

TIGER LARGE HEADLESS CANNULATED SCREW SYSTEM

The Tiger Large Cannulated Headless Screw is a self-drilling, self-tapping, titanium alloy lag screw with the look, strength, and bite of a "Tiger."

CANNULATED SCREW FIXATION

- 5.5 and 7.0mm diameter Type II anodized screws available in both long and short thread lengths
- Tiger stripe flute intended to channel out bone particulate, increase implant-to-bone surface area for better osteointegration capabilities, and disperse insertion stress
- Hexalobe head with tapered proximal shaft intended to add torsional strength at time of greatest need
- The thread pitch variance of the proximal to distal threads is intended for optimal compression



TIGER LARGE HEADLESS CANNULATED SCREW SYSTEM



Diameter	5.5mm	5.5mm	7.0mm	7.0mm
Thread Length	Short (16mm)	Long (32mm)	Short (16mm)	Long (26-32mm)
Screw Lengths*	30-80mm	50-90mm	50-120mm	50-120mm

*Screw lengths offered in 5mm increments

SURGICAL TECHNIQUE



STEP 1: If distraction of osteotomy or fracture site occurs or is likely, a bone clamp may be used to help mitigate displacement.



sleeve, drill sleeve, guide wire sleeve, and trocar.

STEP 2: If use of the sleeve assembly is desired, assemble using a fixed handle and insert the appropriate size sleeves per desired implant diameter used in the following order: screw



STEP 3: Apply sleeve assembly to surgical site. If necessary, use the trocar to clear excess tissue. Remove the trocar sleeve from the sleeve assembly.

STEP 4: Using the guide wire sleeve, insert the appropriate size K-wire to the desired depth under image intensification. Avoid bending the K-wire when placing into bone by inserting in 15mm–20mm increments. Once K-wire is placed, remove the guide wire sleeve from the sleeve assembly.



STEP 5: Slide the depth gauge over the K-wire advancing until the depth gauge contacts bone. Measure for the desired screw length by examining the end of the K-wire in relation to the marks on the depth gauge.



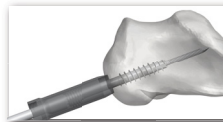
STEP 6: Pre-drill to reduce the axial force necessary for inserting the screw in cases of dense bone. Note: To avoid over drilling, drill in 5mm - 10mm increments. Remove the drill sleeve from the sleeve assembly.



placement.

STEP 7: In cases of dense bone, place the proximal drill over the K-wire until the tip contacts bone. Drill until the indication line on the instrument aligns with the proximal end of the drill sleeve to provide proper clearance for screw head

STEP 8: Remove the desired Tiger Large Cannulated Headless Screw from the screw block. Slide the screw over the K-wire.



STEP 9: Using a handle and the appropriate size driver shaft, drive the Tiger Large Cannulated Headless screw into bone rotating clockwise until the desired fixation is achieved.



STEP 10: Remove and discard the K-Wire.

LARGE CANNULATED HEADLESS SCREWS WITHOUT SLEEVE ASSEMBLY

STEP 1: If distraction of osteotomy or fracture site occurs or is likely, a bone clamp may be used to help mitigate displacement. **STEP 2:** If sleeve assembly is not utilized, ensure visibility and access to the site by retracting any ancillary soft tissue. **STEP 3:** Insert the appropriate size K-wire to the desired depth under image intensification. Avoid bending the K-wire when placing into bone by inserting in 15mm – 20mm increments. **STEP 4:** Slide the depth gauge over the K-wire advancing until the depth gauge contacts bone. Measure for the desired screw length by examining the end of the K-wire in relation to the marks on the depth gauge. **STEP 5:** Pre-drill to reduce the axial force necessary for inserting the screw in cases of dense bone. Note: To avoid over drilling, drill in 5mm - 10mm increments. **STEP 6:** In cases of dense bone, place the proximal drill over the K-wire until the tip contacts bone. Drill until the head tapers to the shaft diameter to provide proper clearance for screw head placement. **STEP 7:** Remove the desired Tiger Large Cannulated Headless Screw from the screw block. Slide the screw over the K-wire. **STEP 8:** Using a handle and the appropriate size driver shaft, drive the Tiger Large Cannulated Headless screw into bone rotating clockwise until the desired fixation is achieved. **STEP 9:** Remove and discard the K-wire.

SCREW REMOVAL (IF NECESSARY)

STEP 1: Locate implant with intra-operative imaging. **STEP 2:** Locate the head of the screw and remove surrounding soft tissue to gain maximum exposure. **STEP 3:** Engage screw head with appropriate driver. Rotate counterclockwise until screw is removed. **STEP 4:** OPTION: If screw head is stripped, insert screw extractor into screw cannulation, tap with a mallet, and rotate counterclockwise until reverse threads are engaged. Continue rotating counterclockwise until screw is removed. **STEP 5:** Once screw is removed it should be treated as medical waste and disposed of accordingly.

Certain system features are covered under U.S. Patent No. 9,387,028.
FDA cleared 510(k) K112737 & K153338.
Trilliant products are made in the U.S.A.



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900-00-069 Rev G

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