



# Avenue<sup>®</sup> L

LATERAL LUMBAR CAGE



a passion for innovation<sup>®</sup>

[www.ldr.com](http://www.ldr.com)

**France**  
Hôtel de Bureaux 1,  
4 rue Gustave Eiffel,  
10430 Rosières Près Troyes  
Mailing Address:  
Technopôle de l'Aube BP 2  
10902 Troyes Cedex 9, France  
+33 (0)3 25 82 32 63

**China**  
Beijing Global Trade Center #36  
North Third Ring Road East,  
Unit 06, Level 19, Building A,  
Dongcheng District,  
Beijing, China, 100013  
+86 10 58256655

**Brazil**  
Av. Pereira Barreto, 1395  
Torre sul - CJ 193 - Bairro Paraiso  
Santo André - São Paulo  
CEP: 09190-610  
+55 11 43327755

**United States**  
13785 Research Boulevard  
Suite 200  
Austin, TX 78750  
512.344.3333



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# Avenue<sup>®</sup> L

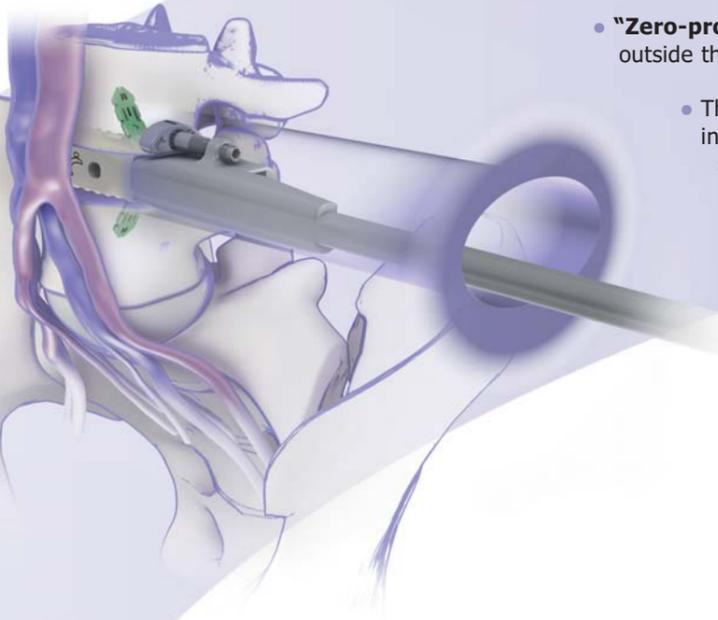
## LATERAL LUMBAR CAGE

Our new lumbar cage applies LDR's innovative VerteBRIDGE<sup>®</sup> plating technology to the lateral retro-peritoneal approach, offering direct access to the intervertebral space and secured fixation. Avenue L provides intraoperative ease of use with a straight-forward and secured surgical technique and significant clinical benefits.



### A safe and direct insertion

- The cage and its anchoring system are directly inserted along the axis of the disc allowing for a **minimal invasive lateral approach** to the spine, reducing vascular risks and respecting anatomic structures.
- The **bevelled shape** of the cage enables self-distraction of the intervertebral disc space facilitating insertion while respecting the vertebral endplates.
- The **cross-beam design** increases the rigidity of the cage structure and supports the graft during insertion into the intervertebral space.
- **Millimetric adjustment** of the cage-holder ensures optimal positioning of the cage prior to half anchoring plate insertion.
- **Self-guided anchoring system insertion:** 1 instrument, 2 steps for a simple, reliable, fast and reproducible insertion.



### Designed for patient safety

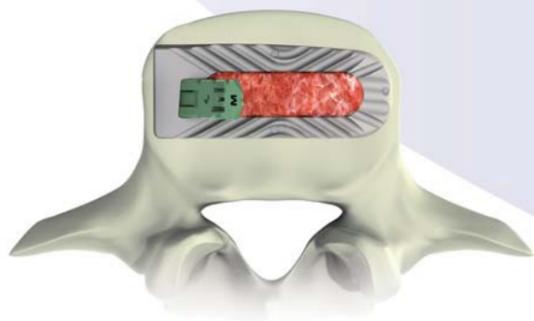
- **Innovative anchoring technology made of Titanium alloy (Ti6Al4V)** avoiding the use of lateral plates or screws.
- **"Zero-profile"** design with no hardware protruding outside the intervertebral disc space.
- The **curved self-locking anchoring plate** incorporating a central self-retaining clip, secures the anchoring system and the cage inside the intervertebral disc space.
- **Half anchoring plates are pre-assembled on a single-use anchoring plate holder** made of PEEK Classix<sup>®</sup> avoiding any direct manipulation and simplifying insertion.



- All implants are delivered in **sterile packaging** to ensure product quality and absolute traceability.

### Optimized stability and fusion

- The **self-retaining design** with chevron shaped teeth ensures an optimal primary stability.



- The cage design **maximizes the contact area** with the peripheral cortical bone of the endplates.
- The **wide graft chamber**, combined with **anterior vascularization holes**, optimizes the contact between the graft and the vertebral endplates enhancing the quality of the fusion.
- The Avenue L cage is manufactured from **PEEK Optima<sup>®</sup>**: a biocompatible material with a modulus of elasticity close to that of healthy bone. Its radiolucency enables postoperative assessment of fusion.

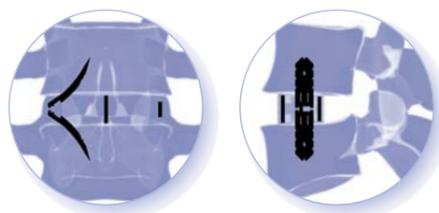
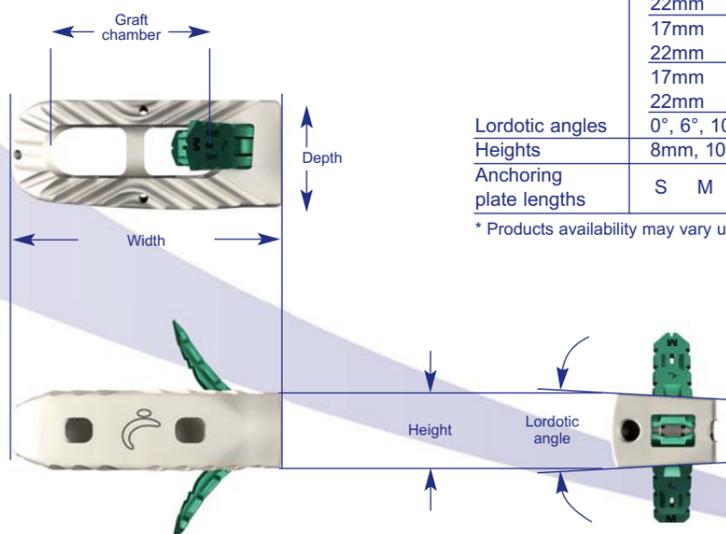
### Comprehensive selection to match patient anatomy

- The **wide range** of cage dimensions (footprint, height, lordosis) and half anchoring plate lengths (S, M, L) enables to adapt the implant to all patient anatomies and accommodates multi-level surgeries or hybrid constructs.

#### Range of implants and sizes \*

Footprints (Width x Depth)	17mm	x 35mm
	22mm	x 35mm
	17mm	x 40mm
	22mm	x 40mm
	17mm	x 45mm
	22mm	x 45mm
Lordotic angles	17mm	x 50mm
	22mm	x 50mm
	17mm	x 55mm
	22mm	x 55mm
Heights	17mm	x 60mm
	22mm	x 60mm
Anchoring plate lengths	S M L	

\* Products availability may vary upon markets.



- **Titanium markers**  
Intraoperative and postoperative control of implant position and following of the fusion.