

Advanced Humeral Nail

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

2.1. Tiesi kaniuliuota žastikaulio vinis

Advanced Humeral Nail



2.14

2.13.7 - 2.15 4. Sraigtai
suderinami su žastikaulio vinimi

2.15

2.13

2.3. Proksimaliniame vinies gale 4 kiaurymės su sriegiu, išdėstyty skirtingose plokštumose 4,5 mm dvigubiams („screw-in-screw“) sraigtams ir viena ovali kompresinė kiaurymė, esanti arčiausiai vinies vidurio;

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.

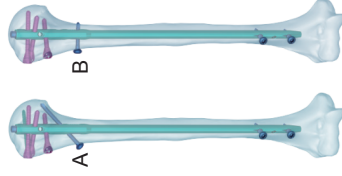
A: Ascending screw

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.

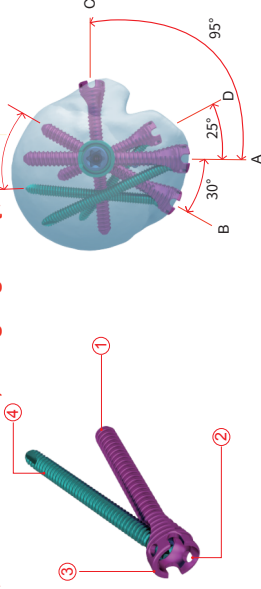


2.13.1 Ø4,5 mm dvigubi sraigtai

4.5mm Locking screws 2.13.4. Distalinis sraigto galas bukas

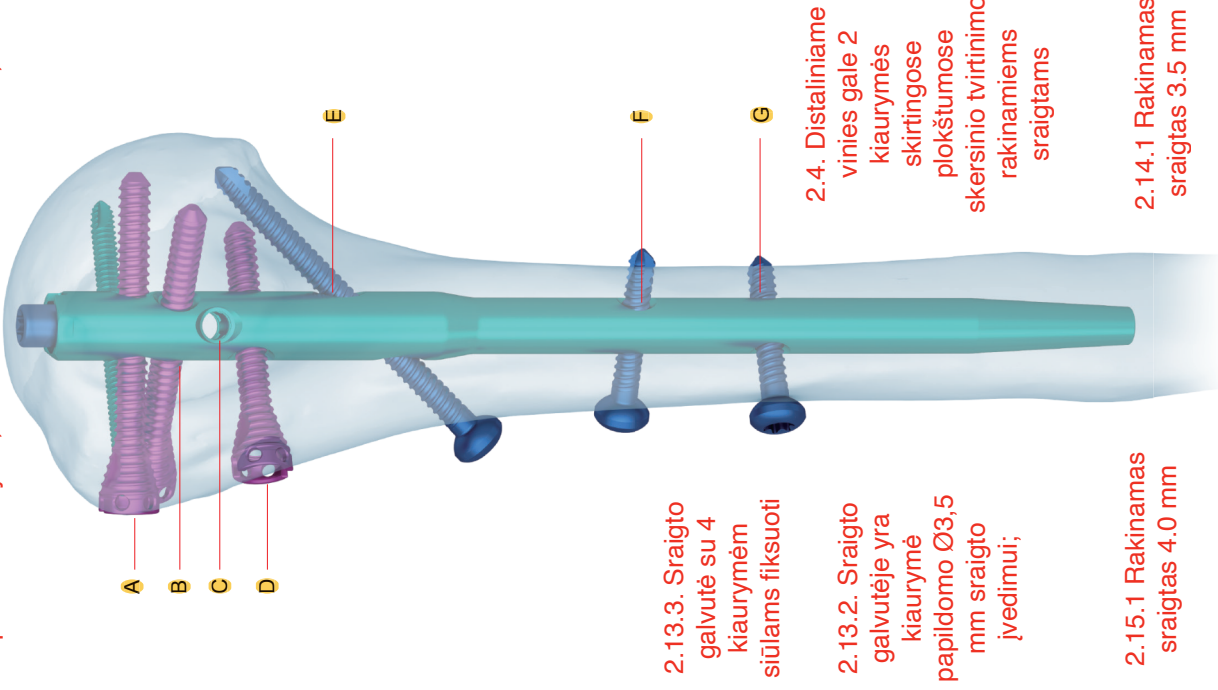
1. Blunt screw tip to minimize the risk of secondary screw perforation.
2. 4 suture holes per screw for reliable attachment of the rotator cuff muscles.
3. Countersunk screw head to reduce implant prominence.
4. Optional secondary 3.5 mm locking screws(screw-in-screw) for improved stability, especially 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.

2.14.2. Sukami per Ø4,5 mm dvigubo („screw-in-screw“) sraigto galvutę;



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.



2.13.3. Sraigto galvutė su 4 kiaurymėm siūlams fiksuoti

2.13.2. Sraigto galvutėje yra papildomo Ø3,5 mm sraigto įvedimui;

2.15.1 Rakinamas sraigtas 4.0 mm

2.5. Skirtingo skersmens sraigtai - skirtingų spalvų



2.4. Distaliniamė vinies gale 2 kiaurymės skirtingose plokštumose skersinio tvirtinimo rakinamiems sraigtams

2.14.1 Rakinamas sraigtas 3.5 mm

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: Ø4.5 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: Ø4.5 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): Ø3.5 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: Ø4.0 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: Ø4.0 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: Ø4.0 mm locking screw(bright blue).

Indications

Short Nail (160/180mm)

- 2-part surgical neck fractures
- 3-part fractures
- 4-part fractures

Long Nail(195-285/15mm)

- Humerus shaft fracture
- Fractures of proximal humerus extended to shaft
- Fractures of proximal humerus combined with shaft