

ACCORD Cable System

Surgical technique completed
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Nota Bene: The technique description herein is made available to the healthcare professional to illustrate the authors' suggested treatment for the uncomplicated procedure. In the final analysis, the preferred treatment is that which addresses the needs of the patient.

There are two techniques. One technique involves the use of cables only, and the second technique involves the implantation of a trochanteric grip with cables (grip contains pre-assembled clamps).

Introduction

The ACCORD Cable System is the result of the most advanced cable technology in orthopaedics. It will be the most Effective, Efficient and Extensive system on the market.

ACCORD is effective because of the strength and flexibility of the cable – it has 20 times the fatigue strength of older cables like the Dall-Miles™ and RIES®.

ACCORD is efficient because it can be retightened without damaging the cable – something other cables cannot do.

ACCORD is an extensive system – it includes cobalt chrome and stainless steel cables, trochanteric grips that come in two sizes and four lengths, and even grip trials. The system also includes screws, spikes and plates for trauma situations.



Technique 1: Implanting Cables Only

This technique can be used, for example, for attaching a femoral strut graft. For this technique, the cable with clamp (7134-0007) must be used.

Cable Passers



Step One

Slide the Cable Passer under and around the bone. There are three cable passers available: straight, 30° offset, and large 30° offset.

Figure 1



Figure 2



Step Two

Slip the non-beaded end of the cable through the pointed end of the Cable Passer (Figure 1). Remove the Cable Passer. The cable should now be around the bone.

Step Three

Run the free end of the cable through the clamp, thus creating a loop (Figure 2).

Tensioner

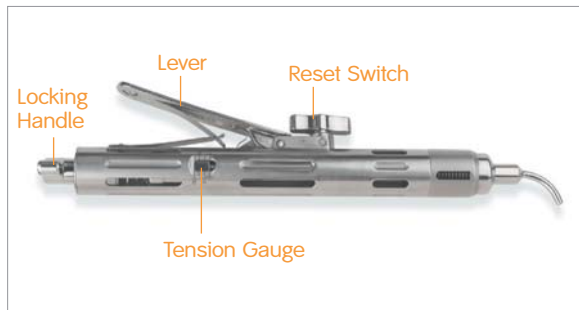


Figure 4 Locking Handle



Figure 3 Reset Switch



Figure 5



Step Four

Reset the Tensioner by turning the reset switch clockwise (Figure 3). Confirm that the locking handle of the Tensioner is open by turning it counterclockwise (Figure 4). Pass the free end of the cable through the Tensioner and pull through until the Tensioner is seated against the clamp and there is no slack (Figure 5).

NOTE: If a red band is protruding from the locking handle, the Tensioner has not been reset.

Step Five

Turn the locking handle clockwise (as indicated by the word "lock" on the Tensioner) until well tightened to grip the cable.

Step Six

Apply tension to the cable by pumping the lever on the Tensioner.

NOTE: If the tension gauge does not advance with each pump, the Tensioner is not gripping the cable sufficiently. Retighten the locking handle and continue pumping until the desired tension is obtained.

Once the second red band protrudes from the locking handle, no more tension should be applied.

Torque-Limiting Screwdriver*



* Interchangeable driver bits available (not shown)

Flush Cutter



Step Seven

Before removing the Tensioner, tighten the clamp screw completely with the Torque-Limiting Screwdriver by turning clockwise.

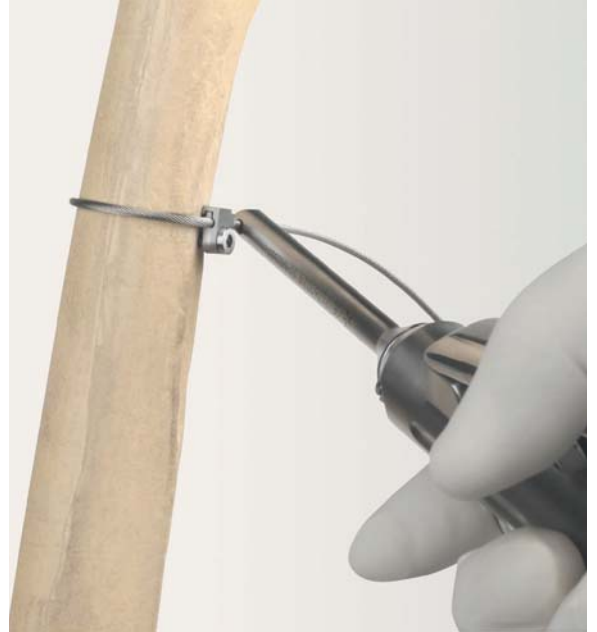
NOTE: Tighten the clamp screw until a single click is heard.

Step Eight

Release the cable from the Tensioner by loosening the locking handle (turn counterclockwise). Remove the Tensioner.

Remember that the ACCORD system allows you to loosen the clamp with the Torque-Limiting Screwdriver and retighten when necessary without the use of any extra instrument.

Figure 6



Step Nine

Use the Flush Cutter to cut the excess cable (Figure 6).

NOTE: In order for the cut to be flush, the cutting side of the Flush Cutter must be adjacent to the clamp. This side is indicated on the instrument by the words “cut this side.”

Technique 2: Implanting a Trochanteric Grip with Cables

This technique can be used to reattach the greater trochanter. For this technique, clamps are built into the grips, and therefore cables without clamps (7134-0020) should be used.

Trochanteric Grip Trial



Positioner



Figure 7



Step One

Use the Trochanteric Grip Trials to determine which size and length grip will best accommodate the patient's femur. There are two trochanter sizes: small and standard, and there are four lengths: 3-, 5-, 8- and 11-cable grips.

Step Two

Attach the Positioner to the Trochanteric Grip or Trial by placing the foot of the Positioner over the threaded hole. Once seated, connect the Positioner by screwing the handle into the hole. Place the hooks of the grip over the trochanter to capture it, and position the trochanter in place on the patient's femur.

NOTE: The Positioner will attach to the trials and grips (Figure 7). If desired, the handle of the Positioner can be subjected to light mallet blows in order to sink the hooks of the grip into the bone.

Step Three

Pass the non-beaded end of the cables through either one of the pair of holes of the clamp built into the Trochanteric Grip.

Figure 8



Step Four

Use the Cable Passers to run cable under and around the femur (Figure 8).

NOTE: The cable must be inserted through the pointed end of the Cable Passers.

Step Five

Run the free end of the cables back through the remaining hole for the clamps.

Tensioner

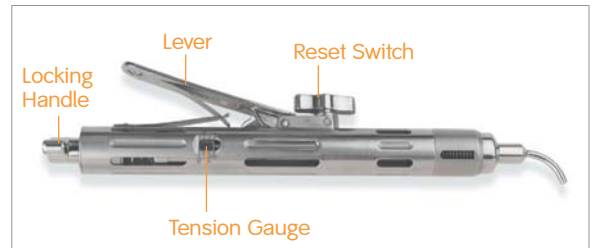


Figure 9 Reset Switch



Figure 10 Locking Handle



Figure 11



Perform the following steps for each cable:

Step Six

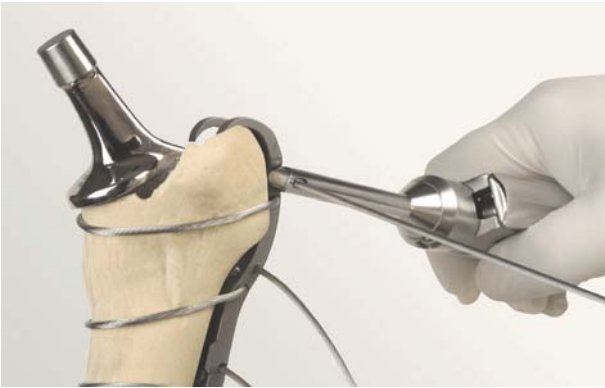
Reset the Tensioner by turning the reset switch clockwise (Figure 9). Confirm that the locking handle of the Tensioner is open and turned counterclockwise (Figure 10). Pass the free end of the cable through the Tensioner and pull through until the Tensioner is seated against the clamp and there is absolutely no slack (Figure 11).

NOTE: If a red band is not protruding from the locking handle, the Tensioner has not been reset.

Step Seven

Turn the locking handle clockwise (as indicated by the word "lock" on the Tensioner) until well tightened to grip the cable.

Figure 12



Step Eight

Apply tension to the cable by pumping the lever on the Tensioner.

NOTE: If the tension gauge does not advance with each pump, the Tensioner is not gripping the cable sufficiently. Retighten the locking handle and continue pumping until the desired tension is obtained.

Once the second red band is protruding from the locking handle, no more tension should be applied.

Step Nine

Before removing the Tensioner, tighten the clamp screw completely with the Torque-Limiting Screwdriver by turning clockwise.

NOTE: Tighten the clamp screw until a single click is heard.

Step Ten

Release the cable from the Tensioner by loosening the locking handle (turn counterclockwise). Remove the Tensioner.

Step Eleven

Repeat this tensioning process for each cable and clamp on the Grip.

Remember that the ACCORD system allows you to loosen the clamp with the Torque-Limiting Screwdriver and retighten when necessary without the use of any extra instrument.

Step Twelve

Use the Flush Cutter to cut the excess cable (Figure 12).

NOTE: In order for the cut to be flush, the cutting side of the Flush Cutter must be adjacent to the clamp. This side is indicated on the instrument by the words “cut this side.”

ACCORD Catalog Information

ACCORD Implants	
Cat. No.	Description
7134-5000	ACCORD Implant Set (all small & std grips, 12 cables w/clamp, 12 cables for grips/plates)
7134-0020	ACCORD 2.0 mm CoCr Cable for Grips/Plates
7134-0007	ACCORD 2.0 mm CoCr Cable w/Clamp
7134-0003	ACCORD Small 75 mm 3-Cable Troch Grip
7134-0004	ACCORD Small 115 mm 5-Cable Troch Grip
7134-0005	ACCORD Small 185 mm 8-Cable Troch Grip
7134-0006	ACCORD Small 255 mm 11-Cable Troch Grip
7134-0010	ACCORD Std 85 mm 3-Cable Troch Grip
7134-0011	ACCORD Std 125 mm 5-Cable Troch Grip
7134-0012	ACCORD Std 195 mm 8-Cable Troch Grip
7134-0013	ACCORD Std 265 mm 11-Cable Troch Grip

ACCORD Instruments	
Cat. No.	Description
7136-0005	ACCORD Instrument Set
7136-0019	ACCORD Large 30 Degree Offset Cable Passer
7136-0020	ACCORD Tensioner
7136-0021	ACCORD Straight Cable Passer
7136-0022	ACCORD 30 Degree Offset Cable Passer
7136-0024	ACCORD Flush Cutter
7136-0025	ACCORD Scissor Cutter
7136-0026	ACCORD Troch Grip Positioner
7136-0029	ACCORD Small 75 mm 3-Cable Troch Grip Trial
7136-0030	ACCORD Small 115 mm 5-Cable Troch Grip Trial
7136-0031	ACCORD Small 185 mm 8-Cable Troch Grip Trial
7136-0032	ACCORD Small 255 mm 11-Cable Troch Grip Trial
7136-0033	ACCORD Std 85 mm 3-Cable Troch Grip Trial
7136-0034	ACCORD Std 125 mm 5-Cable Troch Grip Trial
7136-0035	ACCORD Std 195 mm 8-Cable Troch Grip Trial
7136-0036	ACCORD Std 265 mm 11-Cable Troch Grip Trial
7136-0039	ACCORD Torque-Limiting Screwdriver Handle
7136-0040	ACCORD Screwdriver Bit
7136-0042	ACCORD Cable Spike Driver
7136-0041	ACCORD Cable System Instrument Tray

ACCORD Fracture Management	
Cat. No.	Description
7134-5002	ACCORD Titanium Plate Set (all titanium plates and eight 2.0 mm CoCr cables)
7134-0008	ACCORD 2.0 mm SS Cable w/Clamp
7134-0001	ACCORD SS Cable Spike
7134-0002	ACCORD SS Cable Screw
7134-0014	ACCORD SS Low Profile Cable Spike
7134-0015	ACCORD SS Low Profile Cable Screw
7134-6150	ACCORD 150 mm Titanium Plate
7134-6200	ACCORD 200 mm Titanium Plate
7134-6250	ACCORD 250 mm Titanium Plate

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