



POSTERIOR LUMBAR INTERBODY FUSION CAGE



- PEEK OPTIMA®
- User friendly instrumentation
- Titanium Markers for accurate positioning
- Variety of sizes to suit all your requirements
- Anatomical shape to adapt to the patient's anatomy
- Robotic Finger Type teeth minimize risk of implant movement

Unique Marketing through _____
innovation, design and
_____ manufacture.

Enquiries: +27 41 453 4605; info@ortho-sol.com

THE PLIF IS DESIGNED TO BE INSERTED BILATERALLY, VIA POSTERIOR APPROACH, IN THE INTERVERTEBRAL SPACE TO AID IN FUSION OF VERTEBRAE

PRODUCT CODE	PRODUCT DESCRIPTION	WIDTH	LENGTH	POSTERIOR HEIGHT	CENTRE HEIGHT	ANTERIOR HEIGHT
OS070907W8D22	PLIF IMPACT CAGE	8MM	22MM	7MM	9MM	7MM
OS081008W8D22	PLIF IMPACT CAGE	8MM	22MM	8MM	10MM	8MM
OS091109W8D22	PLIF IMPACT CAGE	8MM	22MM	9MM	11MM	9MM
OS101210W8D22	PLIF IMPACT CAGE	8MM	22MM	10MM	12MM	10MM
OS111311W8D22	PLIF IMPACT CAGE	8MM	22MM	11MM	13MM	11MM
OS121412W8D22	PLIF IMPACT CAGE	8MM	22MM	12MM	14MM	12MM
OS131513W8D22	PLIF IMPACT CAGE	8MM	22MM	13MM	15MM	13MM
OS141614W8D22	PLIF IMPACT CAGE	8MM	22MM	14MM	16MM	14MM
OS151715W8D22	PLIF IMPACT CAGE	8MM	22MM	15MM	17MM	15MM
OS070907W8D25	PLIF IMPACT CAGE	8MM	25MM	7MM	9MM	7MM
OS081008W8D25	PLIF IMPACT CAGE	8MM	25MM	8MM	10MM	8MM
OS091109W8D25	PLIF IMPACT CAGE	8MM	25MM	9MM	11MM	9MM
OS101207W8D25	PLIF IMPACT CAGE	8MM	25MM	10MM	12MM	10MM
OS111311W8D25	PLIF IMPACT CAGE	8MM	25MM	11MM	13MM	11MM
OS121412W8D25	PLIF IMPACT CAGE	8MM	25MM	12MM	14MM	12MM
OS131513W8D25	PLIF IMPACT CAGE	8MM	25MM	13MM	15MM	13MM
OS141614W8D25	PLIF IMPACT CAGE	8MM	25MM	14MM	16MM	14MM
OS151715W8D25	PLIF IMPACT CAGE	8MM	25MM	15MM	17MM	15MM

OPERATIVE TECHNIQUE

- ▶ Expose the nerve elements adequately and ensure that you have exposure to vertebral disc space by means of a laminectomy
- ▶ With minimum retraction of the dura, and working within the foramina, perform the necessary annulotomy, discectomy, curettage and distraction*.
- ▶ Pedicle screws (or similar fusion construct) can be used to maintain the distraction. Alternatively, the trial spacers can be used to distract the vertebrae
- ▶ Once the end plates have been prepared, ensuring that they are parallel and smoothed, use the spacers to determine the appropriate size of the PLIF to use.
- ▶ Insert the appropriate PLIF and radiographically check the placement.
- ▶ Additional fusion construct (e.g. Pedicle screw fixation) is recommended

*Distraction can be achieved using laminal spreaders, interbody spreaders, twist spreaders or pedicle screws. (Note: if pedicle screws are to be used to distract, 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)
- Moderate correction of coronal plane deformity

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