

Product Information

Nail

REF. NO.(Left)	REF. NO.(Right)	Spec.
075451160	075452160	Φ7.0×160mm
075451180	075452180	Φ7.0×180mm
075451195	075452195	Φ7.0×195mm
075451210	075452210	Φ7.0×210mm
075451225	075452225	Φ7.0×225mm
075451240	075452240	Φ7.0×240mm
075451255	075452255	Φ7.0×255mm
075451270	075452270	Φ7.0×270mm
075451285	075452285	Φ7.0×285mm
075461160	075462160	Φ8.0×160mm
075461180	075462180	Φ8.0×180mm
075461195	075462195	Φ8.0×195mm
075461210	075462210	Φ8.0×210mm
075461225	075462225	Φ8.0×225mm
075461240	075462240	Φ8.0×240mm
075461255	075462255	Φ8.0×255mm
075461270	075462270	Φ8.0×270mm
075461285	075462285	Φ8.0×285mm
075471160	075472160	Φ9.0×160mm
075471180	075472180	Φ9.0×180mm
075471195	075472195	Φ9.0×195mm
075471210	075472210	Φ9.0×210mm
075471225	075472225	Φ9.0×225mm
075471240	075472240	Φ9.0×240mm
075471255	075472255	Φ9.0×255mm
075471270	075472270	Φ9.0×270mm
075471285	075472285	Φ9.0×285mm

3.5mm Locking Screw

REF. NO.	Length (mm)
040530010-040530060	10-60 (2mm increments)
040530065-040530095	65-95 (5mm increments)

4.0mm Locking Screw for Universal Tibial Nail II

REF. NO.	Length (mm)
071250018-071250066	18-66 (2mm increments)

4.5mm Locking Screw for Advanced Humeral Nail

REF. NO.	Length (mm)
075484520-075484560	20-60 (2mm increments)

End Cap

REF. NO.	Length
075600000	0mm
075600002	2mm
075600005	5mm
075600010	10mm

Advanced Humeral Nail



Nail

- Straight nail design for central insertion point:
- Improved anchorage in strong subchondral bone.
- Potentially avoiding insertion through fracture site in typical 3-part fractures.
- Preservation of hypovascular supraspinatus footprint.
- Right and left cannulated nails, diameters 7.0, 8.0 and 9.0 mm.

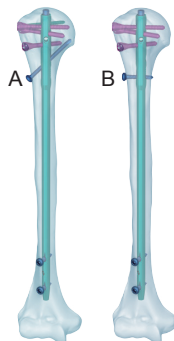
A: Ascending screw

The ascending screw supports the medial calcar region which can be helpful in medially comminuted fractures.

B: Compression screw

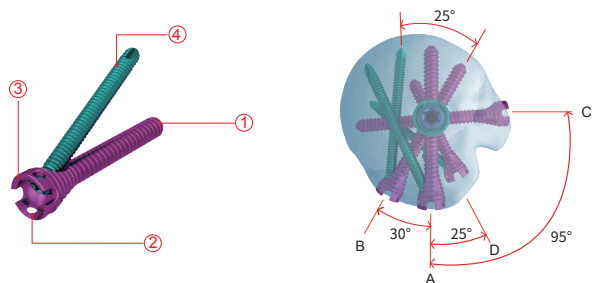
For transverse or short oblique fractures, a transverse locking screw can be used to pressurize the end of the fracture.

Ascending screw and compression screw should not be used together.



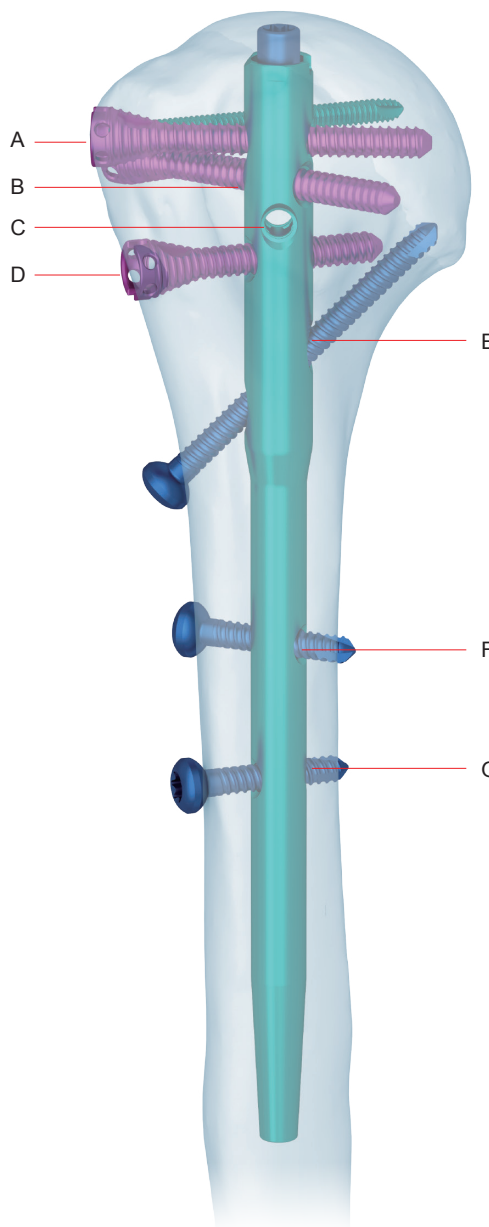
4.5mm Locking screws

1. Blunt screw tip to minimize the risk of secondary screw perforation.
2. 4 suture holes per screw for reliable attachment of the rotator cuff muscles.
3. Countersunk screw head to reduce implant prominence.
4. Optional secondary 3.5 mm locking screws(screw-in-screw)for improved stability, especially in poor bone quality, i.e. osteoporosis.
5. The 3.5 mm locking screws provide support for the posteromedial region where the strongest bone mineral density(BMD)is found.



Warning

This flyer is just for understanding the specific product features. For clinical usage, please refer to the surgical guide. Instruction by experienced surgeon is highly recommended.



Proximal locking: holes A to D

The three lateral screws(greater tuberosity, holes A, B, and D)must be used in any fracture situation as they ensure the basic stability of the construct.

Screw type: ϕ 4.5 mm locking screw(bright carmine).

The anterior screw(minor tuberosity, hole C)

Increases the stability of the construct. It may be used in fractures with a minor tuberosity fragment if the fragment is large enough to accommodate the screw head. Do not insert a 3.5 mm locking screw in this location.

Screw type: ϕ 4.5 mm locking screw(bright carmine).

Additional locking screws(greater tuberosity, holes A, B, and D)

may be inserted through the screw heads of the lateral screws to increase stability of the osteosynthesis. These additional screws may be especially useful in poor bone quality, i.e. osteoporosis.

Screw type(optional): ϕ 3.5 mm locking screw(bright green).

Ascending screw: hole E

The ascending screw supports the medial calcar region which can be helpful in medially comminuted fractures.

Screw type: ϕ 4.0 mm Locking screw(bright blue).

Distal locking: holes F and G

The two distal locking screws are located in different planes to reduce implant toggling in the humeral canal.

Screw type: ϕ 4.0 mm Locking screw(bright blue).

Distal locking screw

Three distal locking screws are located on different planes, reducing the rotation of the main nail and increasing the stability of the fixation. The locking plane is located at a 25 degree angle between the front and back of the main nail and the side inclination direction.

Screw type: ϕ 4.0 mm locking screw(bright blue).

Indications

- Fracture of humerus

Contraindications

- General or local infection, osteomyelitis
- Patient can ' t tolerate operation or anesthesia because of poor health
- ORIF will lead to local infection or skin necrosis because of poor local soft tissue
- Severe osteoporosis
- Open fracture, obvious contamination.



4.5mm Locking Screw



4.0mm Locking Screw



3.5mm Locking Screw