



Interbody Fusion Cages

ALIF

3D Printed Titanium Cage



Excellent Stability

Additive manufacturing technology in combination with a unique geometrical implant design facilitates efficient and reliable primary and secondary fixation. The unique “net” structure provides strong primary fixation and eliminates the risk of implant migration. The elasticity modulus of the implant is similar to PEEK alternatives and close to natural bone characteristics, which is the key success factor of bone in-growth. Secondary fixation is supported by fast and effective osteointegration.

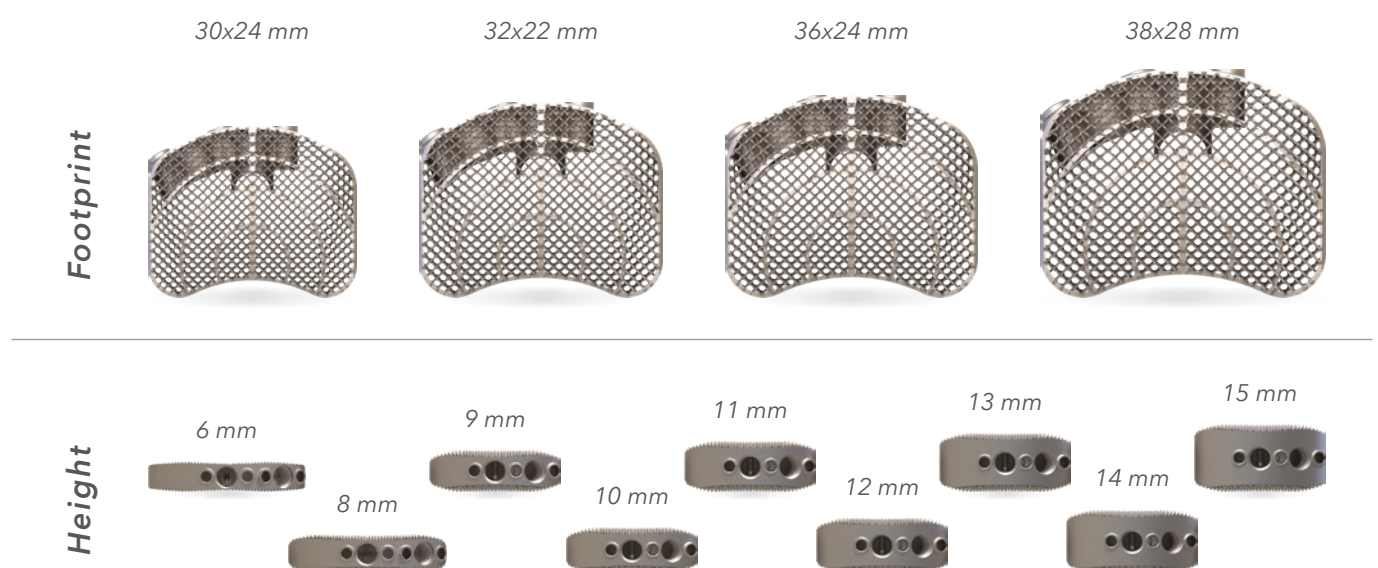


Wide Variety of Dimensions

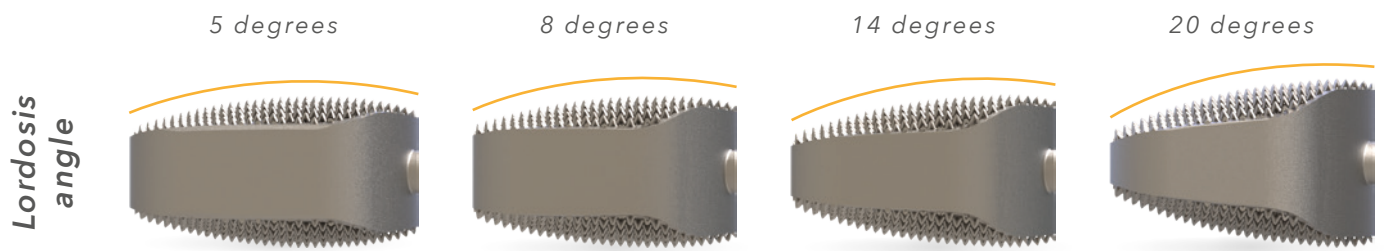
The design concept of 3D printed ALIF cage is made to meet well experienced surgeons' requirements.

CFP offers anatomically designed implants in a wide range of dimensions, offering just one system matching patients' natural anatomy and surgeons' preferences.

CFP offers four footprints and nine possible heights, with four possible lordosis angles.



Selected heights come only in selected footprints and angles.



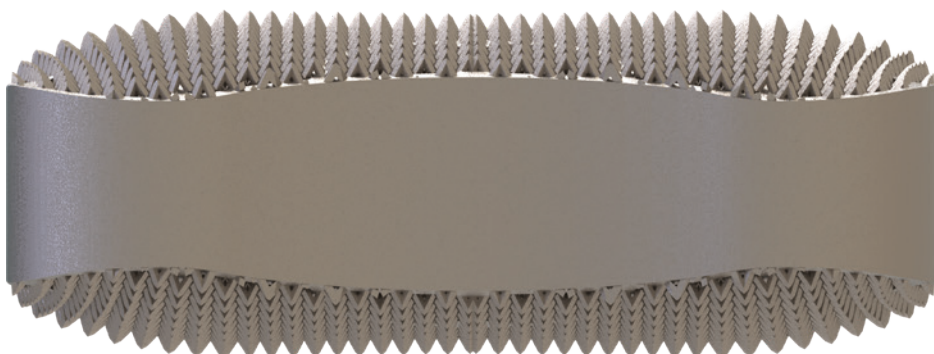
Bone InGrowth Technology®

The anatomically shaped 3D printed ALIF cage, has a unique net structure and a semi-open internal design, which allows a large volume of new bone colonisation.

Both the pore size of the net structure and the surface roughness of the implant edges meet with the ideal dimensions to facilitate fast and effective osteointegration, as described in scientific publications.

Elasticity of the 3D printed titanium geometry facilitates fast new bone formation and offers an excellent platform for Bone InGrowth.

When surgeons deem necessary to add an additional bone growth accelerator, CFP's Universal Filling System supports the bone substitute filling procedure, either at pre-implantation or post-implantation stage of the surgical procedure, in an effective way.



Product Reference Codes

Ref. Code	Ref. Code	Dimensions
TIA3024-**05	ACA3024**05	Footprint Size 30x24mm - Angle 5° Range of Heights [mm] 09, 10, 11, 12, 13, 14, 15
TIA3024-**08	ACA3024**08	Footprint Size 30x24mm - Angle 8° Range of Heights [mm] 09, 10, 11, 12, 13, 14, 15
TIA3024-**14	ACA3024**14	Footprint Size 30x24mm - Angle 14° Range of Heights [mm] 08, 09, 10, 11, 12, 13, 14, 15
TIA3024-**20	ACA3024**20	Footprint Size 30x24mm - Angle 20° Range of Heights [mm] 11, 12, 13, 14, 15
TIA3222-**05	ACA3222**05	Footprint Size 32x22mm - Angle 5° Range of Heights [mm] 09, 10, 11, 12, 13, 14, 15
TIA3222-**08	ACA3222**08	Footprint Size 32x22mm - Angle 8° Range of Heights [mm] 06, 08, 09, 10, 11, 12, 13, 14, 15
TIA3222-**14	ACA3222**14	Footprint Size 32x22mm - Angle 14° Range of Heights [mm] 06, 08, 09, 10, 11, 12, 13, 14, 15
TIA3624-**05	ACA3624**05	Footprint Size 36x24mm - Angle 5° Range of Heights [mm] 09, 10, 11, 12, 13, 14, 15
TIA3624-**08	ACA3624**08	Footprint Size 36x24mm - Angle 8° Range of Heights [mm] 06, 08, 09, 10, 11, 12, 13, 14, 15
TIA3624-**14	ACA3624**14	Footprint Size 36x24mm - Angle 14° Range of Heights [mm] 06, 08, 09, 10, 11, 12, 13, 14, 15
TIA3828-**05	ACA3828**05	Footprint Size 38x28mm - Angle 5° Range of Heights [mm] 09, 10, 11, 12, 13, 14, 15
TIA3828-**08	ACA3828**08	Footprint Size 38x28mm - Angle 8° Range of Heights [mm] 09, 10, 11, 12, 13, 14, 15
TIA3828-**14	ACA3828**14	Footprint Size 38x28mm - Angle 14° Range of Heights [mm] 09, 10, 11, 12, 13, 14, 15
TIA3828-**20	ACA3828**20	Footprint Size 38x28mm - Angle 20° Range of Heights [mm] 12, 13, 14, 15

** Choose preferred height and use it instead of the asterisks to get the final reference.



Made in Italy



Tsunami Medical S.r.l.

Reg. Offices: via E. Giorgi n. 27 - 41124 Modena (MO) Italy

Production & Administrative Site: Via XXV Aprile n. 22 - 41037 Mirandola (MO) Italy

Tel. +39.0535.38397 - Fax. +39.0535.38399

www.tsunamimedical.com - info@tsunamimed.com

UNI CEI EN ISO 13485

BR_CFP_ALICUDI_REV0_20260122

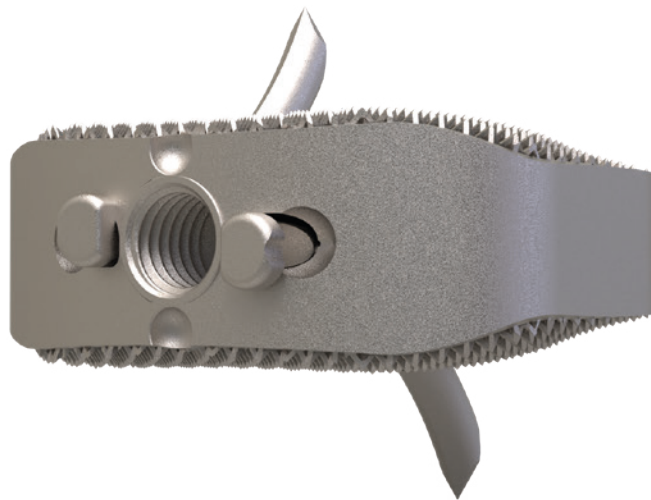


Interbody Fusion Cages

ALIF

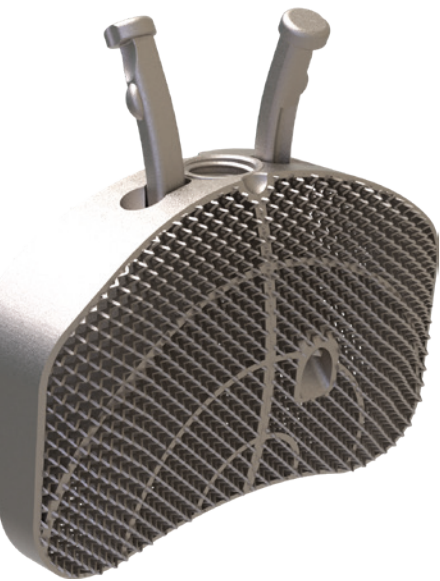
3D Printed Titanium Cage

Built-in Fixation



Bone InGrowth Technology®

Excellent Stability



Additive manufacturing technology in combination with a unique geometrical implant design facilitates efficient and reliable primary and secondary fixation.

The unique “net” structure provides strong primary fixation and eliminates the risk of implant migration.

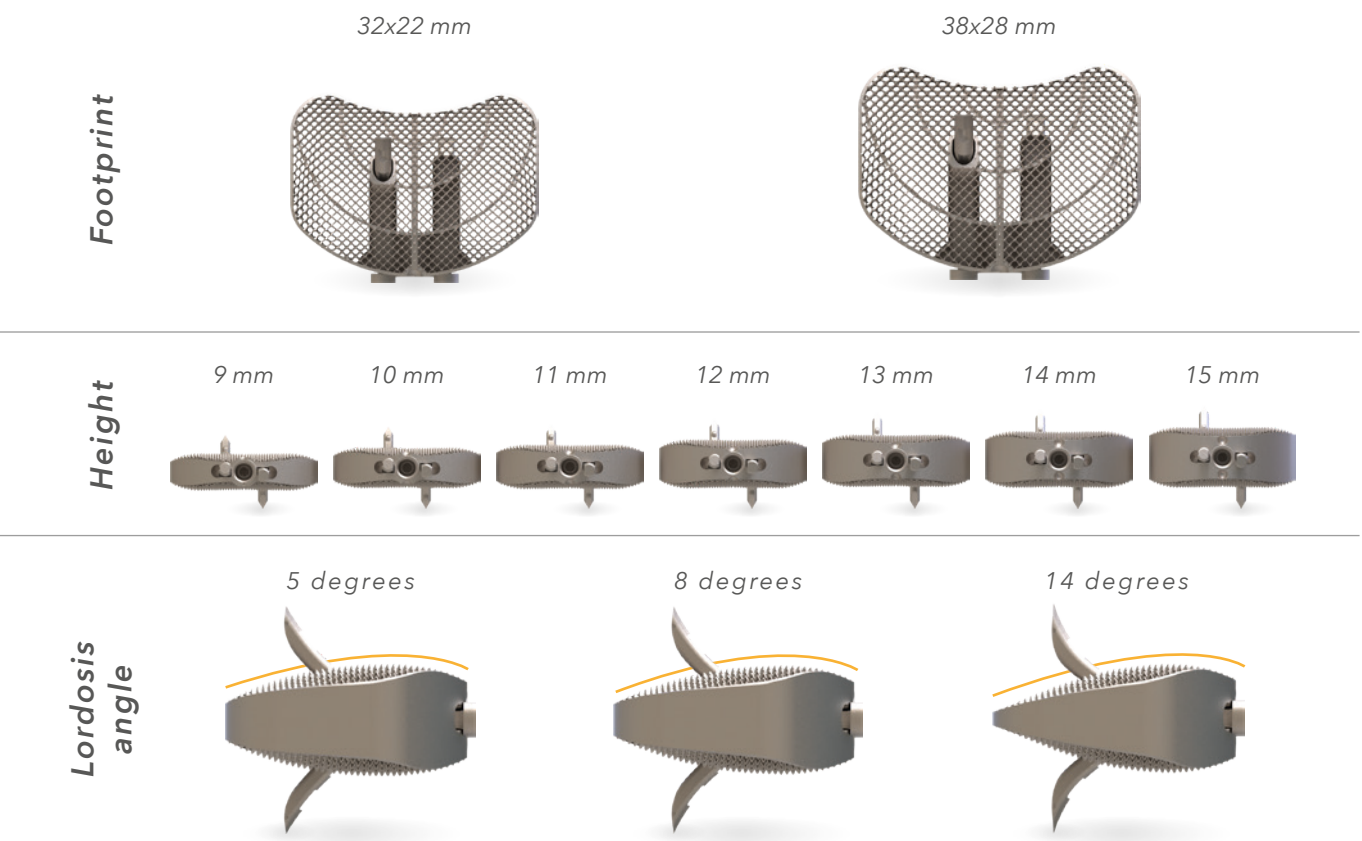
The elasticity modulus of the implant is similar to PEEK alternatives and close to natural bone characteristics, which is the key success factor of bone in-growth. Secondary fixation is supported by fast and effective osteointegration.

Wide Variety of Dimensions

The design concept of 3D printed ALIF cage is made to meet well experienced surgeons’ requirements.

CFP offers implants in a wide range of footprints, heights, and lordosis angles, providing just one system matching patients’ natural anatomy and surgeons’ preferences.

CFP offers two footprints and seven heights, with three possible lordosis angles, as outlined below.



Bone InGrowth Technology®

3D printed ALIF cage, has a unique net structure and a semi-open internal design, which allows a large volume of new bone colonisation.

Both the pore size of the net structure and the surface roughness of the implant edges meet with the ideal dimensions to facilitate fast and effective osteointegration, as described in scientific publications.

Elasticity of the 3D printed titanium geometry facilitates fast new bone formation and offers an excellent platform for Bone InGrowth.

When surgeons deem necessary to add an additional bone growth accelerator, CFP's Universal Filling System supports the bone substitute filling procedure, either at pre-implantation or post-implantation stage of the surgical procedure, in an effective way.

Additional Built-in Fixation

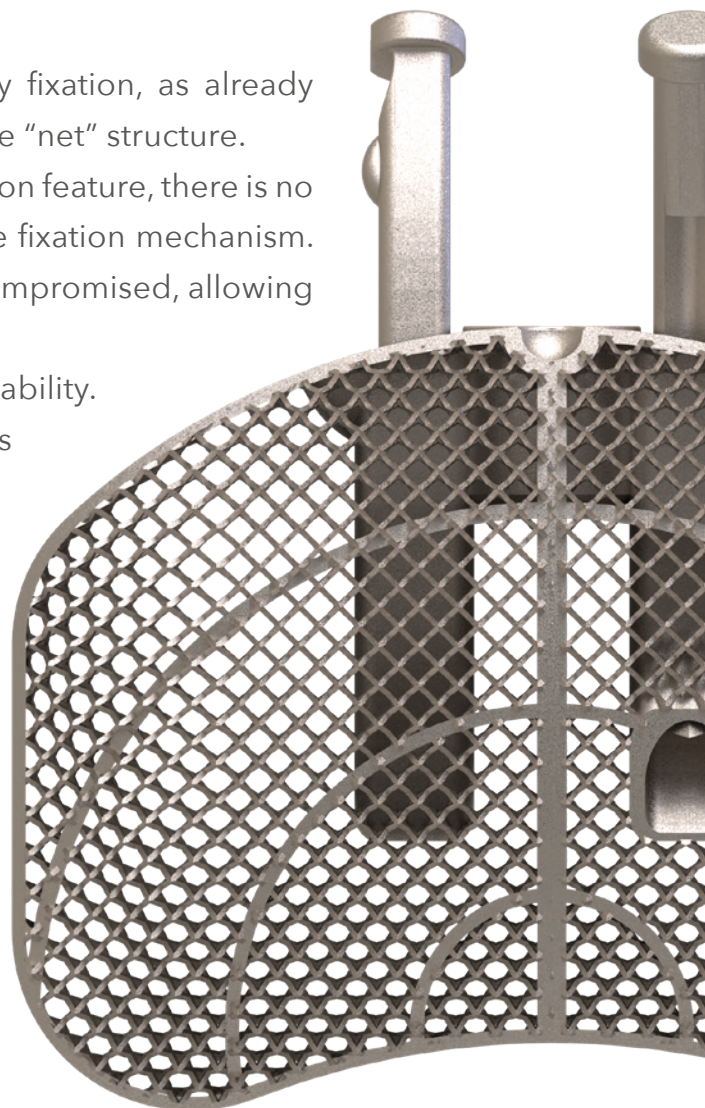
Built-in pins contribute to further enhance primary fixation, as already guaranteed by the excellent stability provided by the "net" structure.

By using pins instead of screws as an additional fixation feature, there is no extra material on the implant required to secure the fixation mechanism. Thus, the elasticity features of the implant are not compromised, allowing for bone in-growth.

The diagonal position of the pins secures rotation stability.

ALIF is manufactured in one production step, thanks to the additive manufacturing technology used.

No additional instruments are required for implantation: the pins are extracted and locked into the implant by a feature on the amended original Alicudi implant inserter. It is possible to retract the pins, when needed.



Product Reference Codes

Ref. Code	Ref. Code	Dimensions
TIAF3222-**05	ACAJ3222**05	Footprint Size 32x22mm - Angle 5° Range of Heights [mm] 09, 10, 11, 12, 13, 14, 15
TIAF3222-**08	ACAJ3222**08	Footprint Size 32x22mm - Angle 8° Range of Heights [mm] 09, 10, 11, 12, 13, 14, 15
TIAF3222-**14	ACAJ3222**14	Footprint Size 32x22mm - Angle 14° Range of Heights [mm] 09, 10, 11, 12, 13, 14, 15
TIAF3828-**05	ACAJ3828**05	Footprint Size 38x28mm - Angle 5° Range of Heights [mm] 09, 10, 11, 12, 13, 14, 15
TIAF3828-**08	ACAJ3828**08	Footprint Size 38x28mm - Angle 8° Range of Heights [mm] 09, 10, 11, 12, 13, 14, 15
TIAF3828-**14	ACAJ3828**14	Footprint Size 38x28mm - Angle 14° Range of Heights [mm] 09, 10, 11, 12, 13, 14, 15

** Choose preferred height and use it instead of the asterisks to get the final reference.



Made in Italy



Tsunami Medical S.r.l.

Reg. Offices: via E. Giorgi n. 27 - 41124 Modena (MO) Italy

Production & Administrative Site: Via XXV Aprile n. 22 - 41037 Mirandola (MO) Italy

Tel. +39.0535.38397 - Fax. +39.0535.38399

www.tsunamimedical.com - info@tsunamimed.com

UNI CEI EN ISO 13485

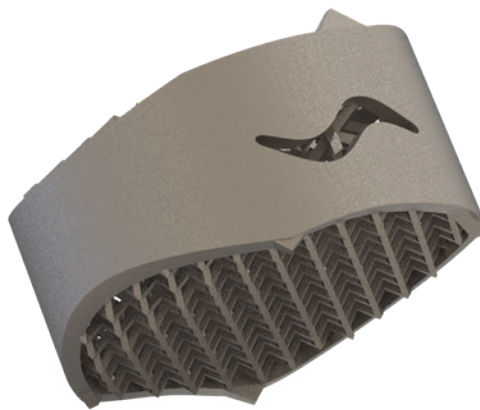
BR_CFP_ALICUDI-J_REV0_20260122



Interbody Fusion Cages

ACIF

3D Printed Titanium Cage



Bone InGrowth Technology®

Excellent Stability

Additive manufacturing technology in combination with a unique geometrical implant design facilitates efficient and reliable primary and secondary fixation. The unique “net” structure provides strong primary fixation and eliminates the risk of implant migration. The elasticity modulus of the implant is similar to PEEK alternatives and close to natural bone characteristics, which is the key success factor of bone in-growth. Secondary fixation is supported by fast and effective osteointegration.

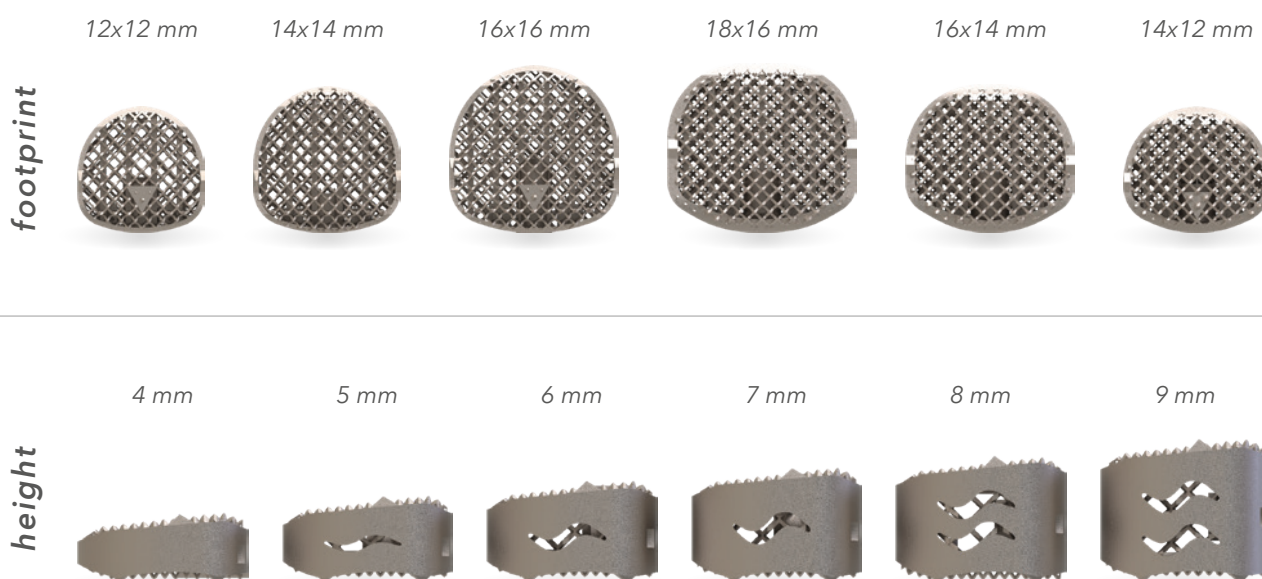


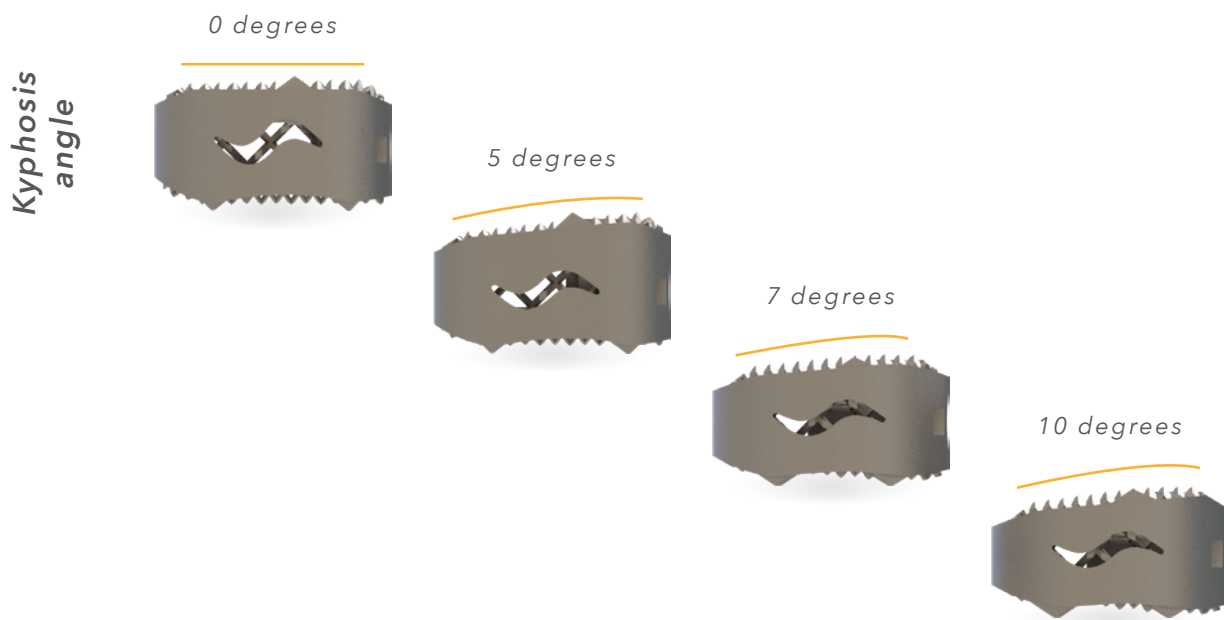
Wide Variety of Dimensions

The design concept of 3D printed ACIF cage is made to meet well experienced surgeons' requirements.

CFP offers anatomically designed implants in a wide range of dimensions, offering just one system matching patients' natural anatomy and surgeons' preferences.

CFP offers six footprints and six possible heights, with three possible kyphosis angles.





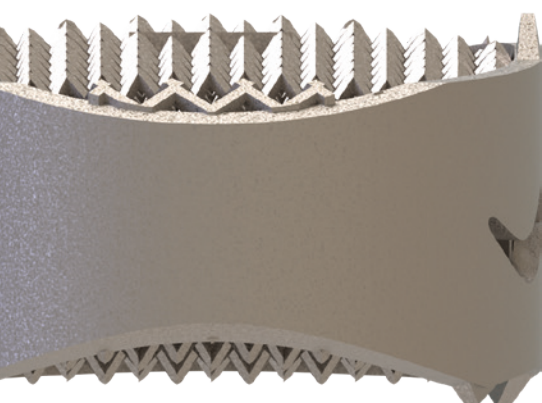
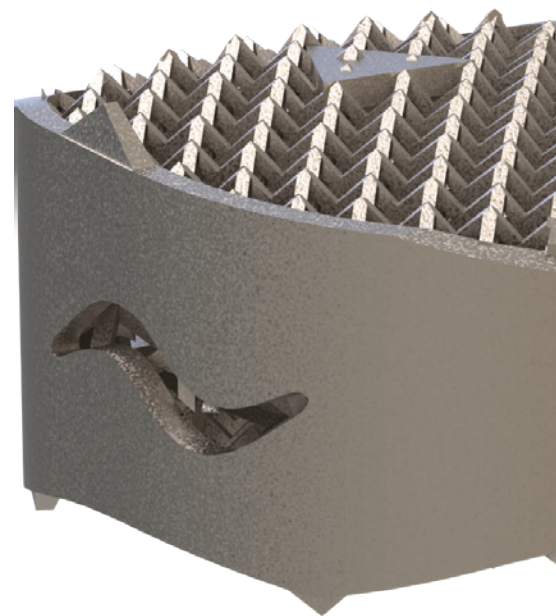
Bone InGrowth Technology®

The anatomically shaped 3D printed ACIF cage, has a unique net structure and a semi-open internal design, which allows a large volume of new bone colonisation.

Both the pore size of the net structure and the surface roughness of the implant edges meet with the ideal dimensions to facilitate fast and effective osteointegration, as described in scientific publications.

Elasticity of the 3D printed titanium geometry facilitates fast new bone formation and offers an excellent platform for Bone InGrowth.

When surgeons deem necessary to add an additional bone growth accelerator, CFP's Universal Filling System supports the bone substitute filling procedure, either at pre-implantation or post-implantation stage of the surgical procedure, in an effective way.



The picture on the right shows a radiography where it is possible to see the Capraia cage post-implantation.



3 months later.

Product Reference Codes

Order Code	Ref. Code	Dimensions
Square footprints		
TIC1212-**00	ACC1212**00	Footprint Size 12x12mm - Angle 0° Range of Heights [mm] 04, 05, 06, 07, 08, 09
TIC1212-**05	ACC1212**05	Footprint Size 12x12mm - Angle 5° Range of Heights [mm] 04, 05, 06, 07, 08, 09
TIC1414-**00	ACC1414**00	Footprint Size 14x14mm - Angle 0° Range of Heights [mm] 04, 05, 06, 07, 08, 09
TIC1414-**05	ACC1414**05	Footprint Size 14x14mm - Angle 5° Range of Heights [mm] 04, 05, 06, 07, 08, 09
TIC1616-**00	ACC1616**00	Footprint Size 16x16mm - Angle 0° Range of Heights [mm] 04, 05, 06, 07, 08, 09
TIC1616-**05	ACC1616**05	Footprint Size 16x16mm - Angle 5° Range of Heights [mm] 04, 05, 06, 07, 08, 09
Rectangular footprints		
TIC1412-**00	ACC1412**00	Footprint Size 14x12mm - Angle 0° Range of Heights [mm] 04, 05, 06, 07, 08, 09
TIC1412-**05	ACC1412**05	Footprint Size 14x12mm - Angle 5° Range of Heights [mm] 04, 05, 06, 07, 08, 09
TIC1412-**10	ACC1412**10	Footprint Size 14x12mm - Angle 10° Range of Heights [mm] 04, 05, 06, 07, 08, 09
TIC1614-**00	ACC1614**00	Footprint Size 16x14mm - Angle 0° Range of Heights [mm] 04, 05, 06, 07, 08, 09
TIC1614-**05	ACC1614**05	Footprint Size 16x14mm - Angle 5° Range of Heights [mm] 04, 05, 06, 07, 08, 09
TIC1614-**07	ACC1614**07	Footprint Size 16x14mm - Angle 7° Range of Heights [mm] 04, 05, 06, 07, 08, 09
TIC1614-**10	ACC1614**10	Footprint Size 16x14mm - Angle 10° Range of Heights [mm] 04, 05, 06, 07, 08, 09
TIC1816-**00	ACC1816**00	Footprint Size 18x16mm - Angle 0° Range of Heights [mm] 04, 05, 06, 07, 08, 09
TIC1816-**05	ACC1816**05	Footprint Size 18x16mm - Angle 5° Range of Heights [mm] 04, 05, 06, 07, 08, 09
TIC1816-**10	ACC1816**10	Footprint Size 18x16mm - Angle 10° Range of Heights [mm] 04, 05, 06, 07, 08, 09

** Choose preferred height and use it instead of the asterisks to get the final reference.



Tsunami Medical S.r.l.

Reg. Offices: via E. Giorgi n. 27 - 41124 Modena (MO) Italy

Production & Administrative Site: Via XXV Aprile n. 22 - 41037 Mirandola (MO) Italy

Tel. +39.0535.38397 - Fax. +39.0535.38399

www.tsunamimedical.com - info@tsunamimed.com



Made in Italy



UNI CEI EN ISO 13485

BR_CFP_CAPRAIA_REV1_20260122

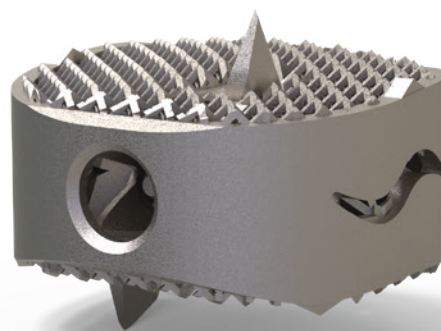


Interbody Fusion Cages

ACIF

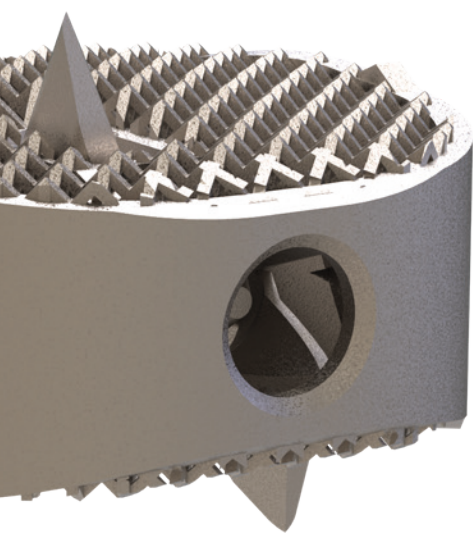
3D Printed Titanium Cage

Built-in Fixation



Bone InGrowth Technology®

Excellent Stability



Additive manufacturing technology in combination with a unique geometrical implant design facilitates efficient and reliable primary and secondary fixation.

The unique “net” structure provides strong primary fixation and eliminates the risk of implant migration.

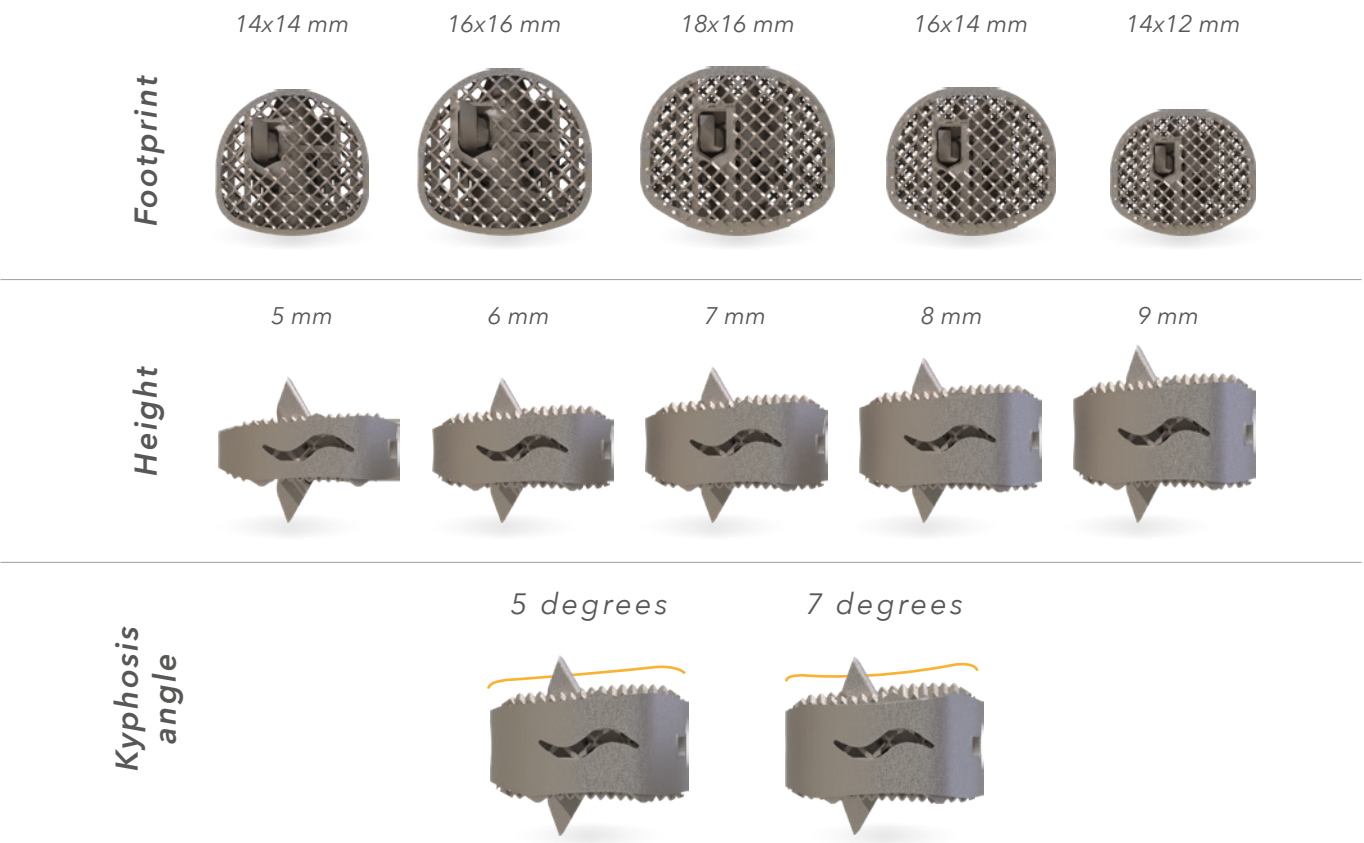
The elasticity modulus of the implant is similar to PEEK alternatives and close to natural bone characteristics, which is the key success factor of bone in-growth. Secondary fixation is supported by fast and effective osteointegration.

Wide Variety of Dimensions

The design concept of 3D printed ACIF cage is made to meet well experienced surgeons’ requirements.

CFP offers anatomically designed implants in a wide range of footprints and heights, providing just one system matching patients’ natural anatomy and surgeons’ preferences.

CFP offers five footprints and five heights with a possible kyphosis angle of 5 degrees, as outlined below.



Bone InGrowth Technology®

The anatomically shaped 3D printed ACIF cage, has a unique net structure and a semi-open internal design, which allows a large volume of new bone colonisation.

Both the pore size of the net structure and the surface roughness of the implant edges meet with the ideal dimensions to facilitate fast and effective osteointegration, as described in scientific publications.

Elasticity of the 3D printed titanium geometry facilitates fast new bone formation and offers an excellent platform for Bone Ingrowth.

When surgeons deem necessary to add an additional bone growth accelerator, CFP's Universal Filling System supports the bone substitute filling procedure, either at pre-implantation or post-implantation stage of the surgical procedure, in an effective way.

Additional Built-in Fixation

Built-in pins contribute to further enhance primary fixation, as already guaranteed by the excellent stability provided by the "net" structure.

By using pins instead of screws as an additional fixation feature, there is no extra material on the implant required to secure the fixation mechanism. Thus, the elasticity features of the implant are not compromised, allowing for bone in-growth.

The diagonal position of the pins secures rotation stability.

ACIF is manufactured in one production step, thanks to the additive manufacturing technology used.

No additional instruments are required for implantation: the pins are extracted by a feature on the amended original ACIF implant inserter. It is possible to retract the pins, when needed.



Product Reference Codes

Order Code	Ref. Code	Dimensions
Square footprints		
TICF1414-**05	ACCZ1414**05	Footprint Size 14x14mm - Angle 5° Range of Heights [mm] 05, 06, 07, 08, 09
TICF1414-**05	ACCZ1616**05	Footprint Size 16x16mm - Angle 5° Range of Heights [mm] 05, 06, 07, 08, 09
Rectangular footprints		
TICF1412-**05	ACCZ1412**05	Footprint Size 14x12mm - Angle 5° Range of Heights [mm] 05, 06, 07, 08, 09
TICF1412-**07	ACCZ1412**07	Footprint Size 14x12mm - Angle 7° Range of Heights [mm] 05, 06, 07, 08, 09
TICF1614-**05	ACCZ1614**05	Footprint Size 16x14mm - Angle 5° Range of Heights [mm] 05, 06, 07, 08, 09
TICF1614-**07	ACCZ1614**07	Footprint Size 16x14mm - Angle 7° Range of Heights [mm] 05, 06, 07, 08, 09
TICF1816-**05	ACCZ1816**05	Footprint Size 18x16mm - Angle 5° Range of Heights [mm] 05, 06, 07, 08, 09

** Choose preferred height and use it instead of the asterisks to get the final reference.



Made in Italy



Tsunami Medical S.r.l.

Reg. Offices: via E. Giorgi n. 27 - 41124 Modena (MO) Italy

Production & Administrative Site: Via XXV Aprile n. 22 - 41037 Mirandola (MO) Italy

Tel. +39.0535.38397 - Fax. +39.0535.38399

www.tsunamimedical.com - info@tsunamimed.com

UNI CEI EN ISO 13485

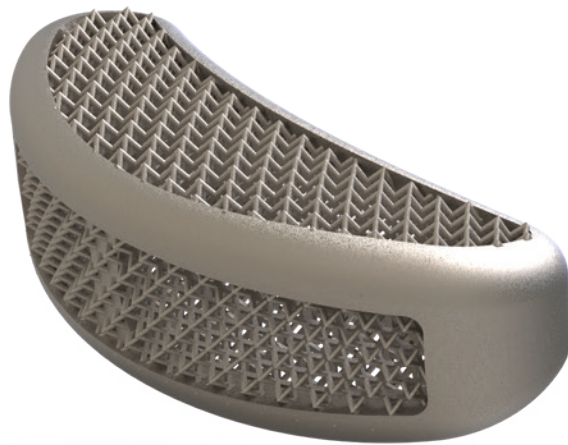
BR_CFP_CAPRAIA-Z_REV1_20260122



Interbody Fusion Cages

TLIF

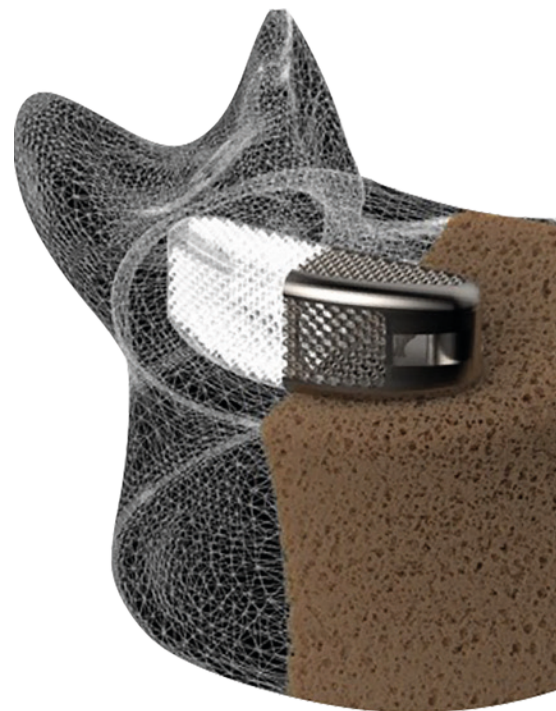
3D Printed Titanium Cage



Bone InGrowth Technology®

Excellent Stability

Additive manufacturing technology in combination with a unique geometrical implant design facilitates efficient and reliable primary and secondary fixation. The unique “net” structure provides strong primary fixation and eliminates the risk of implant migration. The elasticity modulus of the implant is similar to PEEK alternatives and close to natural bone characteristics, which is the key success factor of bone in-growth. Secondary fixation is supported by fast and effective osteointegration.



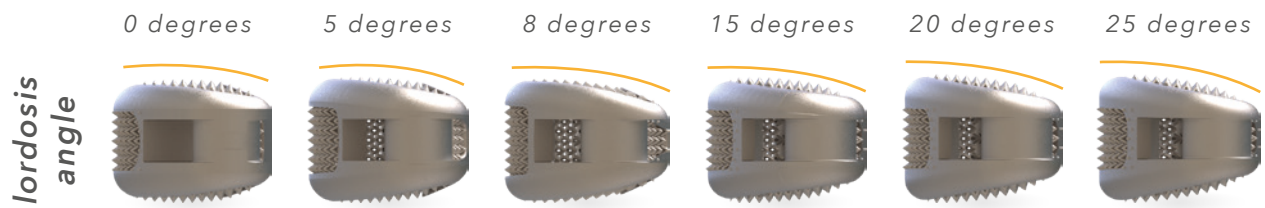
Wide Variety of Dimensions

The design concept of 3D printed TLIF cage is made to meet well experienced surgeons' requirements.

CFP offers anatomically designed implants in a wide range of dimensions, offering just one system matching patients' natural anatomy and surgeons' preferences.

CFP offers four footprints and nine possible heights, with six possible lordosis angles.





15, 20 and 25 degrees are available for 32x10 mm footprint only.

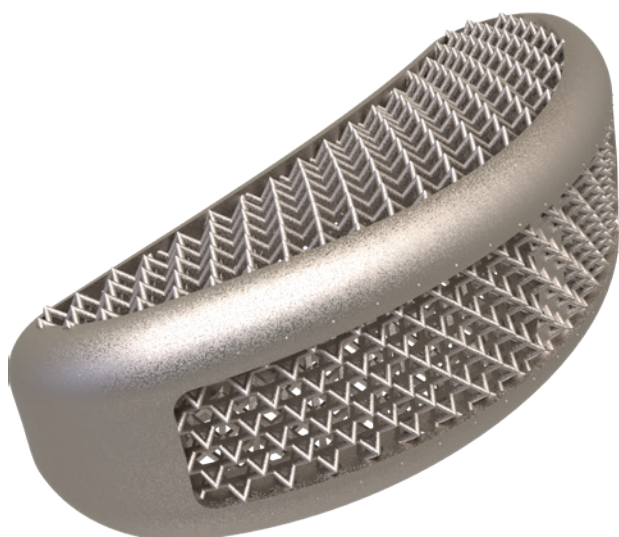
Bone InGrowth Technology®

The anatomically shaped 3D printed TLIF cage, has a unique net structure and a semi-open internal design, which allows a large volume of new bone colonisation.

Both the pore size of the net structure and the surface roughness of the implant edges meet with the ideal dimensions to facilitate fast and effective osteointegration, as described in scientific publications.

Elasticity of the 3D printed titanium geometry facilitates fast new bone formation and offers an excellent platform for Bone InGrowth.

When surgeons deem necessary to add an additional bone growth accelerator, CFP's Universal Filling System supports the bone substitute filling procedure, either at pre-implantation or post-implantation stage of the surgical procedure, in an effective way.



Product Reference Codes

Ref. Code	Ref. Code	Dimensions
ACT2609**00	ACT2609**00	Footprint Size 26x09mm - Angle 0° Range of Heights [mm] 07, 08, 09, 10, 11, 12, 13, 14, 15
ACT2609**05	ACT2609**05	Footprint Size 26x09mm - Angle 5° Range of Heights [mm] 07, 08, 09, 10, 11, 12, 13, 14, 15
ACT2609**08	ACT2609**08	Footprint Size 26x09mm - Angle 8° Range of Heights [mm] 07, 08, 09, 10, 11, 12, 13, 14, 15
ACT2909**00	ACT2909**00	Footprint Size 29x09mm - Angle 0° Range of Heights [mm] 07, 08, 09, 10, 11, 12, 13, 14, 15
ACT2909**05	ACT2909**05	Footprint Size 29x09mm - Angle 5° Range of Heights [mm] 07, 08, 09, 10, 11, 12, 13, 14, 15
ACT2909**08	ACT2909**08	Footprint Size 29x09mm - Angle 8° Range of Heights [mm] 07, 08, 09, 10, 11, 12, 13, 14, 15
ACT3209**00	ACT3209**00	Footprint Size 32x09mm - Angle 0° Range of Heights [mm] 07, 08, 09, 10, 11, 12, 13, 14, 15
ACT3209**05	ACT3209**05	Footprint Size 32x09mm - Angle 5° Range of Heights [mm] 07, 08, 09, 10, 11, 12, 13, 14, 15
ACT3209**08	ACT3209**08	Footprint Size 32x09mm - Angle 8° Range of Heights [mm] 07, 08, 09, 10, 11, 12, 13, 14, 15
ACT3210**15	ACT3210**15	Footprint Size 32x10mm - Angle 15° Range of Heights [mm] 07, 08, 09, 10, 11, 12, 13, 14, 15
ACT3210**20	ACT3210**20	Footprint Size 32x10mm - Angle 20° Range of Heights [mm] 07, 08, 09, 10, 11, 12, 13, 14, 15
ACT3210**25	ACT3210**25	Footprint Size 32x10mm - Angle 25° Range of Heights [mm] 07, 08, 09, 10, 11, 12, 13, 14, 15

** Choose preferred height and use it instead of the asterisks to get the final reference.



Made in Italy



Tsunami Medical S.r.l.

Reg. Offices: via E. Giorgi n. 27 - 41124 Modena (MO) Italy

Production & Administrative Site: Via XXV Aprile n. 22 - 41037 Mirandola (MO) Italy

Tel. +39.0535.38397 - Fax. +39.0535.38399

www.tsunamimedical.com - info@tsunamimed.com

UNI CEI EN ISO 13485

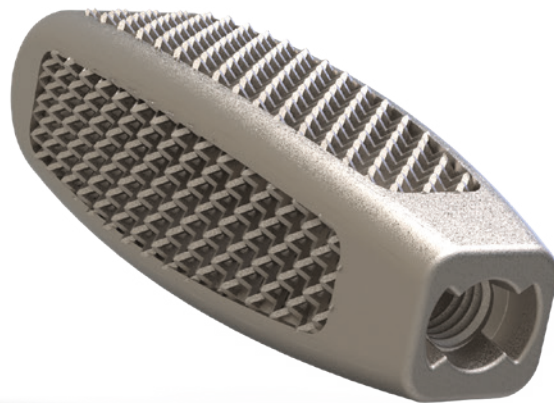
BR_CFP_ELBA_REV1_20260122



Interbody Fusion Cages

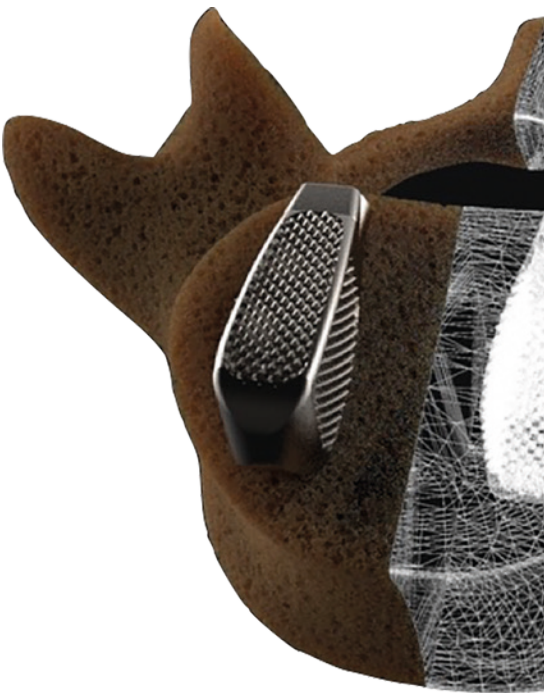
PLIF

3D Printed Titanium Cage



Excellent Stability

Additive manufacturing technology in combination with a unique geometrical implant design facilitates efficient and reliable primary and secondary fixation. The unique “net” structure provides strong primary fixation and eliminates the risk of implant migration. The elasticity modulus of the implant is similar to PEEK alternatives and close to natural bone characteristics, which is the key success factor of bone in-growth. Secondary fixation is supported by fast and effective osteointegration.

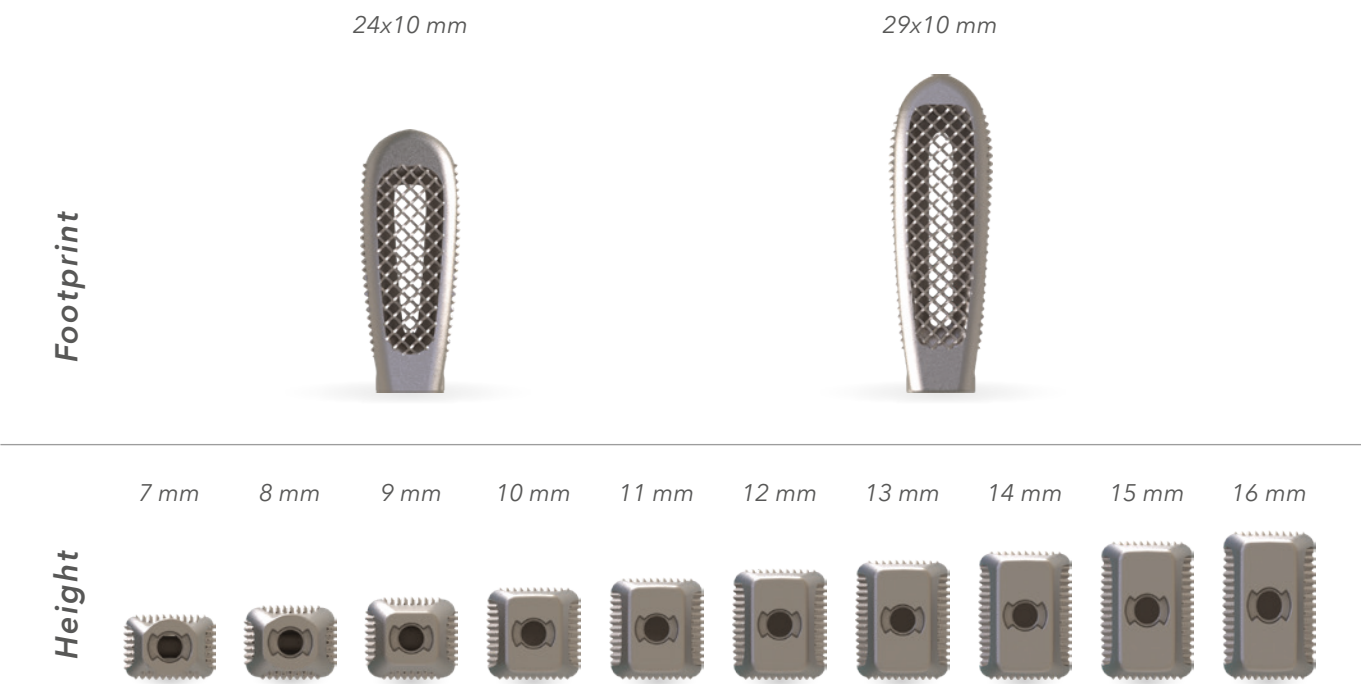


Wide Variety of Dimensions

The design concept of 3D printed PLIF cage is made to meet well experienced surgeons’ requirements.

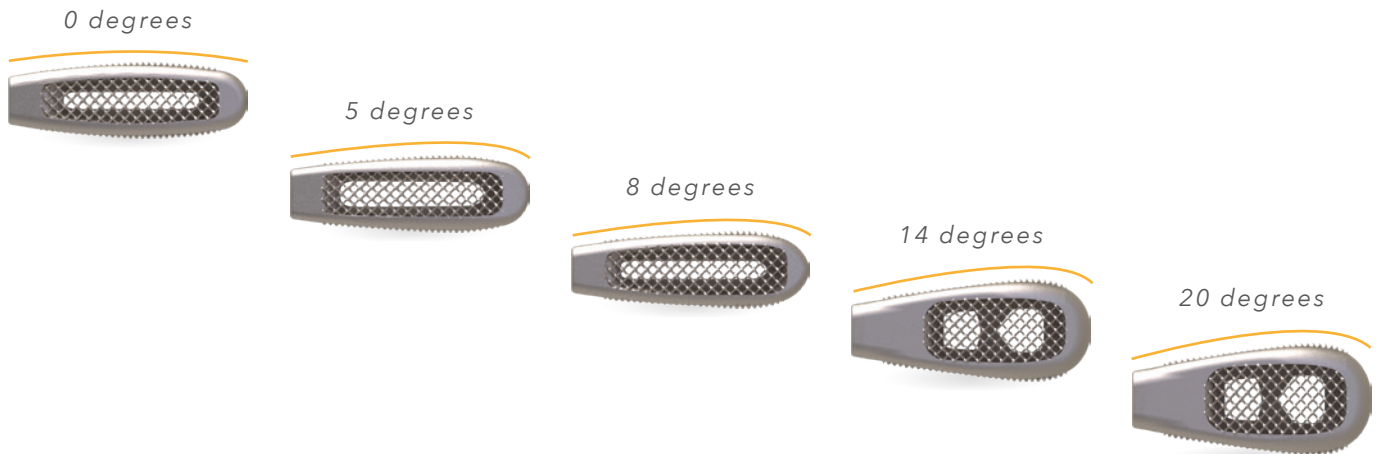
CFP offers anatomically designed implants in a wide range of dimensions, offering just one system matching patients’ natural anatomy and surgeons’ preferences.

CFP offers two footprints and ten possible heights, with five possible lordosis angles.



Selected heights come only in selected footprints and angles.

Lordosis angle



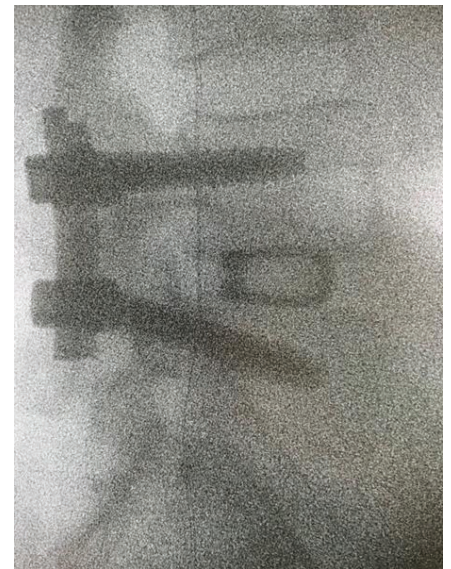
Bone InGrowth Technology®

The anatomically shaped 3D printed PLIF cage, has a unique net structure and a semi-open internal design, which allows a large volume of new bone colonisation.

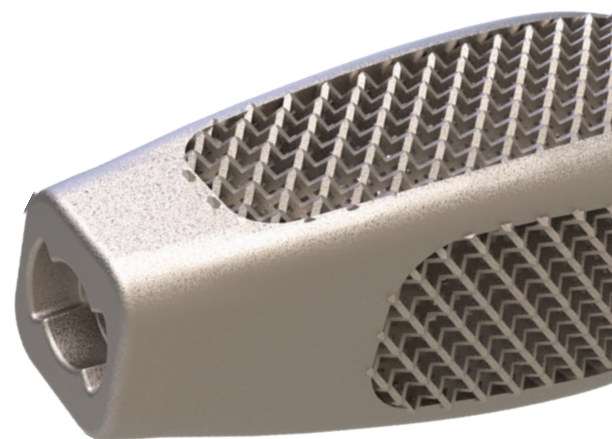
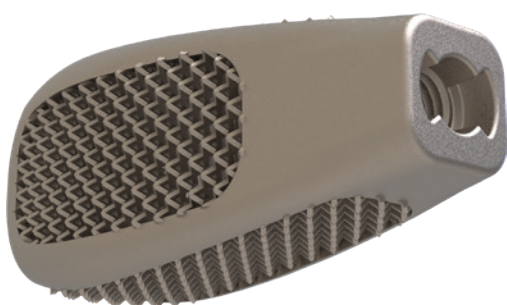
Both the pore size of the net structure and the surface roughness of the implant edges meet with the ideal dimensions to facilitate fast and effective osteointegration, as described in scientific publications.

Elasticity of the 3D printed titanium geometry facilitates fast new bone formation and offers an excellent platform for Bone InGrowth.

When surgeons deem necessary to add an additional bone growth accelerator, CFP's Universal Filling System supports the bone substitute filling procedure, either at pre-implantation or post-implantation stage of the surgical procedure, in an effective way.



Radiography of Pianosa cage post-implantation.



Product Reference Codes

Order Code	Ref. Code	Dimensions
TIP2410-**00	ACP2410**00	Footprint Size 24x10mm - Angle 0° Range of Heights [mm] 07, 08, 09, 10, 11, 12, 13, 14
TIP2410-**05	ACP2410**05	Footprint Size 24x10mm - Angle 5° Range of Heights [mm] 07, 08, 09, 10, 11, 12, 13, 14
TIP2410-**08	ACP2410**08	Footprint Size 24x10mm - Angle 8° Range of Heights [mm] 07, 08, 09, 10, 11, 12, 13, 14
TIP2410-**14	ACP2410**14	Footprint Size 24x10mm - Angle 14° Range of Heights [mm] 10, 11, 12, 13, 14, 15
TIP2410-**20	ACP2410**20	Footprint Size 24x10mm - Angle 20° Range of Heights [mm] 12, 13, 14, 15, 16
TIP2910-**00	ACP2910**00	Footprint Size 29x10mm - Angle 0° Range of Heights [mm] 07, 08, 09, 10, 11, 12, 13, 14
TIP2910-**05	ACP2910**05	Footprint Size 29x10mm - Angle 5° Range of Heights [mm] 07, 08, 09, 10, 11, 12, 13, 14
TIP2910-**08	ACP2910**08	Footprint Size 29x10mm - Angle 8° Range of Heights [mm] 07, 08, 09, 10, 11, 12, 13, 14
TIP2910-**14	ACP2910**14	Footprint Size 29x10mm - Angle 14° Range of Heights [mm] 12, 13, 14, 15
TIP2910-**20	ACP2910**20	Footprint Size 29x10mm - Angle 20° Range of Heights [mm] 14, 15, 16

** Choose preferred height and use it instead of the asterisks to get the final reference.



Made in Italy



Tsunami Medical S.r.l.

Reg. Offices: via E. Giorgi n. 27 - 41124 Modena (MO) Italy

Production & Administrative Site: Via XXV Aprile n. 22 - 41037 Mirandola (MO) Italy

Tel. +39.0535.38397 - Fax. +39.0535.38399

www.tsunamimedical.com - info@tsunamimed.com

UNI CEI EN ISO 13485

BR_CFP_PIANOSA_REV0_20260122



Interbody Fusion Cages

DLIF

3D Printed Titanium Cage



Bone InGrowth Technology®

Excellent Stability

Additive manufacturing technology in combination with a unique geometrical implant design facilitates efficient and reliable primary and secondary fixation. The unique “net” structure provides strong primary fixation and eliminates the risk of implant migration. The elasticity modulus of the implant is similar to PEEK alternatives and close to natural bone characteristics, which is the key success factor of bone in-growth. Secondary fixation is supported by fast and effective osteointegration.



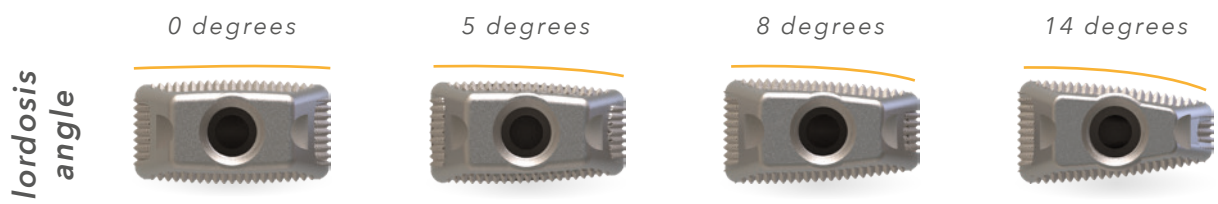
Wide Variety of Dimensions

The design concept of 3D printed DLIF cage is made to meet well experienced surgeons' requirements.

CFP offers anatomically designed implants in a wide range of dimensions, offering just one system matching patients' natural anatomy and surgeons' preferences.

CFP offers four footprints and four possible heights, with four possible lordosis angles.





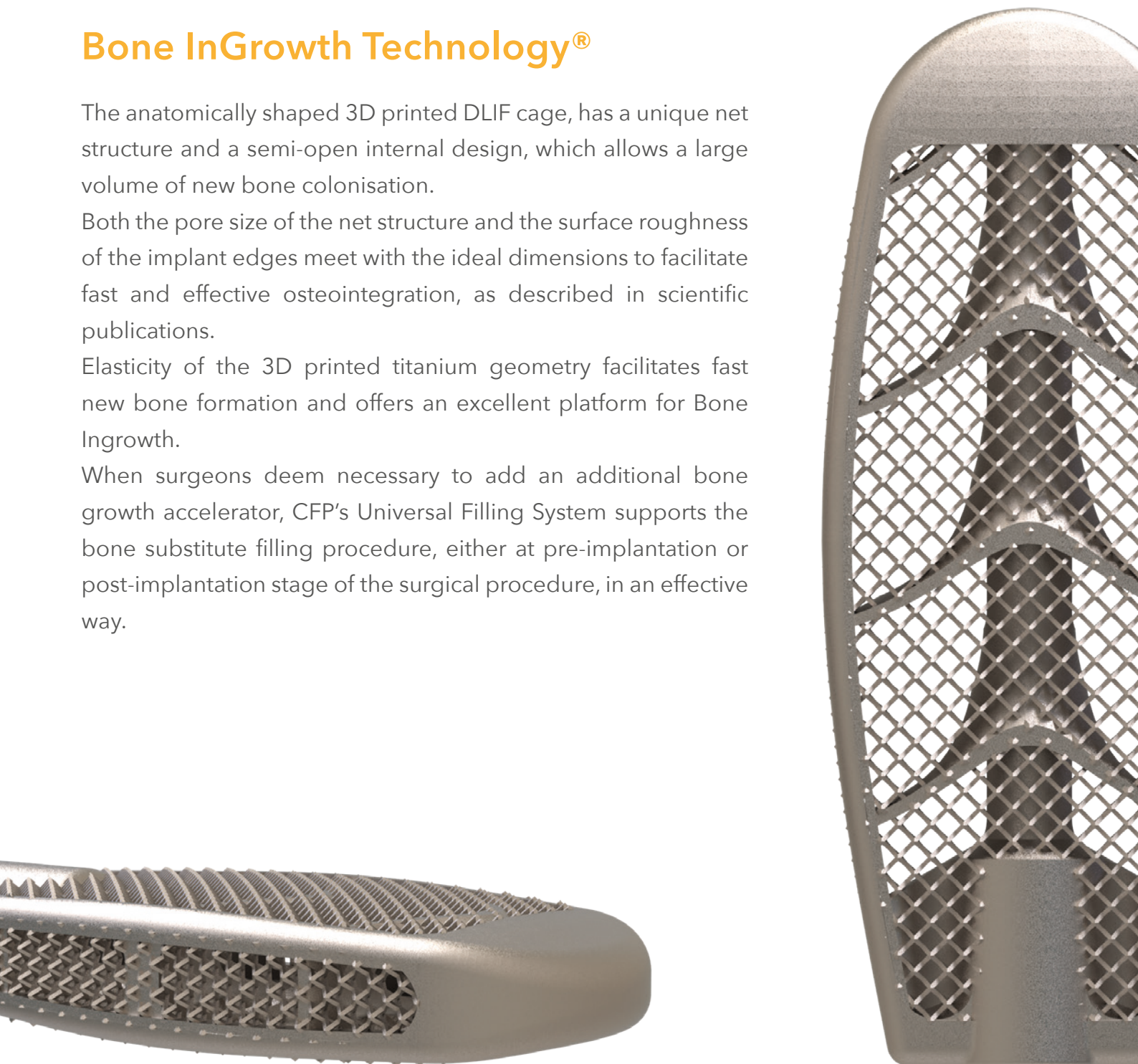
Bone InGrowth Technology®

The anatomically shaped 3D printed DLIF cage, has a unique net structure and a semi-open internal design, which allows a large volume of new bone colonisation.

Both the pore size of the net structure and the surface roughness of the implant edges meet with the ideal dimensions to facilitate fast and effective osteointegration, as described in scientific publications.

Elasticity of the 3D printed titanium geometry facilitates fast new bone formation and offers an excellent platform for Bone InGrowth.

When surgeons deem necessary to add an additional bone growth accelerator, CFP's Universal Filling System supports the bone substitute filling procedure, either at pre-implantation or post-implantation stage of the surgical procedure, in an effective way.



Product Reference Codes

Order Code	Ref. Code	Dimensions	Order Code	Ref. Code	Dimensions
TIL4218-**00	ACX4218**00	Footprint Size 42x18mm - Angle 0° Range of Heights [mm] 07, 09, 11, 13	TIL5218-**00	ACX5218**00	Footprint Size 52x18mm - Angle 0° Range of Heights [mm] 07, 09, 11, 13
TIL4218-**05	ACX4218**05	Footprint Size 42x18mm - Angle 5° Range of Heights [mm] 07, 09, 11, 13	TIL5218-**05	ACX5218**05	Footprint Size 52x18mm - Angle 5° Range of Heights [mm] 07, 09, 11, 13
TIL4218-**08	ACX4218**08	Footprint Size 42x18mm - Angle 8° Range of Heights [mm] 07, 09, 11, 13	TIL5218-**08	ACX5218**08	Footprint Size 52x18mm - Angle 8° Range of Heights [mm] 07, 09, 11, 13
TIL4218-**14	ACX4218**14	Footprint Size 42x18mm - Angle 14° Range of Heights [mm] 07, 09, 11, 13	TIL5218-**14	ACX5218**14	Footprint Size 52x18mm - Angle 14° Range of Heights [mm] 07, 09, 11, 13
ACX4220**05	ACX4220**05	Footprint Size 42x20mm - Angle 5° Range of Heights [mm] 07, 09, 11, 13	ACX5222**05	ACX5222**05	Footprint Size 52x22mm - Angle 5° Range of Heights [mm] 07, 09, 11, 13
ACX4220**08	ACX4220**08	Footprint Size 42x20mm - Angle 8° Range of Heights [mm] 07, 09, 11, 13	ACX5222**08	ACX5222**08	Footprint Size 52x22mm - Angle 8° Range of Heights [mm] 07, 09, 11, 13
ACX4220**14	ACX4220**14	Footprint Size 42x20mm - Angle 14° Range of Heights [mm] 07, 09, 11, 13	ACX5222**14	ACX5222**14	Footprint Size 52x22mm - Angle 14° Range of Heights [mm] 07, 09, 11, 13
TIL4818-**00	ACX4818**00	Footprint Size 48x18mm - Angle 0° Range of Heights [mm] 07, 09, 11, 13	TIL5818-**00	ACX5818**00	Footprint Size 58x18mm - Angle 0° Range of Heights [mm] 07, 09, 11, 13
TIL4818-**05	ACX4818**05	Footprint Size 48x18mm - Angle 5° Range of Heights [mm] 07, 09, 11, 13	TIL5818-**05	ACX5818**05	Footprint Size 58x18mm - Angle 5° Range of Heights [mm] 07, 09, 11, 13
TIL4818-**08	ACX4818**08	Footprint Size 48x18mm - Angle 8° Range of Heights [mm] 07, 09, 11, 13	TIL5818-**08	ACX5818**08	Footprint Size 58x18mm - Angle 8° Range of Heights [mm] 07, 09, 11, 13
TIL4818-**14	ACX4818**14	Footprint Size 48x18mm - Angle 14° Range of Heights [mm] 07, 09, 11, 13	TIL5818-**14	ACX5818**14	Footprint Size 58x18mm - Angle 14° Range of Heights [mm] 07, 09, 11, 13
ACX4822**05	ACX4822**05	Footprint Size 48x22mm - Angle 5° Range of Heights [mm] 07, 09, 11, 13	ACX5822**05	ACX5822**05	Footprint Size 58x22mm - Angle 5° Range of Heights [mm] 07, 09, 11, 13
ACX4822**08	ACX4822**08	Footprint Size 48x22mm - Angle 8° Range of Heights [mm] 07, 09, 11, 13	ACX5822**08	ACX5822**08	Footprint Size 58x22mm - Angle 8° Range of Heights [mm] 07, 09, 11, 13
ACX4822**14	ACX4822**14	Footprint Size 48x22mm - Angle 14° Range of Heights [mm] 07, 09, 11, 13	ACX5822**14	ACX5822**14	Footprint Size 58x22mm - Angle 14° Range of Heights [mm] 07, 09, 11, 13

** Choose preferred height and use it instead of the asterisks to get the final reference.



Made in Italy



Tsunami Medical S.r.l.

Reg. Offices: via E. Giorgi n. 27 - 41124 Modena (MO) Italy

Production & Administrative Site: Via XXV Aprile n. 22 - 41037 Mirandola (MO) Italy

Tel. +39.0535.38397 - Fax. +39.0535.38399

www.tsunamimedical.com - info@tsunamimed.com

UNI CEI EN ISO 13485

BR_CFP_STROMBOLI_REV1_20260122

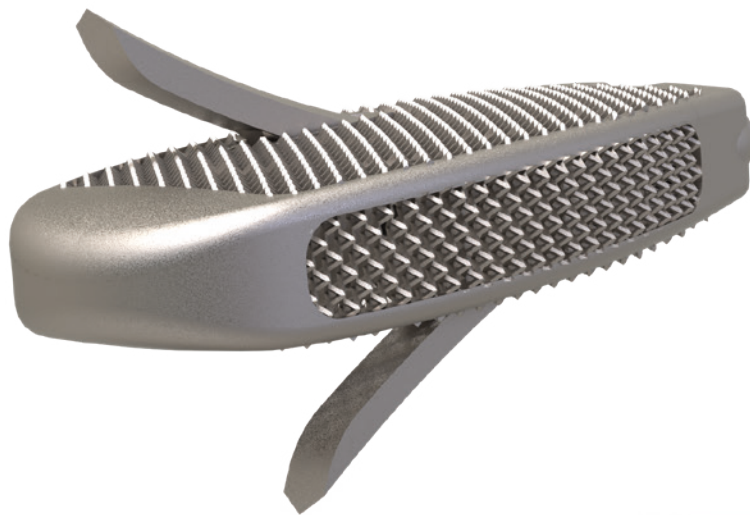


Interbody Fusion Cages

DLIF

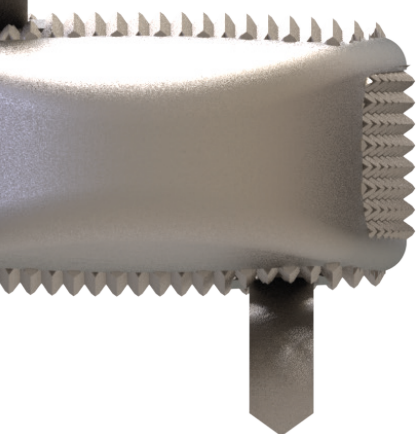
3D Printed Titanium Cage

Built-in Fixation



Bone InGrowth Technology®

Excellent Stability



Additive manufacturing technology in combination with a unique geometrical implant design facilitates efficient and reliable primary and secondary fixation.

The unique "net" structure provides strong primary fixation and eliminates the risk of implant migration.

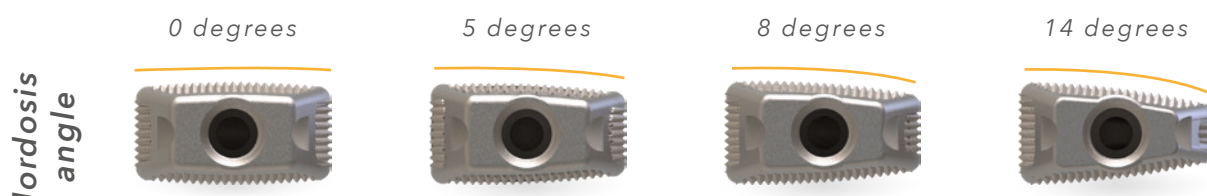
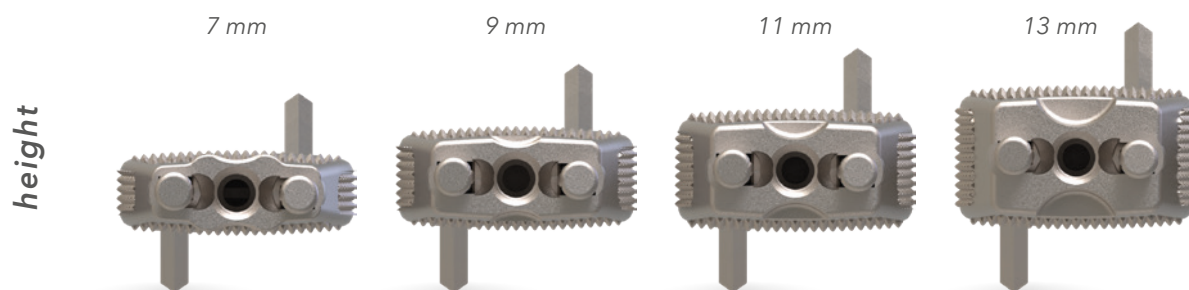
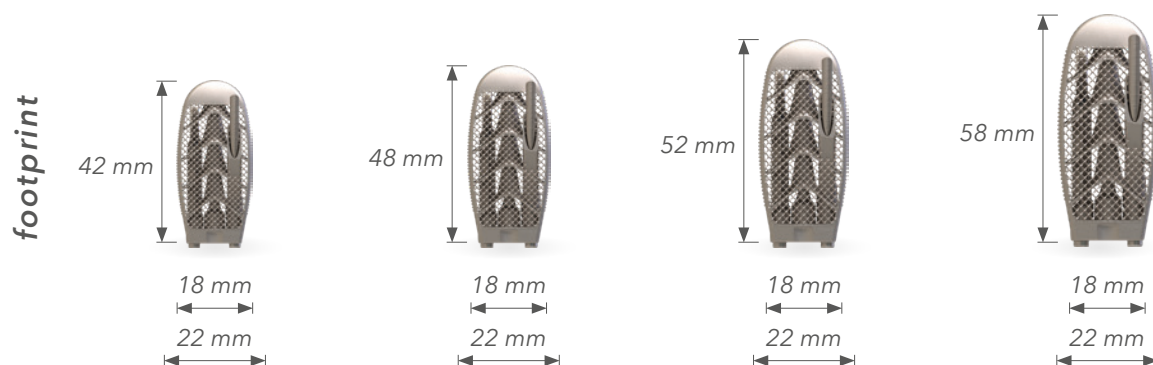
The elasticity modulus of the implant is similar to PEEK alternatives and close to natural bone characteristics, which is the key success factor of bone in-growth. Secondary fixation is supported by fast and effective osteointegration.

Wide Variety of Dimensions

The design concept of 3D printed DLIF cage is made to meet well experienced surgeons' requirements.

CFP offers implants in a wide range of footprints, heights, and lordosis angles, providing just one system matching patients' natural anatomy and surgeons' preferences.

CFP offers eight footprints and four heights with four possible lordosis angles, as outlined below.



Bone InGrowth Technology®

3D printed DLIF cage, has a unique net structure and a semi-open internal design, which allows a large volume of new bone colonisation.

Both the pore size of the net structure and the surface roughness of the implant edges meet with the ideal dimensions to facilitate fast and effective osteointegration, as described in scientific publications.

Elasticity of the 3D printed titanium geometry facilitates fast new bone formation and offers an excellent platform for Bone Ingrowth.

When surgeons deem necessary to add an additional bone growth accelerator, CFP's Universal Filling System supports the bone substitute filling procedure, either at pre-implantation or post-implantation stage of the surgical procedure, in an effective way.

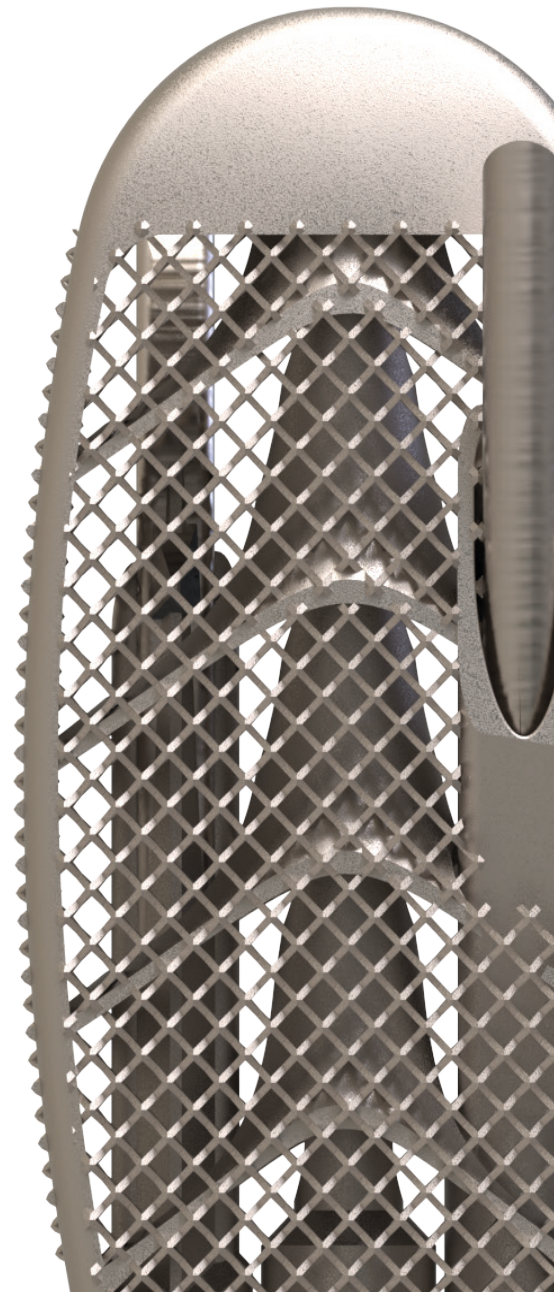
Additional Built-in Fixation

Built-in pins contribute to further enhance primary fixation, as already guaranteed by the excellent stability provided by the "net" structure.

By using pins instead of screws as an additional fixation feature, there is no extra material on the implant required to secure the fixation mechanism. Thus, the elasticity features of the implant are not compromised, allowing for bone in-growth.

The diagonal position of the pins secures rotation stability. DLIF is manufactured in one production step, thanks to the additive manufacturing technology used.

No additional instruments are required for implantation: the pins are extracted and locked into the implant by a feature on the amended original DLIF implant inserter. It is possible to retract the pins, when needed.



Product Reference Codes

Ref. Code	Ref. Code	Dimensions	Ref. Code	Ref. Code	Dimensions
TILF4218-**00	ACXJ4218**00	Footprint Size 42x18mm - Angle 0° Range of Heights [mm] 07,09,11,13	TILF4222-**00	ACXJ4222**00	Footprint Size 42x22mm - Angle 0° Range of Heights [mm] 07,09,11,13
TILF4218-**05	ACXJ4218**05	Footprint Size 42x18mm - Angle 5° Range of Heights [mm] 07,09,11,13	TILF4222-**05	ACXJ4222**05	Footprint Size 42x22mm - Angle 5° Range of Heights [mm] 07,09,11,13
TILF4218-**08	ACXJ4218**08	Footprint Size 42x18mm - Angle 8° Range of Heights [mm] 09,11,13	TILF4222-**08	ACXJ4222**08	Footprint Size 42x22mm - Angle 8° Range of Heights [mm] 09,11,13
TILF4218-**14	ACXJ4218**14	Footprint Size 42x18mm - Angle 14° Range of Heights [mm] 09,11,13	TILF4222-**14	ACXJ4222**14	Footprint Size 42x22mm - Angle 14° Range of Heights [mm] 09,11,13
TILF4818-**00	ACXJ4818**00	Footprint Size 48x18mm - Angle 0° Range of Heights [mm] 07,09,11,13	TILF4822-**00	ACXJ4822**00	Footprint Size 48x22mm - Angle 0° Range of Heights [mm] 07,09,11,13
TILF4818-**05	ACXJ4818**05	Footprint Size 48x18mm - Angle 5° Range of Heights [mm] 07,09,11,13	TILF4822-**05	ACXJ4822**05	Footprint Size 48x22mm - Angle 5° Range of Heights [mm] 07,09,11,13
TILF4818-**08	ACXJ4818**08	Footprint Size 48x18mm - Angle 8° Range of Heights [mm] 09,11,13	TILF4822-**08	ACXJ4822**08	Footprint Size 48x22mm - Angle 8° Range of Heights [mm] 09,11,13
TILF4818-**14	ACXJ4818**14	Footprint Size 48x18mm - Angle 14° Range of Heights [mm] 09,11,13	TILF4822-**14	ACXJ4822**14	Footprint Size 48x22mm - Angle 14° Range of Heights [mm] 09,11,13
TILF5218-**00	ACXJ5218**00	Footprint Size 52x18mm - Angle 0° Range of Heights [mm] 07,09,11,13	TILF5222-**00	ACXJ5222**00	Footprint Size 52x22mm - Angle 0° Range of Heights [mm] 07,09,11,13
TILF5218-**05	ACXJ5218**05	Footprint Size 52x18mm - Angle 5° Range of Heights [mm] 07,09,11,13	TILF5222-**05	ACXJ5222**05	Footprint Size 52x22mm - Angle 5° Range of Heights [mm] 07,09,11,13
TILF5218-**08	ACXJ5218**08	Footprint Size 52x18mm - Angle 8° Range of Heights [mm] 09,11,13	TILF5222-**08	ACXJ5222**08	Footprint Size 52x22mm - Angle 8° Range of Heights [mm] 09,11,13
TILF5218-**14	ACXJ5218**14	Footprint Size 52x18mm - Angle 14° Range of Heights [mm] 09,11,13	TILF5222-**14	ACXJ5222**14	Footprint Size 52x22mm - Angle 14° Range of Heights [mm] 09,11,13
TILF5818-**00	ACXJ5818**00	Footprint Size 58x18mm - Angle 0° Range of Heights [mm] 07,09,11,13	TILF5822-**00	ACXJ5822**00	Footprint Size 58x22mm - Angle 0° Range of Heights [mm] 07,09,11,13
TILF5818-**05	ACXJ5818**05	Footprint Size 58x18mm - Angle 5° Range of Heights [mm] 07,09,11,13	TILF5822-**05	ACXJ5822**05	Footprint Size 58x22mm - Angle 5° Range of Heights [mm] 07,09,11,13
TILF5818-**08	ACXJ5818**08	Footprint Size 58x18mm - Angle 8° Range of Heights [mm] 09,11,13	TILF5822-**08	ACXJ5822**08	Footprint Size 58x22mm - Angle 8° Range of Heights [mm] 09,11,13
TILF5818-**14	ACXJ5818**14	Footprint Size 58x18mm - Angle 14° Range of Heights [mm] 09,11,13	TILF5822-**14	ACXJ5822**14	Footprint Size 58x22mm - Angle 14° Range of Heights [mm] 09,11,13

** Choose preferred height and use it instead of the asterisks to get the final reference.



Made in Italy



Tsunami Medical S.r.l.

Reg. Offices: via E. Giorgi n. 27 - 41124 Modena (MO) Italy

Production & Administrative Site: Via XXV Aprile n. 22 - 41037 Mirandola (MO) Italy

Tel. +39.0535.38397 - Fax. +39.0535.38399

www.tsunamimedical.com - info@tsunamimed.com

UNI CEI EN ISO 13485

BR_STROMBOLI-J_REV6_20250627