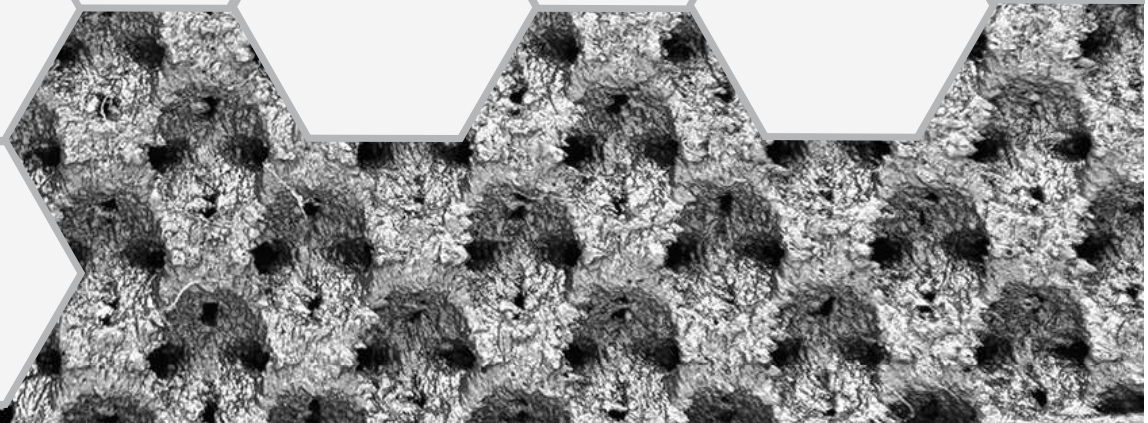
NanoHive®
Surface Technology

HD LifeSciences



ACIF

HIVE™-C ACIF

Footprint: 15 x 12mm Lordosis: 6°

HIVE™-C WIDE

Footprint: 18 x 14mm Lordosis: 6°

ALIF

HIVE™-A ALIF

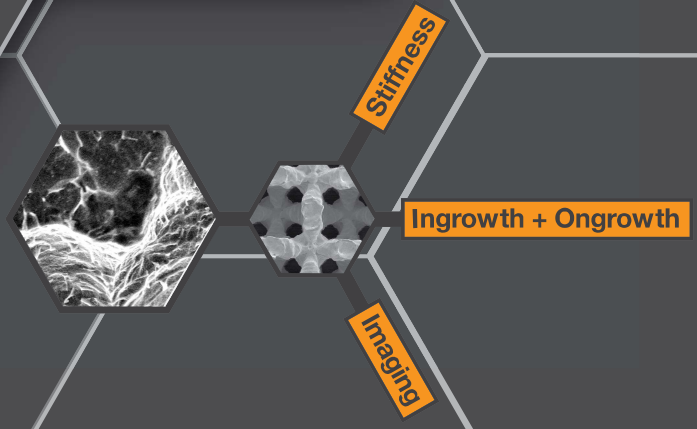
Footprint: 32 x 26mm Lordosis: 8°,15°

HIVE™-A WIDE

Footprint: 38 x 26mm Lordosis: 8°,15°

HIVE™-A Hyperlordotic

Footprint: 38 x 26mm Lordosis: 22°



TLIF

HIVE™-T LONG

Footprint: 10 x 30mm Lordosis: 10°

HIVE™-T TLIF

Footprint: 9 x 26mm Lordosis: 0°

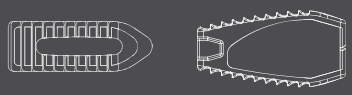
HIVE™-T WIDE

Footprint: 11 x 28mm Lordosis: 0°

HIVE™-T LORDOTIC

Footprint: 9 x 26mm Lordosis: 8°

HIVE™-T HYPERLORDOTIC



Footprint: 9 x 26mm Lordosis: 18°

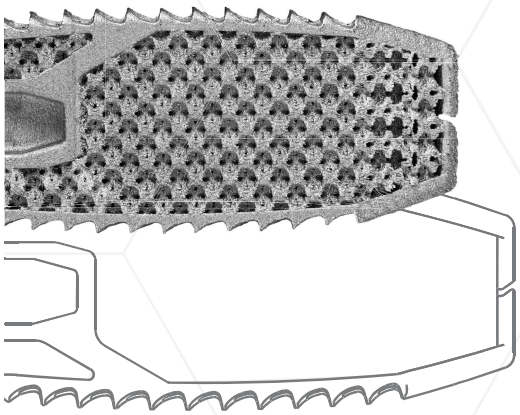
HIVE™-T CURVED

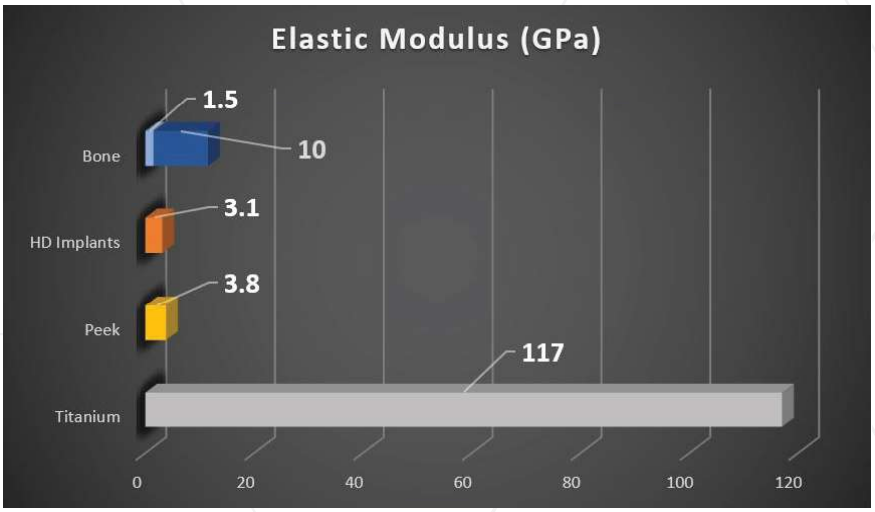
Footprint: 11 x 32mm Lordosis: 8°

FOUR PILLARS

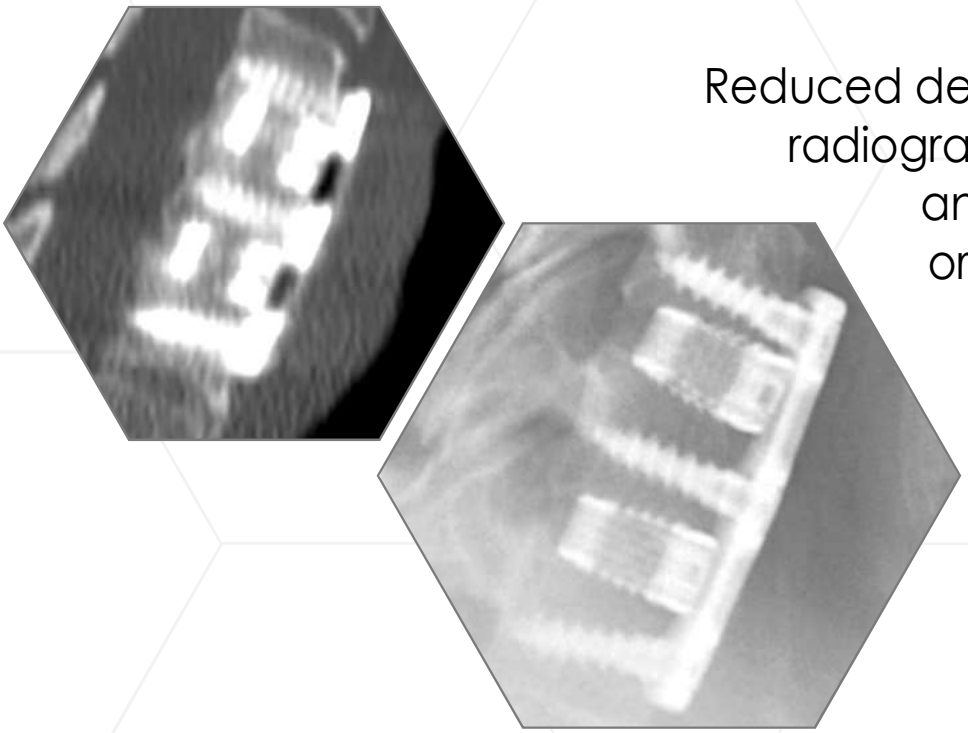
REDUCED STIFFNESS

Hive™ interbodies using Soft Titanium® technology have an elastic modulus similar to PEEK.



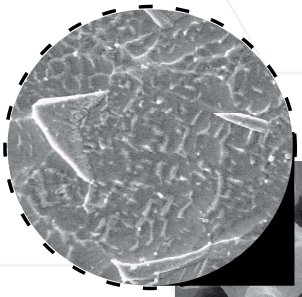


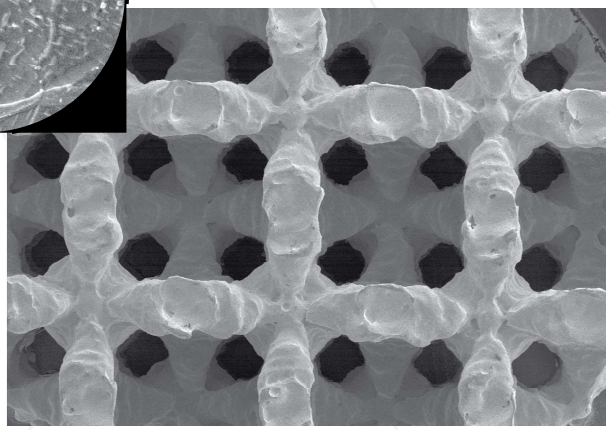
IMPROVED RADIOGRAPHIC IMAGING



Reduced density titanium structure is radiographically lucent on x-rays and shows minimal scatter or artifact on CT and MRI.

ADVANCED SURFACE TECHNOLOGY





A surface treatment is applied throughout the implant to optimize the environment for bony on-growth.

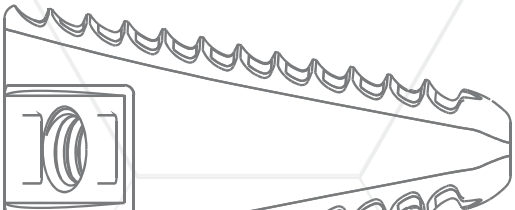
1 Olivares-Navarrete, R., et al., Rough titanium alloys regulate osteoblast production of angiogenic factors. Spine J, 2013. 13(11): p. 1563-70.

Surface textured implants have been demonstrated to enhance bone formations by increasing the osteogenic response and recruitment of mesechymal stem cells.[1]

BONY INGROWTH

Approximately 70% porous by volume with 300-900 µm pores to retain flowable DBM or otherbone growth enhancement products.

Open cell channels from endplate to endplate maximize bony in-growth potential.



HD LifeSciences

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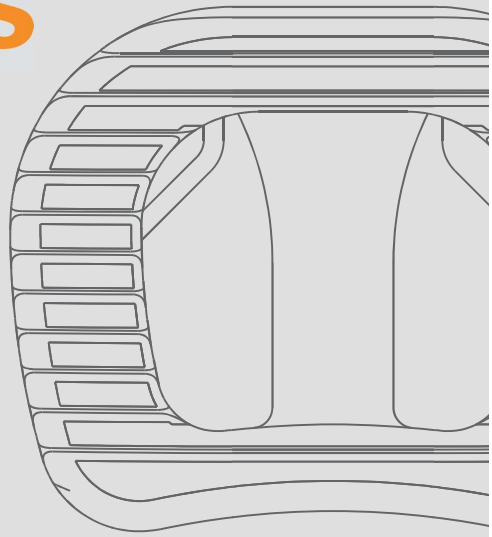

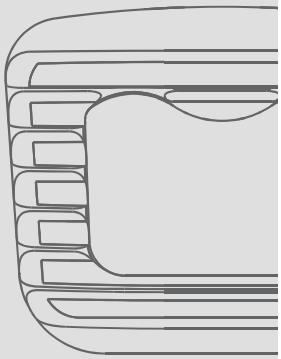

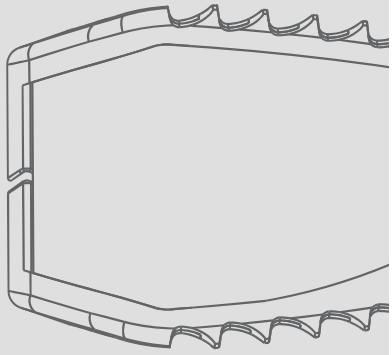

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