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# AlphaVent Knotless

### Self-punching, knotless anchor platform

Streamlined design



## Coupled, self-punching anchor system

Alleviates need for pilot hole creation\*

Coupled eyelet and anchor facilitate streamlined tensioning

\*Pilot hole creation required for hard bone indications.

**Dual-thread Technology** 

Designed to support anchor performance through cortical thread engagement<sup>1</sup>

 $\begin{array}{l} Provides \ tactile \\ feedback \ during \ cortical \\ thread \ engagement^1 \end{array}$ 



Complete venting and cannulation

Allows exchange of blood and other autologous cells at the implantation site



5.5mm

4.75mm

6.5mm

#### Your repair. Your way.

Accommodates a variety of suture configurations

Anchor length enables use in a single- and double-row repair

### Features



#### Available in two materials:



 $\begin{array}{l} \textbf{Biocomposite: } 85\% \ Poly(L-Lactide)(PLLA) \\ 15\% \ Beta-tricalcium \ phosphate \ (\beta\text{-TCP}) \end{array}$ 



**PEEK:** Poly-ether-ether ketone

Both versions (PEEK and biocomposite) have the same PEEK eyelet.

#### Osteoconductive material

Leverages the osteoconductive properties of  $\beta\text{-TCP},$  paired with the strength of PLLA<sup>1,2,3</sup> and designed to promote bone healing and bony ingrowth at the implant site. ^2,4,5,6

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### Hard bone instrumentation





AlphaVent Knotless offerings

Implants		Instrumentation	
3911856547	AlphaVent Knotless SP, 4.75mm Biocomposite anchor	3910947200	3.9mm Omega and 4.75mm AlphaVent awl
3911956547	AlphaVent Knotless SP, 4.75mm PEEK anchor	3910947201	4.75mm AlphaVent and Omega awl
3911856555	AlphaVent Knotless SP, 5.5mm Biocomposite anchor	3910947202	4.75mm AlphaVent and Omega drill
3911956555	AlphaVent Knotless SP, 5.5mm PEEK anchor	3910947207	4.75mm AlphaVent tap
3911856565	AlphaVent Knotless SP, 6.5mm Biocomposite anchor	3910947208	4.75mm AlphaVent punch-tap
3911956565	AlphaVent Knotless SP, 6.5mm PEEK anchor	3910947203	5.5mm AlphaVent and 4.75mm hard bone Omega drill
		3910947209	5.5mm AlphaVent tap
		3910947212	Drill guide

#### **References:**

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- 5. Harri Pihlajamäki, Ole Böstman, Olli Tynninen, Outi Laitinen. Long-term tissue response to bioabsorbable poly-l-lactide and metallic screws: An experimental study, Bone. Volume 39, Issue 4. 2006. Pages 932-937. ISSN 8756-3282. https://doi.org/10.1016/j.bone.2006.04.009.
- 6. Visscher LE, Jeffery C, Gilmour T, Anderson L, Couzens G. The history of suture anchors in orthopaedic surgery. Clin Biomech (Bristol, Avon). 2019;61:70-78

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