



## **TRANSFORAMINAL LUMBAR INTERBODY FUSION CAGE**



- PEEK OPTIMA®
- User friendly instrumentation
- Titanium Markers for accurate positioning
- Variety of sizes to suit all your requirements
- Robotic Finger Type teeth minimize risk of implant movement

Unique Marketing through \_\_\_\_\_  
**innovation, design and**  
\_\_\_\_\_ manufacture.

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**THE TLIF IS DESIGNED TO BE USED UNILATERALLY, MINIMISING THE DESTRUCTION OF THE POSTERIOR ELEMENTS THEREBY MINIMISING THE GROSS DESTABILISATION OF THE SPINE. THIS RESULTS IN RELATIVE INCREASED FUSION STABILITY.**

### AVAILABLE SIZES:

Code	Width	Height			Length
		Anterior	Middle	Posterior	
	(mm)	(mm)	(mm)	(mm)	(mm)
OR050705-D30	8	5	7	5	30
OR060806-D30	8	6	8	6	30
OR070907-D30	8	7	9	7	30
OR081008-D30	8	8	10	8	30
OR091109-D30	8	9	11	9	30
OR101210-D30	8	10	12	10	30
OR111311-D30	8	11	13	11	30
OR121412-D30	8	12	14	12	30

## OPERATIVE TECHNIQUE

- ▶ Expose the nerve elements adequately and ensure that you have exposure to the superior and inferior pedicles.
- ▶ With minimum retraction of the dura, and working within the foramina, perform the necessary annulotomy, discectomy, curettage and distraction.
- ▶ Place the pedicle screws (or similar fusion construct) to maintain the distraction through these fusion construct devices.
- ▶ Once the end plates have been prepared, ensuring that they are parallel and smoothed, use the spacers to determine the appropriate size of the TLIF to use.
- ▶ Insert the appropriate TLIF and radiographically check the placement.
- ▶ The fusion construct can at this stage be compressed to provide lordosis and further stability to the TLIF. A surgeon can achieve between 5 and 10 degrees of lordosis per level and can be used to correct low grade listheses.

*\*Retraction can be achieved using laminal spreaders, interbody spreaders, twist spreaders or pedicle screws. (Note: if pedicle screws are to be used to retract, extreme caution must be exercised as there is a possibility that there may be pedicle fractures and loosening of pedicle screws.)*

## INDICATIONS

- Degenerative disc disease
- Low grade spondylolisthesis (Grade 1 or 2)
- When a 360 degree fusion is desired
- Fixation across the lumbosacral junction especially with a long fusion.
- Revision of a previous decompression and/or laminectomy where there is unilateral radiculopathy that could be associated with micro instability.
- For use in patients that are at high risk of pseudoarthrosis (Smoking history; previously failed fusion; osteoporosis; concurred medical illness; etc)

THE ORTHO SOL TLIF IS TO BE USED ONLY BY SURGEONS ADEQUATELY TRAINED IN SPINAL SURGERY