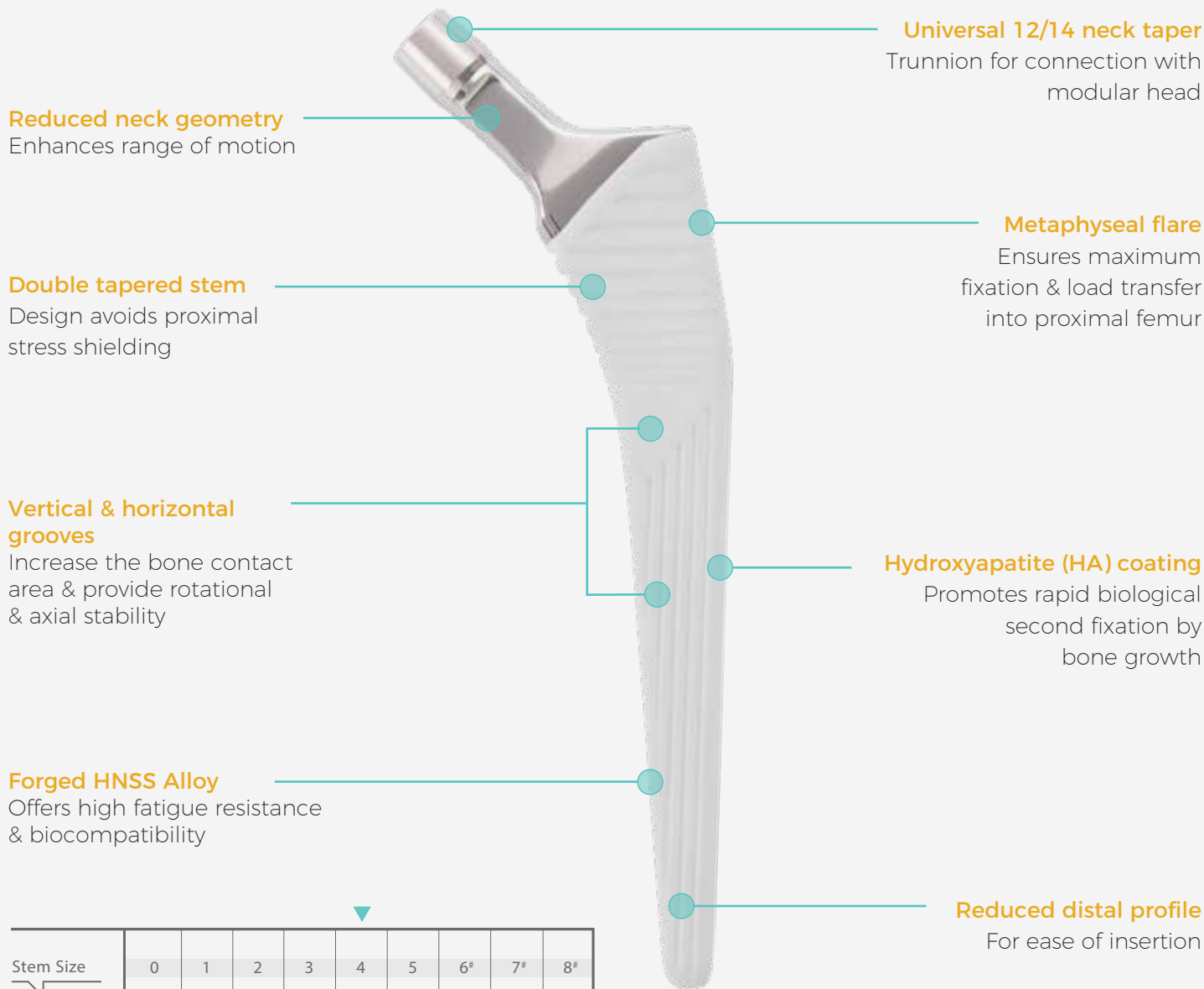


AVATAR NX
UNCEMENTED HIP SYSTEM

Designed to accurately restore joint biomechanics & address the demand for bone conservation



Reduced neck geometry
Enhances range of motion

Double tapered stem
Design avoids proximal stress shielding

Vertical & horizontal grooves
Increase the bone contact area & provide rotational & axial stability

Forged HNSS Alloy
Offers high fatigue resistance & biocompatibility

Universal 12/14 neck taper
Trunnion for connection with modular head

Metaphyseal flare
Ensures maximum fixation & load transfer into proximal femur

Hydroxyapatite (HA) coating
Promotes rapid biological second fixation by bone growth

Reduced distal profile
For ease of insertion

Stem Size	0	1	2	3	4	5	6 [#]	7 [#]	8 [#]
Length	115	130	140	146	150	154	161	166	170
Head Offset	38	39	39	41	41	42	42	43	44
Neck Length	38.5								
Neck Angle	135°								

Stem length, head offset & neck length in mm

* Note: head offset mentioned is for sizes (mm): 28, 32, 36 (0)
Will be available on request

Designed for cemented implantation



Universal 12/14 neck taper
Trunnion for connection with modular head

Collarless neck
Allows intra-operative leg length adjustments

Easy to use efficient instruments
Designed to enhance clinical outcome

Highly polished double tapered design
Helps to create radial comprehensive loading

Forged HNSS Alloy
Offers high fatigue resistance & biocompatibility

Stem Size	1	2	3	4	5
Length (A)	130	140	146	150	154
Head Offset (B)	39	39	41	41	42
Neck Length (C)	38.5				
Neck Angle (D)	135°				

Innovative, hollow UHMWPE centralizer
Designed to allow stem to engage distally within the cement mantle, subjecting the cement to comprehensive loading and reducing end bearing of the stem directly on to the cement

Reduced distal profile
For ease of insertion



Bipolar head

UHMWPE liners
Helps to reduce wear

Pre-assembled monoblock construct
Prevents micro-motion & allows intra-operative ease of use

Femoral head
28 mm (-4, 0, +4, +8)
22.2 mm (-2.5,0,+2.5)

Highly polished SS outer shell
Designed to reduce friction

Multiple neck length head options
To optimally restore joint biomechanics intra-op

Easy to use efficient instruments
Designed to enhance efficiency

Internal head sizes (mm)
For OD: 37 - 43 = 22.2 (-2.5,0,+2.5)
For OD: 45 - 53 = 28 (-4, 0, +4)
(2mm Increments In OD)

Self-centering design

* Note: all 12/14 heads available in the bioradmedisys portfolio are compatible with the Avatar NX uncemented and cemented stems.