

# VERTICALE<sup>®</sup> – THE POSTERIOR SPINAL FIXATION SYSTEM

PROVEN - COMBINED AND OPTIMIZED



MADE IN GERMANY

# BENEFITS OF THE VERTICALE SYSTEM

## Evaluated and meaningfully optimized

VERTICALE is a posterior double-rod fixation system for use in the thoracic and lumbar spine via both the open and minimally invasive approaches. VERTICALE enables the stabilization of the degenerative spine and the correction of deformities in a controlled manner.

Special attention was paid to structuring the system ergonomically. Particular emphasis was placed on a modular design and clear structure for the VERTICALE system. Multifunctional instruments and modular handle options, along with implants in sterile packaging, facilitate routine use of the system and save space in the theatre.

The system was developed in close cooperation with experienced and qualified spinal surgeons as well as theatre and sterilisation experts in surgical environments. VERTICALE system incorporates one of the largest range of pedicle screw implants, including polyaxial, monoaxial, uniplanar and iliac screws; all available as short-head and long-head screws (reduction screws). This range of pedicle screws, in either solid or cannulated and fenestrated versions, combined with 5.5-mm titanium or cobalt chromium rods means that the VERTICALE system is suitable for a wide range of indications.



## Instruments designed according to your needs

The complete and simple dismantling of the instruments makes everyone's job easier and reduces the reprocessing costs.



The VERTICALE OPEN screwdriver has a unique mechanism that allows it to connect to more than 900 variations of screws. One instrument for all of Silony's screws.



4 options for your reduction maneuver. A large variety of instruments enables the surgeon to proceed according to their preferred technique and adapt to the patient's pathology and the needs of intervention.



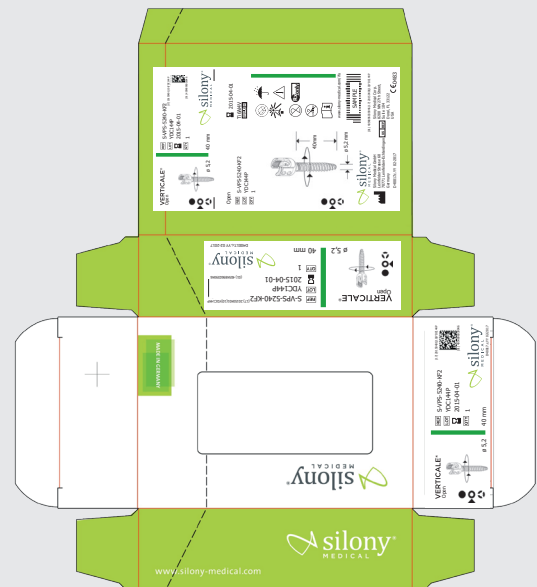
## Precisely packed in every detail!

Implants are colour-coded to facilitate safe and efficient handling. The colour-codes on the implant, instrument as well as label and a large picture of the product make visual identification of the required product easy.

A perforated opening makes it easy to tear open the packaging quickly. The inner packaging also has a double sterile barrier. A large tear-off tab in the foil and a large opening for holding the blister make it easy to handle the implant safely.

Implant documentation is supported with 6 patient labels. This ensures traceability in accordance with MDR requirements.

The 3 large label areas of the packaging describe the contents uniquely and allow the package to be stored in any position. The sterile packaging is validated for 10 years.



## The uniqueness of our screws

Over 900 screw variations, including 13 categories, make the extensive screw portfolio from Silony very special. The same screw design can be used for open and percutaneous insertion.

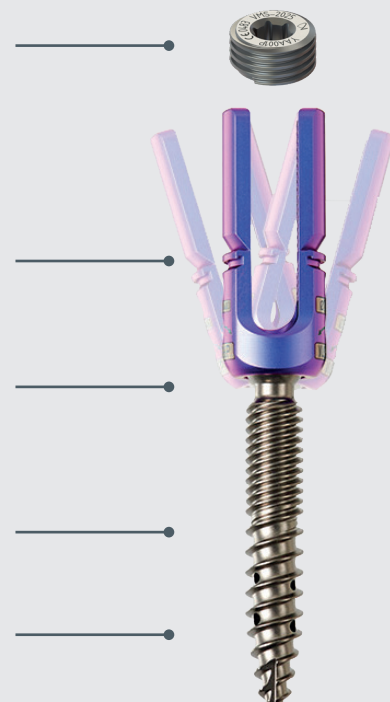
Square thread of the set screw allows for easy attachment and reduces the chance of cross-threading for a reliable locking of the rod.

A hook-shaped notch on the upper outer edge of the tulip enables a firm connection with e.g. Reduction instruments.

The polyaxial screw head angulation (52 °) serves as the ideal adaptation to the anatomical conditions of the patient.

The Quatro-thread of the screw ensures optimal bone anchoring in the pedicle.

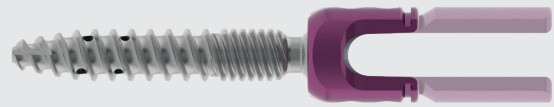
The self-tapping screw tip at the distal end of the shaft ensures good initial grip and supports insertion.



# VERTICALE Implant Portfolio

## Polyaxial Screw Selection

Diameter: 4,5 / 5,2 / 6,2 / 7,2 mm  
Length: 25 / 30 / 35 / 40 / 45 / 50 / 55 / 60 / 70 / 80  
Type: Short head/Reduction  
Shaft: solid/cannulated/cannulated & fenestrated



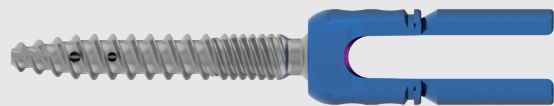
## Monoaxial Screw Selection

Diameter: 4,5 / 5,2 / 6,2 / 7,2 mm  
Length: 25 / 30 / 35 / 40 / 45 / 50 / 55 / 60 / 70 / 80  
Type: Reduction  
Shaft: cannulated/cannulated & fenestrated



## Uniplanar Screw Selection

Diameter: 4,5 / 5,2 / 6,2 / 7,2 mm  
Length: 25 / 30 / 35 / 40 / 45 / 50 / 55 / 60 / 70 / 80  
Type: Reduction  
Shaft: cannulated/cannulated & fenestrated



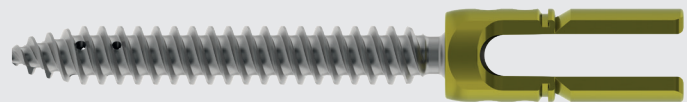
## Revision Screw Selection

Diameter: 8,2 / 9,2 / 10,2 mm  
Length: 25 / 30 / 35 / 40 / 45 / 50 / 55 / 60  
Type: Reduction  
Shaft: cannulated/cannulated & fenestrated



## Iliac Screw Selection

Diameter: 8,2 / 9,2 / 10,2 mm  
Length: 70 / 80 / 90 / 100  
Type: Reduction  
Shaft: cannulated & fenestrated



## Rod Selection

Diameter: 5,5 mm  
Length: 40 / 45 / 50 / 55 / 65 / 75 / 85 / 95  
Type: curved // Material: Ti6Al4 ELI  
Length: 200 / 300 / 470  
Type: straight // Material: Ti6Al4 ELI  
Length: 300 / 470  
Type: curved // Material: CoCr



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