for head splay and cross threading.

Monoaxial Pedicle Screw

Ref. No	Dia(Ø)	Length
XL426.45.L	Ø4.5mm	25mm To 45mm
XL427.55.L	Ø5.5mm	30mm To 50mm
XI 428 65 I	Ø6.5mm	30mm To 50mm



Polyaxial Pedicle Screw

Ref. No	Dia(Ø)	Length
XL429.45.L	Ø4.5mm	25mm To 45mm
XL430.55.L	Ø5.5mm	30mm To 50mm
XL431.65.L	Ø6.5mm	30mm To 90mm



Reduction Polyaxial Pedicle Screw

Ref. No	Dia(Ø)	Length
XL436.55.L	Ø5.5mm	30mm To 50mm
XL437.65.L	Ø6.5mm	30mm To 50mm









It helps to inject the bone cement into the vertebral body and eliminates the problem of screw loosening irrespective of gender, age, number of level stabilised or whether there was previous lumbar surgery.

Color-coded by bone screw diameter.

Optimized Visualization and Access

Implants have a low profile and reducers are designed with minimal bulk for improved visualization.

Locking Mechanism

Optimized buttress thread on the set screw minimizes the potential for head splay and cross threading.

Polyaxial Pedicle Screw

Ref. No	Dia(Ø)	Length
XL131.45.L	Ø4.5mm	25mm To 45mm
XL132.55.L	Ø5.5mm	30mm To 50mm
XI 133 65 I	Ø6 5mm	30mm To 90mm









Rod Insertion System provides surgeons with next generation technology that will revolutionize the future of spine care.



MIS Spine Pedicle Screw

Ref. No	Dia(Ø)	Length
XL432.55.L	Ø4.5mm	25mm To 45mm
XL433.60.L	Ø5.5mm	30mm To 50mm
XL434.65.L	Ø6.5mm	30mm To 50mm
XL435.70.L	Ø7.0mm	30mm To 50mm

MIS Screw Rod, Curved

Ref. No	Length
XL442.L	40mm to 100mm (5 mm Variation)
	110mm &120mm



MIS Screw Rod, Straight

Ref. No	Length
XL444.L	40mm to 200mm (10 mm Variation)







Tail tab stabilizes long arms during insertion & designed breakable befor rod placement

80mm long arm applicable for all body types intergrated fabrication ensures safe implantation

Gaps at long arm tail complied with the reduction clamp facilitates rod compression and spondylolisthesis reduction

Unique reversed thread technology & star recess minimize worn thread & shoving force at screw tail

Low profile, smaller screw tail basal area & duo thread enhance screw intensity, pullout strength and insertion speed

Monoaxial Pedicle Screw

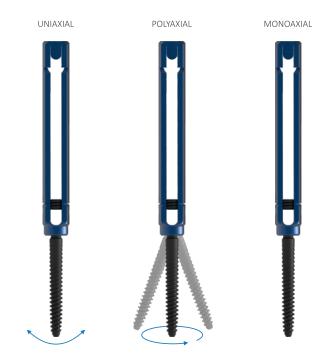
Ref. No	XL138.D.L
Dia(Ø)	Ø4.5, Ø5.0, Ø5.5, Ø6.0, Ø6.5, Ø7.0 & Ø7.5
Length	25MM TO 55MM (5mm Increments)

UNIAXIAL Pedicle Screw

Ref. No	XL139.D.L
· · · · · · · · · · · · · · · · · · ·	Ø5.0, Ø5.5, Ø6.0, Ø6.5, Ø7.0 & Ø7.5
Length	35MM TO 55MM (5mm Increments)

POLYAXIAL Pedicle Screw

Ref. No	XL140.D.L
Dia(Ø)	Ø5.5, Ø6.0, Ø6.5, Ø7.0 & Ø7.5
Length	35MM TO 55MM (5mm Increments)



MIS Screw Rod, Curved

Ref. No	Length
XL442.L	40mm to 100mm (5 mm Variation)
	110mm &120mm











XL-Occifix screw connector (Single Hole)

Ref. No XL214.01



XL-Occifix screw connector (Double Hole)

Ref. No XL214.02



XL-Occifix screw connector Open (Single Hole)

Ref. No XL215.01



XL-Occifix screw connector Open (Double Hole)

Ref. No XL215.02



3.5 mm Laminar Hook

5.5 mm Laminar Hook

Ref. No XL136.35

Ref. No XL136.55





Spine Connecting System

Multispan Crosslink Connector

Ref. No	Length
XL446.XS	30-34 mm
XL446.S	34-42 mm
XL446.M	40-53 mm
XL446.L	50-70 mm



Connecting Rod 5.5 mm - One Side Hex

Ref. No	Length
XL111.55.50	50mm
XL111.55.60	60mm
XL111.55.70	70mm
XL111.55.80	80mm
XL111.55.90	90mm
XL111.55.100	100mm
XL111.55.110	110mm
XL111.55.120	120mm
XL111.55.130	130mm
XL111.55.140	140mm
XL111.55.150	150mm
XL111.55.200	200mm
XL111.55.250	250mm
XL111.55.300	300mm



Transverse Connector - Square

Ref. No XL122

Transverse Connector Rod - Square

Ref. No	Length
XL123.50	50mm
XL123.60	60mm
XL123.70	70mm
XL123.80	80mm
XL123.90	90mm
XL123.100	100mm
XL123.110	110mm
XL123.120	120mm







Posterior Cervical Connecting Rod, Ø3.5mm

Ref. No XL205.35.300

Length 300mm

Pre Bend Connecting Rod, Ø3.5mm

Ref. No XL210

Length 100mm X 200mm



Ref. No XL211.300

Length 100mm X 200mm

Inline connector 3.5mm to 5.5mm

Ref. No XL218



Domino connector 3.5mm to 5.5mm

Ref. No XL219



Triangle connector 3.5mm to 5.5mm







Spine Connecting System

Inline Connector - 5.5 X 5.5mm

Ref. No XL145



Inline Connector - Long 5.5 X 5.5mm

Ref. No XL210



Spine Staple

Ref. No XL113



Domino Connector -Square 5.5 X 5.5mm

Ref. No XL218



Domino Connector -Rectangle 5.5 X 5.5mm

Ref. No XL144



Lateral Connector 5.5mm

Ref. No	Length	
XL147.20L	20mm	
XL147.30L	30mm	
XL147.40L	40mm	



20 mm







40 mm





Ø3.5mm Posterior Cervical Screw (Short Thread)

Ref. No XL222.35.L Length 26mm to 40mm (2mm Increment)

Ø3.5mm Posterior Cervical Screw (Full Thread)

Ref. No XL223.35.L

Length 10mm to 40mm (2mm Increment)

Ø4.0mm Posterior Cervical Screw (Short Thread)

Ref. No XL224.40.L Length 26mm to 40mm (2 mm Increment)

Ø4.0mm Posterior Cervical Screw (Full Thread)

Ref. No XL225.40.L Length 10mm to 40mm (2mm Increment)

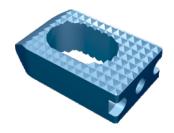
Flower Design for Extra angle Movement





Posterior Cervical C1-C2 Spacer

Ref. No	Length	
XL451.T30	3.0mm	
XL451.T35	3.5mm	
XL451.T40	4.0mm	
XL451.T45	4.5mm	
XL451.T50	5.0mm	







Small Profile of the screw head

Wide screw angle and low profile allows for easy adaptation of the construct to patient anatomy

Accept 3.5 mm Rod

Available in 3.5 mm and 4.0 mm Diameter

Partially Thread option available in 3.5 mm and 4.0 mm Diameter







Set screw thread design ensures maximum strength and stabilization of the polyaxial construct



Ref. No XL206

Ø3.5mm Posterior Cervical Screw (Short Thread)

Ref. No XL201.35.L

Length 26mm to 40mm (2mm Increment)

Ø3.5mm Posterior Cervical Screw (Full Thread)

Ref. No XL202.35.L

Length 12mm to 30mm (2mm Increment)

Ø4.0mm Posterior Cervical Screw (Short Thread)

Ref. No XL203.40.L

Length 26mm to 40mm (2 mm Increment)

Ø4.0mm Posterior Cervical Screw (Full Thread)

Ref. No XL202.40.L

Length 26mm to 40mm (2 mm Increment)

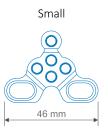


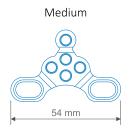
XI-spine innovations Adjustable Occipital Plate

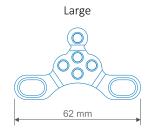
Adjustable Occipital Plates Type II

XLO Offers three adjustable occipital plate sizes to accommodate the patient's anatomy. An occipital strap is available for fixation to the superior midline fixation hole. The XLO System offers Ø4.5 mm occipital bone screws that have cortical threads. The XLO System has many occipital rod options including: pre-cut titanium, pre-contoured titanium. Rods transition to a Ø 3.5 mm diameter occipital portion to allow for a stronger construct.









Adjustable Occipital Plates Type II

Ref. No	Size	
XL213.S	SMALL	
XL213.M	MEDIUM	
XL213.L	LARGE	

Plate Rod

XLO offers two adjustable occipital plate sizes to accommodate the patient's anatomy. This Occifix plate is available two different sizes and it is combined with the Ø3.5mm diameter rod. The XLO System offers Ø4.5 mm occipital bone screws that have cortical threads. The XLO System has many occipital rod options including: pre-cut titanium, pre-contoured titanium. Rods transition to a Ø3.5 mm diameter occipital portion to allow for a stronger construct.

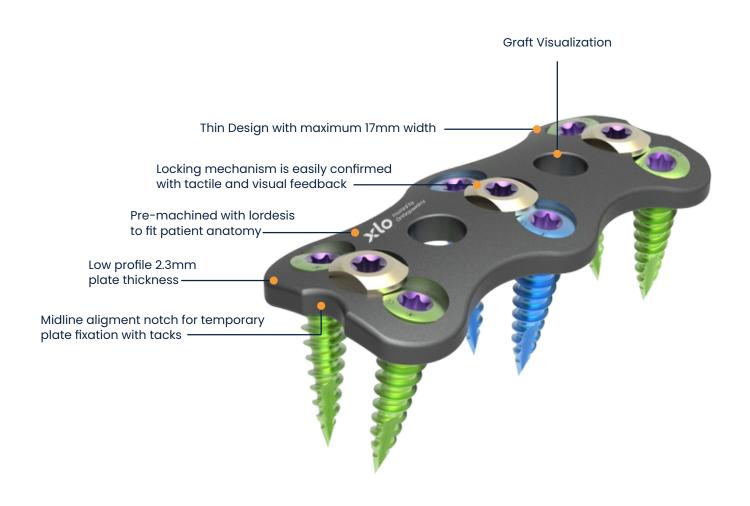
Plate Rod

Ref. No	Size
XL212.100	100mm
XL212.200	200mm

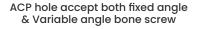




XI-spine innovations Anterior Cervical Plate













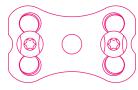
Variable angle Screw



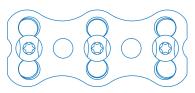
XI-spine innovationsAnterior Cervical Plate

Anterior Cervical Spine Plate

Ref. No	Length	Hole
XL448.21	21mm	4
XL448.23	23mm	4
XL448.25	25mm	4
XL448.27	27mm	4
XL448.29	29mm	4
XL448.31	31mm	4
XL448.33	33mm	4
XL448.35	35mm	4
XL448.37	37mm	4
XL448.39	39mm	6
XL448.41	41mm	6
XL448.43	43mm	6
XL448.45	45mm	6
XL448.47	47mm	6
XL448.49	49mm	6
XL448.55	55mm	6
XL448.54	54mm	8
XL448.66	57mm	8
XL448.57	60mm	8
XL448.69	63mm	8
XL448.60	66mm	8
XL448.72	69mm	8
XL448.63	72mm	8
XL448.75	75mm	8



4 Holes



6 Holes



8 Holes

4.0 Fixed angle Cervical Screw

Ref. No	Length	
XL449.40.11	llmm	
XL449.40.13	13mm	
XL449.40.15	15mm	
XL449.40.17	17mm	
XL449.40.19	19mm	



4.5 Fixed angle Cervical Screw

Ref. No	Length
XL449.45.11	llmm
XL449.45.13	13mm
XL449.45.15	15mm
XL449.45.17	17mm
XL449.45.19	19mm

4.0 Variable angle Cervical Screw

	•	
Ref. No	Length	
XL450.40.11	llmm	
XL450.40.13	13mm	
XL450.40.15	15mm	
XL450.40.17	17mm	
XL450.40.19	19mm	

4.5 Variable angle Cervical Screw

Ref. No	Length	
XL450.45.11	llmm	
XL450.45.13	13mm	
XL450.45.15	15mm	
XL450.45.17	17mm	
XL450.45.19	19mm	





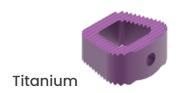
XI-spine innovationsAnterior Cervical Cages



Large grafting area to optimize bone fusion.



X-ray markers allows 3D-Visualization & radiological Identificaton.



Ref. No XL407.H

Height 5, 6, 7, 8, 9, 10 & 11mm



Ref. No XL415.H

Height 5, 6, 7, 8, 9, 10 & 11mm

D-Anterior Cervical Spine Plate



X-ray markers allows 3D-Visualization & radiological Identificaton.



Large grafting area to optimize bone fusion.



Implant teeth reduces likelihood of migration in any direction.



Ref. No XL408.H

Height 5, 6, 7, 8, 9, 10 & 11mm



Peek

Ref. No XL416.H

Height 5, 6, 7, 8, 9, 10 & 11mm



XI-spine innovationsAnterior Cervical Cages

Features & Benefits

Natural Anatomical Profile

Integrated plate and spacer is designed to preserve the natural anatomical profile of the spine.

Less Disruptive

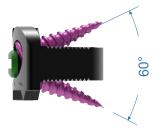
The system streamlines the en re ACDF procedure and facilitates a less invasive approach through a small incision with less retraction.

Biomechanical Strength and Stability

Biomechanically comparable to a tradi onal 2-level ACDF









Ref. No XL419.H

Height 5, 6, 7, 8 & 9mm



Ref. No XL424.H

Height 5, 6, 7, 8 & 9mm

Cervical Interbody Cage, Expandable - PEEK

Ref. No XL501.PH.LW

Height 4, 5, 6, 7, 8, 9 & 10mm

Length 14 & 16mm Width 12 & 14mm





XI-spine innovations Anterior Cervical Cages

Indication

Degenerative disc disease (DDD, defined as neck pain of discogenic origin degeneration of the disc confirmed by history and radiographic studies)

Spinal stenosis

Failed previous fusions

Pseudoarthrosis



Aggressive tooth



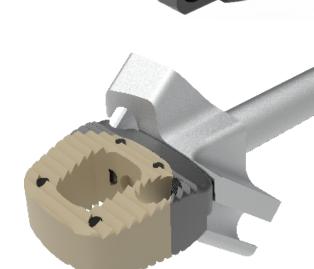
Anatomical Shape



Large BoneDraft Window



Threaded inserter allows for quick capture and stable insertion.



Titanium

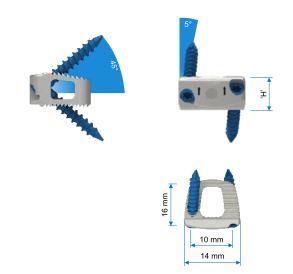
Ref. No	XL421.H
Height	5, 6, 7, 8, 9 & 10mm

Peek

Ref. No	XL425.H
Height	5, 6, 7, 8, 9 & 10mm

PEEK with Bone Graft

Ref. No	XL461.H
Height	5, 6, 7, 8, 9 & 10mm





XI-spine innovations P Cervical Cages

Features & Benefits

High mechanical strength and stability for demanding cervical surgical procedures

Simple surgical technique from preformed plates and fixedangle screws

Self-locking screw

Accommodates autogenous bone graft to allow fusion to occur through the implant.

Self-drilling screw design offers quicker bone screw purchase.

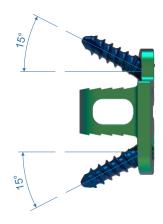


P Cervical Cage with Plate

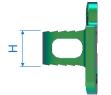
Titanium

Ref. No XL420.H

Height 5, 6, 7, 8, 9 & 10mm













Anterior vertebral column stabilized to become load bearing

Vertebral bodies can be substituted

Cylindrical Hollow design offers to be filled implants with bone substitute.

The Implant is harbour easily & safely between the adjacent end plate of the vertebral bodies.

Expandable Jack Cage with Plate

Ref. No	XL423.TD.S
Dia Ø	Ø 12, Ø 14 & Ø 16
Size	20 X 25, 25 X 32.5 & 30 X 42.5



Expandable Plus Jack Cage with Plate

Ref. No	XL456.TD.S
Dia Ø	Ø 12, Ø 14 & Ø 16
Size	20, 25 & 30

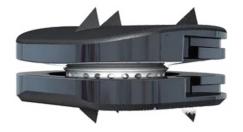






Expandable Jack Cage with Plate

Ref. No	XL455.H.LW
Height	5, 6, 7 & 8mm
Length	14 & 16mm
Width	12 & 14mm



Anterior Cervical Lag Screw - S/D, Cannulated

Ref. No XL152.L

Height 28mm to 50mm (2mm Increment)





XI-spine innovations Banana Cage

Indication

Advanced Discopathies

Extensive Decompression

Spodylolisthesis

Failed disc surgery

Re-current disc herniation

Post-operative instability

Lumber pseudarthrosis





Tapered tip facilitates easy insertion.



Anatomical shape and aggressive tooth pattern maximizes end plate contact and stability.



Large graft area allows substantial bone growth.

Titanium

Ref. No	XL412.PH.L
Height	5, 6, 7, 8, 9, 10, 11, 12 & 13mm
Length	25 & 30mm

Peek

Ref. No	XL417.PH.L
Height	5, 6, 7, 8, 9, 10, 11, 12 & 13mm
Length	25 & 30mm



XI-spine innovations Bullet Cage

Features & Benefits

- Imported Medical Vesta material

Closed to human skeleton in modulus of elasticity share the stress with cancellous bone and facilitates fusion X-ray permeable and make fusion observation convenient after surgery

- Preset X-ray Marker

Facilitate confirming implant location during and after surgery

- Bullet shaped foreside Easier insertion specially anteriorly

- Convex design

Fit closer to vertebral

Self-distracting intervertebral space at insertion

Facilitates maintenance and restoration of lumbar physiological curvature and prevent lumbago after surgery

- Serrated teeth surface

Provide ideal initial stability and no easy to come offween the adjacent end plate of the vertebral bodies.



Bullet shaped foreside



Preset X-ray Marker



Serrated teeth surface

Titanium

Ref. No	XL414.H.L
Height	7, 8, 9, 10, 11, 12, 13mm
Length	20 & 25mm

Peek

Ref. No	XL418.PH.L
Height	7, 8, 9, 10, 11, 12, 13mm
Length	20 & 25mm



xl-spine innovations TLIF Cage

Features & Benefits

Large segmental bone graft area for better fusion, promote better graft integration and maximize contact area between vertebral end plate and bone graft.









Tapered tip facilitates easy insertion.



Anatomical shape and aggressive tooth pattern maximizes end plate contact and stability.



Large graft area allows substantial bone growth.

Titanium

Ref. No	XL439.PH.LW
Height	7, 8, 9, 10, 11, 12, 13mm
Length	27 & 30mm
Width	10 & 12mm

Peek

Ref. No	XL441.PH.LW
Height	7, 8, 9, 10, 11, 12, 13mm
Length	27 & 30mm
Width	10 & 12mm





Large segmental bone graft area for better fusion, promote better graft integration and maximize contact area between vertebral end plate and bone graft.











Bullet shaped foreside

Serrated teeth surface

Preset X-ray Marker

Titanium

Ref. No XL440.TH.L Height 7, 8, 9, 10, 11, 12, 13mm Length 22, 26 & 32mm

Peek

Ref. No XL438.PH.L Height 7, 8, 9, 10, 11, 12, 13mm Length 22, 26 & 32mm



xl-spine innovations Cages

PLIF Expandable PEEK Cage





TLIF Expandable PEEK Cage

Ref. No	XL502.PH
Height	6 to 16mm



OLIF Cage 0°





OLIF Cage 6°

Ref. No	XL458.45.H
Height	9 to 16mm

OLIF Plate

Ref. No	XL459.S	Small
	XL459.L	Larae



OLIF S/T Screw

Ref. No	XL460.L
Length	20 to 50 (5mm INC.)

Adjustable Lumber Expandable Cage

Ref. No	XL447.TW.D
Width	22, 26 & 33mm
Degree	3° & 8°





xl-spine innovations Cages

Diamond Cut

Ref. No XL410.D

Height 10, 12, 14, 16, 18 & 20mm

Length 100mm

Round Cut





Diamond Cut

Round Cut

Expandable Cage

Features & Benefits

Minimized insertion height

- Help reduce nerve root retraction
- Minimizes impaction force

Controlled continuous expansion

- Allows an optimized endplate-to-endplate fit
- May help reduce the risk of over-distraction once in the disc space

In situ distraction

• Allows height restoration and an optimized fit



Ref. No XL411.D.S Dia Ø 12, 14, 16 & 18 Size 20 X 25, 25 X 35, 45 X 55 & 55 X 75mm

Expandable Jack Cage

Features & Benefits

In situ distraction – Allows precise adjustment of the implant height

Large filling volume for bone/bone substitute material

Clear instrument set and easy handling



 Ref. No
 XL422.TD.S

 Dia Ø
 12, 14 & 16

 Size
 20 X 25, 25 X 32.5 & 30 X 42.5mm







33 Years of Dedication

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