



Orthopedics

Orthopedics

1

Knee

2

Shoulder

3

Hip

4

Elbow / Foot

5

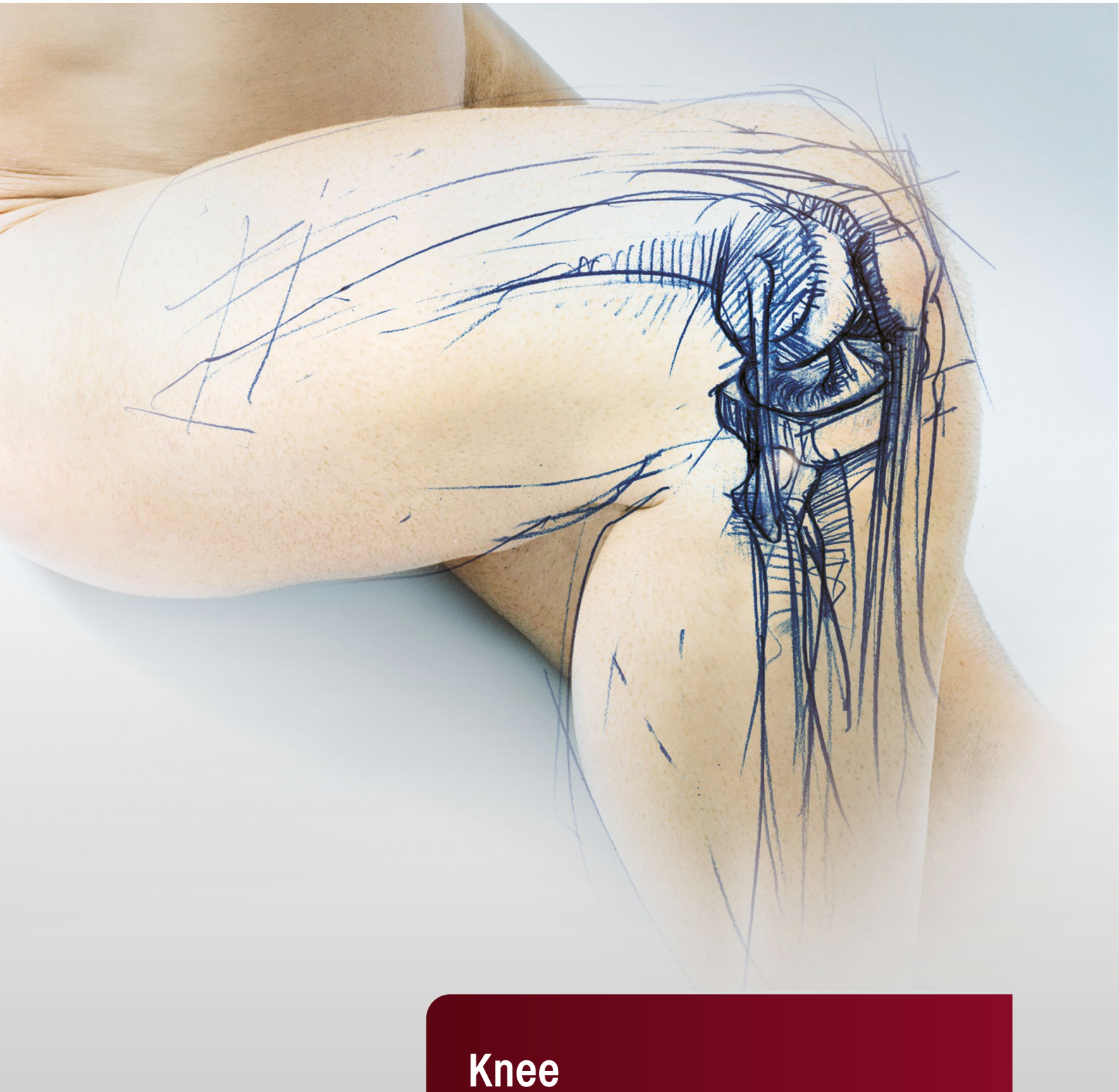
Hand / Fingers / Toes

6

FLUID MANAGEMENT Suction and Irrigation Pumps

7

Universal Motor Systems



Knee

Knee

1.1	Standard Equipment
1.2	Meniscal and Soft Tissue Resection / Extraction
1.3	Meniscus Refixation
1.4	Treatment of Cartilage Defects
1.5	Cruciate Ligament Reconstruction
1.6	Leg Holders

Basic Equipment

for diagnostic and operative arthroscopy

Product	Product no.	Quantity	Catalog / Section
Endoscopes and Instruments			
PANOVIEW telescope 30° Ø 4mm SL 170mm	8880.543	1	Orthopedics / Knee
Sheath for arthroscope OD 6mm	89121.1260	1	Orthopedics / Knee
Obturator for arthroscope OD 5.5/6/6.3mm	89121.0542	1	Orthopedics / Knee
Fiber light cable bndl, Ø 3.5 mm, 2.3 m long	806635231	1	Orthopedics / Knee
Hook probe WL 115mm H 4.5mm	8399.95	1	Orthopedics / Knee
ARTHROline punch W 4.6mm H 1.6mm, straight sheath	89140.0102	1	Orthopedics / Knee
ARTHROline punch W 5.5mm H 1.6mm, sheath curved to the left	89140.0101	1	Orthopedics / Knee
ARTHROline punch W 5.5mm H 1.6mm, sheath curved to the right	89140.0103	1	Orthopedics / Knee
ARTHROline hook punch W 3mm H 1.6mm, straight sheath	89140.0202	1	Orthopedics / Knee
Grasping forceps Ø 3.4mm	8488.096	1	Orthopedics / Knee
Meniscus grasping forceps Ø 4/7mm	8403.001	1	Orthopedics / Knee
Treatment of Cartilage Defects – Microfracture			
Curette, round, Ø 4.5mm WL 95mm	8435.902	1	Orthopedics / Knee
Curette, round, Ø 6mm WL 95mm	8435.903	1	Orthopedics / Knee
Microfractor WL 170mm 15°	891631521	1	Orthopedics / Knee
Microfractor WL 170mm 30°	891633021	1	Orthopedics / Knee
Microfractor WL 170mm 35°	891633522	1	Orthopedics / Knee
Microfractor WL 170mm 45°	891634521	1	Orthopedics / Knee
Microfractor WL 170mm 60°	891636021	1	Orthopedics / Knee
Shaver Set			
PowerSpeed AS1 MOTOR CONTROL UNIT 2305	2305001	1	Orthopedics / Motor Systems
Remote footswitch 2 pedals+2 buttons	2305100	1	Orthopedics / Motor Systems
Motor handpiece max. 16000rpm	8995500031	1	Orthopedics / Motor Systems
Resector toothed Ø 4.5mm	89975.0034	1	Orthopedics / Motor Systems
Resector oval, Ø 4.5mm	89975.0114	1	Orthopedics / Motor Systems
Resector aggress Ø 4.7mm	89975.0334	1	Orthopedics / Motor Systems
Acromionizer Ø 5.5mm	89975.0555	1	Orthopedics / Motor Systems
Fluid Management			
FLUID CONTROL arthro/spine suc./irrig.pump bndl	22040011	1	Orthopedics / FLUID CONTROL Suction irrigation pump
Irrigation tube set spike L 3m	4171223	1	
Imaging			
ENDOCAM Logic HD Camera Controller bndl	55251051	1	Imaging / ENDOCAM
ENDOCAM Logic HD camera head cable 3 m	85525922	1	Imaging / ENDOCAM
RIWO zoom lens F 13–29mm	85261504	1	Imaging / ENDOCAM
Light source LED 2.2 bndl	51640011	1	Imaging / Light Sources
Light source LED 1.1 bndl	51600011	1	Imaging / Light Sources
LCD monitor 27" 4K	LMD-X2705N	1	Imaging / Monitors
Monitor mount VESA 75/100	321165001	1	Imaging / Device Carts

arthro *lution* Arthroscope

Overview

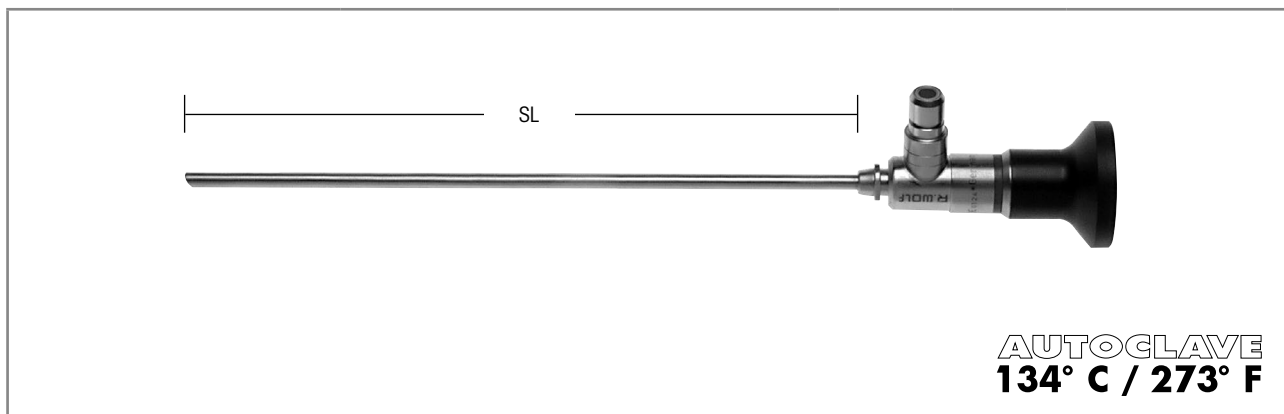
Knee

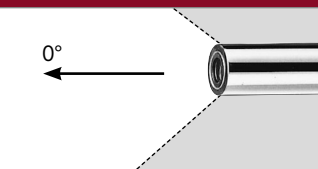
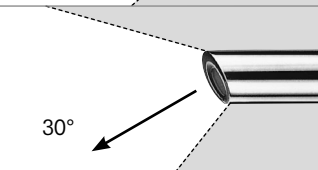
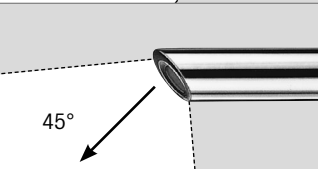
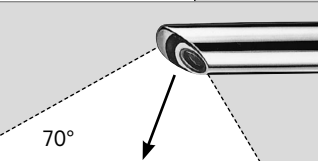
1.1

arthro <i>lution</i>			Fingers, toes	Hand	Foot, elbow		Knee, shoulder, hip
Telescope Ø			1.9 mm	2.4 mm	2.7 mm		4.0 mm
Telescopes	30°	PANOVIEW telescope	8860453	8871413	8476.433	8672.422	8880.543
		PANOVIEW wide angle telescope					8885.443
	70°	PANOVIEW telescope					8880.545
		PANOVIEW wide angle telescope					8885.445
Sheath WL			40 mm	60 mm	77.5 mm	145 mm	130 mm
Sheaths	with 1 irrigation stopcock, fixed		891220124	891220132			
	with 2 irrigation stopcocks, fixed						89121.0260
	with 1 irrigation stopcock, rotatable					891241141	
	with 2 irrigation stopcocks, rotatable			891221232	891221241	891241241	89121.1260
	High-Flow with 1 irrigation stopcock, fixed		891220128				
	High-Flow with 2 irrigation stopcocks, rotatable			891221235			89121.1263
	Small-caliber with 2 irrigation stopcocks, rotatable						891221255
Obturator	blunt				891222754		89121.0544
	semi-blunt		891221952	891222452			89121.0542
	conical blunt				891222750	891242750	89121.0540
	sharp					891242761	89121.0640
	conical pointed		891221962	891222462	891222762		
Sealing part for sheath						891040000	

IV20 || Subject to modifications. Please note that some products may not be available in all countries. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

Arthroscope with PANOVIEW Telescope Ø 4 mm



Direction of view		SL	Ø	Product no.
	PANOVIEW telescope 0° Ø 4mm SL 170mm	170 mm	4.0 mm	8880.541
	PANOVIEW telescope 30° Ø 4mm SL 170mm			8880.543
	PANOVIEW telescope 45° Ø 4mm SL 170mm			8880.544
	PANOVIEW telescope 70° Ø 4mm SL 176mm	176 mm		8880.545

Recommended accessories		Product no.
Reprocess basket	(W x H x D) 287 x 54 x 59 mm	38020.111
Fiber light cable bndl Comprising: Fiber light cable (80663523), adapter, projector to light cable (8095.07), and adapter, light cable to endoscope (809509)	Ø 3.5 mm, 2.3 m long	806635231

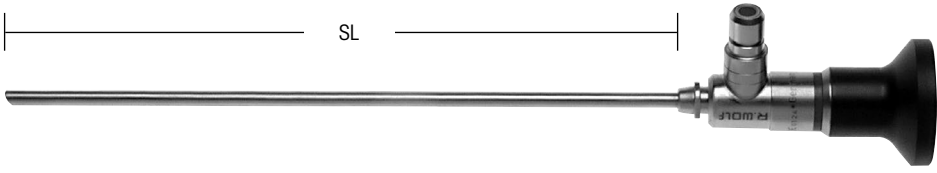
IV20 || Subject to modifications. Please note that some products may not be available in all countries. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

Knee
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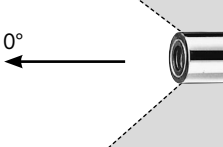
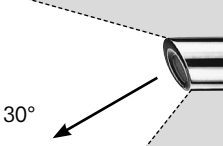
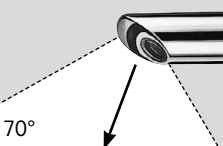
Arthroscope with PANOVIEW Wide Angle Telescope

Knee

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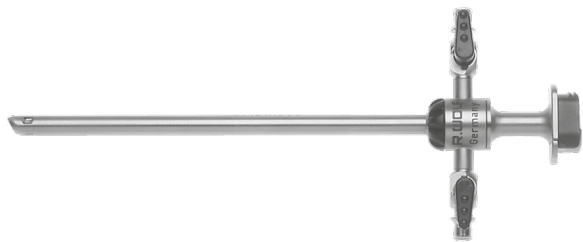

**AUTOCLAVE
134° C / 273° F**

Direction of view		SL	Ø	Product no.
	PANOVIEW Wide angle telescope 0° Ø 4mm SL 171mm	171 mm	4.0 mm	8885.441
	PANOVIEW Wide angle telescope 30° Ø 4mm SL 170mm	170 mm		8885.443
	PANOVIEW Wide angle telescope 70° Ø 4mm SL 176mm	176 mm		8885.445

Recommended accessories		Product no.
Reprocess basket	(W x H x D) 287 x 54 x 59 mm	38020.111
Fiber light cable bndl Comprising: Fiber light cable (80663523), adapter, projector to light cable (8095.07), and adapter, light cable to endoscope (809509)	Ø 3.5 mm, 2.3 m long	806635231

arthro^{lution} Sheath for Arthroscope

with automatic click-lock mechanism

										
							Sheath for arthroscope OD 6mm			
High-Flow	Small-caliber	2 fixed stopcocks	2 rotatable stopcocks	Outer Ø	WL	Product no.				
		●		6.0 mm	132 mm	89121.0260	89121.0544	89121.0542	89121.0540	89121.0640
			●	6.0 mm	130 mm	89121.1260				
●			●	6.3 mm	130 mm	89121.1263				
	●		●	5.5 mm	130 mm	891221255				

Spare parts	Product no.
Irrigation ring with 1 stopcock	150081761
Irrigation ring with 2 stopcocks	150081762
Stopcock insert, bundle, cap 3.0mm (PACK= 5 PCS) Also: Disassembly tool	896.0002 38310.0001
Mounting ring	15008.1704
Spare sealing comprising: O-rings, small / large, 5 of each Also: O-ring tool (disassembly tool)	15176.142 15106.230

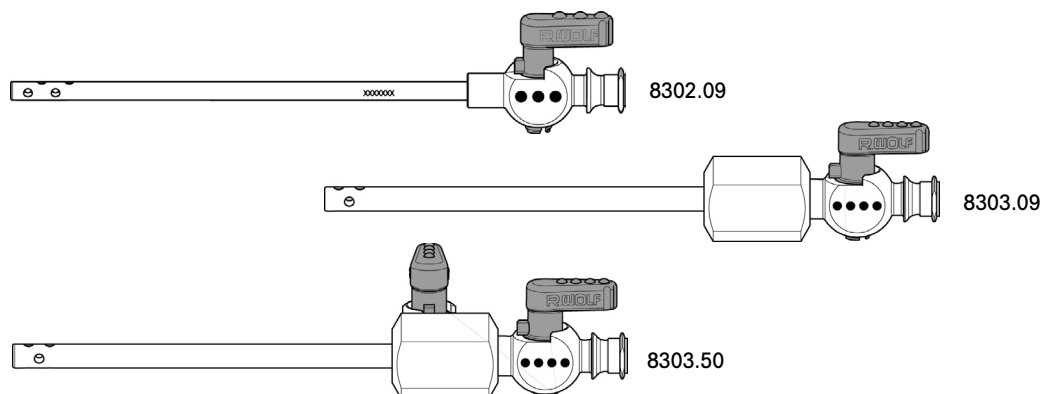
Recommended accessories	Product no.
Sealing part for sheath	89101.0000
Marking rod Ø 4.0mm conical blunt TL 325 mm	8863.75






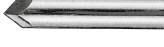

Knee

1.1

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Drainage Cannula Ø 2.3 mm / 3.7 mm




Drainage for cannula and obturator		Capacity	Ø	WL	Product no.
Drainage for cannula Ø 3.2 mm WL 80 mm with 1 insufflation stopcock		2.3 mm	3.2 mm	80 mm	8302.09
Drainage for cannula Ø 4.5 mm WL 71.5 mm with 1 insufflation stopcock		3.7 mm	4.5 mm	71.5 mm	8303.09
Drainage for cannula Ø 4.5 mm WL 71.5 mm with 2 insufflation stopcocks		3.7 mm	4.5 mm	71.5 mm	8303.50
Obturator for cannula OD 3.2 mm sharp, with slanted tip		-	2.3 mm	103 mm	8302.101
Obturator for cannula OD 3.2 mm conical blunt tip		-	2.3 mm	103 mm	8302.11
Obturator for cannula OD 4.5 mm sharp, with pyramid-shaped tip		-	4.5 mm	115 mm	8303.10
Obturator for cannula OD 4.4 mm conical blunt tip		-	4.4 mm	115 mm	8303.11
Also:					
Silicone tube with Luer fitting 886.00	for Drainage for cannula 8302.09		Length 2.0 m		8302.90
Silicone tube with Luer fitting 886.01	for Drainage for cannula 8303.09 / 50				8303.90


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Hook Probe / Marking Rod




	H	WL	Product no.
Hook probe WL 115mm H 7mm, graduated 	7.0 mm	115 mm	8399.901
Hook probe WL 115mm H 4.5mm, graduated 	4.5 mm		8399.95



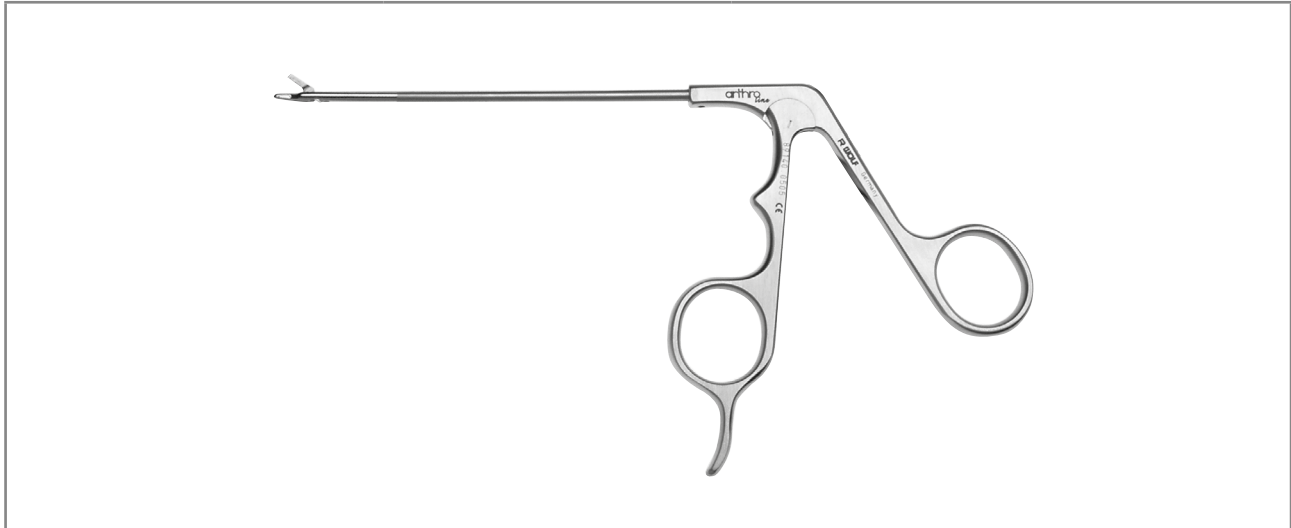
	Ø	TL	Product no.
Hook probe TL 228 mm SZ 4.4mm 	4.4 mm	228 mm	8863.80








	Ø	TL	Product no.
Marking rod Ø 4.0mm conical blunt 	4.0 mm	325 mm	8863.75

arthro *line* Punch

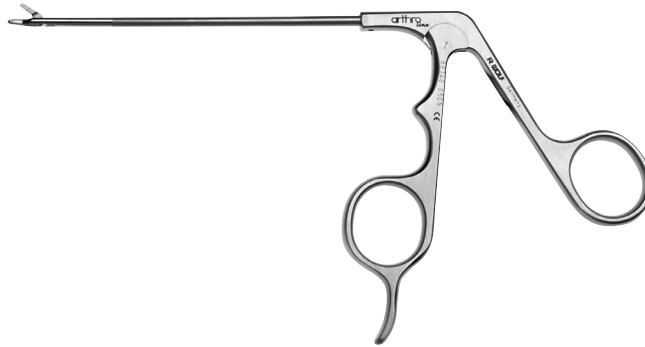
Versions













Version		Use
	Straight	For direct access
	Jaws curved 15° upward	Facilitates use, e.g., around the posterior horn
	Sheath curved 15° upward	Tailored to the anatomy of the condyles
	Curved to the left	Better access to the anterior and posterior meniscus
	Curved to the right	

Knee
1.2

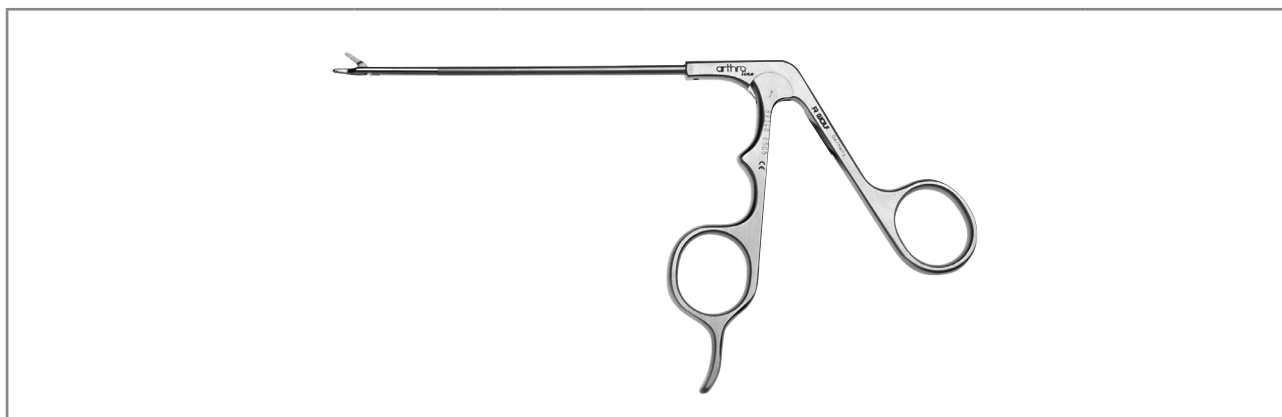
arthro
line Punch



ARTHROline	Jaw section (Height x width)	Cut width	WL	Straight	Curved to the right	Curved to the left	Sheath curved upward	Jaw section curved upward	Product no.		
Punch W 4.6mm H 1.6mm movable jaw section serrated  Sectional view: 	1.6 x 4.6 mm	3.3 mm	120 mm	●					89140.0105		
Punch W 4.6mm H 1.6mm movable jaw section serrated  Sectional view: 								●	89140.0102		
Punch W 4. mm H 1.6mm movable jaw section serrated  Sectional view: 									●	89140.0122	
Punch W 5.5mm H 1.6mm movable jaw section serrated  Sectional view: 										●	89140.0101
Punch W 5.5mm H 1.6mm movable jaw section serrated  Sectional view: 										●	89140.0103

IV20 || Subject to modifications. Please note that some products may not be available in all countries. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

arthro
line Hook Punch / Basket Punch



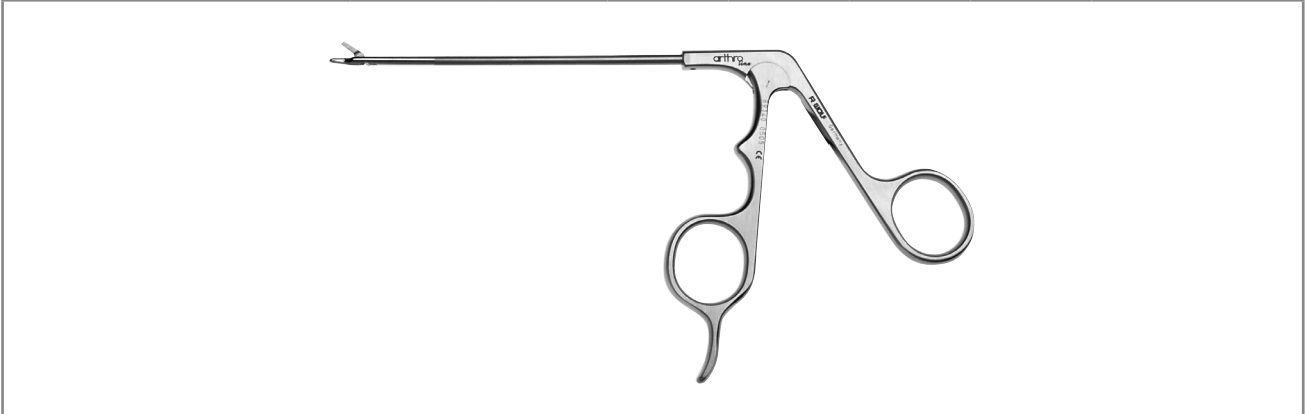
ARTHROline	Jaw section (Height x width)	Cut width	WL	Straight	Jaw section curved upward	Product no.
Hook punch W 3mm H 1.6mm  Sectional view: 	1.6 x 3.0 mm	1.8 mm	120 mm	●		89140.0205
Hook punch W 3mm H 1.6mm  Sectional view: 				●	89140.0202	
Basket punch W 6.5mm H 2.1mm oval  Sectional view: 	2.1 x 6.5 mm	4.5 mm		●		89140.0305
Basket punch W 6.5mm H 2.1mm oval  Sectional view: 				●	89140.0302	
Hook punch W 4mm H 2.1mm  Sectional view: 	2.1 x 4.0 mm	2.1 mm		●		89140.0405
Hook punch W 4 mm H 2.1mm  Sectional view: 				●	89140.0402	









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Knee

1.2

arthro
line Punch / Scissors Punch






ARTHROline	Jaw section (Height x width)	Cut width	WL	Straight	Retrograde cutting	Jaw section curved upward	Product no.
Scissors punch W 2.4mm H 2.1 mm  Sectional view: 	2.1 x 2.4 mm	0.9 mm	120 mm	●			89140.0505
Scissors punch W 2.4mm H 2.1 mm  Sectional view: 					●		89140.0502
Punch W 5.7mm H 4mm retrograde left-cutting  Sectional view: 	4.0 x 5.7 mm	2.3 mm		●	left		89140.0605
Punch W 5.7mm H 4mm retrograde right-cutting  Sectional view: 				●	right		89140.0602

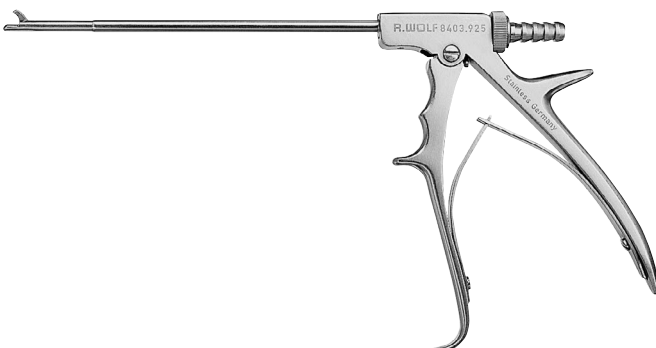
Suction Punch / Suction Grasping Forceps with Integrated Suction Channel



Knee

1.2



With integrated suction channel	Ø	WL	Product no.
Suction punch Ø 2.7mm  can be dismantled	2.7 mm	110 mm	89140.0027
Suction punch Ø 4.5mm  can be dismantled	4.5 mm		89140.0045









With integrated suction channel	Sheath Ø	WL	Product no.
Suction punch Ø 4.5mm straight 	4.5 mm	130 mm	8403.925
Suction grasping forceps straight 			8403.851

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Hook Punch / Punch






	Jaw section (Height x width)	Cut width	WL	Straight	Curved to the left	Curved to the right	Sheath curved 15° upward	Jaw section curved upward	Product no.	
Hook punch Ø 3.4mm with shovel	3.4 x 3.4 mm	1.6 mm	130 mm	●					8488.951	
				●					8488.952	
					●					8488.953
Sectional view: 						●			●	8488.954
Hook punch Ø 3.4mm	3.4 x 3.4 mm	1.6 mm		●					8488.02	
									●	8488.025
Hook punch Ø 3.4mm serrated	1.93 x 3.9 mm	2.7 mm		●					8488.121	
										●
Hook punch Ø 4.5mm with shovel, serrated	1.73 x 5.4 mm	3.4 mm							●	8489.063
										
Sectional view: 										

Punch

Knee

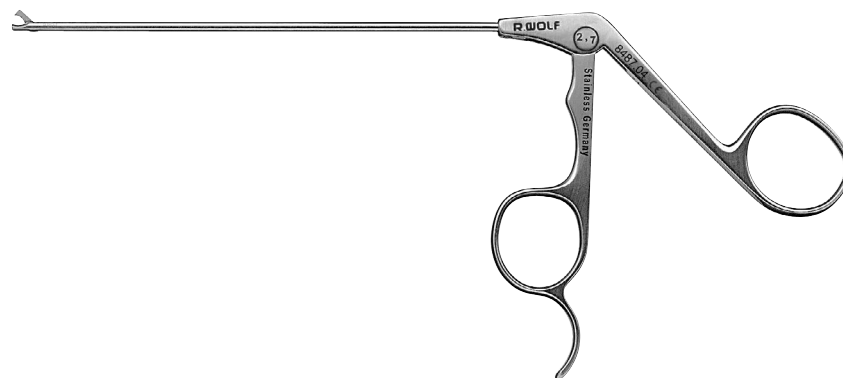
1.2








	Jaw section (Height x width)	Jaw section deflection	Cut width	WL	Product no.
Punch Ø 3.4mm front- and side-cutting  Sectional view: <input type="checkbox"/>	2.2 x 5.3 mm	90° left	3.4 mm	130 mm	8404.017
		90° right			8404.018
Hook punch with shovel Ø 3.4mm  Sectional view: <input type="checkbox"/>	2.1 x 2.0 mm	45° left	1.7 mm		8404.71*
		45° right			8404.81*

* particularly suitable for lateral cutting and smoothing

Scissors



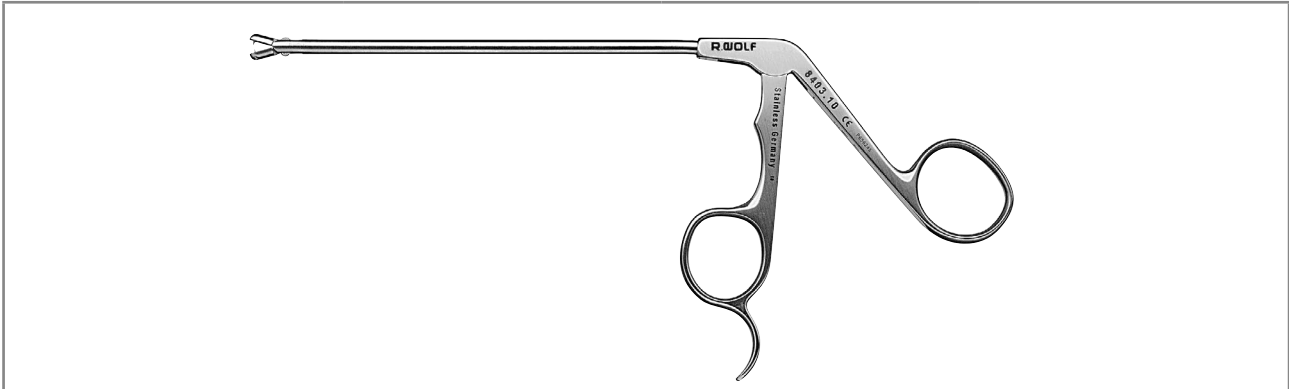
	WL	Straight jaw section	Straight sheath	Sheath curved to the left	Sheath curved to the right	Product no.	
Hook scissors Ø 2.7mm 	130 mm	●	●			8487.04	
Hook scissors Ø 3.4mm 		●	●			8488.04	
Micro scissors Ø 3.4mm  Sectional view: 		●		●		8488.041	
		●			●		8488.042
		●	●				8488.051
			●			●	8488.052
			●			●	8488.053
		WL	Jaw section deflection	Straight sheath		Product no.	
Hook scissors Ø 3.4mm 	130 mm	45° left	●		8404.52		
		45° right	●		8404.62		

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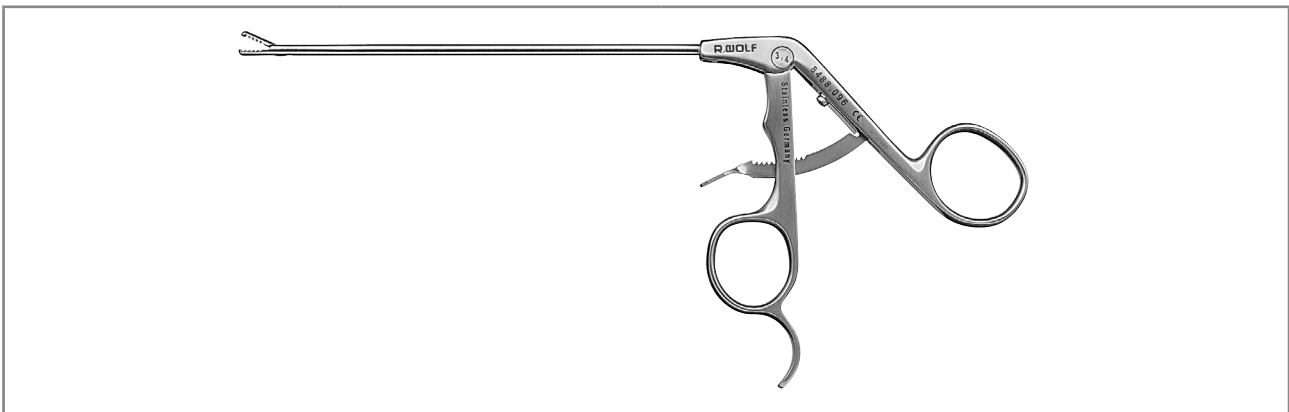
Forceps

Knee

1.2



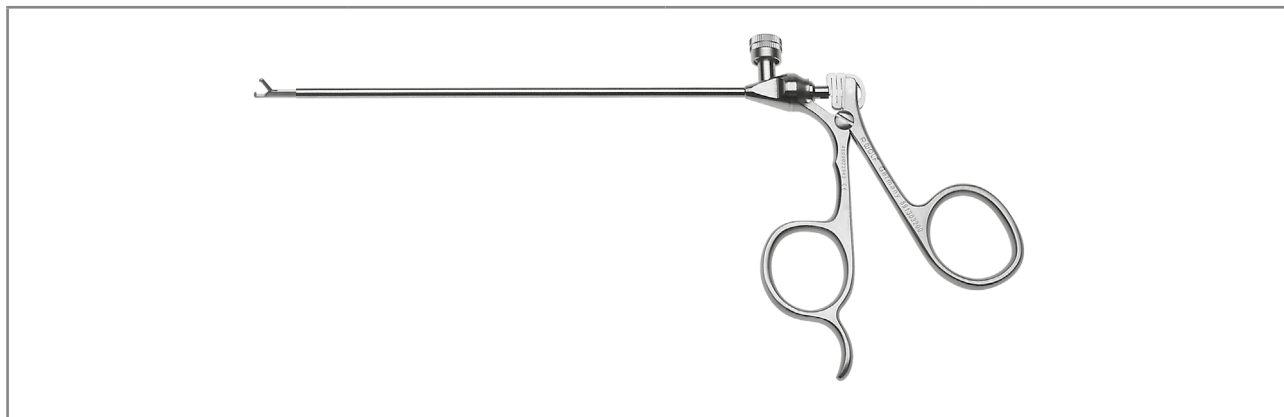
For retraction	Ø	WL	Product no.
Biopsy forceps with spike Ø 4.5mm smooth, double-action	4.5 mm	130 mm	8403.10




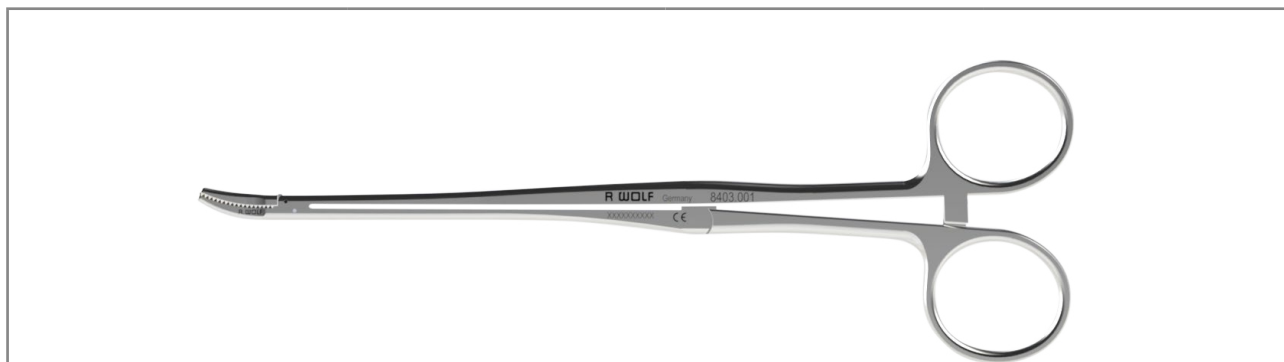
Handle with lock	Ø	WL	Product no.
Grasping forceps Ø 3.4mm straight jaw section, serrated	3.4 mm	130 mm	8488.096
Grasping forceps Ø 4.5mm straight jaw section, serrated	4.5 mm	134 mm	8489.096





Suture Grasping Forceps / Meniscus Grasping Forceps



	Ø	WL	Product no.
Suture grasping forceps Ø 3.3mm Straight 	3.3 mm	160 mm	891303300



Sheath with cleaning groove






	Ø	WL	Product no.
Meniscus grasping forceps Ø 4/7mm with gripping tooth 	4 / 7 mm	105 mm	8403.00
Meniscus grasping forceps Ø 4/7 mm 			8403.001

Scalpel / Knife



Knee





1.2

	WL	Product no.
Straight scalpel WL 125mm 		8436.101
Rosette knife WL 125mm 		8436.151
Hook knife WL 125mm 	125 mm	8436.201
Banana knife WL 125mm 		8436.251
Straight arthro knife WL 125mm 		8436.301

Hand Instruments

Curette



	Ø	WL	Product no.
 Curette square Ø 4.5mm WL 170mm double-blade and curved upward	4.5 mm	170 mm	891632245
 Curette square Ø 5mm WL 170mm double-blade and curved upward	5.0 mm		891632260
 Curette round Ø 4.8mm WL 170mm double-blade and curved upward	4.8 mm		891631255
 Curette round Ø 6.3mm WL 170mm double-blade and curved upward	6.3 mm		891631270





Hand Instruments

Curette

Knee

1.3



		Inner Ø	WL	Product no.
<p>Curette, round Ø 3mm WL 95mm</p> <p>sharp at one end, curved upward, forward cutting</p> 		3.0 mm	95 mm	8435.901
<p>Curette, round Ø 4.5mm WL 95mm</p> <p>sharp at one end, curved upward, forward cutting</p> 		4.5 mm		8435.902
<p>Curette, round Ø 6mm WL 95mm</p> <p>sharp at one end, and curved upward, forward cutting</p> 		6.0 mm		8435.903
<p>Curette, round Ø 9mm WL 95mm</p> <p>sharp at one end, and curved upward, forward cutting</p> 		9.0 mm		89160.1009

Hand Instruments

Microfractor

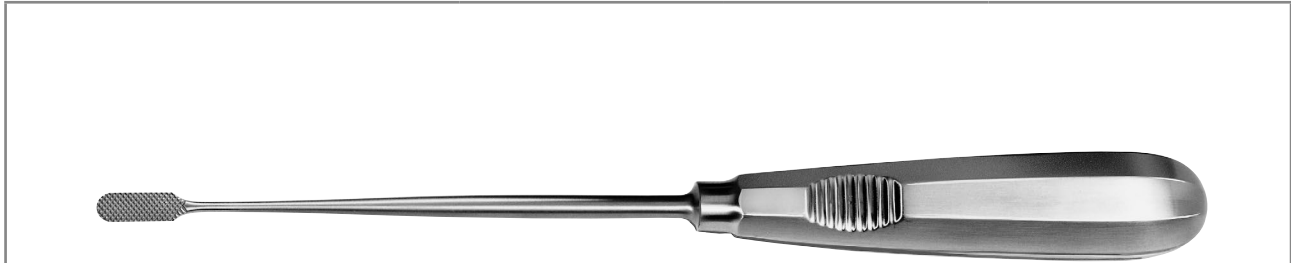


	Deflection	WL	Product no.
Microfractor WL 170mm 15°	Curved 15°	170 mm	891631521
Microfractor WL 170mm 30°	Curved 30°		891633021
Microfractor WL 170mm 45°	Curved 45°		891634521
Microfractor WL 170mm 35°	35° S-shaped		891633522
Microfractor WL 170mm 60°	Curved 60°		891636021
Microfractor WL 170mm 60°	60° S-shaped		891636022
Microfractor WL 170mm 80°	Curved 80°		891638021
Microfractor WL 165mm 30°	Curved 30°		65 mm
Microfractor WL 165mm 45°	Curved 45°	891644511	
Microfractor WL 165mm 60°	Curved 60°	891646011	

IV20 || Subject to modifications. Please note that some products may not be available in all countries. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.






Hand Instruments

Cartilage File, Spoon, Curette

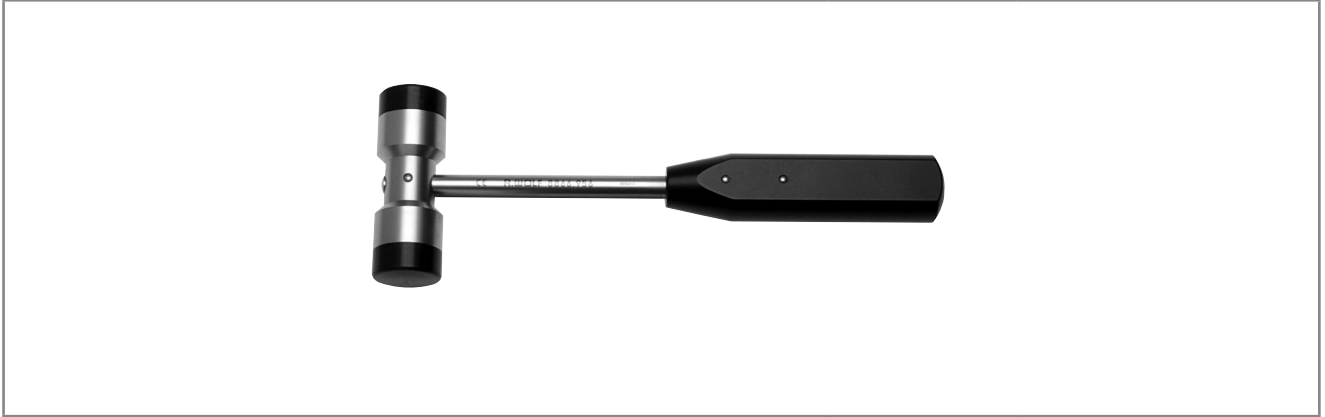


Knee

1.4

	Version	WL	Product no.
<p>Cartilage file straight WL 125mm W 6.25mm</p>  <p>rough</p>	Straight	125 mm	8436.501
<p>Cartilage file convex WL 125mm W 6.25mm</p>  <p>rough</p>	Convex		8436.511
<p>Cartilage file concave WL 125mm W 6.25mm</p>  <p>W 6.25 mm, rough</p>	Concave		8436.521
<p>Spoon Ø 6.5 x 10mm WL 125mm</p>  <p>rough</p>	Curved		8436.601
<p>Curette round Ø 5mm WL 125mm</p>  <p>double-blade</p>	Angled		8436.701

ACL Hammer



	TL	Product no.
ACL hammer TL 248mm	248 mm	8866.956

Knee
1.4

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Modular concept

The system's outstanding performance is provided by its unparalleled diversity and universality. **Graftline** offers highly specialized – and in some cases patented – technology for a huge range of surgical options.

- **Efficiency goes hand in hand.** Minimal handles and intuitive connection options for all instruments save on space and weight.
- **ACL and PCL in one instrument.** **Graftline** provides the instruments for anterior and posterior cruciate ligament plastic surgery in intelligent combinations.
- **Well prepared for optimum grip.** With the Graftline instruments and implants, the surgeon is perfectly prepared for all eventualities, for example, if reruptures occur.

A choice of fixing options

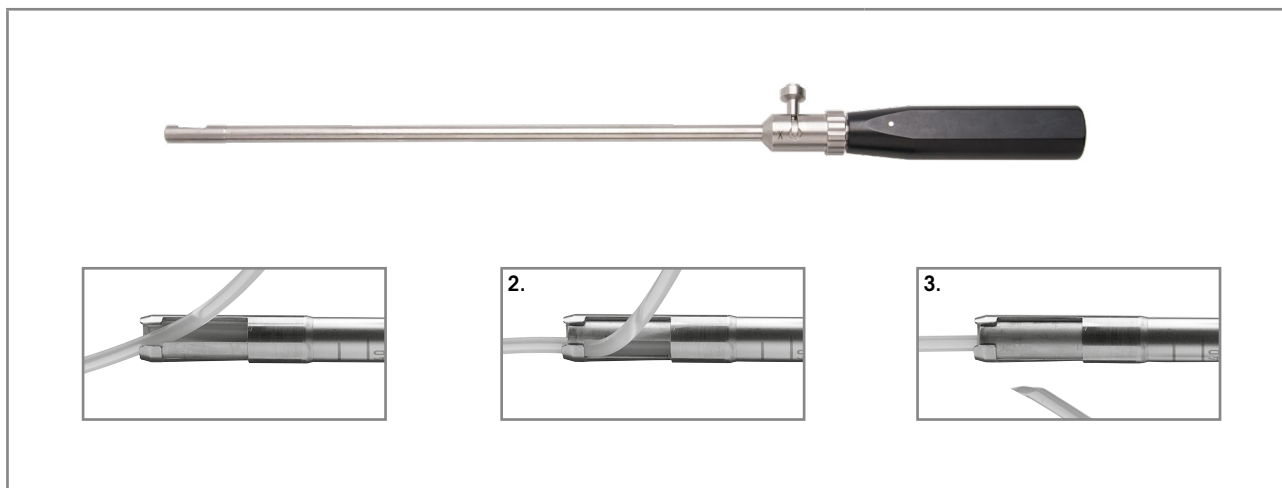
Graftline allows the ideal fixation method to be selected for the cruciate ligament graft, without the need for major adjustments. We offer a tried-and-tested range of fixing implants.


Unique perspectives

Graftline gives surgeons access to all methodological channels – from standard techniques to innovative specific solutions. BTB, BT grafts, hamstrings, allografts, oval tunnel technique, and hollow-burr technique: one system – a wealth of possibilities.

Removal of an Autologous Tendon










Semitendinosus Tendon and/or Gracilis Tendon






1. Retract		2. Secure		3. Sever	
		Ring Ø	WL	Product no.	
 <p>Tendon stripper, universal 300mm, SZ8 mm</p> <p>by Pässler</p> <ul style="list-style-type: none"> • Universal use: open / closable / cutting function • Blunt distal end • Can be disassembled 		8.0 mm	300 mm	8866.951	

		Ring Ø	WL	Product no.	
 <p>Tendon stripper, standard 300 mm, size 7 mm</p> <ul style="list-style-type: none"> • Closed • Sharp distal end 		8.0 mm	300 mm	891610070	

IV20 || Subject to modifications. Please note that some products may not be available in all countries. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

			Product no.
Preparation table 		<ul style="list-style-type: none"> Stable table design for efficient graft preparation 	88669023
Transplant template SZ 5-13mm oval-shaped tunnels D 5 x 10, D 6 x 12, D 7 x 14 		<ul style="list-style-type: none"> Quick and simple determination of graft diameter Additional oval templates for precise determination of graft diameter for oval tunnels 	8866953
Clamp insert 		<ul style="list-style-type: none"> Holds the clamps 	8866962
Clamp small TL 125mm		<ul style="list-style-type: none"> Holds the graft during preparation 	TL 125 mm 8866938
Clamp large TL 130mm			TL 130 mm 8866939
Hook clamp 		<ul style="list-style-type: none"> Holds a tendon loop for hamstring grafts 	8866935
Parallel screw clamp 		<ul style="list-style-type: none"> Holds bone-tendon grafts Drill hole for shuttle suture possible via guide in the clamp screw 	8866961
RIWObutton interface 		<ul style="list-style-type: none"> Holds the RIWObutton and similar implants Sets the loop length on the preparation table 	8866969
Tendon transplantat BT / BTB 6mm 		<ul style="list-style-type: none"> Holds bone-tendon- and hamstring grafts (tendon knot – press-fit technique) 	Ø 6.0 mm 8866966
			Ø 8.0 mm 8866968
Leading hook 		<ul style="list-style-type: none"> Holds a tendon loop for hamstring grafts → Pretensions the graft 	8866936

IV20 || Subject to modifications. Please note that some products may not be available in all countries. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

	With coupling	Cannulated	Product no.
Modular handle Straight 		Inner Ø 3.5 mm	893011135
Modular handle impact / deflection plate 	●	Inner Ø 3.5 mm	893011136
Modular handle ID 3.2mm L-shaped 		Inner Ø 3.2 mm	893011132

Preparing the Femoral Tunnel





Femoral aiming devices



891013 050/060/070/080/510/612/714



891014 070/080/090/100

ACL		Size	Color coding	Ø	WL	Product no.
 cannulated, for the anteromedial portal	ACL aiming device SZ 5mm	5 mm	blue	2.5 mm	120 mm	891013050
	ACL aiming device SZ 6mm	6 mm	green			891013060
	ACL aiming device SZ 7mm	7 mm	red			891013070
	ACL aiming device SZ 8mm	8 mm	none			891013080
 cannulated, for the anteromedial portal	ACL aiming device SZ 5x10mm	oval 5 x 10 mm	blue	2.5 mm	120 mm	891013510
	ACL aiming device SZ 6x12mm	oval 6 x 12 mm	green			891013612
	ACL aiming device SZ 7x14mm	oval 7 x 14 mm	red			891013714
 cannulated, for the transtibial portal	ACL aiming device AT SZ 5mm	5 mm	blue	2.5 mm	120 mm	891015050
	ACL aiming device AT SZ 6mm	6 mm	green			891015060
	ACL aiming device AT SZ 7mm	7 mm	red			891015070
PCL						
 cannulated, for the anteromedial portal	PCL aiming device AL SZ 7mm	7 mm	red	2.5 mm	120 mm	891014070
	PCL aiming device AL SZ 8mm	8 mm	none			891014080
	PCL aiming device AL SZ 9mm	9 mm	yellow			891014090
	PCL aiming device AL SZ 10mm	10 mm	white			891014100

● For use with the modular handles

IV20 || Subject to modifications. Please note that some products may not be available in all countries. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

Preparing the Femoral Tunnel
Instruments

UniCracker



For use with the modular handles

WL

Product no.

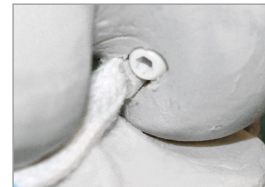


Univ. tunnel notcher
Ø 4–9 mm WL 130mm

Impacting chisel for indentation of the tunnel
from Ø 4 to 9 mm, cannulated 2.5 mm

130 mm

891611110



For use with the modular handles

WL

Product no.

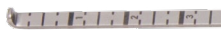


Notch chisel WL 130mm
one-sided grinding
cannulated, Ø 2.5 mm

Gentle graft fixation when using interference screws

130 mm

891511000



Tunnel probe WL 140 mm
graduated

For determining the length of the femoral tunnel –
particularly when using the RIWObutton
to determine the loop length

WL



Product no.


140 mm





891510012

Preparing the Femoral Tunnel

Instruments for preparing oval tunnels







For use with the modular handles			Size	Color coding	WL	Product no.
 <p>Tunnel rasp oval, cannulated Ø 2.5 mm</p>	<p>Tunnel rasp Ø 5 x 10mm WL 130mm</p>	For preparing the oval-shaped femoral tunnel on the joint side	5 x 10 mm	blue	130 mm	891611101
	<p>Tunnel rasp Ø 6 x 12mm WL 130mm</p>		6 x 12 mm	green		891611102
	<p>Tunnel rasp Ø 7 x 14mm WL 130mm</p>		7 x 14 mm	red		891611103




					
			∅	WL	Product no.
 Compactor cannulated ∅ 2.5 mm graduated	Compactor SZ 8	Compacting the spongiosa during simultaneous, asymmetric formation of the femoral tunnel using a compactor head flattened at the side. For the positioning and press-fit anchorage of bone plugs for BT and BTB grafts. ● For use with the modular handles	8.0	290 mm	891511708
	Compactor SZ 9		9.0		891511709
	Compactor SZ 10		10.0		891511710
Also:					
	Deflection sleeve	For removal of compactors			8868.992
	Tunnel stopper	For the direct closure of tibial drill holes			8868.941

Preparing the Tibial Tunnel

Hollow drill extension set for harvesting bone cylinders

Double-bundle ACL reconstruction		Product no.
 <p>Alignment arc ZG tibial ACL right For the double-bundle technique on the right knee</p>	<p>The special shape of the respective aiming device takes into account the anatomical characteristics of the right and left knees.</p> <p>Two alignment wires are drilled in succession. Following the first drilling operation, the distal fork is created on the first alignment wire → the second alignment wire is drilled at a defined distance.</p>	8874130
 <p>Alignment arc ZG tibial ACL left For the double-bundle technique on the left knee</p>		88741301



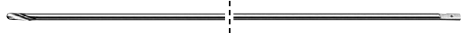


PCL reconstruction		Product no.
 <p>Alignment spoon ZG PCL</p>	<ul style="list-style-type: none"> ● The alignment spoon protects the dorsal structures when drilling the alignment wire 	8874129

		WL	Ø	Product no.
 <p>Impactor, cannulated For alignment wire / Kirschner wire Ø 2.5 mm</p>	Impactor Ø 5mm WL 150mm	150 mm	5.0 mm	88660011
	Impactor Ø 5.5mm WL 150mm		5.5 mm	88660012
	Impactor Ø 6.0mm WL 150mm		6.0 mm	8866.001
	Impactor Ø 6.5mm WL 150mm		6.5 mm	8866.002
	Impactor Ø 7.0mm WL 150mm		7.0 mm	8866.003
	Impactor Ø 7.5mm WL 150mm		7.5 mm	8866.004
	Impactor Ø 8.0mm WL 150mm		8.0 mm	8866.005
	Impactor Ø 8.5mm WL 150mm		8.5 mm	8866.006
	Impactor Ø 9.0mm WL 150mm		9.0 mm	8866.007
	Impactor Ø 9.5mm WL 150mm		9.5 mm	8866.008
	Impactor Ø 10.0mm WL 150mm		10.0 mm	8866.009
	Impactor Ø 10.5mm WL 150mm		10.5 mm	8866.011
Impactor Ø 11.0mm WL 150mm	11.0 mm	8866.012		
 <p>Stepped impactor, cannulated For alignment wire / Kirschner wire Ø 2.5 mm</p>	Staged impactor Ø 8/5mm WL 150mm	150 mm	8/5 mm	8866.014
	Staged impactor Ø 9/6mm WL 150mm		9/6 mm	8866.015
	Staged impactor Ø 10/6mm WL 150mm		10/6 mm	8866.016
	Staged impactor Ø 11/6mm WL 150mm		11/6 mm	8866.017
	Staged impactor Ø 12/6mm WL 150mm		12/6 mm	8866.018
Also:			Dimensions	Product no.
	TRAY W 412 mm H 33.5 mm for impactor set based on Pässler	For storing and sterilizing up to 14 impactors	(L x W x H) 410 x 295 x 22 mm	8866.982

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Preparing the Tibial Tunnel

Cannulated head drill

		WL	Ø	Product no.
  Head drill cannulated, Ø 2.65 mm TiN coating For alignment wire / Kirschner wire Ø 2.5 mm	Head drill Ø 4.5mm	145 mm	4.5 mm	89960.1045
	Head drill Ø 5mm		5.0 mm	89960.1050
	Head drill Ø 5.5mm		5.5 mm	89960.1055
	Head drill Ø 6mm		6.0 mm	89960.1060
	Head drill Ø 6.5mm		6.5 mm	89960.1065
	Head drill Ø 7mm		7.0 mm	89960.1070
	Head drill Ø 7.5mm		7.5 mm	89960.1075
	Head drill Ø 8mm		8.0 mm	89960.1080
	Head drill Ø 8.5mm		8.5 mm	89960.1085
	Head drill Ø 9mm		9.0 mm	89960.1090
	Head drill Ø 9.5mm		9.5 mm	89960.1095
	Head drill Ø 10mm		10.0 mm	89960.1010
	Head drill Ø 10.5mm		10.5 mm	89960.1910
	Head drill Ø 11mm		11.0 mm	89960.1011
	Head drill Ø 11.5mm		11.5 mm	89960.1911
Head drill Ø 12mm	12.5 mm	89960.1012		
Head drill Ø 12.5mm	12.5 mm	89960.1912		
Head drill Ø 13mm	13.0 mm	89960.1013		
 Kirschner alignment wire Ø 2.5mm triangular grinding		TL 300 mm without suture eyelet	2.5 mm	89120.3025
 Kirschner alignment wire Ø 2.5mm spiral grinding		TL 310 mm without suture eyelet	2.5 mm	89960.1025
 Kirschner alignment wire Ø 2.5mm spiral grinding		TL 430 mm with suture eyelet	2.5 mm	89960.1125





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Sterilization Basket for Instruments

Knee Arthroscopy

Sterilization – storage – transport


		Width mm	Total height mm	Depth mm	Product no.
 <p>For hand instruments, punches, telescopes, and meniscus instruments, etc.</p>	<p>Instrument basket knee basic tray Comprising: Basket lower part, 2 instrument racks with support bars and silicone holders for "knee" basic instrument set, basket lid with spring lock and 2 handles</p>	530	150	250	85841221
 <p>For modular handles, ACL/PCL aiming devices, tendon strippers, hammers, etc.</p>	<p>Instrument basket ACL/PCL 1 Comprising: Basket lower part, 2 instrument racks with support bars and silicone holders as well as additional level for ACL/PCL 1 instruments, basket lid with spring lock and 2 handles</p>	530	150	250	85841220
 <p>For impactors, modular instruments, compressed air drill with hollow burr and accessories, etc.</p>	<p>Instrument basket ACL/PCL 2 Comprising: Basket lower part, 2 instrument racks with support bars and silicone holders for ACL / PCL 2 instruments, basket lid with spring lock and 2 handles</p>	530	150	250	85841219
 <p>For preparation table and accessories</p>	<p>Instrument sieve-workplate Comprising: Basket lower part, 2 instrument racks with support bars and silicone holders for preparation table, basket lid with spring lock and 2 handles</p>	530	150	250	85841218

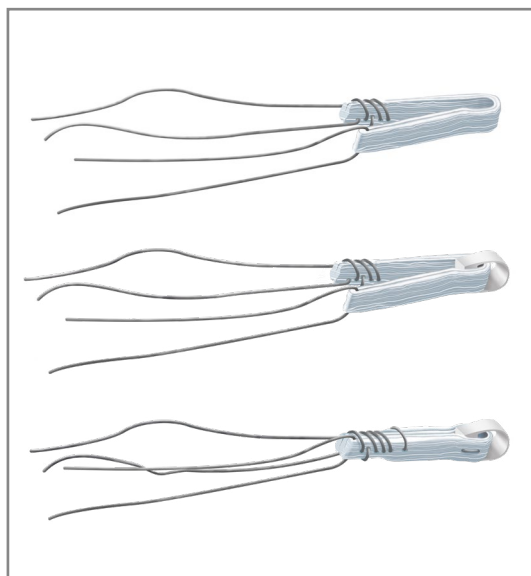
Suitable for standard container


graft^{line}

Graft Fixation

Tendon anchor / RIWObutton

Tendon anchor		Size	Product no.
<p>T-Lock OSTEOTRANS</p>  <p>T-Lock OSTEOTRANS tendon anchor, sterile</p>		6	OLRA-6
		7	OLRA-7
		8	OLRA-8
		9	OLRA-9



RIWObutton		Ø	Loop length	Product no.
 <p>RIWObutton sterile, for tendon fixation, 2 threads (green/white)</p>	RIWObutton 15mm	0.7 mm	15 mm	491801015
	RIWObutton 20mm		20 mm	491801020
	RIWObutton 25mm		25 mm	491801025

BioactIF OSTEOTRANS

"BK" interference screws*



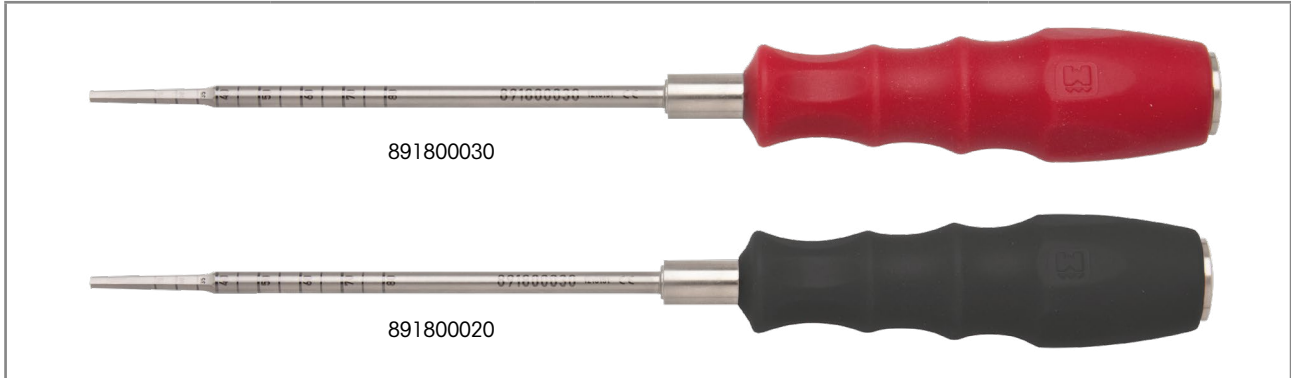
	Thread Ø	Length	Hole	Product no.
BioactIF OSTEOTRANS 6 X 20, sterile	6 mm	20 mm	1.7 mm	BK0620
BioactIF OSTEOTRANS 7 X 20, sterile	7 mm	20 mm		BK0720
BioactIF OSTEOTRANS 7 X 25, sterile		25 mm		BK0725
BioactIF OSTEOTRANS 7 X 30, sterile		30 mm		BK0730
BioactIF OSTEOTRANS 8 X 20, sterile	8 mm	20 mm		BK0820
BioactIF OSTEOTRANS 8 X 25, sterile		25 mm		BK0825
BioactIF OSTEOTRANS 8 X 30, sterile		30 mm		BK0830
BioactIF OSTEOTRANS 9 X 20, sterile	9 mm	20 mm		BK0920
BioactIF OSTEOTRANS 9 X 25, sterile		25 mm		BK0925
BioactIF OSTEOTRANS 9 X 30, sterile		30 mm		BK0930
BioactIF OSTEOTRANS 10 X 25, sterile	10 mm	25 mm		BK1025
BioactIF OSTEOTRANS 10 X 30, sterile		30 mm		BK1030
Also:				Product no.
Screwdriver BK SZ 6MM for screw size 6 mm	Cannulated, color code black, graduated			891800020
Screwdriver OK/BK SZ 7-11mm for screw size 7-11 mm	Cannulated, color code red, graduated			891800030



BioactIF OSTEOTRANS


"OK" interference screws*




	Thread Ø	Length	Hole	Product no.
BioactIF OSTEOTRANS 7 X 25, sterile	7 mm	25 mm	2.2 mm	OK0725A
BioactIF OSTEOTRANS 7 X 30, sterile		30 mm		OK0730A
BioactIF OSTEOTRANS 8 X 25, sterile	8 mm	25 mm		OK0825
BioactIF OSTEOTRANS 8 X 30, sterile		30 mm		OK0830
BioactIF OSTEOTRANS 9 X 25, sterile	9 mm	25 mm		OK0925
BioactIF OSTEOTRANS 9 X 30, sterile		30 mm		OK0930
Also:				Product no.
Screwdriver OK/BK SZ 7 -11mm for screw size 7-11 mm	Cannulated, color code red, graduated			891800030



Screwdriver		For interference screws with thread size	Product no.
	Screwdriver OK/BK SZ 7 -11mm cannulated, color code red, graduated	7-11 mm	891800030
	Screwdriver BK SZ 6MM cannulated, color code black	6 mm	891800020



Guide wire		Ø	TL	Product no.
	Nitinol guide wire Ø 1.2mm	1.2 mm	350 mm	89120.2012
	Nitinol guide wire Ø 1.5mm	1.5 mm		89120.2015
	Nitinol guide wire Ø 2.0mm	2.0 mm		89120.2020

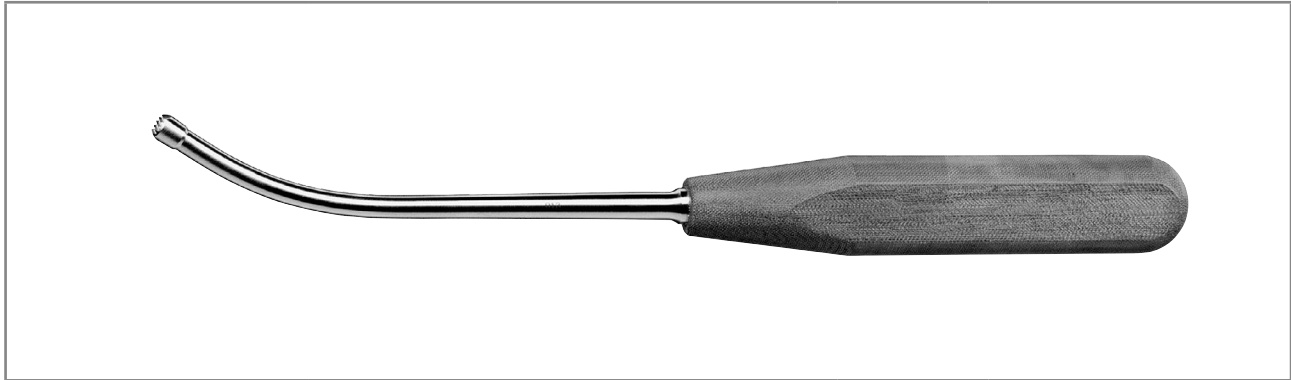



Thread cutter		For OK screws	Product no.
	Thread cutter for OK screws SZ 7 mm	Size 7 mm	891800700
	Thread cutter for OK screws SZ 8 mm	Size 8 mm	891800800
	Thread cutter for OK screws SZ 9 mm	Size 9 mm	891800900

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Graft Fixation

Implant-free press-fit fixation for patella or quadriceps tendon



		WL	Product no.
 <p>Curved pusher, WL 110mm</p>	<p>Reimplantation and press-fit fixation of the bone plugs of BT and BTB grafts. Straight version available on request.</p>	<p>110 mm</p>	<p>8869.991</p>



Shoulder

Shoulder

1 Standard Equipment / Arthroscopes

2 ARTHROline Punches

3 Hook Probe / Marking Rod

4 Reconstructive Shoulder Arthroscopy

Basic Equipment

for shoulder arthroscopy

Product	Product no.	Quantity	Catalog / Section
Endoscopes and Instruments			
PANOVIEW telescope 30° Ø 4mm SL 170mm	8880.543	1	Orthopedics / Shoulder
Fiber light cable bndl, Ø 3.5mm, 2.3m long	806635231	1	Orthopedics / Shoulder
Sheath for arthroscope OD 6mm	89121.1260	1	Orthopedics / Shoulder
Obturator for arthroscope OD 5.5/6/6.3mm tip, semi-blunt	89121.0542	1	Orthopedics / Shoulder
Hook probe WL 115mm H 4.5mm graduated	8399.95	1	Orthopedics / Shoulder
ARTHROline punch W 4.6mm H 1.6mm jaws curved upward	89140.0102	1	Orthopedics / Shoulder
ARTHROline punch W 5.5mm H 1.6mm jaws curved upward, sheath curved to the left	89140.0103	1	Orthopedics / Shoulder
ARTHROline punch W 4.6mm H 1.6mm jaw section serrated, sheath curved upward	89140.0122	1	Orthopedics / Shoulder
ARTHROline hook punch W 4mm H 21.1mm straight jaw section	89140.0405	1	Orthopedics / Shoulder

Overview

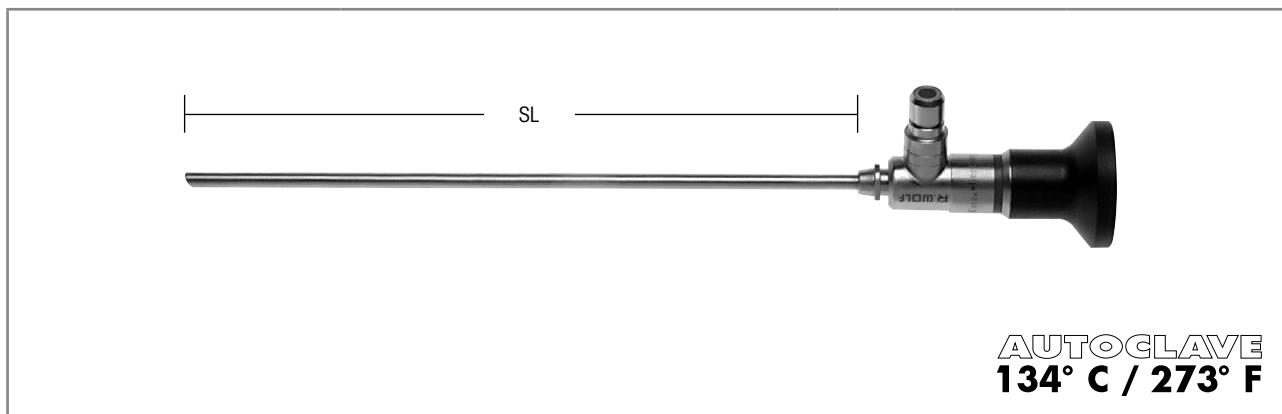
Shoulder

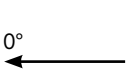


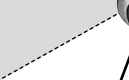
2.1

arthro <i>lution</i>			Fingers, toes	Hand	Foot, elbow		Knee, shoulder, hip
Telescope Ø			1.9 mm	2.4 mm	2.7 mm		4.0 mm
Telescopes	30°	PANOVIEW telescope	8860453	8871413	8476.433	8672.422	8880.543
		PANOVIEW wide angle telescope					8885.443
	70°	PANOVIEW telescope					8880.545
		PANOVIEW wide angle telescope					8885.445
Sheath WL			40 mm	60 mm	77.5 mm	145 mm	130 mm
Sheaths	with 1 irrigation stopcock, fixed		891220124	891220132			
	with 2 irrigation stopcocks, fixed						89121.0260
	with 1 irrigation stopcock, rotatable					891241141	
	with 2 irrigation stopcocks, rotatable			891221232	891221241	891241241	89121.1260
	High-Flow with 1 irrigation stopcock, fixed		891220128				
	High-Flow with 2 irrigation stopcocks, rotatable			891221235			89121.1263
	Small-caliber with 2 irrigation stopcocks, rotatable						891221255
Obturator	blunt				891222754		89121.0544
	semi-blunt		891221952	891222452			89121.0542
	conical blunt				891222750	891242750	89121.0540
	sharp					891242761	89121.0640
	conical pointed		891221962	891222462	891222762		
Sealing part for sheath						891040000	

IV20 || Subject to modifications. Please note that some products may not be available in all countries. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

Arthroscope with PANOVIEW Telescope Ø 4 mm



Direction of view		SL	Ø	Product no.
	PANOVIEW telescope 0° Ø 4mm SL 170mm	170 mm	4.0 mm	8880.541
	PANOVIEW telescope 30° Ø 4mm SL 170mm			8880.543
	PANOVIEW telescope 45° Ø 4mm SL 170mm			8880.544
	PANOVIEW telescope 70° Ø 4mm SL 176mm	176 mm		8880.545

Recommended accessories		Product no.
Reprocess basket	(W x H x D) 287 x 54 x 59 mm	38020.111
Fiber light cable bndl Comprising: Fiber light cable (80663523), adapter, projector to light cable (8095.07), and adapter, light cable to endoscope (809509)	Ø 3.5 mm, 2.3 m long	806635231

Shoulder

2.1

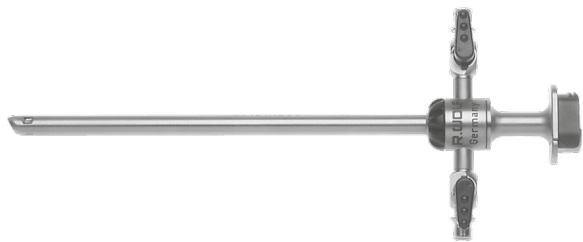




IV20 || Subject to modifications. Please note that some products may not be available in all countries. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

arthro *lution* Sheath for Arthroscope

with automatic click-lock mechanism

Shoulder

2.1

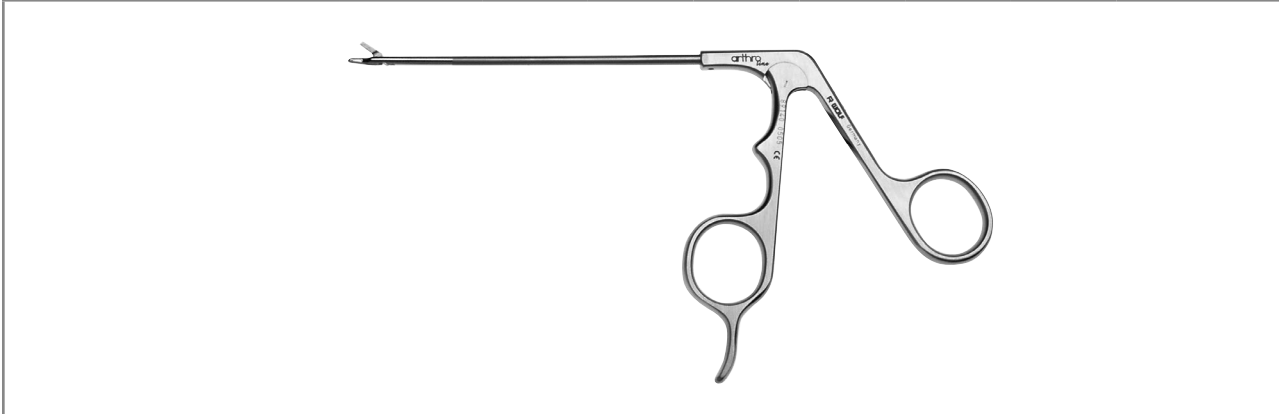
											Sheath for arthroscope OD 6mm						
											High-Flow	Small-caliber	2 fixed stopcocks	2 rotatable stopcocks	Outer Ø	WL	Product no.
		●		6.0 mm	132 mm	89121.0260	89121.0544	89121.0542	89121.0540	89121.0640							
			●	6.0 mm	130 mm	89121.1260											
●			●	6.3 mm	130 mm	89121.1263											
	●		●	5.5 mm	130 mm	891221255											











Spare parts	Product no.
Irrigation ring with 1 stopcock	150081761
Irrigation ring with 2 stopcocks	150081762
Stopcock insert, bundle, cap 3.0mm (PACK= 5 PCS) Also: Disassembly tool	896.0002 38310.0001
Mounting ring	15008.1704
Spare sealing comprising: O-rings, small / large, 5 of each Also: O-ring tool (disassembly tool)	15176.142 15106.230

Recommended accessories	Product no.
Sealing part for sheath	89101.0000
Marking rod Ø 4.0mm conical blunt TL 325 mm	8863.75

IV20 || Subject to modifications. Please note that some products may not be available in all countries. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

arthroline Punch



ARTHROline	Jaw section (Height x width)	Cut width	WL	Straight	Curved to the left	Sheath curved upward	Jaw section curved upward	Product no.		
Punch W 4.6mm H 1.6mm movable jaw section serrated  Sectional view: 	1.6 x 4.6 mm	3.3 mm	120 mm	●				89140.0105		
Punch W 4.6mm H 1.6mm movable jaw section serrated  Sectional view: 							●	89140.0102		
Punch W 4.6mm H 1.6mm movable jaw section serrated  Sectional view: 								●	89140.0122	
Punch W 5.5mm H 1.6mm movable jaw section serrated  Sectional view: 								●	●	89140.0101
Punch W 5.5mm H 1.6mm movable jaw section serrated  Sectional view: 									●	89140.0103



IV20 || Subject to modifications. Please note that some products may not be available in all countries. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

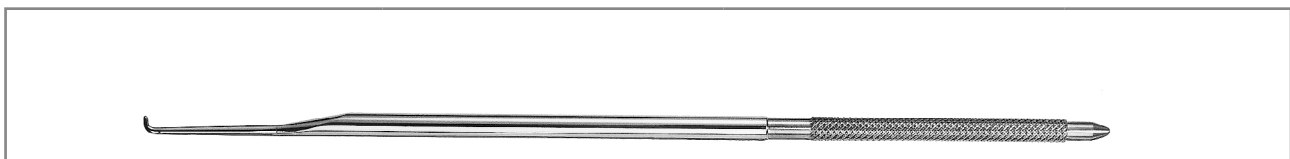
Hook Probe / Marking Rod


Shoulder

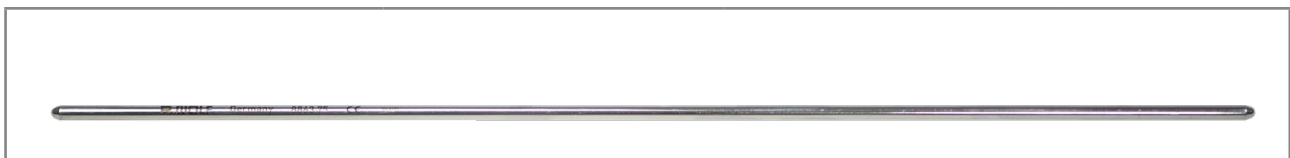
2.3




	H	WL	Product no.
Hook probe WL 115mm H 7mm, graduated 	7.0 mm	115 mm	8399.901
Hook probe WL 115mm H 4.5mm, graduated 	4.5 mm		8399.95



	Ø	TL	Product no.
Hook probe TL 228 mm SZ 4.4mm 	4.4 mm	228 mm	8863.80



	Ø	TL	Product no.
Marking rod Ø 4.0mm conical blunt 	4.0 mm	325 mm	8863.75

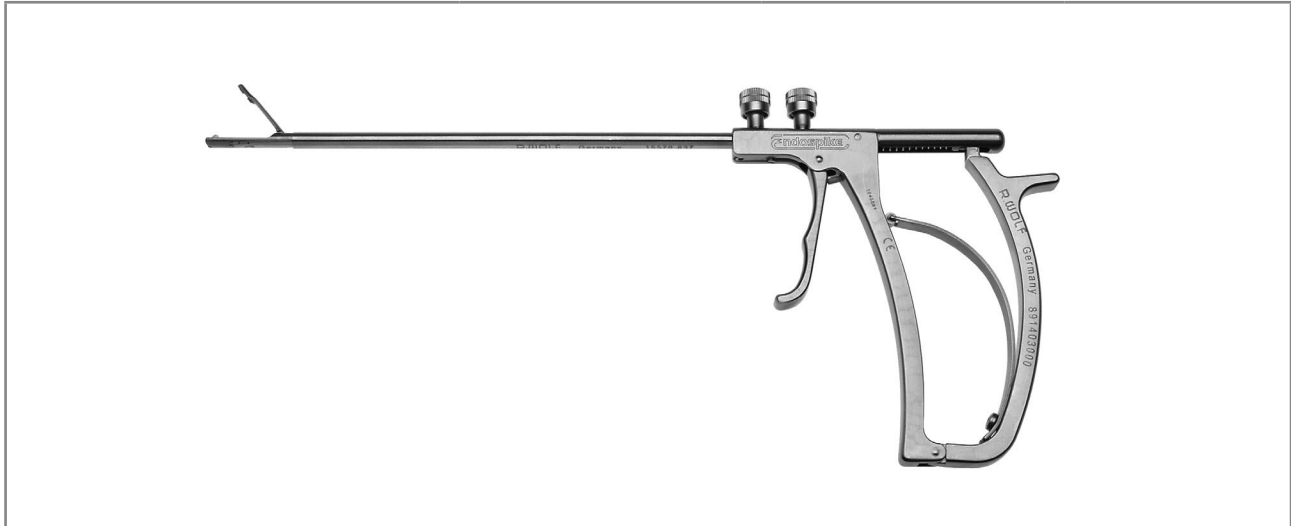
Basic Instrument Set


for reconstructive shoulder arthroscopy

Product	Product no.	Quantity	Catalog / Section
Endoscopes and Instruments			
Knot pusher WL 170mm	89150.3000	1	Orthopedics / Shoulder
Suture catcher WL 160mm	89150.3003	1	Orthopedics / Shoulder
Concave rasp WL 175mm W 4.75mm	89160.3003	1	Orthopedics / Shoulder
Convex rasp WL 175 mm W 4.75mm	89160.3002	1	Orthopedics / Shoulder
Straight rasp WL 175mm W 4.75mm	89160.3005	1	Orthopedics / Shoulder
Knife angled 15° WL 160mm W 4.5mm	89160.3015	1	Orthopedics / Shoulder
Distally cutting knife WL 160mm W 4.5mm	89160.3001	1	Orthopedics / Shoulder
Suture cutter Ø 5mm WL 200mm	891603000	1	Orthopedics / Shoulder
Suture grasping forceps Ø 3.3mm	891303300	1	Orthopedics / Shoulder
Grasping forceps Ø 3.4mm	8488.096	1	Orthopedics / Shoulder
Marking rod Ø 4.0mm, conical blunt	8863.75	1	Orthopedics / Shoulder
ENDOSPIKE shoulder suture instrument Ø 5.3mm	891403000	1	Orthopedics / Shoulder
Also: Needles for suture forceps, sterile	491403000	1	Orthopedics / Shoulder
Sterilization basket for shoulder suture set	85841213	1	Orthopedics / Shoulder

Endospike

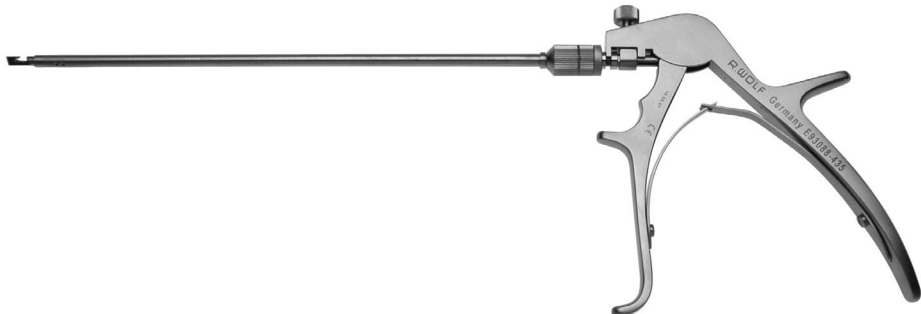

Shoulder Suture Instrument

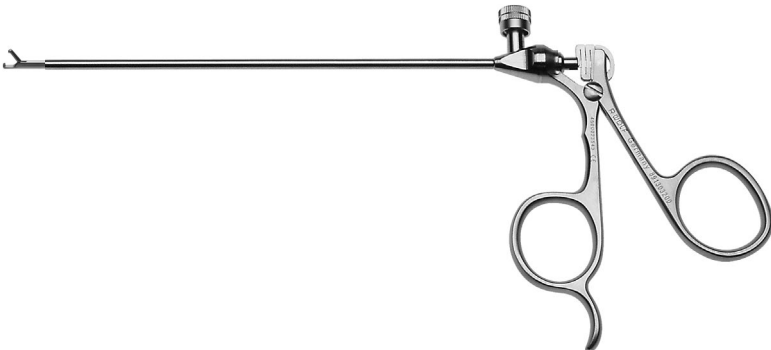





	Ø	WL	Product no.
<p>ENDOSPIKE shoulder suture instrument Ø 5.3mm</p>  <p>with irrigation connector, can be dismantled</p>	5.3 mm	169 mm	891403000
Also:			
<p>Needles for stitching forceps, sterile, disposable (PACK= 5 PCS)</p>			491403000

Shoulder
2.4

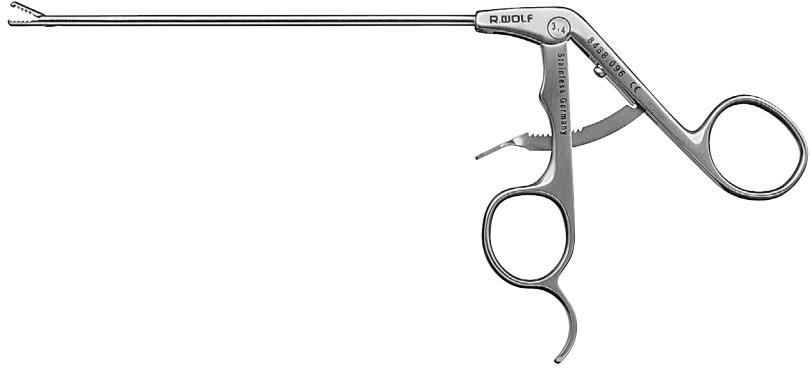

Suture Cutter / Suture Grasping Forceps

			
	Ø	WL	Product no.
 Suture cutter Ø 5mm WL 200mm can be dismantled	5.0 mm	200 mm	891603000

			
	Ø	WL	Product no.
 Suture grasping forceps Ø 3.3mm jaw section straight, sheath straight	3.3 mm	160 mm	891303300
 Suture grasping forceps Ø 3.3mm straight jaw section, pointed			891303200
 Suture grasping forceps Ø 3.3mm jaw section curved 45° upward, pointed			891303230

IV20 || Subject to modifications. Please note that some products may not be available in all countries. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.



Grasping Forceps

			
	Ø	WL	Product no.
<p>Grasping forceps Ø 3.4 mm</p>  <p>straight jaw section, serrated, handle with lock</p>	3.4 mm	130 mm	8488.096

Grasping forceps for holding and repositioning the rotator cuff.

Hand Instruments




		WL	Product no.
Knot pusher WL 170 mm 	For applying and tightening slip knots in arthroscopically applied sutures	170 mm	89150.3000
Suture catcher WL 160mm 	Hook eye for suture management	160 mm	89150.3003
Distally cutting knife WL 160mm W 4.5mm 	For loosening soft tissue from the glenoid edge	160 mm	89160.3001
Knife angled 15° WL 160mm W 4.5mm 			89160.3015
Convex rasp WL 175mm W 4.75mm rough 	For arthroscopic "freshening" of the bone at the glenoid in Bankart and SLAP lesions and of the greater tubercle in reconstruction of the rotator cuff	175 mm	89160.3002
Concave rasp WL 175mm W 4.75mm rough 			89160.3003
Straight rasp WL 175mm W 4.75mm rough 			89160.3005

IV20 || Subject to modifications. Please note that some products may not be available in all countries. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

Sterilization Basket

for Instruments Used in Shoulder Arthroscopy

Sterilization – storage – transport

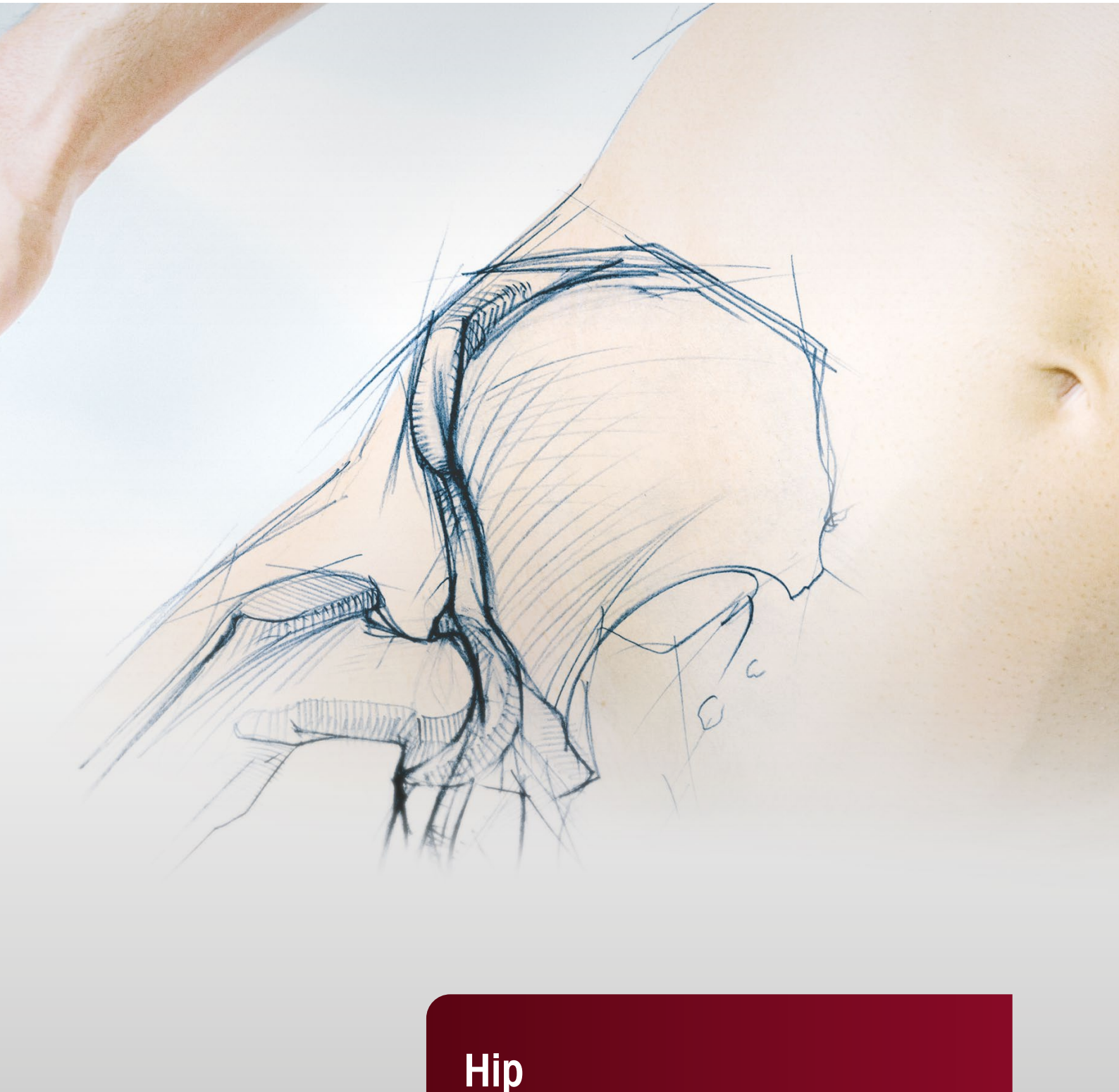


top

bottom

	Width mm	Total height mm	Depth mm	Product no.
<p>Sterilization basket for shoulder sut. Comprising: Basket lower part, 2 instrument racks with support bars and silicone holders for "shoulder" instrument set, basket lid with spring lock and 2 handles</p>	530	108	250	85841213

Suitable for standard container



Hip

Hip

3.1

Arthrolution Arthroscopes Overview

3.2

Telescopes and Sheaths

3.3

Access Instruments

3.4

Dilation Systems

3.5

Irrigation Cannula

3.6

Aiming Device

3.7

Instruments

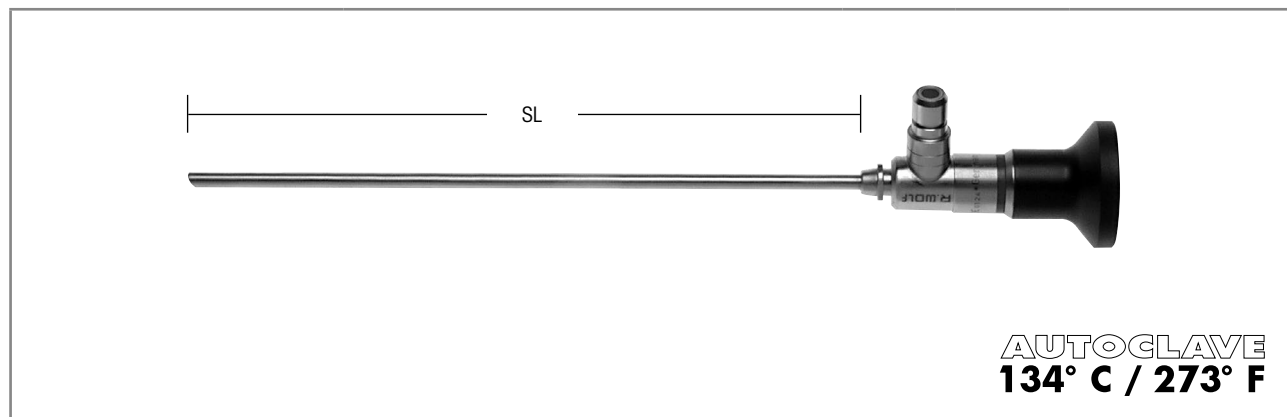
Overview

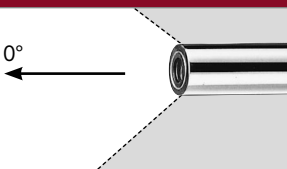
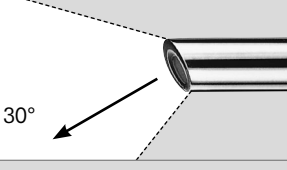
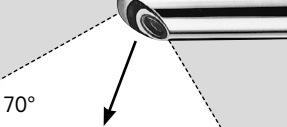
arthro <i>lution</i>			Fingers, toes	Hand	Foot, elbow		Knee, shoulder, hip
Telescope Ø			1.9 mm	2.4 mm	2.7 mm		4.0 mm
Telescopes	30°	PANOVIEW telescope	8860453	8871413	8476.433	8672.422	8880.543
		PANOVIEW wide angle telescope					8885.443
	70°	PANOVIEW telescope					8880.545
		PANOVIEW wide angle telescope					8885.445
Sheath WL			40 mm	60 mm	77.5 mm	145 mm	130 mm
Sheaths	with 1 irrigation stopcock, fixed		891220124	891220132			
	with 2 irrigation stopcocks, fixed						89121.0260
	with 1 irrigation stopcock, rotatable					891241141	
	with 2 irrigation stopcocks, rotatable			891221232	891221241	891241241	89121.1260
	High-Flow with 1 irrigation stopcock, fixed		891220128				
	High-Flow with 2 irrigation stopcocks, rotatable			891221235			89121.1263
	Small-caliber with 2 irrigation stopcocks, rotatable						891221255
Obturator	blunt				891222754		89121.0544
	semi-blunt		891221952	891222452			89121.0542
	conical blunt				891222750	891242750	89121.0540
	sharp					891242761	89121.0640
	conical pointed		891221962	891222462	891222762		
Sealing part for sheath						891040000	

COXARTIS

Telescope Ø 4 mm

for 4 mm arthroscopes



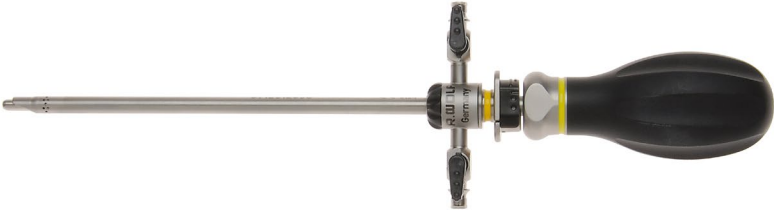


Direction of view		SL	Ø	Product no.
 <p>0°</p>	PANOVIEW telescope 0° Ø 4mm SL 170mm	170 mm	4.0 mm	8880.541
 <p>30°</p>	PANOVIEW telescope 30° Ø 4mm SL 170mm			8880.543
 <p>45°</p>	PANOVIEW telescope 45° Ø 4mm SL 170mm			8880.544
 <p>70°</p>	PANOVIEW telescope 70° Ø 4mm SL 171mm	176 mm		8880.547




Recommended accessories		Product no.
Reprocess basket	(W x H x D) 287 x 54 x 59 mm	38020.111
Fiber light cable bndl Comprising: Fiber light cable (80663523), adapter, projector to light cable (8095.07), and adapter, light cable to endoscope (809509)	Ø 3.5 mm, 2.3 m long	806635231

COXARTIS

Sheath Ø 4 mm

for 4 mm arthroscopes

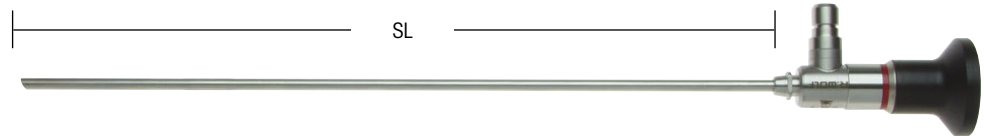
						
	2 rotatable stopcocks	Outer Ø	WL	Product no.	Obturator for arthroscope OD 6/6.3mm cannulated, capacity 2mm	
ArthroLution sheath for arthroscope OD 6mm with automatic click-lock mechanism	●	6.0 mm	145 mm	8912312603	891234073	
Also: Sealing part for sheath					89101.0000	

						
For continuous irrigation Comprising:		2 rotatable stopcocks	Outer Ø	WL	Product no.	Obturator for arthroscope OD 5.3/6 mm, semi-blunt, capacity 2mm
ArthroLution sheath and outer sheath	ArthroLution sheath for arthroscope OD 5.3mm, with automatic click-lock mechanism		5.3 mm		8912312533	891234052
	Outer sheath for arthroscope OD 6.3mm	●	6.3 mm	130 mm	8912300633	
Also: Sealing part for sheath						89101.0000

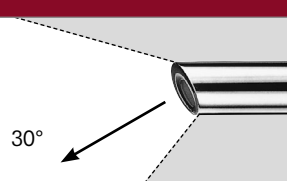
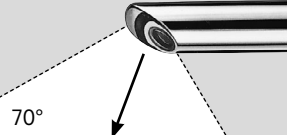
COXARTIS

Telescope and Sheath Systems

for 4 mm arthroscopes, extra long



AUTOCLAVE
134° C / 273° F

Direction of view		SL	Ø	Product no.
	PANOVIEW telescope 30° Ø 4 mm SL 248 mm	248 mm	4.0 mm	891134030
	PANOVIEW telescope 70° Ø 4 mm SL 251 mm	251 mm		891134070

Recommended accessories		Product no.
Reprocess basket	(W x H x D) 287 x 54 x 59 mm	38020.111
Fiber light cable bndl Comprising: Fiber light cable (80663523), adapter, projector to light cable (8095.07), and adapter, light cable to endoscope (809509)	Ø 3.5 mm, 2.3 m long	806635231

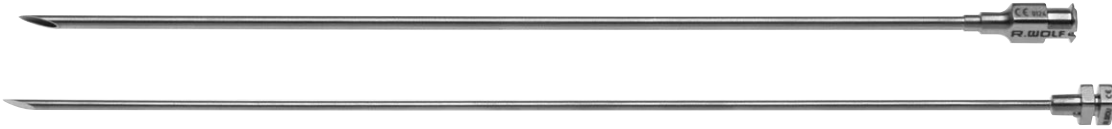


	2 rotatable stopcocks	Outer Ø	WL	Product no.	Obturator for arthroscope OD 6 mm, cannulated, capacity 2 mm
ArthroLution sheath for arthroscope OD 6mm, with automatic click-lock mechanism	●	6.0 mm	145 mm	8912312607	891234077
Also: Sealing part for sheath					89101.0000


COXARTIS

Access Instruments


Cannula for punction, guide wire, marking rod



	Ø	Capacity	WL	Product no.
Cannula for punction Ø 2.6/2mm WL 200mm with internal needle, (PACK= 2 PCS)	2.6 mm	2.0 mm	200 mm	891732018



	Ø	TL	Product no.
Nitinol guide wire Ø 2mm (PACK= 2 PCS)	2.0 mm	450 mm	891534020



	Ø	Capacity	TL	Product no.
Marking rod Ø 4.0mm cannulated	4.0 mm	2.25 mm	325 mm	891532040
Marking rod Ø 4.0mm conical blunt	4.0 mm	-	325 mm	8863.75

COXARTIS

Access Instruments

Guide tube




	Ø	Capacity	WL	Product no.
Guide sheath slitted WL 120 mm SZ 7 mm slotted	2.6 mm	2 mm	200 mm	891237012
Obturator for guide tube cannulated			142 mm	891232070

COXARTIS





Access Instruments

Dilation system



891532050 / 891532070 / 891532090

891530000

	Color coding	Ø	Capacity	WL	Product no.
Dilatator Ø 5mm WL 200mm  cannulated	green	5.0 mm	2.0 mm	200 mm	891532050
Dilatator Ø 7mm WL 200mm  cannulated	blue	7.0 mm			891532070
Dilatator Ø 9mm WL 200mm  cannulated	red	9.0 mm			891532090
Handle attachment for dilators 					891530000

IV20 || Subject to modifications. Please note that some products may not be available in all countries. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

COXARTIS

Irrigation Cannula



	Ø	Capacity	WL	Product no.
Cannula for irrigation Ø 8mm WL 168mm	8 mm	7 mm	168 mm	891737080





Hip
3.5

COXARTIS

Aiming Device

IV20 || Subject to modifications. Please note that some products may not be available in all countries. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.



		Product no.
Aiming device bndl Comprising:	Hip alignment ARC (891240100), Hip guide sleeve (891240200), Guide attachment AD hip (891240300), Rotatable irrigation ring hip (891240400)	891240000
Hip alignment ARC with adapter for rotatable irrigation ring		891240100
Hip guide sleeve for connection to puncture cannula 891732018		891240200
Guide attachment AD hip for connection to guide sleeve		891240300
Rotatable irrigation ring hip rotatable with 2 stopcocks and adapter for alignment bracket		891240400


Hip
3.6

COXARTIS

Hook Probe / Banana Knife

			
	Height	WL	Product no.
<p>Hook probe WL 150mm H 4.5mm</p> 	4.5 mm	150 mm	891534515





		
	WL	Product no.
<p>Banana knife WL 125mm</p> 	125 mm	8436.251

			
	Width	WL	Product no.
<p>Convex rasp WL 175mm W 4.75mm</p> <p>rough</p> 	4.75 mm	175 mm	89160.3002

COXARTIS








Curette and Microfractor



		Ø	WL	Product no.
Curette, square, Ø 4.5mm WL 170mm		4.5 mm	170 mm	891632245
Curette, square, Ø 5mm WL 170mm		5.0 mm		891632260
Curette, round, Ø 4.8mm WL 170mm		4.8 mm		891631255
Curette, round, Ø 6.3mm WL 170mm		6.3 mm		891631270

double-blade and curved upward



	Deflection	WL	Product no.
Microfractor WL 170mm 15°	 Curved 15°	170 mm	891631521
Microfractor WL 170mm 30°	 Curved 30°		891633021
Microfractor WL 170mm 45°	 Curved 45°		891634521
Microfractor WL 170 mm 35°	 35° S-shaped		891633522
Microfractor WL 170mm 60°	 Curved 60°		891636021
Microfractor WL 170mm 60°	 60° S-shaped		891636022
Microfractor WL 170mm 80°	 Curved 80°		891638021



IV20 || Subject to modifications. Please note that some products may not be available in all countries. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

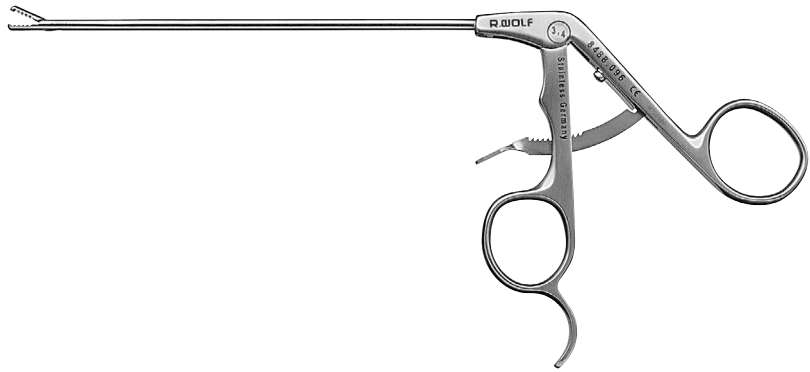

Hip

3.7

COXARTIS

PULSEShifter Microfractor / Grasping Forceps









		WL	Product no.
<p>PULSEShifter Microfractor WL 170 mm 45°</p> 	<p>curved 45°, can be dismantled</p>	<p>170 mm</p>	<p>891634530</p>

				
		Ø	WL	Product no.
<p>Grasping forceps Ø 3.4 mm</p>  <p>straight jaw section, serrated, handle with lock</p>	<p>3.4 mm</p>	<p>130 mm</p>	<p>8488.096</p>	

COXARTIS

arthroline Punch






ARTHROline	Jaw section (Height)	WL	Straight	Curved to the left	Curved to the right	Sheath curved upward	Jaws curved upward	Product no.
<p>Punch WL 180mm H 1.6mm</p>  <p>Sectional view: </p>	1.6 mm	180 mm	●				●	891432102
<p>Punch WL 180mm H 1.6mm</p>  <p>Sectional view: </p>			●			●	891432101	
<p>Punch WL 180mm H 1.6mm</p>  <p>Sectional view: </p>			●		●		891432103	
<p>Punch WL 180mm H 1.6mm</p>  <p>Sectional view: </p>			●			●	891432122	

IV20 || Subject to modifications. Please note that some products may not be available in all countries. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

COXARTIS

Accessories

Spare part and accessory		Product no.
Sterile adapter eyecup for replacing the endoscope under sterile conditions, locking mechanism		8580.91
Sealing part for sheath		89101.0000
Irrigation ring with 1 stopcock		150081761
Irrigation ring with 2 stopcocks		150081762
Stopcock bndl cap 3.0mm (PACK= 5 PCS)		896.0002
Mounting ring		15008.1704
Spare seal set Comprising: O-ring 9.25X 1.78 VMQ-70 coated (15364396) O-ring 7.65X 1.78 VMQ-70 coated (15364395) (PACK= 5 PCS)		15176.142
Also: O-ring tool		15106.230



Elbow / Foot

Elbow / Foot

4.1

Arthrolution Arthroscopes Overview

4.2

Telescopes and Sheaths

4.3

**Instruments – Drainage Cannulas / Hook Probes / Guide and Marking Rods /
ARTHROline Punches / Scissors / Forceps**

4.4

Instruments for Endoscopically Assisted Decompression of the Ulnar Nerve

arthro
lution Arthroscope

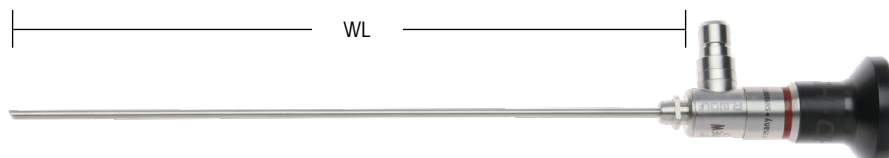
Overview

Elbow / Foot
4.1

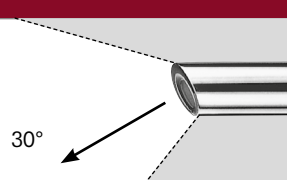
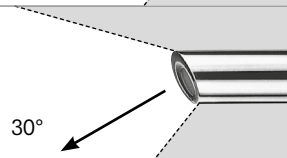
arthro <i>lution</i>			Fingers, toes	Hand	Foot, elbow		Knee, shoulder, hip
Telescope Ø			1.9 mm	2.4 mm	2.7 mm		4.0 mm
Telescopes	30°	PANOVIEW telescope	8860453	8871413	8476.433	8672.422	8880.543
		PANOVIEW wide angle telescope					8885.443
	70°	PANOVIEW telescope					8880.545
		PANOVIEW wide angle telescope					8885.445
Sheath WL			40 mm	60 mm	77.5 mm	145 mm	130 mm
Sheaths	with 1 irrigation stopcock, fixed		891220124	891220132			
	with 2 irrigation stopcocks, fixed						89121.0260
	with 1 irrigation stopcock, rotatable					891241141	
	with 2 irrigation stopcocks, rotatable			891221232	891221241	891241241	89121.1260
	High-Flow with 1 irrigation stopcock, fixed		891220128				
	High-Flow with 2 irrigation stopcocks, rotatable			891221235			89121.1263
	Small-caliber with 2 irrigation stopcocks, rotatable						891221255
Obturator	blunt				891222754		89121.0544
	semi-blunt		891221952	891222452			89121.0542
	conical blunt				891222750	891242750	89121.0540
	sharp					891242761	89121.0640
	conical pointed		891221962	891222462	891222762		
Sealing part for sheath						891040000	

IV20 || Subject to modifications. Please note that some products may not be available in all countries. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

Telescope 2.7 mm for Standard Arthroscope

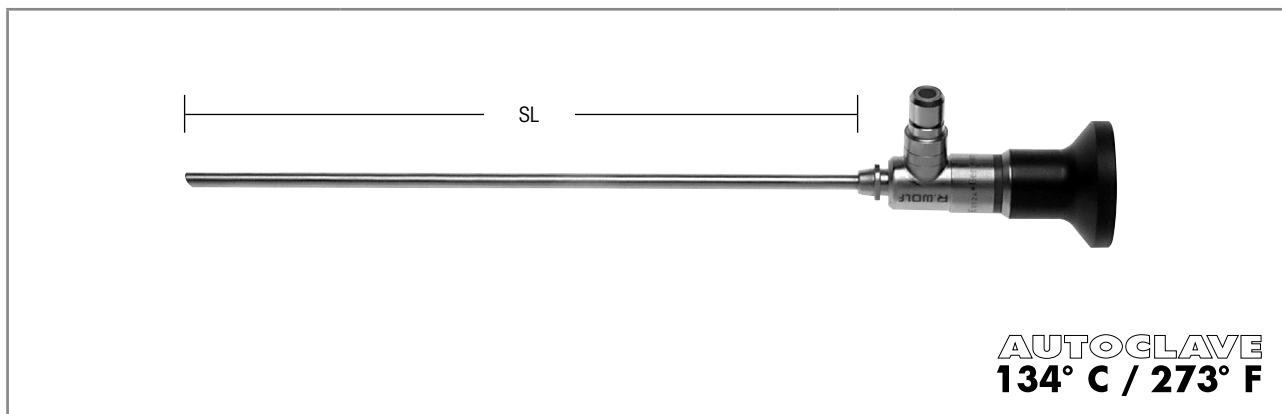


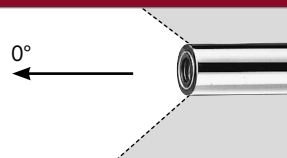
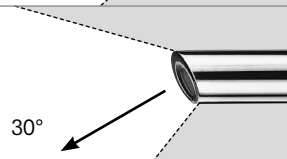
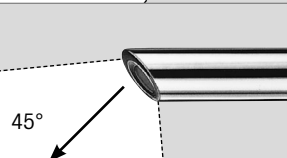
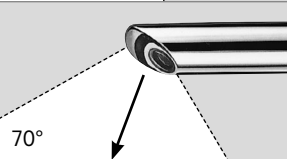
AUTOCLAVE
134° C / 273° F

Direction of view		WL	Ø	Product no.
	PANOVIEW PLUS HD telescope 30° Ø 2.7mm WL 103mm	103 mm	2.7 mm	8476.433
	PANOVIEW TELESCOPE 30° Ø 2.7mm WL 182mm	182 mm		8672.422

Recommended accessories		Product no.
Reprocess basket	(W x H x D) 287 x 54 x 59 mm	38020.111
Fiber light cable bndl Comprising: Fiber light cable (80663523), adapter, projector to light cable (8095.07), and adapter, light cable to endoscope (809509)	Ø 3.5 mm, 2.3 m long	806635231

Telescope 4.0 mm for Standard Arthroscope



Direction of view		SL	Ø	Product no.
	PANOVIEW telescope 0° Ø 4mm SL 170mm	170 mm	4.0 mm	8880.541
	PANOVIEW telescope 30° Ø 4mm SL 170mm			8880.543
	PANOVIEW telescope 45° Ø 4mm SL 170mm			8880.544
	PANOVIEW telescope 70° Ø 4mm SL 176mm	176 mm		8880.545

Recommended accessories		Product no.
Reprocess basket	(W x H x D) 287 x 54 x 59 mm	38020.111
Fiber light cable bndl Comprising: Fiber light cable (80663523), adapter, projector to light cable (8095.07), and adapter, light cable to endoscope (809509)	Ø 3.5 mm, 2.3 m long	806635231


arthro *lution* Sheath for Arthroscope

with automatic click-lock mechanism

Elbow / Foot



4.2

						
2 rotatable stopcocks	Outer ø	WL	Product no.			
●	4.1 mm	77.5 mm	891221241	891222754	891222750	891222762

Recommended accessories		Product no.
Sealing part for sheath		89101.0000
Marking rod ø 4.0 mm, TL 325 mm	conical blunt	8863.75
Spare parts		
Irrigation ring with 1 stopcock		150081761
Irrigation ring with 2 stopcocks		150081762
Stopcock bndl cap 3.0mm (PACK= 5 PCS)		896.0002
Also: Disassembly tool		38310.0001
Mounting ring		15008.1704
Spare seal set (O-rings)	Comprising: O-ring, small (PACK= 5 PCS) O-ring, large (PACK= 5 PCS)	15176.142
Also: O-ring tool (disassembly tool)		15106.230


arthro *lution* Sheath for Arthroscope

with automatic click-lock mechanism

						
Sheath for arthroscope OD 4.1 mm					Obturator for arthroscope OD 4.1 mm sharp, with slanted tip	Obturator for arthroscope OD 4.1 mm conical blunt
1 rotatable stopcock	2 rotatable stopcocks	Outer Ø	WL	Product no.		
●		4.1 mm	145 mm	891241141	891242761	891242750
	●			891241241		

Elbow / Foot

4.2

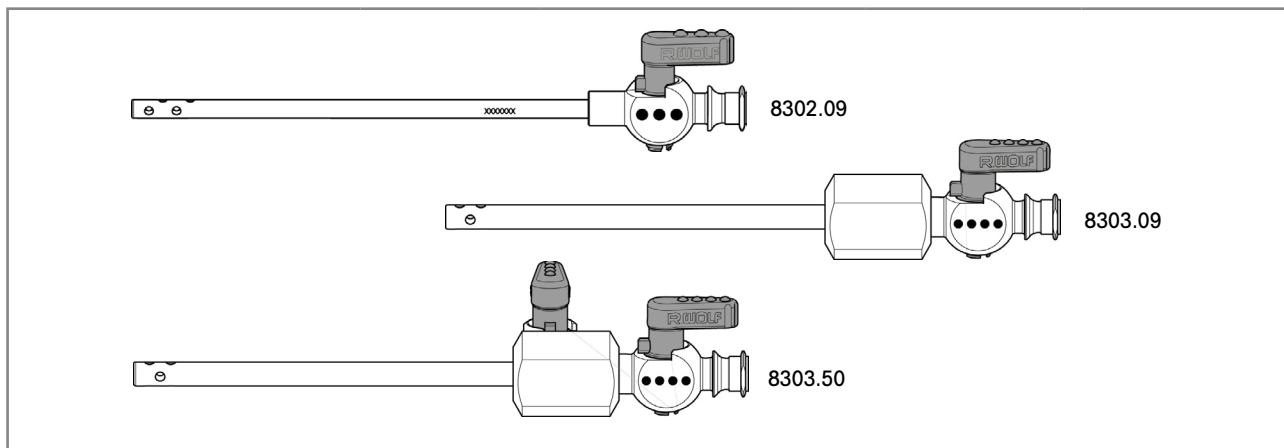
Recommended accessories		Product no.
Sealing part for sheath		891040000
Marking rod Ø 2.7 mm, TL 250 mm	conical pointed	891242725
Spare parts		
Irrigation ring with 1 stopcock		150081761
Irrigation ring with 2 stopcocks		150081762
Stopcock bndl cap 3.0mm (PACK= 5 PCS)		896.0002
Also: Disassembly tool		38310.0001
Mounting ring		15008.1704
Spare seal set (O-rings)	Comprising: O-ring, small (PACK= 5 PCS) O-ring, large (PACK= 5 PCS)	15176.142
Also: O-ring tool (disassembly tool)		15106.230








IV20 || Subject to modifications. Please note that some products may not be available in all countries. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

Drainage Cannula Ø 2.3 mm / 3.7 mm

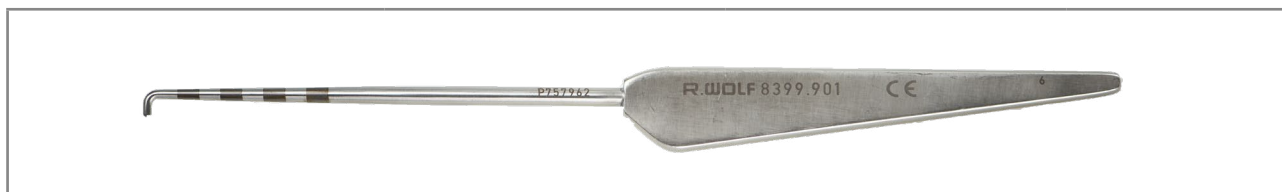
Elbow / Foot



4.3

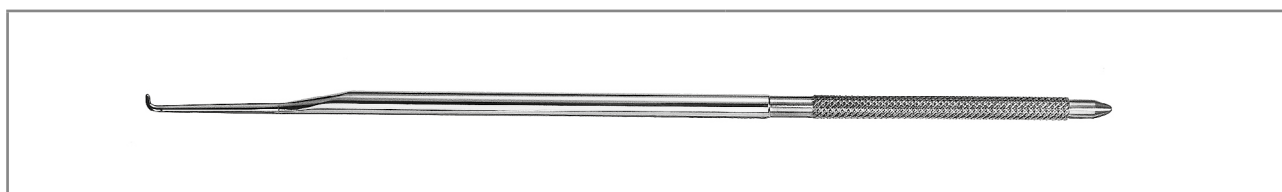



Drainage for cannula and obturator		Capacity	Ø	WL	Product no.
Drainage for cannula Ø 3.2mm WL 80mm with 1 insufflation stopcock		2.3 mm	3.2 mm	80 mm	8302.09
Drainage for cannula Ø 4.5mm WL 71.5mm with 1 insufflation stopcock		3.7 mm	4.5 mm	71.5 mm	8303.09
Drainage for cannula Ø 4.5mm WL 71.5mm with 2 insufflation stopcocks		3.7 mm	4.5 mm	71.5 mm	8303.50
Obturator for cannula OD 3.2mm sharp, with slanted tip		-	2.3 mm	103 mm	8302.101
Obturator for cannula OD 3.2mm conical blunt tip		-	2.3 mm	103 mm	8302.11
Obturator for cannula OD 4.5mm sharp, with pyramid-shaped tip		-	4.5 mm	115 mm	8303.10
Obturator for cannula OD 4.4mm conical blunt tip		-	4.4 mm	115 mm	8303.11
Also:					
Silicone tube with Luer fitting 886.00	for Drainage for cannula 8302.09		Length 2.0 m		8302.90
Silicone tube with Luer fitting 886.01	for Drainage for cannula 8303.09 / 50				8303.90

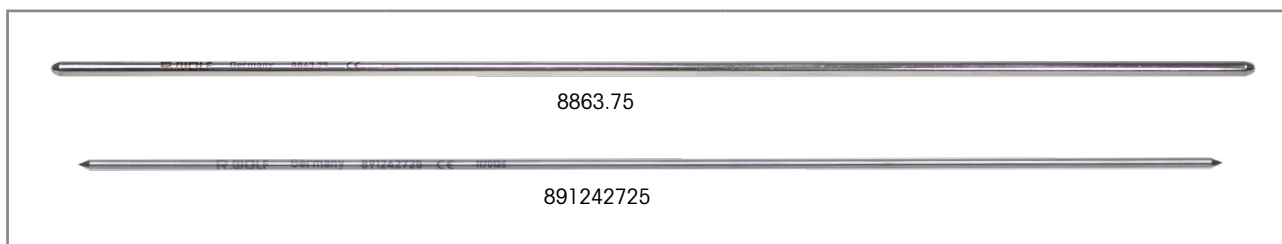
Hook Probe / Marking Rod





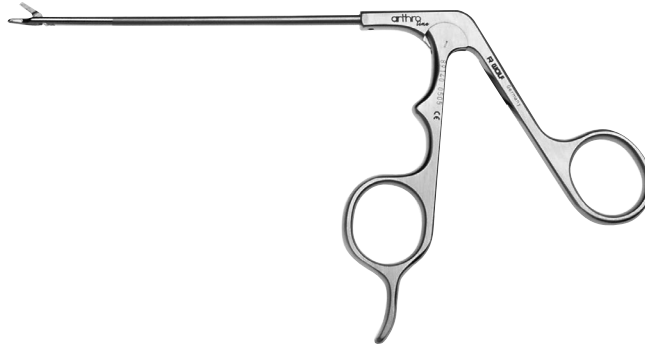
	H	WL	Product no.
Hook probe WL 115mm H 7mm, graduated 	7.0 mm	115 mm	8399.901
Hook probe WL 115mm H 4.5mm, graduated 	4.5 mm		8399.95













	Ø	TL	Product no.
Hook probe TL 228 mm SZ 4.4mm 	4.4 mm	228 mm	8863.80

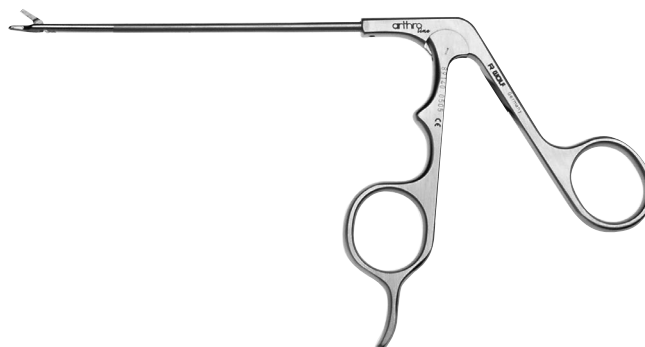


	Ø	TL	Product no.
Marking rod Ø 4.0mm conical blunt 	4.0 mm	325 mm	8863.75
Marking rod Ø 2.7mm conical pointed 	2.7 mm	250 mm	891242725















ARTHROline	Jaw section (Height x width)	Cut width	WL	Straight	Curved to the left	Sheath curved upward	Jaw section curved upward	Product no.
Punch W 4.6 mm H 1.6 mm movable jaw section serrated  Sectional view: 	1.6 x 4.6 mm	3.3 mm	120 mm	●				89140.0105
Punch W 4.6 mm H 1.6 mm movable jaw section serrated  Sectional view: 							●	89140.0102
Punch W 4.6 mm H 1.6 mm movable jaw section serrated  Sectional view: 						●		
Punch W 5.5 mm H 1.6 mm movable jaw section serrated  Sectional view: 	1.6 x 5.5 mm				●	●	89140.0101	
Punch W 5.5 mm H 1.6 mm movable jaw section serrated  Sectional view: 							●	89140.0103

arthro
line Hook Punch / Basket Punch



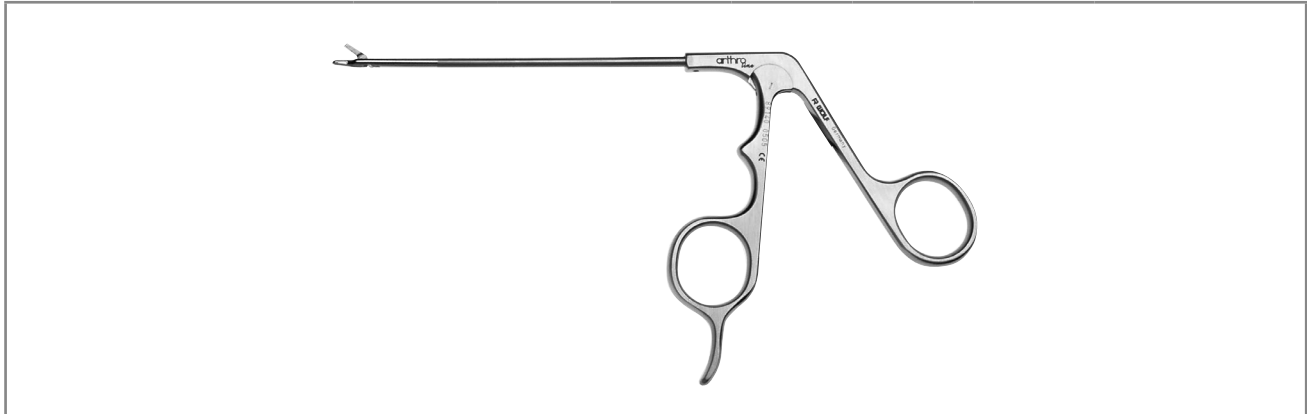
Elbow / Foot









4.3

ARTHROline	Jaw section (Height x width)	Cut width	WL	Straight	Jaw section curved upward	Product no.
Hook punch W 3mm H 1.6mm  Sectional view: 	1.6 x 3.0 mm	1.8 mm	120 mm	●		89140.0205
Hook punch W 3mm H 1.6mm  Sectional view: 				●	89140.0202	
Basket punch W 6.5mm H 2.1mm oval  Sectional view: 	2.1 x 6.5 mm	4.5 mm		●		89140.0305
Basket punch W 6.5mm H 2.1mm oval  Sectional view: 				●	89140.0302	
Hook punch W 4mm H 2.1mm  Sectional view: 	2.1 x 4.0 mm	2.1 mm		●		89140.0405
Hook punch W 4 mm H 2.1mm  Sectional view: 				●	89140.0402	

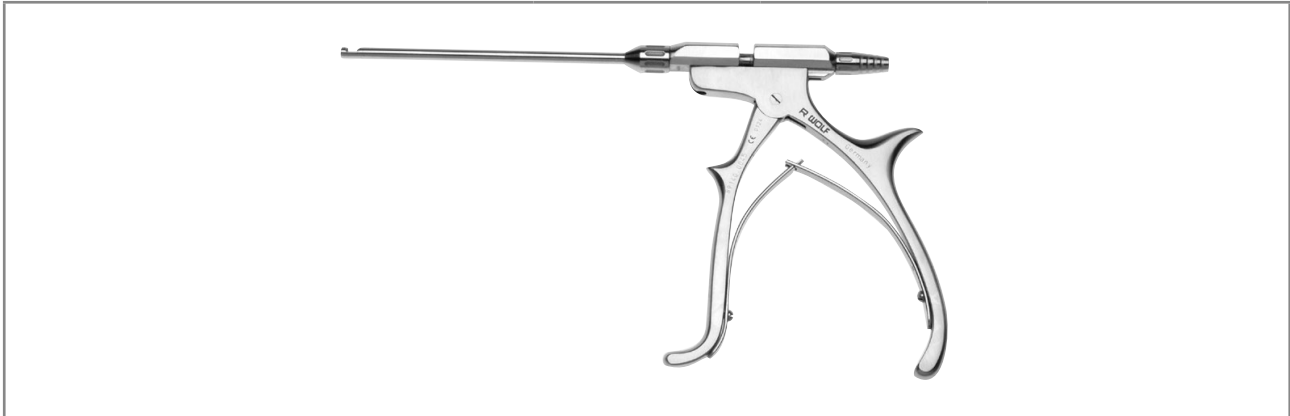
IV20 || Subject to modifications. Please note that some products may not be available in all countries. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.


arthro
line Punch / Scissors Punch



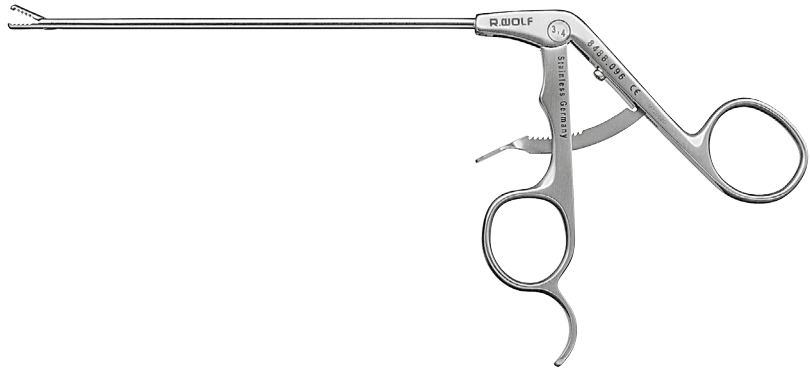

ARTHROline	Jaw section (Height x width)	Cut width	WL	Straight	Retrograde cutting	Jaw section curved upward	Product no.
Scissors punch W 2.4mm H 2.1 mm  Sectional view: 	2.1 x 2.4 mm	0.9 mm	120 mm	●			89140.0505
Scissors punch W 2.4mm H 2.1 mm  Sectional view: 				●			89140.0502
Punch W 5.7mm H 4mm retrograde left-cutting  Sectional view: 	4.0 x 5.7 mm	2.3 mm		●	left		89140.0605
Punch W 5.7mm H 4mm retrograde right-cutting  Sectional view: 				●	right		89140.0602





Suction Punch with Integrated Suction Channel



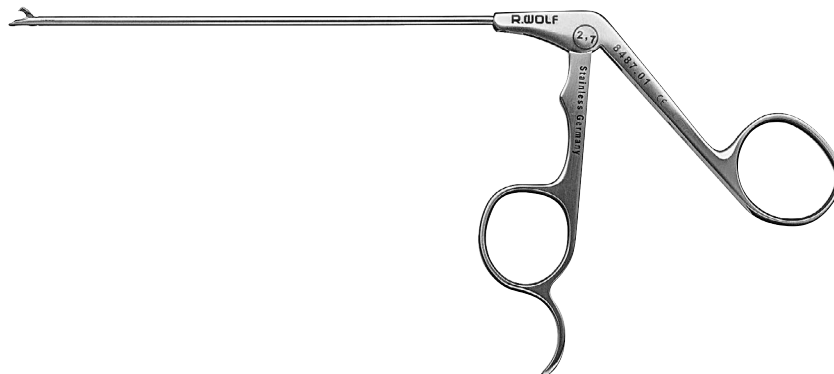
	Ø	WL	Product no.
<p>Suction punch Ø 2.7 mm with integrated suction channel</p> 	2.7 mm	110 mm	89140.0027







Grasping Forceps / Miniature Forceps

			
	Ø	WL	Product no.
Grasping forceps Ø 3.4mm straight jaw section, serrated, handle with lock 	3.4 mm	130 mm	8488.096

			
With overload protection and irrigation connector	Sheath Ø	WL	Product no.
Miniature forceps Ø 2.7mm  with double spoon jaw	2.7 mm	110 mm	8486.614
Miniature grasping forceps Ø 2.7mm 			8486.624
Hook punch Ø 2.7mm 			8486.604

Hook Punch / Punch

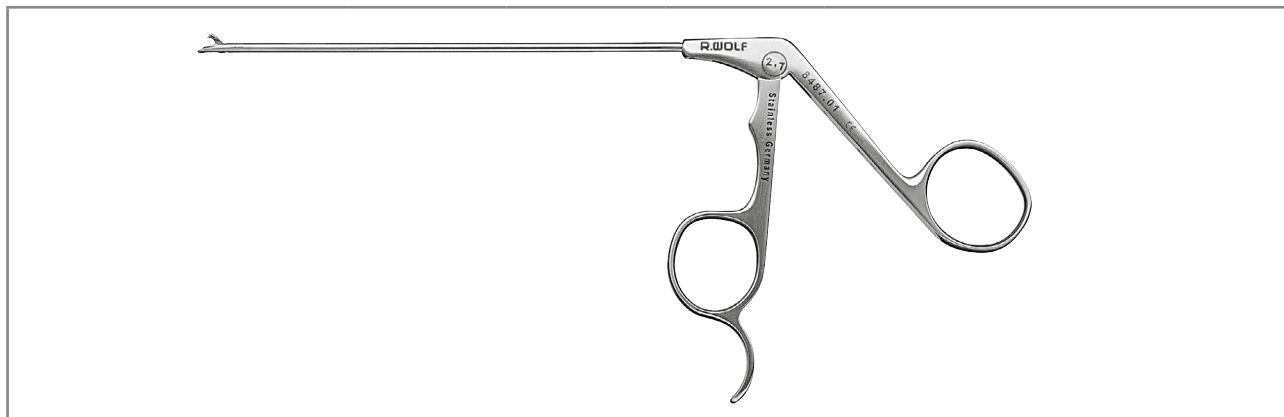




	Sheath Ø	WL	Jaw section (Height x width)	Cut width	Straight	Curved to the left	Curved to the right	Sheath curved 15° upward	Jaw section curved 15° upward	Product no.	
Hook punch Ø 3,4mm with shovel	3,4 mm	130 mm	3,4 x 3,4 mm	1,6 mm	●					8488.951	
						●					8488.952
Sectional view: 							●				8488.953
							●				8488.954
Hook punch Ø 3.4mm movable jaw section serrated	3,4 mm	130 mm	3,4 x 3,4 mm	1,6 mm	●					8488.02	
										●	8488.025
Hook punch Ø 3.4mm serrated	3,4 mm	130 mm	1,93 x 3,9 mm	2,7 mm	●					8488.121	
											●
Hook punch Ø 4.5mm with shovel, serrated	4,5 mm		1,73 x 5,4 mm	3,4 mm					●	8489.063	
											
Sectional view: 											

Punch / Double Spoon Forceps

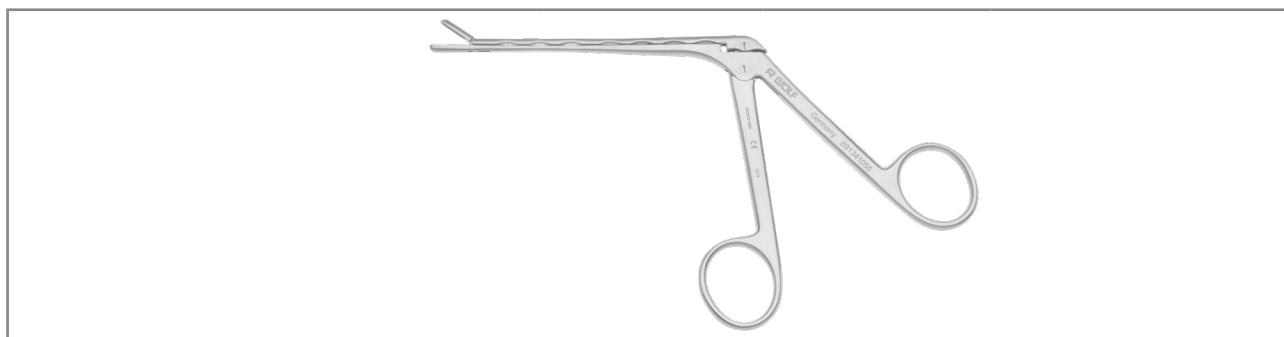
Elbow / Foot


4.3



	Jaw section (Height x width)	Deflection	Cut width	WL	Product no.
Punch Ø 3.4mm front- and side-cutting  Sectional view: 	2.2 x 5.3 mm	90° left	3.4 mm	130 mm	8404.017
		90° right			8404.018
Hook punch with shovel Ø 3.4mm  Sectional view: 	2.1 x 2.0 mm	45° left	1.7 mm		8404.71*
		45° right			8404.81*

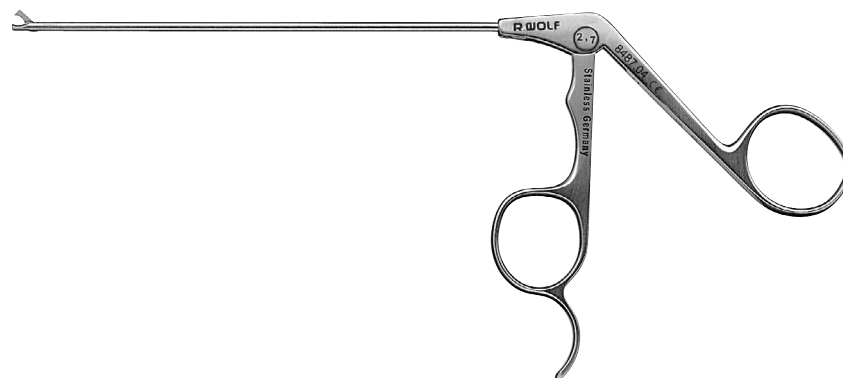
* particularly suitable for lateral cutting and smoothing








	Jaw section (Height x width)	WL	Product no.
Double spoon forceps W 3.1mm H 4.6mm wave-shaped sheath 	4.6 x 3.1 mm	105 mm	891341055


IV20 || Subject to modifications. Please note that some products may not be available in all countries. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.




Hook Scissors



	WL	Straight jaw section	Straight sheath	Sheath curved to the left	Sheath curved to the right	Product no.	
Hook scissors Ø 2.7mm 	130 mm	●	●			8487.04	
Hook scissors Ø 3.4mm 		●	●			8488.04	
Micro scissors Ø 3.4mm  Sectional view: 		●		●		8488.041	
		●			●		8488.042
		●		●			8488.052
		●				●	8488.053
	WL	Jaw section deflection	Straight sheath		Product no.		
Hook scissors Ø 3.4mm 	130 mm	45° left		●	8404.52		
		45° right		●	8404.62		

Hand Instruments
Curette / Microfractor

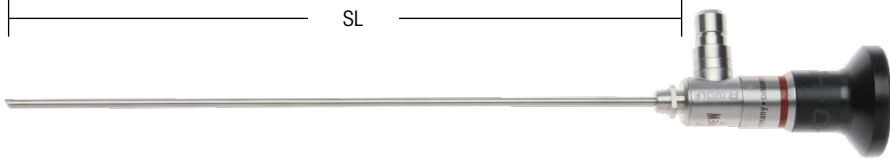
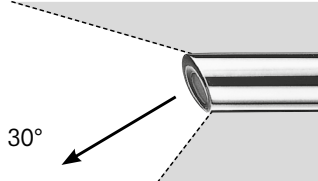


		Deflection	WL	Product no.
Microfractor WL 165mm 30°		Curved 30°	65 mm	891643011
Microfractor WL 165mm 45°		Curved 45°		891644511
Microfractor WL 165mm 60°		Curved 60°		891646011

Instruments for Endoscopically Assisted Decompression of the Ulnar Nerve

Optical dissector / telescope

		
	WL	Product no.
Opt. dissector WL 158mm graduated	158 mm	891607001

				
AUTOCLAVE 134° C / 273° F				
Direction of view		SL	Ø	Product no.
	PANOVIEW telescope 30° Ø 4mm SL 170mm	170 mm	4.0 mm	8880.543

Recommended accessories		Product no.
Reprocess basket	(W x H x D) 287 x 54 x 59 mm	38020.111
Fiber light cable bndl Comprising: Fiber light cable (80663523), adapter, projector to light cable (8095.07), and adapter, light cable to endoscope (809509)	Ø 3.5 mm, 2.3 m long	806635231

IV20 || Subject to modifications. Please note that some products may not be available in all countries. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

Instruments for Endoscopically Assisted Decompression of the Ulnar Nerve

Speculum



	WL	Product no.
Speculum w. Removable light rod WL 55 mm comprising: Speculum WL 55mm (8916070021) and light rod (8916070022)	55 mm	891607002

Elbow / Foot

4.4



Hand / Fingers / Toes

Hand / Fingers / Toes

5.1

Arthrolution Arthroscopes Overview

5.2

Telescopes and Sheaths

5.3

Punches / Forceps / Instruments for Small Joints

5.4

ENDO-CARTRIS – Instruments for Carpal Tunnel Release

arthro
lution Arthroscope

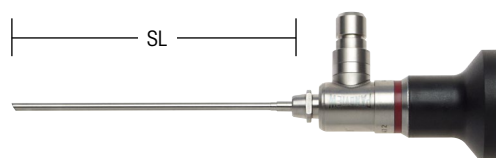
Overview

arthro <i>lution</i>			Fingers, toes	Hand	Foot, elbow		Knee, shoulder, hip
Telescope Ø			1.9 mm	2.4 mm	2.7 mm		4.0 mm
Telescopes	30°	PANOVIEW telescope	8860453	8871413	8476.433	8672.422	8880.543
		PANOVIEW wide angle telescope					8885.443
	70°	PANOVIEW telescope					8880.545
		PANOVIEW wide angle telescope					8885.445
Sheath WL			40 mm	60 mm	77.5 mm	145 mm	130 mm
Sheaths	with 1 irrigation stopcock, fixed		891220124	891220132			
	with 2 irrigation stopcocks, fixed						89121.0260
	with 1 irrigation stopcock, rotatable					891241141	
	with 2 irrigation stopcocks, rotatable			891221232	891221241	891241241	89121.1260
	High-Flow with 1 irrigation stopcock, fixed		891220128				
	High-Flow with 2 irrigation stopcocks, rotatable			891221235			89121.1263
	Small-caliber with 2 irrigation stopcocks, rotatable						891221255
Obturator	blunt				891222754		89121.0544
	semi-blunt		891221952	891222452			89121.0542
	conical blunt				891222750	891242750	89121.0540
	sharp					891242761	89121.0640
	conical pointed		891221962	891222462	891222762		
Sealing part for sheath						891040000	

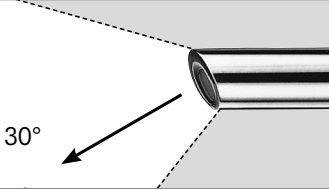
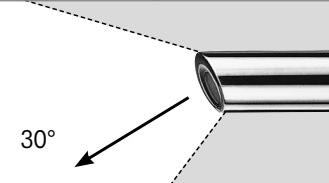
Hand

5.1

Telescope 1.9 mm / 2.4 mm for Standard Arthroscope





AUTOCLAVE
134° C / 273° F

Direction of view		SL	∅	Product no.
	PANOVIEW telescope 30° ∅ 1.9mm SL 61mm	61 mm	1.9 mm	8860453
	PANOVIEW telescope ∅ 2.4mm SL 98mm	98 mm	2.4 mm	8871413

Recommended accessories		Product no.
Reprocessing basket	(W x H x D) 287 x 54 x 59 mm	38020.111
Fiber light cable bndl Comprising: Fiber light cable (80663523), adapter, projector to light cable (8095.07), and adapter, light cable to endoscope (809509)	∅ 3.5 mm, 2.3 m long	806635231

arthro *lution* Sheath for Arthroscope

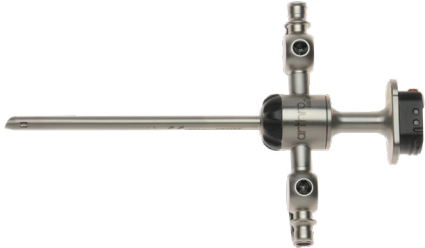


with automatic click-lock mechanism

						
Sheath for arthroscope OD 2.4 mm (telescope Ø 8860453)					Obturator for arthroscope OD 2.4/2.8 mm semi-blunt	Obturator for arthroscope OD 2.4/2.8 mm conical pointed
High-Flow	1 fixed stopcock	Outer Ø	WL	Product no.		
●		2.4 mm	40 mm	891220124	891221952	891221962
●	●	2.8 mm		891220128		

Spare parts		Product no.
Irrigation ring with 1 stopcock		150081761
Stopcock bndl cap 3.0mm (PACK= 5 PCS)		896.0002
Also: Disassembly tool		38310.0001
Mounting ring		15008.1704
Spare seal set (O-rings)	Comprising: O-ring, small (PACK= 5 PCS) O-ring, large (PACK= 5 PCS)	15176.142
Also: Disassembly tool		15106.230

arthro *lution* Sheath for Arthroscope

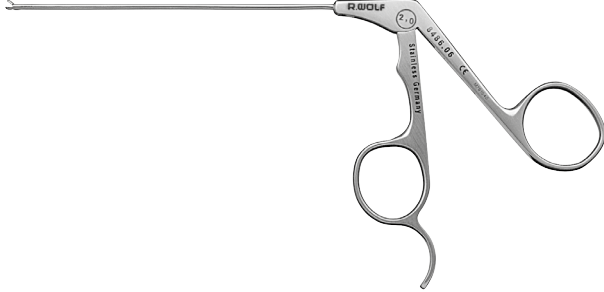
with automatic click-lock mechanism





							
Sheath for arthroscope OD 3.2 / 3.5 mm (telescope Ø 8871413)						Obturator for arthroscope OD 3.2/3.5 mm semi-blunt	Obturator for arthroscope OD 3.2/3.5 mm conical pointed
High-Flow	1 fixed stopcock	2 rotatable stopcocks	Outer Ø	WL	Product no.		
	●		3.2 mm	60 mm	891220132	891222452	891222462
		●			891221232		
●		●	3.5 mm		891221235		

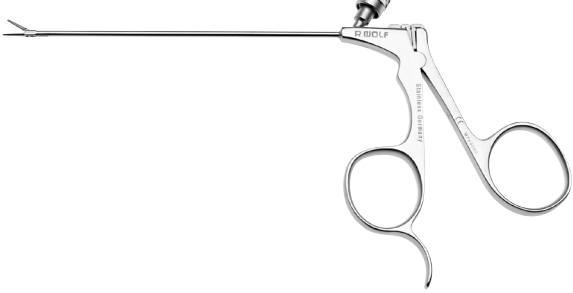
Spare parts		Product no.
Irrigation ring with 1 stopcock		150081761
Irrigation ring with 2 stopcocks		150081762
Stopcock bndl cap 3.0mm (PACK= 5 PCS)		896.0002
Also: Disassembly tool		38310.0001
Mounting ring		15008.1704
Spare seal set (O-rings)		15176.142
Also: Disassembly tool		15106.230




IV20 || Subject to modifications. Please note that some products may not be available in all countries. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

Miniature Punch / Forceps



		Ø	WL	Product no.
Hook punch Ø 2 mm		2.0 mm	65 mm	8486.601
Miniature punch Ø 2.2 mm		2.2 mm	75 mm	8486.602
Miniature forceps Ø 2 mm with double spoon jaw		2.0 mm	60 mm	8486.611
Miniature grasping forceps Ø 2 mm		2.0 mm	60 mm	8486.621







		Sheath Ø	WL	Product no.
Miniature forceps Ø 2.7mm with double spoon jaw		2.7 mm	110 mm	8486.614
Miniature grasping forceps Ø 2.7mm				8486.624
Hook punch Ø 2.7mm				8486.604

IV20 || Subject to modifications. Please note that some products may not be available in all countries. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

Instruments for Small Joints



	∅	WL	Product no.
Spoon ∅ 2.4x1mm WL 100mm 	2.4 x 1 mm	100 mm	8871.562
Curette round ∅ 1.45mm WL 100mm 	1.45 mm		8871.571
Knife with handle WL 100mm 	--		8871.586
Hook probe WL 100mm H2mm H = 2.0 mm 	--		8871.721



FLUID CONTROL
Irrigation and Suction Pumps

FLUID CONTROL Irrigation and Suction Pump

6.1

FLUID CONTROL Arthro 2204

FLUID CONTROL Arthro 2204

Suction and irrigation pump for arthroscopy
with automatic tube recognition



FLUID CONTROL Arthro

is a new pump system for arthroscopy and fully endoscopic spinal surgery. The particular strength of this system lies in a practical combination of high performance and a cost-effective overall concept. The new software and technical enhancements make the **FLUID CONTROL Arthro** ideal for diagnostic and therapeutic arthroscopies.

FLUID CONTROL Arthro has already been prepared for integration in core, the digital OR from Richard Wolf.

FLUID CONTROL Arthro 2204

Suction and irrigation pump for arthroscopy with automatic tube recognition




Arthro/spine suc./irrig.pump bndl
for arthroscopy **22040011**

- Comprising:
- 1 x arthro/spine suc./irrig.pump 200mmHG 2204001
 - 1 x irrigation tube set spike 8171223
 - 1 x tube set for vacuum, incl. filter 2206207
 - 1 x protection filter for gas filtration 4171.121
 - 1 x power cable 2440.03

Arthro/spine suc./irrig.pump bndl
with Spine Mode software module for arthroscopy and
fully endoscopic spinal surgery **22040012**

- Comprising:
- 1 x arthro/spine suc./irrig.pump 200mmHG 2204001
 - 1 x Spine mode software module2204101
 - 1 x irrigation tube set spike 8171223
 - 1 x tube set for vacuum, incl. filter 2206207
 - 1 x protection filter for gas filtration 4171.121
 - 1 x power cable 2440.03

Recommended accessories		Product no.
Footswitch		2204901

FLUID CONTROL Arthro 2204

Irrigation and suction pump for arthroscopy with automatic tube recognition

Day-patient tube set

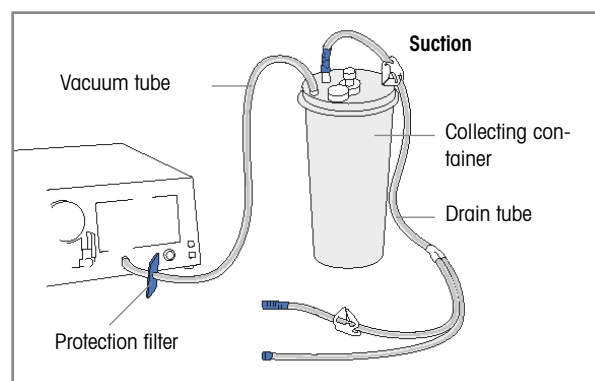
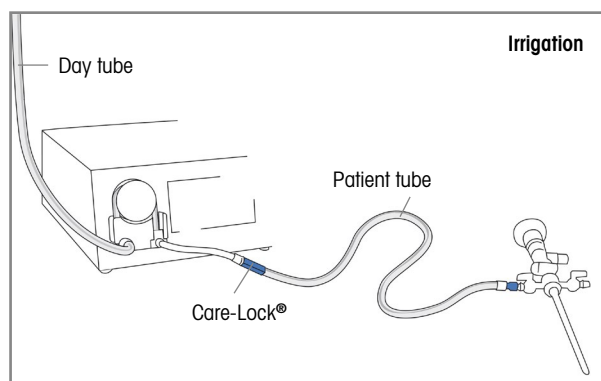
From two interventions/patients per day:

Use the **day-patient tube set**, which comprises a day tube and a connected patient tube. The day tube remains in the pump throughout the day, while the patient tube has to be changed for each operation. The irrigation fluid bag can remain on the pump until it has been comple-

tely used up. **This significantly reduces the amount of waste and cuts costs.**

Further tube versions are available to complement the system.

Note: The use of the day-patient tube set has not been approved for the Spine Mode application.



Irrigation			Product no.
Accessories – reusable	Irrigation tube set spike	With Luer-Lock connection, autoclavable, incl. 10 spare membranes, reusable for 20 reprocessing cycles	8171223
	Irrigation tube set with spike L 3 m	(PACK= 10 PCS), with Luer-Lock connection, sterile, disposable product	4171223
Accessories – disposable	Irrigation tube set CARE-LOCK, L 3 m	(PACK= 10 PCS), sterile, disposable product	4171224
	Day irrigation tube set	(PACK= 10 PCS), with piercing spike, sterile disposable product, PVC	4171226
	Patient irrigation tube set L 3m	(PACK= 10 PCS), with Luer-Lock connection, sterile, disposable product, PVC	4171227
<i>Note: Day tube and patient tube can only be used together. A new patient tube is required for each patient – the day tube can be used for up to 20 patients.</i>			

Suction			Product no.
Accessories – reusable	Tube set for vacuum, incl. filter	with integrated hygiene filter, PACK= 10 PCS, service life of 30 days (connected to irrigation pump)	2206207
Accessories – disposable	Secretion container, 2 L	2 liters, no lid	8170.6551
	Secretion container, 2.5 L	2.5 liters (PACK= 2 PCS)	41706566
	Tube set, L 5 m	PVC, with Y connector, length 5 m, sterile, disposable, (PACK= 10 PCS) for connecting instruments to collecting container	4170.901

Technical Data

FLUID CONTROL Arthro 2204

Arthro/spine suc./irrig.pump 200mmHG	2204001
Power supply connection	100–240 VAC, 50/60 Hz
Power consumption	118 VA
Protection class to VDE 0750 / IEC 601	1
Classification	CF
Pressure range (infinite preselection)	15–200 mmHg
Delivery rate (can be preselected in 50 ml increments)	0–2 l/min
Dimensions (W x H x D)	300 x 157 x 436 mm
Weight	8.3 kg
Interfaces	USB / CAN bus (core) service interface



Universal Motor Systems

Universal Motor Systems

6.1

PowerSpeed AS1 Universal Motor System

6.2

Power Stick M5/3 and M5/0 Motor Handpieces for PowerSpeed AS1

6.3

Reusable Shaver Blades and Burrs

for Power Stick M5/3, Power Stick M5/0, and Micro Stick S1

6.4

Disposable Shaver Blades and Burrs

for Power Stick M5/3, Power Stick M5/0, and Micro Stick S1

PowerSpeed AS1

Universal motor system



The PowerSpeed AS1 motor system has been developed for universal use and provides extremely comfortable and ergonomic handling.

Quick and powerful resecting, drilling, burring, or sawing – anything is possible.

- Wide range of disposable and reusable shaver blades and burrs
- Intelligent tool detection via RFID chip
- Touchscreen makes user interface easy to operate
- Communication interface with FLUID CONTROL ArthroPump 2204 and **core nova**
- Universal use of all current Richard Wolf motor handpieces
- Wireless footswitch
- Universal use in spinal surgery, bronchoscopy, and arthroscopy

PowerSpeed AS1

Universal motor system

Motor Systems
6.1




MOTOR CONTROL UNIT 2305

Power supply connection 50/60 Hz, 100–240 V

includes power supply cable,

CAN bus connection cable, and packaging **2305001**

Universal motor system for orthopedics and spinal surgery, for connecting motor handpieces when working with shaver and high-speed applications, and for connecting the Power Drill M1.

Recommended accessories		Product no.
Remote footswitch 2 pedals+2 buttons		2305100
Also:		
Power supply unit 6600403		FW8002M/08
Backup cable, WL 3m		2305300

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Technical Data

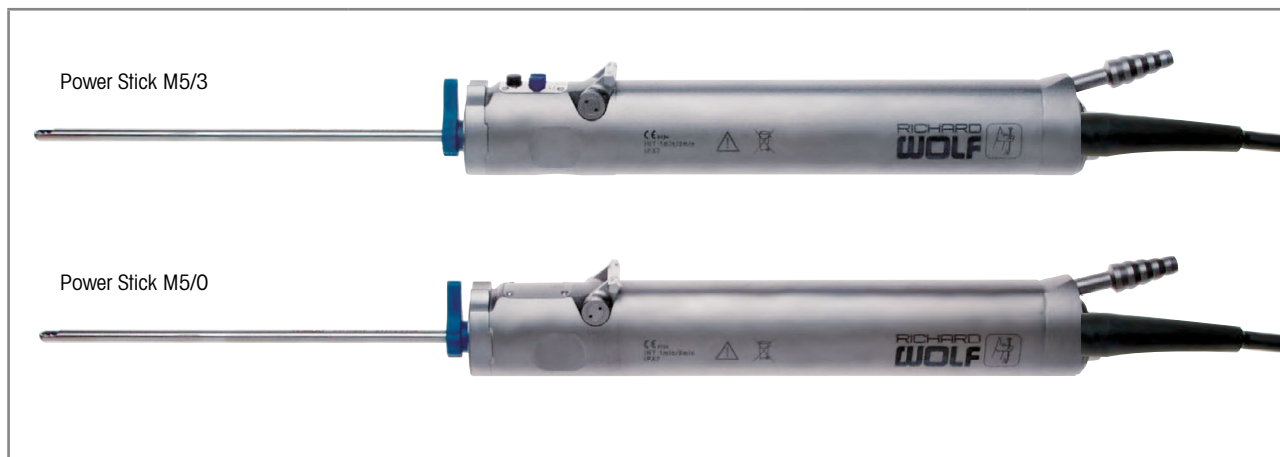
PowerSpeed AS1

MOTOR CONTROL UNIT 2305	2305001
Power supply connection	100–240 VAC, 50/60 Hz
Power consumption	250 VA
Electromagnetic compatibility EMC to	IEC / EN 60601-1-2
Medical Devices Directive 93/42/EEC	Class IIa
Protection class to IEC / EN 60601-1 (ANSI / AAMI ES60601-1 / CAN CSA-C22.2 No. 60601-1)	I
Protection against electric shock	Type BF applied part
Degree of protection against the ingress of liquids	IP 20 (not protected)
Operating mode	Continuous operation
Degree of protection in the presence of flammable mixtures	Device is not protected against explosions (do not operate device in areas where there is a danger of explosion)
Weight	9.2 kg
Dimensions (W x H x D)	300 x 159.5 x 404 mm

Power Stick M5/3

Power Stick M5/0

Motor Handpieces for PowerSpeed AS1



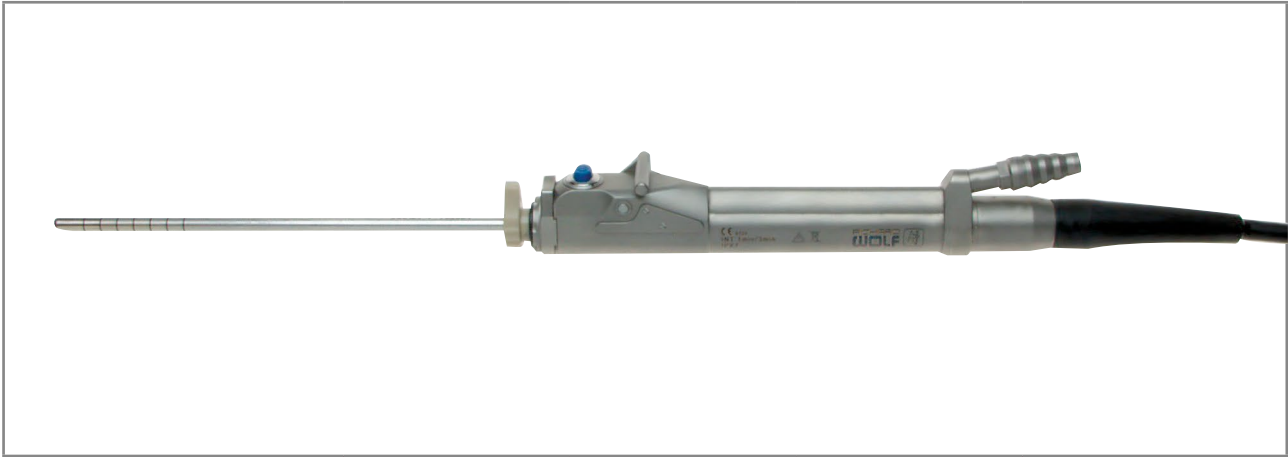
For driving rotation tools with three function buttons			Ø for shaver tools	Product no.
Power Stick M5/3 Motor handpiece max. 16000 rpm	with fixed connection cable, 3.0 m	Operated via button cluster and footswitch	2–6.5 mm	8995500031
	with removable connection cable, 3.0 m			89955.0003
For driving rotation tools			Ø for shaver tools	Product no.
Power Stick M5/0 Motor handpiece max. 16000 rpm	with fixed connection cable, 3.0 m	Operated via footswitch	2–6.5 mm	8995500001
	with removable connection cable, 3.0 m			89955.0000

- Handpieces with/without control panel
- Up to 16,000 rpm
- For tools with a diameter of 2.5–6.5 mm
- Oscillation frequency of up to 4 Hz

Recommended accessories		Product no.
Connection cable, WL 3m	3.0 m long	8564.851
RIWO-System-Tray Steri container W 200 mm L 400mm H 60mm incl. lid and peg mats for motor handpiece and shaver blade	(W x H x D) 400 x 60 x 200 mm	38201.486

Micro Stick S1

Motor handpiece for PowerSpeed AS1



For driving rotation tools with one function button			Ø for shaver tools	Product no.
Motor handpiece max. 3000 rpm	with fixed connection cable, 3.0 m	Operated via the ON/OFF button	2–3.5 mm	899510001





- Mini motor handpiece for exceptional precision in small joints
- Up to 3,000 rpm
- Practical range of accessories
- For shaver tools with a diameter of 2–3.5 mm

Recommended accessories		Product no.
RIWO-System-Tray Steri container W 200 mm L 400 mm H 60 mm incl. lid and peg mats for motor handpiece and shaver blade	(W x H x D) 400 x 600 x 200 mm	38201.486

Reusable Shaver Blades and Burrs

for Power Stick M5/3 and M5/0 motor handpiece,
large interface









	Reusable (1 PC)	Color coding	WL	∅	Product no.
	Resector smooth ∅ 3.5mm	canary yellow	130 mm	3.5 mm	899750003
	Resector smooth ∅ 4.5mm			4.5 mm	899750004
	Resector smooth ∅ 5.5mm			5.5 mm	899750005
	Resector toothed ∅ 2mm	ocher	45 mm	2.0 mm	89975.0032
	Resector toothed ∅ 2.7mm		80 mm	2.7 mm	899750132
	Resector toothed ∅ 3.5mm		130 mm	3.5 mm	89975.0033
	Resector toothed ∅ 4.5mm			4.5 mm	89975.0034
	Resector toothed ∅ 5.5mm			5.5 mm	89975.0035
	Resector aggress ∅ 2.7mm	red	80 mm	2.7 mm	899750332
	Resector aggress ∅ 3.7mm		130 mm	3.7 mm	89975.0333
	Resector aggress ∅ 4.7mm			4.7 mm	89975.0334
	Resector aggress ∅ 5.85mm			5.85 mm	899750335
	Resector oval ∅ 3.5mm	white	130 mm	3.5 mm	89975.0113
	Resector oval ∅ 4.5mm			4.5 mm	89975.0114
	Resector oval ∅ 5.5mm			5.5 mm	89775.0115

Reusable Shaver Blades and Burrs

for Power Stick M5/3 and M5/0 motor handpiece,
large interface



	Reusable (1 PC)	Color coding	WL	Ø	Product no.
	Resector convex curved smooth Ø 3.5mm	canary yellow	130 mm	3.5 mm	89975.0253
	Resector convex curved smooth Ø 4.5mm			4.5 mm	89975.0254
	Resector concave curved smooth Ø 3.5mm	canary yellow	130 mm	3.5 mm	89975.0263
	Resector concave curved smooth Ø 4.5mm			4.5 mm	89975.0264
	End cutter Ø 3.5mm	black	130 mm	3.5 mm	89975.0493
	End cutter Ø 4.5mm			4.5 mm	89975.0494
 with lateral protection	Burr round Ø 3mm	gulf blue	80 mm	3.0 mm	89975.0503
	Burr round Ø 4.5mm		130 mm	4.5 mm	89975.0504
	Burr round Ø 5.5mm			5.5 mm	89975.0505
 no hood	Burr round Ø 6mm	royal blue	130 mm	6.0 mm	89975.0516
 with lateral protection	Acromionizer Ø 3.5mm	purple	130 mm	3.5 mm	89975.0553
	Acromionizer Ø 4.5mm			4.5 mm	89975.0554
	Acromionizer Ø 5.5mm			5.5 mm	89975.0555
	Acromionizer Ø 6.5mm			6.5 mm	89975.0556

Reusable Shaver Blades and Burrs

for Power Stick M5/3 and M5/0 motor handpiece
for hip arthroscopy



	Reusable (1 PC)	Color coding	WL	Ø	Product no.
	Resector toothed Ø 4.7mm	ocher	200 mm	4.7 mm	899732004*
	Resector aggress Ø 4.7mm	red	200 mm	4.7 mm	899732334*
	Resector convex curved aggress Ø 4.7mm	red	200 mm	4.7 mm	899732254
	Resector convex curved aggress Ø 4.7mm	red	200 mm	4.7 mm	899732264
 with 2 mm retracted lateral protection	Burr round Ø 5.5mm	gulf blue	200 mm	5.5 mm	899732504
 with 2 mm retracted lateral protection	Acromionizer Ø 5.5mm	purple	200 mm	5.5 mm	899732555

* Shaver blade with distal guide hole for guide wire Ø 2.0 mm

Reusable Shaver Blades and Burrs

for Micro Stick S1,
small interface




	Reusable (1 pc)	Color coding	WL	∅	Product no.
	Resector toothed ∅ 2mm	ocher	45 mm	2.0 mm	89971.0032
	Resector toothed ∅ 3.5mm		130 mm	3.5 mm	89971.0033
	Resector toothed ∅ 4.5mm			4.5 mm	89971.0034
	Resector toothed ∅ 2.5mm		80 mm	2.5 mm	899710132
	Resector aggress ∅ 2.7mm	red	80 mm	2.7 mm	899710332
	Resector oval ∅ 3.5mm	white	130 mm	3.5 mm	89971.0113
	Resector oval ∅ 4.5mm			4.5 mm	89971.0114
	Resector convex curved smooth ∅ 4.5mm	canary yellow	130 mm	4.5 mm	89971.0254
	Resector concave curved smooth ∅ 4.5mm	canary yellow	130 mm	4.5 mm	89971.0264
 with lateral protection	Burr round ∅ 3mm	gulf blue	80	3.0 mm	89971.0503

Disposable Shaver Blades and Burrs

for Power Stick M5/3 and M5/0 motor handpiece



	Disposable (5 PCS, in individual sterile packaging)	Color coding	WL	∅	Product no.
	Resector smooth ∅ 3.5mm	canary yellow	130 mm	3.5 mm	49975.0003
	Resector smooth ∅ 4.5mm			4.5 mm	49975.0004
	Resector smooth ∅ 5.5mm			5.5 mm	49975.0005
	Resector toothed ∅ 3.5mm	ocher	130 mm	3.5 mm	49975.0033
	Resector toothed ∅ 4.5mm			4.5 mm	49975.0034
	Resector toothed ∅ 5.5mm			5.5 mm	49975.0035
	Resector aggress ∅ 2.5mm	red	80 mm	2.5 mm	499750332
	Resector aggress ∅ 3.5mm		130 mm	3.5 mm	49975.0333
	Resector aggress ∅ 4.5mm			4.5 mm	49975.0334
	Resector aggress ∅ 5.5mm			5.5 mm	49975.0335
	Resector oval ∅ 3.5mm	white	130 mm	3.5 mm	49975.0113
	Resector oval ∅ 4.5mm			4.5 mm	49975.0114
	Resector oval ∅ 5.5mm			5.5 mm	49975.0115

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Disposable Shaver Blades and Burrs

for Power Stick M5/3 and M5/0 shaver handle






	Disposable (5 PCS. in individual sterile packaging)	Color coding	WL	Ø	Product no.
	Resector convex curved smooth Ø 3.5mm	canary yellow	130 mm	3.5 mm	49975.0253
	Resector convex curved smooth Ø 4.5mm			4.5 mm	49975.0254
	Resector convex curved smooth Ø 5.5mm			5.5 mm	49975.0255
	Resector concave curved smooth Ø 3.5mm	canary yellow	130 mm	3.5 mm	49975.0263
	Resector concave curved smooth Ø 4.5mm			4.5 mm	49975.0264
	Resector concave curved smooth Ø 5.5mm			5.5 mm	49975.0265
	End cutter Ø4.5 mm	black	130 mm	4.5 mm	49975.0494
 with lateral protection	Burr round Ø 4.5mm	gulf blue	130 mm	4.5 mm	49975.0504
 no hood	Burr round Ø 6mm	gulf blue	130 mm	6.0 mm	49975.0516
 with lateral protection	Acromionizer Ø 3.5mm	purple	130 mm	3.5 mm	49975.0553
	Acromionizer Ø 4.5mm			4.5 mm	49975.0554
	Acromionizer Ø 5.5mm			5.5 mm	49975.0555
	Acromionizer Ø 6.5mm			6.5 mm	49975.0556

Disposable Shaver Blades and Burrs

for Power Stick M5/3 and M5/0 shaver handle

for hip arthroscopy



	Disposable (5 PCS, in individual sterile packaging)	Color coding	WL	∅	Product no.
	Resector curved universal ∅ 4.5mm	gray	160 mm	4.5 mm	499732274
 with 2 mm retracted lateral protection	Resector universal ∅ 4.5mm	gray	160 mm	4.5 mm	499732344
 with 2 mm retracted lateral protection	Burr oval ∅ 5.5mm	purple	160 mm	5.5 mm	499732565

Disposable Shaver Blades and Burrs

for Micro Stick S1



	Disposable (5 PCS, in individual sterile packaging)	Color coding	WL	∅	Product no.
	Resector toothed ∅ 2mm	ocher	45 mm	2.0 mm	49971.0032
	Resector toothed ∅ 3.5mm		130 mm	3.5 mm	49971.0033
	Resector aggress ∅ 2.5mm	red	80 mm	2.5 mm	499710332
	Resector oval ∅ 3.5mm	white	130 mm	3.5 mm	49971.0113
 with lateral protection	Burr round ∅ 3mm	gulf blue	130 mm	3.0 mm	49971.0503
 with lateral protection	Burr oval ∅ 3.5mm	canary yellow	130 mm	3.5 mm	49971.0553

