

L.N.S.[®] GT



L.N.S.[®] GT - STANDARD Y LARGO
L.N.S.[®] GT - STANDARD AND LONG



surgival
GRUPO COSÍAS

Características técnicas Technical features

CLAVO L.N.S.[®] GT - STANDARD

L.N.S.[®] GT - STANDARD NAIL

El clavo L.N.S.[®] GT STANDARD (Logic Nailing System) ha sido diseñado tras estudios realizados sobre datos antropométricos. El diseño del clavo incorpora unos ángulos cérvico-diafisario de 125° y 130°.

La angulación medio-lateral de 3,5° permite al cirujano la introducción del clavo de manera fácil y eficiente ya que minimiza las posibles interferencias por mayores angulaciones medio-laterales.

La longitud de 170 mm le permite minimizar las interferencias con las corticales internas y, por lo tanto, minimizar el "efecto punta" creado por las mayores tensiones en esta zona. Dispone también de unos surcos longitudinales que dotarán al clavo de una mayor elasticidad en la punta contribuyendo a minimizar el "efecto punta" comentado.

The design of the L.N.S.[®] GT STANDARD (Logic Nailing System) nail is based on studies carried out on anthropometric data. The nailing system design has cervical-diaphyseal angles of 125° and 130°.

The medial-lateral angle of 3.5° allows the surgeon to introduce the nail easily and efficiently, interference due to medial-lateral angulation being kept to a minimum.

Its length of 170 mm allows interference with the internal cortices to be kept to a minimum, so reducing the point effect created by the greater stresses in this area. It also has longitudinal grooves which give the end of the nail greater elasticity, helping to reduce this point effect to a minimum.



CLAVO L.N.S.[®] GT - LARGO

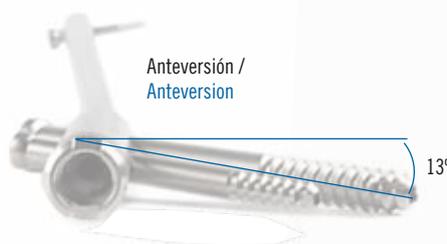
L.N.S.[®] GT - LONG NAIL

El clavo L.N.S.[®] GT - LARGO (Logic Nailing System) mantiene los mismos criterios de diseño que para el clavo STANDARD aunque incorporando las siguientes características adicionales:

- Anteversión: 13° (clavos derecho e izquierdo anatómicos)
- Radio de curvatura antero-posterior: 140 cm
- Agujero redondo de encerrojado
- Longitudes: 300 – 480 mm

The design criteria for the L.N.S.[®] GT - LONG (Logic Nailing System) nail are the same as for the STANDARD nail, but with the following additional features:

- Anteversion: 13° (anatomical left and right nails)
- Anteroposterior curve radius: 140 cm
- Round locking hole
- Lengths: 300 – 480 mm



TORNILLOS L.N.S.[®] GT

L.N.S.[®] GT SCREWS

Distal

El tornillo distal dispone de un diseño de rosca en la cabeza y punta dejando la zona central del tornillo maciza para mejorar su resistencia a la fatiga. Este tornillo se ha denominado 4S por sus prestaciones (Solid, Smooth, Strength, Shaft) Podrá ser fijado en posición Estática o Dinámica.

- Longitudes: 25 – 50 mm

Distal

The distal screw is designed to be threaded at the head and end, leaving the middle part of the screw solid to improve its resistance to fatigue.

The '4S' name for this screw refers to its characteristics - Solid, Smooth, Strength, Shaft.

It can be fixed in the Static or Dynamic position.

- Lengths: 25 – 50 mm



Proximal

El tornillo Proximal está diseñado para evitar la rotación de la cabeza y cuello sobre la metafisis. Dispone también de una cabeza que le permitirá al igual que el tornillo de compresión eliminar el efecto "cut in". Su diseño permite ofrecer una alta resistencia mecánica disponiendo de un canulado para agujas de Ø 2,5 mm.

- Longitudes: 50 – 100 mm

Proximal

The proximal screw is designed to prevent the head and neck rotating on the metaphysis. Its head, like that of the compression screw, also contributes towards elimination of cut-in effect.

Its design, with a cannula for Ø 2.5 mm wires, provides great mechanical strength.

- Lengths: 50 – 100 mm



Compresión

El tornillo de compresión dispone de uno de los diámetros de menor tamaño en el mercado Ø9 mm. Su diseño permite ofrecer una alta resistencia mecánica disponiendo de un canulado para agujas de Ø 3,2 mm. Este tornillo dispone también de una cabeza que permite el control de la migración del tornillo y elimina el efecto del "cut in".

- Longitudes: 70 – 120 mm

Compression

The Ø9 mm compression screw's diameter is one of the smallest on the market. Its design, with a cannula for Ø 3.2 mm wires, provides great mechanical strength.

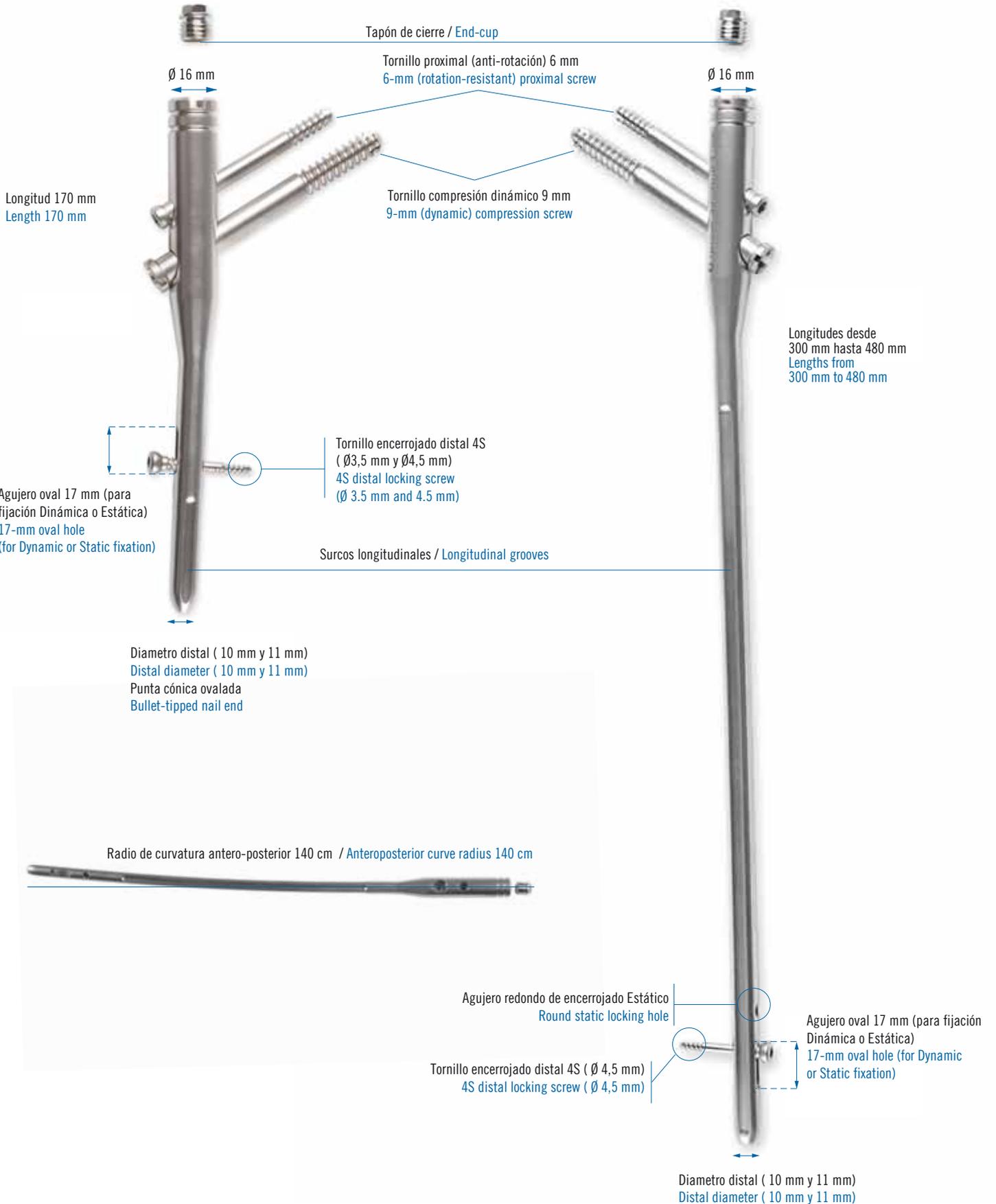
This screw also has a head which allows control of the screw's migration and eliminates cut-in.

- Lengths: 70 – 120 mm



Clavo STANDARD canulado a 3,5 mm
STANDARD nail with 3.5 mm cannula

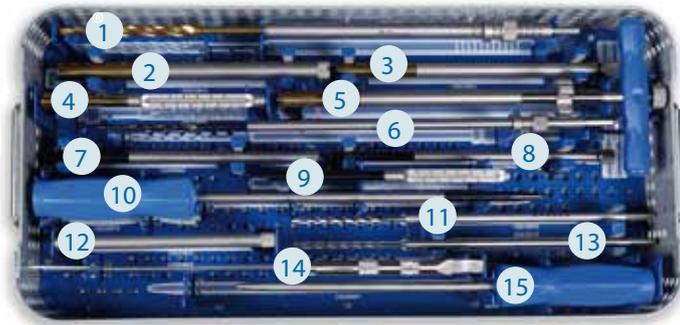
Clavo LARGO canulado a 4,5 mm
Clavo LONG canulado a 4,5 mm



Instrumental Instruments

Set Instrumental L.N.S.® GT L.N.S.® GT instrument set

Ref. C6236600



4 Medidor de profundidad para tornillos Ø 9 mm
Depth meter for Ø 9 mm screws
Ref. C6235966

5 Destornillador para tornillos Ø 9 mm
Screwdriver for Ø 9 mm screws
Ref. C6235976

6 Broca para tornillos de Ø 6 mm
Drill bit for Ø 6 mm screws
Ref. C6235916

7 Vaina-guía para tornillos Ø 6 mm
Guide-sleeve for Ø 6 mm screws
Ref. C6235930

8 Vaina interior para aguja-guía tornillos Ø 6 mm
Interior sleeve for Ø 6 mm screw guide-wire
Ref. C6235946

9 Medidor de profundidad para tornillos Ø 6 mm
Depth meter for Ø 6 mm screws
Ref. C6235961

10 Destornillador canulado Ø 6 mm
Ø 6 mm cannulated screwdriver
Ref. C6235973

11 Broca para tornillos Ø 3,5 mm
Drill bit for Ø 3.5 mm screws
Ref. C6235905

Set 1 instrumental L.N.S.® GT L.N.S.® GT instrument set 1

Ref. C6236605

1 Broca para tornillos de Ø 9 mm
Drill bit for Ø 9 mm screws
Ref. C6235921

2 Vaina-guía para tornillos Ø 9 mm
Guide-sleeve for Ø 9 mm screws
Ref. C6235935

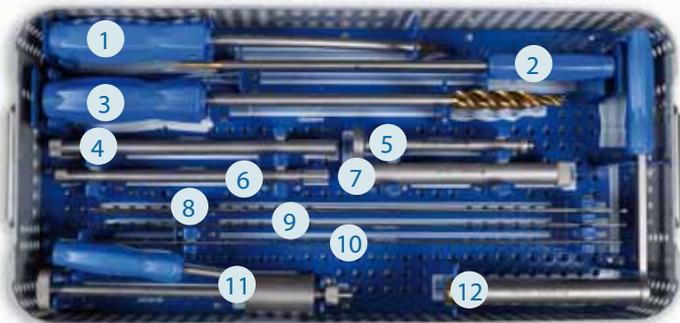
3 Vaina interior para aguja-guía tornillos Ø 9 mm
Interior sleeve for Ø 9 mm screw guide-wire
Ref. C6235951

12 Vaina-guía para tornillos Ø 3,5 / 4,5 mm
Guide-sleeve for Ø 3.5 / 4.5 mm screws
Ref. C6235925

13 Broca para tornillos Ø 4,5 mm
Drill bit for Ø 4.5 mm
Ref. C6235910

14 Medidor de profundidad para tornillos Ø 3,5 / 4,5 mm
Depth meter for Ø 3.5 / 4.5 mm screws
Ref. C6235955

15 Destornillador para tornillos Ø 3,5 / 4,5 mm
Screwdriver for Ø 3.5 / 4.5 mm screws
Ref. C6235971



4 Vaina guía para punzón recto
Guide sleeve for straight awl
Ref. C6236090

5 Tallo para extensión de guías
Guide extension shaft
Ref. C6236095

6 Vaina extracción tornillos Ø 3,5 / 4,5 / 6 mm
Ø 3.5 / 4.5 / 6 mm screw extraction sleeve
Ref. C6236160

7 Vaina interior para fresa iniciadora
Interior sleeve for starter drill
Ref. C6236055

8 Aguja Kirschner punta broca Ø 3,2 mm
Ø 3.2 K-wire mm with drill bit tip
Ref. C6235985 3 unidades / 3 units

9 Aguja Kirschner punta broca Ø 2,5 mm
Ø 2.5 K-wire mm with drill bit tip
Ref. C6235980 3 unidades / 3 units

Set 2 instrumental L.N.S.® GT L.N.S.® GT instrument set 2

Ref. C6236610

1 Punzón iniciador L.N.S.® GT
L.N.S.® GT starter awl
Ref. C6236040

2 Punzón recto
Straight awl
Ref. C6236085

3 Fresa iniciadora Ø 16 mm
Ø 16 mm starter drill
Ref. C6236045

10 Aguja Kirschner punta trocar Ø 2,5 mm
Ø 2.5 mm K-wire with trocar tip
Ref. C6236025 3 unidades / 3 units

11 Maza extractora
Extractor mallet
Ref. C6236105

12 Vaina-guía para fresa iniciadora
Guide-sleeve for starter drill
Ref. C6236050



4 Perno para tapón de cierre
End-cup bolt
Ref. C6236150

1 Perno de bloqueo clavo/guía
Nail/guide locking bolt
Ref. C6236145

Set 3 instrumental L.N.S.® GT L.N.S.® GT instrument set 3

Ref. C6236615

1 Guía radiotransparente 125°
125° radio-transparent guide
Ref. C6236125

2 Guía radiotransparente 130°
130° radio-transparent guide
Ref. C6236130

3 Llave cardán
Cardan spanner
Ref. C6236140

6 Extensión de las guías
Guide extension
Ref. C6236155

Implantes *Implants*

Clavos L.N.S.®GT- STANDARD L.N.S.®GT- STANDARD nail



Tapón de cierre incluido
Locking nail end cup included

Clavo Ø 10 mm / 125° Ø 10 mm / 125° nail
Ref. C6235025E
Clavo Ø 10 mm / 130° Ø 10 mm / 130° nail
Ref. C6235030E
Clavo Ø 11 mm / 125° Ø 11 mm / 125° nail
Ref. C6235125E
Clavo Ø 11 mm / 130° Ø 11 mm / 130° nail
Ref. C6235130E

Clavos L.N.S.®GT- LARGO L.N.S.®GT- LONG nail



Ø 10 mm / 125° derecho Ø 10 mm / 125° right	Longitud Length	Ø 10 mm / 125° izquierdo Ø 10 mm / 125° left
Ref. C6237530E	300 mm	Ref. C6238530E
Ref. C6237532E	320 mm	Ref. C6238532E
Ref. C6237534E	340 mm	Ref. C6238534E
Ref. C6237536E	360 mm	Ref. C6238536E
Ref. C6237538E	380 mm	Ref. C6238538E
Ref. C6237540E	400 mm	Ref. C6238540E
Ref. C6237542E	420 mm	Ref. C6238542E
Ref. C6237544E*	440 mm	Ref. C6238544E*
Ref. C6237546E*	460 mm	Ref. C6238546E*
Ref. C6237548E*	480 mm	Ref. C6238548E*
Ø 10 mm / 130° derecho Ø 10 mm / 130° right	Longitud Length	Ø 10 mm / 130° izquierdo Ø 10 mm / 130° left
Ref. C6237630E	300 mm	Ref. C6238630E
Ref. C6237632E	320 mm	Ref. C6238632E
Ref. C6237634E	340 mm	Ref. C6238634E
Ref. C6237636E	360 mm	Ref. C6238636E
Ref. C6237638E	380 mm	Ref. C6238638E
Ref. C6237640E	400 mm	Ref. C6238640E
Ref. C6237642E	420 mm	Ref. C6238642E
Ref. C6237644E*	440 mm	Ref. C6238644E*
Ref. C6237646E*	460 mm	Ref. C6238646E*
Ref. C6237648E*	480 mm	Ref. C6238648E*
Ø 11 mm / 125° derecho Ø 11 mm / 125° right	Longitud Length	Ø 11 mm / 125° izquierdo Ø 11 mm / 125° left
Ref. C6237730E	300 mm	Ref. C6238730E
Ref. C6237732E	320 mm	Ref. C6238732E
Ref. C6237734E	340 mm	Ref. C6238734E
Ref. C6237736E	360 mm	Ref. C6238736E
Ref. C6237738E	380 mm	Ref. C6238738E
Ref. C6237740E	400 mm	Ref. C6238740E
Ref. C6237742E	420 mm	Ref. C6238742E
Ref. C6237744E*	440 mm	Ref. C6238744E*
Ref. C6237746E*	460 mm	Ref. C6238746E*
Ref. C6237748E*	480 mm	Ref. C6238748E*
Ø 11 mm / 130° derecho Ø 11 mm / 130° right	Longitud Length	Ø 11 mm / 130° izquierdo Ø 11 mm / 130° left
Ref. C6237830E	300 mm	Ref. C6238830E
Ref. C6237832E	320 mm	Ref. C6238832E
Ref. C6237834E	340 mm	Ref. C6238834E
Ref. C6237836E	360 mm	Ref. C6238836E
Ref. C6237838E	380 mm	Ref. C6238838E
Ref. C6237840E	400 mm	Ref. C6238840E
Ref. C6237842E	420 mm	Ref. C6238842E
Ref. C6237844E*	440 mm	Ref. C6238844E*
Ref. C6237846E*	460 mm	Ref. C6238846E*
Ref. C6237848E*	480 mm	Ref. C6238848E*

Tornillos L.N.S.®GT L.N.S.®GT screws



Tornillo distal Ø 3.5 mm Ø 3.5 mm Distal screw	Longitud Length
Ref. C6235725E	25 mm
Ref. C6235730E	30 mm
Ref. C6235735E	35 mm
Ref. C6235740E	40 mm
Ref. C6235745E	45 mm
Ref. C6235750E	50 mm
Tornillo distal Ø 4.5 mm Ø 4.5 mm Distal screw	Longitud Length
Ref. C6235825E	25 mm
Ref. C6235830E	30 mm
Ref. C6235835E	35 mm
Ref. C6235840E	40 mm
Ref. C6235845E	45 mm
Ref. C6235850E	50 mm



Proximal (anti-rotación) Ø 6 mm Ø 6 mm Proximal (anti-rotation)	Longitud Length
Ref. C6235550E	50 mm
Ref. C6235555E	55 mm
Ref. C6235560E	60 mm
Ref. C6235565E	65 mm
Ref. C6235570E	70 mm
Ref. C6235575E	75 mm
Ref. C6235580E	80 mm
Ref. C6235585E	85 mm
Ref. C6235590E	90 mm
Ref. C6235595E	95 mm
Ref. C6235600E	100 mm



Compresión (dinámico) Ø 9 mm Ø 9 mm Compression (lag-screw)	Longitud Length
Ref. C6235370E	70 mm
Ref. C6235375E	75 mm
Ref. C6235380E	80 mm
Ref. C6235385E	85 mm
Ref. C6235390E	90 mm
Ref. C6235395E	95 mm
Ref. C6235400E	100 mm
Ref. C6235405E	105 mm
Ref. C6235410E	110 mm
Ref. C6235415E	115 mm
Ref. C6235420E	120 mm

(*) Longitudes bajo pedido especial.
(*) Lengths under special order.



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