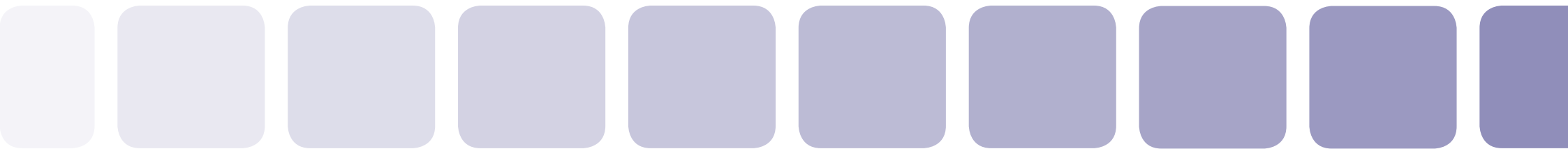


VENUS[®]

APPROXIMATOR REPOSITION



Area of application

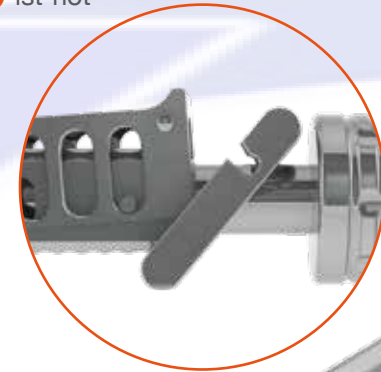
The function of the Approximator is to reposition vertebrae (in the treatment of spondylolisthesis), providing a possible repositioning of 35mm.

The pedicle screws are implanted, the correspondingly curved rod is located in the screw's shaft mounts and is pre-fixed at both ends.

The displaced central vertebrae are repositioned by being pulled towards the rod by the Approximator.

1) Turning back the repositioning yoke:

To achieve the maximum repositioning movement and a secure mounting of the screw head, turn the grip **1** to the left (backwards) until it detaches. Then refix it to the instrument by turning one turn to the right (forwards). Check, if the locking lever **3** is loosened, when the bolt **4** is not engaged at side of the cage **2**.

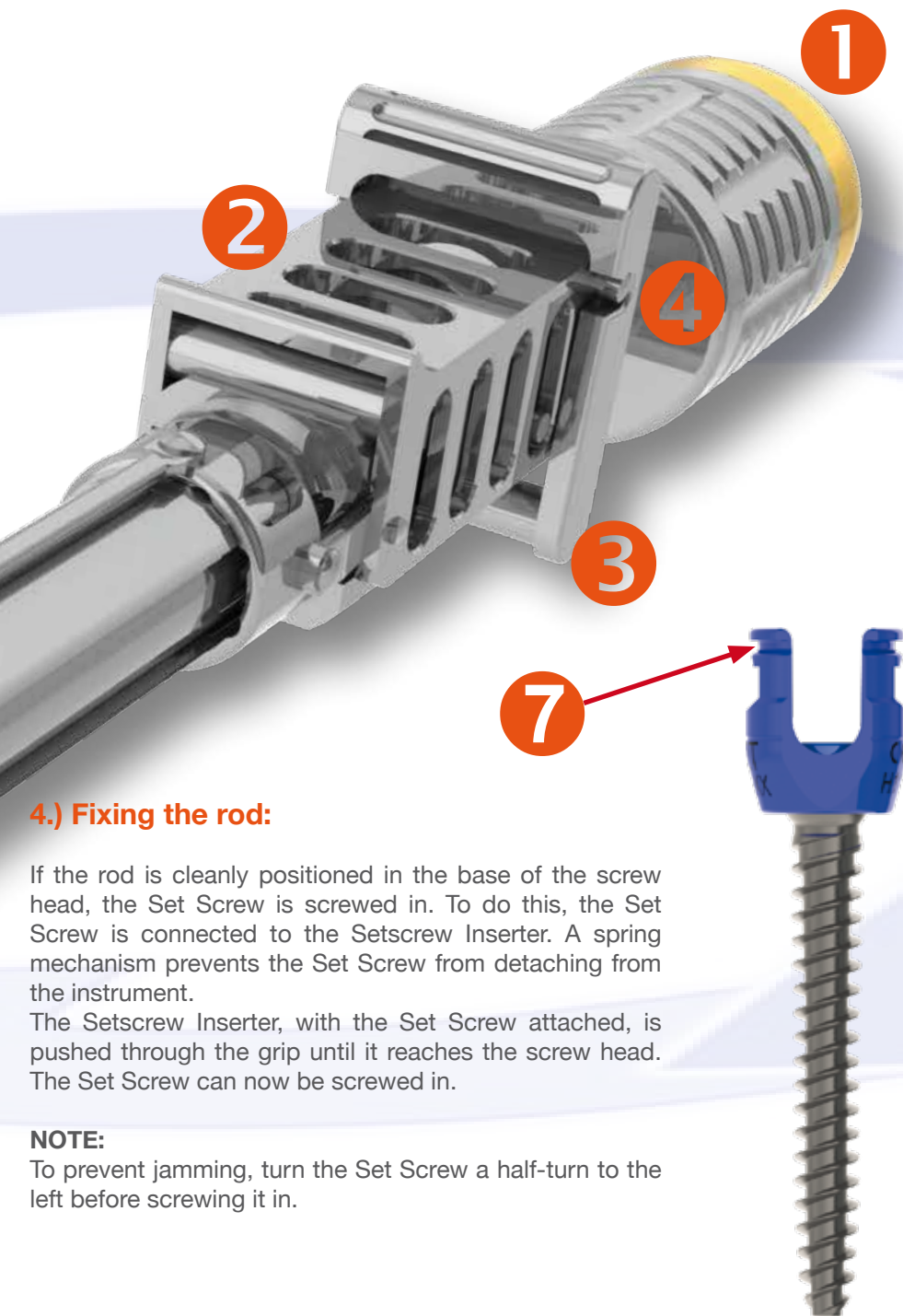


5.) Releasing the Approximators:

Turn the grip **1** to the left (backwards) until a clear loosening of the connection between the implant and the instrument can be felt. Loosening the locking lever **3** and releasing the Approximator of the implant.

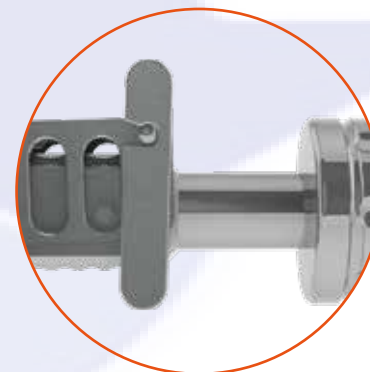


Art.No.	Description	Image
055071	Approximator Clamp ø 5,5mm	



2.) Applying the Approximator:

The instrument is placed over the implant head until a definite resistance is felt. By the anti-rotation and a depth stop, the implant can be placed only in one direction. Subsequently, the handle cage is pressed **2** with the thumb and engaged via a tilting movement of the locking lever into the bolt **4** at the side of the handle **3**. This way the mechanism for fixing the implant **5** snaps into the annular groove of the implant **7**. The instrument is now firmly connected to the implant. The connection between the Approximator and the screw head must be smooth and without any expenditure of force. In case of doubt, remove the Approximator and reapply it. It is to ensure that the implant rod when using the Approximator lies at least 5mm on both sides over the screw head, to allow that the repositioning yoke has complete contact with the rod.



4.) Fixing the rod:

If the rod is cleanly positioned in the base of the screw head, the Set Screw is screwed in. To do this, the Set Screw is connected to the Setscrew Insertter. A spring mechanism prevents the Set Screw from detaching from the instrument.

The Setscrew Insertter, with the Set Screw attached, is pushed through the grip until it reaches the screw head. The Set Screw can now be screwed in.

NOTE:

To prevent jamming, turn the Set Screw a half-turn to the left before screwing it in.

3.) Repositioning:

Turn the grip **1** to the right (forwards) until the repositioning yoke **6** presses against the shaft. Gently reposition the vertebrae by carefully turning the grip continuously to the right (forwards).

VENUS®



Manufacturer and Sales

HumanTech Spine GmbH

Gewerbestr. 5
D-71144 Steinenbronn

Germany

Phone: +49 (0) 7157/5246-71
Fax: +49 (0) 7157/5246-66
sales@humantech-spine.de
www.humantech-spine.de

Marketing Middle East

HumanTech Med. Sag. Tic. Ltd.

İkitelli OSB Tümsan 2. Kısım
C-Blok No: 47
TR-34306 Başakşehir İstanbul

Turkey

Phone: +90 (0) 212/485 6675
Fax: +90 (0) 212/485 6674
info@humantech.com.tr
www.humantech-spine.de

Sales for Latin America

HumanTech Mexico, S. DE R.L. DE C.V.

Rio Mixcoac No. 212-3
Acacias del Valle
Del. Benito Juárez
C.P. 03240 Mexico, D.F.
Mexico

Phone: +52 (0) 55/5534 5645
Fax: +52 (0) 55/5534 4929
info@humantech-solutions.mx
www.humantech-spine.de

