

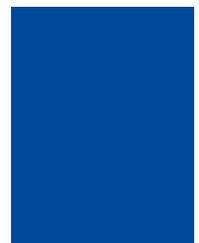
Highlights 2019

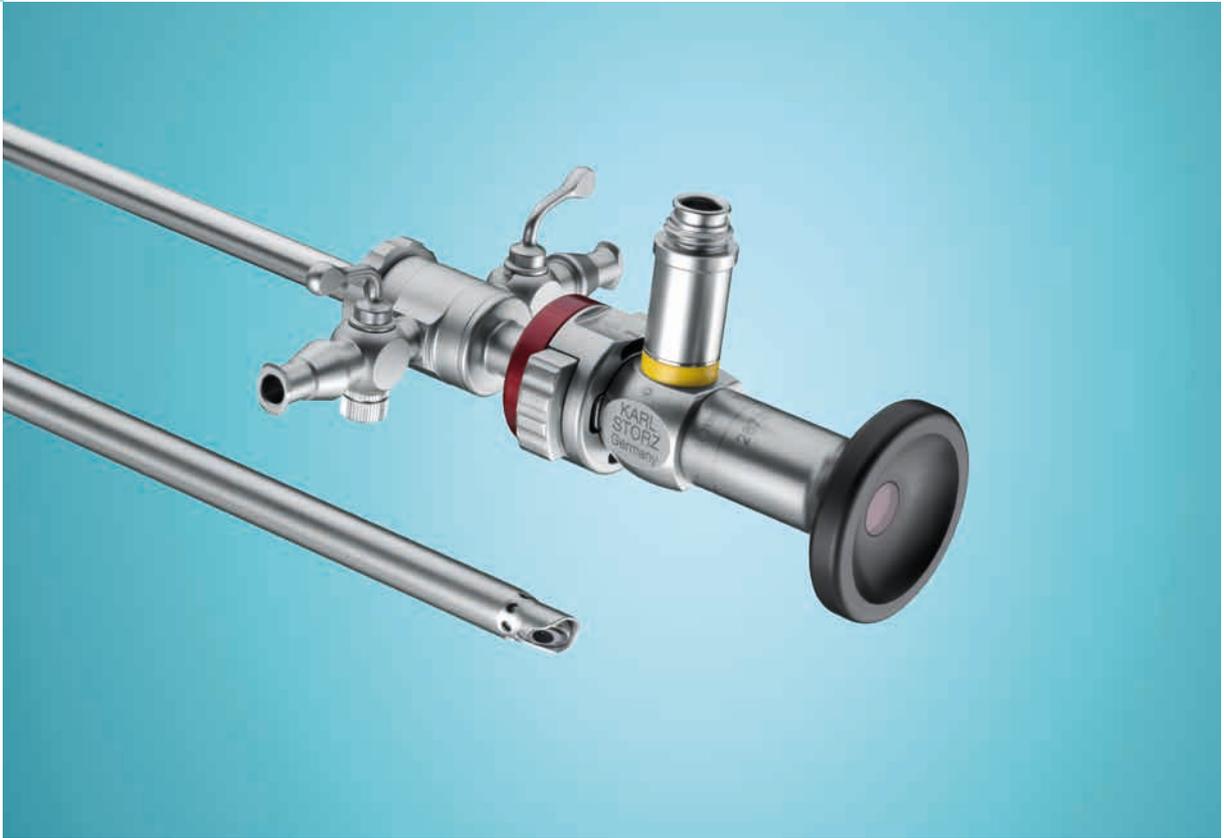
Arthroscopy and Sports Medicine



Hip

STORZ
KARL STORZ – ENDOSKOPE





Diamond Standard: HOPKINS® Telescopes and Sheaths for Optimal Vision

KARL STORZ HOPKINS® telescopes are considered to be the best arthroscopes in the industry. The diverse product range covers all arthroscopic interventions while the unique rod lens system ensures excellent image quality with optimal brightness, contrast and detail properties.

The product range includes all well-established angles of view in arthroscopy:

- 0° • 30° • 70°

Arthroscopes with diameters ranging from 1 mm to 4 mm leave nothing to be desired. A selection of sheaths with various locking mechanisms, which are co-ordinated with HOPKINS® telescopes, ensures the safe locking of the telescope in the sheath.

Recommended Sets, consisting of HOPKINS® Telescopes, Arthroscope Sheaths and Obturators

Set for the Knee Joint:

- 28731 BWA **HOPKINS® Wide Angle Forward-Oblique Telescope 30°**, enlarged view, diameter 4 mm, length 18 cm, **autoclavable**, fiber optic light transmission incorporated, color code: red
- 28135 CR **High-Flow Arthroscope Sheath**, with snap-in coupling mechanism, diameter 5.5 mm, working length 13.5 cm, two stopcocks, rotatable, for use with HOPKINS® telescopes 0°, 30°, 70° and Obturators 28126 BC/BT/BS, 28134 O, color code: blue
- 28126 BT **Obturator**, semisharp, for use with Arthroscope Sheaths 28229 DR, 28129 CR, 28126 CR/R/B, 28136 CR, 28135 CR and 28136 EC, color code: green-red-yellow

Set for the Shoulder Joint:

- 28731 BWA **HOPKINS® Wide Angle Forward-Oblique Telescope 30°**, enlarged view, diameter 4 mm, length 18 cm, **autoclavable**, fiber optic light transmission incorporated, color code: red
- 28136 CR **High-Flow Arthroscope Sheath**, with snap-in coupling mechanism, diameter 6 mm, working length 13.5 cm, two stopcocks, rotatable, for use with HOPKINS® telescopes 0°, 30°, 70° and Obturators 28126 BC/BT/BS, 28134 O, color code: red
- 28126 BT **Obturator**, semisharp, for use with Arthroscope Sheaths 28229 DR, 28129 CR, 28126 CR/R/B, 28136 CR, 28135 CR and 28136 EC, color code: green-red-yellow

Set for the Hip Joint:

- 28731 CWA **HOPKINS® Wide Angle Lateral Telescope 70°**, enlarged view, diameter 4 mm, length 18 cm, **autoclavable**, fiber optic light transmission incorporated, color code: yellow
- 28130 CR **High-Flow Arthroscope Sheath**, with snap-in coupling mechanism, diameter 6 mm, working length 13.5 cm, two stopcocks, rotatable, for use with HOPKINS® telescopes 0°, 30°, 70° and Obturators 28130 BC/BT, 28140 O, color code: red
- 28130 BT **Obturator**, semisharp, for use with Arthroscope Sheaths 28131 CR/R, 28130 CR/R, color code: green-red-yellow

Set for the Ankle and Elbow Joints:

- 28208 BA **HOPKINS® Forward-Oblique Telescope 30°**, diameter 2.7 mm, length 11 cm, **autoclavable**, fiber optic light transmission incorporated, color code: red
- 28133 DS **High-Flow Arthroscope Sheath**, with snap-in coupling mechanism, diameter 4 mm, working length 7.5 cm, two stopcocks, rotatable, for use with HOPKINS® telescope 30° and Obturator 28133 BC
- 28133 BC **Obturator**, blunt, for use with Arthroscope Sheaths 28133 CR/DS

Set for the Wrist Joint:

- 28300 BA **HOPKINS® Wide Angle Forward-Oblique Telescope 30°**, diameter 2.4 mm, length 10 cm, **autoclavable**, fiber optic light transmission incorporated, color code: red
- 28303 DS **High-Flow Arthroscope Sheath**, with snap-in coupling mechanism, diameter 3.5 mm, working length 6.5 cm, two stopcocks, rotatable, for use with HOPKINS® Telescope 30° 28300 BA and Obturators 28302 BU/BV
- 28302 BV **Obturator**, blunt, for use with Arthroscope Sheaths 28303 DS/BS

Further HOPKINS® telescopes and sheaths can be found in the Arthroscopy and Sports Medicine catalog.



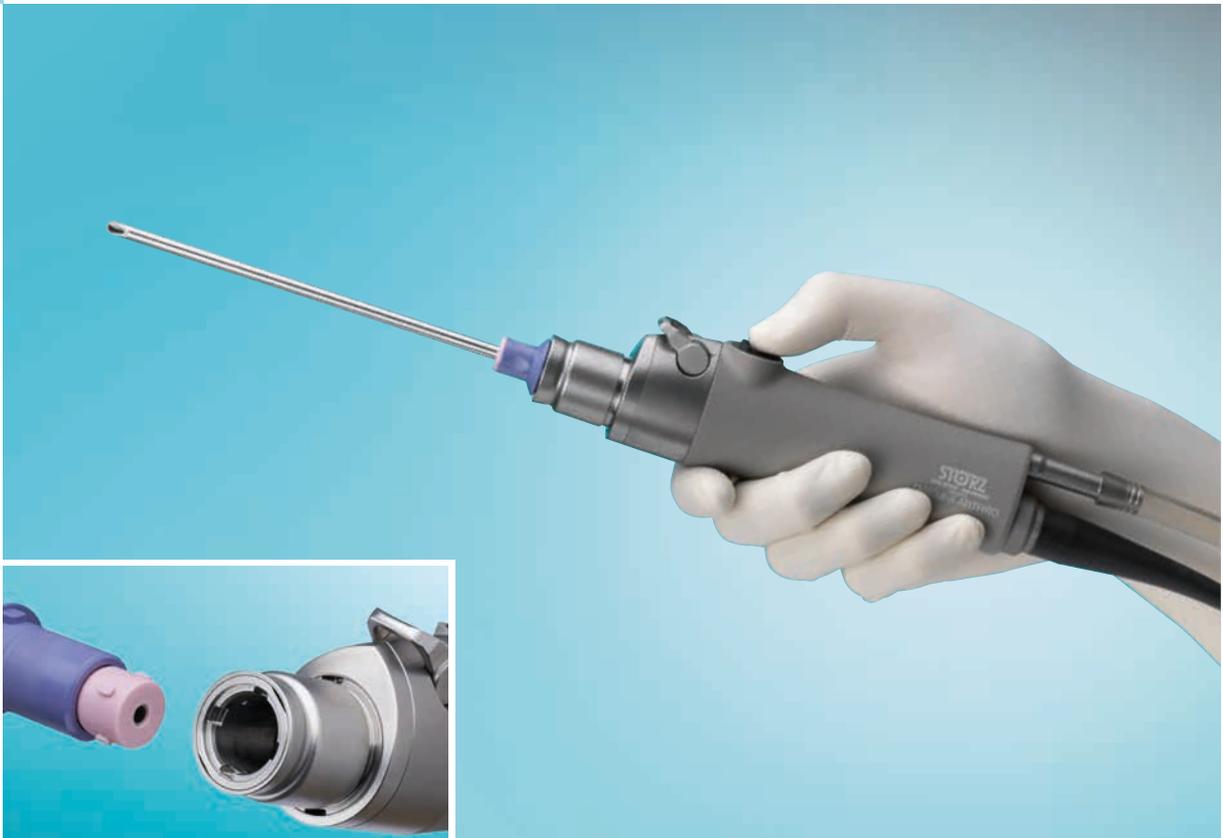
A Revolution in Imaging: EndoCAMEleon® with Variable Direction of View

ENDOCAMELEON® ARTHRO is a multidirectional arthroscope that combines the existing HOPKINS® technology with a variable direction of view. This guarantees optimal image quality with ideal visualization. The desired direction of view can be adjusted between 15° and 90° during surgery. The ENDOCAMELEON® is particularly beneficial for working in tight joint spaces as the all-round view has been greatly enhanced.

Special Features:

- HOPKINS® telescope with unique rod lens system for optimal brightness and contrast
- Easy-to-use adjusting knob selects the desired direction of view (15° to 90°)
- Better visualization of difficult-to-reach anatomical structures
- Time-saving as portal changeover is reduced

- 28731 AE **ENDOCAMELEON® ARTHRO HOPKINS® Telescope**, diameter 4 mm, length 18 cm, **autoclavable**, variable direction of view from 15° – 90°, adjustment knob for selecting the desired direction of view, fiber optic light transmission incorporated, color code: gold
- 28136 EC **Arthroscope Sheath ENDOCAMELEON®**, with snap-in coupling mechanism, diameter 6 mm, working length 13.5 cm, distal tapered, with irrigation holes, two stopcocks, rotatable, for use with ENDOCAMELEON® ARTHRO HOPKINS® Telescope 28731 AE and Obturator 28134 O with cannulated handle or Obturators 28126 BC/BT
- 28126 BT **Obturator**, semisharp, for use with Arthroscope Sheaths 28229 DR, 28129 CR, 28126 CR/R/B, 28136 CR, 28135 CR and 28136 EC, color code: green-red-yellow
- 28140 EWK **Changing Rod ENDOCAMELEON®**, cannulated, diameter 3.8 mm, length 31 cm, for use with Arthroscope Sheath ENDOCAMELEON® 28136 EC and Nitinol Guide Wire 28140 GW



Performance Meets Ergonomics: The New DrillCut-X[®] ARTHRO Shaver Handpiece

The new DRILLCUT-X[®] ARTHRO shaver handpiece stands out due to its excellent cleanability and exceptional versatility. It features an ergonomic design while its dimensions make the tool suitable for use in both large and small joints. The shaver handpiece is controlled via the UNIDRIVE[®] S III ARTHRO console.

- Ergonomic design allows various hand positions
- Possible to lock blades in 4 positions (0°, 90°, 180°, 270°)
- Low-noise operation
- Handpiece weight of only 310 g allows fatigue-free work



Unique feature:

The distal end of the shaver handpiece is detachable so that optimal cleaning of previously hard-to-access areas is possible.

The DRILLCUT-X® ARTHRO shaver handpiece and versatile shaver blades is a combination that is optimal for successful arthroscopy. Various reusable blades as well as blades for single use offer a wide range of high-quality working materials.

Shaver Handpiece:

28200 DX **DRILLCUT-X® ARTHRO Shaver Handpiece**, up to 8000 rpm, for use with UNIDRIVE® S III ARTHRO SCB **28723020-1**, as of software status 1.10.

Shaver Blades:

Working length 120 mm

Type		Use	Order No.	Diameter	Color Code	Application
	Aggressive Cutter	reusable	28205 AB	3.5 mm	green	soft tissue
			28205 AC	4.2 mm		
			28205 AD	5.5 mm		
		for single use	28205 ABS	3.5 mm light gray		
			28205 ACS	4.2 mm medium gray		
			28205 ADS	5.5 mm purple		
	Aggressive Cutter	reusable	28205 AK	4.5 mm	green	soft tissue
		for single use	28205 AKS	4.5 mm purple		
	End Cutter	reusable	28205 BC	4.2 mm	red	soft tissue
		for single use	28205 BCS	4.2 mm medium gray		
	Full Radius Resector	reusable	28205 CC	4.2 mm	yellow	soft tissue
			for single use	28205 CBS		
		28205 CCS		4.2 mm medium gray		
		28205 CDS	5.5 mm dark gray			
	Round Burr	reusable	28205 FC	4.2 mm	orange	bone
		for single use	28205 FCS	4.2 mm medium gray		
			28205 FDS	5.5 mm dark gray		

Further reusable blades as well as blades for single use can be found in the Arthroscopy and Sports Medicine catalog.



ARTHROPUMP® POWER: The Clever System for Arthroscopic Fluid Management

The ARTHROPUMP® POWER is an intelligent double roller pump which ensures a constant balance between inflow and outflow in order to create a clear intraarticular image. The pump parameters can be set or adjusted intuitively via touch screen.

- Communicates with the UNIDRIVE® S III ARTHRO shaver system and reacts to changes in pressure and flow parameters
- The hemostasis and lavage modes assure clear imaging in the case of bleeding or an increased fluid loss
- The functions of the pump (hemostasis, lavage) and those of the shaver system can be controlled by a four-pedal footswitch
- The automatic pressure control ensures optimal patient protection.

- 283407 01-1 ARTHROPUMP® POWER**, set, power supply 100-240 VAC, 50/60 Hz
including:
Connecting Cable, for UNIDRIVE® S III ARTHRO SCB and POWERSHAVER SL SCB
SCB Connecting Cable, length 100 cm
Four-Pedal Footswitch
Tubing Set Irrigation, sterile, for single use, package of 3
Tubing Set Suction, sterile, for single use, package of 3



Accessories:

For single use

Continuous-Flow – Irrigation and Suction

- 031328-10* **Tubing Set Irrigation**, with two puncture cannulas, sterile, for single use, package of 10
031228-10* **Tubing Set Suction**, with two suction tubes, sterile, for single use, package of 10

Single-Flow – Irrigation

- 031328-10* **Tubing Set Irrigation**, with two puncture cannulas, sterile, for single use, package of 10

For day use

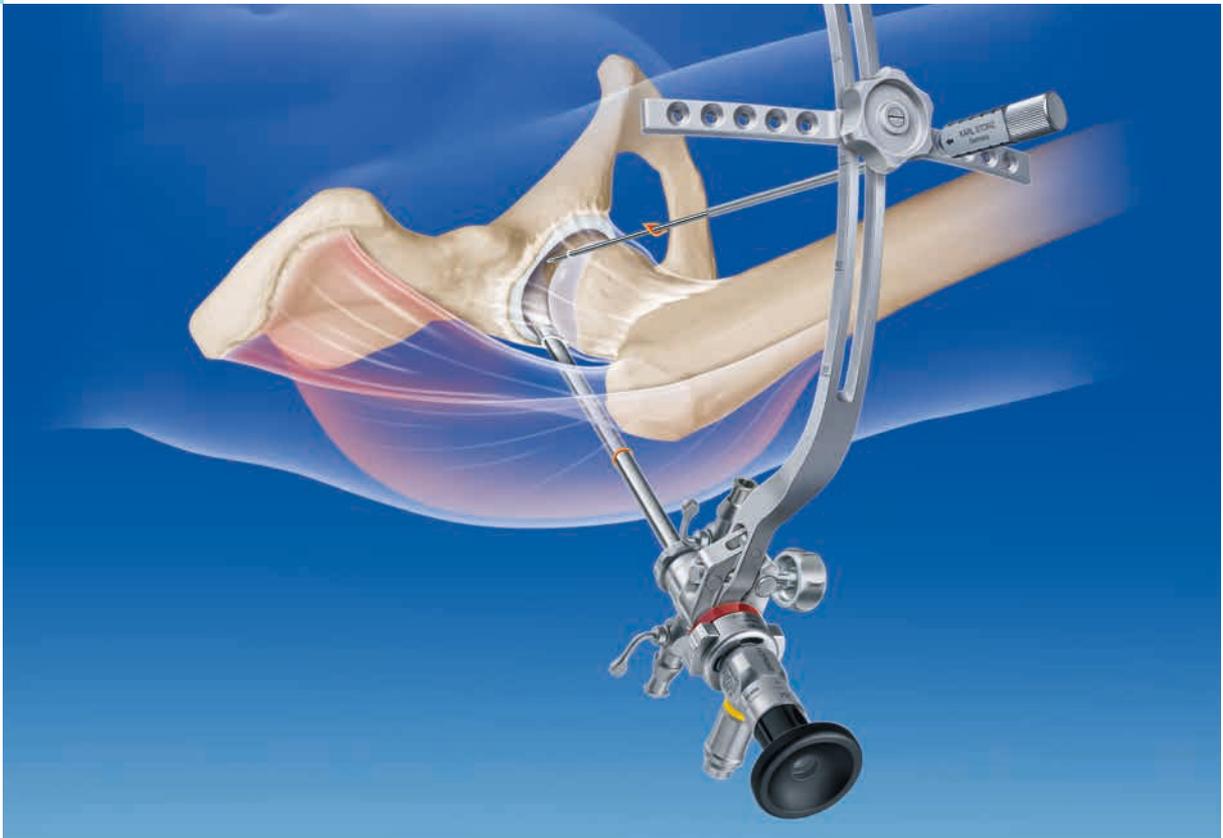
Continuous-Flow – Irrigation and Suction

- 031261-10* **Pump Tubing Day Set**, for irrigation, with two puncture cannulas, sterile, package of 10,
for use with ARTHROPUMP® POWER in combination with Patient Tube 031162-01 or 031162-10
031162-10* **Patient Tube**, sterile, for single use, package of 10, for use with Pump Tubing Day Set 031261-01
or 031261-10
031228-10* **Tubing Set Suction**, with two suction tubes, sterile, for single use, package of 10

Single-Flow – Irrigation

- 031261-10* **Pump Tubing Day Set**, for irrigation, with two puncture cannulas, sterile, package of 10,
for use with ARTHROPUMP® POWER in combination with Patient Tube 031162-01 or 031162-10
031162-10* **Patient Tube**, sterile, for single use, package of 10,
for use with Pump Tubing Day Set 031261-01 or 031261-10





Optimal Efficiency in Hip Arthroscopy

As a pioneer in hip arthroscopy, we deliver the first aimer offering horizontal triangulation. In addition to standard vertical triangulation, this allows faster and more precise portal placement.

The hip arthroscopy portfolio from KARL STORZ has been expanded to include optimized instruments for atraumatic and precise work.

- Sharper knives for the capsule and labrum allow a minimally invasive incision of the joint capsule in the portal zone and thus facilitate the detachment of the acetabular labrum at the bony rim from the periphery to the center.
- Suture forceps for hip arthroscopy feature an even more stable tip for atraumatic work.
- An optimized suture grasper allows safe grasping of the suture thanks to the instrument geometry.
- An extra-long foreign body forceps makes it easier to access all areas.
- An extra-stable microfracture chisel with 90° curve adds the final touch to your instrument set.

28140 ZAA **Hip – Aimer**

Mandatory:

28140 ZBA **Guide Sleeve**, short, working length 10.5 cm

or

28140 ZCA **Guide Sleeve**, long, working length 14.5 cm

Optional:

28140 ZDA **Aimer Attachment**, for horizontal triangulation



28140 LM **Knife**, round, straight, working length 11.5 cm



28140 BM **Knife**, round, round, angled 20°, working length 11.5 cm



28140 GA **Suture Forceps**, for punching soft tissue and suture management in hip arthroscopy, curved upwards, working length 19 cm



28140 CF **Microfracture Chisel**, for the hip, curved 90°



28573 FD **SILGRASP® Foreign Body Grasper**, aggressive, sheath diameter 4 mm, straight, handle with cleaning connector and ratchet, working length 22 cm



28171 SGD **SILGRASP® Grasper**, sheath diameter 3.5 mm, straight, handle with cleaning connector, working length 19 cm



28573 BA **SILCUT PRO® Wide Upbiter**, through-cutting, cross-toothed, cutting width 4.5 mm, jaws curved, 15° upwards, sheath diameter 3.5 mm, 15° curved upwards, handle with cleaning connector, working length 19 cm

Further information on instruments is available in the Arthroscopy and Sports Medicine catalog.

Imaging and OR Integration



Storage and administration of image and video data



SCENARA® .store

Flexible support for image sources



Centralized communication interface



SCENARA® .connect

OR1 88 1.0.01/2019/A-E

KARL STORZ OR1™

Future-oriented integration meets innovative data management

STORZ
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THE DIAMOND STANDARD

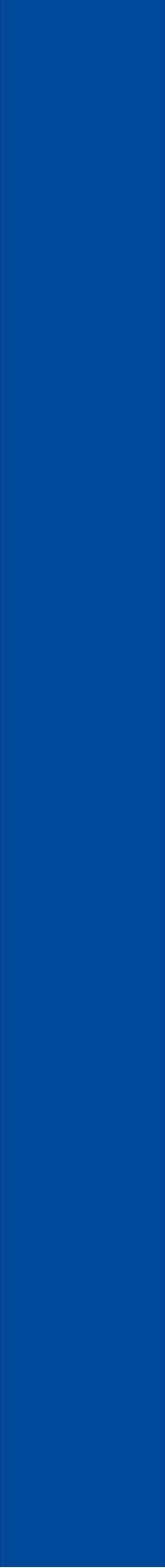
KARL STORZ SE & Co. KG, Dr.-Karl-Storz-Straße 34, 78532 Tuttlingen/Germany
www.karlstorz.com

Further information and an overview
of Arthroscopy and Sports Medicine
products from KARL STORZ
can be viewed on



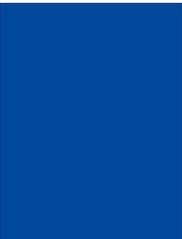
www.karlstorz.com
in the Human Medicine section,
Arthroscopy and Sports Medicine

It is recommended to check the suitability of the product for the intended procedure prior to use.



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