

Arthrex Power Systems

AR-200 DrillSaw Highspeed Brochure



Arthrex® 

Arthrex AR-200 Power System



The Arthrex AR-200 power system is a corded power unit that includes a handpiece, foot pedal, and integrated fluid irrigation pump.

This system is extremely versatile and can be used with a burr attachment to perform percutaneous or minimally invasive procedures. In addition, the system is compatible with all AR-300 attachments, making it a fully functioning corded power unit capable of meeting the needs for a variety of orthopedic procedures.

Key Features

- Modular motor for drilling, reaming, and sawing
- AR-200M can be used with all DrillSaw Mini 300™ attachments
- Automatic detection of motor handpiece AR-200M
- Perfect system for percutaneous surgery
- Motor with cable is sterilizable (135°C)
- Integrated fluid pump

Attachments

All AR-300 attachments can be used

- Quick-connect drill and ream attachments for all major fittings

Small AO, shaft 2.35 mm, mini AO

- Keyed, keyless, and hybrid chucks

Accepts up to ¼ inches in diameter

- Sagittal saw attachment

Easy-to-index saw head in 45° increments

- Pin driver

Accommodates wire and pin sizes 0.6 mm to 2.4 mm without adjustment

- High-speed burr attachment

- Tightest tolerances allow for precise cuts

Product Description	Item Number
Saw Attachment, sagittal	AR-300SAG
Saw Attachment, reciprocating	AR-300SR
Burr Attachment, 2.35 mm	AR-300B
Drill Attachment, 2.35 mm	AR-300B-2
Drill Attachment, style AO	AR-300DAO-2
Drill Jacobs Chuck Hybrid, 0 mm-5 mm	AR-300DJH
Drill Jacobs Chuck, 0 mm-4 mm	AR-300DJ
Drill Keyless Chuck, 0 mm-4 mm	AR-300DK30
Drill Keyless Chuck, 2 mm-4.5 mm	AR-300DK45
Reamer Attachment, style AO	AR-300RAO
Reamer Jacobs Chuck, 0 mm-4 mm	AR-300RJ
Wire Driver Attachment, 0.6 mm-1.6 mm	AR-300WD16
Pin Driver Attachment, 1 mm-2.4 mm	AR-300PD24

Attachment Data

- Saw speed: 15,000 cpm
- Drill speed: 2750 rpm/1300 rpm
- Ream speed: 500 rpm

Applications

- Percutaneous surgery
- Sport and trauma surgery
- Foot and ankle surgery
- Small bone surgery

Technical Data

Console AR-200C

Console (AR-200C) Specifications	
Width	256 mm
Height	109 mm
Depth	305 mm
Weight	7 kg
Maximum Flow Rate	≥ 90 mL/min
Power Supply	110-130 V/220-240 V, 50/60 Hz, 0.1-1.8A/0.1-0.9A
Main Fuse	2 × 250 V – T1.6AH
Cleaning	Refer to User's Guide section 6.0 Cleaning and Disinfecting
Sterilization	No
Pollution Level	2
Overvoltage Category	II
Altitude	Up to 3000 m above sea level
Ambient Conditions for Operation	
Temperature	10°C to 40°C
Relative Humidity	15% to 80% (relative), noncondensing
Ambient Conditions for Storage (in shipping packaging)	
Temperature	-40°C to +70°C
Relative Humidity	8% to 80% (relative), noncondensing
Atmospheric Pressure	860-1060 hPa

Foot Control Unit

Foot Control Unit (S-N1) Specifications	
Width	207 mm
Height	45 mm
Depth	198 mm
Weight	1.15 kg
Cable Length	3.5 m
Cleaning	Surface cleaning with mild detergent
Sterilization	No
Protection	IPX8, 1 m depth of immersion, 1 hour (watertight in accordance with IEC 60529)

Motor AR-200M

Motor AR-200M Specifications	
Diameter	26.3 mm
Length	96 mm
Weight	0.42 kg
Speed	300-15,000 rpm
Torque	7 Ncm
Cable Length	3.5 m
Mode of Operation	Noncontinuous
Applied Part Type	Type BF
Duty Cycle	30 sec ON, 60 sec OFF



Ordering Information

DrillSaw Highspeed 200™ Set (AR-200)

Product Description	Item Number
Instruments	
DrillSaw Highspeed 200 Set Console	AR-200C
Motor With Cable, 0-15,000 rpm	AR-200M
Irrigation Clip	AR-200SP
Foot Pedal	OEM06202400
IV Stand	OEM04005900
Motor Support	OEM06177800

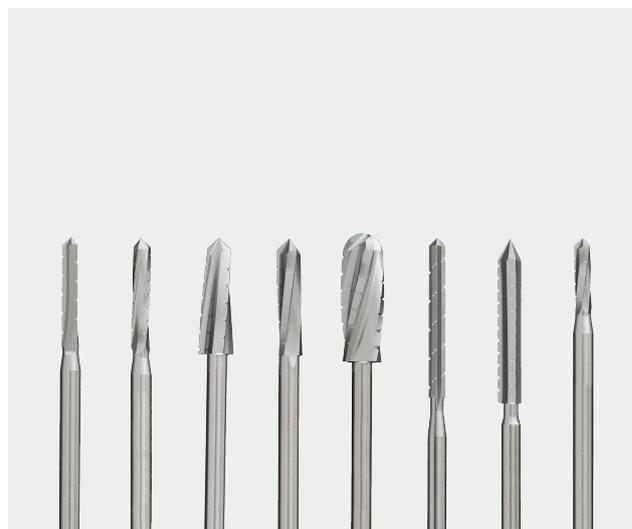


MIS Instrument Set (AR-8880S)

Product Description	Item Number
Scalpel Handle	3KL
Rasp and Blunt Elevator, small	AR-8880-01
Rasp and Blunt Elevator, medium	AR-8880-02
Combination Elevator, straight and curved ends, sharp	AR-8880-03
MIS Instrument Case	AR-8880C

Burr Attachment

Product Description	Item Number
MIS Burr Adapter, 2.35 mm	AR-300B



Disposables, sterile

Product Description	Item Number
Osteotomies for Lesser Toe Deformity Correction	
Burr, straight, sterile, 8 mm × 2 mm	AR-300-B002
Burr, straight, sterile, 12 mm × 2.2 mm	AR-300-B003
Osteotomies for Hallux Valgus Correction	
Burr, straight, sterile, 13 mm × 2 mm	AR-300-B001
Burr, straight, sterile, 19.5 mm × 2 mm	AR-300-B201
Bone Resection for Hallux Valgus/Hallux Rigidus Correction	
Burr, conical, sterile, 13 mm × 4.3 mm	AR-300-B101
Burr, straight, sterile, 13 mm × 2.9 mm	AR-300-B102
Burr, oval, sterile, 15 mm × 5 mm	AR-300-B103
Chevron Osteotomy for Calcaneal Displacement	
Burr, straight, sterile, 20 mm × 3.1 mm	AR-300-B202

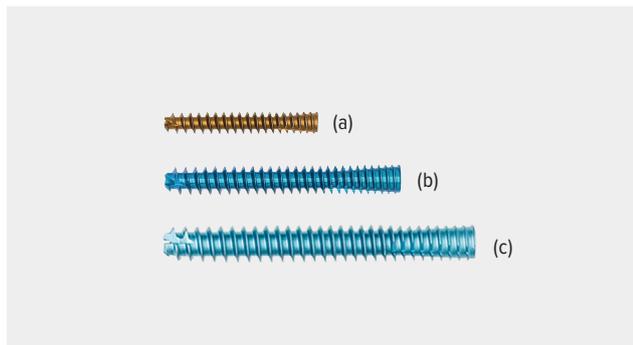
Accessories

Product Description	Item Number
Irrigation Tubing Set, qty. 6	OEM04364100
Spray Clip	AR-200SP
Mini Scalpel Blades, sterile, qty. 10	64/ST

Optional

Product Description	Item Number
Sayre Elevator	AR-8954-05

Compression FT Screw System (2.5 Micro, 3.5 Mini, and 4.0 Standard)



Compression FT Screw System (AR-8738S)

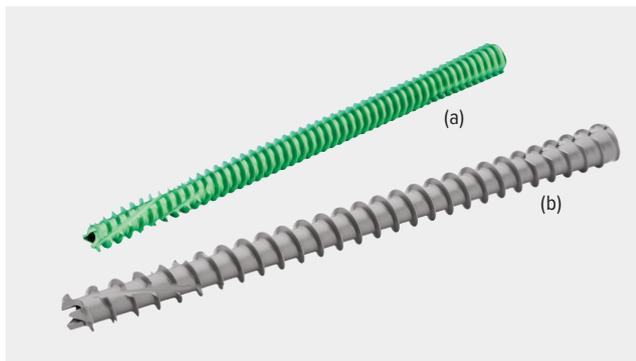
Product Description	Item Number
Instruments	
Depth Device	AR-8737-51
Obturator for Drill Guide	AR-8737-44
Percutaneous Drill Guide	AR-8737-43
Screwdriver Handle, ratcheting	AR-8950RH
Guidewire Plunger	AR-8737-56
Screw Holding Forceps	AR-8941F
Percutaneous Pin Clamp	AR-8737-57
Compression FT Screw System Instrument Case	AR-8738C
2.5 Micro Compression FT™ Screw Instruments	
Driver, cannulated, 1.5 mm hex	AR-8737-37
Driver, solid, 1.5 mm hex	AR-8737-45
Profile Drill, Micro	AR-8737-46
Parallel Drill Guide	AR-8737-48
Screw Extractor/Trephine	AR-8737-59
3.5 Mini Compression FT™ Screw Instruments	
Driver, T10 hexalobe, cannulated	AR-8737-38
Driver, T10 hexalobe, solid	AR-8950SD-10
Profile Drill, Mini	AR-8737-47
Parallel Drill Guide	AR-8737-49
Screw Extractor/Trephine	AR-8737-59
4.0 Standard Compression FT Screw Instruments	
Driver, T10 hexalobe, cannulated	AR-8737-38
Driver, T10 hexalobe, solid	AR-8950SD-10
Profile Drill, standard	AR-8737-54
Parallel Drill Guide	AR-8737-55
Screw Extractor/Trephine	AR-8737-60
Implants	
2.5 Micro Compression FT Screws* (a) 8 mm-14 mm (1 mm increments) 16 mm-50 mm (2 mm increments)	AR-8725-08H – 14H AR-8725-16H – 50H
3.5 Mini Compression FT Screws* (b) 12 mm-60 mm (2 mm increments)	AR-8730-12H – 60H
4.0 Standard Compression FT Screws (c) 16 mm-60 mm (2 mm increments)	AR-8740-16H – 60H

*2.5 Micro and 3.5 Mini Compression FT screws and instrumentation are also available in the QuickFix™ Cannulated Screw Set (AR-8737S).

Disposables (not included in set)

Product Description	Item Number
2.5 Micro Compression FT Screws	
Drill Bit, straight, cannulated, 2 mm	AR-8737-34
Drill Bit, straight, cannulated, 2.2 mm (hard bone option)	AR-8737-58
Guidewire w/ Trocar Tip, 0.034 in (0.86 mm), laser-marked	AR-8737-39
Guidewire w/ Double Trocar Tip, 0.034 in (0.86 mm), laser-marked	AR-8737-39KD
Guidewire w/ Trocar Tip, threaded, 0.034 in (0.86 mm), laser-marked	AR-8737-40
3.5 Mini Compression FT Screws	
Drill Bit, straight, cannulated, 2.7 mm	AR-8737-35
Guidewire w/ Trocar Tip, 0.045 in (1.1 mm), laser-marked	AR-8737-41
Guidewire w/ Double Trocar Tip 0.045 in (1.1 mm), laser-marked	AR-8737-41KD
Guidewire w/ Trocar Tip, threaded, 0.045 in (1.1 mm), laser-marked	AR-8737-42
4.0 Standard Compression FT Screws	
Drill Bit, straight, cannulated, 3.2 mm	AR-8737-50
Guidewire w/ Trocar Tip, 0.045 in (1.1 mm), laser-marked	AR-8737-41
Guidewire w/ Double Trocar Tip 0.045 in (1.1 mm), laser-marked	AR-8737-41KD
Guidewire w/ Trocar Tip, threaded, 0.045 in (1.1 mm), laser-marked	AR-8737-42

Compression FT Screw System (5.0 mm Large and 7.0 mm X-Large)



Compression FT Screw System (AR-8750S)

Product Description	Item Number
Instruments	
Depth Device	AR-8750-01
Percutaneous Drill Guide	AR-8750-02
Guidewire Plunger	AR-8737-56
Screw Holding Forceps	AR-8941F
Sharp Hook	AR-8943-21
5.0 mm/7.0 mm Compression FT Instrument Case	AR-8750C
Instruments for 5.0 mm Large Compression FT Screws	
Driver, T15 hexalobe, ISO, cannulated	AR-8750-03
Driver, T15 hexalobe, ISO, solid	AR-8750-06
Guidewire Sleeve, 1.6 mm	AR-8750-07
Soft Tissue Protector, 1.6 mm	AR-8750-08
Drill Sleeve, 5.0 mm large	AR-8750-12
Screwdriver Handle, ratcheting, AO, cannulated	AR-8970RH
Trepine/Extractor, 5.0 mm large	AR-8750-11
Instruments for 7.0 mm X-Large Compression FT Screws	
Driver, T25 hexalobe, ISO, cannulated	AR-8770-01
Driver, T25 hexalobe, ISO, solid	AR-8770-04
Guidewire Sleeve, 2.4 mm	AR-8770-05
Soft Tissue Protector, 2.4 mm	AR-8770-06
Drill Sleeve, 7.0 mm X-large	AR-8770-09
Screwdriver Handle, ratcheting, tri-lobe axial handle	AR-8770RH
Screwdriver Handle, ratcheting, tri-lobe T-handle	AR-8770TH
Trepine/Extractor, 7.0 mm X-large	AR-8770-08
Implants	
5.0 mm Large Compression FT Screws (a) 20 mm-50 mm (2 mm increments) 55 mm-90 mm (5 mm increments)	AR-8750-20H – 50H AR-8750-55H – 90H
7.0 mm X-Large Compression FT Screws (b) 35 mm-120 mm (5 mm increments) 125 mm-140 mm (5 mm increments)*	AR-8770-35H – 120H AR-8770-125HS – 140HS

Disposables (not included in set)

Product Description	Item Number
5.0 mm Disposable Instruments	
Guidewire w/ Trocar Tip, 0.062 in (1.6 mm)	AR-8750K
Guidewire w/ Trocar Tip, threaded, 0.062 in (1.6 mm)	AR-8750KT
Profile Drill, 5.0 mm large	AR-8750-05
Drill Bit, straight, cannulated, 3.2 mm	AR-8750-04
Drill Bit, straight, cannulated, long, 3.2 mm	AR-8750-09
Drill, cannulated, 3.7 mm	AR-8750-13
Drill, cannulated, long, 3.7 mm	AR-8750-14
Easy-Out, large compression FT	AR-8750-10
7.0 mm Disposable Instruments	
Guidewire w/ Trocar Tip, 0.094 in (2.4 mm)	AR-8770K
Guidewire w/ Trocar Tip, threaded, 0.094 in (2.4 mm)	AR-8770KT
Profile Drill, 7.0 mm X-large	AR-8770-03
Drill Bit, straight, cannulated, 5 mm	AR-8770-02
Drill, cannulated, 5.2 mm	AR-8770-10
Easy-Out, X-large compression FT	AR-8770-07
Additional Screw Caddies (Optional)	
Compression Screw Caddy, 5.0 mm, large	AR-8750C-SC-01
Compression Screw Caddy, 7.0 mm, X-large	AR-8750C-SC-02

*Available outside of set sterile-packed.



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 or outcomes.

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