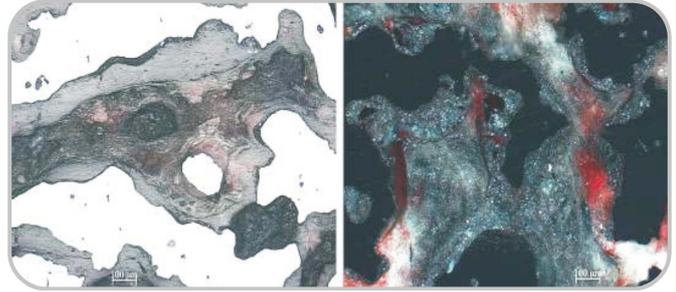


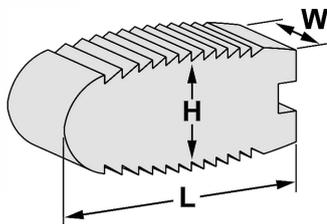
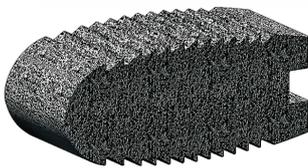
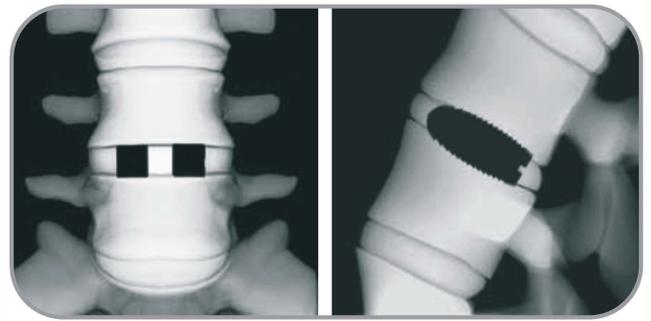
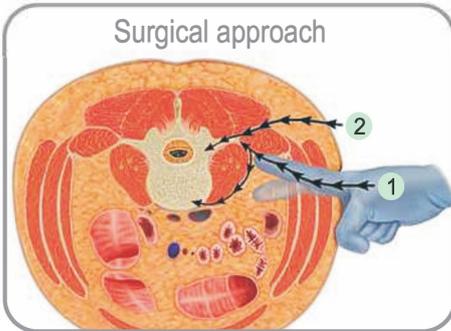
The cages are designed to provide immediate stabilization and earlier fusion via a transforaminal approach using simple and routine surgical procedure. These are made of porous TiNi material showing osteoconductivity, high corrosion resistance and bio-inertness in the body. The distinctive feature of porous TiNi is conditioned by the lowest elastic modulus similar to that shown by the cancellous bone, Whereas rheological resemblance in term of stress-strain allows the cage to be congruentially deformed without rupture and delamination, passing through  $10^8$  cycles. The rough, hydrophilic surface facilitates cell adhesion, growth, a proliferation via a system of interconnected macro/microvoids and grooves. Rapid bone ingrowth is observed within two weeks, whereas substantial bone through-growth is noted within six weeks. There was no evidence of fibrous connective or fibrocartilaginous tissue formation. Porous TiNi cages sustain superior biomechanical stability and bone-to-graft contact vs. PEEK cages. The implants are recommended to be combined with SPINELant™ system.

## Porous TiNi TLIF cages



Cortex cage-bone interface

Medullary cage-bone interface

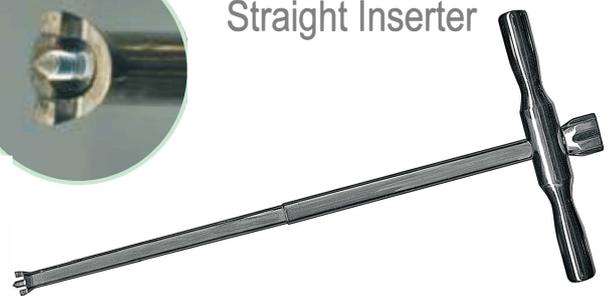


## Porous TiNi TLIF cage system instruments

Model name	H-7.1.1	H-7.1.2	H-7.1.3	H-7.2.1	H-7.2.2	H-7.2.3
Length(L, mm)	22	23	24	25	26	26
Height(H, mm)	8	9	10	11	12	14
Width(W, mm)	9	9	9	10	11	11



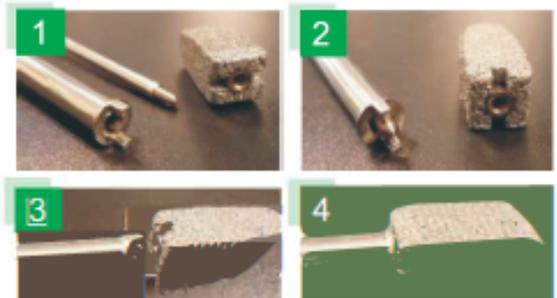
Straight Insertor



Trial

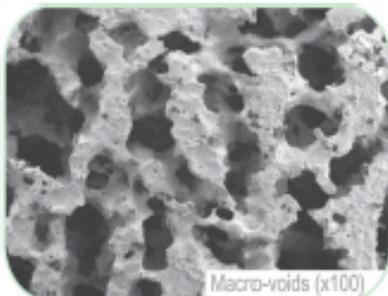


Nerve Retractor

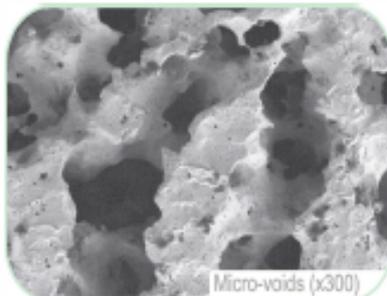




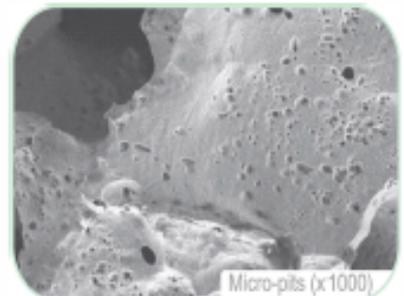
Shape/size can be easily customized



Macro-voids (x100)

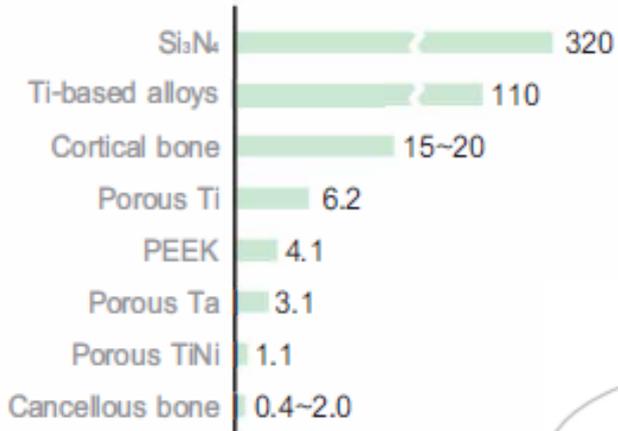


Micro-voids (x300)



Micro-pits (x1000)

## Modulus of Elasticity (GPa)



## Rival TLIF Solutions



MEDYSSEY



Zimmer Spine

