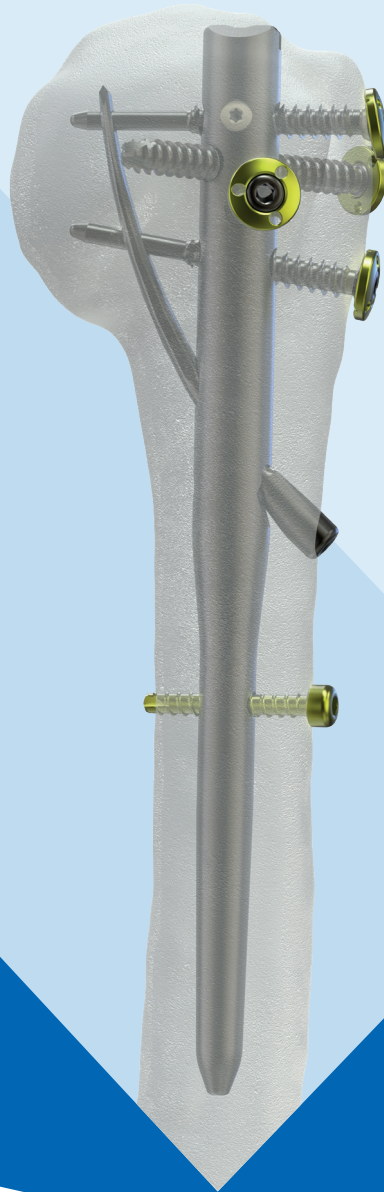


LBN



## Proximal Humeral Nail System

The innovative Proximal Humeral Nailing System offers safe treatment of the subcapital humeral fractures (2-part fractures) and slightly displaced 3- and 4-part fractures. With the help of the clear and intuitive instrumentation, the surgeon has the choice of three treatment options.

The patented blade support offers improved support. The triangle of forces between nail and blade makes the LBN system unique.

# LBN

## Proximal Humeral Nail

### LBN screw for blade fixation

Holds the blade in position over the lateral corticalis and the nail in position and thus form a triangle of forces.

### Anterior chamfer

Adapts to the shape of the humeral head and prevents ventro-cranial nail protrusion.

### PEEK fuse

Ensures secure fixation of the screws in the nail.

### Locking screws

Ensures a secure hold in the humeral head, even without a blade.

### LBN blade / triangle of forces

Stability is achieved by the fact that the blade supports the medial column. The blade is at the same time a support for the of the calotte fragment during abduction.

### Modular washer

The modular washer provides a secure, positive force transfer to the cortex. This ensures pressure-distributed fixation of the fragments and an additional option of refixation of the rotator cuff.

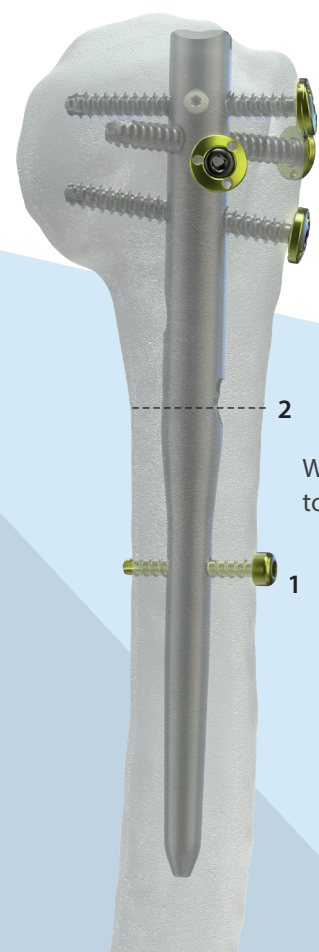
### Material

Titanium, type II anodization

### Distal nail diameter

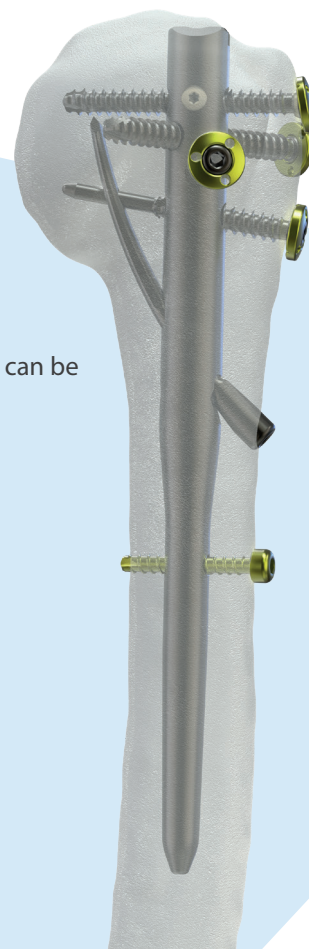
Taper of the nail distal end for easier insertion of the nail in narrow medullary spaces.



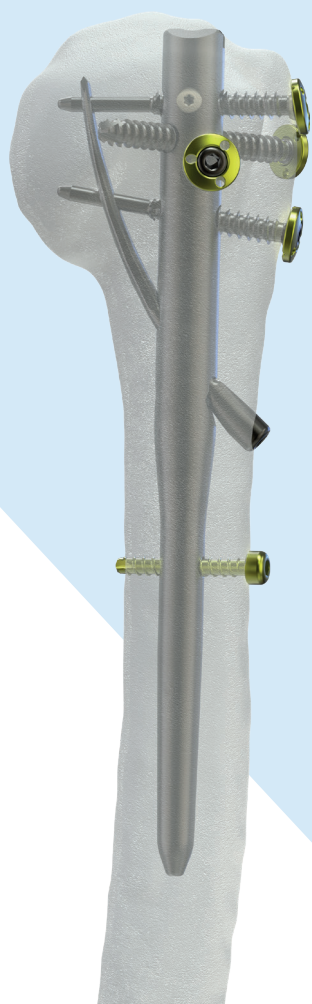


**Supply option 1:**  
Standard supply with four  
head locking screws

Without blade there is the possibility  
to place another distal screw.



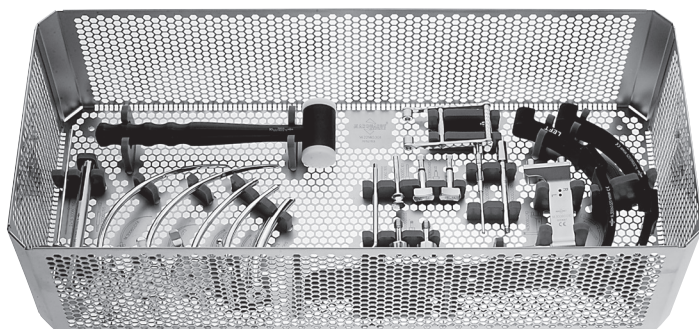
**Supply option 2:**  
If the hold is unsteady, a short blade  
can be placed for stabilization.



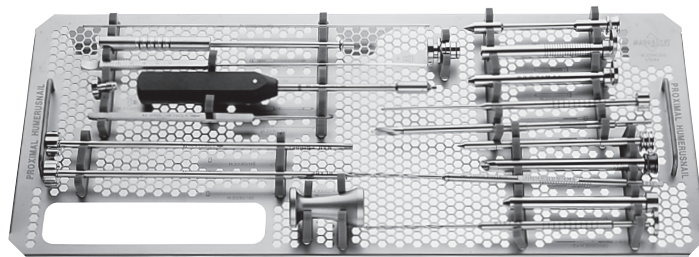
**Care option 3:**  
For osteoporotic bones, there is the  
the treatment option with a long blade.  
Maximum stability. Maximum support.

# LBN

## Proximal Humeral Nail System



LBN Instrumente



LBN Proximal Humeral Nail

14.31008.xxxS **left**

14.31108.xxxS **right**

Diameter 11.00 / 7.0 mm

Length 230-290 mm



LBN Proximal Humeral Nail, short

14.31008.150S **left**

14.31108.150S **right**

Diameter 10.00 / 6.5 mm

Length 150 mm



LBN Blade, short

14.31356.063S



LBN Blade, long

14.31356.070S



LBN Locking Screw Ø 5.0 mm

03.03540.xxxS

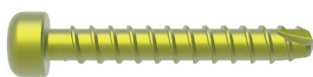
Length 22-60 mm



LBN Locking Screw for Blade fixation Ø 5.0 mm

14.31555.xxxS

Length 32-60 mm



LBN Distal Locking Screw Ø 3.5 mm

14.31635.xxxS

Length 18-60 mm



LBN Cap Screw

14.31550.000S

Extension 0 mm

14.31550.002S

Extension 2 mm

You can also find us on social networks:



Note:

This description is not sufficient for immediate application of the instruments. Further information is available in the detailed surgical technique. Maintenance, care and preparation of Marquardt instruments can be found in the corresponding instructions.