# Polyphem

OP-Technique

more surgical options than expected.

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Reduction of spondylolisthesisthesis

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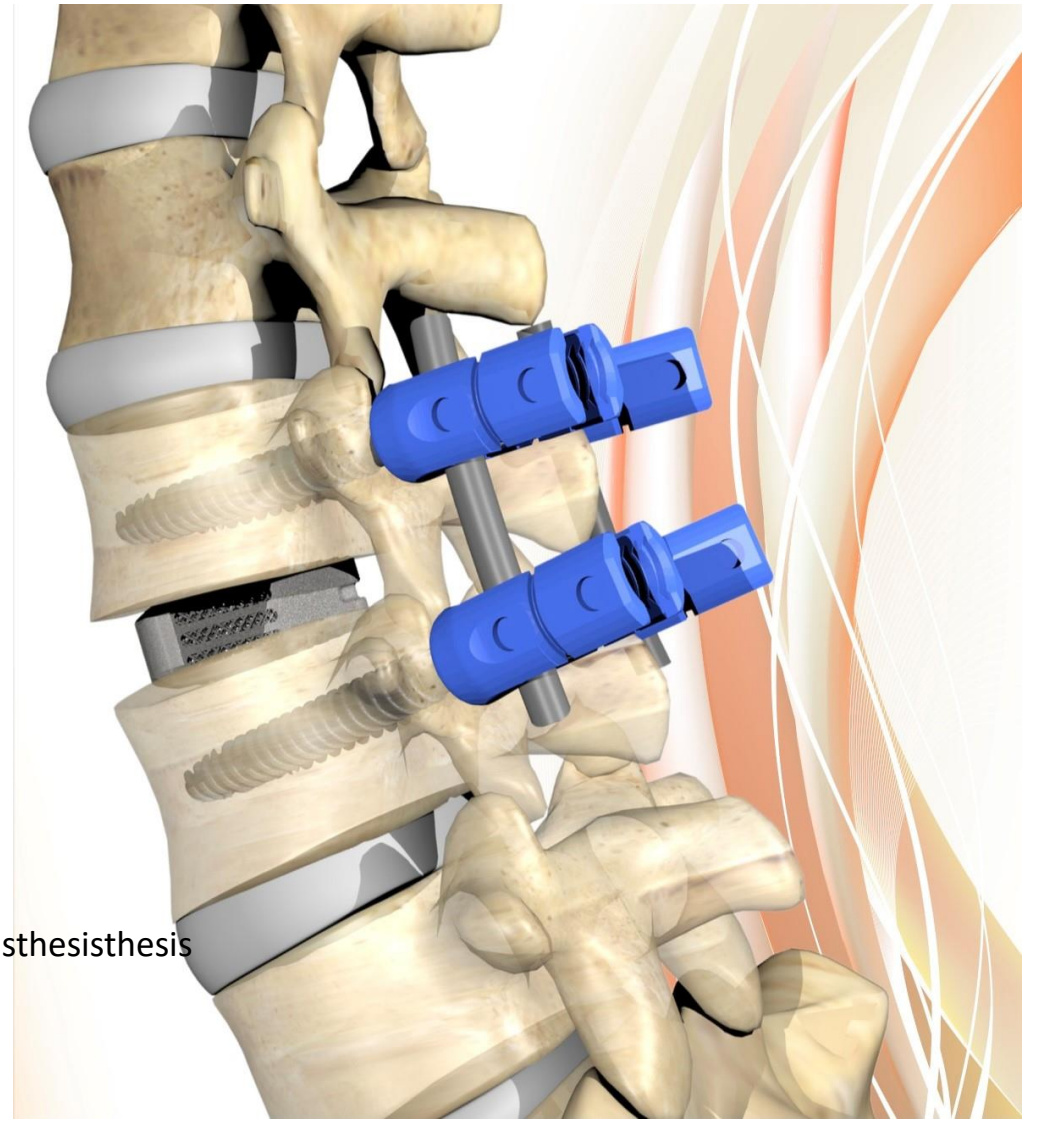

TIGER MEDICAL
SUPPLIES

# More features at your disposal!






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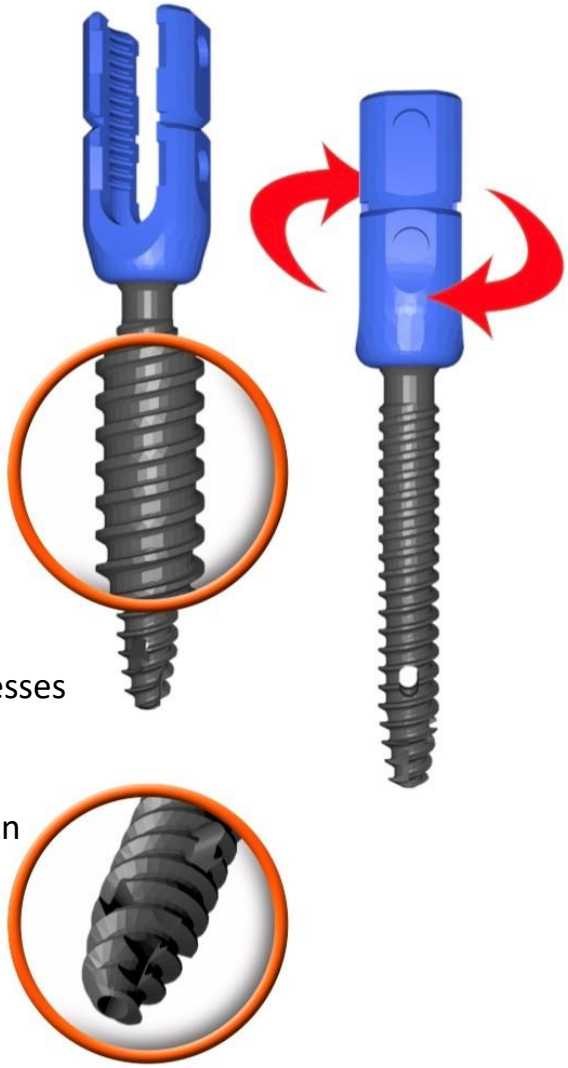
## Indication

- Trauma (i.e. fracture or dislocation)
- Spondylolisthesis
- Degenerative intervertebral disc disease
- Pseudarthrosis
- Tumor
- Stenosis
- Unsuccessful stiffening in prehistory
- Deformities (i.e. scoliosis, kyphosis and/or lordosis)
- Osteoporosis, but only with simultaneous cement augmentation

## Contraindications

- In the case of fractures and tumour's with severe anterior ossary tearing, additional anterior support or reconstruction of the anterior column is required
- Osteoporosis if there is no cement augmentation
- Severe osteoporosis

# Polythem Screw



Duplex Design Thread:

• Self-tapping and K-wire controlled insertion

• high stability due to compression in the

Pedicle area

• High tensile force due to Spongiosa thread

• Safe handling thanks to atraumatic

Top

• Cement augmentable for osteoporosis

The ratio between diameter and thread depth; In

the pedicle area, the thread depth is reduced and the

core diameter enlarged so that the cancellous compresses

Is at the tip of the screw.



Threads are more pronounced and offers a high tension

strength. The height correction can be without loss of

strength.

The polyphem™ screw is in polyaxial

Position rotated 360 degrees in the head area and can be swivelled by 40 degrees (20 degrees in each direction from the vertical position). This

even with cemented screws allows a flexible rod introduction.

The polyphem™ screws are self-tapping and have a high starting behaviour due to the reduced tip diameter.

• The small screw head diameter leaves enough distance for distraction manoeuvres, especially for L5-S1 supplies and minimizes muscular trauma.

• Unhindered access and direct access Visualization

• Cannula 1.7 mm for guided insertion over 1.5 mm guide wires

The polyphem™ screw has a

1-stage extension with integrated Thread range.

In addition, each screw is cannulated and cementable.

What is special, however is the

possibility is to change the head from

monoaxial or polyaxial.

To do this, place the screw on the

adjustment instrument, hold the

wing flanks firmly and turn the handle.

Please make sure that the 4 bumps on

The adjusting instrument in the screw

head.

The adjustment of the poly- to the

Mono position

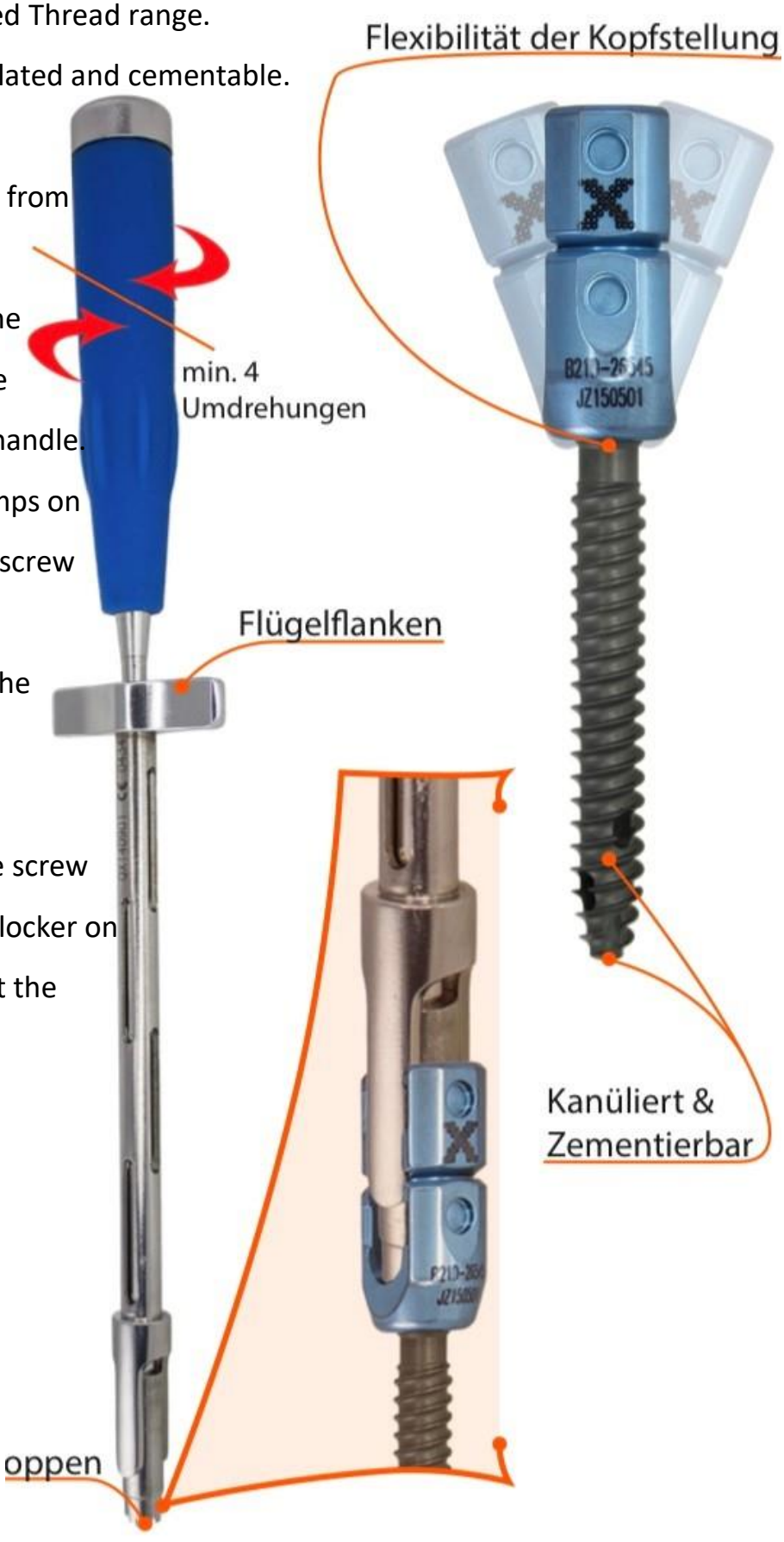
is also intraoperatively possible.

Get along with the rocker by the screw

head slightly pull up, would the locker on

the hold the blue handle and set the

screw.



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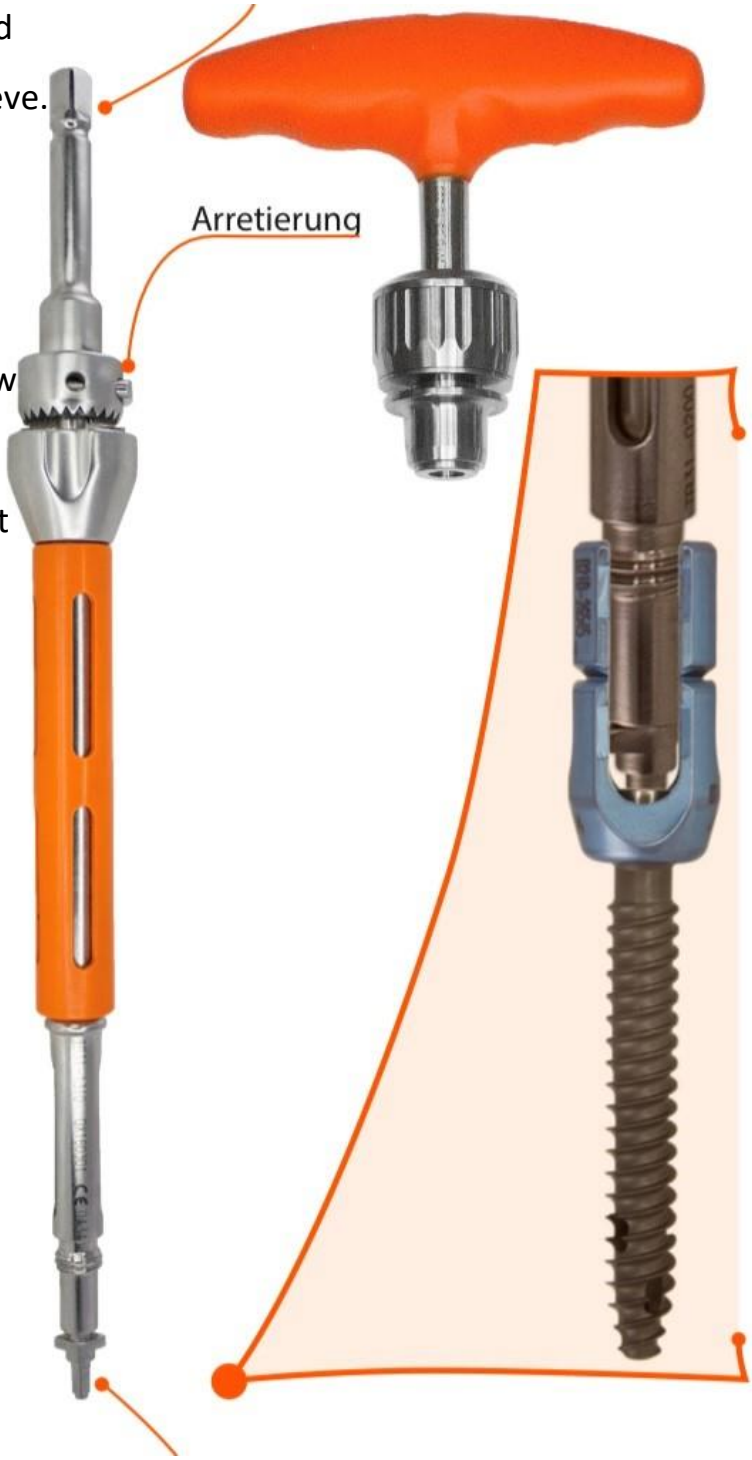
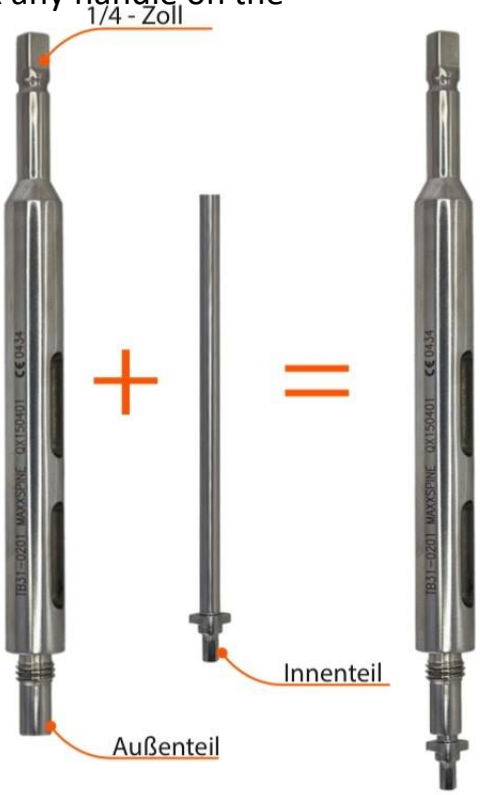
The polyphem™ screwdriver is cannulated and consists of an inner and an outer sleeve. The inner part has a 1/4 inch connection for the handle coupling and a Hexagonal tip.
The outer sleeve is screwed into the screw head and can be locked from above.
This design allows precise work and direct power transmission to the

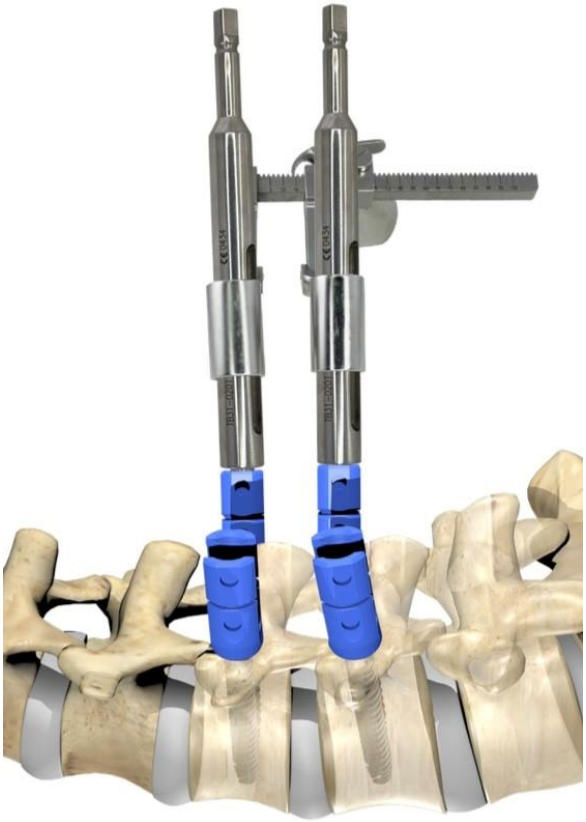


# Disctraction.

To Distract.

1. Plug in inner part with hexagon into the screw
2. Put the outer part over it and place it in the Screw head.
3. Place parallel distractor over the outer sleeves
4. In order to prevent the distractor from slipping fix any handle on the 1/4-inch connection to be fixed



After the screws are seated for the discectomy.

Use the parallel distractor for the Discectomy.