



Material Matters.

In the race to achieve interbody fusion, material matters. And, unlike spacers made of PEEK or titanium, Silicon Nitride (Si_3N_4) interbody fusion devices feature a demonstrated ability to achieve superior new bone growth and osteointegration, along with proven anti-bacterial properties and enhanced imaging attributes. All to help attain and confirm fusion faster than ever before.

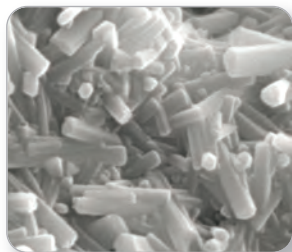
Silicon Nitride Interbody Fusion Devices have been shown to:

- Demonstrate superior new bone formation.
- Provide an optimal environment for bone on-growth.
- Inhibit bacterial biofilm formation.
- Exhibit anti-infective properties even in the absence of antibiotics.



On the surface...

Only Valeo® Interbody Fusion Devices are made of Silicon Nitride, a patented biomaterial with a unique combination of surface characteristics – a hydrophilic, micron-scale surface topography

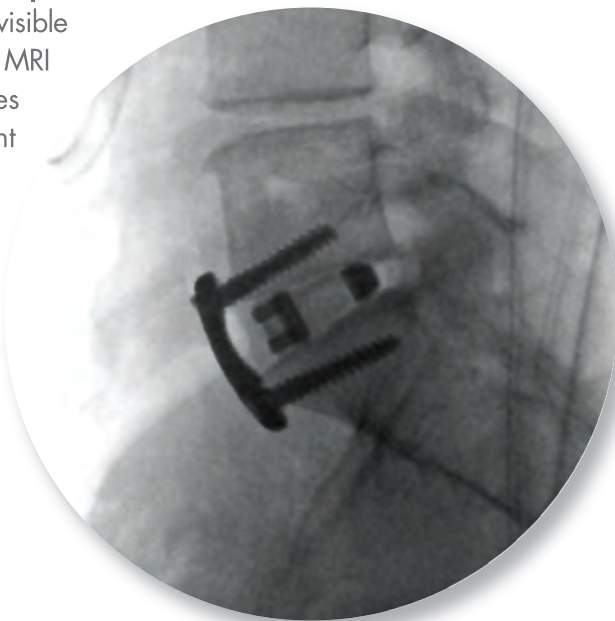


Material Surface – 5000x Mag.

that attracts proteins and stimulates osteoprogenitors to differentiate into osteoblasts, thereby helping to promote bone formation and osteointegration.

Confidence you can see.

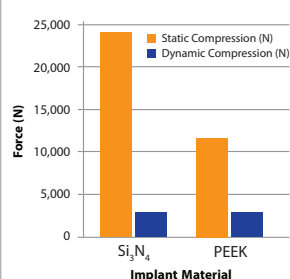
What's more, Silicon Nitride implants are semi-radiolucent with clearly visible boundaries, and produce no MRI or CT artifacts, which enables an exact view of the implant for precise intraoperative placement and postoperative fusion assessment.



Rigorously tested to ensure reliable performance.

Formulated for lightweight strength and stability, the dense, fine-grained microstructure of Silicon Nitride is highly fracture-resistant. In fact, each Valeo spinal implant is proof-tested to a minimum force of 12 kN (2,698 lbs), which far exceeds what is found in the human body; and prior to packaging, each implant is individually inspected and tested to ensure the highest quality.

Dynamic and Static Compression Testing



Silicon Nitride IBF Devices & PEEK Spacers | Degenerative Fixation & Deformity Correction | Orthobiologics | Facet Fixation Solutions | Minimally Invasive Solutions



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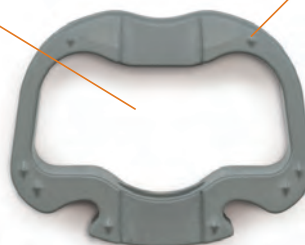
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valeo® AL *Anterior Lumbar Interbody Fusion Device*

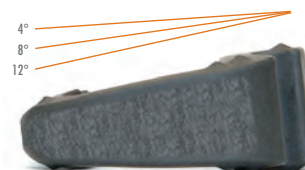


■ Central cavity maximized for autograft packing to create fusion through the implant

■ Knurled inferior/superior surfaces provide immediate stability and resist migration



■ Prominent dovetail feature enables precise insertion control



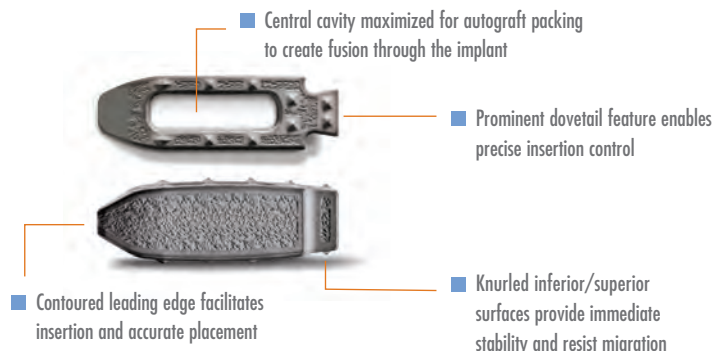
Designed for anterior lumbar interbody procedure to restore disc height and lordosis.

- Footprints: 30x24mm, 36x28mm, and 39x30mm
- Lordosis: 4, 8, and 12°
- Heights: 9–17mm in 1mm increments

Valeo® AL Interbody Fusion Devices

Height	30mm x 24mm		36mm x 28mm			39mm x 30mm		
	4° Lordotic	8° Lordotic	4° Lordotic	8° Lordotic	12° Lordotic	4° Lordotic	8° Lordotic	12° Lordotic
9mm	11.015.3409	11.015.3809	N/A	N/A	N/A	N/A	N/A	N/A
10mm	11.015.3410	11.015.3810	11.015.2410	11.015.2810	11.015.2210	11.015.1410	11.015.1810	11.015.1210
11mm	11.015.3411	11.015.3811	11.015.2411	11.015.2811	11.015.2211	11.015.1411	11.015.1811	11.015.1211
12mm	11.015.3412	11.015.3812	11.015.2412	11.015.2812	11.015.2212	11.015.1412	11.015.1812	11.015.1212
13mm	11.015.3413	11.015.3813	11.015.2413	11.015.2813	11.015.2213	11.015.1413	11.015.1813	11.015.1213
14mm	11.015.3414	11.015.3814	11.015.2414	11.015.2814	11.015.2214	11.015.1414	11.015.1814	11.015.1214
15mm	11.015.3415	11.015.3815	11.015.2415	11.015.2815	11.015.2215	11.015.1415	11.015.1815	11.015.1215
17mm	N/A	N/A	11.015.2417	11.015.2817	11.015.2217	11.015.1417	11.015.1817	11.015.1217

valeo® OL *Oblique Lumbar Interbody Fusion Device*



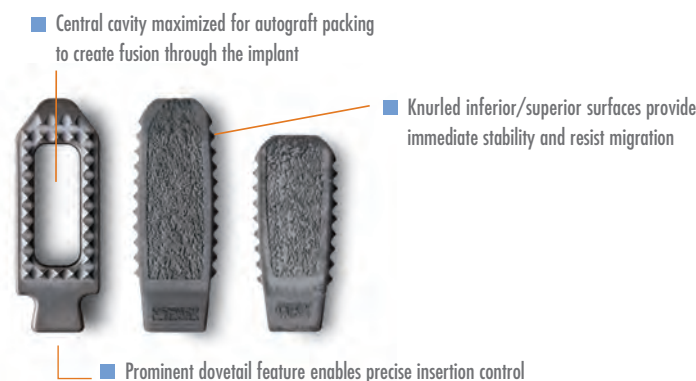
Designed for the posterior lumbar interbody procedure with a longer length ideal for a single implant oblique approach to restore disc height and lordosis..

- Footprint: 9x29mm
- Lordosis: 0° parallel
- Heights: 7–15mm height range in 1mm increments.

Valeo® OL Interbody Fusion Devices

	9mm x 29mm
Height	0° Lordotic
7mm	11.013.5007
8mm	11.013.5008
9mm	11.013.5009
10mm	11.013.5010
11mm	11.013.5011
12mm	11.013.5012
13mm	11.013.5013°
14mm	11.013.5014
15mm	11.013.5015

valeo® PL *Posterior Lumbar Interbody Fusion Device*



Designed for the posterior lumbar interbody procedure to restore disc height and lordosis.

- Footprints: 9x21mm and 9x25mm
- Lordosis: 0° parallel and 6°
- Heights: 7–15mm in 1mm increments

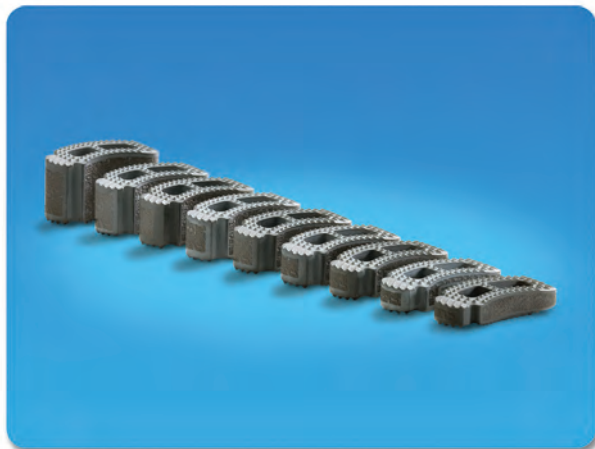
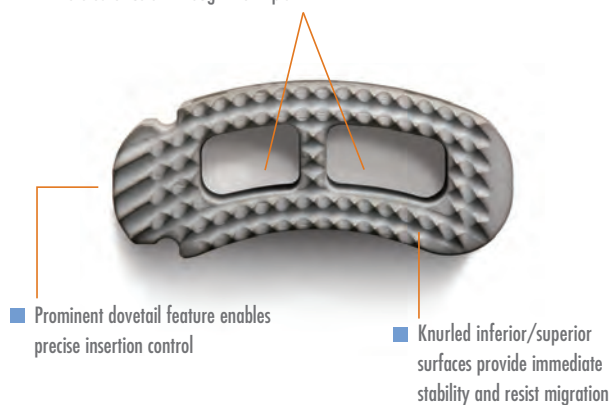
Valeo® PL Interbody Fusion Devices

	9mm x 21mm		9mm x 25mm	
Height	0° Parallel	6° Lordotic	0° Parallel	6° Lordotic
7mm	11.013.1007	11.013.1607	11.013.3007	N/A
8mm	11.013.1008	11.013.1608	11.013.3008	11.013.3608
9mm	11.013.1009	11.013.1609	11.013.3009	11.013.3609
10mm	11.013.1010	11.013.1610	11.013.3010	11.013.3610
11mm	11.013.1011	11.013.1611	11.013.3011	11.013.3611
12mm	11.013.1012	11.013.1612	11.013.3012	11.013.3612
13mm	11.013.1013	11.013.1613	11.013.3013	11.013.3613
14mm	11.013.1014	11.013.1614	11.013.3014	11.013.3614
15mm	11.013.1015	11.013.1615	11.013.3015	11.013.3615

valeo® TL *Transforaminal Lumbar Interbody Fusion Device*



- Central cavities maximized for autograft packing to create fusion through the implant



Valeo® TL Interbody Fusion Devices

Height	30mm x 11mm
	6° Lordotic
7mm	11.011.1007
8mm	11.011.1008
9mm	11.011.1009
10mm	11.011.1010
11mm	11.011.1011
12mm	11.011.1012
13mm	11.011.1013
14mm	11.011.1014
15mm	11.011.1015
17mm	11.011.1017

Designed for the transforaminal lumbar interbody procedure to restore disc height and lordosis.

- Footprint: 30x11mm
- Lordosis: 6°
- Heights: 7–17mm in 1mm increments

valeo® C Cervical Interbody Fusion Device



■ Knurled inferior/superior surfaces provide immediate stability and resist migration

■ Central cavity maximized for autograft packing to create fusion through the implant



■ Prominent dovetail feature enables precise insertion control



Valeo® C Cervical Interbody Fusion Devices

Height	16mm x 12mm		17mm x 14mm	
	0° Parallel	6° Lordotic	0° Parallel	6° Lordotic
5mm	11.009.1005	11.009.1605	11.009.2005	11.009.2605
6mm	11.009.1006	11.009.1606	11.009.2006	11.009.2606
7mm	11.009.1007	11.009.1607	11.009.2007	11.009.2607
8mm	11.009.1008	11.009.1608	11.009.2008	11.009.2608
9mm	11.009.1009	11.009.1609	11.009.2009	11.009.2609
10mm	11.009.1010	11.009.1610	11.009.2010	11.009.2610
11mm	11.009.1011	11.009.1611	11.009.2011	11.009.2611
12mm	11.009.1012	11.009.1612	11.009.2012	11.009.2612

Available in multiple footprints, as well as lordotic and parallel angles, to restore cervical alignment in a wide variety of patient anatomies.

- Footprints: 16x12mm and 17x14mm
- Lordosis: 0° parallel and 6°
- Height: 5–12mm in 1mm increments



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