

Royal Standard of Stability

WHERE INNOVATION MEETS EXCELLENCE

Highness Implant Fixture Surface Feature

Highness
HSN
Hydrophilic Nano Fixture

Sand Blasting Large Grit Acid Etching : SLA

The SLA surface is a technique that utilizes injection treatment by abrasive materials with large particle diameters that produce micro-roughness on the titanium surface, and achieves optimal roughness through acid corrosion. As osteoblasts in the blood grow in this roughly formed uniform surface structure, bone adhesion between the implant and the bone accelerates, increasing fixation and stability.

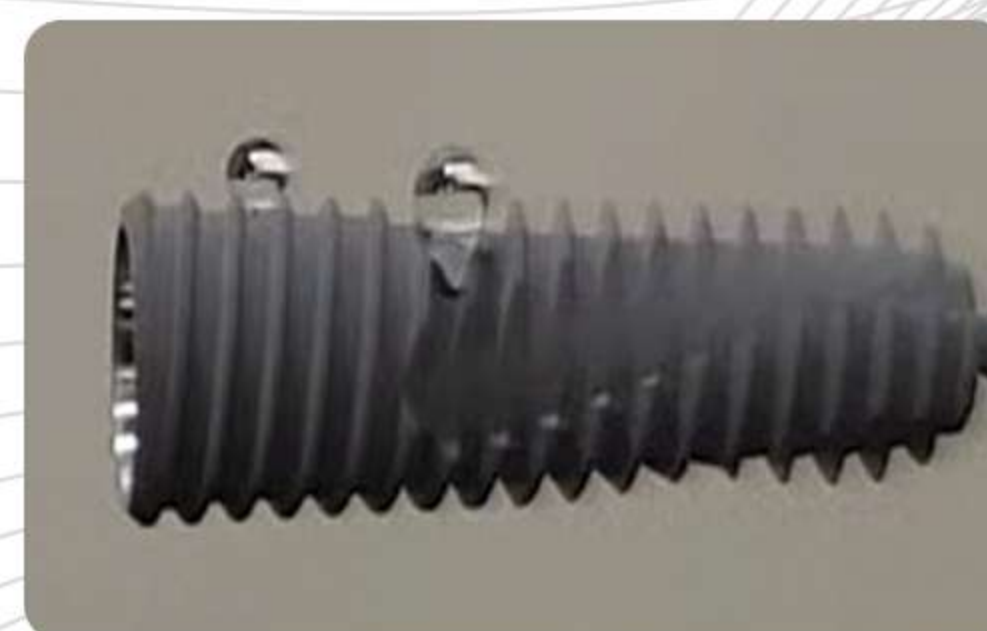
Hierarchical Nano-Micro : HMN (Ultra SLA - Active)

HMN surfaces achieve surface roughness mixed with nanoscale and microscale by alkaline cleaning on roughened titanium surfaces after Sand Blasting Large grit Acid etching (SLA). On HMN surfaces, micro-scale structures play an important role in increasing the initial cell adhesion rate, and nanoscale structures play an important role in increasing the cell growth rate after initial cell adhesion. This structure increases fixation and stability by accelerating bone adhesion and growth between implants and bones.

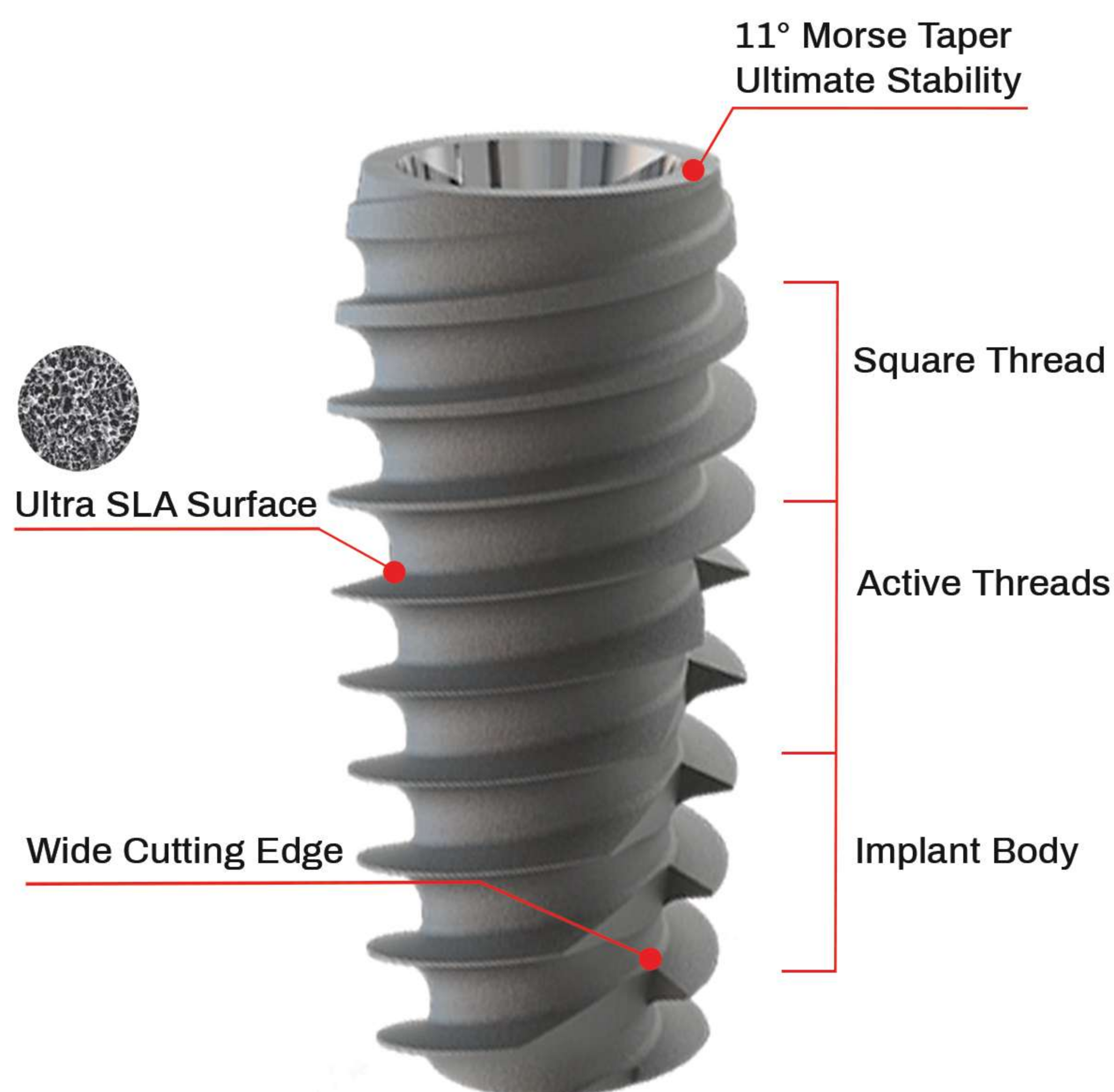
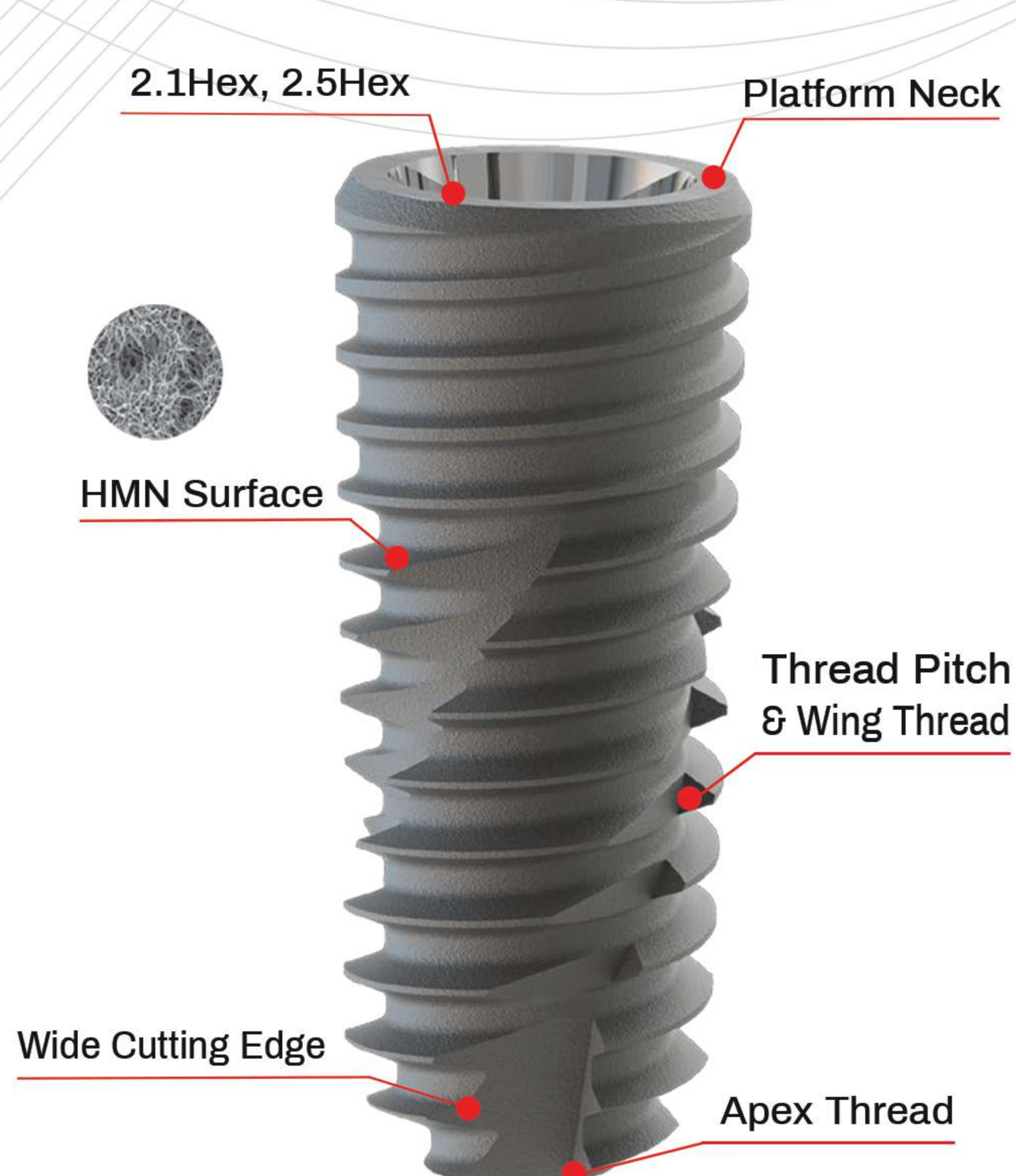
Hydrophilic Test



HSN
Fixture



SLA
Fixture



Apex Thread

Bottom Three-Dimensional Rounding Design
Stable grandeur is possible during maxillary prosthesis

Highness Implant



HS-I

Features a stable Hex connection with an 11° Morse Taper design for strong shear resistance and high primary stability. The tapered body ensures efficient load distribution with lower torque and easy handling of angled abutments. Recommended torque: 35 N·cm.



HS-VII

Root Type fixture with a stable Hex connection and 11° Morse Taper for superior stability and shear resistance. The tapered body and sharp threads maximize primary stability and insertion efficiency with optimal load distribution using lower torque. Recommended torque: 35 N·cm.

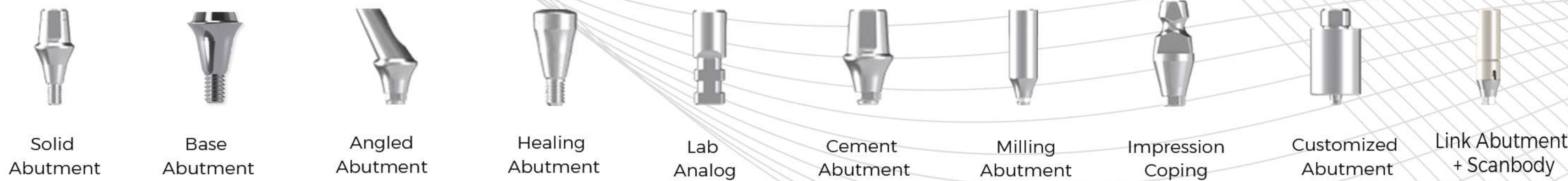
Mini Fixture (Hex 2.1)

Diameter/D(ø)	Length/L(mm)
Ø 3.0 Ø 3.5	8.5
	10.0
	11.5
	13.0
	15.0

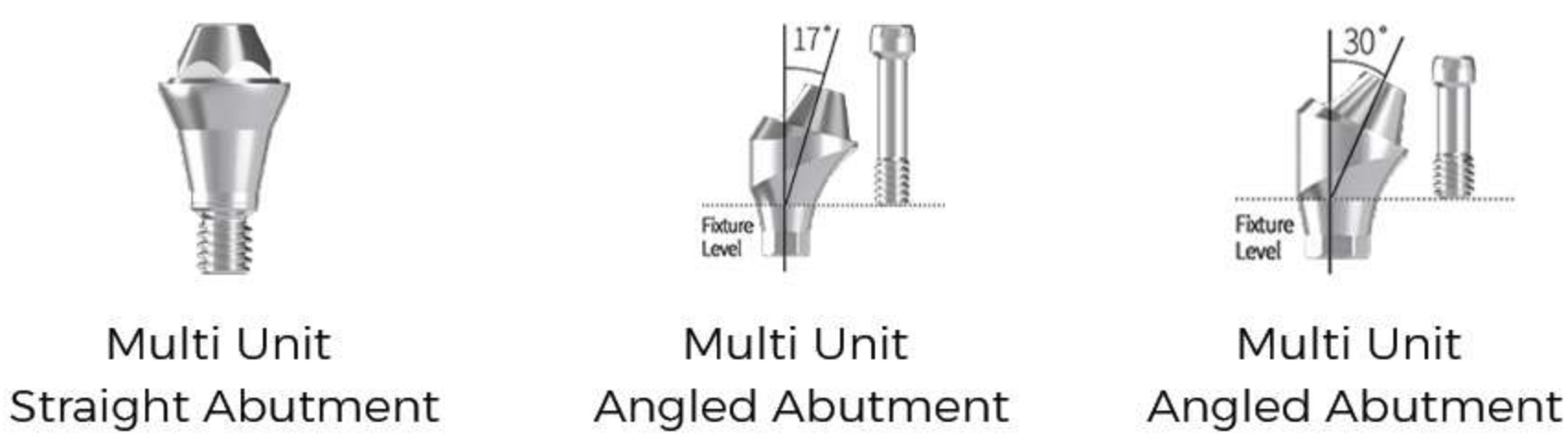
Regular Fixture (Hex 2.5)

Diameter/D(ø)	Length/L(mm)
Ø 3.8 Ø 4.0 Ø 4.5 Ø 5.0 Ø 5.5 Ø 6.0	7.0
	8.5
	10.0
	11.5
	13.0
	15.0

Prosthetic Accessories



Digital System



Surgical Kit

Highness HS-VII Kit

Recommend Torque :

Implant → Proper Torque 35 N cm

Abutment → Proper Torque 30 N cm

MUA Abutment

Tightening Torque :

Straight Abutment → 30Ncm(mini/regular)

Angled Abutment → Mini 20 Ncm, Regular 30Ncm



Micro-rough Surface
for Superior Osseointegration

highness

Implant System

HSN-VII



HSN-I



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