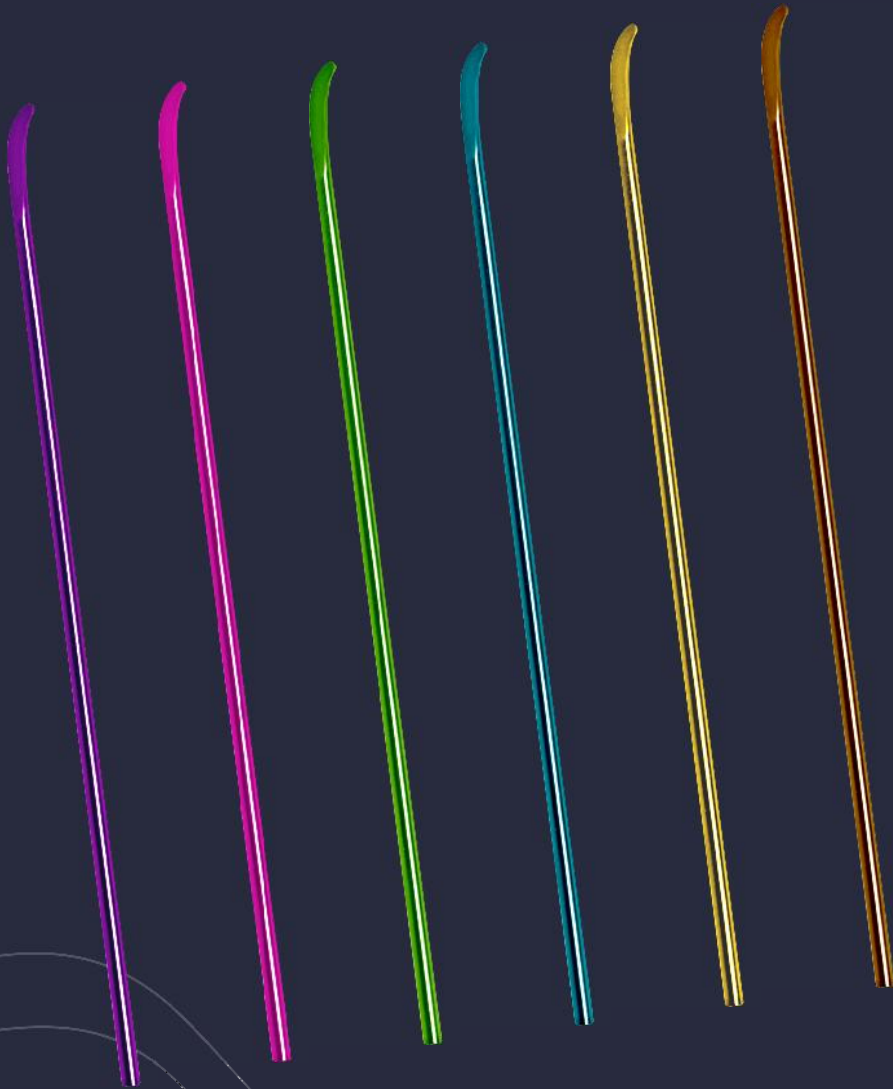


Auxein

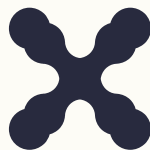
ELASTIC NAILING SYSTEM



NEXT-LEVEL CARE

ABOUT US

Auxein Medical is an integrated, research based, orthopaedic implants & instruments manufacturing company, producing a wide range of quality, affordable generic implants, trusted by healthcare professionals and patients across geographies. It is the Company's constant endeavour to provide a wide basket of generic and our innovator products that exceed the highest expectations of customers in term of quality and safety. The company has world-class manufacturing unit established in India and serves customers in over 75 countries worldwide.



IMPACTING HEALTHCARE GLOBALLY

Our Reach & Influence

500+

Employees Worldwide

75+

Operations in Countries

150+

Distributors Worldwide

20^{M+}

Patients Cured

200+

FDA Approved Products

250+

Machines Worldwide

3000+

Innovative Orthopedic
Products & Solutions

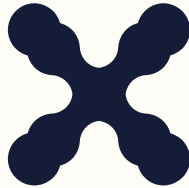
Auxin is dedicated to advancing medical technology through innovative orthopedic solutions, including **Trauma, Arthroscopy, and Reconstructive Procedures**, with a commitment to improving patient outcomes worldwide. Our approach integrates advanced research, precision engineering, and high-quality manufacturing to develop reliable implants and surgical instruments that address the evolving needs of modern orthopedic practice.

OUR ACHIEVEMENTS



OVER THE YEARS



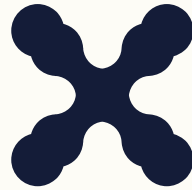


At Auxein, it is our goal to provide the best in class quality and value to every individual. Consistency is a virtue we pursue with a passion. From the procurement of raw materials to the manufacturing of our range of 1200+ orthopaedic implant products, we employ world-class systems and technology at par with the highest standards of globally recognized evaluation systems. The Elastic Nailing System is part of our advanced orthopedic portfolio designed to support versatile fixation techniques in trauma and reconstructive procedures. Developed with input from global experts, the system provides reliable solutions for fixation of fractures, helping achieve stable fixation and accurate anatomical alignment.



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ELASTIC NAILING SYSTEM

Elastic Nailing System

Introduction:

The Elastic Nailing System (ENS) is a minimally invasive intramedullary fixation technique primarily used for pediatric long bone fractures. It uses flexible titanium nails that are inserted into the medullary canal to stabilize fractures while preserving the biology of the bone and growth plates.

Core Concept:

Instead of rigid fixation, elastic nails work on the principle of balanced elastic stability. Two pre-bent nails are inserted from opposite sides of the bone, creating three-point fixation inside the medullary canal. This provides stability while allowing small micro movements that stimulate natural bone healing.

Common Indications:

Elastic nailing is widely used in children and adolescents for fractures such as:

- Femoral shaft fractures.
- Tibial shaft fractures.
- Humeral shaft fractures.
- Forearm fractures (radius and ulna).
- Selected clavicle fractures.

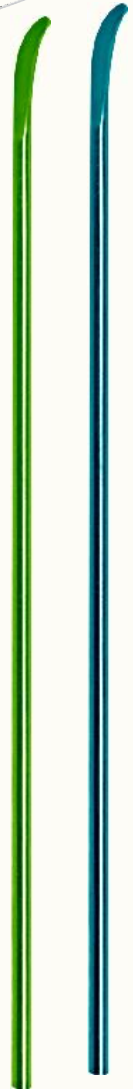
It is most effective in pediatric patients with open growth plates and diaphyseal fractures.

Key Features:

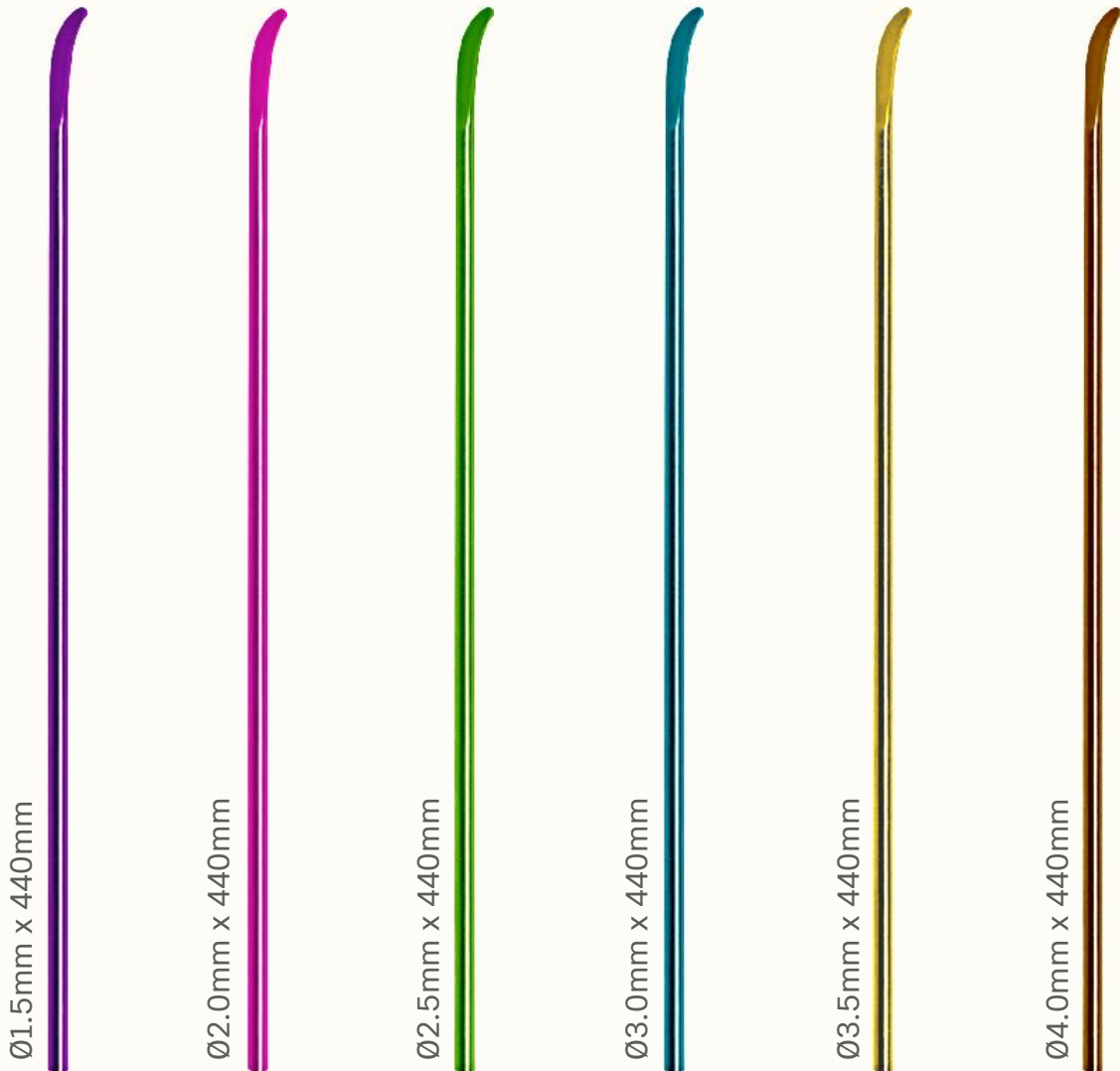
- Minimally invasive technique with small entry points.
- Flexible titanium nails that adapt to the natural curvature of the bone.
- Preserves periosteal blood supply and fracture hematoma.
- Growth plate friendly (does not disturb physes).

Principle of Stability:

- The stability of elastic nails comes from:
 - Symmetrical nail insertion.
 - Pre-bent nail shape.
 - Three-point fixation inside the canal.
 - Balanced opposing forces from two nails.
 - This creates an internal splinting effect, maintaining alignment while allowing controlled elasticity.



Titanium Elastic Nail



STERILE

Size	Length	Code
Ø1.5mm	440mm	412-1.5-044
Ø2.0mm	440mm	412-2.0-044
Ø2.5mm	440mm	412-2.5-044
Ø3.0mm	440mm	412-3.0-044
Ø3.5mm	440mm	412-3.5-044
Ø4.0mm	440mm	412-4.0-044

Size	Length	Code
Ø1.5mm	440mm	412-1.5-044-S
Ø2.0mm	440mm	412-2.0-044-S
Ø2.5mm	440mm	412-2.5-044-S
Ø3.0mm	440mm	412-3.0-044-S
Ø3.5mm	440mm	412-3.5-044-S
Ø4.0mm	440mm	412-4.0-044-S



End Cap for Titanium Elastic Nail



Size	Code
Ø3.0mm-4.0mm	412E-1C
Ø1.5mm-2.5mm	412E-2C



STERILE

Size	Code
Ø3.0mm-4.0mm	412E-1C-S
Ø1.5mm-2.5mm	412E-2C-S





INSTRUMENTS



7-027-06

Drill Bit Plain Shank/Jacob Chuck End, Ø2.7mm x Length 115mm, for Elastic Nail



7-027-04

Drill Bit Plain Shank/Jacob Chuck End, Ø3.2mm x Length 150mm, for Elastic Nail



7-027-05

Drill Bit Plain Shank/Jacob Chuck End, Ø4.5mm x Length 150mm, for Elastic Nail



3441-01

Impactor for Elastic Nail, Straight



3441-02

Impactor for Elastic Nail, Beveled



3441-03

Insertor for Elastic Nail



3441-04

Awl, Curved, Length 180mm for Clavicular Fractures



3441-06

F-Tool for Reduction - Small, for Elastic Nail



7-027-07

Adjustable Reductor for Elastic Nail



3441-10

Plier for Elastic Nail



7-027-08

Double Drill Guide Ø4.5/3.2mm for Elastic Nail



1243-000

Cutter for Elastic Nail



7-027-03

Rotatable Wrench (For Cutter), for Elastic Nail



3441-11

Hammer for Elastic Nail



3441-12

Sliding Hammer for Elastic Nail



3441-13

Pin Wrench, $\Phi 4.5\text{mm}$, for Elastic Nail



3441-14

Awl for Elastic Nail



7-027-09

Driver for End Cap, for Elastic Nail



7-027-01

Hammer Guide for Elastic Nail



7-027-10

Extraction Rod for Elastic Nail



7-027-02

Triangle Wrench for End Cap, Large, for Elastic Nail



3441-15

Triangle Wrench for End Cap, Small, for Elastic Nail



7-027-11

Pin Wrench



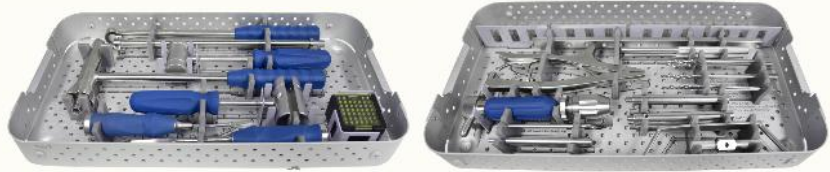
3442-02

Caddy for End Cap, for Elastic Nail



3442-03

Instrument Trays for Elastic Nailing Instrument Set



A10-028

Container For Elastic Nailing Instrument Set



5002-000	Elastic Nailing Instrument Set
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ORDER INFORMATION

5002-000

Elastic Nailing Instrument Set

Code	Set Consisting Of	Units
7-027-06	Drill Bit Plain Shank/Jacob Chuck End, Ø2.7mm x Length 115mm, for Elastic Nail	2
7-027-04	Drill Bit Plain Shank/Jacob Chuck End, Ø3.2mm x Length 150mm, for Elastic Nail	2
7-027-05	Drill Bit Plain Shank/Jacob Chuck End, Ø4.5mm x Length 150mm, for Elastic Nail	2
3441-01	Impactor for Elastic Nail, Straight	1
3441-02	Impactor for Elastic Nail, Beveled	1
3441-03	Insertor for Elastic Nail	1
3441-04	Awl, Curved, Length 180mm for Clavicular Fractures	1
3441-06	F-Tool for Reduction - Small, for Elastic Nail	1
7-027-07	Adjustable Reductor for Elastic Nail	3
3441-10	Plier for Elastic Nail	1
7-027-08	Double Drill Guide Ø4.5/3.2mm for Elastic Nail	1
1243-000	Cutter for Elastic Nail	1
7-027-03	Rotatable Wrench (For Cutter), for Elastic Nail	1
3441-11	Hammer for Elastic Nail	1
3441-12	Sliding Hammer for Elastic Nail	1
3441-13	Pin Wrench, Ø4.5mm, for Elastic Nail	1
3441-14	Awl for Elastic Nail	1
7-027-09	Driver for End Cap, for Elastic Nail	1
7-027-01	Hammer Guide for Elastic Nail	1
7-027-10	Extraction Rod for Elastic Nail	1
7-027-11	Pin Wrench	1
7-027-02	Triangle Wrench for End Cap, Large, for Elastic Nail	1
3441-15	Triangle Wrench for End Cap, Small, for Elastic Nail	1
3442-02	Caddy for End Cap, for Elastic Nail	1
3442-03	Instrument Trays for Elastic Nailing Instrument Set	2
A10-028	Container For Elastic Nailing Instrument Set	1

ELASTIC NAILING SYSTEM

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INTENDED USE

The implants and instruments in this catalogue are intended for use by qualified orthopedic trauma surgeons trained in fracture fixation and intramedullary nailing procedures. Improper selection of the implant, incorrect surgical technique, misuse, or insufficient surgical experience may result in implant failure or other complications.

REGULATORY COMPLIANCE CERTIFIED

CE Approved (EUMDR-2017/745)

USFDA 510(k)

ISO 13485:2016

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V1-2026



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