



# 3D TIBIAL CONES



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# 3DMetal Tibial Cones

## *Design Specification*

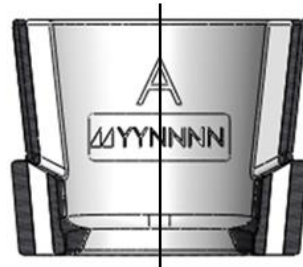
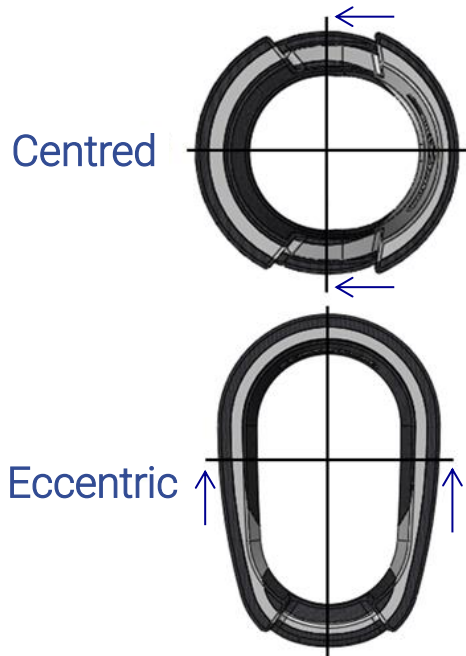
### **3D Metal** TIBIAL CONES



- ▶ Material: Ti6Al4V (ISO 5832-3)
- ▶ Technology: Electron Beam Melting (EBM)
- ▶ Porosity: 78%
- ▶ Pore size: 850  $\mu\text{m}$
- ▶ Very high scratch-fit feel for improved primary stability

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## *Design Specification*

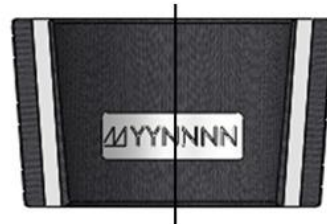


### ► 3-layered design:

- Cemented fixation to tibial tray.
- Full density Ti6Al4V mid-layer to avoid pores occlusion by cement.
- External surface in direct contact with the remaining patient bone.

### ► Positioning freedom:

- Rotational freedom of  $\pm 10^\circ$  to better fill the defect, without any impingement with the tibial keel.
- Antero-Posterior and Medio-Lateral freedom with respect to the tibial keel for an asymmetric coverage.

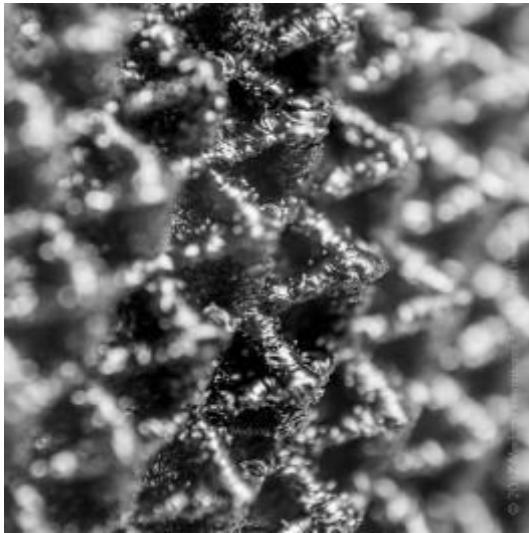




# 3DMetal Tibial Cones

## *Technology*

# 3D Metal



- ▶ **3DMetal:** three-dimensional advanced biomaterial, based on 3D printing technology of the proven Ti6Al4V alloy that enables direct structural connection with the bone. The architecture of the outer surfaces consist of interconnecting pores and resembles cancellous bone.
- ▶ **3DMetal Tibial Cones:** structural support in areas of tibial bone deficiencies that may compromise implant fixation.

# 3DMetal Tibial Cones

## Sizes & Dimensions

### 3DMetal TIBIAL CONES

▶ Centred and Eccentric options

▶ Sizes and heights:

▶ Centred: 4 sizes, 2 heights

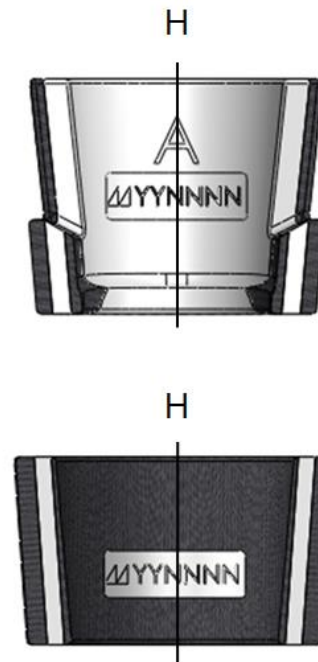
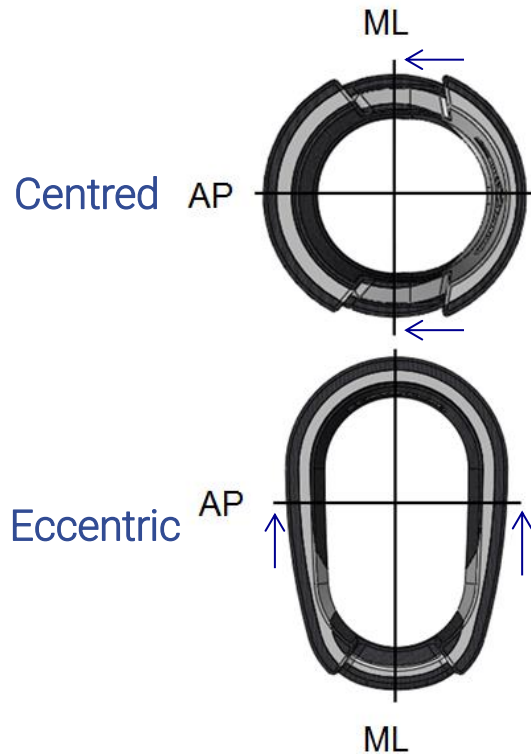
▶ Eccentric: 3 sizes, 2 heights



Type	Size	Reference number	
		20 mm	25 mm
Centred	Extra Small	02.07.CXS20	02.07.CXS25
	Small	02.07.CS20	02.07.CS25
	Medium	n.a.	02.07.CM25
	Large	n.a.	02.07.CL25
Eccentric	Small	02.07.ES20	02.07.ES25
	Medium	n.a.	02.07.EM25
	Large	n.a.	02.07.EL25

# 3DMetal Tibial Cones

## Sizes & Dimensions



Type	Size	H	ML	AP
Centred	Extra Small	20, 25	34	34
	Small	20, 25	43	34
	Medium	25	55	38
	Large	25	67	43
Eccentric	Small	20, 25	52	34
	Medium	25	59	38
	Large	25	67	43



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IN ORTHOPAEDICS  
AND NEUROSURGERY**

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