

SlapDriver Interference Screwdriver System



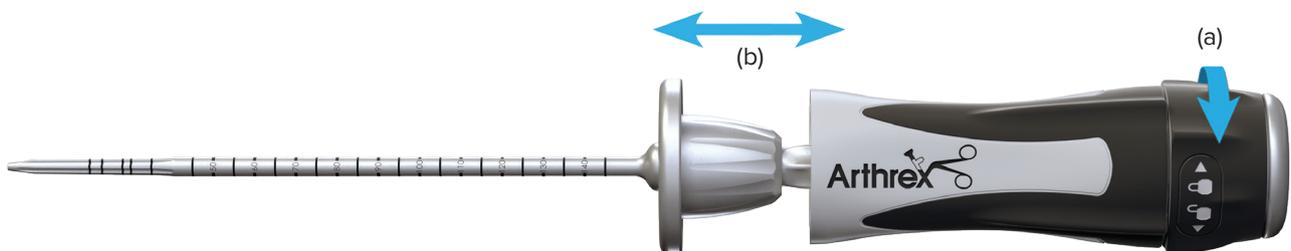
SlapDriver Interference Screwdriver System

Introduction



The SlapDriver interference screwdriver family was designed to combine the technology and reliability of our hexalobe, trilobe, and quick connect ratcheting screwdrivers with the convenience of a built-in slap-hammer mechanism to make driver removal easier and faster.

SlapDriver Screwdriver Features



(a) The SlapDriver screwdriver features a convenient twist-lock knob on the back of the handle to access the slap hammer feature.

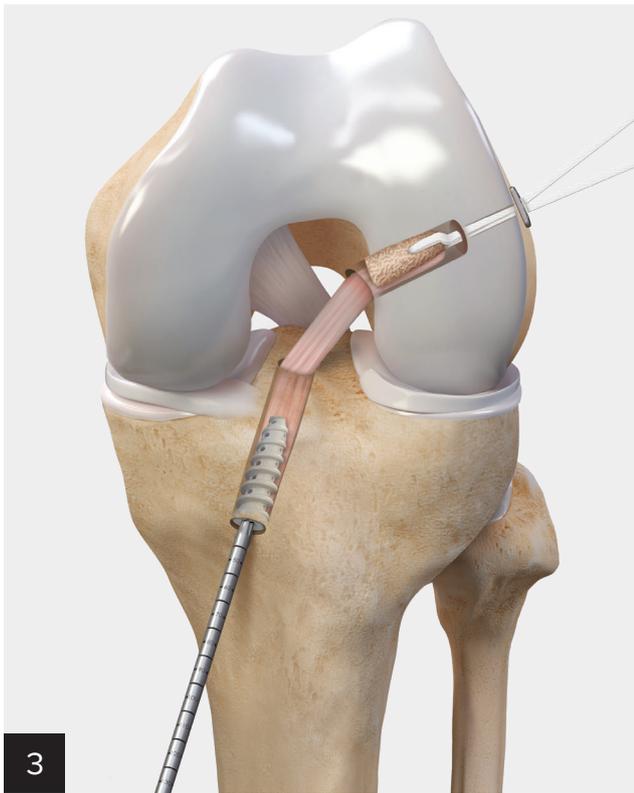
(b) When the lock feature is disengaged, the slap hammer mechanism will be free to piston, aiding in removal of the driver from an implanted screw.



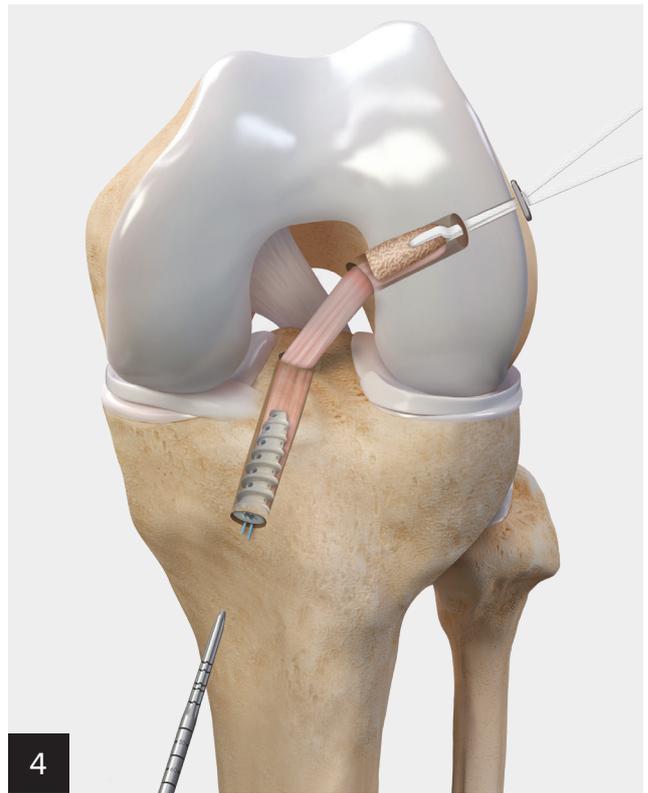
Insert the interference screw. If the driver tip is stuck in the screw, proceed with the slap hammer technique using the SlapDriver.



Unlock the slap hammer mechanism by twisting the knob on the back of the SlapDriver handle counterclockwise.



Forcefully slide the handle away from driver tip in a slap-hammer-style fashion.



Repeat as needed until SlapDriver screwdriver is removed.



SlapDriver Options



AR-1996SD, fixed, for use with 20 mm and 30 mm screws (hexalobe driver)



AR-4020SD, fixed, for use with 20 mm screws (hexalobe driver)



AR-4019SD, fixed, for use with 6 mm × 20 mm screws (trilobe driver)



AR-1999SD, ratcheting quick connect, for use with all current quick connect driver tips

Arthrex FastThread™ Interference Screws



20 mm length

Available in diameters of 6 mm to 10 mm. Ideal for patella tendon graft fixation.



30 mm length

Available in diameters of 7 mm to 12 mm. Ideal for tibial fixation of soft tissue and patella tendon grafts.

SlapDriver screwdrivers are an ideal complement to the recently released FastThread BioComposite and PEEK interference screws. The FastThread screw is easier to insert; its fenestrated design reduces material by 22% compared to existing comparably sized screws.¹ The osteoconductive biocomposite material has more than a decade of clinical history.

- **Faster Insertion:** Prominent leading-thread and large-thread pitch facilitate screw engagement and advancement
- **Strength:** Optimized screw threads improve pull-out strength compared to longer screws of the same diameter²
- **Graft Protection:** Thread design minimizes friction against the graft, while the rounded end protects the graft at the aperture (20 mm screws are packaged with an insertion sheath)
- **Less Material:** Vented sidewalls and screw geometry decrease material by 22% without losing insertion of fixation strength^{1,3}

Strong Clinical History



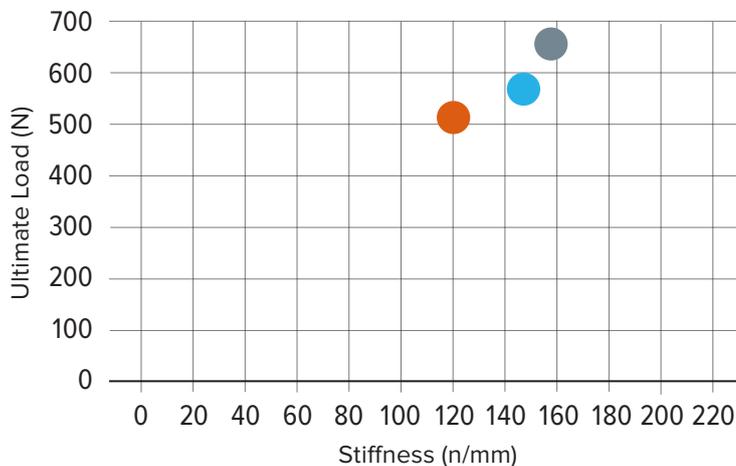
Arthrex's proprietary biocomposite material has more than a decade of clinical use and millions of implantations.⁴ The FastThread™ BioComposite interference screw has a unique hexalobe design along its entire length, which maximizes torque transfer and reduces screw stripping. The screws are available in sizes 6 mm through 12 mm and can be used with existing biocomposite screwdrivers. **Note: Use the trilobe driver (AR-4019D-1) with the 6 mm FastThread screw (seen above).**



FastThread BioComposite interference screws use Arthrex's unique hexalobe design along their entire length to maximize transfer of torque and reduce screw stripping. Screws in sizes 6 mm to 12 mm can be used with existing biocomposite screwdrivers.

Biomechanical Strengths³

- Smith & Nephew Regenesorb™ Screw
8 mm × 20 mm
- Arthrex Biocomposite Screw 8 mm × 23 mm
- Arthrex FastThread Screw 8 mm × 20 mm



Ordering Information

Instruments

Product Description	Item Number
Ratcheting SlapDriver	
SlapDriver, ratcheting quick connect handle	AR-1999SD
Quick Connect Drivers	
Quick Connect Driver, for 20 mm and 30 mm screws (hexalobe)	AR-1996CD-1
Quick Connect Driver, for 20 mm-length screws only (hexalobe)	AR-4020D-1
Quick Connect Driver, extended-length shaft (hexalobe)	AR-1996CDL-1
Flexible Quick Connect Driver, for 20 mm-length screws only (hexalobe)	AR-4020DF
Quick Connect Driver, for 6 mm-diameter screws only (trilobe)	AR-4019D-1
Fixed SlapDrivers	
SlapDriver, fixed, for 20 mm and 30 mm lengths only (hexalobe)	AR-1996SD
SlapDriver, fixed, for 20 mm-length screws only (hexalobe)	AR-4020SD
SlapDriver, fixed, for 6 mm-diameter screws only (trilobe)	AR-4019SD

Taps

Product Description	Item Number
Fixed Handle Taps, 6 mm-10 mm	AR-4020HT-06 – 10
Quick Connect Tap Shafts, 6 mm-10 mm	AR-4020T-06 – 10
Flexible Quick Connect Tap Shafts, 6 mm-10 mm	AR-4020TF-06 – 10

FastThread™ Interference Screw Instrument Set

Product Description	Item Number
FastThread Interference Screw Instrument Set	AR-1996C

Other Instruments

Product Description	Item Number
Tunnel Notcher for Bio-Interference Screws	AR-1845
Cannulated Dilator, for 23 mm biocomposite screws, 6 mm-8 mm	AR-1377C-06 – 08
Reamer Handle and Pin Puller	AR-1415
Nitinol Guide Pin for Bio-Interference Screws, 1.1 mm	AR-1249
Interference Screw Insertion Kit (includes dilator and 1.1 mm trocar-tip guidewire)	AR-1249TK

Implants

Product Description	Item Number
FastThread PEEK Interference Screws	
FastThread PEEK Interference Screw, 6 mm × 20 mm (used with 6 mm driver)	AR-4020P-06
20 mm FastThread PEEK Interference Screw (available in diameters of 7 mm-10 mm)	AR-4020P-07 – 10
30 mm FastThread PEEK Interference Screw (available in diameters of 7 mm-12 mm)	AR-4030P-07 – 12
FastThread BioComposite Interference Screws	
FastThread BioComposite Interference Screw, 6 mm × 20 mm (used with 6 mm driver)	AR-4020C-06
20 mm FastThread BioComposite Screw (available in diameters of 7 mm-10 mm)	AR-4020C-07 – 10
30 mm FastThread BioComposite Screw (available in diameters of 7 mm-12 mm)	AR-4030C-07 – 12

References

1. Arthrex, Inc. Data on file (Engineering department calculation of volume). Naples, FL; 2018.
2. Arthrex, Inc. Data on file (APT 3585). Naples, FL; 2018.
3. Arthrex, Inc. LA1-00099-EN_A. Naples, FL; 2018.
4. Arthrex, Inc. LA1-0199-EN_F. Naples, FL; 2020.



This description of technique is provided as an educational tool and clinical aid to assist properly licensed medical professionals in the usage of specific Arthrex products. As part of this professional usage, the medical professional must use their professional judgment in making any final determinations in product usage and technique. In doing so, the medical professional should rely on their own training and experience, and should conduct a thorough review of pertinent medical literature and the product's directions for use. Postoperative management is patient-specific and dependent on the treating professional's assessment. Individual results will vary and not all patients will experience the same postoperative activity level and/or outcomes.

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