

# **Arthrex KreuLock™ Screws**

## **Patient Information Leaflet**



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## Helping Surgeons Treat Their Patients Better®

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Since its inception, Arthrex has been committed to one mission: Helping Surgeons Treat Their Patients Better. We are strategically focused on constant product innovation through scientific research, surgeon collaboration, and medical education to make less invasive surgical procedures simple, safer, and more reproducible. Each year, we develop more than 1000 new innovative products and procedures to advance minimally invasive orthopedics worldwide.

Arthrex has always remained a privately held company, which allows for the rapid evaluation of new technologies and ideas and the freedom to develop products and techniques that truly make a difference without economic considerations or compromise. Our experienced team of dedicated professionals represents a shared passion and commitment to delivering uncompromising quality to the healthcare providers who use our products and the millions of patients whose lives we impact.

The medical significance of our contributions serves as our primary benchmark of success and will continue into the future as the legacy of Arthrex.

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## Device Description

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The KreuLock Screws consist of permanent implant devices manufactured from titanium or stainless steel alloy. The screw devices are available as solid or cannulated implants that are available in a variety of sizes.

### **The Arthrex Variable Angle Locking (VAL) KreuLock™ Compression Screws (2.0-3.0 mm solid)**

The 2.0-3.0 mm solid Variable Angle Locking KreuLock™ Compression Screws are intended to be used in a plate-screw system for internal bone fixation for bone fractures, fusions, osteotomies and non-unions in the ankle, foot, hand, wrist, tibia, fibula, femur, pelvis, acetabulum, metacarpals, metatarsals, humerus, radius, ulna, calcaneus, clavicle and scapula. The screw may be used with the Arthrex Low Profile Plate, Small Fragment Plates, Distal Extremity Plates, Mesh Plates (2.7-3.0) and Distal Radius Plates.

### **The Arthrex VAL KreuLock Compression Screws (3.5 mm and larger, solid)**

The 3.5 mm and larger, solid VAL KreuLock Compression Screws are intended to be used in a plate-screw system for internal bone fixation for bone fractures, fusions, osteotomies and non-unions in the ankle, foot, hand, wrist, clavicle, scapula, olecranon, humerus, radius, ulna, tibia, calcaneus, pelvis, acetabulum, metacarpals, metatarsals, femur, and fibula. The screws may be used with the Arthrex Low Profile Plates, Small Fragment Plates, Fracture Plates, Distal Extremity Plates, Distal Radius Plates, Humeral Fracture Plates, Osteotomy Plates, and Ankle Fusion Plates.

### **The Arthrex Hybrid KreuLock™ Compression Screws (3.5 mm and larger, solid)**

The 3.5 mm and larger, solid Hybrid KreuLock™ Compression Screws are intended to be used in a plate-screw system for internal bone fixation for bone fractures, fusions, Osteotomies and non-unions in the ankle, foot, hand, wrist, clavicle, scapula, olecranon, humerus, radius, ulna, tibia, calcaneus, pelvis, acetabulum, metacarpals, metatarsals, femur and fibula. The screws may be used with the Arthrex Low Profile Plate, Small Fragment Plates, Fracture Plates, Distal Extremity Plates, Distal Radius Plates, Humeral Fracture Plates, Osteotomy Plates, and Ankle Fusion Plates.

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## Material Specifications

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The Variable Angle Locking and KreuLock Screws are manufactured from titanium or stainless steel alloy.

Screws that are manufactured from titanium alloy (ASTM F136) contain:

- Titanium, (balance)
- Aluminum, (5.5 - 6.5%)
- Vanadium, (3.5 - 4.5%)
- Iron, (0.25% max)
- Oxygen, (0.13% max)
- \*Other materials may be present at trace levels.

Screws that are manufactured from Stainless Steel, 316L (ASTM F 138) contain:

- Iron, (balance)
- Chromium, (17.0 - 19.0%)
- Nickel, (13.0 - 15.0%)
- Molybdenum, (2.25 - 3.00%)
- Manganese, (2.0%)
- Silicon, (1.0%)
- \*Other materials may be present at trace levels.

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## Postoperative Care

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Postoperative management is patient-specific and dependent on your doctor's assessment. Individual results will vary and not all patients will experience the same postoperative activity level or outcomes. Please be aware that surgery and recovery protocol may vary for each individual and any questions pertaining to the surgical procedure or postoperative protocol should be discussed with your surgeon.

Please call your doctor if:

- You experience loss of function/range of motion
- You develop a fever greater than 38 °C (100.4 °F)
- Drainage continues from the site of your incision
- Your surgical site becomes more swollen, tender, and painful, with increased difficulty performing your exercises.

If you have difficulty breathing or develop severe pain or chest pain, call 911 or report immediately to your local emergency room.



## MRI Safety Information

MRI, or Magnetic Resonance Imaging, is an imaging technique utilizing a strong magnetic field to produce detailed anatomical images. This section details the information that you should be aware of when getting an MRI scan.

### 1. MR (Magnetic Resonance) Conditional



#### MRI Safety Information

A patient with this device can be scanned safely in an MR system under the following conditions. Failure to follow these conditions may result in injury.

|                                                            |                                                                                                                                                                                                                                           |
|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Device Name                                                | Standalone Screws                                                                                                                                                                                                                         |
| Static Magnetic Field Strength ( $B_0$ - B subscript zero) | 1.5 Tesla and 3.0 Tesla                                                                                                                                                                                                                   |
| Maximum Spatial Field Gradient                             | 30 T/m or 3000 gauss/cm                                                                                                                                                                                                                   |
| RF (Radio Frequency) Excitation                            | Circularly Polarized (CP)                                                                                                                                                                                                                 |
| RF Transmit Coil Type                                      | Volume RF body coil                                                                                                                                                                                                                       |
| Maximum Whole-Body SAR (Specific Absorption Rate)          | 1 W/kg                                                                                                                                                                                                                                    |
| Maximum Head SAR                                           | N/A                                                                                                                                                                                                                                       |
| Scan Duration                                              | Under the scan conditions defined above, patients can be scanned continuously for 15-minutes, followed by a wait time of 4-minutes before the next imaging session. This can be repeated three times within a 60-minute scanning session. |
| MR Image Artifact                                          | The presence of this implant may produce an image artifact.                                                                                                                                                                               |

Patients who have other MR Conditional devices can be scanned as long as all the MR Conditional scan parameters for each of the devices are met. Do not conduct an MRI scan if any conditions for safe scanning for any device cannot be met.

If information about a specific parameter is not included, there are no conditions associated with that parameter.



A person with an Anatomic Lapidus Plate and I-Beam Lapidus Plate can safely undergo an MR exam only under very specific conditions. Scanning under different conditions may result in severe injury. Full MRI safety information is available in the MRI Safety Information section of this

patient information leaflet, Directions for Use (<https://edfu.arthrex.com>) or by calling Arthrex customer service at 📞 +1 800 934-4404.





## MRI Safety Information (continued)

MRI, or Magnetic Resonance Imaging, is an imaging technique utilizing a strong magnetic field to produce detailed anatomical images. This section details the information that you should be aware of when getting an MRI scan.

### 1. MR (Magnetic Resonance) Conditional



#### MRI Safety Information

A patient with this device can be scanned safely in an MR system under the following conditions. Failure to follow these conditions may result in injury.

|                                                            |                                                                                                                                                                                                                                          |
|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Device Name                                                | Screws used with Plates                                                                                                                                                                                                                  |
| Static Magnetic Field Strength ( $B_0$ - B subscript zero) | 1.5 Tesla and 3.0 Tesla                                                                                                                                                                                                                  |
| Maximum Spatial Field Gradient                             | 30 T/m or 3,000 gauss/cm                                                                                                                                                                                                                 |
| RF (Radio Frequency) Excitation                            | Circularly Polarized (CP)                                                                                                                                                                                                                |
| RF Transmit Coil Type                                      | Volume RF body coil                                                                                                                                                                                                                      |
| Maximum Whole-Body SAR (Specific Absorption Rate)          | 1 W/kg                                                                                                                                                                                                                                   |
| Maximum Head SAR                                           | N/A                                                                                                                                                                                                                                      |
| Scan Duration                                              | Under the scan conditions defined above, patients can be scanned continuously for 10-minutes, followed by a wait time of 20-minutes before the next imaging session. This can be repeated two times within a 60-minute scanning session. |
| MR Image Artifact                                          | The presence of this implant may produce an image artifact.                                                                                                                                                                              |

Patients who have other MR Conditional devices can be scanned as long as all the MR Conditional scan parameters for each of the devices are met. Do not conduct an MRI scan if any conditions for safe scanning for any device cannot be met.

If information about a specific parameter is not included, there are no conditions associated with that parameter.



A person with an Anatomic Lapidus Plate and I-Beam Lapidus Plate can safely undergo an MR exam only under very specific conditions. Scanning under different conditions may result in severe injury. Full MRI safety information is available in the MRI Safety Information section of this

patient information leaflet, Directions for Use (<https://edfu.arthrex.com>) or by calling Arthrex customer service at 📞 +1 800 934-4404.

# Implant Models

## KreuLock™ Screws

Consult your KreuLock Screw Patient Implant Card (PIC) for information on the device type/model of the implant used in your procedure.

| Item Number                                             | Product Description                     |
|---------------------------------------------------------|-----------------------------------------|
| VAL KreuLock Screw, 2.7 mm, Stainless Steel (SS) series |                                         |
| AR-8827VCL-10                                           | VAL KreuLock™ Comp. Screw, SS, 2.7x10mm |
| AR-8827VCL-11                                           | VAL KreuLock™ Comp. Screw, SS, 2.7x11mm |
| AR-8827VCL-12                                           | VAL KreuLock™ Comp. Screw, SS, 2.7x12mm |
| AR-8827VCL-13                                           | VAL KreuLock™ Comp. Screw, SS, 2.7x13mm |
| AR-8827VCL-14                                           | VAL KreuLock™ Comp. Screw, SS, 2.7x14mm |
| AR-8827VCL-15                                           | VAL KreuLock™ Comp. Screw, SS, 2.7x15mm |
| AR-8827VCL-16                                           | VAL KreuLock™ Comp. Screw, SS, 2.7x16mm |
| AR-8827VCL-18                                           | VAL KreuLock™ Comp. Screw, SS, 2.7x18mm |
| AR-8827VCL-20                                           | VAL KreuLock™ Comp. Screw, SS, 2.7x20mm |
| AR-8827VCL-22                                           | VAL KreuLock™ Comp. Screw, SS, 2.7x22mm |
| AR-8827VCL-24                                           | VAL KreuLock™ Comp. Screw, SS, 2.7x24mm |
| AR-8827VCL-26                                           | VAL KreuLock™ Comp. Screw, SS, 2.7x26mm |
| AR-8827VCL-28                                           | VAL KreuLock™ Comp. Screw, SS, 2.7x28mm |
| AR-8827VCL-30                                           | VAL KreuLock™ Comp. Screw, SS, 2.7x30mm |
| AR-8827VCL-32                                           | VAL KreuLock™ Comp. Screw, SS, 2.7x32mm |
| AR-8827VCL-34                                           | VAL KreuLock™ Comp. Screw, SS, 2.7x34mm |
| AR-8827VCL-36                                           | VAL KreuLock™ Comp. Screw, SS, 2.7x36mm |
| AR-8827VCL-38                                           | VAL KreuLock™ Comp. Screw, SS, 2.7x38mm |
| AR-8827VCL-40                                           | VAL KreuLock™ Comp. Screw, SS, 2.7x40mm |
| AR-8827VCL-42                                           | VAL KreuLock™ Comp. Screw, SS, 2.7x42mm |
| AR-8827VCL-44                                           | VAL KreuLock™ Comp. Screw, SS, 2.7x44mm |

| Item Number                                                    | Product Description                      |
|----------------------------------------------------------------|------------------------------------------|
| AR-8827VCL-45                                                  | VAL KreuLock™ Comp. Screw, SS, 2.7x45mm  |
| AR-8827VCL-46                                                  | VAL KreuLock™ Comp. Screw, SS, 2.7x46mm  |
| AR-8827VCL-48                                                  | VAL KreuLock™ Comp. Screw, SS, 2.7x48mm  |
| AR-8827VCL-50                                                  | VAL KreuLock™ Comp. Screw, SS, 2.7x50mm  |
| AR-8827VCL-52                                                  | VAL KreuLock™ Comp. Screw, SS, 2.7x52mm  |
| AR-8827VCL-54                                                  | VAL KreuLock™ Comp. Screw, SS, 2.7x54mm  |
| AR-8827VCL-55                                                  | VAL KreuLock™ Comp. Screw, SS, 2.7x55mm  |
| AR-8827VCL-56                                                  | VAL KreuLock™ Comp. Screw, SS, 2.7x56mm  |
| AR-8827VCL-58                                                  | VAL KreuLock™ Comp. Screw, SS, 2.7x58mm  |
| AR-8827VCL-60                                                  | VAL KreuLock™ Comp. Screw, SS, 2.7x60mm  |
| AR-8827VCL-65                                                  | VAL KreuLock™ Comp. Screw, SS, 2.7x65mm  |
| AR-8827VCL-70                                                  | VAL KreuLock™ Comp. Screw, SS, 2.7x70mm  |
| AR-8827VCL-75                                                  | VAL KreuLock™ Comp. Screw, SS, 2.7x75mm  |
| AR-8827VCL-80                                                  | VAL KreuLock™ Comp. Screw, SS, 2.7x80mm  |
| <b>VAL KreuLock Screw, 3.5 mm, Stainless Steel (SS) series</b> |                                          |
| AR-8835VCL-10                                                  | VAL KreuLock™ Comp. Screw, SS, 3.5x10mm  |
| AR-8835VCL-100                                                 | VAL KreuLock™ Comp. Screw, SS, 3.5x100mm |
| AR-8835VCL-105                                                 | VAL KreuLock™ Comp. Screw, SS, 3.5x105mm |
| AR-8835VCL-110                                                 | VAL KreuLock™ Comp. Screw, SS, 3.5x110mm |
| AR-8835VCL-12                                                  | VAL KreuLock™ Comp. Screw, SS, 3.5x12mm  |
| AR-8835VCL-14                                                  | VAL KreuLock™ Comp. Screw, SS, 3.5x14mm  |
| AR-8835VCL-16                                                  | VAL KreuLock™ Comp. Screw, SS, 3.5x16mm  |
| AR-8835VCL-18                                                  | VAL KreuLock™ Comp. Screw, SS, 3.5x18mm  |
| AR-8835VCL-20                                                  | VAL KreuLock™ Comp. Screw, SS, 3.5x20mm  |
| AR-8835VCL-22                                                  | VAL KreuLock™ Comp. Screw, SS, 3.5x22mm  |
| AR-8835VCL-24                                                  | VAL KreuLock™ Comp. Screw, SS, 3.5x24mm  |
| AR-8835VCL-26                                                  | VAL KreuLock™ Comp. Screw, SS, 3.5x26mm  |

| Item Number   | Product Description                     |
|---------------|-----------------------------------------|
| AR-8835VCL-28 | VAL KreuLock™ Comp. Screw, SS, 3.5x28mm |
| AR-8835VCL-30 | VAL KreuLock™ Comp. Screw, SS, 3.5x30mm |
| AR-8835VCL-32 | VAL KreuLock™ Comp. Screw, SS, 3.5x32mm |
| AR-8835VCL-34 | VAL KreuLock™ Comp. Screw, SS, 3.5x34mm |
| AR-8835VCL-36 | VAL KreuLock™ Comp. Screw, SS, 3.5x36mm |
| AR-8835VCL-38 | VAL KreuLock™ Comp. Screw, SS, 3.5x38mm |
| AR-8835VCL-40 | VAL KreuLock™ Comp. Screw, SS, 3.5x40mm |
| AR-8835VCL-42 | VAL KreuLock™ Comp. Screw, SS, 3.5x42mm |
| AR-8835VCL-44 | VAL KreuLock™ Comp. Screw, SS, 3.5x44mm |
| AR-8835VCL-45 | VAL KreuLock™ Comp. Screw, SS, 3.5x45mm |
| AR-8835VCL-46 | VAL KreuLock™ Comp. Screw, SS, 3.5x46mm |
| AR-8835VCL-48 | VAL KreuLock™ Comp. Screw, SS, 3.5x48mm |
| AR-8835VCL-50 | VAL KreuLock™ Comp. Screw, SS, 3.5x50mm |
| AR-8835VCL-52 | VAL KreuLock™ Comp. Screw, SS, 3.5x52mm |
| AR-8835VCL-54 | VAL KreuLock™ Comp. Screw, SS, 3.5x54mm |
| AR-8835VCL-55 | VAL KreuLock™ Comp. Screw, SS, 3.5x55mm |
| AR-8835VCL-56 | VAL KreuLock™ Comp. Screw, SS, 3.5x56mm |
| AR-8835VCL-58 | VAL KreuLock™ Comp. Screw, SS, 3.5x58mm |
| AR-8835VCL-60 | VAL KreuLock™ Comp. Screw, SS, 3.5x60mm |
| AR-8835VCL-62 | VAL KreuLock™ Comp. Screw, SS, 3.5x62mm |
| AR-8835VCL-64 | VAL KreuLock™ Comp. Screw, SS, 3.5x64mm |
| AR-8835VCL-65 | VAL KreuLock™ Comp. Screw, SS, 3.5x65mm |
| AR-8835VCL-66 | VAL KreuLock™ Comp. Screw, SS, 3.5x66mm |
| AR-8835VCL-68 | VAL KreuLock™ Comp. Screw, SS, 3.5x68mm |
| AR-8835VCL-70 | VAL KreuLock™ Comp. Screw, SS, 3.5x70mm |
| AR-8835VCL-72 | VAL KreuLock™ Comp. Screw, SS, 3.5x72mm |
| AR-8835VCL-74 | VAL KreuLock™ Comp. Screw, SS, 3.5x74mm |

| Item Number                                             | Product Description                     |
|---------------------------------------------------------|-----------------------------------------|
| AR-8835VCL-75                                           | VAL KreuLock™ Comp. Screw, SS, 3.5x75mm |
| AR-8835VCL-76                                           | VAL KreuLock™ Comp. Screw, SS, 3.5x76mm |
| AR-8835VCL-78                                           | VAL KreuLock™ Comp. Screw, SS, 3.5x78mm |
| AR-8835VCL-80                                           | VAL KreuLock™ Comp. Screw, SS, 3.5x80mm |
| AR-8835VCL-85                                           | VAL KreuLock™ Comp. Screw, SS, 3.5x85mm |
| AR-8835VCL-90                                           | VAL KreuLock™ Comp. Screw, SS, 3.5x90mm |
| AR-8835VCL-95                                           | VAL KreuLock™ Comp. Screw, SS, 3.5x95mm |
| <b>KreuLock VAL Screw, 2.0 mm, Titanium (Ti) series</b> |                                         |
| AR-18720VCL-06                                          | KreuLock VAL Screw, Ti, 2.0 x 6mm       |
| AR-18720VCL-07                                          | KreuLock VAL Screw, Ti, 2.0 x 7mm       |
| AR-18720VCL-08                                          | KreuLock VAL Screw, Ti, 2.0 x 8mm       |
| AR-18720VCL-09                                          | KreuLock VAL Screw, Ti, 2.0 x 9mm       |
| AR-18720VCL-10                                          | KreuLock VAL Screw, Ti, 2.0 x 10mm      |
| AR-18720VCL-11                                          | KreuLock VAL Screw, Ti, 2.0 x 11mm      |
| AR-18720VCL-12                                          | KreuLock VAL Screw, Ti, 2.0 x 12mm      |
| AR-18720VCL-13                                          | KreuLock VAL Screw, Ti, 2.0 x 13mm      |
| AR-18720VCL-14                                          | KreuLock VAL Screw, Ti, 2.0 x 14mm      |
| AR-18720VCL-15                                          | KreuLock VAL Screw, Ti, 2.0 x 15mm      |
| AR-18720VCL-16                                          | KreuLock VAL Screw, Ti, 2.0 x 16mm      |
| AR-18720VCL-18                                          | KreuLock VAL Screw, Ti, 2.0 x 18mm      |
| AR-18720VCL-20                                          | KreuLock VAL Screw, Ti, 2.0 x 20mm      |
| AR-18720VCL-22                                          | KreuLock VAL Screw, Ti, 2.0 x 22mm      |
| AR-18720VCL-24                                          | KreuLock VAL Screw, Ti, 2.0 x 24mm      |
| AR-18720VCL-26                                          | KreuLock VAL Screw, Ti, 2.0 x 26mm      |
| AR-18720VCL-28                                          | KreuLock VAL Screw, Ti, 2.0 x 28mm      |
| AR-18720VCL-30                                          | KreuLock VAL Screw, Ti, 2.0 x 30mm      |
| AR-18720VCL-32                                          | KreuLock VAL Screw, Ti, 2.0 x 32mm      |

| Item Number                                             | Product Description                     |
|---------------------------------------------------------|-----------------------------------------|
| AR-18720VCL-34                                          | KreuLock VAL Screw, Ti, 2.0 x 34mm      |
| AR-18720VCL-36                                          | KreuLock VAL Screw, Ti, 2.0 x 36mm      |
| AR-18720VCL-38                                          | KreuLock VAL Screw, Ti, 2.0 x 38mm      |
| AR-18720VCL-40                                          | KreuLock VAL Screw, Ti, 2.0 x 40mm      |
| <b>VAL KreuLock Screw, 2.7 mm, Titanium (Ti) series</b> |                                         |
| AR-8927VCL-10                                           | VAL KreuLock™ Comp. Screw, Ti, 2.7x10mm |
| AR-8927VCL-11                                           | VAL KreuLock™ Comp. Screw, Ti, 2.7x11mm |
| AR-8927VCL-12                                           | VAL KreuLock™ Comp. Screw, Ti, 2.7x12mm |
| AR-8927VCL-13                                           | VAL KreuLock™ Comp. Screw, Ti, 2.7x13mm |
| AR-8927VCL-14                                           | VAL KreuLock™ Comp. Screw, Ti, 2.7x14mm |
| AR-8927VCL-15                                           | VAL KreuLock™ Comp. Screw, Ti, 2.7x15mm |
| AR-8927VCL-16                                           | VAL KreuLock™ Comp. Screw, Ti, 2.7x16mm |
| AR-8927VCL-18                                           | VAL KreuLock™ Comp. Screw, Ti, 2.7x18mm |
| AR-8927VCL-20                                           | VAL KreuLock™ Comp. Screw, Ti, 2.7x20mm |
| AR-8927VCL-22                                           | VAL KreuLock™ Comp. Screw, Ti, 2.7x22mm |
| AR-8927VCL-24                                           | VAL KreuLock™ Comp. Screw, Ti, 2.7x24mm |
| AR-8927VCL-26                                           | VAL KreuLock™ Comp. Screw, Ti, 2.7x26mm |
| AR-8927VCL-28                                           | VAL KreuLock™ Comp. Screw, Ti, 2.7x28mm |
| AR-8927VCL-30                                           | VAL KreuLock™ Comp. Screw, Ti, 2.7x30mm |
| AR-8927VCL-32                                           | VAL KreuLock™ Comp. Screw, Ti, 2.7x32mm |
| AR-8927VCL-34                                           | VAL KreuLock™ Comp. Screw, Ti, 2.7x34mm |
| AR-8927VCL-36                                           | VAL KreuLock™ Comp. Screw, Ti, 2.7x36mm |
| AR-8927VCL-38                                           | VAL KreuLock™ Comp. Screw, Ti, 2.7x38mm |
| AR-8927VCL-40                                           | VAL KreuLock™ Comp. Screw, Ti, 2.7x40mm |
| AR-8927VCL-42                                           | VAL KreuLock™ Comp. Screw, Ti, 2.7x42mm |
| AR-8927VCL-44                                           | VAL KreuLock™ Comp. Screw, Ti, 2.7x44mm |
| AR-8927VCL-45                                           | VAL KreuLock™ Comp. Screw, Ti, 2.7x45mm |

| Item Number                                              | Product Description                     |
|----------------------------------------------------------|-----------------------------------------|
| AR-8927VCL-46                                            | VAL KreuLock™ Comp. Screw, Ti, 2.7x46mm |
| AR-8927VCL-48                                            | VAL KreuLock™ Comp. Screw, Ti, 2.7x48mm |
| AR-8927VCL-50                                            | VAL KreuLock™ Comp. Screw, Ti, 2.7x50mm |
| AR-8927VCL-52                                            | VAL KreuLock™ Comp. Screw, Ti, 2.7x52mm |
| AR-8927VCL-54                                            | VAL KreuLock™ Comp. Screw, Ti, 2.7x54mm |
| AR-8927VCL-55                                            | VAL KreuLock™ Comp. Screw, Ti, 2.7x55mm |
| AR-8927VCL-56                                            | VAL KreuLock™ Comp. Screw, Ti, 2.7x56mm |
| AR-8927VCL-58                                            | VAL KreuLock™ Comp. Screw, Ti, 2.7x58mm |
| AR-8927VCL-60                                            | VAL KreuLock™ Comp. Screw, Ti, 2.7x60mm |
| AR-8927VCL-65                                            | VAL KreuLock™ Comp. Screw, Ti, 2.7x65mm |
| AR-8927VCL-70                                            | VAL KreuLock™ Comp. Screw, Ti, 2.7x70mm |
| AR-8927VCL-75                                            | VAL KreuLock™ Comp. Screw, Ti, 2.7x75mm |
| AR-8927VCL-80                                            | VAL KreuLock™ Comp. Screw, Ti, 2.7x80mm |
| VAL KreuLock Screw, 3.0 mm, Hybrid, Titanium (Ti) series |                                         |
| AR-8933HVCL-12                                           | Hybrid VAL KreuLock Screw, Ti, 3.0x12   |
| AR-8933HVCL-14                                           | Hybrid VAL KreuLock Screw, Ti, 3.0x14   |
| AR-8933HVCL-16                                           | Hybrid VAL KreuLock Screw, Ti, 3.0x16   |
| AR-8933HVCL-18                                           | Hybrid VAL KreuLock Screw, Ti, 3.0x18   |
| AR-8933HVCL-20                                           | Hybrid VAL KreuLock Screw, Ti, 3.0x20   |
| AR-8933HVCL-22                                           | Hybrid VAL KreuLock Screw, Ti, 3.0x22   |
| AR-8933HVCL-24                                           | Hybrid VAL KreuLock Screw, Ti, 3.0x24   |
| AR-8933HVCL-26                                           | Hybrid VAL KreuLock Screw, Ti, 3.0x26   |
| AR-8933HVCL-28                                           | Hybrid VAL KreuLock Screw, Ti, 3.0x28   |
| AR-8933HVCL-30                                           | Hybrid VAL KreuLock Screw, Ti, 3.0x30   |
| AR-8933HVCL-32                                           | Hybrid VAL KreuLock Screw, Ti, 3.0x32   |
| AR-8933HVCL-34                                           | Hybrid VAL KreuLock Screw, Ti, 3.0x34   |
| AR-8933HVCL-36                                           | Hybrid VAL KreuLock Screw, Ti, 3.0x36   |



| Item Number                                             | Product Description                   |
|---------------------------------------------------------|---------------------------------------|
| AR-8933HVCL-38                                          | Hybrid VAL KreuLock Screw, Ti, 3.0x38 |
| AR-8933HVCL-40                                          | Hybrid VAL KreuLock Screw, Ti, 3.0x40 |
| AR-8933HVCL-42                                          | Hybrid VAL KreuLock Screw, Ti, 3.0x42 |
| AR-8933HVCL-44                                          | Hybrid VAL KreuLock Screw, Ti, 3.0x44 |
| AR-8933HVCL-46                                          | Hybrid VAL KreuLock Screw, Ti, 3.0x46 |
| AR-8933HVCL-48                                          | Hybrid VAL KreuLock Screw, Ti, 3.0x48 |
| AR-8933HVCL-50                                          | Hybrid VAL KreuLock Screw, Ti, 3.0x50 |
| AR-8933HVCL-52                                          | Hybrid VAL KreuLock Screw, Ti, 3.0x52 |
| AR-8933HVCL-54                                          | Hybrid VAL KreuLock Screw, Ti, 3.0x54 |
| AR-8933HVCL-56                                          | Hybrid VAL KreuLock Screw, Ti, 3.0x56 |
| AR-8933HVCL-58                                          | Hybrid VAL KreuLock Screw, Ti, 3.0x58 |
| AR-8933HVCL-60                                          | Hybrid VAL KreuLock Screw, Ti, 3.0x60 |
| AR-8933HVCL-65                                          | Hyb VAL KreuLock Screw, 3.0x65mm      |
| AR-8933HVCL-70                                          | Hyb VAL KreuLock Screw, 3.0x70mm      |
| AR-8933HVCL-75                                          | Hyb VAL KreuLock Screw, 3.0x75mm      |
| AR-8933HVCL-80                                          | Hyb VAL KreuLock Screw, 3.0x80mm      |
| <b>VAL KreuLock Screw, 3.0 mm, Titanium (Ti) series</b> |                                       |
| AR-8933VCL-10                                           | VAL KreuLock Screw, Ti, 3.0x10        |
| AR-8933VCL-12                                           | VAL KreuLock Screw, Ti, 3.0x12        |
| AR-8933VCL-14                                           | VAL KreuLock Screw, Ti, 3.0x14        |
| AR-8933VCL-16                                           | VAL KreuLock Screw, Ti, 3.0x16        |
| AR-8933VCL-18                                           | VAL KreuLock Screw, Ti, 3.0x18        |
| AR-8933VCL-20                                           | VAL KreuLock Screw, Ti, 3.0x20        |
| AR-8933VCL-22                                           | VAL KreuLock Screw, Ti, 3.0x22        |
| AR-8933VCL-24                                           | VAL KreuLock Screw, Ti, 3.0x24        |
| AR-8933VCL-26                                           | VAL KreuLock Screw, Ti, 3.0x26        |
| AR-8933VCL-28                                           | VAL KreuLock Screw, Ti, 3.0x28        |

| Item Number                                      | Product Description                       |
|--------------------------------------------------|-------------------------------------------|
| AR-8933VCL-30                                    | VAL KreuLock Screw, Ti, 3.0x30            |
| AR-8933VCL-32                                    | VAL KreuLock Screw, Ti, 3.0x32            |
| AR-8933VCL-34                                    | VAL KreuLock Screw, Ti, 3.0x34            |
| AR-8933VCL-36                                    | VAL KreuLock Screw, Ti, 3.0x36            |
| AR-8933VCL-38                                    | VAL KreuLock Screw, Ti, 3.0x38            |
| AR-8933VCL-40                                    | VAL KreuLock Screw, Ti, 3.0x40            |
| AR-8933VCL-42                                    | VAL KreuLock Screw, Ti, 3.0x42mm          |
| AR-8933VCL-44                                    | VAL KreuLock Screw, Ti, 3.0x44mm          |
| AR-8933VCL-46                                    | VAL KreuLock Screw, Ti, 3.0x46mm          |
| AR-8933VCL-48                                    | VAL KreuLock Screw, Ti, 3.0x48mm          |
| AR-8933VCL-50                                    | VAL KreuLock Screw, Ti, 3.0x50mm          |
| AR-8933VCL-52                                    | VAL KreuLock Screw, Ti, 3.0x52mm          |
| AR-8933VCL-54                                    | VAL KreuLock Screw, Ti, 3.0x54mm          |
| AR-8933VCL-56                                    | VAL KreuLock Screw, Ti, 3.0x56mm          |
| AR-8933VCL-58                                    | VAL KreuLock Screw, Ti, 3.0x58mm          |
| AR-8933VCL-60                                    | VAL KreuLock Screw, Ti, 3.0x60mm          |
| AR-8933VCL-65                                    | VAL KreuLock Screw, Ti, 3.0x65mm          |
| AR-8933VCL-70                                    | VAL KreuLock Screw, Ti, 3.0x70mm          |
| AR-8933VCL-75                                    | VAL KreuLock Screw, Ti, 3.0x75mm          |
| AR-8933VCL-80                                    | VAL KreuLock Screw, Ti, 3.0x80mm          |
| VAL KreuLock Screw, 3.5 mm, Titanium (Ti) series |                                           |
| AR-8935RVCL-10                                   | VAL KreuLock™ Comp. Screw,Ti,3.5x10mm,Ri  |
| AR-8935RVCL-100                                  | VAL KreuLock™ Comp. Screw,Ti,3.5x100mm,Ri |
| AR-8935RVCL-105                                  | VAL KreuLock™ Comp. Screw,Ti,3.5x105mm,Ri |
| AR-8935RVCL-110                                  | VAL KreuLock™ Comp. Screw,Ti,3.5x110mm,Ri |
| AR-8935RVCL-12                                   | VAL KreuLock™ Comp. Screw,Ti,3.5x12mm,Ri  |
| AR-8935RVCL-14                                   | VAL KreuLock™ Comp. Screw,Ti,3.5x14mm,Ri  |

| Item Number    | Product Description                      |
|----------------|------------------------------------------|
| AR-8935RVCL-16 | VAL KreuLock™ Comp. Screw,Ti,3.5x16mm,Ri |
| AR-8935RVCL-18 | VAL KreuLock™ Comp. Screw,Ti,3.5x18mm,Ri |
| AR-8935RVCL-20 | VAL KreuLock™ Comp. Screw,Ti,3.5x20mm,Ri |
| AR-8935RVCL-22 | VAL KreuLock™ Comp. Screw,Ti,3.5x22mm,Ri |
| AR-8935RVCL-24 | VAL KreuLock™ Comp. Screw,Ti,3.5x24mm,Ri |
| AR-8935RVCL-26 | VAL KreuLock™ Comp. Screw,Ti,3.5x26mm,Ri |
| AR-8935RVCL-28 | VAL KreuLock™ Comp. Screw,Ti,3.5x28mm,Ri |
| AR-8935RVCL-30 | VAL KreuLock™ Comp. Screw,Ti,3.5x30mm,Ri |
| AR-8935RVCL-32 | VAL KreuLock™ Comp. Screw,Ti,3.5x32mm,Ri |
| AR-8935RVCL-34 | VAL KreuLock™ Comp. Screw,Ti,3.5x34mm,Ri |
| AR-8935RVCL-36 | VAL KreuLock™ Comp. Screw,Ti,3.5x36mm,Ri |
| AR-8935RVCL-38 | VAL KreuLock™ Comp. Screw,Ti,3.5x38mm,Ri |
| AR-8935RVCL-40 | VAL KreuLock™ Comp. Screw,Ti,3.5x40mm,Ri |
| AR-8935RVCL-42 | VAL KreuLock™ Comp. Screw,Ti,3.5x42mm,Ri |
| AR-8935RVCL-44 | VAL KreuLock™ Comp. Screw,Ti,3.5x44mm,Ri |
| AR-8935RVCL-45 | VAL KreuLock™ Comp. Screw,Ti,3.5x45mm,Ri |
| AR-8935RVCL-46 | VAL KreuLock™ Comp. Screw,Ti,3.5x46mm,Ri |
| AR-8935RVCL-48 | VAL KreuLock™ Comp. Screw,Ti,3.5x48mm,Ri |
| AR-8935RVCL-50 | VAL KreuLock™ Comp. Screw,Ti,3.5x50mm,Ri |
| AR-8935RVCL-52 | VAL KreuLock™ Comp. Screw,Ti,3.5x52mm,Ri |
| AR-8935RVCL-54 | VAL KreuLock™ Comp. Screw,Ti,3.5x54mm,Ri |
| AR-8935RVCL-55 | VAL KreuLock™ Comp. Screw,Ti,3.5x55mm,Ri |
| AR-8935RVCL-56 | VAL KreuLock™ Comp. Screw,Ti,3.5x56mm,Ri |
| AR-8935RVCL-58 | VAL KreuLock™ Comp. Screw,Ti,3.5x58mm,Ri |
| AR-8935RVCL-60 | VAL KreuLock™ Comp. Screw,Ti,3.5x60mm,Ri |
| AR-8935RVCL-62 | VAL KreuLock™ Comp. Screw,Ti,3.5x62mm,Ri |
| AR-8935RVCL-64 | VAL KreuLock™ Comp. Screw,Ti,3.5x64mm,Ri |

| Item Number                                             | Product Description                      |
|---------------------------------------------------------|------------------------------------------|
| AR-8935RVCL-65                                          | VAL KreuLock™ Comp. Screw,Ti,3.5x65mm,Ri |
| AR-8935RVCL-66                                          | VAL KreuLock™ Comp. Screw,Ti,3.5x66mm,Ri |
| AR-8935RVCL-68                                          | VAL KreuLock™ Comp. Screw,Ti,3.5x68mm,Ri |
| AR-8935RVCL-70                                          | VAL KreuLock™ Comp. Screw,Ti,3.5x70mm,Ri |
| AR-8935RVCL-72                                          | VAL KreuLock™ Comp. Screw,Ti,3.5x72mm,Ri |
| AR-8935RVCL-74                                          | VAL KreuLock™ Comp. Screw,Ti,3.5x74mm,Ri |
| AR-8935RVCL-75                                          | VAL KreuLock™ Comp. Screw,Ti,3.5x75mm,Ri |
| AR-8935RVCL-76                                          | VAL KreuLock™ Comp. Screw,Ti,3.5x76mm,Ri |
| AR-8935RVCL-78                                          | VAL KreuLock™ Comp. Screw,Ti,3.5x78mm,Ri |
| AR-8935RVCL-80                                          | VAL KreuLock™ Comp. Screw,Ti,3.5x80mm,Ri |
| AR-8935RVCL-85                                          | VAL KreuLock™ Comp. Screw,Ti,3.5x85mm,Ri |
| AR-8935RVCL-90                                          | VAL KreuLock™ Comp. Screw,Ti,3.5x90mm,Ri |
| AR-8935RVCL-95                                          | VAL KreuLock™ Comp. Screw,Ti,3.5x95mm,Ri |
| <b>VAL KreuLock Screw, 3.5 mm, Titanium (Ti) series</b> |                                          |
| AR-8935VCL-10                                           | VAL KreuLock™ Comp. Screw, Ti, 3.5x10mm  |
| AR-8935VCL-12                                           | VAL KreuLock™ Comp. Screw, Ti, 3.5x12mm  |
| AR-8935VCL-14                                           | VAL KreuLock™ Comp. Screw, Ti, 3.5x14mm  |
| AR-8935VCL-16                                           | VAL KreuLock™ Comp. Screw, Ti, 3.5x16mm  |
| AR-8935VCL-18                                           | VAL KreuLock™ Comp. Screw, Ti, 3.5x18mm  |
| AR-8935VCL-20                                           | VAL KreuLock™ Comp. Screw, Ti, 3.5x20mm  |
| AR-8935VCL-22                                           | VAL KreuLock™ Comp. Screw, Ti, 3.5x22mm  |
| AR-8935VCL-24                                           | VAL KreuLock™ Comp. Screw, Ti, 3.5x24mm  |
| AR-8935VCL-26                                           | VAL KreuLock™ Comp. Screw, Ti, 3.5x26mm  |
| AR-8935VCL-28                                           | VAL KreuLock™ Comp. Screw, Ti, 3.5x28mm  |
| AR-8935VCL-30                                           | VAL KreuLock™ Comp. Screw, Ti, 3.5x30mm  |
| AR-8935VCL-32                                           | VAL KreuLock™ Comp. Screw, Ti, 3.5x32mm  |
| AR-8935VCL-34                                           | VAL KreuLock™ Comp. Screw, Ti, 3.5x34mm  |

| Item Number   | Product Description                     |
|---------------|-----------------------------------------|
| AR-8935VCL-36 | VAL KreuLock™ Comp. Screw, Ti, 3.5x36mm |
| AR-8935VCL-38 | VAL KreuLock™ Comp. Screw, Ti, 3.5x38mm |
| AR-8935VCL-40 | VAL KreuLock™ Comp. Screw, Ti, 3.5x40mm |
| AR-8935VCL-42 | VAL KreuLock™ Comp. Screw, Ti, 3.5x42mm |
| AR-8935VCL-44 | VAL KreuLock™ Comp. Screw, Ti, 3.5x44mm |
| AR-8935VCL-45 | VAL KreuLock™ Comp. Screw, Ti, 3.5x45mm |
| AR-8935VCL-46 | VAL KreuLock™ Comp. Screw, Ti, 3.5x46mm |
| AR-8935VCL-48 | VAL KreuLock™ Comp. Screw, Ti, 3.5x48mm |
| AR-8935VCL-50 | VAL KreuLock™ Comp. Screw, Ti, 3.5x50mm |
| AR-8935VCL-52 | VAL KreuLock™ Comp. Screw, Ti, 3.5x52mm |
| AR-8935VCL-54 | VAL KreuLock™ Comp. Screw, Ti, 3.5x54mm |
| AR-8935VCL-55 | VAL KreuLock™ Comp. Screw, Ti, 3.5x55mm |
| AR-8935VCL-56 | VAL KreuLock™ Comp. Screw, Ti, 3.5x56mm |
| AR-8935VCL-58 | VAL KreuLock™ Comp. Screw, Ti, 3.5x58mm |
| AR-8935VCL-60 | VAL KreuLock™ Comp. Screw, Ti, 3.5x60mm |
| AR-8935VCL-62 | VAL KreuLock™ Comp. Screw, Ti, 3.5x62mm |
| AR-8935VCL-64 | VAL KreuLock™ Comp. Screw, Ti, 3.5x64mm |
| AR-8935VCL-65 | VAL KreuLock™ Comp. Screw, Ti, 3.5x65mm |
| AR-8935VCL-66 | VAL KreuLock™ Comp. Screw, Ti, 3.5x66mm |
| AR-8935VCL-68 | VAL KreuLock™ Comp. Screw, Ti, 3.5x68mm |
| AR-8935VCL-70 | VAL KreuLock™ Comp. Screw, Ti, 3.5x70mm |
| AR-8935VCL-72 | VAL KreuLock™ Comp. Screw, Ti, 3.5x72mm |
| AR-8935VCL-74 | VAL KreuLock™ Comp. Screw, Ti, 3.5x74mm |
| AR-8935VCL-75 | VAL KreuLock™ Comp. Screw, Ti, 3.5x75mm |
| AR-8935VCL-76 | VAL KreuLock™ Comp. Screw, Ti, 3.5x76mm |
| AR-8935VCL-78 | VAL KreuLock™ Comp. Screw, Ti, 3.5x78mm |
| AR-8935VCL-80 | VAL KreuLock™ Comp. Screw, Ti, 3.5x80mm |

| Item Number   | Product Description                     |
|---------------|-----------------------------------------|
| AR-8935VCL-85 | VAL KreuLock™ Comp. Screw, Ti, 3.5x85mm |
| AR-8935VCL-90 | VAL KreuLock™ Comp. Screw, Ti, 3.5x90mm |

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## Contact Information

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Any serious incident that occurs in relation to the device should be reported to the manufacturer and to the health authority where the incident occurred.

| Region                                                                                             | Contact                                                                                                                           |
|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
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| Arthrex GmbH                                                                                       | Erwin-Hielscher-Strasse 9<br>81249 München, Germany<br>☎ +49 89 90 90 05-0<br><a href="http://arthrex.de">arthrex.de</a>          |

USA – U. S. Food & Drug Administration website: <https://www.fda.gov/safety/medwatch-fda-safety-information-and-adverse-event-reporting-program>

Symbols glossary can be found at [www.arthrex.com/symbolsglossary](http://www.arthrex.com/symbolsglossary).



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