ARTiC-L™ 3D Ti Spinal System
with TiONIC™ Technology

INFORMATION

Label Height	Lordosis	Anterior Height (Approx)	Posterior Height (Approx)	Available Lengths	Width
8	5	8	7	25, 30, 35	12
9	5	9	8	25, 30, 35	12
10	5	10	9	25, 30, 35	12
11	5	11	10	25, 30, 35	12
12	5	12	11	25, 30, 35	12
13	5	13	12	25, 30, 35	12
8	10	8	6	25, 30, 35	12
9	10	9	7	25, 30, 35	12
10	10	10	8	25, 30, 35	12
11	10	11	9	25, 30, 35	12
12	10	12	10	25, 30, 35	12
13	10	13	11	25, 30, 35	12
10	20	10	6	25, 30, 35	12
11	20	11	7	25, 30, 35	12
12	20	12	8	25, 30, 35	12
13	20	13	9	25, 30, 35	12

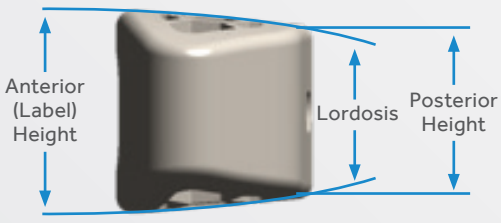
Available Sizes

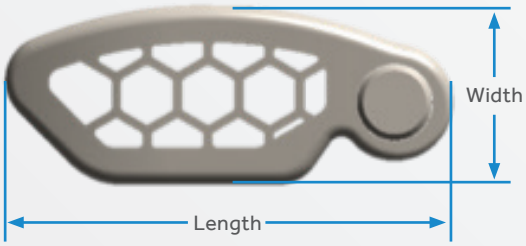
Height: 8 – 13 mm
Length: 25, 30, 35 mm
Lordosis: 5°, 10°, 20°
Width: 12 mm

Notes

Catalog Height = Anterior Height

Posterior Height = (Anterior Height – Approx. 1 mm for every 5° lordosis)





Medtronic
Further, Together

MICHELSON TECHNOLOGY AT WORK

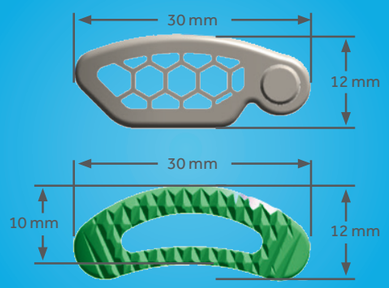
GEOMETRY
COMPARISON

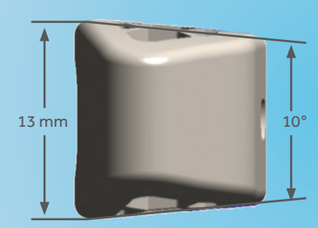
ARTiC-L™ 3D Ti
56301310

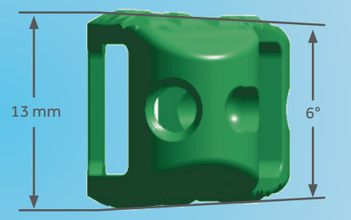
Height: 13 mm
Length: 30 mm
Lordosis: 10°

Crescent Ti
6661330

Height: 13 mm
Length: 30 mm
Lordosis: 6°



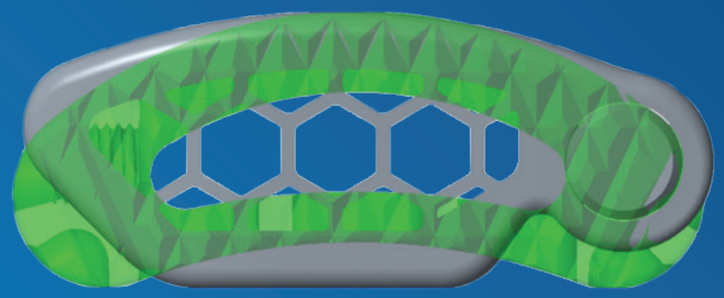




Notes

Height, length, lordosis measurement scheme same as Crescent Ti.

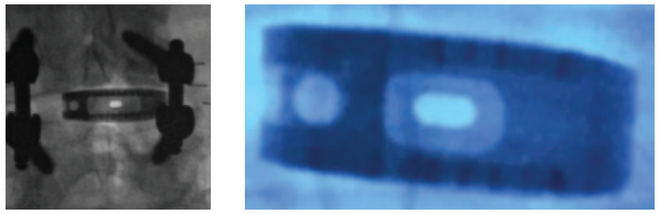
The largest overall width of the “Regular Width” (Label) Crescent Ti implants is comparable to the overall width of the 12 mm ARTiC-L™. See image to the right.



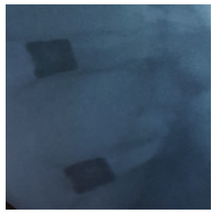
IMAGING

The lateral view can be used for visualizing progression of implant in the disc space. The AP view can be used to visualize articulation of the cage by examining the small posterior window moving into center of the large anterior window.

AP View



Lateral View



GRAFT VOLUME
COMPARISON

ARTiC-L™ Part Number	Comparable Crescent Ti Part Number*	ARTiC-L™ Bone Graft Volume (cc)	Crescent Ti Bone Graft Volume (cc)	Volume Difference of ARTiC-L™ vs. Crescent Ti Regular (+)
56250805	6660825	0.53433	0.37	0.16
56250905	6660925	0.62777	0.42	0.21
56251005	6661025	0.72189	0.46	0.26
56251105	6661125	0.81731	0.50	0.32
56251205	6661225	0.9064	0.55	0.36
56251305	6661325	0.99962	0.59	0.41
56250810	N/A	0.49493	N/A	N/A
56250910	N/A	0.58849	N/A	N/A
56251010	N/A	0.68251	N/A	N/A
56251110	N/A	0.77803	N/A	N/A
56251210	N/A	0.86704	N/A	N/A
56251310	N/A	0.96026	N/A	N/A
56251020	N/A	0.6023	N/A	N/A
56251120	N/A	0.6976	N/A	N/A
56251220	N/A	0.7913	N/A	N/A
56251320	N/A	0.87988	N/A	N/A
56300805	6660830	0.75106	0.57	0.18
56300905	6660930	0.88673	0.68	0.21
56301005	6661030	1.02104	0.74	0.28
56301105	6661130	1.15785	0.89	0.27
56301205	6661230	1.28568	0.96	0.33
56301305	6661330	1.4209	1.11	0.31
56300810	N/A	0.6947	N/A	N/A
56300910	N/A	0.83038	N/A	N/A

ARTiC-L™ Part Number	Comparable Crescent Ti Part Number*	ARTiC-L™ Bone Graft Volume (cc)	Crescent Ti Bone Graft Volume (cc)	Volume Difference of ARTiC-L™ vs. Crescent Ti Regular (+)
56301010	N/A	0.96469	N/A	N/A
56301110	N/A	1.1014	N/A	N/A
56301210	N/A	1.20232	N/A	N/A
56301310	N/A	1.36444	N/A	N/A
56301020	N/A	0.84957	N/A	N/A
56301120	N/A	0.98636	N/A	N/A
56301220	N/A	1.11418	N/A	N/A
56301320	N/A	1.24929	N/A	N/A
56350805	6660836	0.9744	0.76	0.2144
56350905	6660936	1.15494	0.90	0.2549
56351005	6661036	1.3354	0.99	0.3454
56351105	6661136	1.51705	1.19	0.3271
56351205	6661236	1.69011	1.28	0.4101
56351305	6661336	1.87017	1.48	0.3902
56350810	N/A	0.90087	N/A	N/A
56350910	N/A	1.08149	N/A	N/A
56351010	N/A	1.26184	N/A	N/A
56351110	N/A	1.44349	N/A	N/A
56351210	N/A	1.61655	N/A	N/A
56351310	N/A	1.79661	N/A	N/A
56351020	N/A	1.11857	N/A	N/A
56351120	N/A	1.2991	N/A	N/A
56351220	N/A	1.47286	N/A	N/A
56351320	N/A	1.65471	N/A	N/A

*Comparable Size for Height & Length, “Regular” Label Width Utilized for Comparison, All Crescent Ti Implants Are 6° Lordosis and will be compared against only 5° ARTiC-L™ implants.

INDICATIONS

The ARTiC-L™ 3D Ti Spinal System with TiONIC™ technology is indicated for use as an intervertebral body fusion device in skeletally mature patients with degenerative disc disease (DDD - defined by discogenic back pain with degeneration of the disc confirmed by patient history and radiographic studies) at one or two contiguous levels of the lumbar spine (L2-S1). These patients should be skeletally mature and have undergone 6 months of non-operative treatment prior to surgery. These implants are used to facilitate fusion in the lumbar spine using autogenous bone and/or allogenic bone graft comprised of cancellous and/or corticocancellous bone graft. When used as an interbody fusion device, these implants are intended for use with supplemental internal fixation systems.

The CRESCENT® Spinal System Titanium is indicated for interbody fusion with autogenous bone graft in patients with degenerative disc disease (DDD) at one or two contiguous levels from L2 to S1. These DDD patients may also have up to Grade 1 spondylolisthesis or retrolisthesis at the involved levels. DDD is defined as discogenic back pain with degeneration of the disc confirmed by history and radiographic studies. These patients should be skeletally mature and have had six months of non-operative treatment. These implants are to be used with autogenous bone graft. These devices are intended to be used with Medtronic supplemental fixation instrumentation which has been cleared by the FDA for use in the lumbar spine.

See the device manual for detailed information regarding the instructions for use, indications, contraindications, warnings, precautions and potential adverse events. For further information, contact your local Medtronic representative and/or consult the Medtronic website at www.medtronic.com.

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