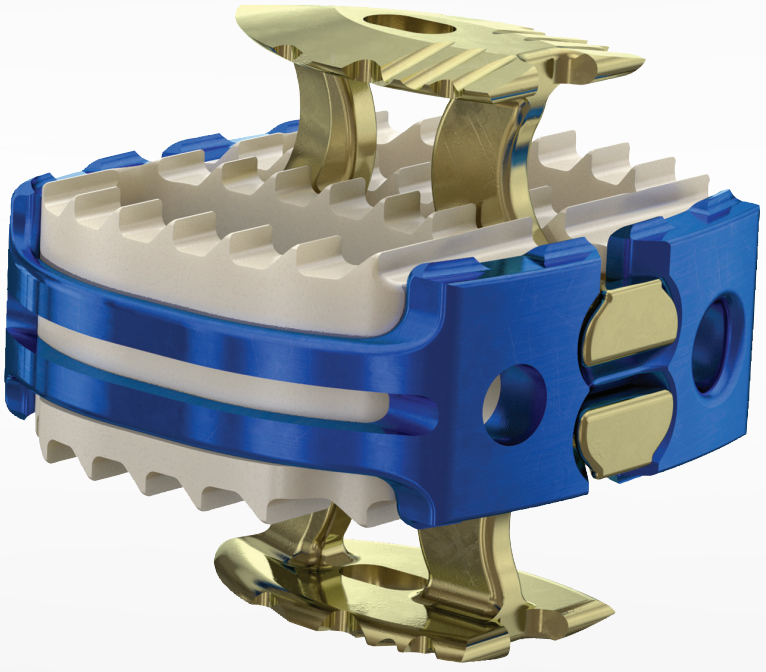
stryker

Aero®-C

StraightForward insertion
Remarkable compression[1]



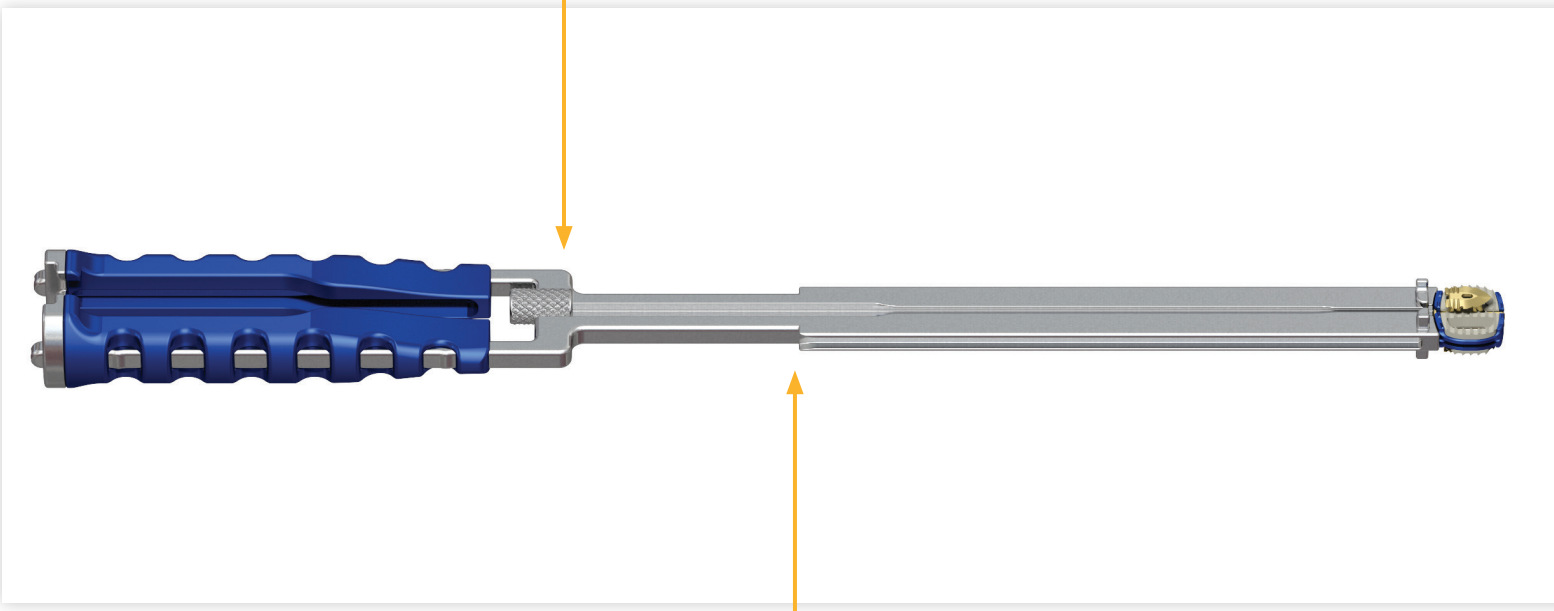
Featuring
Aerofoil™ Compression Technology

StraightForward insertion

Introducing StraightForward instruments

Make insertion StraightForward with Aero-C's precision-guided instruments, which deliver anchors within a constrained system

- Rail-based instrumentation for accurate implant and anchor placement
- Fully guided system helps achieve reproducibility



Less invasive

Streamline your approach with in-line insertion

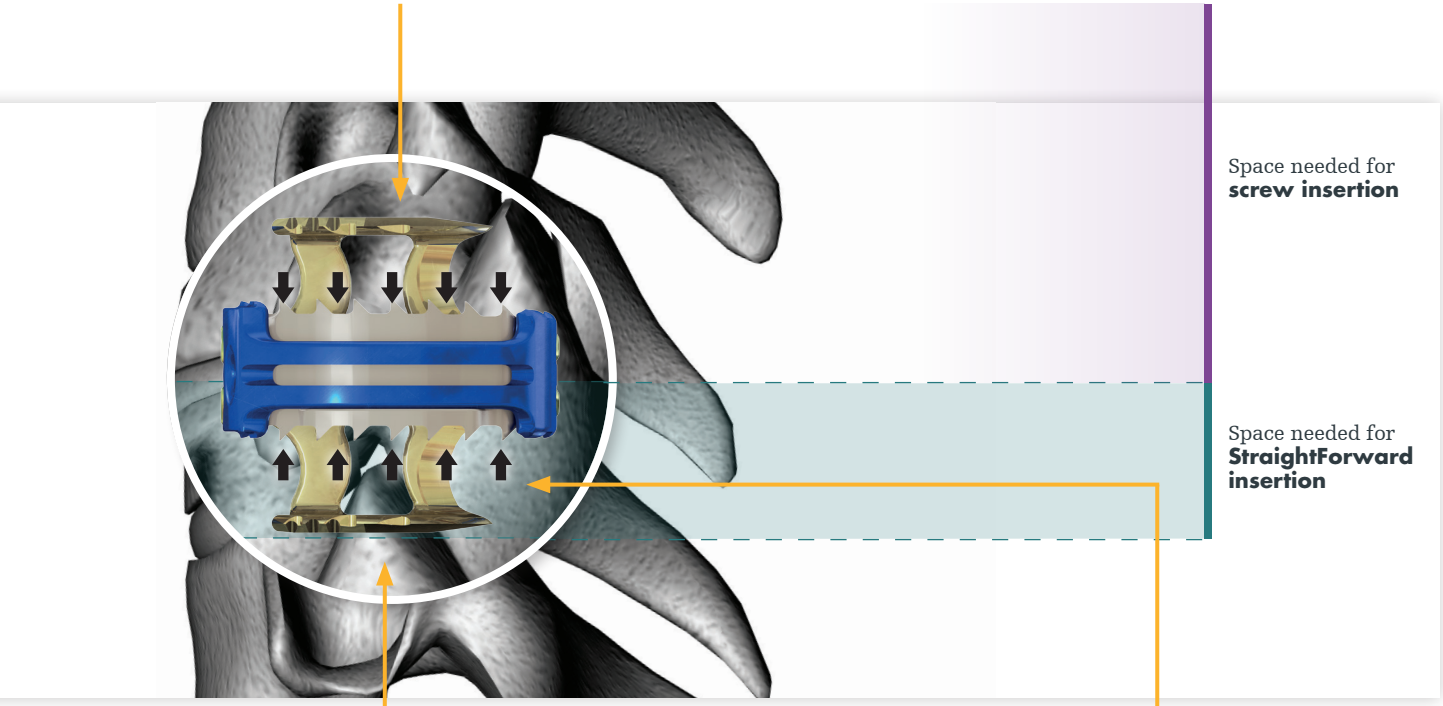
- Minimize tissue disruption with a less invasive approach
- In-line insertion reduces the potential for instrument impingement on the patient's chin or chest

Remarkable compression[1]

Introducing Aerofoil™ Compression Technology

Secure Aero-C to the vertebral bodies with Aerofoil™ Compression Technology

- Shaped like inverted plane wings, Aero-C's unique anchors are designed to pull the vertebral bodies towards the implant as it is inserted, creating compressive forces at the implant-to-endplate interface
- In accordance with Wolff's law, compression creates a healing environment known to stimulate bone growth[2]
- Integrated one-step locking mechanism is designed to lock anchors to the implant



Compression stabilization

Generate over 200 N of force[1] with Aerofoil™ Compression Technology

- Only in-line ACDF (anterior cervical disectomy and fusion) device to offer compression across the disc space
- Compressive force helps maximize segmental stability

Uniform loading

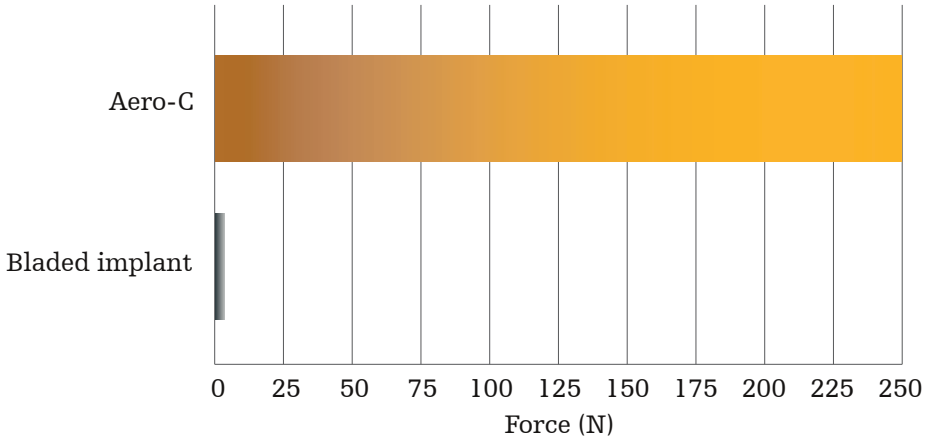
Designed to distribute compression uniformly across the full implant-to-endplate interface

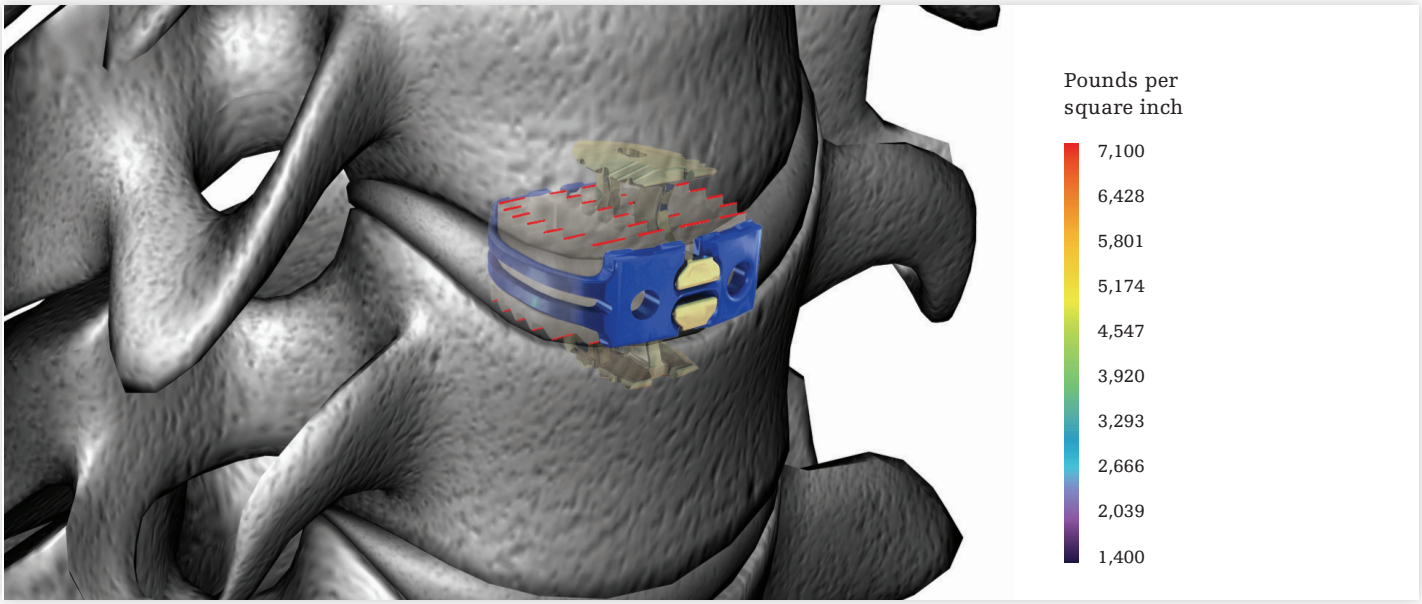
- Large anchors designed to engage the anterior and posterior aspects of the implant

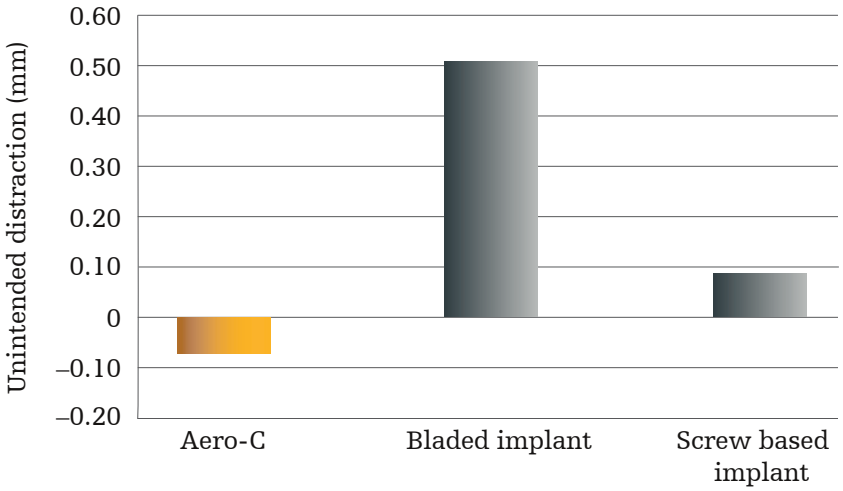
Aero-C
technical data

Pressure film testing[1]

Aero-C is the only in-line ACDF device to offer compression across the interbody.[1]

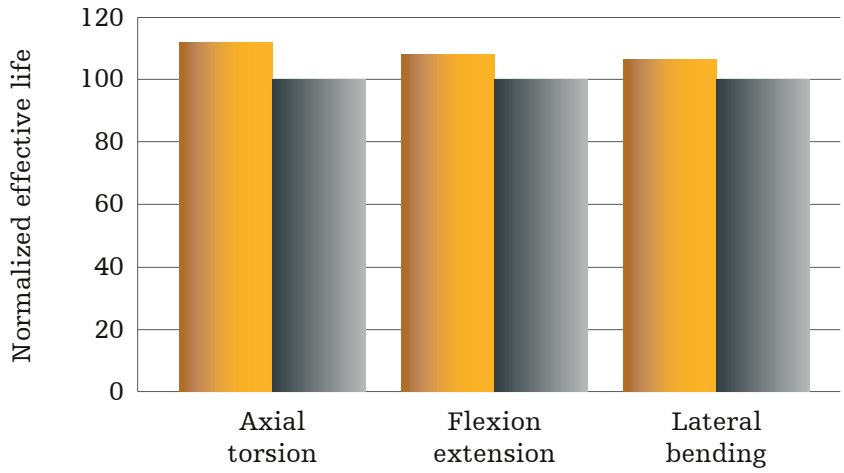






Unintended distraction testing[3]

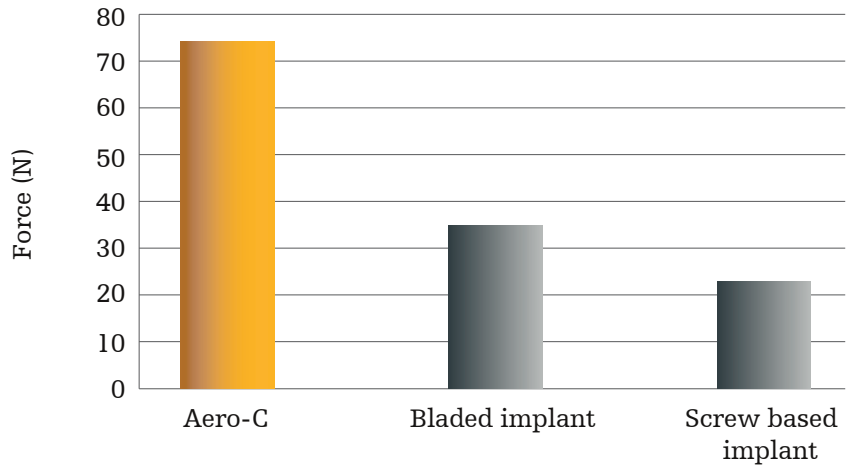
Aero-C's anchors are designed to draw the vertebral bodies towards the implant to create compression.[3]



Effective life is defined as the number of cycles at which a 10% average increase over the baseline ROM was observed.

Effective life testing[4]

The unique anchor design of Aero-C demonstrated better resistance to physiological motion than a commercially available screw based implant.[4]



Load dispersion testing[5]

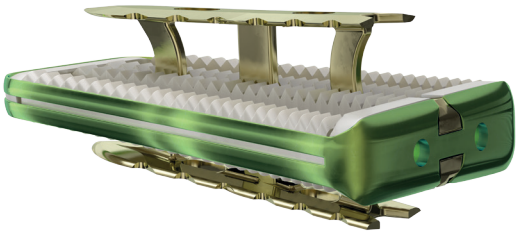
Aero-C was shown to be more than twice as strong as a commercially available screw based and bladed implant when testing mechanical pull-out strength in a simulated vertebral body.[5]

The Aero family

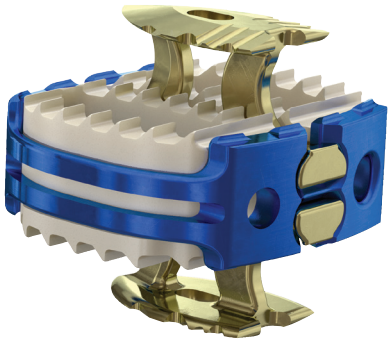
StraightForward insertion
Remarkable compression[1]

Aerofoil™ Compression Technology for your ALIF, LLIF and ACDF procedures.

Aero-AL



Aero-LL



Aero-C

Spine Division

For more information please visit www.stryker.com/aero/

References

1. PROJ0000050417 Aero-C Anchor Induced Compression Testing Design Iteration Memo
2. Frost HM. A 2003 Update of Bone Physiology and Wolff's Law for Clinicians. Angle Orthod 2004;74(1):3–15
3. TLAER-AN-3 SYK Aero-C Pressure Test
4. DHF0000042531
5. TLAER-AN-3 SYK Aero-C Grip Test

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