

Minimally Invasive Surgery (MIS) for the Foot



Arthrex® 

Helping Surgeons Treat Their Patients Better™

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 1,000 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. Our experienced team of dedicated professionals represents a shared passion and commitment to delivering uncompromising quality to the health care 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.

Minimally Invasive Surgery (MIS) for the Foot

Introduction

The Arthrex MIS product portfolio provides surgeons with all the tools necessary to perform minimally invasive or percutaneous surgery of the foot. The MIS portfolio centers around the DrillSaw Highspeed 200 power unit, which provides the ideal performance parameters for MIS surgery. In addition, the portfolio includes an array of disposable burrs designed specifically for the various osteotomies performed during MIS procedures. Furthermore, Arthrex offers surgeons a small reusable instrument set complete with a reusable blade handle and other reusable rasps and elevators.

The latest addition to the MIS product portfolio is the minimally invasive bunionectomy system and the Beveled FT screws. The trajectory system helps to achieve correction and screw placement using a percutaneous approach. The Beveled FT screws are angled to provide zero-profile fixation. Finally, in instances where compression is needed, Arthrex offers a comprehensive line of cannulated, headless, fully threaded Compression FT screws that allow for stable fixation of any osteotomy.



DrillSaw Power™

This ergonomic, low-speed, and high-torque pencil-grip driver allows for safe and effective creation of osteotomies during minimally invasive or percutaneous procedures.



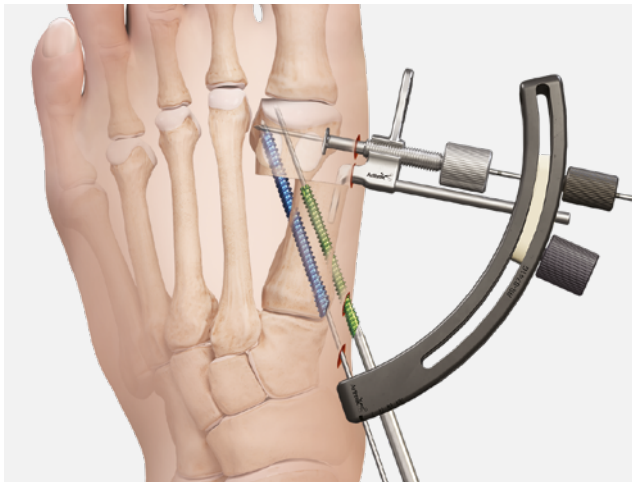
Percutaneous Burrs

The wide selection of single-use burrs is designed for various procedures including cheilectomies, exostectomies, and osteotomies.



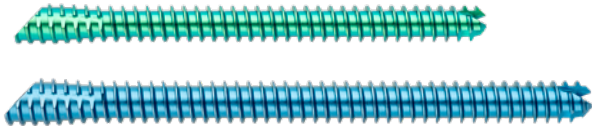
Minimally Invasive Instrument Set

This small yet functional reusable set cuts down on cost, offering an array of the more commonly used instruments during minimally invasive or percutaneous procedures.



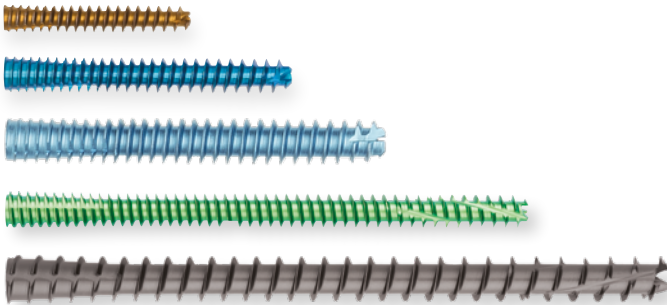
MIS Bunionectomy

The minimally invasive bunionectomy system includes various instrumentation that simplifies bunion corrections. The trajectory system helps to achieve correction and precise guide wire positioning using a percutaneous approach.



Beveled FT Screws

The Beveled FT screws are specifically designed for minimally invasive bunion correction and offer zero-profile fixation, increased cannulation, and a constant thread pitch. Available diameters include 3.5 and 4 mm.



Fully Threaded Compression Screws

With available diameters ranging from 2.5 - 7 mm and lengths from 8 - 140 mm, the Compression FT screws offer surgeons a variety of options for osteotomy fixation.

DrillSaw Power™

The AR-200 foot pedal allows for operation of both the handpiece and irrigation function. The 6 separate program options allow surgeons to switch seamlessly between their desired rpm and torque settings specific to each procedure being performed

Easily adjust speed and torque settings intraoperatively

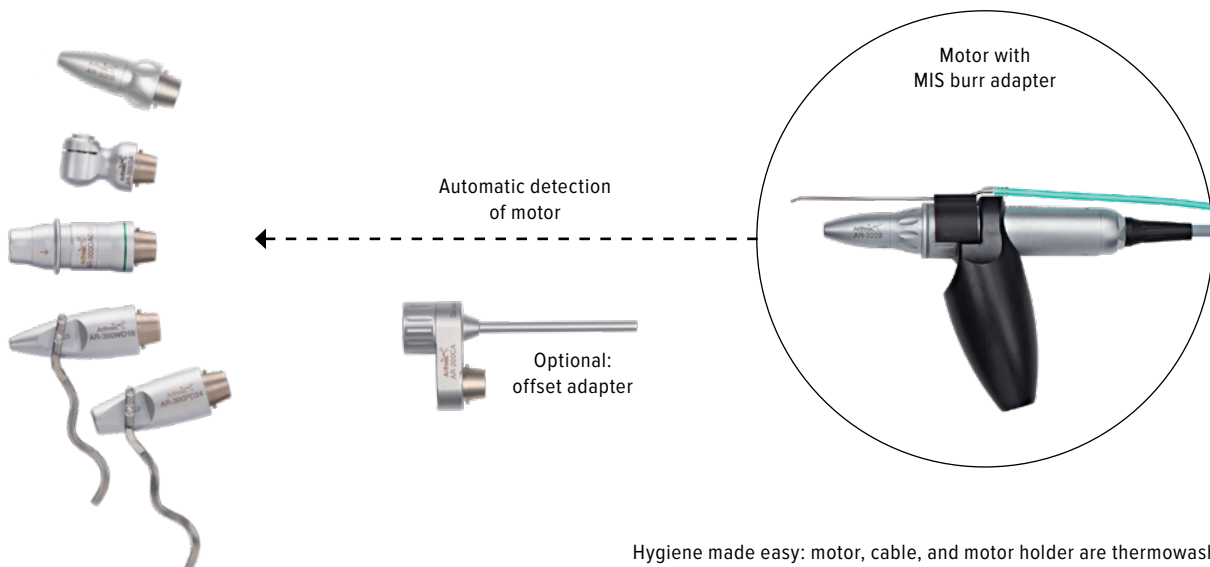
All program settings are saved automatically

Motor (AR-200M) can be used with all DrillSaw Mini 300 attachments, eliminating the need for multiple power units for the same procedure

Motor (AR-200M) is the lightest and shortest of its class



DrillSaw Highspeed 200™ Attachment Options



Hygiene made easy: motor, cable, and motor holder are thermowasher disinfectable and sterilizable up to 135 °C

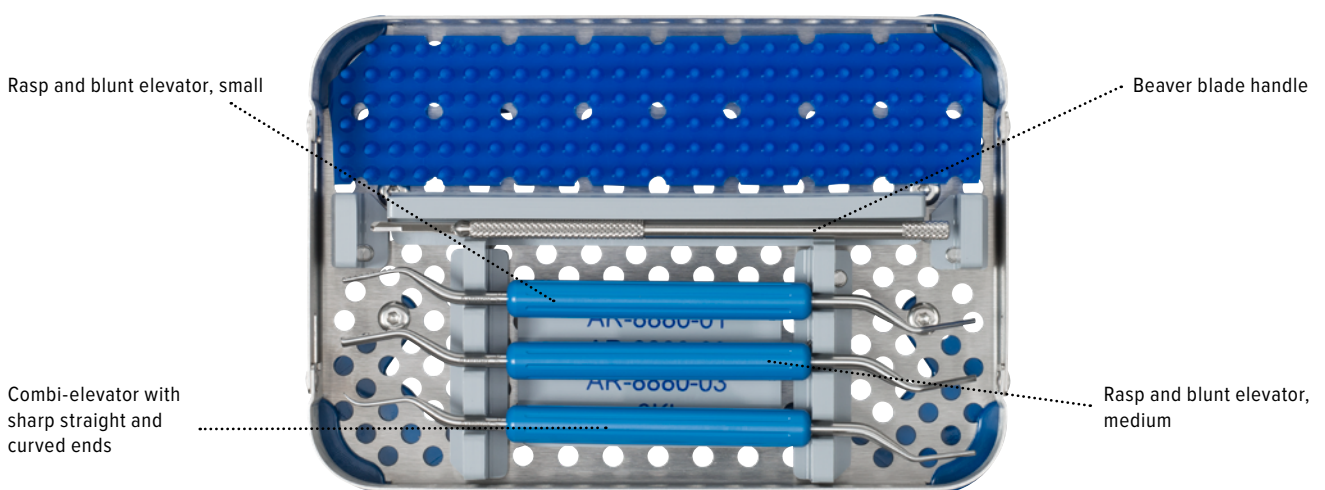
Percutaneous Burrs and Instruments



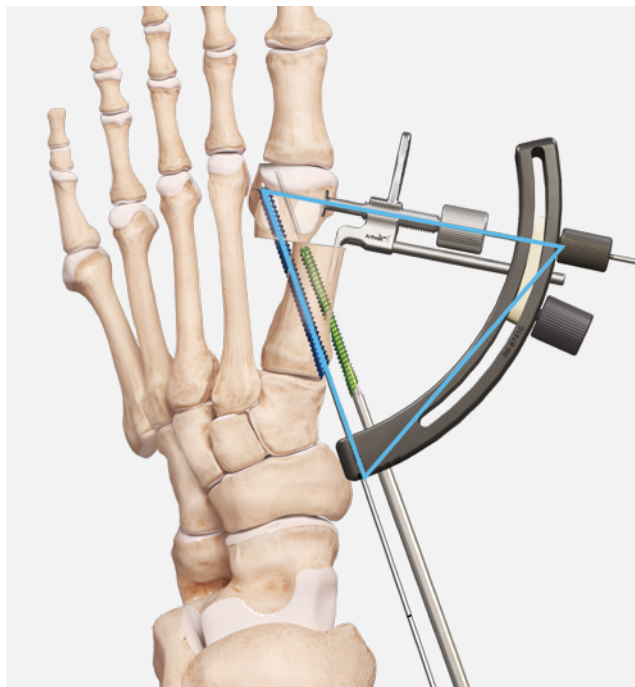
Arthrex provides a wide selection of burrs for minimally invasive surgical techniques. These single-use burrs can be used for the following osteotomies:

- Chevron osteotomy
- Exostosis removal
- 1st MTP cheilectomy
- Akin osteotomy
- Distal metatarsal osteotomy
- Calcaneal osteotomy

Arthrex also provides a small and convenient set with reusable instruments that are commonly used during minimally invasive techniques.

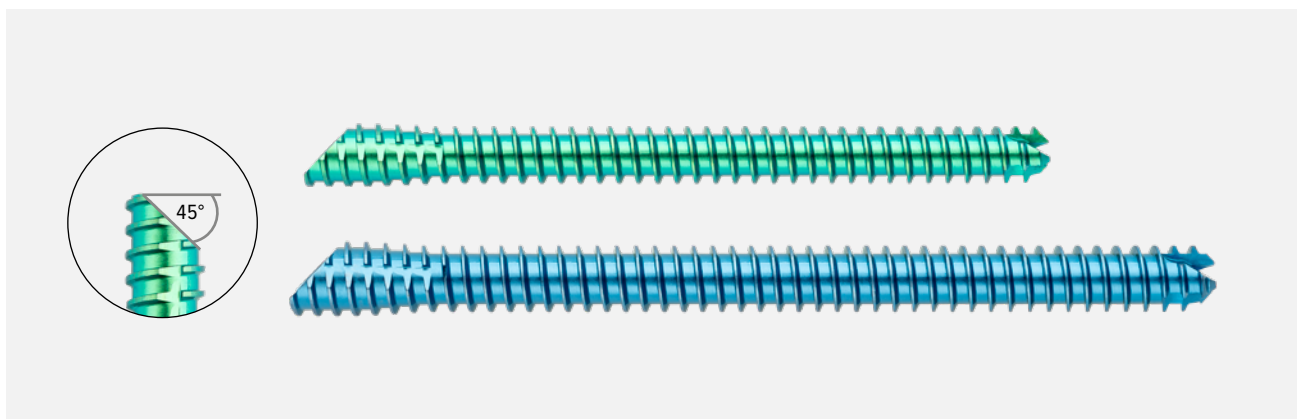


MIS Bunionectomy



The minimally invasive bunionectomy system is designed to be an all-inclusive set to facilitate MIS bunion correction cases. The trajectory system addresses the main challenge of MIS correction by facilitating precise guide wire placement. A center piece of the system is the shifting device, which simplifies lateral shifting of the capital fragment and maintaining the translation.

Beveled FT Screws



The bunionectomy system is rounded off by the Beveled FT screws, which are angled to provide zero-profile fixation and offer an increased cannulation, allowing for the use of more robust guide wires.

Ordering Information

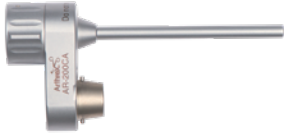



DrillSaw Highspeed 200™ Set



Product Description	Item Number
DrillSaw Highspeed 200™ set	AR-200
Contents	
DrillSaw Highspeed 200™ set console	AR-200C
Motor, with cable 0 - 15 000 rpm	AR-200M
Spray clip	AR-200SP
Footswitch	OEM06202400
Stand	OEM04005900
Motor support	OEM06177800



Accessories for DrillSaw Highspeed 200™ Set

	Description	Item Number	RPM
	MIS burr adapter, Ø 2.35 mm	AR-300B	15 000
Optional			
	Sagittal saw adapter	AR-300SAG	15 000
	Wire driver attachment, 1.2 - 2.4 mm	AR-300PD24	1 300
	Wire driver attachment, 0.6 - 1.6 mm	AR-300WD16	2 750
	Drill adapter, AO	AR-300DAO-2	1 300
	Reciprocating saw adapter	AR-300SR	15 000

	Description	Item Number	RPM
	Offset adapter	AR-200CA	15 000
	Elongation handle	AR-200H	-
	Irrigation tubing set, qty. 6	OEM04364100	-
	Spray clip	AR-200SP	-



Osteotomies for Lesser Toe Deformity Correction

- Hammertoe correction
- DMMO

	Product Description	Indication	Item Number
	Burr, straight, Ø 2 mm, 8 mm, sterile Shannon Corta	Hammertoe correction	AR-300-B002
	Burr, straight, Ø 2.2 mm, 12 mm, sterile Shannon Larga	DMMO (distal metatarsal metaphyseal osteotomy)	AR-300-B003



Osteotomies for Hallux Valgus Correction

- Chevron osteotomy of the 1st metatarsal
- Akin osteotomy

	Product Description	Indication	Item Number
	Burr, straight, Ø 2 mm, 13 mm, sterile Shannon Recta	Chevron osteotomy (metatarsal or Akin osteotomy)	AR-300-B001
	Burr, straight, Ø 2 mm, 19.5 mm, sterile Shannon Recta, long	Chevron osteotomy (metatarsal or calcaneal osteotomy)	AR-300-B201

Bone Resection for Hallux Valgus / Hallux Rigidus Correction

- Exostosis removal
- MTP-1 cheilectomy
- MTP-1 arthrodesis

	Product Description	Indication	Item Number
	Burr, conical, Ø 4.3 mm, 13 mm, sterile Wedge, 4 mm	Exostosis removal or bone resection	AR-300-B101
	Burr, straight, Ø 2.9 mm, 13 mm, sterile Wedge, 3 mm	Exostosis removal or bone resection	AR-300-B102

Chevron Osteotomy for Calcaneal Displacement

	Product Description	Indication	Item Number
	Burr, straight, Ø 3.1 mm, 20 mm, sterile Shannon, large	Chevron osteotomy (calcaneal osteotomy)	AR-300-B202

Instruments for Minimally Invasive Surgery (MIS)



Product Description	Item Number
MIS instrument set	AR-8880S
Contents	
Rasp and blunt elevator, small	AR-8880-01
Rasp and blunt elevator, medium	AR-8880-02
Combi-elevator, straight and curved ends, sharp	AR-8880-03
MIS instrument case	AR-8880C
Scalpel handle, 13 cm	3KL
Mini scalpel blade, sterile, qty. 10	64/ST

MIS Bunionectomy System and Beveled Screws

Minimally Invasive Bunion Correction System (AR-8741S)

Product Description	Item Number
Instruments	
Minimally invasive bunion trajectory guide	AR-8741G
Guide wire positioning knob, qty. 2	AR-8741G-01
Screw positioning knob, qty. 2	AR-8741G-02
Capital fragment shifter, small, qty. 2	AR-8741LS-01
Capital fragment shifter, large	AR-8741LS-02
Intramedullary hook, qty. 2	AR-8741LS-03
Drill sleeve for Beveled FT	AR-8741-29
Depth device for Beveled FT	AR-8741-28
Profile drill for 3.5 mm Beveled FT	AR-8741-36
Profile drill for 4 mm Beveled FT	AR-8741-37
Driver T10 hexalobe, for Beveled FT	AR-8741-40
Driver T15 hexalobe, for Beveled FT	AR-8741-42
Drill bit, cannulated, 2.9 mm	AR-8741-25-RU
Drill bit, cannulated, 3.6 mm	AR-8741-32-RU
Handle, ratcheting, AO	AR-8700RH
Depth device, for 2.5 mm Compression FT	AR-8737-51
Driver shaft, cannulated, 1.5 mm hex	AR-8737-37
Profile drill for 2.5 mm Compression FT	AR-8737-46
Drill, cannulated, 2 mm	AR-8737-34-RU
Drill, for hard bone, cannulated, 2.2 mm	AR-8737-58-RU
Rasp and blunt elevator, small	AR-8880-01
Rasp and blunt elevator, medium	AR-8880-02
Combi-elevator, straight and curved ends, sharp	AR-8880-03
Sayre elevator	AR-8954-05
Scalpel handle, 13 cm	3KL
Minimally invasive bunion correction system	AR-8741C
Minimally invasive bunion screw caddy	AR-8741C-01

Implants	
Beveled FT screw, 3.5 mm × 20 - 60 mm, 2 mm increments*	AR-8735BV-20 to -60
Beveled FT screw, 4 mm × 20 - 60 mm, 2 mm increments*	AR-8740BV-20 to -60
Micro Compression FT™ screw, 2.5 mm × 14 - 50 mm, 2 mm increments*	AR-8725-14H to -50H
Disposables	
Guide wire, 0.86 mm*	AR-8737-39
Guide wire, capital fragment, 1.6 mm*	AR-8741-16
Guide wire, 1.4 mm for Beveled FT*	AR-8741-14
Guide wire, 1.6 mm for Beveled FT*	AR-8741-15

*All items are also available in sterile. Item numbers end with an additional "S".

Short Instrumentation (Without MIS Guide)

Product Description	Item Number
Drill bit, cannulated, 2.9 mm, short	AR-8741-25S-RU
Drill bit, cannulated, 3.6 mm, short	AR-8741-32S-RU
Profile drill, short for 3.5 mm Beveled FT	AR-8741-36S
Profile drill, short for 4 mm Beveled FT	AR-8741-37S
Driver T10 hexalobe, short, for Beveled FT	AR-8741-40S
Driver T15 hexalobe, short, for Beveled FT	AR-8741-42S
Depth device, cannulated	AR-8944DG
Guide wire, with trocar tip, 1.35 mm*	AR-8737-01
Guide wire, with trocar tip, 1.6 mm*	AR-8941K

*All items are also available in sterile. Item numbers end with an additional "S".

Compression FT Screw System for Akin Osteotomy

Micro Compression FT™ Screw Set

Product Description	Item Number
Common Instruments	
Depth device	AR-8737-36
Obturator, for drill guide	AR-8737-44
Percutaneous drill guide	AR-8737-43
Screwdriver handle, ratcheting	AR-8950RH
Guide wire plunger	AR-8737-56
Screw holding forceps	AR-8941F
Percutaneous pin clamp	AR-8737-57
Screw and instrument case	AR-8738C
2.5 mm Micro Compression FT™ Screws	
Drill, cannulated, 2 mm	AR-8737-34-RU
Driver, cannulated, 1.5 mm hex	AR-8737-37
Driver shaft, solid, 1.5 mm hex	AR-8737-45
Profile drill, micro	AR-8737-46
Parallel drill guide	AR-8737-48

Implants

Product Description	Item Number
2.5 mm Micro Compression FT™ Screws	
8 - 14 mm, 1 mm increments*	AR-8725-08H to -14H
16 - 50 mm, 2 mm increments*	AR-8725-16H to -50H

*All items are also available in sterile. Item numbers end with an additional "S".

Compression FT Screw System Set (AR-8750S)

Large / Extra Large Compression FT Screw System Set

Product Description	Item Number
Common Instruments	
5 mm / 7 mm Compression FT instrument case	AR-8750C
Depth device	AR-8750-01
Percutaneous drill guide	AR-8750-02
Guide wire plunger	AR-8737-56
Screw holding forceps	AR-8941F
Sharp hook	AR-8943-21
Instruments for 5 mm Large Compression FT Screws	
Driver, cannulated, T15 hexalobe	AR-8750-03
Driver, solid, T15 hexalobe	AR-8750-06
Guide wire sleeve, 1.6 mm	AR-8750-07
Soft-tissue protector, 1.6 mm	AR-8750-08
Drill sleeve, 5 mm, large	AR-8750-12
Screwdriver handle, ratcheting, AO connection	AR-8970RH
Instruments for 7 mm Extra Large Compression FT Screws	
Driver, cannulated, T25 hexalobe	AR-8770-01
Driver, solid, T25 hexalobe	AR-8770-04
Guide wire sleeve, 2.4 mm	AR-8770-05
Soft-tissue protector, 2.4 mm	AR-8770-06
Drill sleeve, 7 mm, XL	AR-8770-09
Screwdriver handle, ratcheting, trilobe axial	AR-8770RH
Screwdriver handle, ratcheting, trilobe T-style	AR-8770TH

Implants

Product Description	Item Number
5 mm Large Compression FT Screws	
20 - 50 mm, 2 mm increments*	AR-8750-20H to -50H
55 - 90 mm, 5 mm increments*	AR-8750-55H to -90H
7 mm Extra Large Compression FT Screws	
35 - 120 mm, 5 mm increments*	AR-8770-35H to -120H
125 - 140 mm, 5 mm increments*	AR-8770-125HS to -140HS

*All items are also available in sterile. Item numbers end with an additional "S".



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.

View U.S. patent information at www.arthrex.com/corporate/virtual-patent-marking

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