



SORATH ORTHO

A DIVISION OF SIGMA SURGICAL

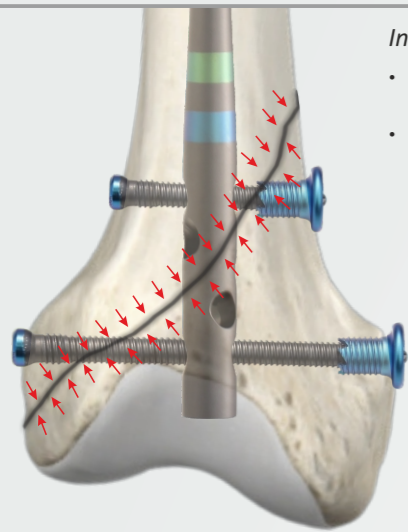
HYPER DEN MARC 2

2nd Generation Distal Femoral Nail



ISO 13485

www.sorathortho.co.in



Interfragmentary compression

- Both Latero-Medial Interlocking screws with locking nut mechanism helps in condylar fracture fixation and makes compression easier.
- Both Oblique Interlocking screws helps in lateral and medial condyle fracture fixation.

Proximal Locking

- Two Proximal Locking holes in Latero-medial direction, designed to facilitate free hand locking.
- Dynamic compression locking slot provide option for Natural axial compression during weight bearing activities.



Intuitive Implants & Instruments

- Specific color coding rings on the nail neck indicate interlocking screw selection in proximal and distal holes.
- Similar color coding rings are marked on trocar, drill sleeve, and protection sleeve instruments for specific screw insertion.
- Sky blue color indicates the use of 6.0 mm interlocking screw implants and instruments, while green color indicates the use of 5.0 mm interlocking screws.
- Ergonomic handles for better control during implant placement.
- Flexible and curved instruments facilitate the clinical approach.
- Streamlined, simplified technique with no extra steps.



End Cap for Nail

- Self-retaining T30 Star-Drive Recess for easy pick up and insertion of end cap.
- Green end caps securely lock the most proximal oblique locking screw, creating a fixed-angle construct.
- Four different length end caps (0mm, 5mm, 10mm, 15mm) for easier nail removal and prevention of soft tissue ingrowth.



Secure Fixation

Utilizing a star-drive mechanism to ensure maximum torque transmission and improved self-containment.

Threaded Interlocking Screw Head Recess

for secure attachment with cannulated screwdriver using Screw holding shaft.

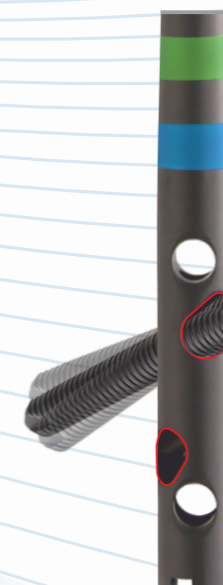
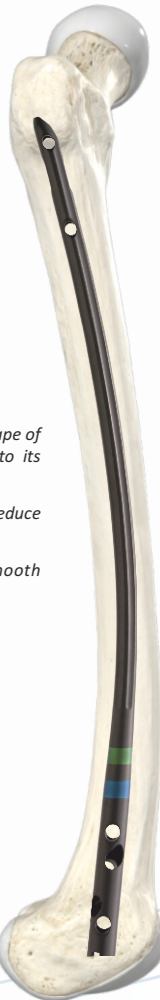
Tri-Plane Distal Locking System

- Tri-plane cross-locking fixation with interlocking screws provides optimal stability.
- Four distal locking holes offer more options for managing complex distal femoral fractures



Anatomically Optimized Nail

- The nail's anatomic contour replicates the natural shape of the femur, aiding surgeons in restoring the bone to its original form.
- Larger diameter nails incorporate a fluted design to reduce stiffness and ensure easy insertion.
- Anterior bevel tip are designed to facilitate smooth navigation through the medullary canal.
- Universal nail for both left and right femur bones



Unique Distal Capsule Holes

- offers three oblique locking directions, providing surgeons unparalleled versatility in fracture management. with precise angle adjustments, surgeons can achieve optimal alignment and stability.
- This feature becomes even more valuable in the presence of Periprosthetic implants, enabling surgeons to customize treatments to individual patient needs.

10°
10°



Advanced Bone Fixation Screw

- Features a double-lead thread design for increased stability and simplified insertion.
- Proximal thread closer to screwhead ensures superior bone purchase, enhancing overall stability during fixation proximal compression hole for enhanced stability and proper bone healing.



9 mm Nail Dia
(round)

10,11 mm Nail Dia
(fluted)

Hyper DFN Marc 2

- 160 - 240 mm (40 mm variation in size), 300 - 420 mm (20 mm variation in size)
- 9 mm E16804160 to E16804420 (Ti) E16801160 to E16801420 (SS)
 - 10 mm E16904160 to E16904420 (Ti) E16901160 to E16901420 (SS)
 - 11 mm E17004160 to E17004420 (Ti) E17001160 to E17001420 (SS)



Interlocking Bone Screw Dia. 5.0 mm

- 28 - 50 mm (2 mm Variation in size), 55 - 80 mm (5 mm Variation in Size)
A21004028 to A21004080 (Ti) A21001028 to A21001080 (SS)



Interlocking Bone Screw Dia. 6.0 mm

- 45 - 100 mm (5 mm Variation in size)
A28004045 to A28004100 (Ti) A28001045 to A28001100 (SS)



End Cap for Hyper DFN Marc 2

- 00 - 15 mm (5 mm Variation in size)
E16304000 to E16304015 (Ti) E16301000 to E16301015 (SS)



Lock Nut for Hyper DFN Marc 2

- 15 mm
A28104015 (Ti) A28101015 (SS)

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 * The information in the Catalogue is valid as of March 2024 Designs and specifications are subject to be changed without notice.
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 * Sigma Surgical is not responsible for differences between the information in the Catalogue and the actual implants.

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