

ARTHROSCOPY



www.mgb-berlin.de

**MGB**

CONTENT

■ About ACCESS Arthroscopy	Page 4
■ Design	Page 5
■ Unique Features	Page 6
■ Punches	Page 7-13
■ Scissors	Page 14-15
■ Graspers	Page 16
■ Graspers/Rongeurs	Page 17
■ Probes/Curettes	Page 18
■ Knives/Gouges	Page 19
■ Rasps	Page 20
■ Guide Rod/Cannulas	Page 21
■ Telescopes/Shafts	Page 22-26
■ Shaver Blades	Page 27
■ Shaver System Fortis PDS	Page 28-29
■ Irrigation Pump	Page 30-31

ABOUT ACCESS | Arthroscopy

HISTORY

For the past 30 years *ACCESS Arthroscopy* engineers have been designing and manufacturing handheld instruments for the arthroscopy market. Each of our engineers has exceptional knowledge of what is required in an arthroscopic handheld instrument. From the ergonomic handle to enhance surgeon comfort, to the unique 5.0 mm round punch for contouring the meniscus, *ACCESS Arthroscopy* instruments have benefited from experienced engineers who understand the particular needs of arthroscopic surgeons.

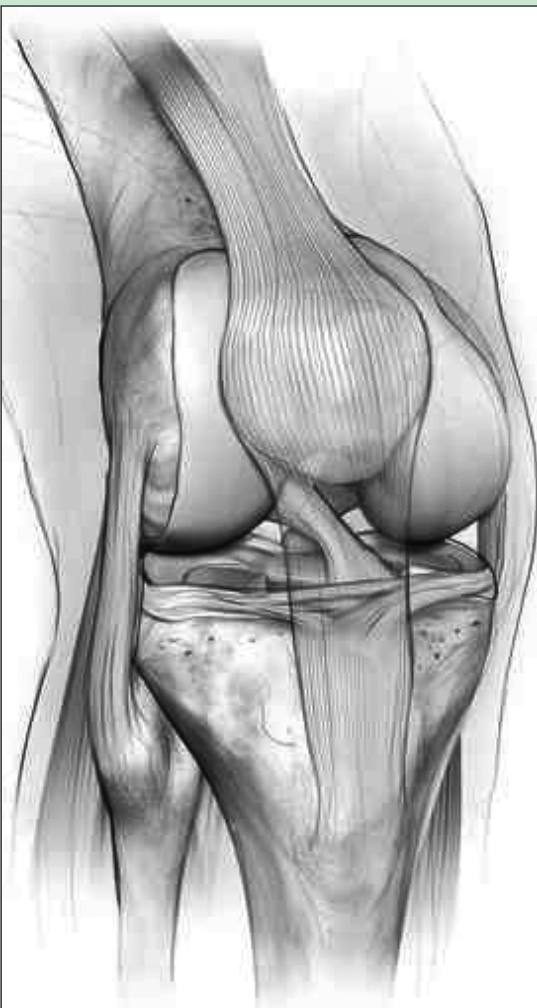
In case of failure in normal use determined to be due to defects in material and craftsmanship, you can return your *ACCESS Arthroscopy* instrument at any time for a repair or exchange.

QUALITY

ACCESS Arthroscopy prides itself on providing surgeons with high quality, premium arthroscopy instruments. That is why *ACCESS Arthroscopy* manufactures all of their instruments from surgical grade 303 & 17-4PH Stainless Steel, to ensure that the surgeon receives a premium, durable instrument every time they use it.

ACCESS Arthroscopy ensures quality through our 100% final inspection process. We assure that all our punches and scissors are ready with a superior cut right out of the box through our inspection criteria. Each punch or scissors must cut a piece of leather 10 times without fraying or ripping the leather prior to being shipped out of our facility.

ACCESS Arthroscopy tests not only the strength and cutting ability of our products, but also the ability to clean and sterilize. *ACCESS Arthroscopy* has cleaning and sterilization validation reports for both the linear and rotary instruments. These independent third party scientific findings explain that if the instructions for use (IFU) are followed step by step then the instruments will be clean and sterilized. (Cleaning and Sterilization Reports are available upon request.)



DESIGN



HANDLE DESIGN

All linear and rotary instruments come with this enhanced handle design ensuring increased comfort and functionality.

Our unique elongated thumb loop and contoured edges allow the instrument to fit comfortably in the surgeon's hand, while still maintaining precise control.



ACTUATION DESIGN

ACCESS Arthroscopy features for all linear instruments a unique pinned actuation design.

A *Single Pin Pivot* design at the distal tip provides connection between the upper moving jaw and the lower stationary jaw.

The actuator configuration is based on a *Lug and Groove Pivot* design which provides connection between the upper moving jaw and the actuator rod.

This patented design platform is very reliable and minimizes the risk of small components being released into the joint.

UNIQUE FEATURES

Feature

Description



Flush-Port

- ACCESS Arthroscopy conveniently located flush-port ensures proper cleaning of the inner lumens



Infinite Active Passive Pressure Lock

- ACCESS Arthroscopy Infinite Active Passive Pressure Lock is conveniently located and available on all arthroscopy graspers
- Allows the surgeon to precisely lock the jaws firmly at any angle
- Only active when surgeon chooses to activate locking mechanism



Probe-/Curette-/Knife-/Gouge-Handle

- ACCESS Arthroscopy ergonomic rounded handle is designed to increase surgeon comfort and functionality
- A contoured handle design allows the instrument to fit comfortably in the surgeon's palm, while maintaining precise control and reducing tender spots on the hand
- Scalloped notches located at both ends of the handle allow the instrument to lay stationary on flat surfaces



Punch, 5.0 mm bite width

- ACCESS Arthroscopy unique 5.0 mm Round Punch enhances the ability to contour and shape the curvature of the meniscus
- Optimal for contouring the medial and lateral areas of the meniscus



Rongeur, 4.0 mm bite width

- ACCESS Arthroscopy 4.0 mm Rongeur incorporates a low profile boxed tip design that promotes increased access and maneuverability of the tip edges for biopsying or trimming of the meniscus

PUNCHES

Product

Order-No.

Description



1010120

Punch (Scissors-Punch)

- Straight tip
- 0.8 mm bite width



1010121

Punch (Scissors-Punch)

- Up 15° tip
- 0.8 mm bite width



1010101

Punch

- Straight tip
- 1.7 mm bite width



1010103

Punch

- Straight tip
- 1.7 mm bite width
- Meniscal lift



1010102

Punch

- Up 15° tip
- 1.7 mm bite width

PUNCHES

Product

Order-No.

Description



1010104

Punch

- Up 15° tip
- 1.7 mm bite width
- Meniscal lift



1010105

Punch

- Up 15° tip
- 1.7 mm bite width
- Curved left 15°



1010106

Punch

- Up 15° tip
- 1.7 mm bite width
- Curved left 15°
- Meniscal lift



1010107

Punch

- Up 15° tip
- 1.7 mm bite width
- Curved right 15°








1010108

Punch

- Straight tip
- 1.7 mm bite width
- Curved right 15°
- Meniscal lift

PUNCHES

Product	Order-No.	Description
	1010109	<p>Punch</p> <ul style="list-style-type: none"> ■ Up 15° tip ■ 1.7 mm bite width ■ Curved up 15°
	1010110	<p>Punch</p> <ul style="list-style-type: none"> ■ Up 15° tip ■ 1.7 mm bite width ■ Curved up 15° ■ Meniscal lift
	1010111	<p>Punch</p> <ul style="list-style-type: none"> ■ Straight tip ■ 1.7 mm bite width ■ Blunt nose
	1010112	<p>Punch</p> <ul style="list-style-type: none"> ■ Up 15° tip ■ 1.7 mm bite width ■ Blunt nose
	1010134	<p>Punch</p> <ul style="list-style-type: none"> ■ Straight tip ■ 1.7 mm bite width ■ Short nose

PUNCHES

Product

Order-No.

Description



1010135

Punch

- Up 15° tip
- 1.7 mm bite width
- Short nose



1010122

Punch

- Retro
- 2.4 mm bite width
- Left



1010123

Punch

- Retro
- 2.4 mm bite width
- Right



1010137

Punch

- Straight tip
- 2.6 mm bite width



1010138

Punch

- Up 15° tip
- 2.6 mm bite width

PUNCHES

Product

Order-No.

Description



1010113

Punch

- Straight tip
- 3.6 mm bite width



1010114

Punch

- Straight tip
- 3.6 mm bite width
- Meniscal lift



1010115

Punch

- Up 15° tip
- 3.6 mm bite width



1010116

Punch

- Up 15° tip
- 3.6 mm bite width
- Meniscal lift



1010117

Punch

- Up 15° tip
- 3.6 mm bite width
- Curved left 15°

PUNCHES

Product

Order-No.

Description



1010118

Punch

- Up 15° tip
- 3.6 mm bite width
- Curved left 15°
- Meniscal lift



1010119

Punch

- Up 15° tip
- 3.6 mm bite width
- Curved right 15°



1010130

Punch

- Up 15° tip
- 3.6 mm bite width
- Curved right 15°
- Meniscal lift



1010131

Punch

- Up 15° tip
- 3.6 mm bite width
- Curved up 15°



1010132

Punch

- Up 15° tip
- 3.6 mm bite width
- Curved up 15°
- Meniscal lift

PUNCHES

Product

Order-No.

Description



1010133

Punch

- Straight tip
- 5.0 mm bite width
- Round



1010136

Punch

- Up 15° tip
- 5.0 mm bite width
- Round



1010124

Punch

- 90° tip
- 3.2 mm bite width
- Loop
- Left



1010127

Punch

- 90° tip
- 3.2 mm bite width
- Loop
- Right

SCISSORS

20° TIP

Product

Order-No.

Description



1010202

Scissors

- 20° tip
- Hooked left
- Loop



1010204

Scissors

- 20° tip
- Hooked right
- Loop



1010208

Scissors

- 20° tip
- Short serrated left
- Loop



1010209

Scissors

- 20° tip
- Short serrated right
- Loop

SCISSORS

60° TIP

Product

Order-No.

Description



1010210

Scissors

- 60° tip
- Hooked left
- Loop



1010212

Scissors

- 60° tip
- Hooked right
- Loop

GRASPERS

Product

Order-No.

Description



1010306

Grasper

- Straight tip
- 3.4 mm bite width



Cupped

1010301

Grasper

- Straight tip
- 3.4 mm bite width



Alligator

1010303

Grasper

- Straight tip
- 3.4 mm bite width



Alligator large

1010305

Grasper

- Straight tip
- 3.8 mm bite width



Cupped

1010302

Grasper

- Up 15° tip
- 3.4 mm bite width

GRASPERS/RONGEURS

Product

Order-No.

Description



1010304

Graspers

- Up 15° tip
- 3.4 mm bite width



1010401

Rongeur

- Straight tip
- 4.0 mm bite width



1010402

Rongeur

- Up 15° tip
- 4.0 mm bite width

PROBES/CURETTES

Product

Order-No.

Description



1010501

Probe

- 90° tip



1010502

Probe

- 90° tip
- Curved left 30°



1010503

Probe

- 90° tip
- Curved right 30°



1010801

Curette

- Open
- 4.0 mm







1010802

Curette

- Open
- 7.0 mm

KNIVES/GOUGES

Product	Order-No.	Description
	1010601	Knife <input type="checkbox"/> Hook <input checked="" type="checkbox"/> Straight
	1010602	Knife <input checked="" type="checkbox"/> Serrated <input checked="" type="checkbox"/> Straight
	1010603	Knife <input checked="" type="checkbox"/> Menisctome <input checked="" type="checkbox"/> V-shaped <input checked="" type="checkbox"/> Straight
	1010901	Gouge <input checked="" type="checkbox"/> Straight
	1010902	Gouge <input checked="" type="checkbox"/> Compound curve

RASPS

Product

Order-No.

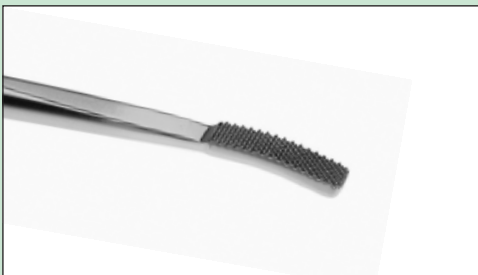
Description



1010701

Rasp

■ Straight



1010702

Rasp

■ Down curve

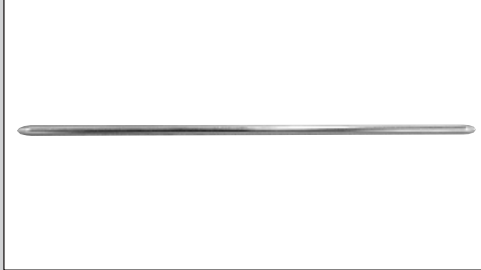

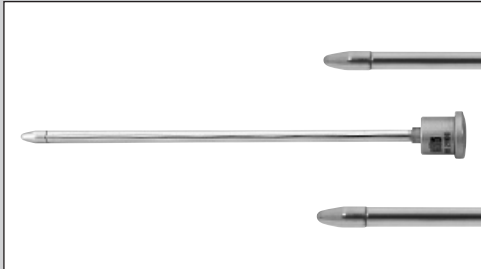



1010703

Rasp

■ Convex

GUIDE ROD/CANNULAS

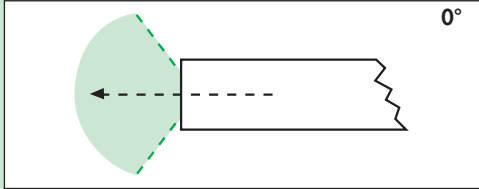
Product	Order-No.	Description
	455-30300	Guide Rod ■ Working length: 230 mm ■ Ø 4.4 mm
	455-21000	Drainage Cannula ■ Ø 3.5 mm ■ With Luer-Lock connection ■ Working length: 70 mm
	455-21200	Trocar for Drainage Cannula ■ Pyramidal sharp ■ For Order-No.: 455-21000
	455-21100	■ Conical blunt ■ For Order-No.: 455-21000

TELESCOPES/SHAFTS

Product

Order-No.

Description

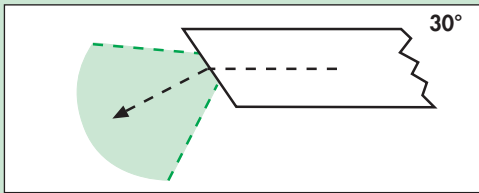


0°

455-18300

ARTHROLUX-Telescope 0°

- Direction of view 0°
- Diameter: 4 mm
- Working length: 175 mm
- Connector for Storz/Wolf/ACMI light guide cables
- Wideangle

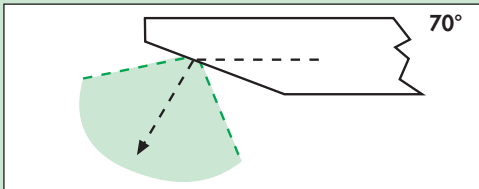


30°

455-19300

ARTHROLUX-Telescope 30°

- Direction of view 30°
- Diameter: 4 mm
- Working length: 175 mm
- Connector for Storz/Wolf/ACMI light guide cables
- Wideangle

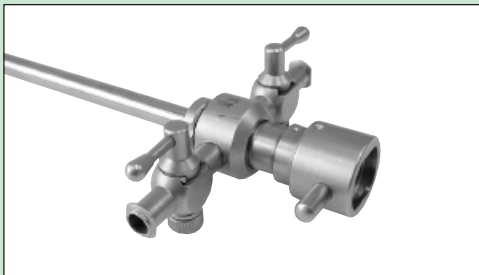


70°

455-20300

ARTHROLUX-Telescope 70°

- Direction of view 70°
- Diameter: 4 mm
- Working length: 175 mm
- Connector for Storz/Wolf/ACMI light guide cables
- Wideangle



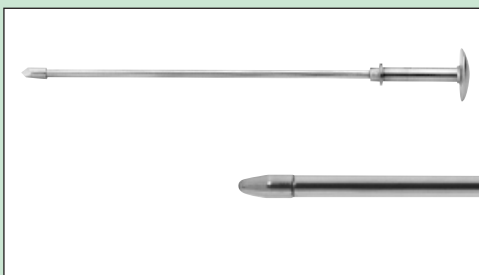
455-35200

Shaft with 2 Rotating Stopcocks

- For 0°- and 30°-telescopes
- Working length: 130 mm
- For all telescopes with working length: 175 mm

455-35100

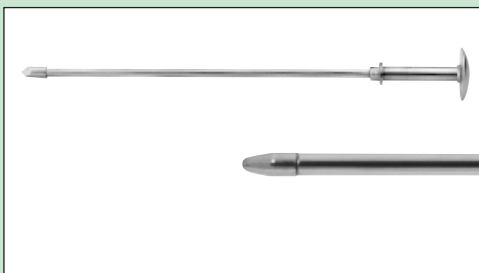
- For 70°-telescope
- Working length: 130 mm
- For all telescopes with working length: 175 mm



455-30200

Trocar

- Pyramidal sharp
- For **Order-Nr.:** 455-35200
455-35100



455-31200

Trocar

- Conical blunt
- For **Order-Nr.:** 455-35200
455-35100

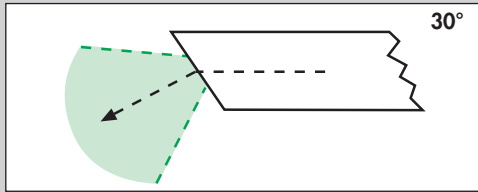
TELESCOPES/SHAFTS

Ø 4 mm/80 mm

Product

Order-No.

Description



455-17300

ARTHROLUX-Telescope 30°

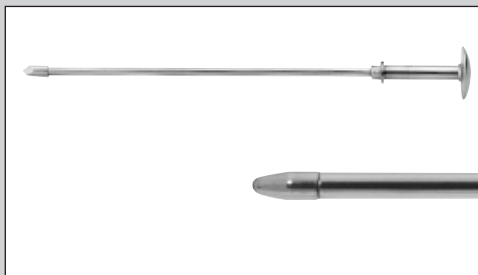
- Direction of view 30°
- Diameter: 4 mm
- Working length: 80 mm
- Connector for Storz/Wolf/ACMI light guide cables
- Wideangle



455-35250

Shaft with 2 Rotating Stopcocks

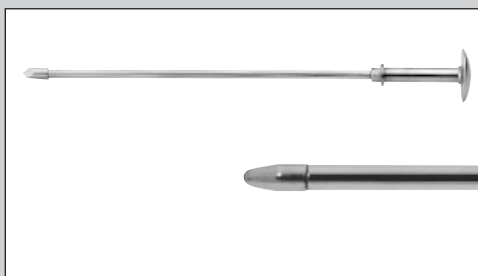
- For 0°- and 30°-telescopes
- Working length: 130 mm



455-30100

Trocar

- Pyramidal sharp
- For **Order-Nr.: 455-35250**



455-31100

Trocar

- Conical blunt
- For **Order-Nr.: 455-35250**

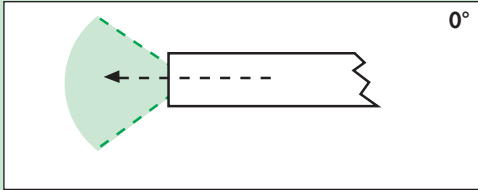
TELESCOPES/SHAFTS

Ø 2.7 mm/180 mm

Product

Order-No.

Description

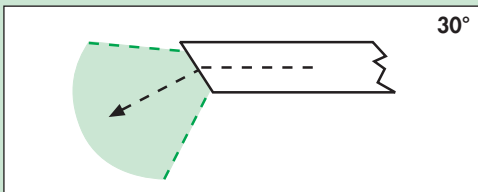


0°

455-28200

ARTHROLUX-Telescope 0°

- Direction of view 0°
- Diameter: 2.7 mm
- Working length: 180 mm
- Connector for Storz/Wolf/ACMI light guide cables

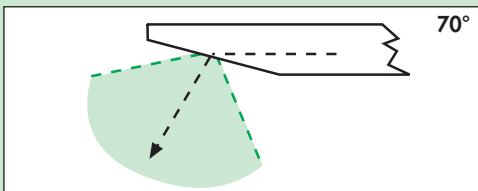


30°

455-29200

ARTHROLUX-Telescope 30°

- Direction of view 30°
- Diameter: 2.7 mm
- Working length: 180 mm
- Connector for Storz/Wolf/ACMI light guide cables

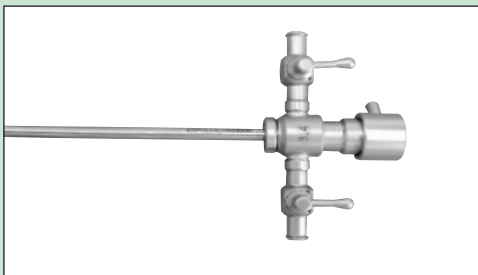


70°

455-25200

ARTHROLUX-Telescope 70°

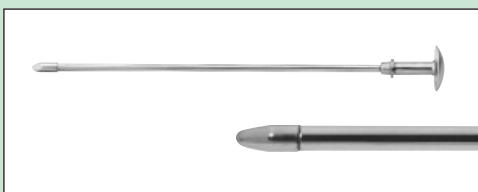
- Direction of view 70°
- Diameter: 2.7 mm
- Working length: 180 mm
- Connector for Storz/Wolf/ACMI light guide cables



455-35270

Shaft with 2 Rotating Stopcocks

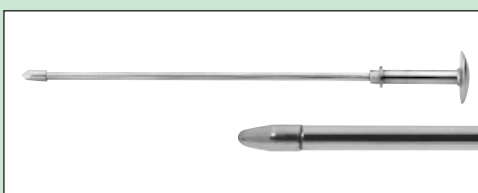
- For 0°- and 30°-telescopes
- Working length: 130 mm
- For all telescopes with working length: 180 mm



455-30270

Trocar

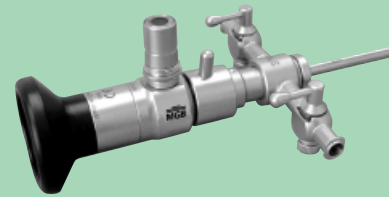
- Pyramidal sharp
- For **Order-Nr.: 455-35270**



455-31270

Trocar

- Conical blunt
- For **Order-Nr.: 455-35270**



TELESCOPES

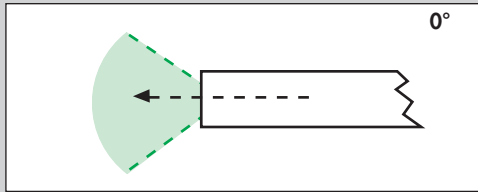
TELESCOPES/SHAFTS

Ø 2.7 mm/100 mm

Product

Order-No.

Description

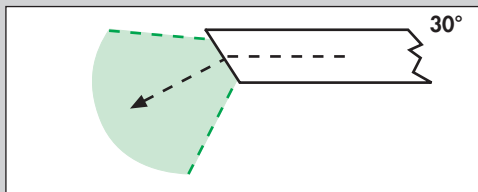


0°

455-26200

ARTHROLUX-Telescope 0°

- Direction of view 0°
- Diameter: 2.7 mm
- Working length: 100 mm
- Connector for Storz/Wolf/ACMI light guide cables

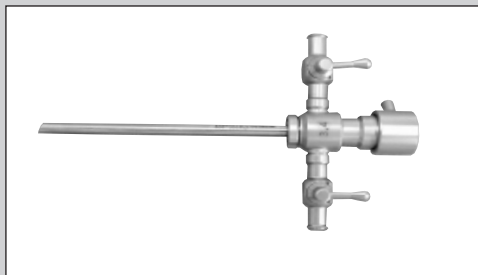


30°

455-27200

ARTHROLUX-Telescope 30°

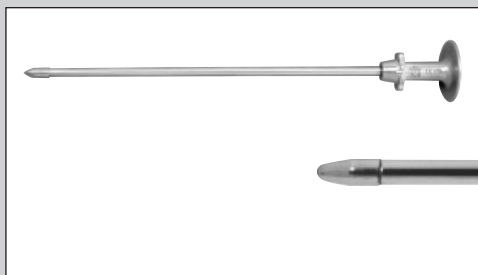
- Direction of view 30°
- Diameter: 2.7 mm
- Working length: 100 mm
- Connector for Storz/Wolf/ACMI light guide cables



455-35370

Shaft with 2 Rotatable Swiveling Stopcocks

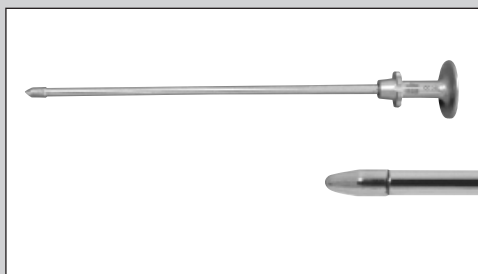
- For 0°- and 30°-telescopes
- Working length: 75 mm
- For all telescopes with working length: 100 mm



455-30370

Trocar

- Conical
- For Order-No.: 455-35370



455-31370

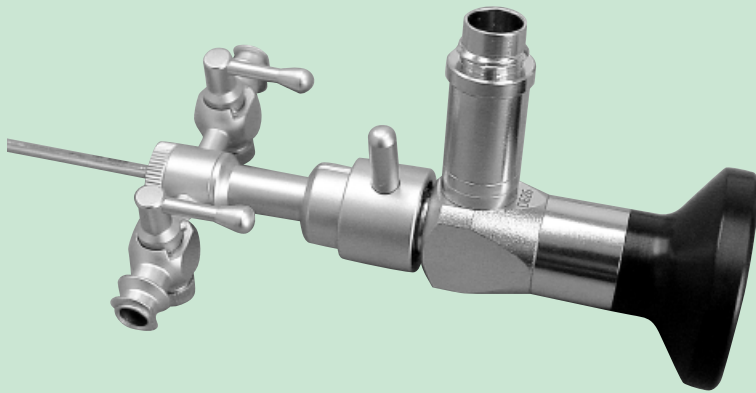
Trocar

- Conical
- For Order-No.: 455-35370



TELESCOPES/SHAFTS

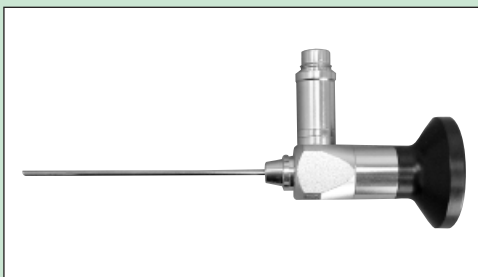
Ø 1.9 mm/68 mm



Product

Order-No.

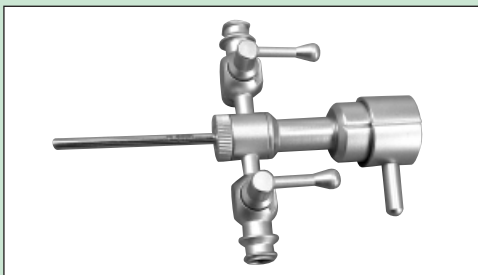
Description



455-12000

Telescope

- 30°
- Working length: 68 mm



455-31190

Shaft

- 2 rotating stopcocks
- Working length: 33 mm
- For all telescopes with working length: 68 mm



455-35190

Trocar

- Blunt
- For Order-No.: 455-31190

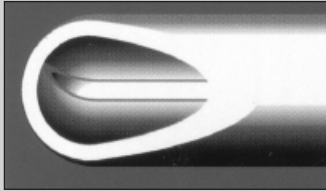
SHAVER

SHAVER BLADES

Product

Order-No.

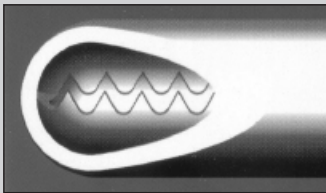
Description



655-80125 (5 pieces)
655-80135 (5 pieces)
655-80142 (5 pieces)
655-80155 (5 pieces)

FR Full Radius Resektor

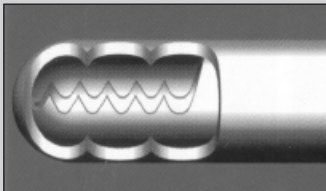
■ Ø 2.5 mm
■ Ø 3.5 mm
■ Ø 4.2 mm
■ Ø 5.5 mm



655-80235 (5 pieces)
655-80242 (5 pieces)
655-80255 (5 pieces)

AFR Aggressive Full Radius

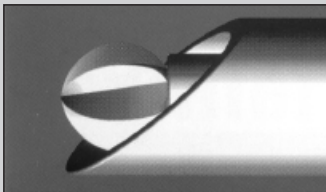
■ Ø 3.5 mm
■ Ø 4.2 mm
■ Ø 5.5 mm



655-80335 (5 pieces)
655-80342 (5 pieces)
655-80355 (5 pieces)

AMC Aggressive Meniscus Cutter

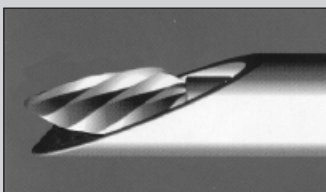
■ Ø 3.5 mm
■ Ø 4.2 mm
■ Ø 5.5 mm



655-80442 (5 pieces)
655-80455 (5 pieces)

RB Round Burr

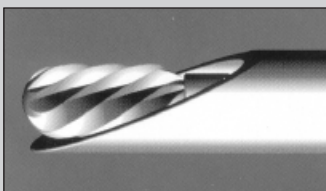
■ Ø 4.2 mm
■ Ø 5.5 mm



655-80555 (5 pieces)

TB Tapered Burr

■ Ø 5.5 mm



655-80655 (5 pieces)

OB Oval Burr

■ Ø 5.5 mm

SHAVER

SHAVER-SYSTEM »FORTIS PDS«

Order-No.: 655-00000



Control Unit

FORTIS PDS is the newly designed high end Auto-Shaver-System with digital processing, clear arranged display and function keys. The maximum speed of max. 6000 rpm and max. 2500 rpm in oscillation mode is available. *FORTIS PDS* has special modes for hard and soft tissue. This guarantees optimized parameters for any kind of application.

Option in Future

This control unit will allow the drive separate powered instrument (Drilling, Sawing device).

Voice Feedback

All settings from the foot-pedal and the power console are confirmed acoustically through a speech module.

Hard and Soft Tissue

MGB patented a new optimized oscillation mode to treat hard or soft tissue. We have proved the usefulness during many procedures.



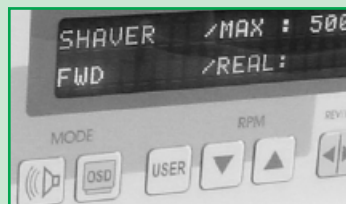
Foot-Pedal

The multifunction foot-pedal has been specially designed for the use with new MGB-Shaver-System *FORTIS PDS*. The foot-pedal has 5 switches and allows an easy and precise monitoring of *FORTIS PDS*. The accelerator sensitivity can be selected between low, middle and high.



Handpiece

The ergonomic designed handpiece is auto-clavable. The stopcock guarantees a precise monitoring of the suction. Tubes with various diameter can be easily connected.



On Screen Display

The system displays the use mode, rpm and the setting of foot-pedal to the monitor during operation.

GENERAL

Order-No.	
655-00000	Shaver »FORTIS PDS«
655-00010	■ Shaver Console
655-00020	■ Foot-pedal
655-00030	■ Handpiece
Main Connection	
Power supply	~200 - 240 V AC
Frequency	50 - 60 Hz
Power consumption	Max. 220 VA
Fuse	2 x T 2, 0A/250 V
Classification	
Safety class	1 with potential equalization connection
Protection	IP X 1 console, IP X 7 foot-pedal, handpiece
Type	BF
Approval	CE
Dimension and Weight (Main Unit)	
Dimension (w/h/d)	440 x 156 x 356 mm
Weight	9.6 kg
Dimension and Weight (Handpiece)	
Dimension (w/h/d)	180 x 28 x 37 mm
Weight	0.75 kg
Cable length	3.0 m
Dimension and Weight (Foot-Pedal)	
Dimension (w/h/d)	290 x 50 x 208 mm
Weight	1.7 kg
Cable length	3.0 m
Extent of Delivery	
Shaver »FORTIS PDS«	<ul style="list-style-type: none"> ■ Shaver Console ■ Foot-pedal ■ Handpiece incl. cable ■ Power cable ■ User manual
Interface	
	<ul style="list-style-type: none"> ■ 1 x Y/C (S-VHS) in ■ 1 x Y/C (S-VHS) out ■ 1 x composit (in) ■ 1 x composit (out)

SPECIFICATION

Main Unit PC-2000 A		
Rotation:	high - low	Rotation selectable
	forward	Max. 6000 rpm
	reverse	Max. 6000 rpm
Oscillation:	hard-soft	Rotation selectable
	oscillation time	Optimized
	hard	Max. 2500 rpm
	soft	Max. 2500 rpm
Voice feedback		4 selectable levels
Auto identification of handpiece		
Handpiece SH-2000 A		
Blade connection		Compatible to Linvatec
Suction channel		With stopcock
Autoclavable		134°C, 2.2 bar
Multifunction Foot-Pedal FP-500		
Accelerator sensitivity		Low/middle/high
Change operation mode		<ul style="list-style-type: none"> ■ Forward - reverse ■ High-low ■ Oscillation: hard-soft ■ Speed: accelerator or on/off

IRRIGATION PUMP

IRRIGATION PUMP

Order-No.: 670-96700

Product

Order-No.

Description



Safe and Simple

With its easy handling and comprehensive equipment, the *Irrigation Pump A 106* is the optimum partner for physicians who operate with the most modern technology.

- *Automatic instrument recognition* optimises performance by adapting to any kind of inflow instrumentation
- *Easy to load disposable and reusable tubing set* combined with simple handling lead to simpler and safer operation
- *Precise regulation and contact-free pressure monitoring* ensure constant distension of the joint, even during the use of a Shaver-System
- *Increased patient safety* through intra-articular pressure monitoring and active pressure relief



Cable Remote Control

■ Order-No.: 670-96440



Pneumatic Foot-pedal

■ Order-No.: 670-96430



Tubing Set

GENERAL

<i>Order-No.</i>	
670-96700	Irrigation Pump A 106
<i>Main Connection</i>	
Power supply	~ 100 - 240 V AC
Frequency	50 - 60 Hz
Power consumption	75 VA
<i>Classification</i>	
Safety class	1 with potential equalization connection
Protection	IP 41
Type	BF
Approval	CE
<i>Dimension and Weight</i>	
Dimension (w/h/d)	265 x 145 x 390 mm
Weight	7.1 kg
<i>Extent of Delivery</i>	
Irrigation Pump A 106	<ul style="list-style-type: none"> ■ Main power cable ■ User manual
<i>Interface</i>	
Foot-pedal	Connection for the washing function
Connection cable	For cable remote control

SPECIFICATION

<i>Main Unit</i>	
Pressure range	0 - 200 mm Hg
Flow range	0.1 - 1.5 l/min.
High pressure safety	300 mm Hg

<i>Order-No.</i>	<i>Accessories</i>
670-96410	Limited use tubing set, Silicone
670-96460	10 x membrane for pressure chambre for limited use tubing set
670-96420	Disposable tubing set, PVC (10 pcs.)
670-96430	Pneumatic foot-pedal for washing function
670-96440	Cable remote control

MGB BERLIN

YOUR PARTNER IN ENDOSCOPY AND COMPLETE SYSTEMS FOR THE MINIMAL INVASIVE SURGERY

*ENT – Laryngoscopy, Bronchoscopy,
Otoscopy, Sinoscopy*

Endoscopic Surgery – Laparoscopy

Urology – Resectoscopy – Cystoscopy

Gynaecology – Hysteroscopy – Resectoscopy

Arthroscopy – Shaver System & Unique Handheld Instruments

Electronic Devices for all Applications

- Video-Cameras
- Light-Sources
- Gas-Insufflators
- Pumps
- Monitors
- Disto II Digital Storage
- Shaver
- RF-Surgical Device



MGB

MGB Endoskopische Geräte GmbH Berlin
Schwarzschildstrasse 6 · 12489 Berlin, Germany
Phone: +49-30-63 92-70 10/-7000
Fax: +49-30-63 92-70 11
E-mail: sales@mgb-berlin.de
Internet: www.mgb-berlin.de

