

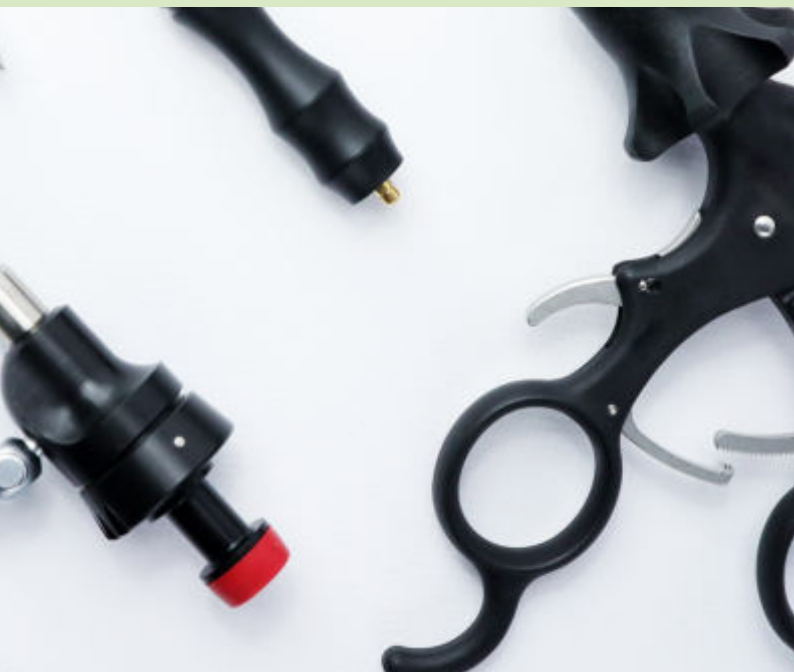


Arthroscopy

Access, Visualization & Instrumentation

Our Vision

"True to our vision **INNOVATING TRADITION** it has always been our goal to not only provide our customers and healthcare professionals with an industry-leading value proposition through continuous innovation in our products and processes.



We believe that it is equally important to not lose sight of our roots and to preserve the craftsmanship that has been perfected over generations as an established family business. This enables us to maintain a productive and sustainable home for our staff and to improve clinical outcomes every single day in over 100 countries around the world."

Peter Grassl, CEO

+ 20k SKUs

As **Full-Range-System Manufacturer** we are able to provide you with a coherent product portfolio - from endoscopy to ligation, from implantology to general surgery.



Capabilities

+ Manufacturing

Surgical Instruments, Units, Implants, Optics

+ Regulatory

ISO 13485:2016, US FDA, CFDA, ANVISA,
COFEPRIS

+ Service

+ R&D



Global Player

Sales subsidiaries located in
Greece, India, USA & Mexico



Serving over
100
Countries

More than
80
Employees



3
Manufacturing
Sites

400
Strategic
Partners



Table of Contents

Product Range at a Glance



Instrument Sets

Wrist Arthroscopy Set	p. 6
Elbow / Ankle Arthroscopy Set	p. 7
Shoulder Arthroscopy Set	p. 8
ACL / PCL Set	p. 10
Basic Meniscus Set	p. 13
Comprehensive Meniscus Set	p. 14
Hip Arthroscopy Set	p. 15

Access Instrumentation

Sheath Systems & Obturators	p. 19
Irrigation Cannula Sets	p. 21

Visualization

Arthroscopes

4k UHD Arthroscopes	p. 25
FullHD Arthroscopes	p. 25
Standard Arthroscopes	p. 25

Accessories

Fiber Light Cables	p. 27
Light Cable Adapters	p. 28
Light Cable Testers	p. 28

Arthroscopy Punches: Features & Design	p. 30
---	-------

Small Joint Instruments

Punches	p. 35
Grasping Forceps	p. 36
Scissors	p. 37

Shoulder Arthroscopy Instruments

Suturing Instruments	p. 41
----------------------	-------

Knee Arthroscopy Instruments

Slide Shaft Punches

Punches	p. 53
Scissors	p. 65

Grasping Forceps p. 66

Tube Shaft Punches

Punches p. 71

Scissors p. 77

Grasping Forceps p. 78

ACL / PCL Reconstruction p. 81

Hip Arthroscopy Instruments

Punches p. 93

Grasping Forceps p. 95

Arthroscopic Hand Instruments

Hook Probes p. 101

Spoon p. 101

Ring Curettes p. 101

Knives p. 102

Meniscotomes p. 102

Cartilage Rasps p. 102

Chondro Picks & Hammer p. 103

Knot Pushers p. 104

Surgical Units for Arthroscopy

Shaver System p. 108

Shaver Blades p. 110

Bipolar Electrodes & Handpieces p. 112

Accessories for Arthroscopy

Containers p. 116

Accessories for Operating Tables p. 116

General Instruments p. 118



Wrist Arthroscopy Set

Ordering Information and Recommendations

1 x Standard Arthroscope, Ø 2.7 mm, 30°, 110 mm	# 17-1757
1 x Standard fiber light cable, Ø 3.5 mm, 2.3 m	# 11-1151
1 x Adaptor scope-side, Ackermann / Storz ¹ / Olympus ¹	# 11-1146-100
1 x Adaptor lightsource-side, Ackermann / Storz ¹	# 11-1147-100
1 x Universal sheath, 2 rotatable stopcocks, Ø 2.7 mm, 110 mm	# 17-1766
1 x Blunt tip obturator, Ø 2.7 mm, 110 mm	# 17-1786
1 x Hook probe, graduated, sheath straight, Ø 2.5 mm, triangular handle	# 17-1802DK
1 x Hook probe, pointed, sheath straight, triangular handle	# 17-1824DK
1 x Alligator grasper Jr., straight sheath, 95 mm, slide-lock handle	# 17-3111
1 x Basket punch Jr., straight sheath, blunt, 95 mm, classic handle	# 17-3108
1 x Oval punch, Jr., straight sheath, 95 mm, classic handle	# 17-3103
1 x Oval punch, Jr., left curved sheath, 95 mm, classic handle	# 17-3104
1 x Oval punch, Jr., right curved sheath, 95 mm, classic handle	# 17-3105
1 x Grasper, raptor style Jr., straight sheath, 95 mm, classic handle	# 17-3110*
1 x Endoscope wire basket for 1 scope, with lid and scope fixation, 290 x 80 x 52 mm	# 15-1697
1 x 1/2 Container, bottom non-perforated, silver lid, 285 x 280 x 135 mm	# 50-1310.13
1 x Wire basket, 255 x 245 x 50 mm	# 50-1390.05
2 x Identification Label, without engraving, silver	# 50-1820.00



Elbow / Ankle Arthroscopy Set

Ordering Information and Recommendations

1 x Standard Arthroscope, Ø 2.7 mm, 30°, 110 mm	# 17-1757
1 x Standard fiber light cable, Ø 3.5 mm, 2.3 m	# 11-1151
1 x Adaptor scope-side, Ackermann / Storz ¹ / Olympus ¹	# 11-1146-100
1 x Adaptor lightsource-side, Ackermann / Storz ¹	# 11-1147-100
1 x Universal sheath, 2 rotatable stopcocks, Ø 2.7 mm, 110 mm	# 17-1766
1 x Blunt tip obturator, Ø 2.7 mm, 110 mm	# 17-1786
1 x Hook probe, graduated, sheath straight, Ø 2.5 mm, triangular handle	# 17-1802DK
1 x Chondro pick, silicone handle, 25° angled tip, 125 mm	# 17-1838S-25
1 x Chondro pick, silicone handle, 60° angled tip, 125 mm	# 17-1838S-60
1 x Basket punch Jr., straight sheath, 95 mm, classic handle	# 17-3106
1 x Basket punch Jr., straight sheath, blunt, 95 mm, classic handle	# 17-3108*
1 x Oval punch, Jr., straight sheath, 95 mm, classic handle	# 17-3103
1 x Grasper, raptor style Jr., straight sheath, 95 mm, classic handle	# 17-3110
1 x Endoscope wire basket for 1 scope, with lid and scope fixation, 290 x 80 x 52 mm	# 15-1697
1 x 1/2 Container, bottom non-perforated, silver lid, 285 x 280 x 135 mm	# 50-1310.13
1 x Wire basket, 255 x 245 x 50 mm	# 50-1390.05
2 x Identification Label, without engraving, silver	# 50-1820.00



Shoulder Arthroscopy Set

Ordering Information and Recommendations

1x 4k UHD Arthroscope, Ø 4 mm, 30°, 185 mm	# 17-1755HD
1x Standard fiber light cable, Ø 3.5 mm, 2.3 m	# 11-1151
1x Adaptor scope-side, Ackermann / Storz ¹ / Olympus ¹	# 11-1146-100
1x Adaptor lightsource-side, Ackermann / Storz ¹	# 11-1147-100
1x Universal sheath, 2 rotatable stopcocks, Ø 4 mm, 175 mm	# 17-1770
1x Conical tip obturator, Ø 4 mm, 175 mm	# 17-1795
1x Blunt tip obturator, Ø 4 mm, 175 mm	# 17-1790
1x Changing guide, Ø 4 mm, 350 mm	# 17-1778
1x Hook probe, pointed, graduated, silicone handle, straight tip	# 17-1802-06S-215
1x PCL elevator	# 17-1848
1x Rasp, straight	# 17-1839S
1x Low Duckbill punch, medium, upbiter, 220 mm, classic handle	# 17-3160
1x Alligator grasper, straight sheath, 220 mm, slide-lock handle	# 17-3171
1x Suture manipulator, sheath straight, 155 mm, classic handle	# 17-3270*
1x Knot pusher, closed, sheath straight, 155 mm	# 17-3153
1x Suture cutter, v-shape, sheath straight, 155 mm, axial handle w/o ratchet	# 17-3149
1x Suture hook, sliding, sheath straight, 155 mm, handle with positioning	# 17-3152
1x Bird beak, suture hook, tip straight, sheath 15° upswept, 155 mm	# 17-3313
1x Bird beak, suture hook, sheath straight, jaws 45° angled left, 155 mm, axial handle	# 17-3318
1x Bird beak, suture hook, sheath straight, jaws 45° angled right, 155 mm, axial handle	# 17-3319*
1x Bird beak, suture hook, tip straight, 15° upswept jaws, 155 mm, axial handle	# 17-3315
1x Bird beak, suture hook, sheath straight, 45° angled right jaws, 155 mm, axial handle	# 17-3121*
1x Bird beak, suture hook, sheath straight, upbiter 45° angled left jaws, 155 mm, axial handle	# 17-3118
1x Suture passer, 170 mm, straight jaws, handle with ratchet	# 17-5002*
1x Single-use, non-sterile nitinol needle with protecting cap, white, Ø 1.5 mm, 170 mm	# 17-5101



1 x Endoscope wire basket for 1 scope, with lid and scope fixation, 290 x 80 x 52 mm	# 15-1697
1 x 3/4 Container, bottom non-perforated, silver lid, 465 x 280 x 135 mm	# 50-1210.13
1 x 3/4 Container, wire basket, 400 x 250 x 50 mm	# 50-1290.05
2 x Identification Label, without engraving, silver	# 50-1820.00

ACL / PCL Set

Ordering Information and Recommendations

1x ACL / PCL handle	# 17-6510	
1x ACL / PCL bullet, 2.4 mm	# 17-6578-24	
1x ACL / PCL bullet, 3.5 mm	# 17-6578-35	
1x PCL tibial marking hook drill guide	# 17-6805	
1x PCL femoral marking hook drill guide	# 17-6806	
1x ACL / PCL femoral marking hook, curved	# 17-6515	
1x ACL / PCL femoral (RP) aimer	# 17-6514	
1x ACL / PCL femoral (LP) aimer	# 17-6513*	
1x ACL / PCL femoral aimer	# 17-6512	
1x ACL / PCL tibial aimer	# 17-6511*	
1x ACL / PCL multiuse aimer	# 17-6504*	
1x Tunnel dilator, cannulated, for use with T-handle, Ø 6 - 7 mm	# 17-6867	
1x Tunnel dilator, cannulated, for use with T-handle, Ø 7 - 8 mm	# 17-6878	
1x Tunnel dilator, cannulated, for use with T-handle, Ø 8 - 9 mm	# 17-6889	
1x Tunnel dilator, cannulated, for use with T-handle, Ø 9 - 10 mm	# 17-6890	
1x Tunnel dilator, cannulated, for use with T-handle, Ø 10 - 11 mm	# 17-6891	
1x Tunnel dilator, cannulated, for use with T-handle, Ø 11 - 12 mm	# 17-6892	
1x T-handle for tunnel dilators	# 17-6800	
1x Tibial drill, cannulated, Ø 6 mm	# 17-6260	
1x Tibial drill, cannulated, Ø 7 mm	# 17-6270	
1x Tibial drill, cannulated, Ø 8 mm	# 17-6280	
1x Tibial drill, cannulated, Ø 9 mm	# 17-6290	
1x Tibial drill, cannulated, Ø 10 mm	# 17-6210	
1x Tibial drill, cannulated, Ø 11 mm	# 17-6211	
1x Tibial drill, cannulated, Ø 12 mm	# 17-6212	
1x Endoscopic reamer, cannulated, Ø 4.7 mm	# 17-6347	
1x Endoscopic reamer, cannulated, Ø 5.2 mm	# 17-6352	
1x Endoscopic reamer, cannulated, Ø 5.6 mm	# 17-6356	
1x Drill bit, Ø 2.4mm	# 17-6324	
1x Pin, drill bit	# 17-6301	
1x Pin, diamond tip	# 17-6302	

1x Femoral reamer, cannulated, Ø 6 mm	# 17-6460
1x Femoral reamer, cannulated, Ø 7 mm	# 17-6470
1x Femoral reamer, cannulated, Ø 8 mm	# 17-6480
1x Femoral reamer, cannulated, Ø 9 mm	# 17-6490
1x Femoral reamer, cannulated, Ø 10 mm	# 17-6410
1x Femoral reamer, cannulated, Ø 11 mm	# 17-6411
1x Femoral reamer, cannulated, Ø 12 mm	# 17-6412
1x Guide wire, for screws, Ø 2 mm	# 17-6320
1x Rasp, straight	# 17-1839S
1x Rasp, convex	# 17-1839C
1x Rasp, half-round	# 17-1839H
1x Chondro pick, silicone handle, straight, Ø 6 mm, 125 mm	# 17-1838S
1x Chondro pick, silicone handle, 25° angled, Ø 6 mm, 125 mm	# 17-1838S-25
1x Chondro pick, silicone handle, 40° angled, Ø 6 mm, 125 mm	# 17-1838S-40
1x Chondro pick, silicone handle, 60° angled, Ø 6 mm, 125 mm	# 17-1838S-60
1x Chondro pick, silicone handle, 90° angled, Ø 6 mm, 125 mm	# 17-1838S-90
1x Curette, 25° angled	# 17-1814-6S-215
1x Femoral aimer, Ø 5 mm	# 17-1846-5
1x Femoral aimer, Ø 6 mm	# 17-1846-6
1x Femoral aimer, Ø 7 mm	# 17-1846-7
1x Transportal femoral aimer, Ø 5 mm	# 17-1847-5
1x Transportal femoral aimer, Ø 6 mm	# 17-1847-6
1x Transportal femoral aimer, Ø 7 mm	# 17-1847-7
1x PCL elevator	# 17-1848
1x Tendon stripper, closed, Ø 7 mm	# 17-1849-7
1x Tendon stripper, closed, Ø 8 mm	# 17-1849-8
1x Tendon stripper, closed, Ø 9 mm	# 17-1849-9
1x Tendon stripper, open, Ø 7 mm	# 17-1850-7
1x Tendon stripper, open, Ø 8 mm	# 17-1850-8
1x Tendon stripper, open, Ø 9 mm	# 17-1850-9
1x Hook probe, pointed, triangular handle	# 17-1824DK
1x Impactor for spiked ligamental staple	# 17-6501



- | | |
|---|--------------|
| 1 x Graft preparation station | # 17-6500 |
| 1 x Depth gauges for measuring the total length of the femoral channel | # 17-1851 |
| 1 x Screw driver, cannulated | # 17-1852 |
| 1 x Graft sizing block A, Ø 6 -12 mm | # 17-6954 |
| 1 x Graft sizing block B, Ø 6.5 -11.5 mm | # 17-6889 |
| 1 x Tunnel plugs, Ø 7 - 8 mm | # 17-6257 |
| 1 x Tunnel plugs, Ø 8 - 9 mm | # 17-6258 |
| 1 x Tunnel plugs, Ø 9 - 10 mm | # 17-6259 |
| 1 x 1/1 Container, bottom non-perforated, silver lid, 580 x 280 x 150mm | # 50-1010.15 |
| 3 x Layers | |



Meniscus Basic Set

Ordering Information and Recommendations

1x Backbiter, right curved, straight sheath, 125 mm, classic handle	# 17-3051	
1x Backbiter, left curved, straight sheath, 125 mm, classic handle	# 17-3052*	
1x Rotary basket punch, 2.2 mm, 90° left, straight sheath, 125 mm, classic handle	# 17-3072	
1x Rotary basket punch, 2.2 mm, 90° right, straight sheath, 125 mm, classic handle	# 17-3073	
1x Duckbill punch, medium, straight sheath, 125 mm, classic handle	# 17-3020*	
1x Oval punch, straight sheath, 125 mm, classic handle	# 17-3063	
1x Duckbill punch, medium, upbiter, straight sheath, 125 mm, classic handle	# 17-3021	
1x Scissor punch, straight sheath, 125 mm, classic handle	# 17-3032*	
1x Low Duckbill punch, medium, straight sheath, 125 mm, classic handle	# 17-3040	
1x Low Duckbill punch, medium, upbiter, straight sheath, 125 mm, classic handle	# 17-3041	
1x Basket punch, slim line, upbiter, straight sheath, 125 mm, classic handle	# 17-3045	
1x Posterior punch, upbiter, 125 mm, classic handle	# 17-3055*	
1x Alligator grasper, 3.2 mm, straight sheath, 125 mm, slide-lock handle	# 17-3015*	
1x Hook probe, graduated, sheath straight, Ø 2.5 mm, 125 mm	# 17-1802	
1x 1/2 Container for 14 Arthroscopic punches, 285 x 280 x 135mm	# 17-1750CON	

Comprehensive Meniscus Set

Ordering Information and Recommendations

1x Backbiter, right curved, straight sheath, 125 mm, classic handle	# 17-3051
1x Backbiter, left curved, straight sheath, 125 mm, classic handle	# 17-3052
1x Rotary basket punch, 2.2 mm, 90° left, straight sheath, 125 mm, classic handle	# 17-3072
1x Rotary basket punch, 2.2 mm, 90° right, straight sheath, 125 mm, classic handle	# 17-3073*
1x Duckbill punch, medium, straight sheath, 125 mm, classic handle	# 17-3020
1x Oval punch, straight sheath, 125 mm, classic handle	# 17-3063*
1x Duckbill punch, medium, upbiter, straight sheath, 125 mm, classic handle	# 17-3021
1x Scissor punch, straight sheath, 125 mm, classic handle	# 17-3032
1x Low Duckbill punch, medium, straight sheath, 125 mm, classic handle	# 17-3040
1x Low Duckbill punch, medium, upbiter, straight sheath, 125 mm, classic handle	# 17-3041
1x Basket punch, classic, upbiter, straight sheath, 125 mm, classic handle	# 17-3024*
1x Basket punch, classic, upswept sheath, 125 mm, classic handle	# 17-3028
1x Basket punch, 1.0 mm, blunt, straight sheath, 125 mm, classic handle	# 17-3031
1x Basket punch, slim line, upbiter, straight sheath, 125 mm, classic handle	# 17-3045
1x Posterior punch, upbiter, 125 mm, classic handle	# 17-3055
1x Basket punch, slim line, straight sheath, 125 mm, classic handle	# 17-3046*
1x Basket punch, slim line, upbiter, left curved, 125 mm, classic handle	# 17-3048
1x Basket punch, slim line, upbiter, right curved, 125 mm, classic handle	# 17-3049
1x Basket punch, slim line, upswept, 125 mm, classic handle	# 17-3050
1x Posterior punch, upswept, 125 mm, classic handle	# 17-3056
1x Posterior punch, straight sheath, 125 mm, classic handle	# 17-3057*
1x Posterior punch, left curved, 125 mm, classic handle	# 17-3058
1x Posterior punch, right curved, 125 mm, classic handle	# 17-3059
1x Alligator grasper, 3.2 mm, straight sheath, 125 mm, slide-lock handle	# 17-3015*
1x Hook probe, graduated, sheath straight, Ø 2.5 mm, 125 mm	# 17-1802
1x Grasper, 1x2 teeth, straight sheath, 125 mm, slide-lock handle	# 17-3014
1x 1/2 Container for 14 Arthroscopic punches, 285 x 280 x 135mm	# 17-1750CON



Hip Arthroscopy Set

Ordering Information and Recommendations

1 x 4k UHD Arthroscope, Ø 4 mm, 30°, 185 mm	# 17-1755HD
1 x 4k UHD Arthroscope, Ø 4 mm, 70°, 185 mm	# 17-1760HD
1 x Standard fiber light cable, Ø 3.5 mm, 2.3 m	# 11-1151
1 x Adaptor scope-side, Ackermann / Storz ¹ / Olympus ¹	# 11-1146-100
1 x Adaptor lightsource-side, Ackermann / Storz ¹	# 11-1147-100
1 x Universal sheath, 2 rotatable stopcocks, Ø 4 mm, 175 mm	# 17-1770
1 x Universal sheath, 1 rotatable stopcock, Ø 4 mm, 175 mm	# 17-1780
1 x Conical tip obturator, Ø 4 mm, 175 mm	# 17-1795
2 x Blunt tip obturator, Ø 4 mm, 175 mm	# 17-1790
1 x Banana knife, smooth, sheath straight, triangular handle	# 17-1806DK
1 x Hook probe, graduated, sheath straight, Ø 2.5 mm, triangular handle	# 17-1802DK
1 x Chondro pick, silicone handle, 25° angled tip, 215 mm	# 17-1838S-215-25
1 x Chondro pick, silicone handle, 60° angled tip, 215 mm	# 17-1838S-215-60
1 x Chondro pick, silicone handle, 90° angled tip, 215 mm	# 17-1838S-215-90
1 x Ring curette 10°, sheath straight, silicone handle, 215 mm	# 17-1814-6S-215
2 x Endoscope wire basket for 1 scope, with lid and scope fixation, 290 x 80 x 52 mm	# 15-1697
1 x 3/4 Container, bottom non-perforated, silver lid, 465 x 280 x 135 mm	# 50-1210.13
1 x 3/4 Container, wire basket, 400 x 250 x 50 mm	# 50-1290.05
2 x Identification Label, without engraving, silver	# 50-1820.00



Access Instrumentation

Table of Contents

Sheath Systems & Obturators / **p. 19**

Irrigation Cannula Sets / **p. 21**





Sheath Systems & Obturators

Key Features

- **Reliable, universal** coupling systems
- **Intuitive** actuation mechanism
- **Freely adjustable** continuous flows
- Ergonomic design
- Long durability due to the use of **high-quality stainless steels and polymers**



... more Features

- Easy cleaning due to detachable system
- Light-weight engineering
- "Easy to use" concept



Universal Sheaths

2 Rotatable Stopcocks



	For use with scope	Item no.
Universal sheath, 2 rotatable stopcocks	Ø 2.7 mm, 110 mm	17-1766
Universal sheath, 2 rotatable stopcocks	Ø 2.7 mm, 185 mm	17-1765
Universal sheath, 2 rotatable stopcocks	Ø 4 mm, 185 mm	17-1770

Universal Sheaths

1 Rotatable Stopcock



	For use with scope	Item no.
Universal sheath, 1 rotatable stopcock	Ø 2.7 mm, 185 mm	17-1795-27
Universal sheath, 1 rotatable stopcock	Ø 4 mm, 185 mm	17-1780

Pyramidal Tip Obturators



	For use with sheath	Item no.
Pyramidal tip obturator, Ø 2.7 mm, 110 mm	17-1766	17-1771
Pyramidal tip obturator, Ø 2.7 mm, 185 mm	17-1765, 17-1795-27	17-1784
Pyramidal tip obturator, Ø 4 mm, 185 mm	17-1770, 17-1780	17-1785

Conical Tip Obturators



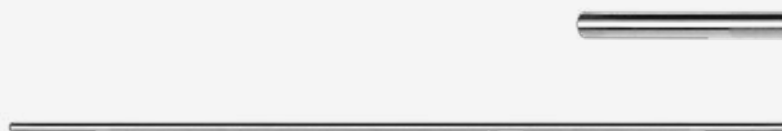
	For use with sheath	Item no.
Conical tip obturator, Ø 2.7 mm, 110 mm	17-1766	17-1787
Conical tip obturator, Ø 2.7 mm, 185 mm	17-1765, 17-1795-27	17-1794
Conical tip obturator, Ø 4 mm, 185 mm	17-1770, 17-1780	17-1795

Blunt Tip Obturators



	Working length	Item no.
Blunt tip obturator, Ø 2.7 mm, 110 mm	17-1766	17-1786
Blunt tip obturator, Ø 2.7 mm, 185 mm	17-1765, 17-1795-27	17-1789
Blunt tip obturator, Ø 4 mm, 185 mm	17-1770, 17-1780	17-1790

Changing Guide



	Diameter	Item no.
Changing guide, 350 mm	Ø 2.7 mm	17-1777
Changing guide, 350 mm	Ø 4 mm	17-1778

Irrigation Cannula Set with Stopcock



Irrigation cannula set, Ø 3.2 mm	Item no. 17-1791
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Irrigation Cannula Set with Infusion Adapter



Irrigation cannula set, Ø 4.5 mm	Item no. 17-1796
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Arthroscopes & Accessories

Table of Contents

4k UHD, FullHD & Standard Arthroscopes / **p. 24**

Fiber Light Cables, Adapters & Light Cable Testers / **p. 26**





Arthroscopes

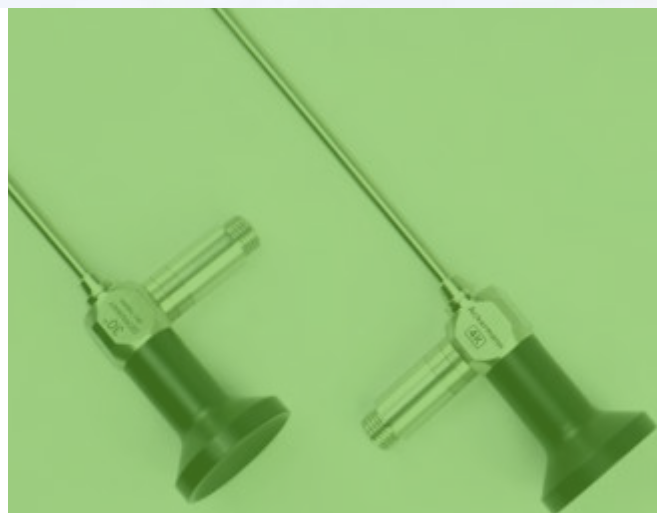
Key Features

- Available in **4k UHD, FullHD and standard resolution**
- **Sapphire glass lense** at proximal and distal end
- Nitrogen filled optical system to **avoid fogging** from the inside
- Three-tube construction for **more stability**
- Sealing by **laser welding** with **excellent** optical transmission
- **Autoclavable**



... more Features

- Made of high-quality stainless steel
- Sophisticated, anti-reflective optical system
- Powerful optical fibers
- Highly refractive lenses for optimum colour rendering even at high magnification
- Light cable adapters to Ackermann, Storz¹, Olympus¹, Wolf¹, ACMI¹
- High-quality glass cone for optimizing light input
- Standard C-Mount coupling
- Extremely precise centering of the optical and mechanical components for a brilliant and high-contrast image right up to the edge area the inside



4k UHD Arthroscopes



	Viewing angle	Item no.
4k UHD Arthroscope, Ø 4 mm, 185 mm	0 °	17-1750UHD
4k UHD Arthroscope, Ø 4 mm, 185 mm	30 °	17-1755UHD
4k UHD Arthroscope, Ø 4 mm, 185 mm	70 °	17-1760UHD

FullHD Arthroscopes



	Viewing angle	Item no.
FullHD Arthroscope, Ø 4 mm, 185 mm	0 °	17-1750HD
FullHD Arthroscope, Ø 4 mm, 185 mm	30 °	17-1755HD
FullHD Arthroscope, Ø 4 mm, 185 mm	70 °	17-1760HD

Standard Arthroscopes



	Diameter	Viewing angle	Length	Item no.
Standard Arthroscope	Ø 2.7 mm	0 °	110 mm	17-1752
Standard Arthroscope	Ø 2.7 mm	0 °	185 mm	17-1751
Standard Arthroscope	Ø 2.7 mm	30 °	110 mm	17-1757
Standard Arthroscope	Ø 2.7 mm	30 °	185 mm	17-1756
Standard Arthroscope	Ø 2.7 mm	70 °	185 mm	17-1761
Standard Arthroscope	Ø 4 mm	0 °	185 mm	17-1750
Standard Arthroscope	Ø 4 mm	30 °	185 mm	17-1755
Standard Arthroscope	Ø 4 mm	70 °	185 mm	17-1760

Fiber Light Cables & Adapters

Key Features

- No gaps between the fibers ensure **30% more light** in comparison to conventionally bundled fiber light cables
- Extremely **sturdy material but highly flexible** at the same time



... more Features

- Transverse pressure resistant
- Excellent bending property
- + Other colors and patterns on request



High-Performance Fiber Light Cables



	Length	Item no.
High-performance fiber light cable, Ø 4.8 mm	1.8 m	11-1168
High-performance fiber light cable, Ø 4.8 mm	2.3 m	11-1167
High-performance fiber light cable, Ø 4.8 mm	3 m	11-1161

Standard Fiber Light Cables



	Length	Item no.
Standard fiber light cable, Ø 3.5 mm	1.8 m	11-1150
Standard fiber light cable, Ø 3.5 mm	2.3 m	11-1151
Standard fiber light cable, Ø 3.5 mm	3 m	11-1152

Anti-Fogging Lube

For Use with Ackermann Scopes



	Item no.
Anti-fogging lube, UOM 30 pcs.	11-1121

Scope-side Adapters

	Ackermann / Storz ¹ / Olympus ¹	Type Wolf ¹	ACMI ¹ / Circon ¹ / Stryker ¹	Item no.
Scope-side adapter	•			11-1146-100
Scope-side adapter		•		11-1146-200
Scope-side adapter			•	11-1146-300

Lightsource-side Adapters

	Ackermann / Storz ¹	Wolf ¹	ACMI ¹ / Circon ¹ / Stryker ¹	Olympus ¹	Item no.
Lightsource-side adapter	•				11-1147-100
Lightsource-side adapter		•			11-1147-200
Lightsource-side adapter			•		11-1147-300
Lightsource-side adapter				•	11-1147-400

Light Cable Testers

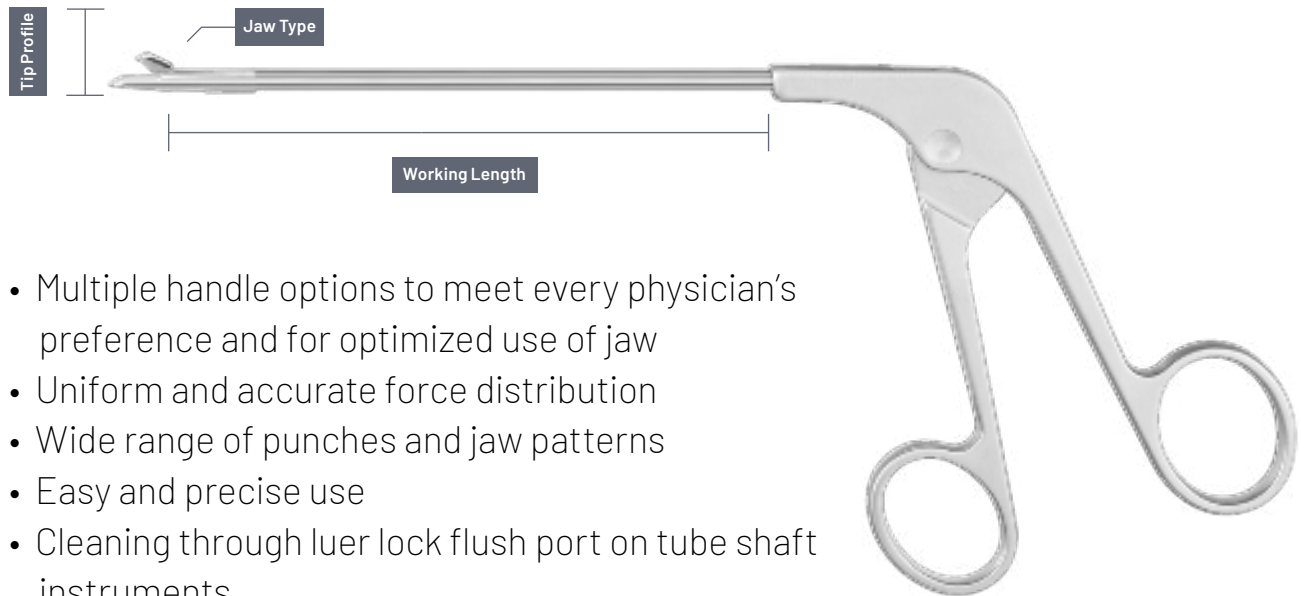


	Ackermann / Storz ¹	Type Wolf ¹	Olympus ¹	Item no.
Light cable tester	•			11-16000CB
Light cable tester		•		11-16000CBWOL
Light cable tester			•	11-16000CBOLY

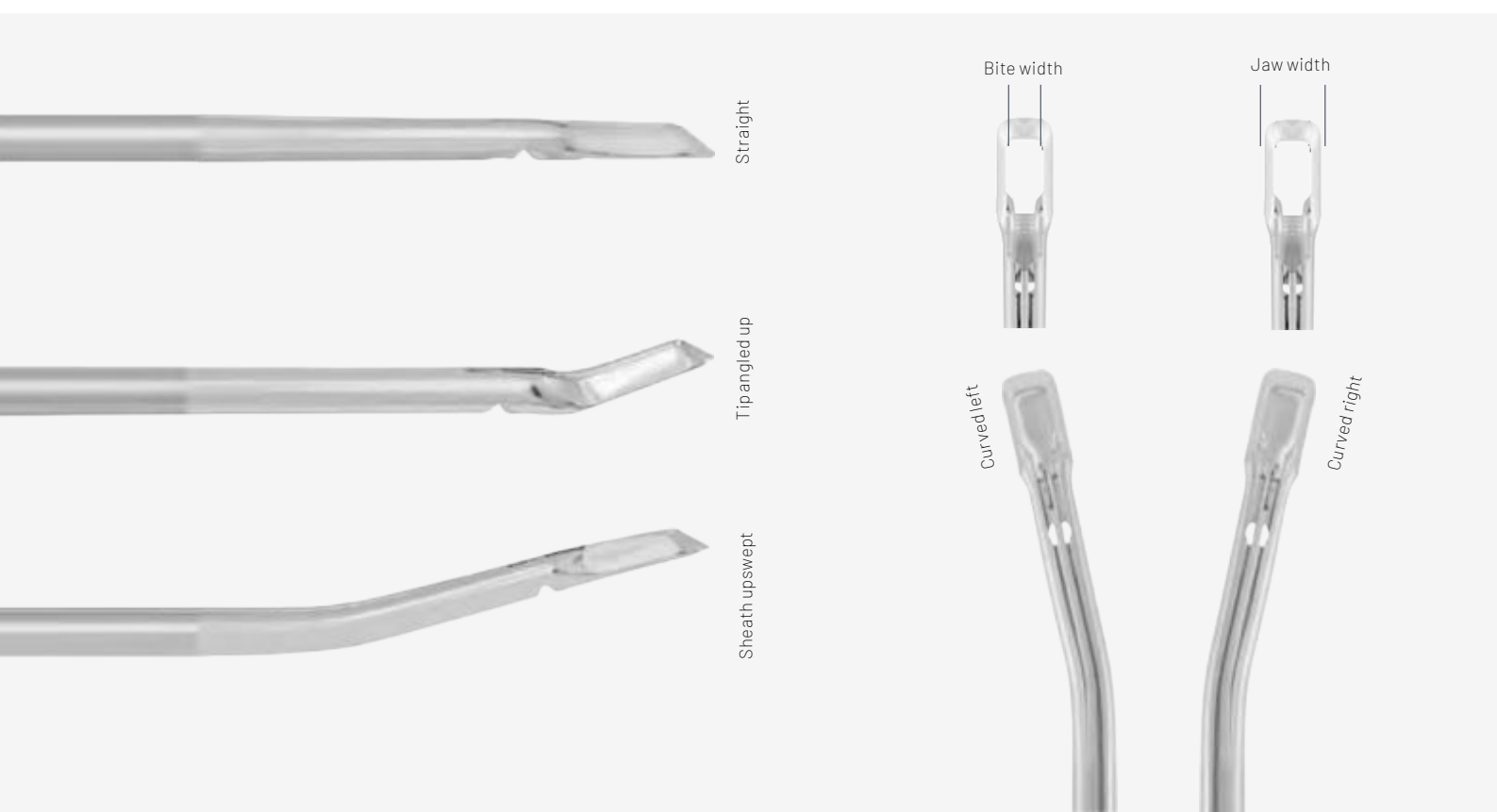


Arthroscopy Punches

Key Features



- Multiple handle options to meet every physician's preference and for optimized use of jaw
- Uniform and accurate force distribution
- Wide range of punches and jaw patterns
- Easy and precise use
- Cleaning through luer lock flush port on tube shaft instruments
- Maximum power transmission through a pinless joint guide
- Long durability due to the use of high-quality stainless steels and polymers
- Precise cutting pattern due to optimized punching gap dimensions in the jaw area



Comparison Chart

For Options of Punches based on the Application

		 Small Joint Arthroscopy p. 32	 Knee Arthroscopy p. 50	 Shoulder Arthroscopy p. 38	 Hip Arthroscopy p. 90
Working length		95 mm	125 mm / 130 mm	155 mm	220 mm
Classic handle		•	•	•	•
Slide-lock handle		•	•	•	•
Ergo handle		n/a	•	n/a	•
Handle with positioning		n/a	n/a	•	n/a
Cigar handle		n/a	•	n/a	•
Rotatable handle		n/a	•	n/a	n/a
Cylinder handle		n/a	n/a	•	n/a
Axial handle w/o ratchet		n/a	n/a	•	n/a
Axial handle with ratchet		n/a	n/a	•	n/a
Classic Luer Lock handle		n/a	•	n/a	n/a
Classic Luer Lock handle w. ratchet		n/a	•	n/a	n/a

Small Joint Arthroscopy

Table of Contents

Punches / **p. 35**

Grasping Forceps / **p. 36**

Scissors / **p. 37**





Small Joint Instruments

Key Features

- **Multiple handle options** to meet every physician's preference and for optimized use of jaw
- Uniform and accurate **force distribution**
- **Precise cutting pattern** due to optimized punching gap dimensions in the jaw area
- **Maximum power transmission** through a pinless joint guide
- Easy and precise use



... more Features

- Wide range of punches and jaw patterns
- Long durability due to the use of high-quality stainless steels and polymers
- Conveniently cleanable and reprocessable due to skeletonized design, easily accessible





Oval Punches Jr.



	Tip profile	Bite width	Jaw width	Sheath	Item no. Classic handle
Oval punch Jr., 95 mm	1.20 mm	2.30 mm	3.50 mm	straight *	17-3103
Oval punch Jr., 95 mm	1.20 mm	2.30 mm	3.50 mm	left curved	17-3104
Oval punch Jr., 95 mm	1.20 mm	2.30 mm	3.50 mm	right curved	17-3105

Basket Punch Jr.



	Tip profile	Bite width	Jaw width	Item no. Classic handle
Basket punch Jr., 95 mm	1.20 mm	2.30 mm	3.50 mm	17-3106

Basket Punch Jr., Upbiter



	Tip profile	Bite width	Jaw width	Item no. Classic handle
Basket punch Jr., upbiter, 95 mm	1.20 mm	2.30 mm	3.50 mm	17-3107

Basket Punch Jr., Blunt

				
	Tip profile	Bite width	Jaw width	Item no. Classic handle
Basket punch Jr., blunt, 95 mm	1.70 mm	1.70 mm	3.00 mm	17-3108

Grasper, Raptor Style Jr.

				
				Item no. Classic handle
Grasper, raptor style Jr., 95 mm				17-3110

Alligator Grasper Jr.

				
				Item no. Slide-lock handle
Alligator grasper Jr., 95 mm				17-3111

Pitbull Jr., 1x2 Teeth



Item no.
Slide-lock handle

Pitbull Jr., 1x2 teeth, 95 mm

17-3112

Hook Scissors Jr.



Item no.
Classic handle

Hook scissors Jr., 95 mm

17-3109

Shoulder Arthroscopy

Table of Contents

Bird Beak / **p. 41**

Clever Hook / **p. 42**

Sixter / **p. 43**

Suture Grasper / **p. 43**

Knot Pusher / **p. 45**

Suture Cutter / **p. 46**

Tissue Grasping Forceps / **p. 46**

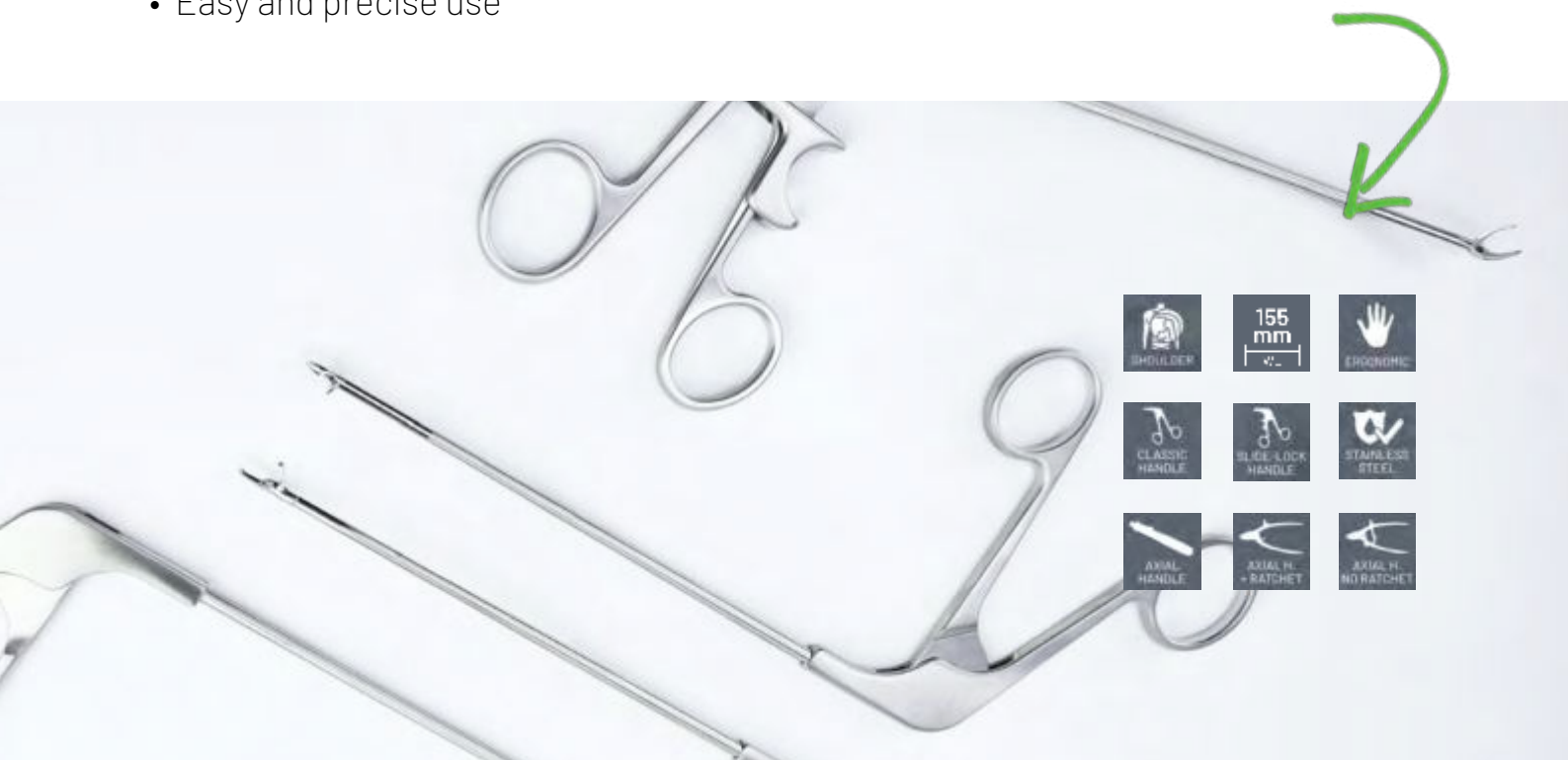




Shoulder Arthroscopy Instruments

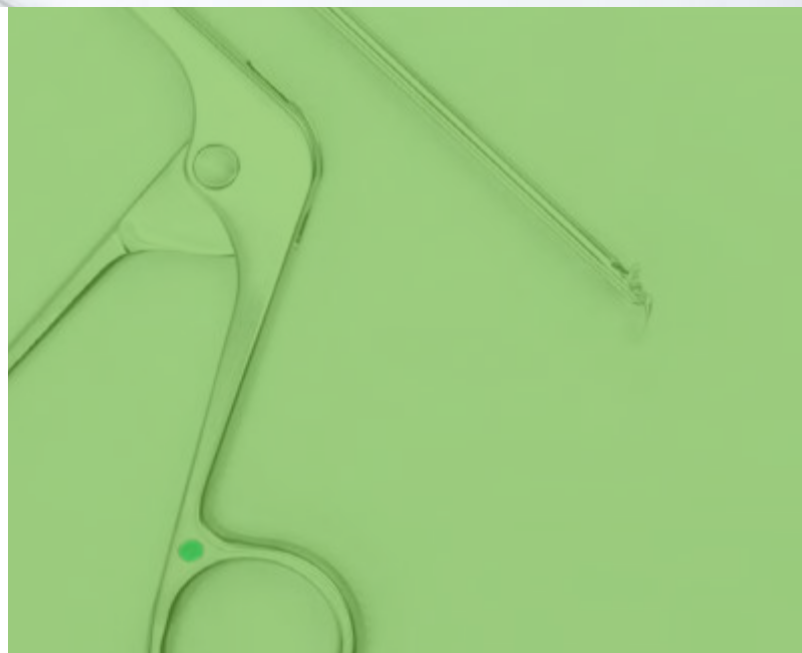
Key Features

- **Multiple handle options** to meet every physician's preference and for optimized use of jaw
- Uniform and accurate **force distribution**
- **Precise cutting pattern** due to optimized punching gap dimensions in the jaw area
- **Maximum power transmission** through a pinless joint guide
- Easy and precise use



... more Features

- Wide range of punches and jaw patterns
- Long durability due to the use of high-quality stainless steels and polymers
- Conveniently cleanable and reprocessable due to skeletonized design, easily accessible





Bird Beaks, Suture Hook



	Sheath		Item no.	
		Classic handle	Axial handle w/o ratchet	Cylinder handle
Bird beak , suture hook, tip straight, 170 mm	straight *	17-3113	17-3114	17-3115
Bird beak , suture hook, tip straight, 155 mm	15° upswept	17-3313	17-3314	17-3315



Bird Beaks, Suture Hook, Upbiter



	Jaw		Item no.	
		Classic handle	Axial handle w/o ratchet	Cylinder handle
Bird beak , suture hook, upbiter, 155 mm	45° angled left *	17-3116	17-3117	17-3118
Bird beak , suture hook, upbiter, 155 mm	45° angled right	17-3119	17-3120	17-3121



Bird Beaks, Suture Hook, Short Jaws



	Short jaw		Item no.	
		Classic handle	Axial handle w/o ratchet	Cylinder handle
Bird beak , suture hook, 155 mm	45° angled left *	17-3316	17-3317	17-3318
Bird beak , suture hook, 155 mm	45° angled right	17-3319	17-3320	17-3321



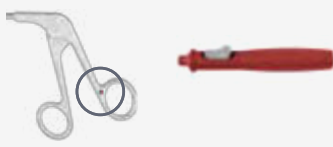
Bird Beaks, Suture Hook, Upbiter

				
	Jaw	Item no.		
		Classic handle	Axial handle w/o ratchet	Cylinder handle
Bird beak , suture hook, 155 mm	20° upbiter *	17-3122	17-3123	17-3124
Bird beak , suture hook, 155 mm	40° upbiter	17-3125	17-3126	17-3127

Clever Hook, Suture Hook, Right

			
		Item no.	
		Green classic handle	Green cylinder handle
Clever hook , suture hook, jaws right curved, 155 mm		17-3130	17-3131

Clever Hook, Suture Hook, Left

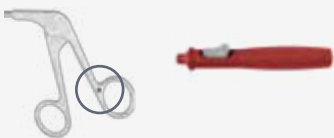
			
		Item no.	
		Red classic handle	Red cylinder handle
Clever hook, suture hook, jaws left curved, 155 mm		17-3334	17-3335

Sixter, Suture Hook, Right



Sixter, suture hook, jaws right curved, 155 mm	Item no.	
	Green classic handle	Green cylinder handle
	17-3134	17-3135

Sixter, Suture Hook, Left



Sixter, suture hook, jaws left curved, 155 mm	Item no.	
	Red classic handle	Red cylinder handle
	17-3132	17-3133

Suture Retrival Grasper, Serrated



Suture retriwer grasper, serrated, 155 mm	Item no.		
	Classic handle	Slide-lock handle	Axial handle with ratchet
	17-3336	17-3136	17-3137

Suture Retrival Graspers, Serrated

					
		Jaw	Classic handle	Item no.	
	Suture retractor grasper , serrated, 155 mm	45° angled left *	17-3338	17-3138	17-3139
Suture retractor grasper , serrated, 155 mm		45° angled right	17-3340	17-3140	17-3141

Suture Retrival Grasper, Serrated

					
			Classic handle	Item no.	
	Suture retractor grasper , serrated, 15° upbiter, 155 mm		17-3342	17-3142	17-3143

King Suture Retrival Graspers, Serrated

					
			Classic handle	Item no.	
	King suture retractor grasper , serrated, 170 mm		17-3344	17-3144	17-3145

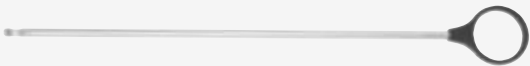


Suture Manipulator



Suture manipulator, 155 mm	Item no.	
	Classic handle	Axial handle w/o ratchet
	17-3270	17-3271

Knot Pushers, Closed



Knot pusher, closed, 155 mm	Item no.
	17-3153

Suture Hook, Sliding



Suture hook, sliding, 155 mm	Item no.
	Handle with positioning 17-3152

Suture Cutter, V-Shape



Suture cutter, v-shape, 155 mm	Item no.		
	Classic handle	Handle with positioning	Axial handle w/o ratchet
	17-3148	17-3348	17-3149

Tissue Grasping Forceps



Tissue grasping forceps, 155 mm	Item no.	
	Slide-lock handle	Axial handle with ratchet
	17-3146	17-3147

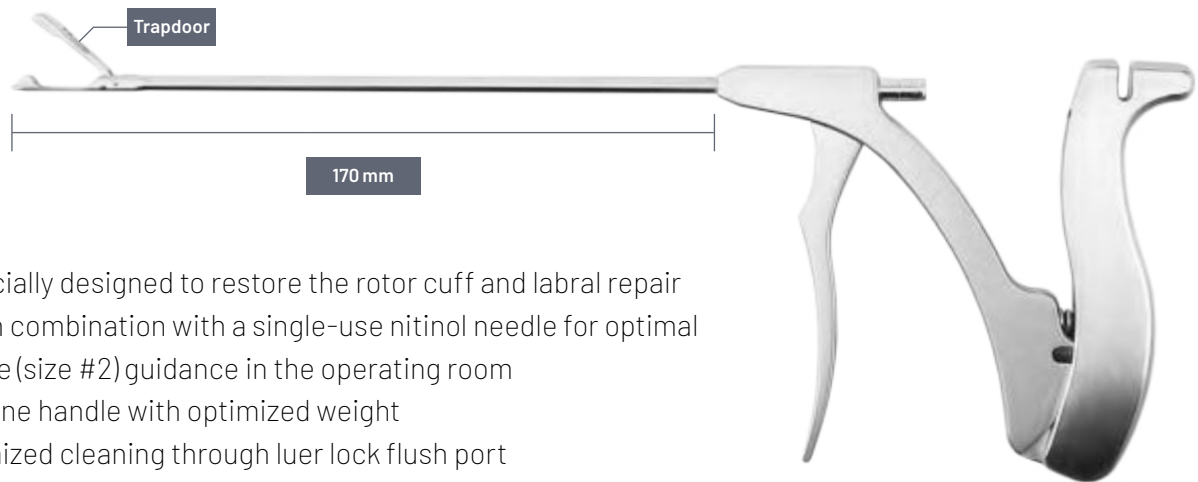


Click here or scan the QR-code to watch the complete instructional video!



Arthroscopy Suture Passer

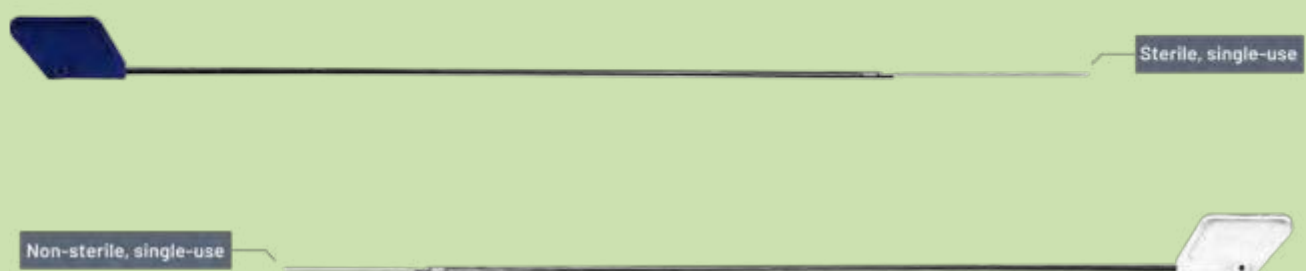
Key Features



- Especially designed to restore the rotor cuff and labral repair
- Use in combination with a single-use nitinol needle for optimal suture (size #2) guidance in the operating room
- Slim line handle with optimized weight
- Optimized cleaning through luer lock flush port
- Easy puncturing of the tissue
- Available with and without finger ratchet
- Long finger handle for ergonomic safety activation of the jaws
- Trapdoor in top jaws for clamping the suture

Nitinol Needles

Key Features



- Bionically optimized needle tip for higher breakage resistance
- With protecting cap for the needle
- Available single-use, sterile (blue) or single-use, non-sterile (white)
- Ø 1.5 mm, 170 mm working length



Suture Passers

			Jaws		Item no.	
					Handle without ratchet	Handle with ratchet
	Suture passer, 170 mm		straight		17-5001	17-5002
	Suture passer, 170 mm		right		17-5003	17-5004

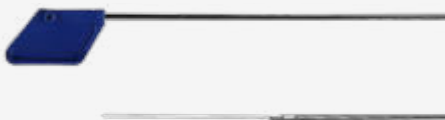


Nitinol Needle, Single-Use, Non-Sterile



		Item no.
Single-use, non-sterile nitinol needle with protecting cap, white, Ø 1.5 mm, 170 mm		17-5101

Nitinol Needle, Single-Use, Sterile



		Item no.
Single-use, sterile nitinol needle with protecting cap, blue, Ø 1.5 mm, 170 mm , UOM 6 pcs.		17-5101D

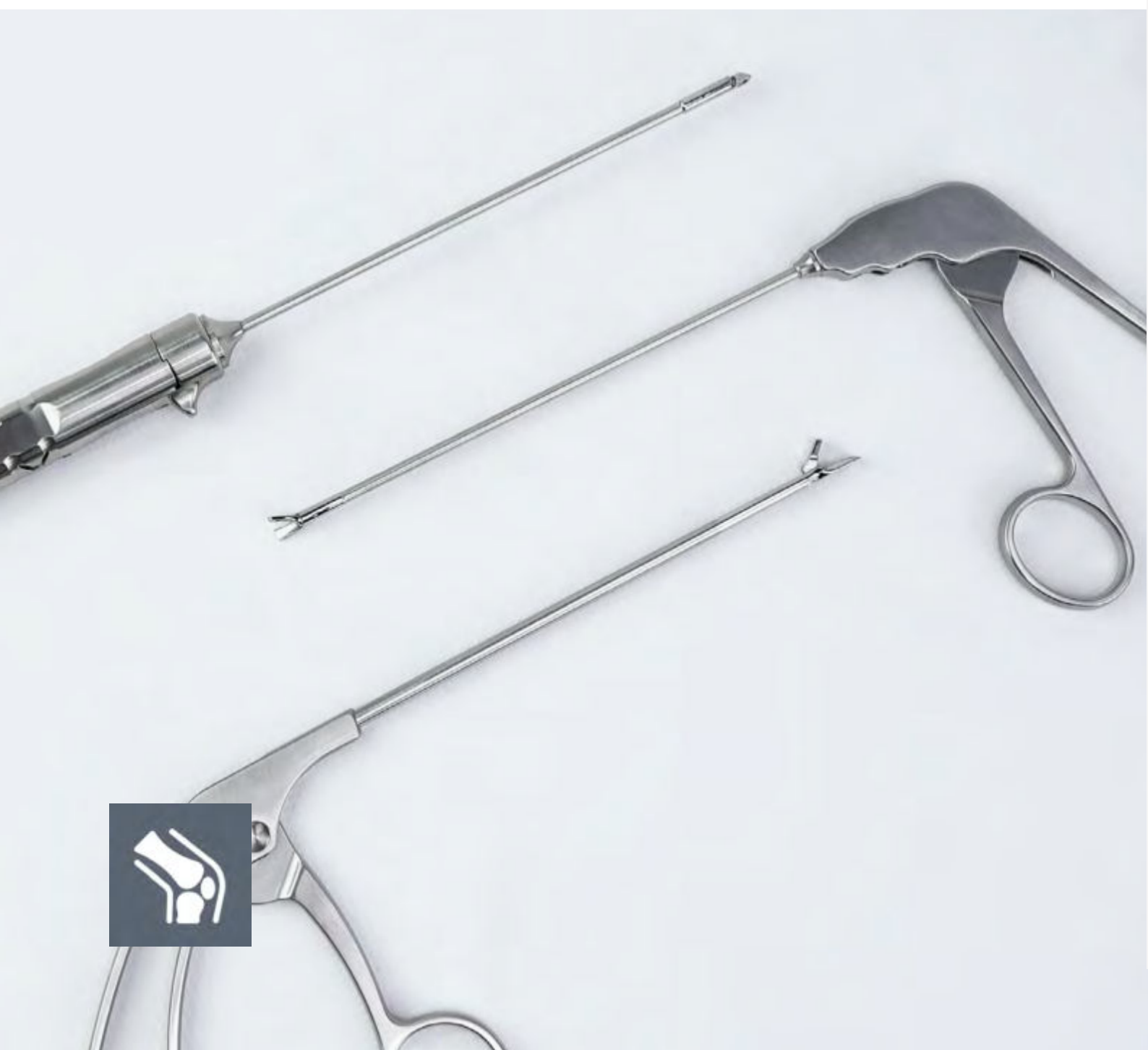
Knee Arthroscopy

Table of Contents

Slide Shaft Punches / **p. 52**

Tube Shaft Punches / **p. 70**

ACL / PCL Reconstruction / **p. 81**

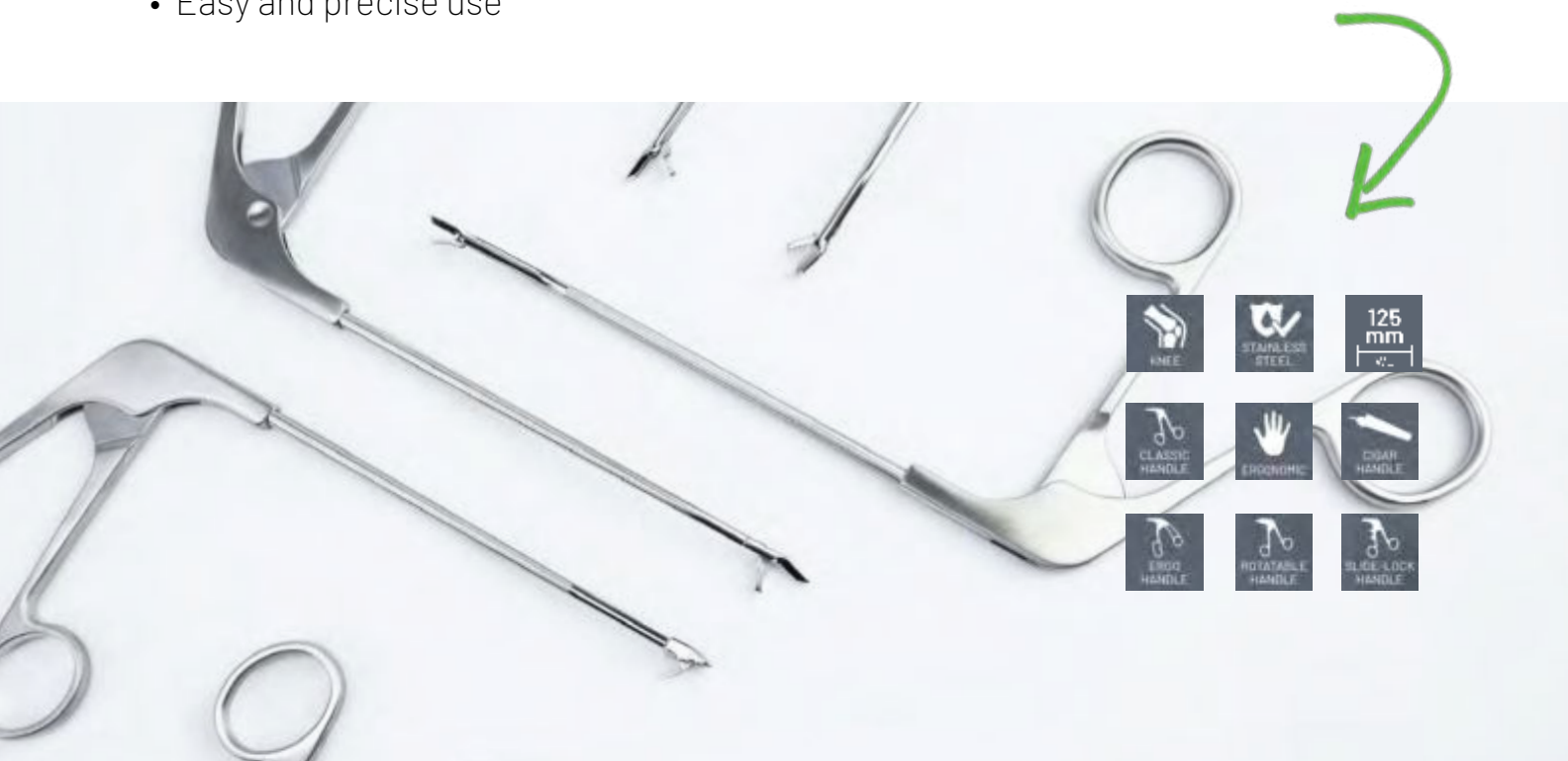




Slide Shaft Punches

Key Features

- **Multiple handle options** to meet every physician's preference and for optimized use of jaw
- Uniform and accurate **force distribution**
- **Precise cutting pattern** due to optimized punching gap dimensions in the jaw area
- **Maximum power transmission** through a pinless joint guide
- Easy and precise use



... more Features

- Wide range of punches and jaw patterns
- Long durability due to the use of high-quality stainless steels and polymers
- Conveniently cleanable and reprocessable due to skeletonized design, easily accessible





Duckbill Punches, Small



	Sheath	Tip profile	Bite width	Tip width	Item no.	
					Classic handle	Ergo handle
Duckbill punch, small, 125 mm	straight *	2.52 mm	2.50 mm	4.15 mm	17-3215	17-3215ERG
Duckbill punch, small, 125 mm	upswept	2.52 mm	2.50 mm	4.15 mm	17-3225	17-3225ERG

Duckbill Punches, Small, Upbiter



	Sheath	Tip profile	Bite width	Tip width	Item no.	
					Classic handle	Ergo handle
Duckbill punch, small, upbiter, 125 mm	straight *	2.52 mm	2.50 mm	4.15 mm	17-3216	17-3216ERG
Duckbill punch, small, upbiter, 125 mm	left curved	2.52 mm	2.50 mm	4.15 mm	17-3219	17-3219ERG
Duckbill punch, small, upbiter, 125 mm	right curved	2.52 mm	2.50 mm	4.15 mm	17-3220	17-3220ERG

Duckbill Punches, Medium



	Sheath	Tip profile	Bite width	Tip width	Item no.	
					Classic handle	Ergo handle
Duckbill punch, medium, 125 mm	straight *	2.52 mm	3.20 mm	5.05 mm	17-3020	17-3020ERG
Duckbill punch, medium, 125 mm	left curved	2.52 mm	3.20 mm	5.05 mm	17-3212	17-3212ERG
Duckbill punch, medium, 125 mm	right curved	2.52 mm	3.20 mm	5.05 mm	17-3213	17-3213ERG
Duckbill punch, medium, 125 mm	upswept	2.52 mm	3.20 mm	5.05 mm	17-3016	17-3016ERG

Duckbill Punches, Medium, Upbiter



	Sheath	Tip profile	Bite width	Tip width	Item no.	
					Classic handle	Ergo handle
Duckbill punch, medium, upbiter, 125 mm	straight *	2.52 mm	3.20 mm	5.05 mm	17-3021	17-3021ERG
Duckbill punch, medium, upbiter, 125 mm	left curved	2.52 mm	3.20 mm	5.05 mm	17-3022	17-3022ERG
Duckbill punch, medium, upbiter, 125 mm	right curved	2.52 mm	3.20 mm	5.05 mm	17-3023	17-3023ERG
Duckbill punch, medium, upbiter, 125 mm	upswept	2.52 mm	3.20 mm	5.05 mm	17-3210	17-3210ERG

Duckbill Punch, Large



	Tip profile	Bite width	Tip width	Item no.	
				Classic handle	Ergo handle
Duckbill punch, large, 125 mm	2.52 mm	4.50 mm	6.15 mm	17-3206	17-3206ERG

Duckbill Punch, Large, Upbiter



	Tip profile	Bite width	Tip width	Item no.	
				Classic handle	Ergo handle
Duckbill punch, large, upbiter, 125 mm	2.52 mm	4.50 mm	6.15 mm	17-3204	17-3204ERG



Basket Punches, Diagonal Cut, Upbiter



	Sheath	Tip profile	Bite width	Tip width	Item no.	
					Classic handle	Ergo handle
Basket punch , diagonal cut, upbiter, 125 mm	left curved *	2.52 mm	3.20 mm	5.05 mm	17-3192	17-3192ERG
Basket punch , diagonal cut, upbiter, 125 mm	right curved	2.52 mm	3.20 mm	5.05 mm	17-3191	17-3191ERG

Low Duckbill Punches, Small



	Sheath	Tip profile	Bite width	Tip width	Item no.	
					Classic handle	Ergo handle
Low Duckbill punch , small, 125 mm	straight *	1.93 mm	2.50 mm	4.15 mm	17-3227	17-3227ERG
Low Duckbill punch , small, 125 mm	left curved	1.93 mm	2.50 mm	4.15 mm	17-3228	17-3228ERG
Low Duckbill punch , small, 125 mm	right curved	1.93 mm	2.50 mm	4.15 mm	17-3218	17-3218ERG
Low Duckbill punch , small, 125 mm	upswept	1.93 mm	2.50 mm	4.15 mm	17-3226	17-3226ERG

Low Duckbill Punch, Small, Upbiter



		Tip profile	Bite width	Tip width	Item no.	
					Classic handle	Ergo handle
Low Duckbill punch , small, upbiter, 125 mm		1.93 mm	4.15 mm	4.15 mm	17-3217	17-3217ERG

Low Duckbill Punches, Medium



	Sheath	Tip profile	Bite width	Tip width	Item no.	
					Classic handle	Ergo handle
Low Duckbill punch, medium, 125 mm	straight *	1.93 mm	3.20 mm	5.00 mm	17-3040	17-3070
Low Duckbill punch, medium, 125 mm	left curved	1.93 mm	3.20 mm	5.00 mm	17-3042	17-3042ERG
Low Duckbill punch, medium, 125 mm	right curved	1.93 mm	3.20 mm	5.00 mm	17-3211	17-3211ERG
Low Duckbill punch, medium, 125 mm	upswept	1.93 mm	3.20 mm	5.00 mm	17-3044	17-3044ERG

Low Duckbill Punches, Medium, Upbiter



	Sheath	Tip profile	Bite width	Tip width	Item no.	
					Classic handle	Ergo handle
Low Duckbill punch, medium, upbiter, 125 mm	straight *	1.93 mm	3.20 mm	5.00 mm	17-3041	17-3041ERG
Low Duckbill punch, medium, upbiter, 125 mm	left curved	1.93 mm	3.20 mm	5.00 mm	17-3201	17-3201ERG
Low Duckbill punch, medium, upbiter, 125 mm	right curved	1.93 mm	3.20 mm	5.00 mm	17-3043	17-3043ERG
Low Duckbill punch, medium, upbiter, 125 mm	upswept	1.93 mm	3.20 mm	5.00 mm	17-3200	17-3200ERG

Low Duckbill Punches, Large



	Sheath	Tip profile	Bite width	Tip width	Item no.	
					Classic handle	Ergo handle
Low Duckbill punch, large, 125 mm	straight *	1.93 mm	4.50 mm	6.15 mm	17-3198	17-3198ERG
Low Duckbill punch, large, 125 mm	left curved	1.93 mm	4.50 mm	6.15 mm	17-3199	17-3199ERG
Low Duckbill punch, large, 125 mm	right curved	1.93 mm	4.50 mm	6.15 mm	17-3196	17-3196ERG
Low Duckbill punch, large, 125 mm	upswept	1.93 mm	4.50 mm	6.15 mm	17-3197	17-3197ERG



Low Duckbill Punch, Large, Upbiter



	Tip profile	Bite width	Tip width	Item no.	
				Classic handle	Ergo handle
Low Duckbill punch, large, upbiter, 125 mm	1.93 mm	4.50 mm	6.15 mm	17-3195	17-3195ERG

Low Duckbill Punch, Elevator



	Tip profile	Bite width	Tip width	Item no.	
				Classic handle	Ergo handle
Low Duckbill punch, elevator, 125 mm	1.93 mm	3.20 mm	5.00 mm	17-3194	17-3194ERG

Basket Punches, Slim Line



	Sheath	Tip profile	Bite width	Tip width	Item no.	
					Classic handle	Ergo handle
Basket punch, slim line, 125 mm	straight *	1.90 mm	1.80 mm	2.89 mm	17-3046	17-3046ERG
Basket punch, slim line, 125 mm	upswept	1.90 mm	1.80 mm	2.89 mm	17-3050	17-3050ERG

Basket Punches, Slim Line, Upbiter



	Sheath	Tip profile	Bite width	Tip width	Item no.	
					Classic handle	Ergo handle
Basket punch, slim line, upbiter, 125 mm	straight *	1.90 mm	1.80 mm	2.89 mm	17-3045	17-3045ERG
Basket punch, slim line, upbiter, 125 mm	left curved	1.90 mm	1.80 mm	2.89 mm	17-3048	17-3048ERG
Basket punch, slim line, upbiter, 125 mm	right curved	1.90 mm	1.80 mm	2.89 mm	17-3049	17-3049ERG

Basket Punches, Slim Line



	Jaw	Tip profile	Bite width	Tip width	Item no.	
					Classic handle	Ergo handle
Basket punch, slim line, 125 mm	45° left angled *	1.50 mm	1.80 mm	2.89 mm	17-3236	17-3236ERG
Basket punch, slim line, 125 mm	45° right angled	1.50 mm	1.80 mm	2.89 mm	17-3237	17-3237ERG

Basket Punches, Classic



	Sheath	Tip profile	Bite width	Tip width	Item no.	
					Classic handle	Ergo handle
Basket punch, classic, 125 mm	straight *	1.10 mm	1.80 mm	3.25 mm	17-3025	17-3025ERG
Basket punch, classic, 125 mm	upswept	1.10 mm	1.80 mm	3.25 mm	17-3235	17-3235ERG
Basket punch, classic, 125 mm	left curved	1.30 mm	1.80 mm	3.25 mm	17-3036	17-3036ERG
Basket punch, classic, 125 mm	right curved	1.30 mm	1.80 mm	3.25 mm	17-3037	17-3037ERG



Basket Punches, Classic, Upbiter



	Sheath	Tip profile	Bite width	Tip width	Item no.	
					Classic handle	Ergo handle
Basket punch , classic, upbiter, 125 mm	straight *	1.60 mm	1.80 mm	3.27 mm	17-3026	17-3026ERG
Basket punch , classic, upbiter, 125 mm	left curved	1.60 mm	1.80 mm	3.27 mm	17-3038	17-3038ERG
Basket punch , classic, upbiter, 125 mm	right curved	1.60 mm	1.80 mm	3.27 mm	17-3039	17-3039ERG

Basket Punches, Classic



	Sheath	Tip profile	Bite width	Tip width	Item no.	
					Classic handle	Ergo handle
Basket punch , classic, 125 mm	upswept *	1.30 mm	1.80 mm	3.50 mm	17-3027	17-3027ERG
Basket punch , classic, 125 mm	straight	1.60 mm	1.80 mm	3.50 mm	17-3030	17-3030ERG

Basket Punches, Slim Line



	Sheath	Tip profile	Bite width	Tip width	Item no.	
					Classic handle	Ergo handle
Basket punch , slim line, 125 mm	straight *	1.90 mm	1.80 mm	2.89 mm	17-3046	17-3046ERG
Basket punch , slim line, 125 mm	upswept	1.90 mm	1.80 mm	2.89 mm	17-3050	17-3050ERG

Basket Punch, Classic, Downbiter



	Tip profile	Bite width	Tip width	Item no.	
				Classic handle	Ergo handle
Basket punch, classic, downbiter, 125 mm	1.30 mm	1.80 mm	3.27 mm	17-3029	17-3029ERG

Basket Punches, Classic



	Sheath	Tip profile	Bite width	Tip width	Item no.	
					Classic handle	Ergo handle
Basket punch, classic, 125 mm	upswept *	1.60 mm	1.80 mm	3.88 mm	17-3028	17-3028ERG
Basket punch, classic, 125 mm	straight	2.50 mm	1.80 mm	3.58 mm	17-3018	17-3018ERG
Basket punch, classic, 125 mm	straight	3.00 mm	1.80 mm	3.76 mm	17-3019	17-3019ERG

Basket Punch, Classic, Upbiter



	Tip profile	Bite width	Tip width	Item no.	
				Classic handle	Ergo handle
Basket punch, classic, upbiter, 125 mm	2.28 mm	1.70 mm	3.88 mm	17-3024	17-3024ERG



Basket Punch, Short Cut



	Tip profile	Bite width	Tip width	Item no.	
				Classic handle	Ergo handle
Basket punch, short cut, 125 mm	1.83 mm	1.80 mm	3.32 mm	17-3234	17-3234ERG

Oval Punches



	Sheath	Tip profile	Bite width	Tip width	Item no.	
					Classic handle	Ergo handle
Oval punch, 125 mm	straight *	1.65 mm	4.40 mm	6.57 mm	17-3063	17-3068
Oval punch, 125 mm	left curved	1.65 mm	4.40 mm	6.57 mm	17-3064	17-3064ERG
Oval punch, 125 mm	right curved	1.65 mm	4.40 mm	6.57 mm	17-3065	17-3065ERG
Oval punch, 125 mm	upswept	1.65 mm	4.40 mm	6.57 mm	17-3066	17-3066ERG

Oval Punches, Upbiter



	Sheath	Tip profile	Bite width	Tip width	Item no.	
					Classic handle	Ergo handle
Oval punch, upbiter, 125 mm	straight *	1.65 mm	4.40 mm	6.57 mm	17-3062	17-3069
Oval punch, upbiter, 125 mm	left curved	1.65 mm	4.40 mm	6.57 mm	17-3245	17-3245ERG
Oval punch, upbiter, 125 mm	right curved	1.65 mm	4.40 mm	6.57 mm	17-3246	17-3246ERG
Oval punch, upbiter, 125 mm	upswept	1.65 mm	4.40 mm	6.57 mm	17-3247	17-3247ERG

Meniscal Elevator



	Tip profile	Bite width	Tip width	Item no.	
				Classic handle	Ergo handle
Meniscal elevator , 125 mm	1.90 mm	1.80 mm	3.20 mm	17-3053	17-3053ERG

Meniscal Elevator, Upbiter



	Tip profile	Bite width	Tip width	Item no.	
				Classic handle	Ergo handle
Meniscal elevator , upbiter, 125 mm	1.90 mm	1.80 mm	3.20 mm	17-3054	17-3054ERG

Basket Punches, Blunt



	Sheath	Tip profile	Bite width	Tip width	Item no.	
					Classic handle	Ergo handle
Basket punch , blunt, 125 mm	straight *	1.83 mm	1.80 mm	3.32 mm	17-3031	17-3031ERG
Basket punch , blunt, 125 mm	upswept	1.83 mm	1.80 mm	3.32 mm	17-3238	17-3238ERG
Basket punch , blunt, 125 mm	left curved	1.83 mm	1.80 mm	3.32 mm	17-3240	17-3240ERG
Basket punch blunt, 125 mm	right curved	1.83 mm	1.80 mm	3.32 mm	17-3241	17-3241ERG



Posterior Punches



	Sheath	Tip profile	Bite width	Tip width	Item no.	
					Classic handle	Ergo handle
Posterior punch, 125 mm	straight *	2.46 mm	2.20 mm	4.00 mm	17-3057	17-3057ERG
Posterior punch, 125 mm	left curved	2.46 mm	2.20 mm	4.00 mm	17-3058	17-3058ERG
Posterior punch, 125 mm	right curved	2.46 mm	2.20 mm	4.00 mm	17-3059	17-3059ERG
Posterior punch, 125 mm	upswept	2.46 mm	2.20 mm	4.00 mm	17-3056	17-3056ERG

Posterior Punches, Upbiter



	Sheath	Tip profile	Bite width	Tip width	Item no.	
					Classic handle	Ergo handle
Posterior punch, upbiter, 125 mm	straight *	2.46 mm	2.20 mm	4.00 mm	17-3055	17-3055ERG
Posterior punch, upbiter, 125 mm	left curved	2.46 mm	2.20 mm	4.00 mm	17-3250	17-3250ERG
Posterior punch, upbiter, 125 mm	right curved	2.46 mm	2.20 mm	4.00 mm	17-3251	17-3251ERG

Backbiters



	Cut	Tip profile	Bite width	Tip width	Item no.	
					Classic handle	Ergo handle
Backbiter, 125 mm	left cut	3.93 mm	2.30 mm	5.58 mm	17-3052	17-3052ERG
Backbiter, 125 mm	right cut *	3.93 mm	2.30 mm	5.58 mm	17-3051	17-3051ERG

Rotary Basket Punches



	Jaw	Tip profile	Bite width	Tip width	Item no.	
					Rotatable handle	Cigar handle
Rotary basket punch	90° left	1.60 mm	2.20 mm	4.10 mm	17-3072	17-3008
Rotary basket punch	90° right	1.60 mm	2.20 mm	4.10 mm	17-3073	17-3009
Rotary basket punch	90° left *	1.60 mm	3.40 mm	5.30 mm	17-3082	17-3006
Rotary basket punch	90° right	1.60 mm	3.40 mm	5.30 mm	17-3083	17-3007

Scissor Punches



	Sheath	Tip profile	Bite width	Tip width	Item no.	
					Classic handle	Ergo handle
Scissor punch, 125 mm	straight *	2.20 mm	1.10 mm	2.80 mm	17-3032	17-3032ERG
Scissor punch, 125 mm	left curved	2.20 mm	1.10 mm	2.80 mm	17-3262	17-3262ERG
Scissor punch, 125 mm	right curved	2.20 mm	1.10 mm	2.80 mm	17-3263	17-3263ERG

Scissor Punches, Upbiter



	Sheath	Tip profile	Bite width	Tip width	Item no.	
					Classic handle	Ergo handle
Scissor punch, upbiter, 125 mm	straight	2.20 mm	1.10 mm	2.80 mm	17-3033	17-3033ERG
Scissor punch, upbiter, 125 mm	left curved *	2.20 mm	1.10 mm	2.80 mm	17-3034	17-3034ERG
Scissor punch, upbiter, 125 mm	right curved	2.20 mm	1.10 mm	2.80 mm	17-3035	17-3035ERG



Hook Scissors



	Sheath	Item no.	
		Classic handle	Ergo handle
Hook scissors, 125 mm	straight *	17-3190	17-3190ERG
Hook scissors, 125 mm	12° left	17-3230	17-3230ERG
Hook scissors, 125 mm	12° right	17-3231	17-3231ERG

Rotary Scissors, 20°



	Jaw	Item no.	
		Rotatable handle	Cigar handle
Rotary scissors, 125 mm	20° left angled	17-3071	17-3000
Rotary scissors, 125 mm	20° right angled *	17-3260	17-3001

Rotary Scissors, Serrated, 20°



	Jaw	Item no.	
		Rotatable handle	Cigar handle
Rotary scissors, serrated, 125 mm	20° left angled	17-3257	17-3004
Rotary scissors, serrated, 125 mm	20° right angled *	17-3258	17-3005

Rotary Scissors, 60°



	Jaw	Item no.	
		Rotatable handle	Cigar handle
Rotary scissors, 125 mm	60° left angled *	17-3255	17-3002
Rotary scissors, 125 mm	60° right angled	17-3256	17-3003

Grasper, Raptor-Style



		Item no.		
		Classic handle	Ergo handle	Slide-lock handle
Grasper, raptor-style, 125 mm		17-3060	17-3060ERG	17-3280

Grasper, 1x2 Teeth



		Item no.	
		Classic handle	Slide-lock handle
Grasper, 1x2 teeth, 125 mm		17-3214	17-3014



Graspers, Cupped, Serrated



	Jaw width	Item no.	
		Classic handle	Slide-lock handle
Graspers, cupped, serrated, 125 mm	2.7 mm *	17-4025	17-3010
Graspers, cupped, serrated, 125 mm	3.4 mm	17-4026	17-3011

Alligator Graspers



	Sheath	Item no.	
		Classic handle	Slide-lock handle
Alligator graspers, 2.7 mm, 125 mm	straight *	17-3182	17-3183
Alligator graspers, 2.7 mm, 125 mm	upswept	17-3184	17-3185

Alligator Graspers, Upbiter



	Sheath	Item no.	
		Classic handle	Slide-lock handle
Alligator graspers, 2.7 mm, upbiter, 125 mm	straight *	17-3180	17-3012
Alligator graspers, 2.7 mm, upbiter, 125 mm	upswept	17-3181	17-3013

Alligator Graspers



	Sheath	Item no.	
		Classic handle	Slide-lock handle
Alligator grasper, 3.2 mm jaw width, 125 mm	straight *	17-3188	17-3015
Alligator grasper, 3.2 mm jaw width, 125 mm	upswept	17-3189	17-3187

Tissue Graspers



	Channel	Item no.	
		Classic handle	Slide-lock handle
Tissue grasper, 125 mm	w/o *	17-3275	17-3276
Tissue grasper, 125 mm	with 2 mm	17-3273	17-3274

Axial Grasping Forceps



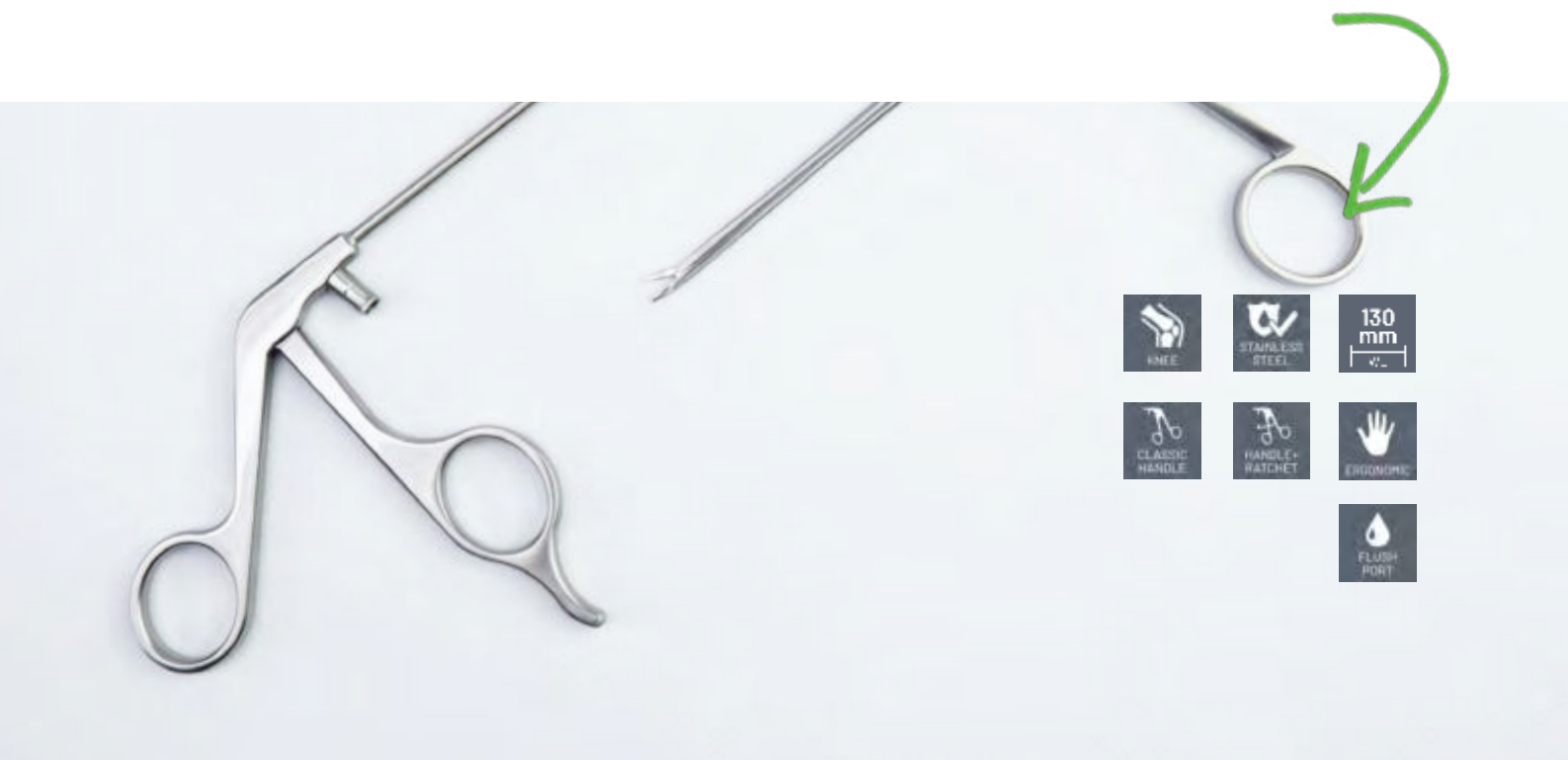
	Jaw	Item no.
		Handle with ratchet
Axial grasping forceps, 1x2 teeth, with ratchet, 190 mm	straight	17-1860
Axial grasping forceps, 1x2 teeth, with ratchet, 190 mm	left curved *	17-1870
Axial grasping forceps, 1x2 teeth, with ratchet, 190 mm	right curved	17-1865



Tube Shaft Punches

Key Features

- **Multiple handle options** to meet every physician's preference and for optimized use of jaw
- Uniform and accurate **force distribution**
- **Optimized and efficient cleaning** due to conveniently positioned flush port
- **Long durability** due to the use of high-quality stainless steels and polymers



... more Features

- Easy and precise use
- Wide range of punches and jaw patterns





Basket Punches



	Sheath	Bite width	Item no.	
			Ø 2.7 mm	Ø 3.5 mm
Basket punch, 130 mm	straight *	1.6 mm	17-4310	17-4110
Basket punch, 130 mm	30° right curved	1.6 mm	17-4311	17-4111
Basket punch, 130 mm	30° left curved	1.6 mm	17-4312	17-4112
Basket punch, 130 mm	45° right curved	1.6 mm	17-4313	17-4113
Basket punch, 130 mm	45° left curved	1.6 mm	17-4314	17-4114
Basket punch, 130 mm	7° upswept	1.6 mm	17-4315	17-4115
Basket punch, 130 mm	7° downswept	1.6 mm	17-4316	17-4116
Basket punch, 130 mm	15° upswept	1.6 mm	17-4317	17-4117
Basket punch, 130 mm	15° downswept	1.6 mm	17-4318	17-4118

Basket Punches, Blunt



	Sheath	Bite width	Item no.	
			Ø 2.7 mm	Ø 3.5 mm
Basket punch, blunt, 130 mm	straight *	1.6 mm	17-4320	17-4120
Basket punch, blunt, 130 mm	30° right curved	1.6 mm	17-4321	17-4121
Basket punch, blunt, 130 mm	30° left curved	1.6 mm	17-4322	17-4122
Basket punch, blunt, 130 mm	45° right curved	1.6 mm	17-4323	17-4123
Basket punch, blunt, 130 mm	45° left curved	1.6 mm	17-4324	17-4124
Basket punch, blunt, 130 mm	7° upswept	1.6 mm	17-4325	17-4125
Basket punch, blunt, 130 mm	7° downswept	1.6 mm	17-4326	17-4126
Basket punch, blunt, 130 mm	15° upswept	1.6 mm	17-4327	17-4127
Basket punch, blunt, 130 mm	15° downswept	1.6 mm	17-4328	17-4128

Basket Punches, Jaws Angled



	Jaws	Bite width	Item no. Ø 3.5 mm
Basket punch, jaws angled, 130 mm	45° left angled *	1.6 mm	17-4130
Basket punch, jaws angled, 130 mm	45° right angled	1.6 mm	17-4132

Basket Punches, Jaws Angled, Small



	Jaws	Bite width	Item no. Ø 3.5 mm
Basket punch, jaws angled, small, 130 mm	90° left angled	1.6 mm	17-4135
Basket punch, jaws angled, small, 130 mm	90° right angled *	1.6 mm	17-4137

Basket Punches, Jaws Angled, Blunt



	Jaws	Bite width	Item no. Ø 3.5 mm
Basket punch, jaws angled, blunt, 130 mm	45° left angled *	1.6 mm	17-4140
Basket punch, jaws angled, blunt, 130 mm	45° right angled	1.6 mm	17-4142



Basket Punches, Jaws Angled, Blunt, Small



	Jaws	Bite width	Item no. Ø 3.5 mm
Basket punch , jaws angled, blunt, small, 130 mm	90° left angled	1.6 mm	17-4145
Basket punch , jaws angled, blunt, small, 130 mm	90° right angled *	1.6 mm	17-4147

Duckbill Punches, Slim, Blunt



	Jaws	Bite width	Item no. Ø 3.5 mm
Duckbill punch , slim, blunt, 130 mm	straight *	2.5 mm	17-4150
Duckbill punch , slim, blunt, 130 mm	30° right curved	2.5 mm	17-4151
Duckbill punch , slim, blunt, 130 mm	30° left curved	2.5 mm	17-4152
Duckbill punch , slim, blunt, 130 mm	45° right curved	2.5 mm	17-4153
Duckbill punch , slim, blunt, 130 mm	45° left curved	2.5 mm	17-4154
Duckbill punch , slim, blunt, 130 mm	7° upswept	2.5 mm	17-4155
Duckbill punch , slim, blunt, 130 mm	7° downswept	2.5 mm	17-4156
Duckbill punch , slim, blunt, 130 mm	15° upswept	2.5 mm	17-4157
Duckbill punch , slim, blunt, 130 mm	15° downswept	2.5 mm	17-4158

Duckbill Punches, Medium



	Sheath	Bite width	Item no. Ø 3.5 mm
Duckbill punch, medium, 130 mm	straight *	3.5 mm	17-4160
Duckbill punch, medium, 130 mm	30° right curved	3.5 mm	17-4161
Duckbill punch, medium, 130 mm	30° left curved	3.5 mm	17-4162
Duckbill punch, medium, 130 mm	45° right curved	3.5 mm	17-4163
Duckbill punch, medium, 130 mm	45° left curved	3.5 mm	17-4164
Duckbill punch, medium, 130 mm	7° upswept	3.5 mm	17-4165
Duckbill punch, medium, 130 mm	7° downswept	3.5 mm	17-4166
Duckbill punch, medium, 130 mm	15° upswept	3.5 mm	17-4167
Duckbill punch, medium, 130 mm	15° downswept	3.5 mm	17-4168

Duckbill Punches, Large



	Sheath	Bite width	Item no. Ø 3.5 mm
Duckbill punch, large, 130 mm	straight *	4.5 mm	17-4170
Duckbill punch, large, 130 mm	30° right curved	4.5 mm	17-4171
Duckbill punch, large, 130 mm	30° left curved	4.5 mm	17-4172
Duckbill punch, large, 130 mm	45° right curved	4.5 mm	17-4173
Duckbill punch, large, 130 mm	45° left curved	4.5 mm	17-4174
Duckbill punch, large, 130 mm	7° upswept	4.5 mm	17-4175
Duckbill punch, large, 130 mm	7° downswept	4.5 mm	17-4176
Duckbill punch, large, 130 mm	15° upswept	4.5 mm	17-4177
Duckbill punch, large, 130 mm	15° downswept	4.5 mm	17-4178



Posterior Duckbill Punches, Slim, Blunt



	Sheath	Bite width	Item no. Ø 3.5 mm
Posterior Duckbill punch, slim, blunt, 130 mm	straight *	2.5 mm	17-4200
Posterior Duckbill punch, slim, blunt, 130 mm	30° right curved	2.5 mm	17-4201
Posterior Duckbill punch, slim, blunt, 130 mm	30° left curved	2.5 mm	17-4202
Posterior Duckbill punch, slim, blunt, 130 mm	45° right curved	2.5 mm	17-4203
Posterior Duckbill punch, slim, blunt, 130 mm	45° left curved	2.5 mm	17-4204
Posterior Duckbill punch, slim, blunt, 130 mm	7° upswept	2.5 mm	17-4205
Posterior Duckbill punch, slim, blunt, 130 mm	7° downswept	2.5 mm	17-4206
Posterior Duckbill punch, slim, blunt, 130 mm	15° upswept	2.5 mm	17-4207
Posterior Duckbill punch, slim, blunt, 130 mm	15° downswept	2.5 mm	17-4208

Posterior Duckbill Punches, Medium



	Sheath	Bite width	Item no. Ø 3.5 mm
Posterior Duckbill punch, medium, 130 mm	straight *	3.5 mm	17-4180
Posterior Duckbill punch, medium, 130 mm	30° right curved	3.5 mm	17-4181
Posterior Duckbill punch, medium, 130 mm	30° left curved	3.5 mm	17-4182
Posterior Duckbill punch, medium, 130 mm	45° right curved	3.5 mm	17-4183
Posterior Duckbill punch, medium, 130 mm	45° left curved	3.5 mm	17-4184
Posterior Duckbill punch, medium, 130 mm	7° upswept	3.5 mm	17-4185
Posterior Duckbill punch, medium, 130 mm	7° downswept	3.5 mm	17-4186
Posterior Duckbill punch, medium, 130 mm	15° upswept	3.5 mm	17-4187
Posterior Duckbill punch, medium, 130 mm	15° downswept	3.5 mm	17-4188

Posterior Duckbill Punches, Large



	Sheath	Bite width	Item no. Ø 3.5 mm
Posterior Duckbill punch, large, 130 mm	straight *	4.5 mm	17-4190
Posterior Duckbill punch, large, 130 mm	30° right curved	4.5 mm	17-4191
Posterior Duckbill punch, large, 130 mm	30° left curved	4.5 mm	17-4192
Posterior Duckbill punch, large, 130 mm	45° right curved	4.5 mm	17-4193
Posterior Duckbill punch, large, 130 mm	45° left curved	4.5 mm	17-4194
Posterior Duckbill punch, large, 130 mm	7° upswept	4.5 mm	17-4195
Posterior Duckbill punch, large, 130 mm	7° downswept	4.5 mm	17-4196
Posterior Duckbill punch, large, 130 mm	15° upswept	4.5 mm	17-4197
Posterior Duckbill punch, large, 130 mm	15° downswept	4.5 mm	17-4198

Scissor Punches "Slender"



	Sheath	Bite width	Item no. Ø 3.5 mm
Scissor punch "Slender", 130 mm	straight *	0.8 mm	17-4210
Scissor punch "Slender", 130 mm	30° right curved	0.8 mm	17-4211
Scissor punch "Slender", 130 mm	30° left curved	0.8 mm	17-4212
Scissor punch "Slender", 130 mm	45° right curved	0.8 mm	17-4213
Scissor punch "Slender", 130 mm	45° left curved	0.8 mm	17-4214
Scissor punch "Slender", 130 mm	7° upswept	0.8 mm	17-4215
Scissor punch "Slender", 130 mm	7° downswept	0.8 mm	17-4216
Scissor punch "Slender", 130 mm	15° upswept	0.8 mm	17-4217
Scissor punch "Slender", 130 mm	15° downswept	0.8 mm	17-4218



Posterior Scissor Punches "Slender"



	Sheath	Bite width	Item no. Ø 3.5 mm
Posterior scissor punch "Slender", 130 mm	straight *	0.8 mm	17-4220
Posterior scissor punch "Slender", 130 mm	30° right curved	0.8 mm	17-4221
Posterior scissor punch "Slender", 130 mm	30° left curved	0.8 mm	17-4222
Posterior scissor punch "Slender", 130 mm	45° right curved	0.8 mm	17-4223
Posterior scissor punch "Slender", 130 mm	45° left curved	0.8 mm	17-4224
Posterior scissor punch "Slender", 130 mm	7° upswept	0.8 mm	17-4225
Posterior scissor punch "Slender", 130 mm	7° downswept	0.8 mm	17-4226
Posterior scissor punch "Slender", 130 mm	15° upswept	0.8 mm	17-4227
Posterior scissor punch "Slender", 130 mm	15° downswept	0.8 mm	17-4228

Hook Scissors



	Sheath	Item no.	
		Ø 2.7 mm	Ø 3.5 mm
Hook scissors, 130 mm	straight *	17-4430	17-4230
Hook scissors, 130 mm	30° right curved	17-4431	17-4231
Hook scissors, 130 mm	30° left curved	17-4432	17-4232
Hook scissors, 130 mm	45° right curved	17-4433	17-4233
Hook scissors, 130 mm	45° left curved	17-4434	17-4234
Hook scissors, 130 mm	7° upswept	17-4435	17-4235
Hook scissors, 130 mm	7° downswept	17-4436	17-4236
Hook scissors, 130 mm	15° upswept	17-4437	17-4237
Hook scissors, 130 mm	15° downswept	17-4438	17-4238

Hook Scissors, Jaws Angled



	Jaws	Item no. Ø 3.5 mm
Hook scissors, jaws angled, 130 mm	45° left angled *	17-4240
Hook scissors, jaws angled, 130 mm	45° right angled	17-4241

Alligator Graspers



	Jaw width	Item no.	
		Handle w/o ratchet	Handle with ratchet
Alligator grasper, 130 mm	2.7 mm	17-4292	17-4291
Alligator grasper, 130 mm	3.5 mm	17-4092	17-4091

Grasper, 1x2 Teeth



	Jaw width	Item no.	
		Handle w/o ratchet	Handle with ratchet
Grasper, 1x2 teeth, 130 mm	3.5 mm	17-4294	17-4293



Biopsy & Grasping Forceps



	Jaw width	Item no.	
		Handle w/o ratchet	Handle with ratchet
Biopsy & grasping forceps, 130 mm	3.5 mm	17-4296	17-4295

ACL / PCL Reconstruction

Tray Specifications

TRAY A

- Drill Guide System
- Tunnel Dilators
- Cannulated Tibial Reamers
- Cannulated Femoral Reamers
- Endoscopic Reamers
- Guide Wire Screws

TRAY B

- Microfracture Chondro Picks
- Impactors
- Transtibial Femoral Aimer
- PCL Rasp and Elevators
- Tendon Strippers
- Arthroscopic Probes

TRAY C

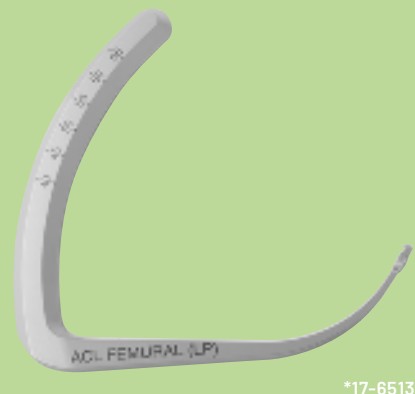
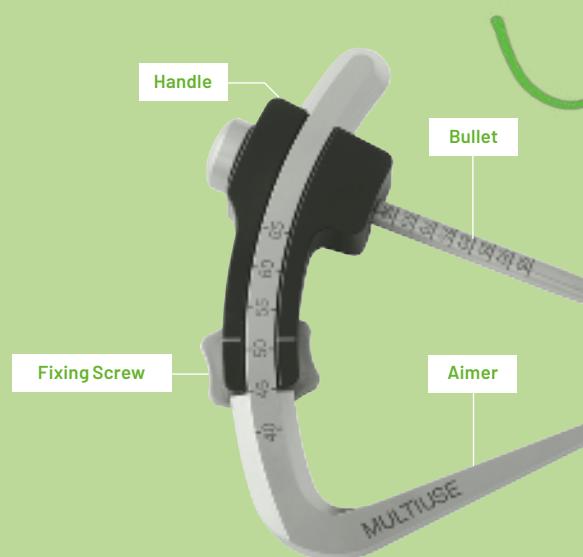
- Graft Preparation Station
- Graft Sizing Block
- Tunnel Plugs
- Tendon Strippers
- Cannulated Screwdriver
- Depth Gauges

The Drill Guide System

The femoral ACL aiming hook adapts to the anatomy of each patient and offers the user

- **Flexibility**
- **Precision**
- **Control**

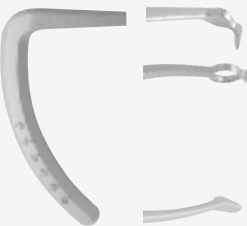
For the anterior cruciate ligament reconstruction, the angle of the aimer and the bullet can be set precisely. The length of the tibial drill canal can be read off the bullet before drilling and varied if necessary.





TRAY A

Drill Guide System



ACL / PCL handle

ACL / PCL bullet, 2.4 mm

ACL / PCL bullet, 3.5 mm

ACL / PCL tibial marking hook drill guide

ACL / PCL femoral marking hook drill guide

ACL / PCL femoral aimer

ACL / PCL tibial aimer

ACL / PCL femoral (LP) aimer

ACL / PCL femoral (RP) aimer

ACL / PCL femoral marking hook, curved

ACL / PCL multiuse aimer

Item no.

17-6510

17-6578-24

17-6578-35

17-6805

17-6806

17-6512

17-6511

17-6513

17-6514

17-6515

17-6504

TRAY A

Tunnel Dilators, Cannulated



	Diameter	Item no.
Tunnel dilator, cannulated, for use with T-handle	Ø 6 - 7 mm	17-6867
Tunnel dilator, cannulated, for use with T-handle	Ø 7 - 8 mm	17-6878
Tunnel dilator, cannulated, for use with T-handle	Ø 8 - 9 mm	17-6889
Tunnel dilator, cannulated, for use with T-handle	Ø 9 - 10 mm	17-6890
Tunnel dilator, cannulated, for use with T-handle	Ø 10 - 11 mm	17-6891
Tunnel dilator, cannulated, for use with T-handle	Ø 11 - 12 mm	17-6892

TRAY A

T-Handle for Tunnel Dilators



	Item no.
T-handle for tunnel dilators	17-6800

Tibial Drills, Cannulated



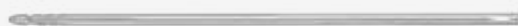
	Diameter	Item no.
Tibial drill, cannulated	Ø 6 mm	17-6260
Tibial drill, cannulated	Ø 7 mm	17-6270
Tibial drill, cannulated	Ø 8 mm	17-6280
Tibial drill, cannulated	Ø 9 mm	17-6290
Tibial drill, cannulated	Ø 10 mm	17-6210
Tibial drill, cannulated	Ø 11 mm	17-6211
Tibial drill, cannulated	Ø 12 mm	17-6212

Endoscopic Reamers, Cannulated



	Diameter	Item no.
Endoscopic reamer, cannulated	Ø 4.7 mm	17-6347
Endoscopic reamer, cannulated	Ø 5.2 mm	17-6352
Endoscopic reamer, cannulated	Ø 5.6 mm	17-6356

Drill / Graft Passing Guide Pins



	Item no.
Drill bit, Ø 2.4 mm	17-6324
Pin drill bit	17-6301
Pin diamond tip	17-6302



TRAY A

Femoral Reamers, Cannulated



	Diameter	Item no.
Femoral reamer, cannulated	Ø 6 mm	17-6460
Femoral reamer, cannulated	Ø 7 mm	17-6470
Femoral reamer, cannulated	Ø 8 mm	17-6480
Femoral reamer, cannulated	Ø 9 mm	17-6490
Femoral reamer, cannulated	Ø 10 mm	17-6410
Femoral reamer, cannulated	Ø 11 mm	17-6411
Femoral reamer, cannulated	Ø 12 mm	17-6412

TRAY A

Guide Wire for Screws



	Item no.
Guide wire, for screws, Ø 2 mm	17-6320

TRAY B

Rasps



	Type	Item no.
Rasp	straight	17-1839S
Rasp	convex	17-1839C
Rasp	half-round	17-1839H

Silicone handle

TRAY B

Chondro Picks



		Tip type	Item no. Silicone handle
	Chondro pick, Ø 6 mm, 125 mm	straight	17-1838S
	Chondro pick, Ø 6 mm, 125 mm	25° angled	17-1838S-25
	Chondro pick, Ø 6 mm, 125 mm	40° angled	17-1838S-40
	Chondro pick, Ø 6 mm, 125 mm	60° angled	17-1838S-60
	Chondro pick, Ø 6 mm, 125 mm	90° angled	17-1838S-90

TRAY B

Curette



	Item no. Silicone handle
Curette, 25° angled	17-1814-6S-215

TRAY B

Femoral Aimers

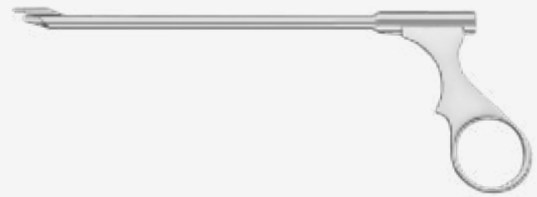


	Diameter	Item no. Silicone handle
Femoral aimer	Ø 5 mm	17-1846-5
Femoral aimer	Ø 6 mm	17-1846-6
Femoral aimer	Ø 7 mm	17-1846-7



TRAY B

Transportal Femoral Aimers



	Diameter	Item no.
Transportal femoral aimer	Ø 5 mm	17-1847-5
Transportal femoral aimer	Ø 6 mm	17-1847-6
Transportal femoral aimer	Ø 7 mm	17-1847-7

TRAY B

PCL Elevator



	Item no.
	Silicone handle
PCL elevator	17-1848

TRAY B

Tendon Strippers, Closed



	Diameter	Item no.
		Silicone handle
Tendon stripper, closed	Ø 7 mm	17-1849-7
Tendon stripper, closed	Ø 8 mm	17-1849-8
Tendon stripper, closed	Ø 9 mm	17-1849-9

TRAY C

Tendon Strippers, Open



	Diameter	Item no. Silicone handle
Tendon stripper, open	Ø 7 mm	17-1850-7
Tendon stripper, open	Ø 8 mm	17-1850-8
Tendon stripper, open	Ø 9 mm	17-1850-9

TRAY B

Hook Probe



	Item no. Triangular handle
Hook probe, pointed	17-1824DK

TRAY B

Impactor



	Item no.
Impactor for spiked ligament staple	17-6501



TRAY C

Graft Preparation Station



Graft preparation station

Item no.

17-6500

TRAY C

Depth Gauges



Depth gauge for measuring the total length of the femoral channel

Item no.

17-1851

TRAY C

Screw Driver, Cannulated



Screw driver, cannulated

Item no.

17-1852

TRAY C

Graft Sizing Blocks



	Type	Item no.
Graft sizing block A, in 1 mm steps	Ø 6 - 12 mm	17-6954
Graft sizing block B, in 1 mm steps	Ø 6.5 - 11.5 mm	17-6888

TRAY C

Tunnel Plugs



	Diameter	Item no.
Tunnel plugs	Ø 7 - 8 mm	17-6257
Tunnel plugs	Ø 8 - 9 mm	17-6258
Tunnel plugs	Ø 9 - 10 mm	17-6259



Hip Arthroscopy

Table of Contents

Punches / **p. 93**

Grasping Forceps / **p. 95**

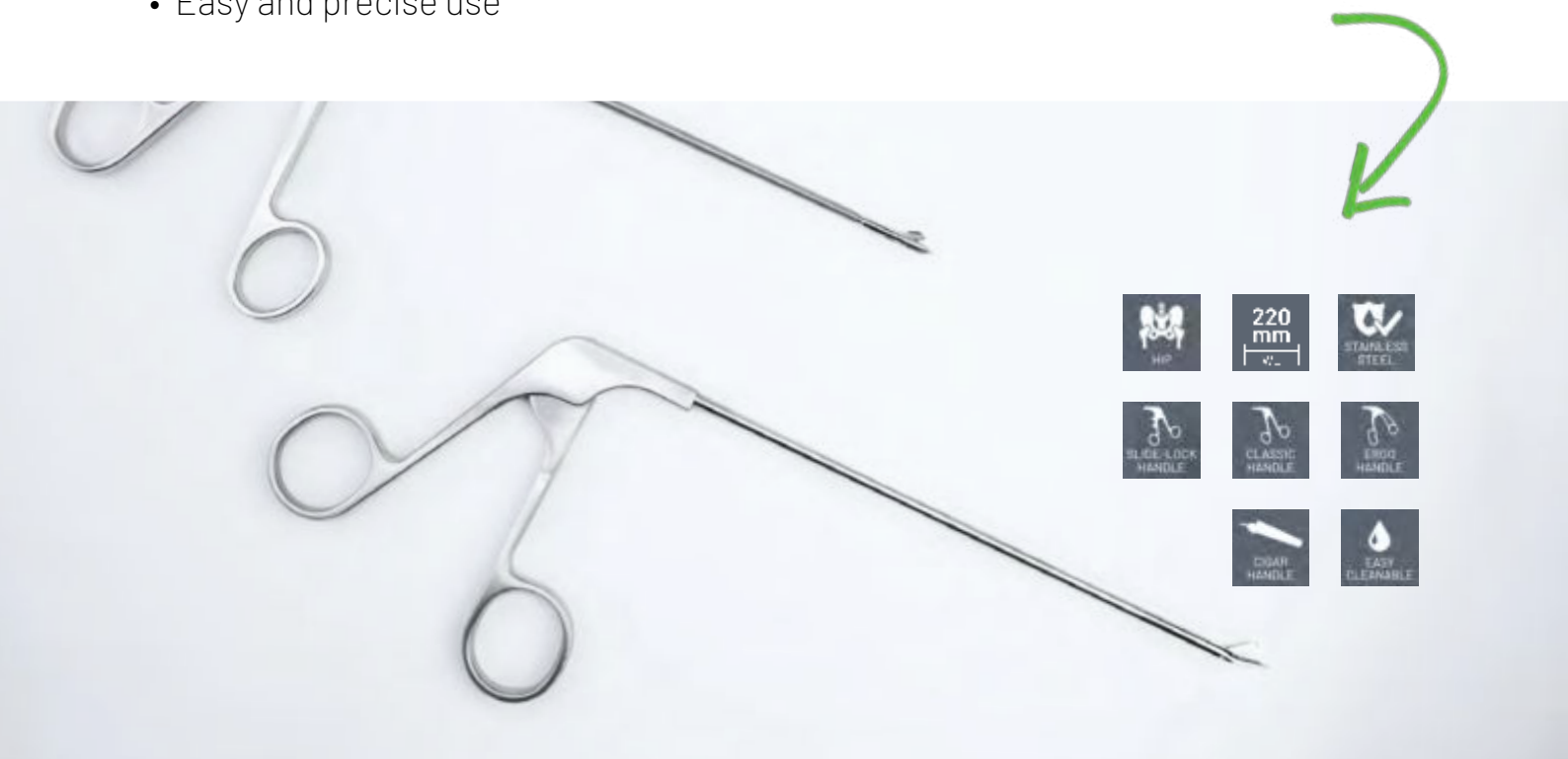




Hip Arthroscopy Instruments

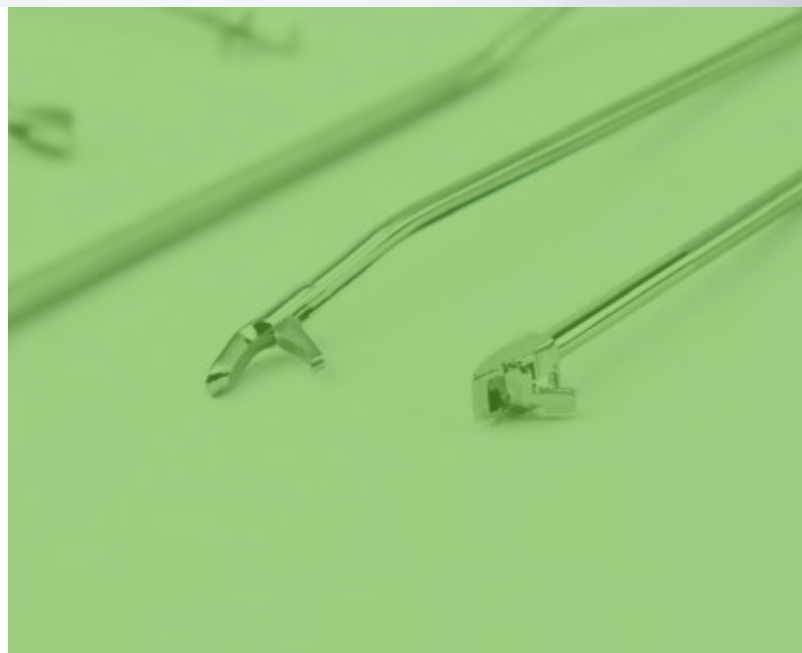
Key Features

- **Multiple handle options** to meet every physician's preference and for optimized use of jaw
- Uniform and accurate **force distribution**
- **Precise cutting pattern** due to optimized punching gap dimensions in the jaw area
- **Maximum power transmission** through a pinless joint guide
- Easy and precise use



... more Features

- Wide range of punches and jaw patterns
- Long durability due to the use of high-quality stainless steels and polymers
- Conveniently cleanable and reprocessable due to skeletonized design, easily accessible





Hook Punch, Small



	Tip profile	Bite width	Tip width	Item no. Classic handle
Hook punch, small, 220 mm	1.90 mm	1.80 mm	2.89 mm	17-3154

Hook Punch, Small, Upbiter



	Tip profile	Bite width	Tip width	Item no. Classic handle
Hook punch, small, upbiter, 220 mm	1.90 mm	1.80 mm	2.89 mm	17-3155

Basket Punches, Small



	Sheath	Tip profile	Bite width	Tip width	Item no. Classic handle
Basket punch, small, jaw 45°, 220 mm	downbiter left *	1.50 mm	1.80 mm	2.89 mm	17-3156
Basket punch, small, jaw 45°, 220 mm	downbiter right	1.50 mm	1.80 mm	2.89 mm	17-3157

Low Duckbill Punches, Medium



	Sheath	Tip profile	Bite width	Tip width	Item no. Classic handle
Low Duckbill punch, medium, 220 mm	straight *	1.93 mm	3.20 mm	5.00 mm	17-3158
Low Duckbill punch, medium, 220 mm	upswept	1.93 mm	3.20 mm	5.00 mm	17-3159

Low Duckbill Punch, Medium, Upbiter



	Tip profile	Bite width	Tip width	Item no. Classic handle
Low Duckbill punch, medium, upbiter, 220 mm	1.93 mm	3.20 mm	5.00 mm	17-3160

Backbiters



	Jaw	Tip profile	Bite width	Tip width	Item no. Classic handle
Backbiter, 220 mm	left cut	3.93 mm	2.30 mm	5.58 mm	17-3161
Backbiter, 220 mm	right cut *	3.93 mm	2.30 mm	5.58 mm	17-3162

Grasper, Raptor-Style



Item no.

Classic handle

Grasper, raptor-style, 220 mm

17-3163

Rotary Basket Punches



	Jaw	Tip profile	Bite width	Tip width	Item no.	
					Rotatable classic handle	Cigar handle
Rotary basket punch, 220 mm	90° angled left *	1.50 mm	1.80 mm	2.89 mm	17-3164	17-3165
Rotary basket punch, 220 mm	90° angled right	1.50 mm	1.80 mm	2.89 mm	17-3166	17-3167

Grasper, 1x2 Teeth



Item no.

Slide-lock handle

Grasper, 1x2 teeth, 220 mm

17-3168

Graspers, Cupped, Serrated



	Jaw width	Item no.
Grasper, cupped, serrated, 220 mm	2.7 mm *	17-3169
Grasper, cupped, serrated, 220 mm	3.4 mm	17-3170

Alligator Graspers



	Item no.
Alligator grasper, 220 mm	17-3171



Arthroscopic Hand Instruments

Table of Contents

Hook Probes / **p. 101**

Spoon / **p. 101**

Ring Curettes / **p. 101**

Knives / **p. 102**

Meniscotomes / **p. 102**

Cartilage Rasps / **p. 102**

Chondro Picks & Hammer / **p. 103**

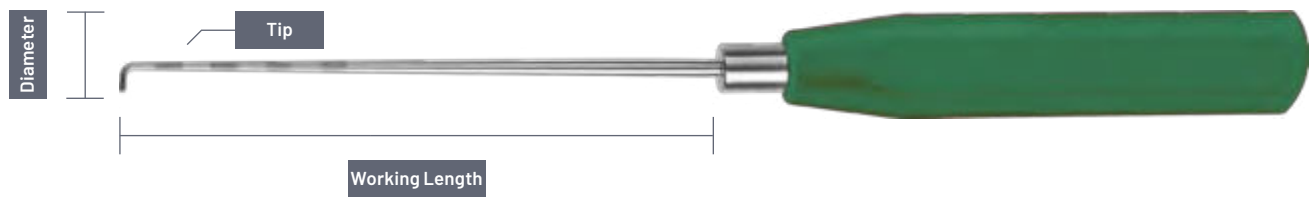
Knot Pushers / **p. 104**



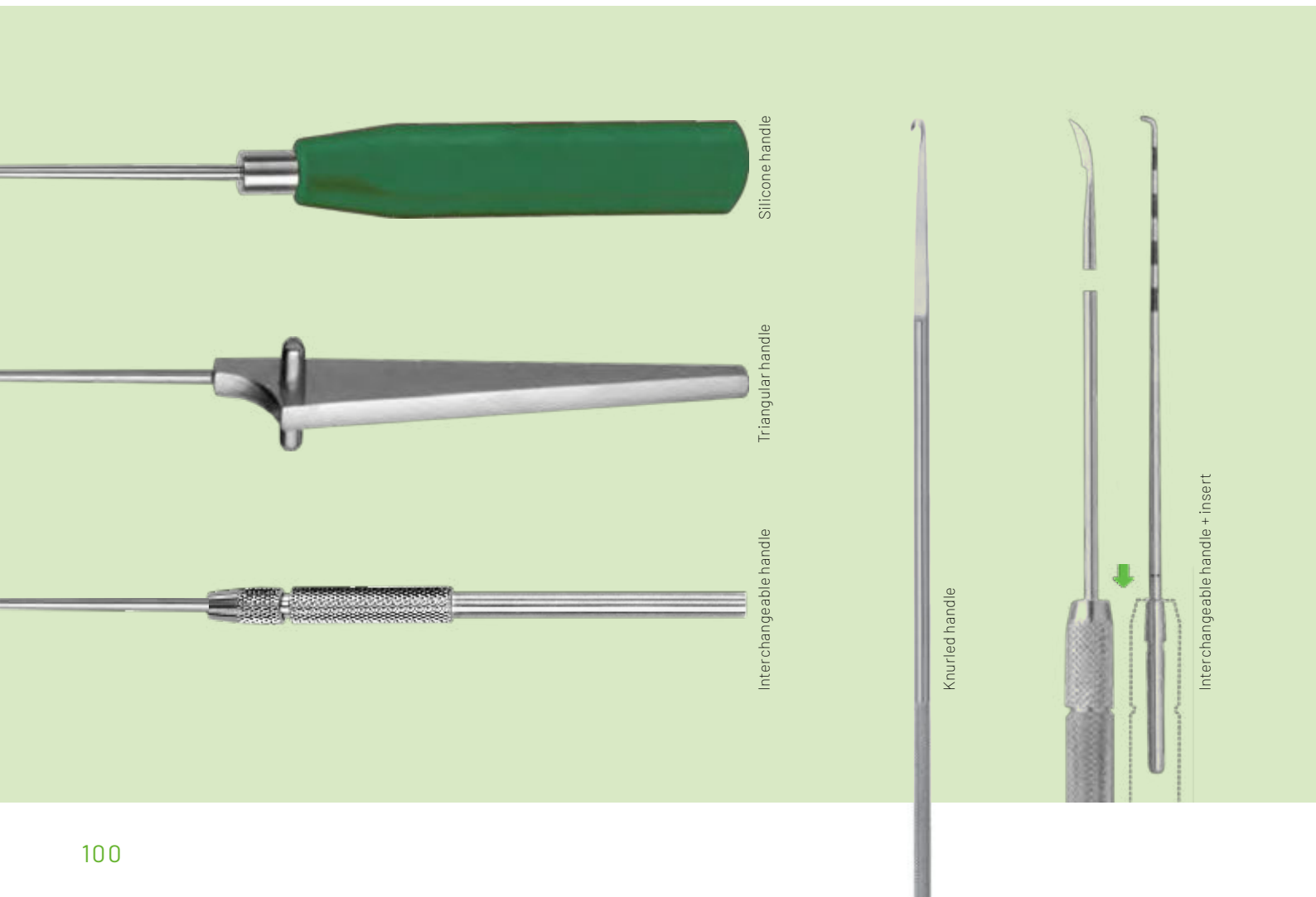


Arthroscopic Hand Instruments

Key Features and Designs at a Glance



- Ergonomic design
- Long durability due to the use of high-quality stainless steels and polymers
- Also available with detachable handle for higher flexibility
- Precise through distal graduations
- Wide range of instrument patterns for knee, Small Joint, shoulder and hip
- Working length of 100 mm / 150 mm / 220 mm according to application
- Available in 4 different handle variations



Interchangeable Handle



	Item no.
Handle only, 125 mm, interchangeable, for inserts w/o handle below	17-1801

Hook Probes



	Item no.			
	With knurled handle	With silicone handle	With triangular handle	Insert only, for use with 17-1801
 Hook probe, pointed	17-1825	17-1824S	17-1824DK	17-1824
 Hook probe, graduated, Ø 2.5 mm	17-1825-3,5	17-1802S	17-1802DK	17-1802
 Hook probe, graduated, Ø 4 mm	n/a	17-1802-4S	17-1802-4DK	17-1802-4

Spoon



	Item no.			
	With knurled handle	With silicone handle	With triangular handle	Insert only, for use with 17-1801
 Spoon, graduated, Ø 3 mm	17-1832	17-1823S	17-1823DK	17-1823

Ring Curettes



	Item no.			
	With knurled handle	With silicone handle	With triangular handle	Insert only, for use with 17-1801
 Ring curette 30°, Ø 3 mm	17-1840	17-1814S	17-1814DK	17-1814
 Ring curette 15°, Ø 5 mm	17-1840-5	17-1814-5S	17-1814-5DK	17-1814-5
 Ring curette 30°, Ø 7 mm	17-1840-7	17-1814-7S	17-1814-7DK	17-1814-7

Knives



		Item no.			
		With knurled handle	With silicone handle	With triangular handle	Insert only, for use with 17-1801
	Scalpel knife	17-1820	17-1804S	17-1804DK	17-1804
	Banana knife, smooth	17-1815	17-1806S	17-1806DK	17-1806
	Banana knife, serrated	17-1830	17-1807S	17-1807DK	17-1807
	Hook knife, graduated, 90°	17-1800	17-1812S	17-1812DK	17-1812
	Knife, retrograde, Ø 5 mm	17-1805	17-1813S	17-1813DK	17-1813
	Sickle knife	17-1843	17-1817S	17-1817DK	17-1817
	Bajonet knife	n/a	17-1818S	17-1818DK	17-1818
	Knife, serrated, Ø 3 mm	17-1845	17-1819S	17-1819DK	17-1819



Meniscotomes Smilie



		Item no.			
		With knurled handle	With silicone handle	With triangular handle	Insert only, for use with 17-1801
	Meniscotome smilie, Ø 3 mm	17-1810-3	17-1809-3S	17-1809-3DK	17-1809-3
	Meniscotome smilie, Ø 5 mm	17-1810	17-1809S	17-1809DK	17-1809
	Meniscotome smilie, Ø 7 mm	17-1810-7	17-1811S	17-1811DK	17-1811



Cartilage Rasps



		Item no.			
		With knurled handle	With silicone handle	With triangular handle	Insert only, for use with 17-1801
	Cartilage rasp, fine	n/a	17-1841S	17-1841DK	17-1841
	Cartilage rasp, rough	n/a	17-1842S	17-1842DK	17-1842



Chondro Picks



		Tip type	Item no.	
			125 mm WL for Knee Arthro	215 mm WL for Hip Arthro
	Chondro pick, silicone handle	straight	17-1838S	17-1838S-215
	Chondro pick, silicone handle	25° angled	17-1838S-25	17-1838S-215-25
	Chondro pick, silicone handle	40° angled	17-1838S-40	17-1838S-215-40
	Chondro pick, silicone handle	60° angled	17-1838S-60	17-1838S-215-60
	Chondro pick, silicone handle	90° angled	17-1838S-90	17-1838S-215-90

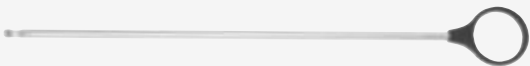
		Item no.
		Silicone handle
	Spoon 5°	17-1835S-215
	Ring curette 10°	17-1814-6S-215
	Scalpel knife	17-1804-6S-215
	Cartilage rasp, straight	17-1836S-215
	Cartilage rasp, 10°	17-1832S-215
	Hook probe, pointed, graduated	17-1802-06S-215

Hammer for Chondro Picks



	Item no.
	Silicone handle
Hammer for chondro picks, 35 x 240 mm, complete 370 g	17-1854

Knot Pushers, Closed



	Working length	Item no.
Knot pusher, closed	155 mm	17-3153
Knot pusher, closed	220 mm	17-3352
Knot pusher, closed	125 mm	17-3353



Surgical Units for Arthroscopy

Table of Contents

Shaver Unit / **p. 108**

Reusable & Single-Use Shaver Blades / **p. 110**

Bipolar Electrodes & Handpieces with Cable / **p. 112**





Arthroscopy

Shaver Unit

- **Fully controllable rotational and oscillation speed**
 - **Three oscillation modes: light, medium and aggressive**
 - **Automatic handpiece detection memorizing previously used parameters**
 - **Overload protection**
 - **Speed range of 800 to 8.000 RPM**
- To be used with up to two ergonomic, autoclavable handpieces simultaneously
 - Conveniently controllable by foot switch
 - Handpieces with automatic or manual lock
 - Compatible with Ackermann shaver blades



Technical Specifications

Item # **16-2050** / Arthroscopic Shaver Unit incl. Footswitch and Handpiece

Shaver Unit

Input voltage	100 - 240 VAC
Frequency voltage	50 - 60 Hz
Main voltage	100 - 240 VAC
Dimensions	306 x 96 x 330 mm
Weight	5.1 kg
Class of protection	B type

Handpiece

Length	185 mm
Weight	400 g
Blades chuck	Manual locking
Speed range	800 - 8.000 RPM ($\pm 10\%$)
Oscillate cycle	Light (0.5 sec.), medium (0.3 sec.), aggressive (0.2 sec.)
Cable length	3 m
Sterilization method	Steam sterilization: 134°C

Footswitch

Dimensions	215 x 280 x 28 mm
Weight	2.45 kg
Cable length	3 m
Casing safety standard	IPX8

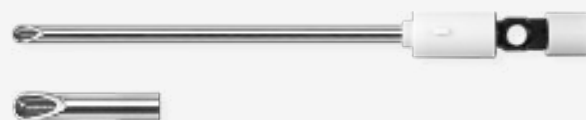
Accessories included with Unit

	Item no.
Handpiece for 16-2050	16-2050-100
Footswitch for 16-2050	16-2050-200
Power cord	16-2050-300
Instructions for use	n/a



Full Radius Resector

For Ackermann / Arthrex® Shaver Systems



	Diameter	Item no.	
		Single-use, sterile	Reusable, non-sterile
Full radius resector, plain sheath tip, plain inner tip, 130 mm	Ø 5.5 mm	15-1722-100DDART	15-1722-100ART
Full radius resector, plain sheath tip, plain inner tip, 130 mm	Ø 4.2 mm	15-1722-101DDART	15-1722-101ART
Full radius resector, plain sheath tip, plain inner tip, 130 mm	Ø 3.4 mm	15-1722-102DDART	15-1722-102ART

Meniscus Cutter

For Ackermann / Arthrex® Shaver Systems



	Diameter	Item no.	
		Single-use, sterile	Reusable, non-sterile
Meniscus cutter, serrated sheath tip, plain inner tip, 130 mm	Ø 5.5 mm	15-1722-200DDART	15-1722-200ART
Meniscus cutter, serrated sheath tip, plain inner tip, 130 mm	Ø 4.2 mm	15-1722-201DDART	15-1722-201ART
Meniscus cutter, serrated sheath tip, plain inner tip, 130 mm	Ø 3.4 mm	15-1722-202DDART	15-1722-202ART

Aggr. Full Radius Resector

For Ackermann / Arthrex® Shaver Systems



	Diameter	Item no.	
		Single-use, sterile	Reusable, non-sterile
Aggressive full rad. resect., plain sheath tip, serr. inner tip, 130 mm	Ø 5.5 mm	15-1722-300DDART	15-1722-300ART
Aggressive full rad. resect., plain sheath tip, serr. inner tip, 130 mm	Ø 4.2 mm	15-1722-301DDART	15-1722-301ART
Aggressive full rad. resect., plain sheath tip, serr. inner tip, 130 mm	Ø 3.4 mm	15-1722-302DDART	15-1722-302ART

Incisor

For Ackermann / Arthrex® Shaver Systems



	Diameter	Item no.	
		Single-use, sterile	Reusable, non-sterile
Incisor, serrated sheath tip, serrated inner tip, 130 mm	Ø 5.5 mm	15-1722-400DDART	15-1722-400ART
Incisor, serrated sheath tip, serrated inner tip, 130 mm	Ø 4.2 mm	15-1722-401DDART	15-1722-401ART
Incisor, serrated sheath tip, serrated inner tip, 130 mm	Ø 3.4 mm	15-1722-402DDART	15-1722-402ART

Round Burr

For Ackermann / Arthrex® Shaver Systems



		Item no.	
		Single-use, sterile	Reusable, non-sterile
Round burr, drill, Ø 5.5 mm, 130 mm		15-1722-500DDART	15-1722-500ART

Oval Burr

For Ackermann / Arthrex® Shaver Systems



	Diameter	Item no.	
		Single-use, sterile	Reusable, non-sterile
Oval burr, drill, 130 mm	Ø 5.5 mm	15-1722-700DDART	15-1722-700ART
Oval burr, drill, 130 mm	Ø 4.2 mm	15-1722-701DDART	15-1722-701ART

Handpiece for Bipolar Electrodes



		Item no.
	Handpiece for bipolar electrodes, with 6-pin ASD cable, 4 m	17-6900ASD
	Handpiece for bipolar electrodes, with 2-pin standard cable, 4 m	17-6900-9
	Handpiece for bipolar electrodes, with cable for Martin Maximum ¹ , 4 m	17-6900-8
	Handpiece for bipolar electrodes, with cable for Erbe VIO ¹ , 4 m	17-6900-7

Bipolar Electrodes, Single-Use



		Working length	Item no.
	Bipolar vaporisation electrode, 90° angled, Ø 5 mm, with suction, sterile, UOM 10 pcs.	150 mm	17-6901DD
	Bipolar vaporisation button electrode, 45° angled, Ø 2.4 mm, sterile, UOM 10 pcs.	150 mm	17-6906DD
	Bipolar vaporisation button electrode, 45° angled, Ø 2.8 mm, with suction, sterile, UOM 10 pcs.	150 mm	17-6905DD
	Bipolar vaporisation electrode, bendable, 45° angled, Ø 2.8 mm, sterile, UOM 10 pcs.	150 mm	17-6907DD
	Bipolar vaporisation button electrode, 45° angled, Ø 3 mm, sterile, UOM 10 pcs.	180 mm	17-6912DD
	Bipolar vaporisation button electrode, 70° angled, Ø 4 mm, sterile, UOM 10 pcs.	150 mm	17-6902DD
	Bipolar L-hook electrode, 90° angled, Ø 3.3 mm, sterile, UOM 10 pcs.	150 mm	17-6903DD
	Bipolar L-hook electrode, reinforced, 90° angled, Ø 3.3 mm, sterile, UOM 10 pcs.	150 mm	17-6904DD
	Bipolar vaporisation electrode, bendable, 90° angled, Ø 3.8 mm, sterile, UOM 10 pcs.	150 mm	17-6911DD

Bipolar Electrodes, Single-Use, with Handpiece



		Working length	Item no.
	Bipolar vaporisation electrode, 90° angled, with suction and handpiece, sterile, UOM 10 pcs.	150 mm	17-6937DD
	Bipolar vaporisation electrode, 45° angled, with suction and handpiece, sterile, UOM 10 pcs.	150 mm	17-6938DD
	Bipolar vaporisation electrode, 45° double-angled, with suction and handpiece, sterile, UOM 10 pcs.	150 mm	17-6939DD
	Bipolar vaporisation electrode, bendable, 45° angled, with suction and handpiece, sterile, UOM 10 pcs.	150 mm	17-6941DD
	Bipolar vaporisation electrode, 70° angled, with suction and handpiece, sterile, UOM 10 pcs.	150 mm	17-6943DD
	Bipolar hook electrode, 90° angled, slim, with handpiece, sterile, UOM 10 pcs.	150 mm	17-6924DD
	Bipolar hook electrode, 90° angled, with handpiece, sterile, UOM 10 pcs.	150 mm	17-6925DD
	Bipolar vaporisation electrode, 90° angled, with handpiece, sterile, UOM 10 pcs.	150 mm	17-6942DD

Accessories

Table of Contents

Container / **p. 116**

Accessories for Operating Tables / **p. 116**

General Instruments / **p. 118**





1/2 Arthro Punch Container with Inlay



			Item no.
1/2 Container with instrument rack for 14 arthroscopic punches, 285 x 280 x 135 mm			17-1750CON
includes	1/2 Container for 14 arthroscopic punches, 285 x 280 x 135 mm	50-1305.13 + 50-1300.05	
and	Container inlay for arthroscopic punches, 285 x 280 x 135 mm	17-1750I	

Arm Extension Device



		Item no.
Arm extension device for intramedullary nailing of humerus fractures		69-1750

Weinberger Handcuff



		Item no.
Weinberger handcuff for fixation of hand and upper arm during intramedullary nailing of humerus		69-1755

Meniscus Roll



Meniscus roll, adjustable in height

Item no.

69-1730

Arthroscopic Leg Holder System



Arthroscopic leg holder system for fixation of thigh

Item no.

69-1728

Scalpel Handle, No. 3



	Item no.
Scalpel handle, No. 3, 12 cm	03-0100.03

Mayo Scissors, Curved



	Item no.
Mayo scissors, curved, blunt/blunt, 17 cm	04-1261.17

Metzenbaum Scissors, Curved



	Dimensions	Item no.
Metzenbaum scissors, curved	18 cm	04-1321.18
Metzenbaum scissors, curved	23 cm	04-1321.23
Metzenbaum scissors, curved	28 cm	04-1321.28

Metzenbaum-Fino Scissors, Curved



Metzenbaum-Fino scissors, curved, blunt/ blunt, 18 cm, tungsten carbide, supercut

Item no.

04-1337.18SC

Jameson Dissecting Scissors, Curved

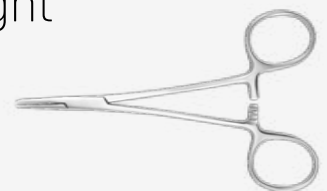


Jameson dissecting scissors, curved, 15 cm

Item no.

04-1373.15

Micro-Mosquito Hemostatic Forceps, Straight



Micro-Mosquito haemostatic forceps, straight, 12.5 cm

Item no.

07-0600.12

Micro-Mosquito Haemostatic Forceps, Curved

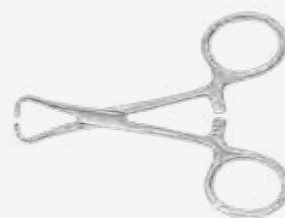


Micro-Mosquito haemostatic forceps, curved, 1x2 teeth, 12.5 cm

Item no.

07-0603.12

Tohoku Towel Forceps



Tohoku towel forceps, 13 cm

Item no.

08-9068.13

Duplay Sponge- & Dressing Forceps, Straight

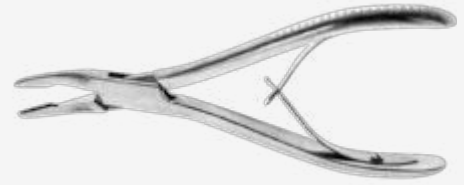


Duplay sponge- and dressing forceps, straight, 20 cm

Item no.

08-9392.20

Beyer Bone Rongeur, Curved



Beyer bone rongeur, curved, 3 mm, 18 cm

Item no.

15-0701.18

Hartmann Forceps



Hartmann forceps

Dimensions

8.5 cm, 3 1/4"

Item no.

20-4861.08

Hartmann forceps

14 cm, 5 1/2"

20-4861.14

Cottle Alar Protector

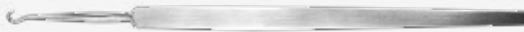


Cottle alar protector, 15 cm

Item no.

21-6949.15

Frazier Retractor, Sharp



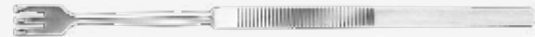
	Item no.
Frazier retractor, sharp, 18 cm	09-0136.18

Joseph Retractor



	Item no.
Joseph retractor, 7 mm, 16 cm	09-0516.07

Retractor, Sharp, 3 Prongs



	Item no.
Retractor, sharp, 3 prongs, 16 cm	09-0556.03

Langenbeck Retractor



Langenbeck retractor, 40 x 11 mm, 21 cm

Item no.

09-1181.04

Holzheimer Self-Retaining Retractor



Holzheimer self-retaining retractor, blunt, 10 cm

Item no.

09-5130.14

TC DeBakey Needleholder



DeBakey needleholder, tungsten carbide, 15 cm

Item no.

12-5450.15

Killian Septum Elevator



Killian septum elevator, 18.5 cm	Item no. 21-6826.18
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Gallpot



Gallpot, Ø 81 x 51 mm	Item no. 35-1141.08
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Alphanumeric Index

Item Numbers at a Glance

Numeric Item

03-0100.03	118	15-1722-100ART	110	17-1752	25
03-0100.03	118	15-1722-100DDART	110	17-1755	25
04-1261.17	118, 120, 122, 124	15-1722-101ART	110	17-1755HD	8, 15, 25
04-1321.18	118	15-1722-101DDART	110	17-1755UHD	25
04-1321.23	118	15-1722-102ART	110	17-1756	25
04-1321.28	118	15-1722-102DDART	110	17-1757	6, 7, 25
04-1337.18SC	119	15-1722-200ART	110	17-1760	25
04-1373.15	119	15-1722-200DDART	110	17-1760HD	15, 25
07-0600.12	119	15-1722-201ART	110	17-1760UHD	25
07-0603.12	120	15-1722-201DDART	110	17-1761	25
08-9068.13	120	15-1722-202ART	110	17-1765	19
08-9392.20	120	15-1722-202DDART	110	17-1766	6, 7, 19, 20
09-0136.18	122	15-1722-300ART	110	17-1770	8, 15, 19
09-0516.07	122	15-1722-300DDART	110	17-1771	19
09-0556.03	122	15-1722-301ART	110	17-1777	8, 20
09-1181.04	123	15-1722-301DDART	110	17-1778	20
09-5130.14	123	15-1722-302ART	110	17-1780	15, 19, 20
11-1121	27	15-1722-302DDART	110	17-1784	19
11-1146-100	6, 7, 8, 15, 28	15-1722-400ART	111	17-1785	19
11-1146-200	6, 7, 8, 15, 28	15-1722-400DDART	111	17-1786	6, 7, 20
11-1146-300	28	15-1722-401ART	111	17-1787	20
11-1147-100	28	15-1722-401DDART	111	17-1789	20
11-1147-200	28	15-1722-402ART	111	17-1790	8, 15, 20
11-1147-300	28	15-1722-402DDART	111	17-1791	21
11-1147-400	28	15-1722-500ART	111	17-1794	20
11-1150	27	15-1722-500DDART	111	17-1795	8, 15, 20
11-1151	6, 7, 8, 15, 27	15-1722-600ART	111	17-1795-27	19
11-1152	27	15-1722-600DDART	111	17-1796	21
11-1161	27	15-1722-700ART	111	17-1800	102
11-1167	27	15-1722-700DDART	111	17-1801	101, 102
11-1168	27	15-1722-701ART	111	17-1802	13, 14, 101
11-16000CB	28	15-1722-701DDART	111	17-1802-4	101
11-16000CBOLY	28	17-1750	25	17-1802-4DK	101
11-16000CBWOL	28	17-1750CON	13, 14, 116	17-1802-4S	101
12-5450.15	123	17-1750HD	25	17-1802-06S-215	8, 103
15-0701.18	121	17-1750I	116	17-1802DK	6, 7, 15, 101
15-1697	6, 7, 9, 15	17-1750UHD	25	17-1802S	101
		17-1751	25	17-1804	102

17-1804-6S-215	103	17-1818S	102	17-1846-7	11, 84
17-1804DK	102	17-1819	102	17-1847-5	11, 85
17-1804S	102	17-1819DK	102	17-1847-6	11, 85
17-1805	102	17-1819S	102	17-1847-7	11, 85
17-1806	102	17-1820	102	17-1848	8, 11, 85
17-1806DK	15, 102	17-1823	101	17-1849-7	11, 85
17-1806S	102	17-1823DK	101	17-1849-8	11, 85
17-1807	102	17-1823S	101	17-1849-9	11, 85
17-1807DK	102	17-1824	101	17-1850-7	86
17-1807S	102	17-1824DK	6, 11, 86, 101	17-1850-8	86
17-1809	102	17-1824S	101	17-1850-9	86
17-1809-3	102	17-1825	101	17-1851	12, 87
17-1809-3DK	102	17-1825-3,5	101	17-1852	12, 87
17-1809-3S	102	17-1830	102	17-1854	103
17-1809DK	102	17-1832	101	17-1860	68
17-1809S	102	17-1832S-215	103	17-1865	68
17-1810	102	17-1835S-215	103	17-1870	68
17-1810-3	102	17-1836S-215	103	17-3000	65
17-1810-7	102	17-1838S	11, 84, 103	17-3001	65
17-1811	102	17-1838S-25	7, 11, 84, 103	17-3002	66
17-1811DK	102	17-1838S-40	11, 84, 103	17-3003	66
17-1811S	102	17-1838S-60	7, 11, 84, 103	17-3004	65
17-1812	102	17-1838S-90	11, 84, 103	17-3005	65
17-1812DK	102	17-1838S-215	103	17-3006	64
17-1812S	102	17-1838S-215-25	15, 103	17-3007	64
17-1813	102	17-1838S-215-40	103	17-3008	64
17-1813DK	102	17-1838S-215-60	15, 103	17-3009	64
17-1813S	102	17-1838S-215-90	15, 103	17-3010	67
17-1814	101	17-1839C	11, 83	17-3011	67
17-1814-5	101	17-1839H	11, 83	17-3012	67
17-1814-5DK	101	17-1839S	8, 11, 83	17-3013	67
17-1814-5S	101	17-1840	101	17-3014	14, 66
17-1814-6S-215	11, 15, 84, 103	17-1840-5	101	17-3015	68
17-1814-7	101	17-1840-7	101	17-3016	53
17-1814-7DK	101	17-1841	102	17-3016ERG	53
17-1814-7S	101	17-1841DK	102	17-3018	60
17-1814DK	101	17-1841S	102	17-3018ERG	60
17-1814S	101	17-1842	102	17-3019	60
17-1815	102	17-1842DK	102	17-3019ERG	60
17-1817	102	17-1842S	102	17-3020	14, 53
17-1817DK	102	17-1843	102	17-3020ERG	53
17-1817S	102	17-1845	102	17-3021	13, 14, 54
17-1818	102	17-1846-5	11, 84	17-3021ERG	54
17-1818DK	102	17-1846-6	11, 84	17-3022	54

17-3022ERG	54	17-3045ERG	58	17-3103	6, 7, 35
17-3023	54	17-3046	57, 59	17-3104	6, 35
17-3023ERG	54	17-3046ERG	57, 59	17-3105	6, 35
17-3024	60	17-3048	14, 58	17-3106	7, 35
17-3024ERG	60	17-3048ERG	58	17-3107	35
17-3025	58	17-3049	14, 58	17-3108	6, 36
17-3025ERG	58	17-3049ERG	58	17-3109	37
17-3026	59	17-3050	14, 57, 59	17-3110	7, 36
17-3026ERG	59	17-3050ERG	57, 59	17-3111	6, 36
17-3027	59	17-3051	13, 14, 63	17-3112	37
17-3027ERG	59	17-3051ERG	63	17-3113	41
17-3028	14, 60	17-3052	14, 63	17-3114	41
17-3028ERG	60	17-3052ERG	63	17-3115	41
17-3029	60	17-3053	62	17-3116	41
17-3029ERG	60	17-3053ERG	62	17-3117	41
17-3030	59	17-3054	62	17-3118	8, 41
17-3030ERG	59	17-3054ERG	62	17-3119	41
17-3031	14, 62	17-3055	14, 63	17-3120	41
17-3031ERG	62	17-3055ERG	63	17-3121	41
17-3032	14, 64	17-3056	14, 63	17-3122	42
17-3032ERG	64	17-3056ERG	63	17-3123	42
17-3033	64	17-3057	63	17-3124	42
17-3033ERG	64	17-3057ERG	63	17-3125	42
17-3034	64	17-3058	14, 63	17-3126	42
17-3034ERG	64	17-3058ERG	63	17-3127	42
17-3035	64	17-3059	14, 63	17-3130	42
17-3035ERG	64	17-3059ERG	63	17-3131	42
17-3036	58	17-3060	66	17-3132	43
17-3036ERG	58	17-3060ERG	66	17-3133	43
17-3037	58	17-3062	61	17-3134	43
17-3037ERG	58	17-3063	13, 61	17-3135	43
17-3038	59	17-3064	61	17-3136	43
17-3038ERG	59	17-3064ERG	61	17-3137	43
17-3039	59	17-3065	61	17-3138	44
17-3039ERG	59	17-3065ERG	61	17-3139	44
17-3040	13, 14, 56	17-3066	61	17-3140	44
17-3041	13, 14, 56	17-3066ERG	61	17-3141	44
17-3041ERG	56	17-3068	61	17-3142	44
17-3042	56	17-3069	61	17-3143	44
17-3042ERG	56	17-3070	56	17-3144	44
17-3043	56	17-3071	65	17-3145	44
17-3043ERG	56	17-3072	13, 14, 64	17-3146	46
17-3044	56	17-3073	13, 64	17-3147	46
17-3044ERG	56	17-3082	64	17-3148	46
17-3045	13, 14, 58	17-3083	64	17-3149	8, 46

17-3152	8, 45	17-3199	56	17-3235	58
17-3153	8, 45, 104	17-3199ERG	56	17-3235ERG	58
17-3154	93	17-3200	56	17-3236	58
17-3155	93	17-3200ERG	56	17-3236ERG	58
17-3156	93	17-3201	56	17-3237	58
17-3157	93	17-3201ERG	56	17-3237ERG	58
17-3158	94	17-3204	54	17-3238	62
17-3159	94	17-3204ERG	54	17-3238ERG	62
17-3160	8, 94	17-3206	54	17-3240	62
17-3161	94	17-3206ERG	54	17-3240ERG	62
17-3162	94	17-3210	54	17-3241	62
17-3163	95	17-3210ERG	54	17-3241ERG	62
17-3164	95	17-3211	56	17-3245	61
17-3165	95	17-3211ERG	56	17-3245ERG	61
17-3166	95	17-3212	53	17-3246	61
17-3167	95	17-3212ERG	53	17-3246ERG	61
17-3168	95	17-3213	53	17-3247	61
17-3169	96	17-3213ERG	53	17-3247ERG	61
17-3170	96	17-3214	66	17-3250	63
17-3171	8, 96	17-3215	53	17-3250ERG	63
17-3180	67	17-3215ERG	53	17-3251	63
17-3181	67	17-3216	53	17-3251ERG	63
17-3182	67	17-3216ERG	53	17-3255	66
17-3183	67	17-3217	55	17-3256	66
17-3184	67	17-3217ERG	55	17-3257	65
17-3185	67	17-3218	55	17-3258	65
17-3187	68	17-3218ERG	55	17-3260	65
17-3188	68	17-3219	53	17-3262	64
17-3189	68	17-3219ERG	53	17-3262ERG	64
17-3190	65	17-3220	53	17-3263	64
17-3190ERG	65	17-3220ERG	53	17-3263ERG	64
17-3191	55	17-3225	53	17-3270	45
17-3191ERG	55	17-3225ERG	53	17-3271	45
17-3192	55	17-3226	55	17-3273	68
17-3192ERG	55	17-3226ERG	55	17-3274	68
17-3194	57	17-3227	55	17-3275	68
17-3194ERG	57	17-3227ERG	55	17-3276	68
17-3195	57	17-3228	55	17-3280	66
17-3195ERG	57	17-3228ERG	55	17-3313	8, 41
17-3196	56	17-3230	65	17-3314	41
17-3196ERG	56	17-3230ERG	65	17-3315	8, 41
17-3197	56	17-3231	65	17-3316	41
17-3197ERG	56	17-3231ERG	65	17-3317	41
17-3198	56	17-3234	61	17-3318	8, 41
17-3198ERG	56	17-3234ERG	61	17-3319	41

17-3320	41	17-4153	73	17-4203	75
17-3321	41	17-4154	73	17-4204	75
17-3334	42	17-4155	73	17-4205	75
17-3335	42	17-4156	73	17-4206	75
17-3336	43	17-4157	73	17-4207	75
17-3338	44	17-4158	73	17-4208	75
17-3340	44	17-4160	74	17-4210	76
17-3342	44	17-4161	74	17-4211	76
17-3344	44	17-4162	74	17-4212	76
17-3348	46	17-4163	74	17-4213	76
17-3352	104	17-4164	74	17-4214	76
17-3353	104	17-4165	74	17-4215	76
17-4025	67	17-4166	74	17-4216	76
17-4026	67	17-4167	74	17-4217	76
17-4091	78	17-4168	74	17-4218	76
17-4092	78	17-4170	74	17-4220	77
17-4110	71	17-4171	74	17-4221	77
17-4111	71	17-4172	74	17-4222	77
17-4112	71	17-4173	74	17-4223	77
17-4113	71	17-4174	74	17-4224	77
17-4114	71	17-4175	74	17-4225	77
17-4115	71	17-4176	74	17-4226	77
17-4116	71	17-4177	74	17-4227	77
17-4117	71	17-4178	74	17-4228	77
17-4118	71	17-4180	75	17-4230	77
17-4120	71	17-4181	75	17-4231	77
17-4121	71	17-4182	75	17-4232	77
17-4122	71	17-4183	75	17-4233	77
17-4123	71	17-4184	75	17-4234	77
17-4124	71	17-4185	75	17-4235	77
17-4125	71	17-4186	75	17-4236	77
17-4126	71	17-4187	75	17-4237	77
17-4127	71	17-4188	75	17-4238	77
17-4128	71	17-4190	76	17-4240	78
17-4130	72	17-4191	76	17-4241	78
17-4132	72	17-4192	76	17-4291	78
17-4135	72	17-4193	76	17-4292	78
17-4137	72	17-4194	76	17-4293	78
17-4140	72	17-4195	76	17-4294	78
17-4142	72	17-4196	76	17-4295	79
17-4145	73	17-4197	76	17-4296	79
17-4147	73	17-4198	76	17-4310	71
17-4150	73	17-4200	75	17-4311	71
17-4151	73	17-4201	75	17-4312	71
17-4152	73	17-4202	75	17-4313	71

17-4314	71	17-6302	10, 82	17-6903DD	112
17-4315	71	17-6320	11, 83	17-6904DD	112
17-4316	71	17-6324	10, 82	17-6905DD	112
17-4317	71	17-6347	10, 82	17-6906DD	112
17-4318	71	17-6352	10, 82	17-6907DD	112
17-4320	71	17-6356	10, 82	17-6911DD	112
17-4321	71	17-6410	11, 83	17-6912DD	112
17-4322	71	17-6411	11, 83	17-6924DD	113
17-4323	71	17-6412	11, 83	17-6925DD	113
17-4324	71	17-6460	11, 83	17-6937DD	113
17-4325	71	17-6470	11, 83	17-6938DD	113
17-4326	71	17-6480	11, 83	17-6939DD	113
17-4327	71	17-6490	11, 83	17-6941DD	113
17-4328	71	17-6500	12, 87	17-6942DD	113
17-4430	77	17-6501	11, 86	17-6943DD	113
17-4431	77	17-6504	80, 81	17-6954	12, 88
17-4432	77	17-6510	10, 81	20-4861.08	121
17-4433	77	17-6511	80, 81	20-4861.14	121
17-4434	77	17-6512	10, 81	21-6826.18	124
17-4435	77	17-6513	80, 81	21-6949.15	121
17-4436	77	17-6514	10, 81	35-1141.08	124
17-4437	77	17-6515	10, 81	50-1010.15	12
17-4438	77	17-6578-24	10, 81	50-1210.13	9, 15
17-5001	49	17-6578-35	10, 81	50-1290.05	9, 15
17-5002	8, 49	17-6800	10, 81	50-1310.13	6, 7
17-5003	49	17-6805	10, 81	50-1390.05	6, 7
17-5004	49	17-6806	10, 81	50-1820.00	6, 7, 9, 15
17-5101	8, 49	17-6867	10, 81	69-1728	117
17-5101D	49	17-6878	10, 81	69-1730	117
17-6210	10, 82	17-6888	88	69-1750	116
17-6211	10, 82	17-6889	10, 12, 81	69-1755	116
17-6212	10, 82	17-6890	10, 81		
17-6257	12, 88	17-6891	10, 81		
17-6258	12, 88	17-6892	10, 81		
17-6259	12, 88	17-6900-7	112		
17-6260	10, 82	17-6900-8	112		
17-6270	10, 82	17-6900-9	112		
17-6280	10, 82	17-6900ASD	112		
17-6290	10, 82	17-6901DD	112		
17-6301	10, 82	17-6902DD	112		

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