

Hit the **p**oint!



COXARTIS

Instrument Set for arthroscopy of the hip

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Instruments for access and dilatation system





Stable **puncture cannulas** allow direct passage through all soft tissue structures for the primary access to the joint under X-ray control and the creation of other access portals under endoscopic control.



The semi flexible **guide wires** made of Nitinol (Ø 2 mm) are introduced through the inner lumen of the puncture cannulas into the joint and serve as a blunt guide rail for the introduction of all cannulated instruments.





As the first dilator, the **cannulated rod** expands the access portal to the joint over the guide wire. The trocar sleeves of the arthroscope can be introduced directly over this rod.

The **semi dish shape of the guide tube** is used as a guide channel for introducing instruments. This can be introduced into the joint either via its cannulated obturator or via a dilator (blue).

The user-friendly **dilation system** consists of three colour-coded "one-step" dilators, each with a different diameter, that are introduced into the hip joint one after the other starting with the smallest diameter using the ergonomic handpiece attachment.


	Puncture cannula with inner needle, set of 2 , Ø 2.65 mm, capacity 2.0 mm, WL 180 mm	891732018
	Guide wire, flexible, set of 2 Ø 2.0 mm, WL 450 mm	891534020
	Rod, cannulated Ø 4.0 mm, capacity 2.0 mm, TL 325 mm	891532040
	Guide rod Ø 4.0 mm, TL 325 mm	8863.75

	Guide tube, slotted Ø 8.6 mm, inner Ø 7.0 mm, WL 120 mm	891237012
	Obturator, cannulated capacity 2.0 mm	891232070

	Dilator capacity 2.0 mm, TL 220 mm	Ø 5.0 mm	891532050
		Ø 7.0 mm	891532070
		Ø 9.0 mm	891532090
	Handpiece attachment		891530000

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The new COXARTIS alignment device set: precise and comfortable

	<p>Alignment device, set consisting of: Alignment arc (891240100), Guide sleeve (891240200), Guide slide (891240300), Irrigation ring, rotatable (891240400)</p>	<p>891240000</p>
	<p>Alignment arc with adapter for rotatable irrigation ring</p>	<p>891240100</p>
	<p>Guide sleeve for mounting the puncture cannula 891732018</p>	<p>891240200</p>
	<p>Guide attachment for mounting the guide sleeve</p>	<p>891240300</p>
	<p>Irrigation ring, rotatable with two stopcocks and adapter for alignment arc</p>	<p>891240400</p>

The automatic locking mechanism between the rotatable irrigation ring and the alignment arc provides intuitive handling of the **alignment device**.

Fixing the alignment arc at the irrigation ring means that the working length of 14.5 cm for the trocar sleeve is retained in full. This permits the use of the alignment device in obese patients.

The strategically selected configuration of the stopcocks at the irrigation ring means that the connected tubes are routed away to the side.

The locking points guide sleeve – guide attachment and guide attachment – alignment arc can be operated with zero tolerance, and are easy and fast.

The puncture cannula is positioned at the alignment point with a high level of precision.

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Telescopes and sheath systems for arthroscopy of the hip

The **Arthrolution trocar sleeves** were shaped specially for atraumatic use in the joint in conjunction with a PANOVIEW telescope with a 70° angle of view. Telescopes with a 30° or a 45° angle of view can also be used. A maintenance-free click locking mechanism guarantees simple, safe and fast connection of the telescopes in the trocar sleeves.

Cannulated trocars allow direct introduction of the arthroscopes into the joint via the guide wire.

A new **continuous-irrigation arthroscope** was developed to optimise the view in the joint. Balanced continuous irrigation and suction allow the joint to be irrigated quickly and guarantee an excellent view.



Longer arthroscopes are also available for obese patients.

	PANOVIEW telescope	30°, Ø 4,0 mm, NL 175 mm	8880.543
		45°, Ø 4,0 mm, NL 175 mm	8880.544
		70°, Ø 4,0 mm, NL 180 mm	8880547
	Arthrolution trocar sleeve with 2 swivel taps, Ø 6.0 mm, WL 145 mm		8912312603
	Trocar, cannulated capacity 2.0 mm		891234073
	Arthrolution trocar sleeve Ø 5.3 mm, WL 145 mm		8912312533
		Outer sheath with two swivel taps Ø 6.3 mm, WL 130 mm	8912300633
	Trocar, semi-blunt		891234052


	PANOVIEW telescope	30°, Ø 4,0 mm, NL 255 mm	891134030
		70°, Ø 4,0 mm, NL 258 mm	891134070
	Arthrolution trocar sleeve with 2 swivel taps, Ø 6.0 mm, WL 215 mm		8912312607
	Trocar, cannulated capacity 2.0 mm		891234077

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Accessories and instruments for arthroscopy of the hip

	Adapter , autoclavable	8580.91
	Stopper	89101.0000

An **adapter** allows the use of telescopes with different angles of view during the operation and the transfer of the camera under sterile conditions.

	Irrigation cannula Ø 8.0 mm, capacity 7.0 mm, WL 168 mm	891737080
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The **large-lumen, atraumatic irrigation channel** is used for the efficient aspiration of particles and foreign bodies from the hip joint and can be introduced in conjunction with a Ø 7 mm dilator (891532070).

	Hooked probe WL 150 mm, graduated in steps of 2.5 mm, height H = 4.5 mm	891534515
		
	Banana knife WL 125 mm	8436.251
		

Extended **hooked probe**, graduated for palpation and measuring.

Banana knife for incision of the joint capsule.




COXARTIS

Curettes and microfractors for arthroscopy of the hip

Specially shaped **curettes** with ergonomic handpieces for effective removal and smoothing of bone, remnants of cartilage and calcium deposits.

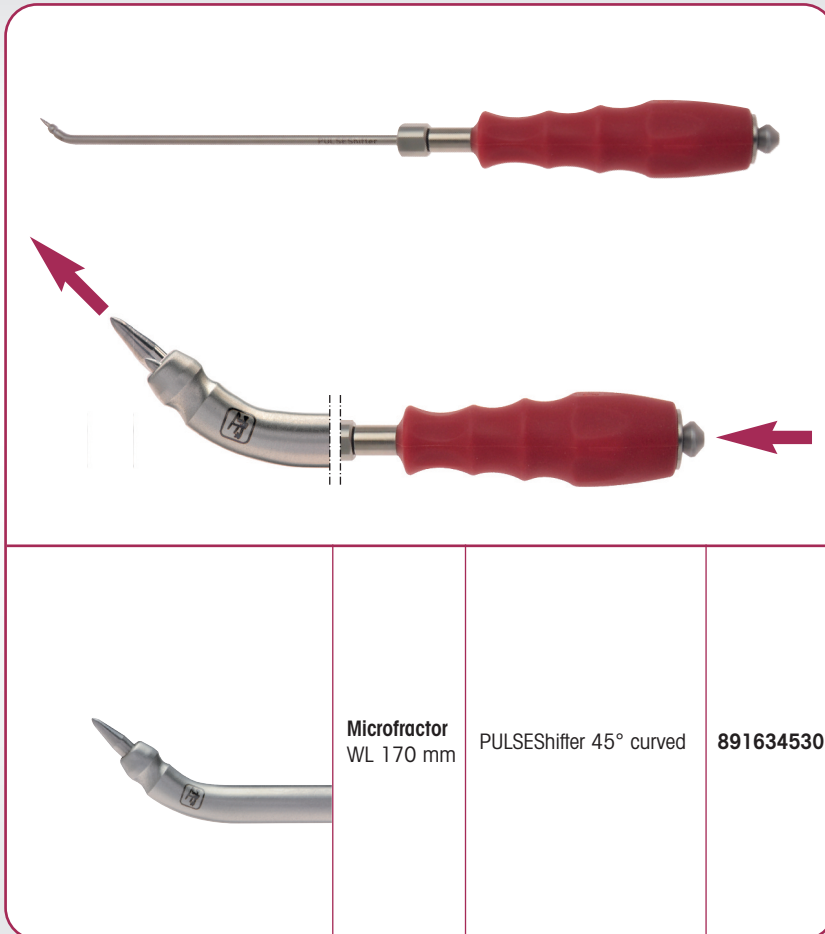
			
	Curette, square	angled, distal tip curved upwards, sharp on both sides, 4.5 mm, WL 170 mm	891632245
		angled, distal tip curved upwards, sharp on both sides, 6.0 mm, WL 170 mm	891632260
	Curette, round	angled, distal tip curved upwards, sharp on both sides, Ø 5.5 mm, WL 170 mm	891631255
		angled, distal tip curved upwards, sharp on both sides, Ø 7 mm, WL 170 mm	891631270

Graduated **microfractors** with tips at a variety of angles for microfracture of cartilage defects with ergonomic handpieces.

			
	Microfractor WL 170 mm	15° curved	891631521
		30° curved	891633021
		45° curved	891634521
		60° curved	891636021
		80° curved	891638021
	Microfractor WL 170 mm	35° S-shaped	891633522
		60° S-shaped	891636022

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The **PULSEShifter** - "Hit the point"




The **PULSEShifter** is introduced into the hip joint using a half-shell. The movable tip of the microfractor is rotated in the direction of the half-shell to protect against injuries. The instrument is placed in the joint so that the tip is positioned at the desired defect point of the cartilage. The tip is perpendicular to the cartilage-bone surface and is used to hook in the instrument before microfracturing.

The tip is now punched into the cartilage defect site using a measured hammer blow applied to the proximal end of the microfractor. A penetration depth of up to 5 mm can be achieved by this means. The **PULSEShifter** is then positioned at the next defect point, hooked in and a further hammer blow is applied.





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Instruments for arthroscopy of the hip

The **atraumatic grasping forceps** can be used to grasp and remove foreign bodies and remnants of bone.

	<p>Atraumatic grasping forceps (modular) Ø 5 mm, WL 240 mm consisting of: Jaw insert (8392.181), sheath tube (8392.913), user-friendly handle rotatable without HF and locking mechanism (8393.0001)</p>	<p>83921811</p>
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Sharp **punches** with adapted length and various degrees of bend and angle used to resect dense tendinous and ligamentous structures.

			
		<p>Jaws curved upwards</p>	<p>891432102</p>
	<p>ARTHROline punch Ø 4 mm, WL 180 mm, height of jaws 1.6 mm</p>	<p>curved left, jaws curved upwards</p>	<p>891432101</p>
		<p>curved right, jaws curved upwards</p>	<p>891432103</p>
		<p>standard, shaft curved upwards</p>	<p>891432122</p>

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Universal motor system **PowerDrive ART1**

	PowerDrive ART1 set comprising: PowerDrive ART1 generator, CAN-Bus connecting cable (103.701), power cable (2440.03)	230 V~ 50/60 Hz	2304.0011
		100 V~ 50/60 Hz	2304.0021
		110 V~ 50/60 Hz	2304.0041
		115 V~ 50/60 Hz	2304.0061
		120 V~ (USA) 50/60 Hz	2304.0071
		127 V~ 50/60 Hz	2304.0121
		240 V~ 50/60 Hz	2304.0141
	Footswitch		2304.901
	Power Stick M5/0 without keypad with fixed connection cable		8995500001
	Power Stick M5/3 with keypad with fixed connection cable		8995500031

Powerful shaver handpieces with a maximum working speed of 16000 rpm as well as a multi functional handpiece for drilling and sawing tools can be connected to the universal motor system **PowerDrive ART1**.

You will find more information on the **PowerDrive ART1** in the separate brochure.

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Resectors and burrs for arthroscopy of the hip


The cannulated **resectors** with adapted length can be placed in the joint over a guide wire. The optimised cutting properties also allow resection of dense tendinous and ligamentous tissue.




Oval and round **burrs** allow effective resection of bone.

The **universal resectors** have a geometry which can be used for effective resection of soft tissue and to remove bony structures.



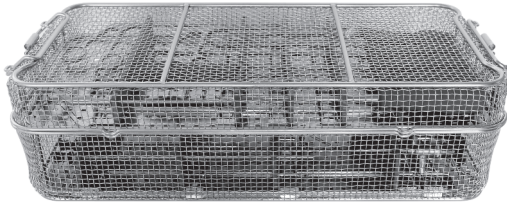
	Resector serrated, Ø 4.5 mm, WL 200 mm with distal guide hole for Ø 2 mm guide wire	899732004
	Resector aggressive curved convex, Ø 4.5 mm, WL 200 mm	899732254
	Resector aggressive curved concave, Ø 4.5 mm, WL 200 mm	899732264
	Resector aggressive, Ø 4.5 mm, WL 200, with a distal guide hole for guide wire Ø 2 mm	899732334
	Round Burr, hooded, Ø 5.5 mm, WL 200 mm, distal protection set back 2 mm	899732504
	Acromionizer, Ø 5.5 mm, WL 200 mm, distal protection set back 2 mm	899732555



	Resector universal, curved Ø 4.5 mm, sterile (pack of 5) WL 160 mm, disposable	499732274
	Resector universal, Ø 4.5 mm, sterile (pack of 5) WL 160 mm, disposable	499732344
	Acromionizer, Ø 5.5 mm, sterile (pack of 5) WL 160 mm, distal protection set back 2 mm, disposable	499732565

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Tray for COXARTIS hip instruments



Sterilization basket

for instruments in hip arthroscopy

<p>Sterilization Basket</p>	<p>consisting of: 1x basket lower part (8584.5202), 1x basket lid (74018096), 2x spring lock medium (74015043), 1x instrument rack, up (74018101), 1x support bar (74018108), 1x silicone holder set hip surgery, up (85849105), 1x instrument rack, bottom (74018102), 1x support bar (74018109), 1x silicone holder set hip surgery, bottom (85849106)</p>	<p>85841215</p>
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