

VERTICALE® OPEN SCREW ROD SYSTEM

INSTRUMENTATION GUIDE



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NOTE: This Guide describes the use of the VERTICALE posterior spinal fixation instrument set. This guide does not replace briefing by a physician experienced in the instrumentation used in spinal surgery.

We would be happy to assist you in finding a hospital that provides an opportunity to observe surgical procedures.



PRFFACE

VERTICALE® – OPEN SCREW ROD SYSTEM

VERTICALE is a dorsal screw-rod fixation system for stabilizing the thoracic and lumbar spine.

The system was developed in close cooperation with experienced and qualified spinal surgeons as well as specialist staff from OR and sterilization departments. As a result, the VERTICALE System is a well-designed, modular, and versatile fixation system.

The VERTICALE System is made up of polyaxial, monoaxial, uniplanar, and iliac screws that are 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. Degenerative spinal diseases can be stabilized in a controlled manner and deformities can be comfortably corrected.

Special attention was paid to structuring the system ergonomically. Particular emphasis was placed on a modular design and clear structure for the VERTICALE instruments. Routine use of the system is facilitated by bi-functional 2-in-1 instruments and modular handle options, along with individually customizable screw trays.

Like all other implants and instruments developed by Silony Medical, the VERTICALE System is a living system. Whether instrument or implant—we are constantly working to expand and improve the system in order to optimally meet the needs of patients, physicians, and nursing staff.





Indications

The VERTICALE System is indicated for use in the thoracic and lumbar spine as well as for iliosacral fixation procedures (T1–S2 / ilium). This includes all kinds of thoracic and lumbar instabilities that require comprehensive dorsal pedicle screw fixation:

- Degenerative disc diseases
- Spondylolisthesis of all etiologies
- Stenosis
- Deformities such as scoliosis and kyphosis
- Fractures
- Spondylitis
- Tumors
- Revisions
- Pseudarthrosis

Contraindications

Under certain circumstances, implantation is contraindicated or associated with substantial risks, even though there may be an indication. These include in particular:

- Anticipated or documented allergy or intolerance to the materials used (e.g., titanium or cobalt chromium)
- Any case in which the chosen implants would be too large or too small to achieve a successful result
- Any patient for whom the use of the implant would conflict with anatomical structures
- · Missing bony structures that make solid anchoring of the implant impossible (e.g., in the case of fractures, tumors, or osteoporosis).

NOTE: Anterior, interbody support in the form of an intervertebral implant device, such as a ROCCIA Cage, is recommended for treating instabilities of the anterior spine and is used at the discretion of the operating surgeon and in accordance with the respective indication. **NOTE:** Please also note the Instructions for Use provided with each product. They may include additional advice that leads to exclusion of the implant procedure.

VERTICALE® OPEN STANDARD INSTRUMENTATION

In the following section, we begin by describing a monosegmental posterior VERTICALE standard instrumentation that forms the basis for all subsequent steps with additional instruments and implant devices. Multisegmental instrumentations are also performed according to these instructions.

Position and approach

The patient is positioned in the standard prone position for the posterior approach. The skin incision is performed medially above the spinous processes corresponding to the spinal segments to be treated. The soft tissue is then dissected until the anatomical structures of the spinal column can be clearly seen.

Opening the pedicle

VI-1010 **VERTICALE** Trocar

The desired screw insertion point into the pedicle is defined by means of anatomical landmarks and under X-ray control. The cortex is subsequently opened with the VERTICALE Trocar (Fig. 1). For safety reasons, the trocar has a depth stop after 10 mm (Fig. 2).



Fig. 1 Pedicle screws trajectory

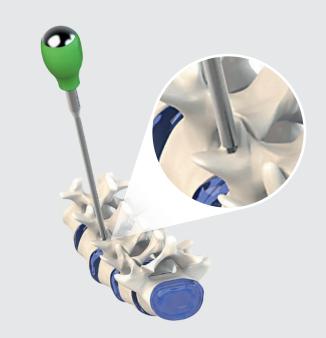


Fig. 2 Opening the pedicle with the VERTICALE Trocar

VI-1020* VERTICALE AWI

To further open up the pedicle down to the cancellous bone of the vertebral body, the corresponding VERTICALE Awl is used (Fig. 3).

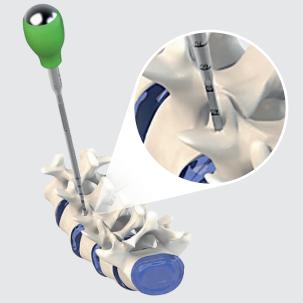
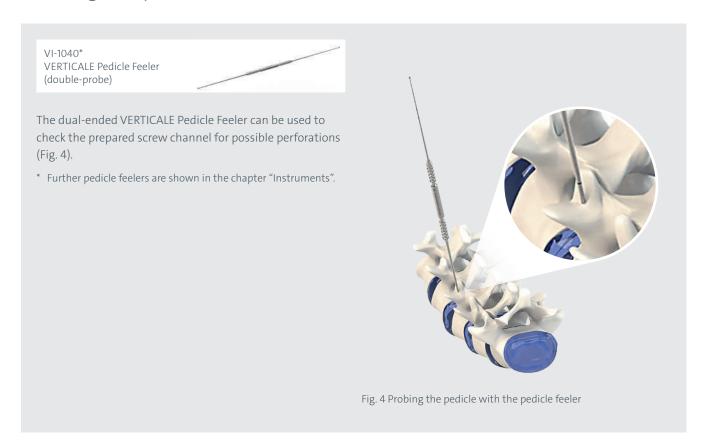


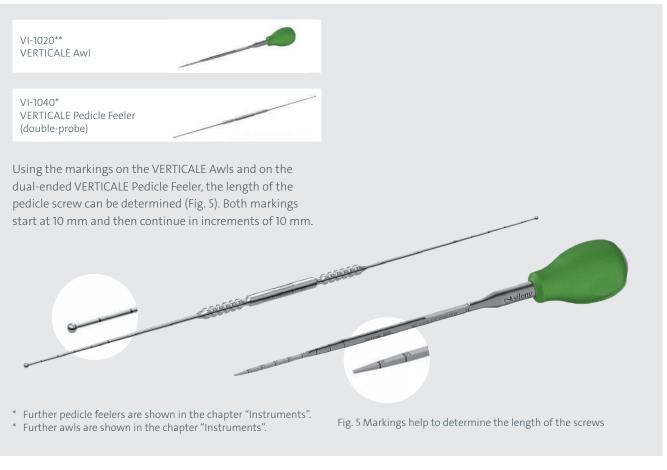
Fig. 3 Preparing the screw channel with the awl

^{*} Further awls are shown in the chapter "Instruments".

Probing the pedicle



Determining the screw lengths



Tapping (optional)



VI-1067** VERTICALE Tap 6.2 and 7.2 mm

Certain VERTICALE Pedicle Screws have a self-tapping thread. Very hard bone structures (e.g., sclerotic bone) may make it necessary to pre-tap the thread. Two taps for the screws with a diameter of 4.5 and 5.2 mm or 6.2 and 7.2 mm are available for this. Taps with corresponding diameters (8.2 and 9.2 as well as 10.2 mm) are also available for the preparation for iliac and revision screws.

After selecting the appropriate modular and cannulated handle (T-handle, drop handle, with or without ratchet mechanism), the latter is connected to the corresponding VERTICALE Tap by locking into place.

The screw channel is prepared clockwise. Laser markings on the tap make it easy to read off the current depth of the thread (Fig. 6).

The thread on the VERTICALE Tap has a length of 25 mm. The laser markings start at 30 mm and all further markings are at increments of 5 mm (Fig. 7). After cutting, the tap is disengaged by turning it counterclockwise.

Cannulated taps are available for guided insertion using a guide wire (less than Ø 1.6 mm). See appendix with VERTICALE instruments.

- * Further handle options are shown in the chapter "General Instruments".
- * Further taps are shown in the chapter "Instruments".

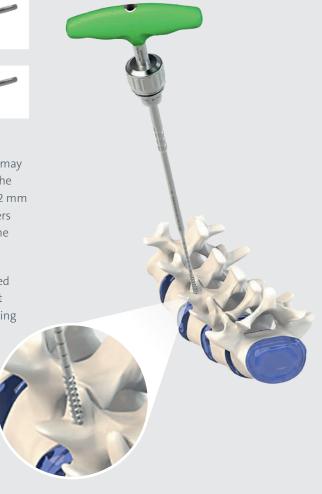
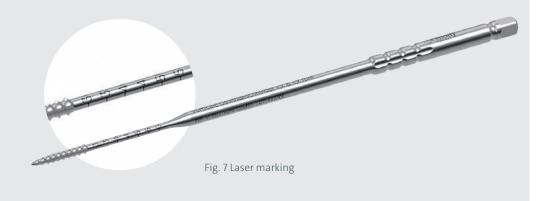


Fig. 6 Optional tapping

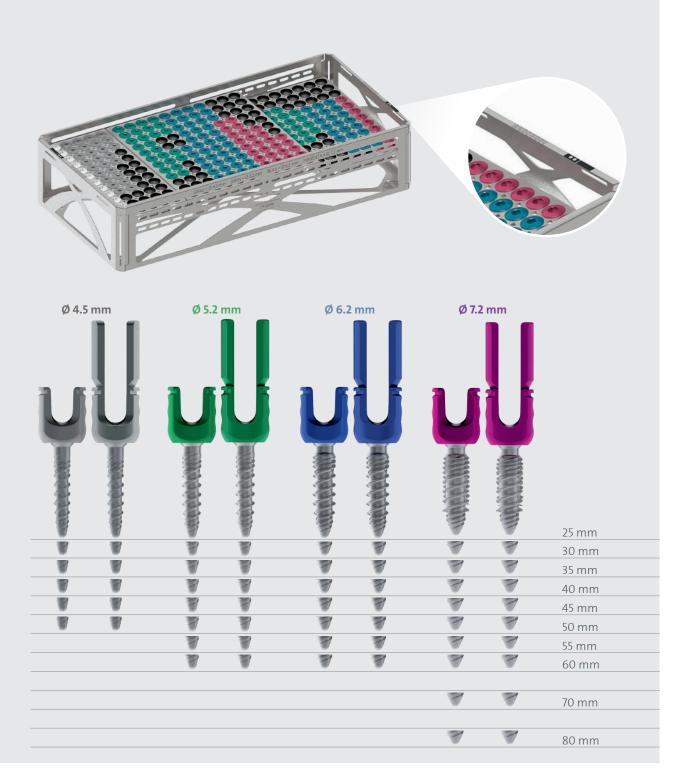


Selection of pedicle screws

To enable faster and easier identification, all VERTICALE Pedicle Screws are color coded by diameter. The lengths vary by 5 mm increments.

The side of the VERTICALE Screw Tray has a scale to verify the correct length of the pedicle screw.

NOTE: Using the A-P X-ray image, choose pedicle screws according to the pedicle diameter with the largest possible diameter. The length of the screw should be such that it reaches at least 2/3 of the diameter of the vertebral body, and in the best case the anterior edge of the vertebral body. A sacral screw fixation should be barely bicortical (perforation of the anterior cortex with at most one thread).



Preparing the pedicle screwdriver



* Further handle options are shown in the chapter "General Instruments".

screws (Fig. 10).



Picking up the screws

GI-3111* Ratchet T-Handle



VI-1130** **VERTICALE** Pedicle Screwdriver



The pedicle screws can be picked up inside or outside of the screw tray. Care must be taken to ensure an orthograde alignment between the screw head and screw shaft. When screws are picked up directly from the tray, orthograde alignment is generally assured. The VERTICALE Pedicle Screwdriver is first inserted deeply into the inner Torx of the screw shaft.

After that, the internal thread of the screw head is connected to the external thread of the instrument by rotating to the right and applying mild downward force with the instrument shaft (Fig. 11). Please make sure the connection is secure.

- * Further handle options are shown in the chapter "General Instruments".
- ** Further screwdrivers are shown in the chapter "Instruments".



Fig. 11 Connecting the pedicle screwdriver with a screw

Pedicle screw insertion

GI-3111* Ratchet T-Handle



VI-1130** **VERTICALE** Pedicle Screwdriver



The VERTICALE Pedicle Screws are screwed into the prepared screw channel until the screw shaft is fully inserted into the pedicle (Fig. 12). Screwing too far into the pedicle can restrict the mobility of the head and make it difficult to insert the rod later.

The instrument is then disengaged from the pedicle screw by rotating the middle part of the handle counterclockwise. This process is repeated until all pedicle screws have been inserted. Verifying the correct positioning of the pedicle screws by means of an image intensifier in frontal and sagittal projection is strongly recommended.

- * Further handle options are shown in the chapter "General
- ** Further screwdrivers are shown in the chapter "Instruments".

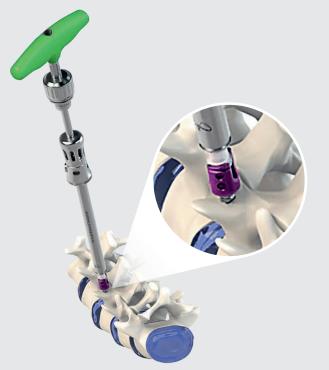


Fig. 12 Inserting the pedicle screw into the bone

NOTE: In the case of polyaxial screws, it is important that the polyaxiality of the screw head not be blocked. When using monoaxial screws, it must be ensured that the screw head is positioned in a superior-inferior direction. If necessary, the screw must be turned back a little.

Countersinking the pedicle screw

GI-3111* Ratchet T-Handle



VI-1445** VERTICALE T25 Screwdriver



The VERTICALE T25 Screwdriver Shaft with a handle is available for countersinking the pedicle screws (Fig. 13).

- * Further handle options are shown in the chapter "General Instruments".
- ** Further screwdriver shafts are shown in the chapter "Instruments".

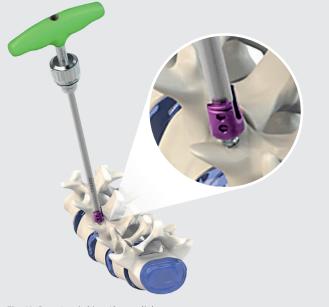


Fig. 13 Countersinking the pedicle screw

Aligning the screw heads

VI-1340 **VERTICALE** Rod and Tulip Adjuster



The VERTICALE Pedicle Screw heads are adjusted with the VERTICALE Rod and Tulip Adjuster. The adjuster is placed into the screw head and can then be used to align the screw depending on how the rod will subsequently be inserted (Fig. 14).

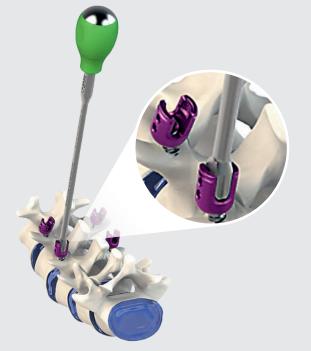


Fig. 14 Aligning the pedicle screw heads with the rod and tulip adjuster

Selecting and sizing the rods

VI-1260 VERTICALE Rod Cutter, compact, 5.5 mm



VI-1270 **VERTICALE** French Bender



Various rod lengths with a diameter of 5.5 mm are available. Details can be found in the appended product information

By default, the system comes with straight and pre-curved titanium rods and straight CoCr rods. All curved rods have a DECAgonal end on one side and all straight rods on both sides (Fig. 16). This makes it easier to perform necessary rotations. For individual anatomic adjustment of the rod, you can use the VERTICALE French Bender or the in-situ VERTICALE Rod Bender (Fig. 15). For 'Rotating the rod' and 'In-situ bending', see the chapter on VERTICALE instrumental reduction. Rods that are too long can be shortened with the VERTICALE Rod Cutter. When selecting the rod connection, make sure the rod length is adequate.



Fig. 15 Bending the rod with the VERTICALE French Bender

Fig. 16 Decagonal rod end for rotations



NOTE: Any bending back of the rod decreases the fatigue life of the material and should be avoided. For this reason, bending of the rod should be performed gradually until the desired curvature is attained.

Inserting the rods

VI-1320* VERTICALE Rod Holder

The rods are inserted using the VERTICALE Rod Holder (Fig. 17).

* Further rod holders are shown in the chapter "Instruments".

NOTE: Please note that the ends of the rods will protrude by 3 to 5 mm over the last pedicle screw head. The decagonal end must be fully visible. If necessary, a new rod length will have to be selected.

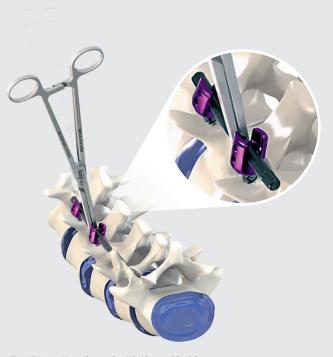


Fig. 17 Inserting the rod with the rod holder

Positioning the rods in the screw head



If the rod is not placed deep enough into the pedicle screw head, it can be maneuvered into the correct position with the VERTICALE Rod and Tulip Adjuster (Fig. 18).

The VERTICALE Rod and Tulip Adjuster can be used to insert the rod into the screw head.

* Further set screw starters are shown in the chapter "Instruments".

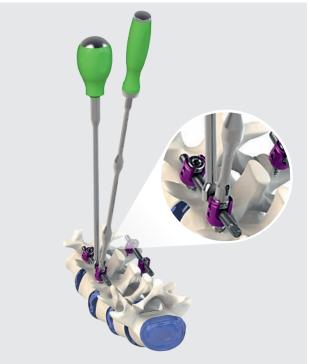


Fig. 18 Positioning the rod with the rod and tulip adjuster and the set screw starter

Temporarily fixing the set screw

VI-1420* **VERTICALE Set Screw Starter**

VI-1410 **VERTICALE** Protection Sleeve



The set screw is inserted with the VERTICALE Set Screw Starter. To do this, it is inserted into the Torx of the set screw (self-retaining). The rod is temporarily fixed by gently turning the set screw (Fig. 19A).

The VERTICALE Protection Sleeve can be used for guided insertion of the set screws. It is mounted onto the pedicle screw head and onto the rod (Fig. 19b) and fits onto both the pedicle screw head of the short head and long head screws.



Fig. 19a Set screw starter

Fig. 19b Set screw starter with protection sleeve

NOTE: Set screws should always be inserted with a smooth clockwise rotation. To prevent tilting, a brief prior counterclockwise rotation can facilitate insertion of the set screw into the first thread.





A VERTICALE Counter Torque is available to prevent rotation when tightening the set screw. The torque can be comfortably mounted parallel or at right angles to the rod (Fig. 20).

* Further set screw starters are shown in the chapter "Instruments".

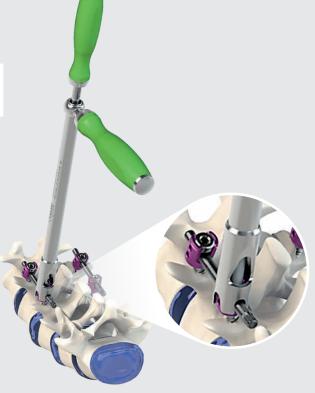
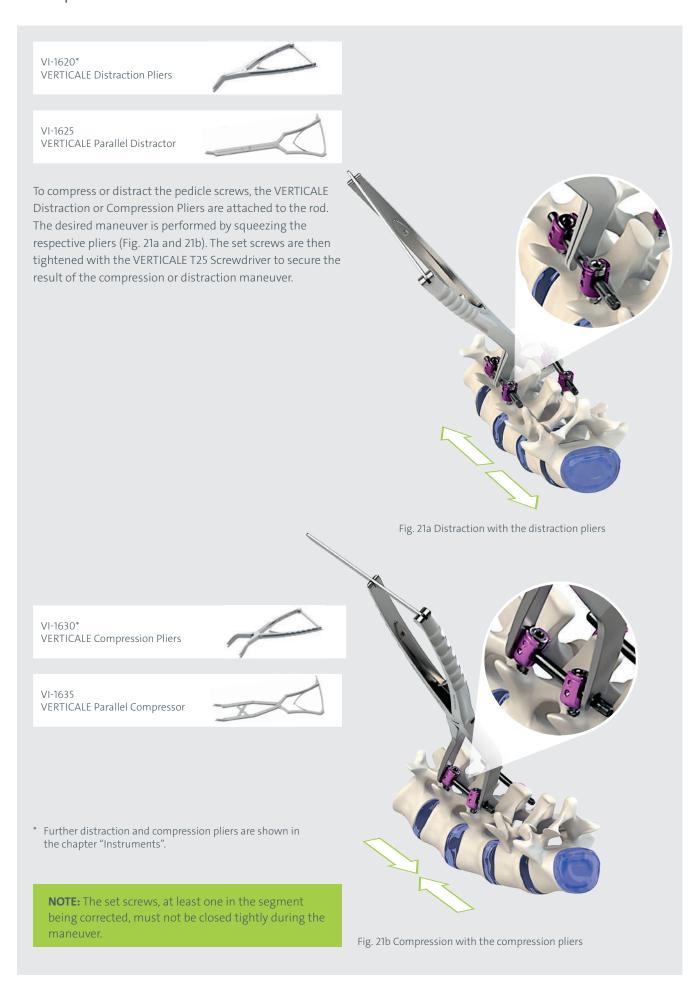


Fig. 20 Set screw starter with counter torque

Compression and distraction



Final tightening using the counter torque

VI-2440* VERTICALE T25 Torque Limiter



VI-1450 **VERTICALE** Counter Torque



The VERTICALE Counter Torque is used to stabilize the rotation when tightening the set screw in both the short and long head screw. In order to insert the set screw with guidance, the counter torque is placed directly onto the screw head. The VERTICALE T25 Torque Limiter can then be guided by the counter torque (Fig. 22) and the set screw tightened in its final position with a torque of 10 Nm (an audible click indicates that the torque has been reached).

The same procedure must be repeated with all other set screws.

We recommend ensuring that the screw is correctly seated by repeatedly tightening with the torque limiter. This is confirmed by two clicking sounds.

* Other torque limiters are shown in the chapter "Instruments".



Fig. 22 Final tightening with the counter torque

VERIFICATION

The result of the instrumentation is verified using images in two planes from an image intensifier.





VERTICALE® INSTRUMENT-BASED REDUCTION AND CORRECTION OPTIONS

It is often necessary to perform intraoperative reductions and corrections of the implant devices with the

Reduction with the reduction instrument



rod with the reduction insert into the base of the pedicle screw head. It is positively locked onto the screw head. The VERTICALE Reduction Insert is inserted into the reduction instrument while making sure that movement is not restricted. The rod is introduced into the screw head by turning the handle on the insert (Fig. 23). At the same time, the position of the vertebral body is corrected to posterior.

An option for more difficult reduction maneuvers is to attach a handle onto the VERTICALE Reduction Insert using the VERTICALE Torx Adapter. The handle enables the user to apply more force onto the reduction insert. The reduction counter handle can be used to counteract rotational forces.

* Further handle options are shown in the chapter "General Instruments".



Fig. 23 Reduction with the reduction instrument with reduction insert, T-handle, and reduction counter handle

NOTE: When using monoaxial screws it may be more difficult to assemble multiple reduction instruments because these must always be aligned in an orthograde position to the pedicle screw. In the event of severe lordosis, for example, the alignment of the reduction instrument may prevent the application of a second reduction instrument.

Reduction with the reduction instrument, compact

VI-1365 VERTICALE Reduction Instrument, compact



VI-1366 VERTICALE Reduction Insert, compact



The VERTICALE Reduction Instrument is first placed on the screw head. The upper end must be pressed downward which causes the clamp on the lower end to open (Fig. 24). Ensure that the instrument is correctly aligned before it is closed over the screw head. The VERTICALE Reduction Insert is then inserted into the VERTICALE Reduction Instrument (Fig. 25).

Turning the VERTICALE Reduction Insert (Fig. 26) creates a firm connection between the pedicle screw and the instrument, which is important for the reduction maneuver.



Fig. 24 Placement of the reduction instrument on the screw

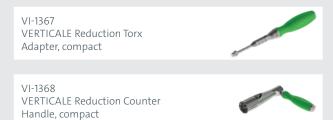


Fig. 25 Insertion of the reduction insert in the reduction instru-



Fig. 26 Screwing in of the reduction insert

Reduction with the reduction instrument, compact

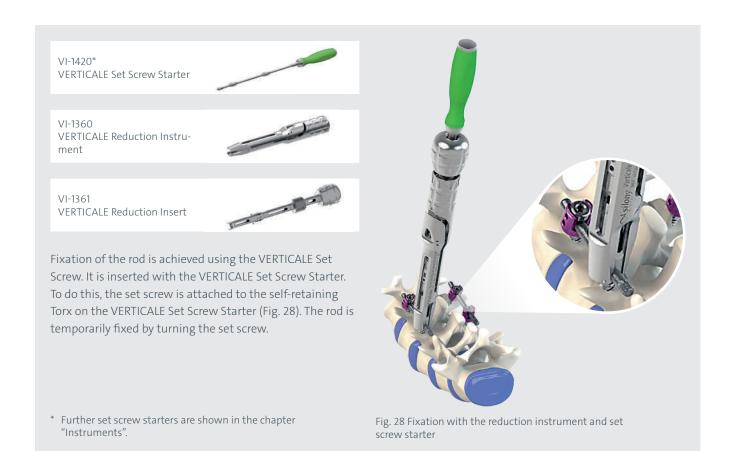


The VERTICALE Reduction Counter Torque is placed on the VERTICALE Reduction Instrument. More reduction force can be applied using the Torx adapter and the counter torque. The VERTICALE Reduction Torx Adapter grips into the insert and the rod is introduced into the screw head by turning the handle (Fig. 27). At the same time, the position of the vertebral body is corrected to posterior.



Fig. 27 Reduction maneuver with the reduction instrument using the counter torque

Fixing the rod in place with the reduction instrument



Reduction with the rocker instrument



To reduce the rod, the VERTICALE Rocker instrument is hooked into the lateral drill holes on the screw head. By pushing down the rocker in the direction of the arrows, the rod is levered into the screw head (Fig. 29). The set screw is inserted with the VERTICALE Set Screw Starter.

NOTE: Set screws should always be inserted with a smooth clockwise rotation. To prevent tilting, a brief prior counterclockwise rotation can facilitate insertion of the set screw into the first thread.

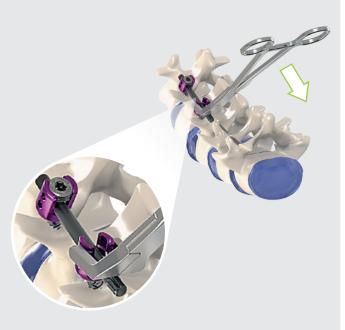


Fig. 29 Reduction with the rocker instrument

Correction aids

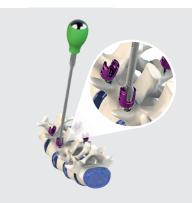
The following additional instruments are available as correction aids:

VI-1340 VERTICALE Rod and Tulip Adjuster



VERTICALE Rod and Tulip Adjuster

The rod and tulip adjuster can also be used to lever the rod into the pedicle screws.

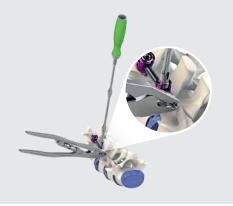


VI-1530 **VERTICALE** Rod Gripper



VERTICALE Rod Grippers

The rod can be securely and stably fixed during correction maneuvers using the VERTICALE Rod Grippers.

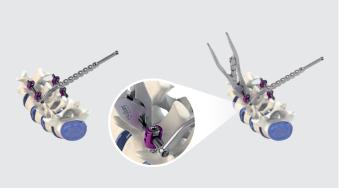


VERTICALE Rod Rotation Wrench



VERTICALE Rod Rotation Wrench

A rod rotation wrench is available for comfortable and gradual rotation of the rod (e.g., for derotation of scoliosis). This is attached to the decagonal end of the rod.



VI-1610 VERTICALE Rod Bender



Shaping rods with the VERTICALE Rod Benders (in-situ bending)

The VERTICALE Rod Benders are used to curve the rods insitu.



REDUCTION WITH THE VERTICALE® RE-**DUCTION SCREWS**

The extended head profile of the reduction screw (long head) facilitates reduction of the rod with no need

The instrumentation workflow when using the VERTICALE Reduction Screws is the same as that for pedicle screws; however, when fixing the screws into place, the VERTICALE Pedicle Screwdriver has to be brought into the position for reduction screws (see the section on preparing the pedicle screwdriver).

They are particularly well suited for deformities and spondylolisthesis because they make it easier to insert the rod into the screw head.

Inserting the set screw into the reduction screw



In order to prevent spreading of the tabs when inserting the set screw, the VERTICALE Protection Sleeve has to be placed onto the reduction screw beforehand (Fig. 30).

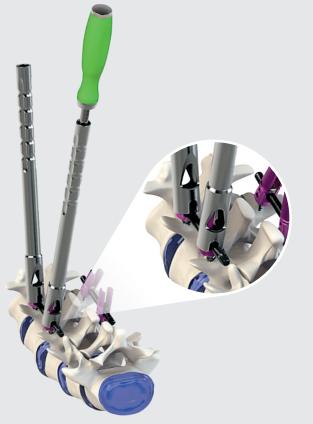


Fig. 30 Attaching the VERTICALE Protection Sleeve to protect the screw tabs.

^{*} Further set screw starters are shown in the chapter "Instruments".

Removing the tabs

VI-1160 VERTICALE Break-Off Tool



After a reduction maneuver, the protruding tabs of the head profile of the reduction screws are broken off by gently tilting them using the VERTICALE Break-Off Tool (Fig. 31). The break-off tool can hold up to six tabs in its reservoir before it has to be emptied.

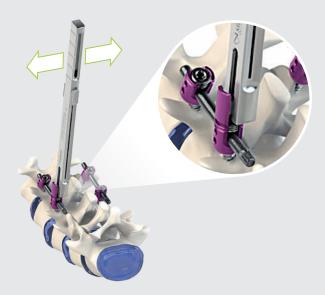


Fig. 31 Breaking off the tabs with the tab remover

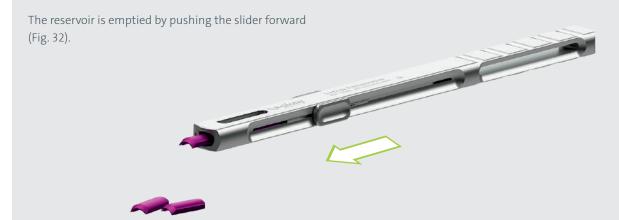


Fig. 32 Tab remover with tab ejector

INSTRUMENTATION WITH THE VERTICA-LE® CONNECTORS

VERTICALE Cross Connectors are recommended to improve rotational stability, especially

Inserting the cross connectors

VERTICALE T20 Screwdriver 7 Nm



VI-1830 VERTICALE Rod and Cross Connector Holder



The VERTICALE Cross Connector Hook is engaged with the VERTICALE Rod and Cross Connector Holder and placed onto the first VERTICALE Cross Connector Rod (Fig. 33).

First, the blue set screws are inserted loosely into the cross connector hooks using the VERTICALE T20 Screwdriver 7 Nm.

After that, the cross connector rod is engaged with the VERTICALE Rod and Cross Connector Holder and inserted between the first hook and the first long rod. The cross rod then has to be positioned as far laterally until the second hook can be placed onto the contralateral long rod. If necessary, the first hook can be provisionally tightened with the VERTICALE T20 Screwdriver 7 Nm.

When inserting the second hook, the set screw of the first hook has to be loosened, if necessary, in order to be able to push the cross connector rod under the second hook and position it in the middle.

After that, the set screws are tightened in the cross connector hook using the VERTICALE T20 Screwdriver 7 Nm (Fig. 34).

We recommend ensuring that the screw is correctly seated by repeatedly tightening with the VERTICALE T20 Screwdriver 7 Nm. This is confirmed by two clicking sounds.



Fig. 33 Attaching the connector hook

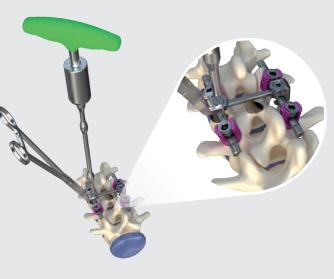


Fig. 34 Inserting a cross connector

Inserting the lengthwise connectors

VI-1820 **VERTICALE** Domino Holder



VI-1830 VERTICALE Rod and Cross Connector Holder



VERTICALE Domino (side-to-side) and Inline Rod Connectors are available for connecting the VERTICALE 5.5-mm Rods lengthwise in order to enable a connection to be made between a new segment and a previously treated fusion segment using 5.5-mm cross connector rods.

The blue set screws are first inserted loosely into the cross connectors with the VERTICALE T20 Screwdriver 7 Nm.

The VERTICALE Rod and Cross Connector Holder is used to engage the inline rod connectors (Fig. 35) while the VERTICALE Domino Holder is used to engage the VERTICALE Domino Rod Connector (Fig. 36). Before the set screws are tightened, the rods have to be inserted into the rod connectors as deeply as possible. This can be checked in the viewing panel of the respective inline rod connector. The final fixing into place is done by tightening the set screws with the VERTICALE T20 Screwdriver 7 Nm to a specified torque of 7 Nm.



Fig. 35 Inserting a VERTICALE Inline Rod Connector

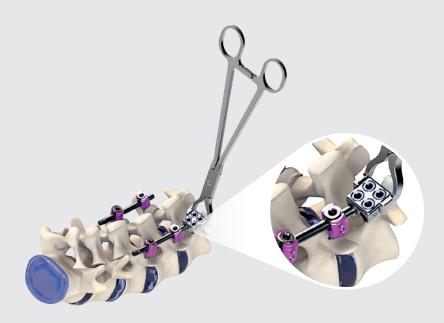


Fig. 36 Rod and cross connector holder with rod connector (side-to-side)

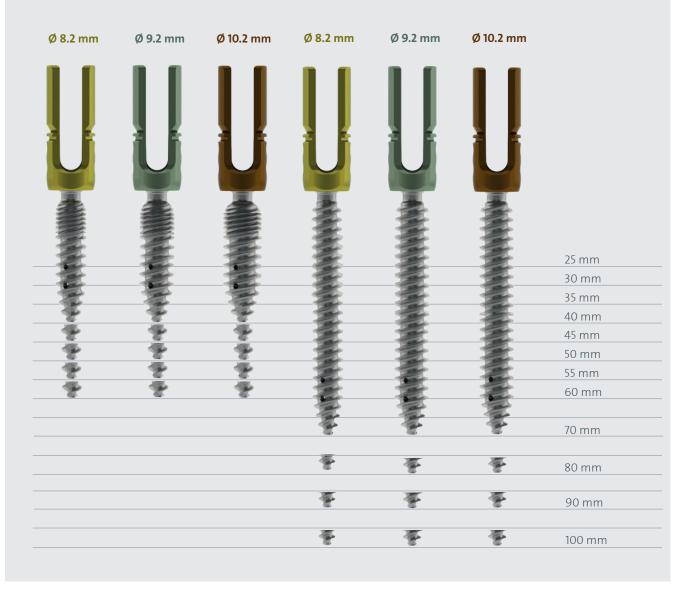
Selection of iliac screws

Using a large screw diameter can lead to torque forces during implantation that are too high and these may possibly affect the stability and use of the instruments, particularly the screwdriver. The following information highlights important details for implantation or explantation of screws with large diameters in order to eliminate potential problems.

Silony provides a comprehensive screw portfolio for spinal surgery, including large diameters of 8.2, 9.2, and 10.2 mm and lengths from 25 mm to 100 mm. These screws were specifically constructed for applications with large pedicles, iliac screw connections, and revisions.

The design includes the same product properties as for screw types with the smaller diameter, that is, self-tapping shaft tips and shaft cannulation for simplified positioning and insertion.

Larger screw diameters often require a higher torque during implantation compared to smaller screw types. Therefore, very high forces can be exerted on the instrument/implant connection which increase the risk of material wear or defective components in the screwdriver or screw head.



Preparation and explantation

Thread pre-tapping

Before the implantation of large screw diameters, it is recommended that the thread is prepared with the associated taps in the same manner as recommended for smaller diameters. If the screw requires unusually high forces for further screwing in after partial insertion, it is recommended to remove the screw using either the VERTICALE T25 Screwdriver Shaft or VERTICALE T25 SD Shaft Spherical Head. The thread should be cut again and the screw should then be implanted with the screwdriver. If necessary, selecting a better screw could be an alternative.

Explantation of large screw diameter

If a screw with a large diameter has to be removed, preferably use the VERTICALE T25 Screwdriver Shaft or the VERTICALE T25 SD Shaft Spherical Head. These instruments were specifically designed for higher torques and tolerate them much better. It should be noted that these instruments do not ensure mechanical stability for their instrument/implant connection as provided by the VERTICALE Pedicle Screwdriver. These instruments are therefore optimally designed for the explantation of large screw diameters.

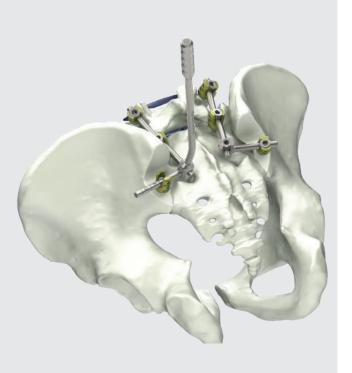
Handles

For screw implantation it is highly recommended to use the straight or drop handle. The use of T-handles (that is, GI-3111, GI-3101, GI-2111, or GI-2101) is not recommended because T-handles can generate a larger torque without providing the desired tactile feedback about the applied torque.

Inserting the iliac connector



The iliac connector can be used to connect the iliac screw with the rod. The gauge can be used to determine the correct length of the iliac connector. The iliac connector is grasped with the rod gripper. The head of the connector is inserted on the rod and fixed loosely with a set screw. Then lay the other end in the screw head of the iliac screw. The set screws should only be tightened with the VERTICALE T25 Screwdriver and the VERTICALE Counter Torque when the positioning is fully completed. If necessary, shorten the rod to the right length before screwing together.



NOTE: The distances marked on the template correspond to the implant size (mm).

Removing the implants

To remove an implant, carry out the following steps as described. Pay attention to the loosened implant and screws during the procedures.

STEP 1: Remove the cross connector

Use the VERTICALE T20 Screwdriver or the VERTICALE Screwdriver Shaft Spherical Head to loosen the set screws on both sides of the cross connector hook by turning the handle counterclockwise. As soon as the screws are loosened, use the VERTICALE Rod and Cross Connector Holder to grasp the cross connector and remove it from the hook. Then use the VERTICALE Rod and Cross Connector Holder to remove the hook from the cross connector rod.

STEP 2: Remove the set screws

Insert the VERTICALE T25 Screwdriver or the VERTICALE Screwdriver Shaft Spherical Head and turn the set screw counterclockwise until it is loosened. The VERTICALE Counter Torque is used to stabilize the rotation when loosening the set screw. Repeat this step until all the set screws have been loosened.

Remove the VERTICALE T25 Screwdriver or the VERTICALE Screwdriver Shaft Spherical Head and place the VERTICALE Set Screw Starter into the screw. The set screw is tightened with the Torx of the basic core and secured using the internal groove. Repeat the procedure until all set screws have been removed.

STEP 3: Remove the rod and/or the rod connector

As soon as all set screws have been removed, grasp the rod with the VERTICALE Rod Holder and lift it to remove the rod from the screw heads. To remove a rod-to-rod connector, the VERTICALE Domino, use the VERTICALE T20 Screwdriver or the VERTICALE Screwdriver Shaft Spherical Head to loosen the fixation screws of the VERTICALE Domino by rotating counterclockwise. Use the VERTICALE Domino Holder and the VERTICALE Rod and Cross Connector Holder to remove the VERTICALE Domino and the rod by lifting them.

STEP 4: Remove the pedicle screw

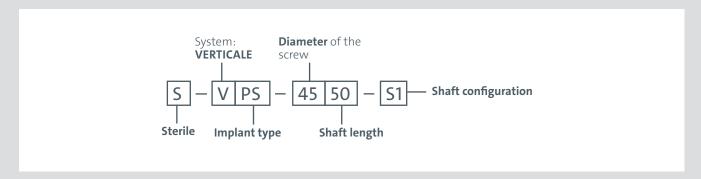
The VERTICALE T25 Screwdriver or the VERTICALE Screwdriver Shaft Spherical Head is used to remove the pedicle screws. The VERTICALE T25 Screw Driver is inserted deeply into the internal Torx of the screw for fixation and turned inward over the sleeve of the pedicle screwdriver. Turn the screwdriver or the screw driver shaft counterclockwise until the pedicle screw has been completely removed from the bone.

VERTICALE® PRODUCT INFORMATION

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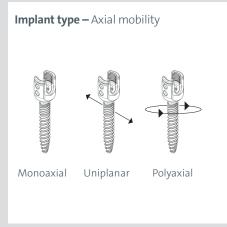
Article number explanation for screws, as an example

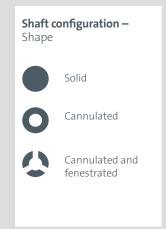
VERTICALE Poly Screw Ø 4.5 × 50 mm, solid







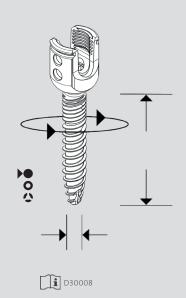




System: VERTICALE

Implant type: Pedicle screw

Typing: Polyaxial, solid shaft



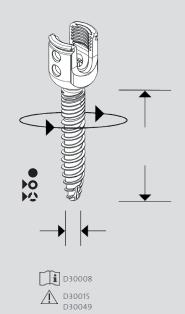
Article number	Description	Illustration
VPS-4525-S1	VERTICALE Poly Screw Ø 4.5 ♦ 25 mm, solid	3.5
VPS-4530-S1	VERTICALE Poly Screw Ø 4.5 ♦ 30 mm, solid	U
VPS-4535-S1	VERTICALE Poly Screw Ø 4.5 ♦ 35 mm, solid	I
VPS-4540-S1	VERTICALE Poly Screw Ø 4.5 ♦ 40 mm, solid	8
VPS-4545-S1	VERTICALE Poly Screw Ø 4.5 ♦ 45 mm, solid	
VPS-4550-S1	VERTICALE Poly Screw Ø 4.5 ♦ 50 mm, solid	*
VPS-5225-S1	VERTICALE Poly Screw Ø 5.2 ♦ 25 mm, solid	
VPS-5230-S1	VERTICALE Poly Screw Ø 5.2 ♦ 30 mm, solid	1.6
VPS-5235-S1	VERTICALE Poly Screw Ø 5.2 ♦ 35 mm, solid	Ų
VPS-5240-S1	VERTICALE Poly Screw Ø 5.2 ♦ 40 mm, solid	
VPS-5245-S1	VERTICALE Poly Screw Ø 5.2 ♦ 45 mm, solid	999
VPS-5250-S1	VERTICALE Poly Screw Ø 5.2 ♦ 50 mm, solid	Q
VPS-5255-S1	VERTICALE Poly Screw Ø 5.2 ♦ 55 mm, solid	Ţ,
VPS-5260-S1	VERTICALE Poly Screw Ø 5.2 ♦ 60 mm, solid	
VPS-6225-S1	VERTICALE Poly Screw Ø 6.2 ♦ 25 mm, solid	
VPS-6230-S1	VERTICALE Poly Screw Ø 6.2 ♦ 30 mm, solid	
VPS-6235-S1	VERTICALE Poly Screw Ø 6.2 ♦ 35 mm, solid	u
VPS-6240-S1	VERTICALE Poly Screw Ø 6.2 ♦ 40 mm, solid	
VPS-6245-S1	VERTICALE Poly Screw Ø 6.2 ♦ 45 mm, solid	80
VPS-6250-S1	VERTICALE Poly Screw Ø 6.2 ♦ 50 mm, solid	99
VPS-6255-S1	VERTICALE Poly Screw Ø 6.2 ♦ 55 mm, solid	*
VPS-6260-S1	VERTICALE Poly Screw Ø 6.2 ♦ 60 mm, solid	
VPS-7225-S1	VERTICALE Poly Screw Ø 7.2 ♦ 25 mm, solid	
VPS-7230-S1	VERTICALE Poly Screw Ø 7.2 ♦ 30 mm, solid	
VPS-7235-S1	VERTICALE Poly Screw Ø 7.2 ♦ 35 mm, solid	
VPS-7240-S1	VERTICALE Poly Screw Ø 7.2 ♦ 40 mm, solid	
VPS-7245-S1	VERTICALE Poly Screw Ø 7.2 ♦ 45 mm, solid	
VPS-7250-S1	VERTICALE Poly Screw Ø 7.2 ♦ 50 mm, solid	
VPS-7255-S1	VERTICALE Poly Screw Ø 7.2 ♦ 55 mm, solid	
VPS-7260-S1	VERTICALE Poly Screw Ø 7.2 ♦ 60 mm, solid	
VPS-7270-S1	VERTICALE Poly Screw Ø 7.2 ◊ 70 mm, solid	
VPS-7280-S1	VERTICALE Poly Screw Ø 7.2 ♦ 80 mm, solid	

Article number	Description	Illustration
VPS-4525-K1	VERTICALE Poly Screw Ø 4.5 × 25 mm, can	3.5
VPS-4530-K1	VERTICALE Poly Screw Ø 4.5 ♦ 30 mm, can	U
VPS-4535-K1	VERTICALE Poly Screw Ø 4.5 ♦ 35 mm, can	
VPS-4540-K1	VERTICALE Poly Screw Ø 4.5 ♦ 40 mm, can	96
VPS-4545-K1	VERTICALE Poly Screw Ø 4.5 ♦ 45 mm, can	900
VPS-4550-K1	VERTICALE Poly Screw Ø 4.5 ♦ 50 mm, can	평
VPS-5225-K1	VERTICALE Poly Screw Ø 5.2 ♦ 25 mm, can	
VPS-5230-K1	VERTICALE Poly Screw Ø 5.2 ♦ 30 mm, can	
VPS-5235-KF1	VERTICALE Poly Screw Ø 5.2 ♦ 35 mm, can+fen	u
VPS-5240-KF1	VERTICALE Poly Screw Ø 5.2 ♦ 40 mm, can+fen	
VPS-5245-KF1	VERTICALE Poly Screw Ø 5.2 ♦ 45 mm, can+fen	880
VPS-5250-KF1	VERTICALE Poly Screw Ø 5.2 ♦ 50 mm, can+fen	
VPS-5255-KF1	VERTICALE Poly Screw Ø 5.2 ♦ 55 mm, can+fen	₩
VPS-5260-KF1	VERTICALE Poly Screw Ø 5.2 ♦ 60 mm, can+fen	
VPS-6225-K1	VERTICALE Poly Screw Ø 6.2 ♦ 25 mm, can	
VPS-6230-K1	VERTICALE Poly Screw Ø 6.2 ◊ 30 mm, can	
VPS-6235-KF1	VERTICALE Poly Screw Ø 6.2 ◊ 35 mm, can+fen	U
VPS-6240-KF1	VERTICALE Poly Screw Ø 6.2 ◊ 40 mm, can+fen	
VPS-6245-KF1	VERTICALE Poly Screw Ø 6.2 ◊ 45 mm, can+fen	1000
VPS-6250-KF1	VERTICALE Poly Screw Ø 6.2 ♦ 50 mm, can+fen	
VPS-6255-KF1	VERTICALE Poly Screw Ø 6.2 ♦ 55 mm, can+fen	•
VPS-6260-KF1	VERTICALE Poly Screw Ø 6.2 ♦ 60 mm, can+fen	
VPS-7225-K1	VERTICALE Poly Screw Ø 7.2 ♦ 25 mm, can	
VPS-7230-K1	VERTICALE Poly Screw Ø 7.2 ♦ 30 mm, can	
VPS-7235-KF1	VERTICALE Poly Screw Ø 7.2 ♦ 35 mm, can+fen	
VPS-7240-KF1	VERTICALE Poly Screw Ø 7.2 ♦ 40 mm, can+fen	
VPS-7245-KF1	VERTICALE Poly Screw Ø 7.2 ♦ 45 mm, can+fen	
VPS-7250-KF1	VERTICALE Poly Screw Ø 7.2 ♦ 50 mm, can+fen	
VPS-7255-KF1	VERTICALE Poly Screw Ø 7.2 ♦ 55 mm, can+fen	
VPS-7260-KF1	VERTICALE Poly Screw Ø 7.2 ♦ 60 mm, can+fen	₩
VPS-7270-KF1	VERTICALE Poly Screw Ø 7.2 ♦ 70 mm, can+fen	
VPS-7280-KF1	VERTICALE Poly Screw Ø 7.2 ♦ 80 mm, can+fen	

System: VERTICALE

Implant type: Pedicle screw

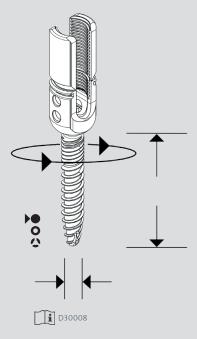
Typing: Polyaxial, cannulated and fenestrated shaft



System: VERTICALE

Implant type: Pedicle screw

Typing: Polyaxial, reduction, solid shaft



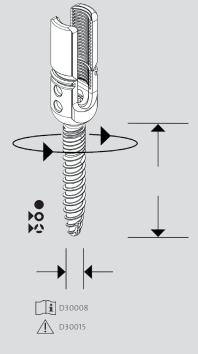
Article number	Description	Illustration
VPS-4525-RS2	VERTICALE Reduction Screw Ø 4.5 ♦ 25 mm, solid	1.1
VPS-4530-RS2	VERTICALE Reduction Screw Ø 4.5 ♦ 30 mm, solid	I I
VPS-4535-RS2	VERTICALE Reduction Screw Ø 4.5 ♦ 35 mm, solid	U
VPS-4540-RS2	VERTICALE Reduction Screw Ø 4.5 ♦ 40 mm, solid	
VPS-4545-RS2	VERTICALE Reduction Screw Ø 4.5 ♦ 45 mm, solid	
VPS-4550-RS2	VERTICALE Reduction Screw Ø 4.5 ♦ 50 mm, solid	*
VPS-5225-RS2	VERTICALE Reduction Screw Ø 5.2 ♦ 25 mm, solid	
VPS-5230-RS2	VERTICALE Reduction Screw Ø 5.2 ♦ 30 mm, solid	
VPS-5235-RS2	VERTICALE Reduction Screw Ø 5.2 ♦ 35 mm, solid	
VPS-5240-RS2	VERTICALE Reduction Screw Ø 5.2 ♦ 40 mm, solid	U
VPS-5245-RS2	VERTICALE Reduction Screw Ø 5.2 ♦ 45 mm, solid	
VPS-5250-RS2	VERTICALE Reduction Screw Ø 5.2 ♦ 50 mm, solid	80
VPS-5255-RS2	VERTICALE Reduction Screw Ø 5.2 ♦ 55 mm, solid	₩
VPS-5260-RS2	VERTICALE Reduction Screw Ø 5.2 ♦ 60 mm, solid	_
VPS-6225-RS2	VERTICALE Reduction Screw Ø 6.2 ♦ 25 mm, solid	
VPS-6230-RS2	VERTICALE Reduction Screw Ø 6.2 ♦ 30 mm, solid	11
VPS-6235-RS2	VERTICALE Reduction Screw Ø 6.2 ♦ 35 mm, solid	
VPS-6240-RS2	VERTICALE Reduction Screw Ø 6.2 ♦ 40 mm, solid	Ų
VPS-6245-RS2	VERTICALE Reduction Screw Ø 6.2 ♦ 45 mm, solid	
VPS-6250-RS2	VERTICALE Reduction Screw Ø 6.2 ♦ 50 mm, solid	
VPS-6255-RS2	VERTICALE Reduction Screw Ø 6.2 ♦ 55 mm, solid	₩
VPS-6260-RS2	VERTICALE Reduction Screw Ø 6.2 ♦ 60 mm, solid	
VPS-7225-RS2	VERTICALE Reduction Screw Ø 7.2 ♦ 25 mm, solid	
VPS-7230-RS2	VERTICALE Reduction Screw Ø 7.2 ♦ 30 mm, solid	
VPS-7235-RS2	VERTICALE Reduction Screw Ø 7.2 ♦ 35 mm, solid	
VPS-7240-RS2	VERTICALE Reduction Screw Ø 7.2 ♦ 40 mm, solid	
VPS-7245-RS2	VERTICALE Reduction Screw Ø 7.2 ♦ 45 mm, solid	U
VPS-7250-RS2	VERTICALE Reduction Screw Ø 7.2 ♦ 50 mm, solid	
VPS-7255-RS2	VERTICALE Reduction Screw Ø 7.2 ♦ 55 mm, solid	
VPS-7260-RS2	VERTICALE Reduction Screw Ø 7.2 ♦ 60 mm, solid	*
VPS-7270-RS2	VERTICALE Reduction Screw Ø 7.2 ♦ 70 mm, solid	
VPS-7280-RS2	VERTICALE Reduction Screw Ø 7.2 ♦ 80 mm, solid	

Article number	Description	Illustration
VPS-4525-RK2	VERTICALE Reduction Screw Ø 4.5 ♦ 25 mm, can	
VPS-4530-RK2	VERTICALE Reduction Screw Ø 4.5 ♦ 30 mm, can]]
VPS-4535-RK2	VERTICALE Reduction Screw Ø 4.5 ♦ 35 mm, can	Ų
VPS-4540-RK2	VERTICALE Reduction Screw Ø 4.5 ♦ 40 mm, can	
VPS-4545-RK2	VERTICALE Reduction Screw Ø 4.5 ♦ 45 mm, can	
VPS-4550-RK2	VERTICALE Reduction Screw Ø 4.5 ♦ 50 mm, can	₩
VPS-5225-RK2	VERTICALE Reduction Screw Ø 5.2 ♦ 25 mm, can	
VPS-5230-RK2	VERTICALE Reduction Screw Ø 5.2 ♦ 30 mm, can	
VPS-5235-RF2	VERTICALE Reduction Screw Ø 5.2 ♦ 35 mm, can+fen	!!
VPS-5240-RF2	VERTICALE Reduction Screw Ø 5.2 ♦ 40 mm, can+fen	Ų
VPS-5245-RF2	VERTICALE Reduction Screw Ø 5.2 ♦ 45 mm, can+fen	
VPS-5250-RF2	VERTICALE Reduction Screw Ø 5.2 ♦ 50 mm, can+fen	
VPS-5255-RF2	VERTICALE Reduction Screw Ø 5.2 ♦ 55 mm, can+fen	₩
VPS-5260-RF2	VERTICALE Reduction Screw Ø 5.2 ♦ 60 mm, can+fen	
VPS-6225-RK2	VERTICALE Reduction Screw Ø 6.2 ♦ 25 mm, can	
VPS-6230-RK2	VERTICALE Reduction Screw Ø 6.2 ♦ 30 mm, can	11
VPS-6235-RF2	VERTICALE Reduction Screw Ø 6.2 ♦ 35 mm, can+fen	11
VPS-6240-RF2	VERTICALE Reduction Screw Ø 6.2 ♦ 40 mm, can+fen	Ų
VPS-6245-RF2	VERTICALE Reduction Screw Ø 6.2 ♦ 45 mm, can+fen	
VPS-6250-RF2	VERTICALE Reduction Screw Ø 6.2 ♦ 50 mm, can+fen	
VPS-6255-RF2	VERTICALE Reduction Screw Ø 6.2 ♦ 55 mm, can+fen	*
VPS-6260-RF2	VERTICALE Reduction Screw Ø 6.2 ♦ 60 mm, can+fen	
VPS-7225-RK2	VERTICALE Reduction Screw Ø 7.2 ♦ 25 mm, can	
VPS-7230-RK2	VERTICALE Reduction Screw Ø 7.2 ♦ 30 mm, can	
VPS-7235-RF2	VERTICALE Reduction Screw Ø 7.2 ♦ 35 mm, can+fen	- 11
VPS-7240-RF2	VERTICALE Reduction Screw Ø 7.2 ♦ 40 mm, can+fen	11
VPS-7245-RF2	VERTICALE Reduction Screw Ø 7.2 ♦ 45 mm, can+fen	Ų
VPS-7250-RF2	VERTICALE Reduction Screw Ø 7.2 ♦ 50 mm, can+fen	
VPS-7255-RF2	VERTICALE Reduction Screw Ø 7.2 ♦ 55 mm, can+fen	
VPS-7260-RF2	VERTICALE Reduction Screw Ø 7.2 ♦ 60 mm, can+fen	₩
VPS-7270-RF2	VERTICALE Reduction Screw Ø 7.2 ♦ 70 mm, can+fen	
VPS-7280-RF2	VERTICALE Reduction Screw Ø 7.2 ♦ 80 mm, can+fen	

System: VERTICALE

Implant type: Pedicle screw

Typing: Polyaxial, reduction, cannulated and fenestrated shaft



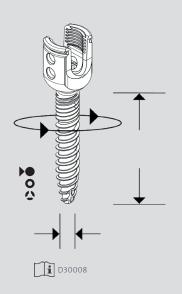
System: VERTICALE

Implant type: Pedicle screw

Typing: Polyaxial ST, solid shaft

Material: Ti6Al4V ELI

All articles are also available as a sterile variant. The article number is then preceded by the prefix S-.



Article number	Description	Illustration
VPS-4525-S2	VERTICALE Poly screw ST Ø 4.5 ♦ 25 mm, solid	3.5
VPS-4530-S2	VERTICALE Poly screw ST Ø 4.5 ♦ 30 mm, solid	U
VPS-4535-S2	VERTICALE Poly screw ST Ø 4.5 ♦ 35 mm, solid	
VPS-4540-S2	VERTICALE Poly screw ST Ø 4.5 ♦ 40 mm, solid	9
VPS-4545-S2	VERTICALE Poly screw ST Ø 4.5 ♦ 45 mm, solid	8
VPS-4550-S2	VERTICALE Poly screw ST Ø 4.5 ♦ 50 mm, solid	•
VPS-5225-S2	VERTICALE Poly screw ST Ø 5.2 ♦ 25 mm, solid	
VPS-5230-S2	VERTICALE Poly screw ST Ø 5.2 ♦ 30 mm, solid	11
VPS-5235-S2	VERTICALE Poly screw ST Ø 5.2 ♦ 35 mm, solid	
VPS-5240-S2	VERTICALE Poly screw ST Ø 5.2 ♦ 40 mm, solid	
VPS-5245-S2	VERTICALE Poly screw ST Ø 5.2 ♦ 45 mm, solid	9500
VPS-5250-S2	VERTICALE Poly screw ST Ø 5.2 ♦ 50 mm, solid	
VPS-5255-S2	VERTICALE Poly screw ST Ø 5.2 ♦ 55 mm, solid	•
VPS-5260-S2	VERTICALE Poly screw ST Ø 5.2 ♦ 60 mm, solid	
VPS-6225-S2	VERTICALE Poly screw ST Ø 6.2 ♦ 25 mm, solid	
VPS-6230-S2	VERTICALE Poly screw ST Ø 6.2 ♦ 30 mm, solid	
VPS-6235-S2	VERTICALE Poly screw ST Ø 6.2 ♦ 35 mm, solid	U
VPS-6240-S2	VERTICALE Poly screw ST Ø 6.2 ♦ 40 mm, solid	
VPS-6245-S2	VERTICALE Poly screw ST Ø 6.2 ♦ 45 mm, solid	100000
VPS-6250-S2	VERTICALE Poly screw ST Ø 6.2 ♦ 50 mm, solid	9999
VPS-6255-S2	VERTICALE Poly screw ST Ø 6.2 ♦ 55 mm, solid	*
VPS-6260-S2	VERTICALE Poly screw ST Ø 6.2 ♦ 60 mm, solid	
VPS-7225-S2	VERTICALE Poly screw ST Ø 7.2 ♦ 25 mm, solid	
VPS-7230-S2	VERTICALE Poly screw ST Ø 7.2 ♦ 30 mm, solid	
VPS-7235-S2	VERTICALE Poly screw ST Ø 7.2 ♦ 35 mm, solid	1.6
VPS-7240-S2	VERTICALE Poly screw ST Ø 7.2 ♦ 40 mm, solid	- U
VPS-7245-S2	VERTICALE Poly screw ST Ø 7.2 ♦ 45 mm, solid	
VPS-7250-S2	VERTICALE Poly screw ST Ø 7.2 ♦ 50 mm, solid	-
VPS-7255-S2	VERTICALE Poly screw ST Ø 7.2 ♦ 55 mm, solid	
VPS-7260-S2	VERTICALE Poly screw ST Ø 7.2 ♦ 60 mm, solid	
VPS-7270-S2	VERTICALE Poly screw ST Ø 7.2 ◊ 70 mm, solid	
VPS-7280-S2	VERTICALE Poly screw ST Ø 7.2 ♦ 80 mm, solid	

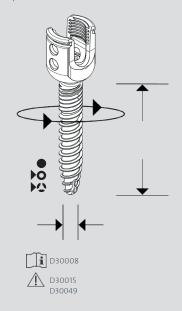
Article number	Description	Illustration
VPS-4525-K2	VERTICALE Poly Screw ST Ø 4.5 ♦ 25 mm, can	
VPS-4530-K2	VERTICALE Poly Screw ST Ø 4.5 ♦ 30 mm, can	u
VPS-4535-K2	VERTICALE Poly Screw ST Ø 4.5 ♦ 35 mm, can	T
VPS-4540-K2	VERTICALE Poly Screw ST Ø 4.5 ♦ 40 mm, can	
VPS-4545-K2	VERTICALE Poly Screw ST Ø 4.5 ♦ 45 mm, can	
VPS-4550-K2	VERTICALE Poly Screw ST Ø 4.5 ♦ 50 mm, can	*
VPS-5225-K2	VERTICALE Poly Screw ST Ø 5.2 ♦ 25 mm, can	
VPS-5230-K2	VERTICALE Poly Screw ST Ø 5.2 ♦ 30 mm, can	1.1
VPS-5235-KF2	VERTICALE Poly Screw ST Ø 5.2 ♦ 35 mm, can+fen	
VPS-5240-KF2	VERTICALE Poly Screw ST Ø 5.2 ♦ 40 mm, can+fen	
VPS-5245-KF2	VERTICALE Poly Screw ST Ø 5.2 ♦ 45 mm, can+fen	9900
VPS-5250-KF2	VERTICALE Poly Screw ST Ø 5.2 ♦ 50 mm, can+fen	9
VPS-5255-KF2	VERTICALE Poly Screw ST Ø 5.2 ♦ 55 mm, can+fen	
VPS-5260-KF2	VERTICALE Poly Screw ST Ø 5.2 ♦ 60 mm, can+fen	-
VPS-6225-K2	VERTICALE Poly Screw ST Ø 6.2 ♦ 25 mm, can	
VPS-6230-K2	VERTICALE Poly Screw ST Ø 6.2 ♦ 30 mm, can	3.6
VPS-6235-KF2	VERTICALE Poly Screw ST Ø 6.2 ♦ 35 mm, can+fen	U
VPS-6240-KF2	VERTICALE Poly Screw ST Ø 6.2 ◊ 40 mm, can+fen	
VPS-6245-KF2	VERTICALE Poly Screw ST Ø 6.2 ♦ 45 mm, can+fen	9
VPS-6250-KF2	VERTICALE Poly Screw ST Ø 6.2 ♦ 50 mm, can+fen	
VPS-6255-KF2	VERTICALE Poly Screw ST Ø 6.2 ♦ 55 mm, can+fen	8
VPS-6260-KF2	VERTICALE Poly Screw ST Ø 6.2 ♦ 60 mm, can+fen	-
VPS-7225-K2	VERTICALE Poly Screw ST Ø 7.2 ♦ 25 mm, can	
VPS-7230-K2	VERTICALE Poly Screw ST Ø 7.2 ♦ 30 mm, can	-
VPS-7235-KF2	VERTICALE Poly Screw ST Ø 7.2 ♦ 35 mm, can+fen	1.6
VPS-7240-KF2	VERTICALE Poly Screw ST Ø 7.2 ♦ 40 mm, can+fen	
VPS-7245-KF2	VERTICALE Poly Screw ST Ø 7.2 ♦ 45 mm, can+fen	
VPS-7250-KF2	VERTICALE Poly Screw ST Ø 7.2 ◊ 50 mm, can+fen	90
VPS-7255-KF2	VERTICALE Poly Screw ST Ø 7.2 ♦ 55 mm, can+fen	
VPS-7260-KF2	VERTICALE Poly Screw ST Ø 7.2 ♦ 60 mm, can+fen	
VPS-7270-KF2	VERTICALE Poly Screw ST Ø 7.2 ◊ 70 mm, can+fen	
VPS-7280-KF2	VERTICALE Poly Screw ST Ø 7.2 ♦ 80 mm, can+fen	

System: VERTICALE

Implant type: Pedicle screw

Typing: Polyaxial ST, cannulated and fenestrated shaft

Material: Ti6Al4V ELI

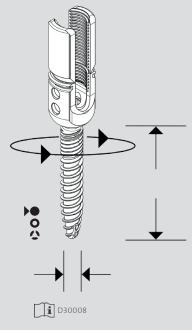


System: VERTICALE

Implant type: Pedicle screw

Typing: Polyaxial ST, reduction, solid shaft

Material: Ti6Al4V ELI



Article number	Description	Illustration
VPS-4525-RS3	VERTICALE Reduction Screw ST Ø 4.5 ♦ 25 mm, solid	
VPS-4530-RS3	VERTICALE Reduction Screw ST Ø 4.5 ♦ 30 mm, solid	- !!
VPS-4535-RS3	VERTICALE Reduction Screw ST Ø 4.5 ♦ 35 mm, solid	U
VPS-4540-RS3	VERTICALE Reduction Screw ST Ø 4.5 ♦ 40 mm, solid	
VPS-4545-RS3	VERTICALE Reduction Screw ST Ø 4.5 ♦ 45 mm, solid	8
VPS-4550-RS3	VERTICALE Reduction Screw ST Ø 4.5 ♦ 50 mm, solid	*
VPS-5225-RS3	VERTICALE Reduction Screw ST Ø 5.2 ♦ 25 mm, solid	
VPS-5230-RS3	VERTICALE Reduction Screw ST Ø 5.2 ♦ 30 mm, solid	
VPS-5235-RS3	VERTICALE Reduction Screw ST Ø 5.2 ♦ 35 mm, solid	III.
VPS-5240-RS3	VERTICALE Reduction Screw ST Ø 5.2 ♦ 40 mm, solid	U
VPS-5245-RS3	VERTICALE Reduction Screw ST Ø 5.2 ♦ 45 mm, solid	
VPS-5250-RS3	VERTICALE Reduction Screw ST Ø 5.2 ♦ 50 mm, solid	86
VPS-5255-RS3	VERTICALE Reduction Screw ST Ø 5.2 ♦ 55 mm, solid	8
VPS-5260-RS3	VERTICALE Reduction Screw ST Ø 5.2 ♦ 60 mm, solid	
VPS-6225-RS3	VERTICALE Reduction Screw ST Ø 6.2 ♦ 25 mm, solid	
VPS-6230-RS3	VERTICALE Reduction Screw ST Ø 6.2 ♦ 30 mm, solid	
VPS-6235-RS3	VERTICALE Reduction Screw ST Ø 6.2 ♦ 35 mm, solid	
VPS-6240-RS3	VERTICALE Reduction Screw ST Ø 6.2 ♦ 40 mm, solid	Ü
VPS-6245-RS3	VERTICALE Reduction Screw ST Ø 6.2 ♦ 45 mm, solid	
VPS-6250-RS3	VERTICALE Reduction Screw ST Ø 6.2 ♦ 50 mm, solid	•
VPS-6255-RS3	VERTICALE Reduction Screw ST Ø 6.2 ♦ 55 mm, solid	₹
VPS-6260-RS3	VERTICALE Reduction Screw ST Ø 6.2 ♦ 60 mm, solid	
VPS-7225-RS3	VERTICALE Reduction Screw ST Ø 7.2 ♦ 25 mm, solid	
VPS-7230-RS3	VERTICALE Reduction Screw ST Ø 7.2 ♦ 30 mm, solid	
VPS-7235-RS3	VERTICALE Reduction Screw ST Ø 7.2 ♦ 35 mm, solid	- 11
VPS-7240-RS3	VERTICALE Reduction Screw ST Ø 7.2 ♦ 40 mm, solid	11
VPS-7245-RS3	VERTICALE Reduction Screw ST Ø 7.2 ♦ 45 mm, solid	Ă
VPS-7250-RS3	VERTICALE Reduction Screw ST Ø 7.2 ♦ 50 mm, solid	
VPS-7255-RS3	VERTICALE Reduction Screw ST Ø 7.2 ♦ 55 mm, solid	1
VPS-7260-RS3	VERTICALE Reduction Screw ST Ø 7.2 ♦ 60 mm, solid	#
VPS-7270-RS3	VERTICALE Reduction Screw ST Ø 7.2 ♦ 70 mm, solid	
VPS-7280-RS3	VERTICALE Reduction Screw ST Ø 7.2 ♦ 80 mm, solid	

Article number	Description	Illustration
VPS-4525-RK3	VERTICALE Reduction Screw ST Ø 4.5 ♦ 25 mm, can	
VPS-4530-RK3	VERTICALE Reduction Screw ST Ø 4.5 ♦ 30 mm, can	
VPS-4535-RK3	VERTICALE Reduction Screw ST Ø 4.5 ♦ 35 mm, can	Ų
VPS-4540-RK3	VERTICALE Reduction Screw ST Ø 4.5 ♦ 40 mm, can	
VPS-4545-RK3	VERTICALE Reduction Screw ST Ø 4.5 ♦ 45 mm, can	90000
VPS-4550-RK3	VERTICALE Reduction Screw ST Ø 4.5 ♦ 50 mm, can	8
VPS-5225-RK3	VERTICALE Reduction Screw ST Ø 5.2 ♦ 25 mm, can	
VPS-5230-RK3	VERTICALE Reduction Screw ST Ø 5.2 ♦ 30 mm, can	11
VPS-5235-RF3	VERTICALE Reduction Screw ST Ø 5.2 ♦ 35 mm,	
VPS-5240-RF3	can+fen VERTICALE Reduction Screw ST Ø 5.2 ♦ 40 mm,	Ų
VPS-5245-RF3	can+fen VERTICALE Reduction Screw ST Ø 5.2 ♦ 45 mm,	
VPS-5250-RF3	can+fen VERTICALE Reduction Screw ST Ø 5.2 ◊ 50 mm,	
VPS-5255-RF3	can+fen VERTICALE Reduction Screw ST Ø 5.2 ◊ 55 mm,	. 8
VPS-5260-RF3	can+fen VERTICALE Reduction Screw ST Ø 5.2 ◊ 60 mm,	
VPS-6225-RK3	can+fen VERTICALE Reduction Screw ST Ø 6.2 ♦ 25 mm, can	
VPS-6230-RK3	VERTICALE Reduction Screw ST Ø 6.2 ♦ 30 mm, can	11
VPS-6235-RF3	VERTICALE Reduction Screw ST Ø 6.2 ♦ 35 mm,	<u> </u>
VPS-6240-RF3	can+fen VERTICALE Reduction Screw ST Ø 6.2 ◊ 40 mm,	Ų
VPS-6245-RF3	can+fen VERTICALE Reduction Screw ST Ø 6.2 ◊ 45 mm,	
VPS-6250-RF3	can+fen VERTICALE Reduction Screw ST Ø 6.2 ◊ 50 mm,	
VPS-6255-RF3	can+fen VERTICALE Reduction Screw ST Ø 6.2 ◊ 55 mm,	₹
VPS-6260-RF3	can+fen VERTICALE Reduction Screw ST Ø 6.2 ◊ 60 mm,	-
VPS-7225-RK3	can+fen VERTICALE Reduction Screw ST Ø 7.2 ◊ 25 mm, can	
VPS-7230-RK3	VERTICALE Reduction Screw ST Ø 7.2 ◊ 30 mm, can	-
VPS-7235-RF3	VERTICALE Reduction Screw ST Ø 7.2 ♦ 35 mm,	11
VPS-7240-RF3	can+fen VERTICALE Reduction Screw ST Ø 7.2 ◊ 40 mm,	
VPS-7245-RF3	can+fen VERTICALE Reduction Screw ST Ø 7.2 ◊ 45 mm,	¥
VPS-7250-RF3	can+fen VERTICALE Reduction Screw ST Ø 7.2 ♦ 50 mm,	
VPS-7255-RF3	can+fen VERTICALE Reduction Screw ST Ø 7.2 ♦ 55 mm,	
VPS-7260-RF3	can+fen VERTICALE Reduction Screw ST Ø 7.2 ♦ 60 mm,	₹
VPS-7270-RF3	can+fen VERTICALE Reduction Screw ST Ø 7.2 ◊ 70 mm,	_
VPS-7280-RF3	can+fen VERTICALE Reduction Screw ST Ø 7.2 ♦ 80 mm, can+fen	

System: VERTICALE

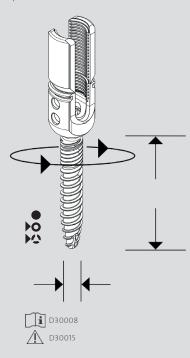
Implant type: Pedicle screw

Typing: Polyaxial ST, reduction, cannulated and fenestrated shaft

Material: Ti6Al4V ELI

All articles are also available as a sterile variant.

The article number is then preceded by the prefix S-.

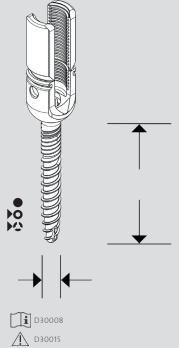


System: VERTICALE

Implant type: Pedicle screw

Typing: Monoaxial, reduction, cannulated and fenestrated shaft

Material: Ti6Al4V ELI



Article number	Description	Illustration
VFS-4525-RK2	VERTICALE Mono Reduction Screw Ø 4.5 ♦ 25 mm, can	
VFS-4530-RK2	VERTICALE Mono Reduction Screw Ø 4.5 ◊ 30 mm,]]
VFS-4535-RK2	VERTICALE Mono Reduction Screw Ø 4.5 ♦ 35 mm, can	Ų
VFS-4540-RK2	VERTICALE Mono Reduction Screw Ø 4.5 ♦ 40 mm,	
VFS-4545-RK2	can VERTICALE Mono Reduction Screw Ø 4.5 ♦ 45 mm, can	
VFS-4550-RK2	VERTICALE Mono Reduction Screw Ø 4.5 ♦ 50 mm, can	8
VFS-5225-RK2	VERTICALE Mono Reduction Screw Ø 5.2 ♦ 25 mm, can	
VFS-5230-RK2	VERTICALE Mono Reduction Screw Ø 5.2 ♦ 30 mm, can	11
VFS-5235-RF2	VERTICALE Mono Reduction Screw Ø 5.2 ♦ 35 mm,	- !!
VFS-5240-RF2	can+fen VERTICALE Mono Reduction Screw Ø 5.2 ♦ 40 mm,	U
VFS-5245-RF2	can+fen VERTICALE Mono Reduction Screw Ø 5.2 ♦ 45 mm,	
VFS-5250-RF2	can+fen VERTICALE Mono Reduction Screw Ø 5.2 ♦ 50 mm,	
VFS-5255-RF2	can+fen VERTICALE Mono Reduction Screw Ø 5.2 ♦ 55 mm,	•
VFS-5260-RF2	can+fen VERTICALE Mono Reduction Screw Ø 5.2 ♦ 60 mm,	
VFS-6225-RK2	can+fen VERTICALE Mono Reduction Screw Ø 6.2 ◊ 25 mm, can	
VFS-6230-RK2	VERTICALE Mono Reduction Screw Ø 6.2 ♦ 30 mm,	
VFS-6235-RF2	can VERTICALE Mono Reduction Screw Ø 6.2 ◊ 35 mm,	- 11
VFS-6240-RF2	can+fen VERTICALE Mono Reduction Screw Ø 6.2 ◊ 40 mm,	U
VFS-6245-RF2	can+fen VERTICALE Mono Reduction Screw Ø 6.2 ◊ 45 mm,	Y
VFS-6250-RF2	can+fen VERTICALE Mono Reduction Screw Ø 6.2 ◊ 50 mm,	
VFS-6255-RF2	can+fen VERTICALE Mono Reduction Screw Ø 6.2 ♦ 55 mm,	***
VFS-6260-RF2	can+fen VERTICALE Mono Reduction Screw Ø 6.2 ◊ 60 mm,	*
VFS-7225-RK2	can+fen VERTICALE Mono Reduction Screw Ø 7.2 ◊ 25 mm, can	
VFS-7230-RK2	VERTICALE Mono Reduction Screw Ø 7.2 ◊ 30 mm, can	
VFS-7235-RF2	VERTICALE Mono Reduction Screw Ø 7.2 ♦ 35 mm,	
	can+fen VERTICALE Mono Reduction Screw Ø 7.2 ♦ 40 mm,	- 11
VFS-7240-RF2	can+fen VERTICALE Mono Reduction Screw Ø 7.2 ♦ 45 mm,	11
VFS-7245-RF2	can+fen VERTICALE Mono Reduction Screw Ø 7.2 ◊ 50 mm,	Y
VFS-7250-RF2	can+fen VERTICALE Mono Reduction Screw Ø 7.2 ♦ 55 mm,	
VFS-7255-RF2	can+fen VERTICALE Mono Reduction Screw Ø 7.2 ◊ 60 mm,	
VFS-7260-RF2	can+fen VERTICALE Mono Reduction Screw Ø 7.2 ◊ 70 mm,	#
VFS-7270-RF2	can+fen	
VFS-7280-RF2	VERTICALE Mono Reduction Screw Ø 7.2 ♦ 80 mm, can+fen	

Article number	Description	Illustration
VFS-8225-RK2	VERTICALE Mono Reduction Screw Ø 8.2 x 25 mm, can	
VFS-8230-RK2	VERTICALE Mono Reduction Screw Ø 8.2 x 30 mm, can	
VFS-8235-RF2	VERTICALE Mono Reduction Screw Ø 8.2 × 35 mm, can+fen	
VFS-8240-RF2	VERTICALE Mono Reduction Screw Ø 8.2 × 40 mm, can+fen	- 11
VFS-8245-RF2	VERTICALE Mono Reduction Screw Ø 8.2 × 45 mm, can+fen	U
VFS-8250-RF2	VERTICALE Mono Reduction Screw Ø 8.2 × 50 mm, can+fen	
VFS-8255-RF2	VERTICALE Mono Reduction Screw Ø 8.2 × 55 mm, can+fen	
VFS-8260-RF2	VERTICALE Mono Reduction Screw Ø 8.2 × 60 mm, can+fen	
VFS-8270-RF2	VERTICALE Mono Reduction Screw Ø 8.2 × 70 mm, can+fen	**
VFS-8280-RF2	VERTICALE Mono Reduction Screw Ø 8.2 × 80 mm, can+fen	
VFS-8290-RF2	VERTICALE Mono Reduction Screw Ø 8.2 × 90 mm, can+fen	
VFS-8210-RF2	VERTICALE Mono Reduction Screw Ø 8.2 × 100 mm,	
VFS-9225-RK2	can+fen VERTICALE Mono Reduction Screw Ø 9.2 x 25 mm, can	
VFS-9230-RK2	VERTICALE Mono Reduction Screw Ø 9.2 x 30 mm, can	
VFS-9235-RF2	VERTICALE Mono Reduction Screw Ø 9.2 × 35 mm, can+fen	11
VFS-9240-RF2	VERTICALE Mono Reduction Screw Ø 9.2 × 40 mm, can+fen	11
VFS-9245-RF2	VERTICALE Mono Reduction Screw Ø 9.2 × 45 mm, can+fen	
VFS-9250-RF2	VERTICALE Mono Reduction Screw Ø 9.2 × 50 mm, can+fen	
VFS-9255-RF2	VERTICALE Mono Reduction Screw Ø 9.2 × 55 mm, can+fen	
VFS-9260-RF2	VERTICALE Mono Reduction Screw Ø 9.2 × 60 mm, can+fen	\$
VFS-9270-RF2	VERTICALE Mono Reduction Screw Ø 9.2 × 70 mm, can+fen	
VFS-9280-RF2	VERTICALE Mono Reduction Screw Ø 9.2 × 80 mm, can+fen	
VFS-9290-RF2	VERTICALE Mono Reduction Screw Ø 9.2 × 90 mm, can+fen	
VFS-9210-RF2	VERTICALE Mono Reduction Screw Ø 9.2 × 100 mm,	
VFS-0225-RK2	can+fen VERTICALE Mono Reduction Screw Ø 10.2 x 25 mm, can	
VFS-0230-RK2	VERTICALE Mono Reduction Screw Ø 10.2 x 30 mm, can	
VFS-0235-RF2	VERTICALE Mono Reduction Screw Ø 10.2 × 35 mm,	
VFS-0240-RF2	can+fen VERTICALE Mono Reduction Screw Ø 10.2 × 40 mm,	- 11
VFS-0245-RF2	can+fen VERTICALE Mono Reduction Screw Ø 10.2 × 45 mm,	11
VFS-0250-RF2	can+fen VERTICALE Mono Reduction Screw Ø 10.2 × 50 mm,	¥
VFS-0255-RF2	can+fen VERTICALE Mono Reduction Screw Ø 10.2 × 55 mm,	
VFS-0260-RF2	can+fen VERTICALE Mono Reduction Screw Ø 10.2 × 60 mm,	.
VFS-0270-RF2	can+fen VERTICALE Mono Reduction Screw Ø 10.2 × 70 mm,	*
VFS-0280-RF2	can+fen VERTICALE Mono Reduction Screw Ø 10.2 × 80 mm,	
VFS-0290-RF2	can+fen VERTICALE Mono Reduction Screw Ø 10.2 × 90 mm,	
VFS-0230-RF2	can+fen VERTICALE Mono Reduction Screw Ø 10.2 × 100 mm,	
V1 3-UZIU-K1 Z	can+fen	

System: VERTICALE

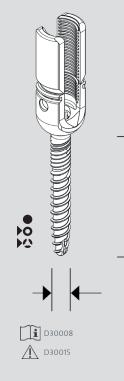
Implant type: Pedicle screw

Typing: Monoaxial, reduction, cannulated and fenestrated shaft

Material: Ti6Al4V ELI

All articles are also available as a sterile variant.

The article number is then preceded by the prefix S-.



System: VERTICALE

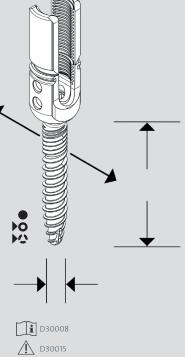
Implant type: Pedicle screw

Typing: Uniplanar, reduction, cannulated and fenestrated shaft

Material: Ti6Al4V ELI

available as a sterile variant. The article number is then preceded by the prefix S-.

All articles are also



Article number	Description	Illustration
VUS-4525-RK2	VERTICALE Uni Reduction Screw Ø 4.5 ♦ 25 mm, can	
VUS-4530-RK2	VERTICALE Uni Reduction Screw Ø 4.5 ♦ 30 mm, can	IJ
VUS-4535-RK2	VERTICALE Uni Reduction Screw Ø 4.5 ♦ 35 mm, can	U
VUS-4540-RK2	VERTICALE Uni Reduction Screw Ø 4.5 ♦ 40 mm, can	
VUS-4545-RK2	VERTICALE Uni Reduction Screw Ø 4.5 ♦ 45 mm, can	8
VUS-4550-RK2	VERTICALE Uni Reduction Screw Ø 4.5 ♦ 50 mm, can	1
VUS-5225-RK2	VERTICALE Uni Reduction Screw Ø 5.2 ♦ 25 mm, can	
VUS-5230-RK2	VERTICALE Uni Reduction Screw Ø 5.2 ♦ 30 mm, can	1.1
VUS-5235-RF2	VERTICALE Uni Reduction Screw Ø 5.2 ♦ 35 mm,	
VUS-5240-RF2	can+fen VERTICALE Uni Reduction Screw Ø 5.2 ♦ 40 mm,	U
VUS-5245-RF2	can+fen VERTICALE Uni Reduction Screw Ø 5.2 ♦ 45 mm,	
VUS-5250-RF2	can+fen VERTICALE Uni Reduction Screw Ø 5.2 ♦ 50 mm,	
VUS-5255-RF2	can+fen VERTICALE Uni Reduction Screw Ø 5.2 ♦ 55 mm,	8
VUS-5260-RF2	can+fen VERTICALE Uni Reduction Screw Ø 5.2 ♦ 60 mm,	
VUS-6225-RK2	can+fen VERTICALE Uni Reduction Screw Ø 6.2 ♦ 25 mm, can	
VUS-6230-RK2	VERTICALE Uni Reduction Screw Ø 6.2 ◊ 30 mm, can	
VUS-6235-RF2	VERTICALE Uni Reduction Screw Ø 6.2 ♦ 35 mm,	11
VUS-6240-RF2	can+fen VERTICALE Uni Reduction Screw Ø 6.2 ◊ 40 mm,	U
VUS-6245-RF2	can+fen VERTICALE Uni Reduction Screw Ø 6.2 ◊ 45 mm,	
VUS-6250-RF2	can+fen VERTICALE Uni Reduction Screw Ø 6.2 ◊ 50 mm,	
VUS-6255-RF2	can+fen VERTICALE Uni Reduction Screw Ø 6.2 ◊ 55 mm,	***
VUS-6260-RF2	can+fen VERTICALE Uni Reduction Screw Ø 6.2 ♦ 60 mm,	
VUS-7225-RK2	can+fen VERTICALE Uni Reduction Screw Ø 7.2 ♦ 25 mm, can	
VUS-7230-RK2	VERTICALE Uni Reduction Screw Ø 7.2 ♦ 30 mm, can	
VUS-7235-RF2	VERTICALE Uni Reduction Screw Ø 7.2 ♦ 35 mm,	11
VUS-7240-RF2	can+fen VERTICALE Uni Reduction Screw Ø 7.2 ◊ 40 mm,	
VUS-7245-RF2	can+fen VERTICALE Uni Reduction Screw Ø 7.2 ♦ 45 mm,	Ų
VUS-7250-RF2	can+fen VERTICALE Uni Reduction Screw Ø 7.2 ◊ 50 mm,	
VUS-7255-RF2	can+fen VERTICALE Uni Reduction Screw Ø 7.2 ♦ 55 mm,	
VUS-7260-RF2	can+fen VERTICALE Uni Reduction Screw Ø 7.2 ◊ 60 mm,	
VUS-7270-RF2	can+fen VERTICALE Uni Reduction Screw Ø 7.2 ◊ 70 mm,	
VUS-7280-RF2	can+fen VERTICALE Uni Reduction Screw Ø 7.2 ♦ 80 mm,	

can+fen

Article number	Description	Illustration
VPS-8225-RK3	VERTICALE Reduction Screw ST Ø 8.2 ♦ 25 mm, can	
VPS-8230-RK3	VERTICALE Reduction Screw ST Ø 8.2 ◊ 30 mm, can	
VPS-8235-RF3	VERTICALE Reduction Screw ST Ø 8.2 ♦ 35 mm,	
VPS-8240-RF3	can+fen VERTICALE Reduction Screw ST Ø 8.2 ◊ 40 mm,	
VPS-8245-RF3	can+fen VERTICALE Reduction Screw ST Ø 8.2 ◊ 45 mm,	***************************************
VPS-8250-RF3	can+fen VERTICALE Reduction Screw ST Ø 8.2 ◊ 50 mm,	
VPS-8255-RF3	can+fen VERTICALE Reduction Screw ST Ø 8.2 ◊ 55 mm,	
VPS-8260-RF3	can+fen VERTICALE Reduction Screw ST Ø 8.2 ◊ 60 mm,	
VPS-9225-RK3	can+fen VERTICALE Reduction Screw ST Ø 9.2 ♦ 25 mm, can	
VPS-9230-RK3	VERTICALE Reduction Screw ST Ø 9.2 ♦ 30 mm, can	
VPS-9235-RF3	VERTICALE Reduction Screw ST Ø 9.2 ♦ 35 mm,	
VPS-9240-RF3	can+fen VERTICALE Reduction Screw ST Ø 9.2 ◊ 40 mm,	
VPS-9245-RF3	can+fen VERTICALE Reduction Screw ST Ø 9.2 ◊ 45 mm,	
VPS-9250-RF3	can+fen VERTICALE Reduction Screw ST Ø 9.2 ♦ 50 mm,	
VPS-9255-RF3	can+fen VERTICALE Reduction Screw ST Ø 9.2 ♦ 55 mm,	
VPS-9260-RF3	can+fen VERTICALE Reduction Screw ST Ø 9.2 ◊ 60 mm,	
VPS-0225-RK3	can+fen VERTICALE Reduction Screw ST Ø 10.2 ♦ 25 mm. can	
VPS-0230-RK3	VERTICALE Reduction Screw ST Ø 10.2 ♦ 30 mm, can	
VPS-0235-RF3	VERTICALE Reduction Screw ST Ø 10.2 ♦ 35 mm,	
VPS-0240-RF3	can+fen VERTICALE Reduction Screw ST Ø 10.2 ◊ 40 mm,	
VPS-0245-RF3	can+fen VERTICALE Reduction Screw ST Ø 10.2 ♦ 45 mm,	
	can+fen VERTICALE Reduction Screw ST Ø 10.2 ♦ 50 mm,	
VPS-0250-RF3	can+fen VERTICALE Reduction Screw ST Ø 10.2 ♦ 55 mm,	
VPS-0255-RF3	can+fen VERTICALE Reduction Screw ST Ø 10.2 ♦ 60 mm,	
VPS-0260-RF3	can+fen	

System: VERTICALE

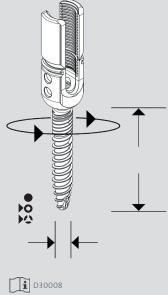
Implant type: Pedicle screw

Typing: Polyaxial ST, reduction, cannulated and fenestrated shaft

Material: Ti6Al4V ELI

All articles are also available as a sterile variant.

The article number is then preceded by the prefix S-.

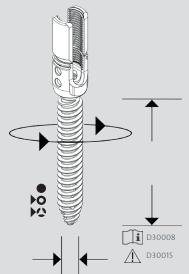


System: VERTICALE

Implant type: Iliac screw

Typing: Ilium reduction, solid, cannulated and fenestrated shaft

Material: Ti6Al4V ELI



Article number	Description	Illustration
VIS-8270-RF2	VERTICALE Iliac Reduction Screw Ø 8.2 ◊ 70 mm, can+fen	
VIS-8280-RF2	VERTICALE Iliac Reduction Screw Ø 8.2 ♦ 80 mm, can+fen	411111111111111111111111111111111111111
VIS-8290-RF2	VERTICALE Iliac Reduction Screw Ø 8.2 ♦ 90 mm, can+fen	***************************************
VIS-8210-RF2	VERTICALE Iliac Reduction Screw Ø 8.2 ♦ 100 mm, can+fen	
VIS-9270-RF2	VERTICALE Iliac Reduction Screw Ø 9.2 ♦ 70 mm, can+fen	
VIS-9280-RF2	VERTICALE Iliac Reduction Screw Ø 9.2 ♦ 80 mm, can+fen	
VIS-9290-RF2	VERTICALE Iliac Reduction Screw Ø 9.2 ♦ 90 mm, can+fen	
VIS-9210-RF2	VERTICALE Iliac Reduction Screw Ø 9.2 ♦ 100 mm, can+fen	
VIS-0270-RF2	VERTICALE Iliac Reduction Screw Ø 10.2 ♦ 70 mm, can+fen	
VIS-0280-RF2	VERTICALE Iliac Reduction Screw Ø 10.2 ♦ 80 mm, can+fen	
VIS-0290-RF2	VERTICALE Iliac Reduction Screw Ø 10.2 ♦ 90 mm, can+fen	***************************************
VIS-0210-RF2	VERTICALE Iliac Reduction Screw Ø 10.2 ♦ 100 mm, can+fen	
VIV-5535-S1	VERTICALE Iliac Connector 5.5 × 35 mm, solid	
VIV-5545-S1	VERTICALE Iliac Connector 5.5 × 45 mm, solid	- W
VMS-2025	VERTICALE Set Screw Torx 25	

Article number	Description	Illustration	System: VERTICALE
VST-0040-T	VERTICALE Rod curved Ø 5.5 / 40 mm Ti		Implant type:
VST-0045-T	VERTICALE Rod curved Ø 5.5 / 45 mm Ti		Rod
VST-0050-T	VERTICALE Rod curved Ø 5.5 / 50 mm Ti		Typing:
VST-0055-T	VERTICALE Rod curved Ø 5.5 / 55 mm Ti	11111111	curved
VST-0065-T	VERTICALE Rod curved Ø 5.5 / 65 mm Ti	"""	Material:
VST-0075-T	VERTICALE Rod curved Ø 5.5 / 75 mm Ti		Ti6Al4V ELI
VST-0085-T	VERTICALE Rod curved Ø 5.5 / 85 mm Ti		All articles are also available as a sterile
VST-0095-T	VERTICALE Rod curved Ø 5.5 / 95 mm Ti		variant.
			The article number is then preceded by the
VST-0200-T	VERTICALE Rod straight Ø 5.5 / 200 mm Ti		prefix S
VST-0300-T	VERTICALE Rod straight Ø 5.5 / 300 mm Ti		Material:
VST-0470-T	VERTICALE Rod straight Ø 5.5 / 470 mm Ti		Ti6Al4V ELI
VST-0300-C	VERTICALE Rod straight Ø 5.5 / 300 mm Ti		Material: CoCr
VST-0470-C	VERTICALE Rod straight Ø 5.5 / 470 mm Ti		

Note:

All curved VERTICALE Rods have a DECAGONAL end on one side. The straight VERTICALE Rods have DECAGONAL ends on both sides.

System: VERTICALE

Implant type: Connector

Typing: Cross connector, rod connector

Material: Ti6Al4V ELI

Article number	Description	Illustration
VQV-0001	VERTICALE Cross Connector incl. Set Screw	3
VQS-0050	VERTICALE CC Rod Ø 50 mm	
VQS-0060	VERTICALE CC Rod Ø 60 mm	
VQS-0070	VERTICALE CC Rod Ø 70 mm	
VQS-0080	VERTICALE CC Rod Ø 80 mm	
VQS-0090	VERTICALE CC Rod Ø 90 mm	
VSV-5555-INK	VERTICALE RC Inline short 5.5 / 5.5 mm*	
VSV-5555-INL	VERTICALE RC Inline long 5.5 / 5.5 mm*	1
VSV-5555-DO	VERTICALE RC Domino 5.5 / 5.5 mm*	
VSV-5555-INM	VERTICALE SV Inline middle 5.5 / 5.5 mm*	
VSV-5555-KM	VERTICALE SV Kyphosis middle 5.5 / 5.5 mm*	Carrie Contract
VSV-5555-S10	VERTICALE Domino single 5.5 / 5.5 mm, 10 mm*	*
VSV-5555-S12	VERTICALE Domino single 5.5 / 5.5 mm, 12 mm*	5
VSV-5555-S14	VERTICALE Domino single 5.5 / 5.5 mm, 14 mm*	%
VSV-5555-D10	VERTICALE Domino double 5.5 / 5.5 mm, 10 mm*	300
VSV-5555-D12	VERTICALE Domino double 5.5 / 5.5 mm, 12 mm*	300
VSV-5555-D14	VERTICALE Domino double 5.5 / 5.5 mm, 14 mm*	-
	* includes VMS-7020 Set Screws	
VMS-7020	VERTICALE Set Screw Torx 20	

Article number	Description	Illustration	Page
VI-1010	VERTICALE Trocar		6
VI-1020	VERTICALE AWI		6,7
VI-1022	VERTICALE Awl, blunt		6,7
VI-1024	VERTICALE Awl, blunt + curved		6,7
VI-1025	VERTICALE Awl, narrow		6,7
VI-1026	VERTICALE Awl, square + straight		6,7
VI-1027	VERTICALE Awl, heptagon tip + straight		6,7
VI-1028	VERTICALE Awl, square + curved		6,7
VI-1029	VERTICALE Awl, heptagon tip + curved		6,7
VI-1030	VERTICALE Iliac Awl		6, 7, 28
VI-1040	VERTICALE Pedicle Feeler (double-probe)		7
VI-1043	VERTICALE Pedicle Feeler 2.3 mm		7
VI-1045	VERTICALE Tap 4.5 and 5.2 mm		8
VI-1048	VERTICALE Pedicle Feeler 2.8 mm		7
VI-1060	VERTICALE Guide Wire with Trocar Tip		8
VI-1067	VERTICALE Tap 6.2 and 7.2 mm		10
VI-1070	VERTICALE Guide Wire with Round Tip		8

Article number	Description	Illustration	Page
VI-1089	VERTICALE Tap 8.2 + 9.2 mm		8, 28
VI-1102	VERTICALE Tap 10.2 mm		8, 28
VI-1110	VERTICALE Polyaxial Screwdriver	4.4	10, 11, 12
VI-1130	VERTICALE Pedicle Screwdriver T25	4-81	10, 11, 12
VI-1135	VERTICALE SD Disassembly Tool		see D30030
VI-1145	VERTICALE Tap 4.5 and 5.2 mm, can		8
VI-1160	VERTICALE Break-Off Tool		24
VI-1167	VERTICALE Tap 6.2 and 7.2 mm, can		8
VI-1189	VERTICALE Tap 8.2 and 9.2 mm, can		8, 28
VI-1202	VERTICALE Tap 10.2 mm, can		8, 28
VI-1260	VERTICALE Rod Cutter, compact, 5.5 mm		13
VI-1270	VERTICALE French Bender	n. i	13
VI-1320	VERTICALE Rod Holder	2	14
VI-1330	VERTICALE Rod Holder, short	280	14
VI-1340	VERTICALE Rod and Tulip Adjuster		13,14,22

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^{*} Manufacturer: MEDE Technik ** Manufacturer: BAAT Medical GmbH

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