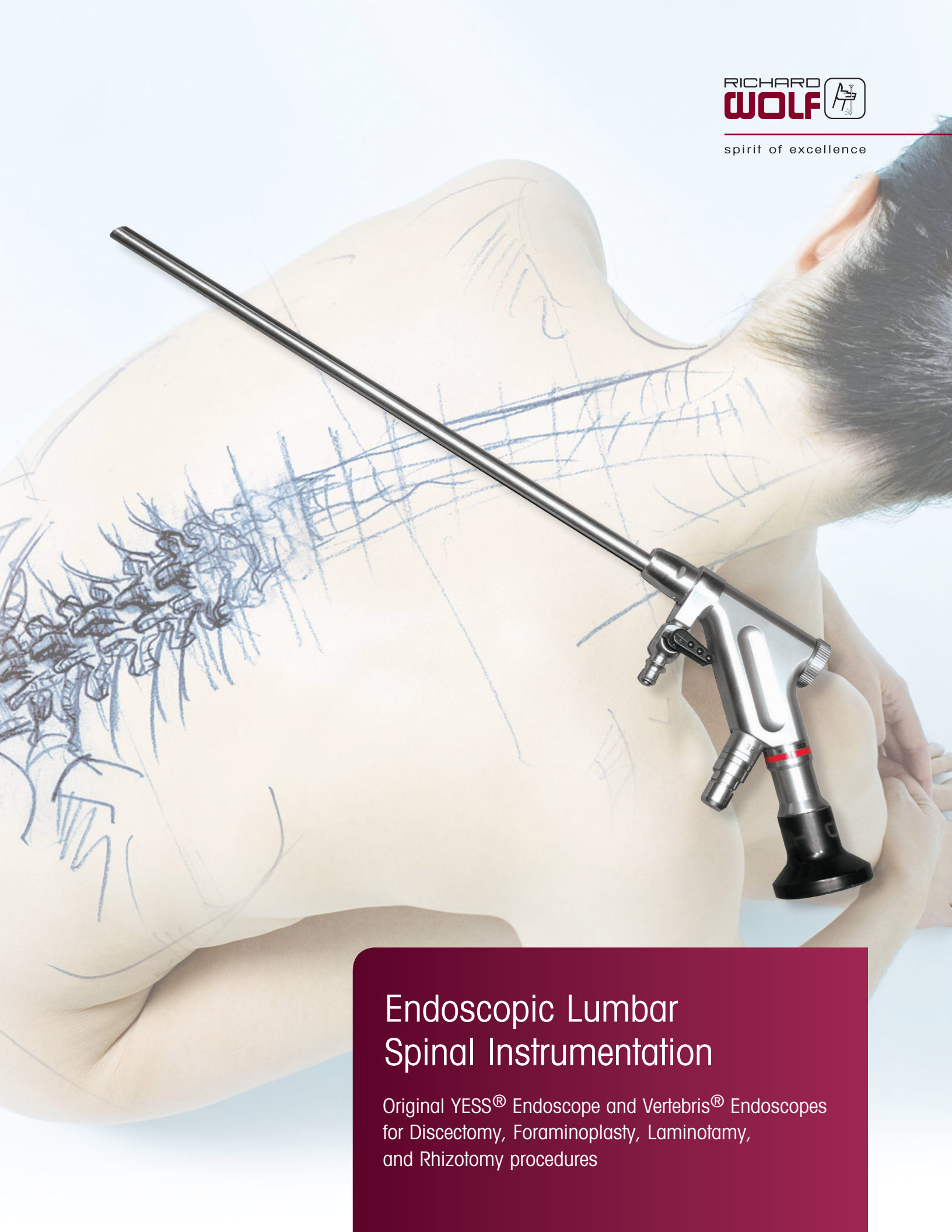
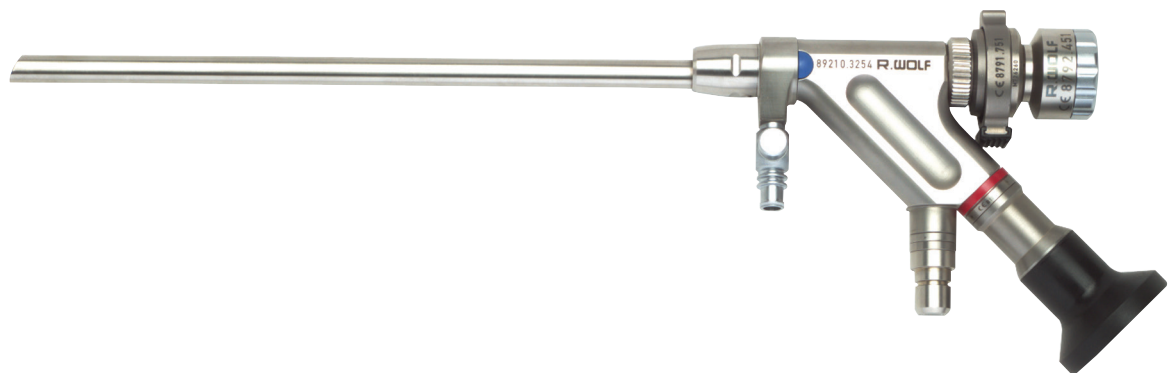




Endoscopic Lumbar Spinal Instrumentation

Original YESS® Endoscope and Vertebris® Endoscopes
for Discectomy, Foraminoplasty, Laminotomy,
and Rhizotomy procedures

Spine Endoscopes



Shown with optional 8791.751 Qui-Connect adapter and 8792.451 sealing attachment

Vertebris® Spine Endoscopes

	Angle of View	Outside ø	Working Channel	Working Length	Item
 PANOVIEW PLUS Spine Endoscope	25°	5.9 x 5.0 mm	3.1 mm	205 mm	89210.1253
	25°	5.9 x 5.0 mm	3.1 mm	165 mm	89210.3253
	25°	5.9 x 5.0 mm	3.1 mm	124 mm	89210.7253
	25°	6.9 x 5.6 mm	4.1 mm	205 mm	89210.1254
	25°	6.9 x 5.6 mm	4.1 mm	165 mm	89210.3254



YESS
2.7 mm



Vertebris
3.1 mm



Vertebris
4.1 mm

- Original YESS spine endoscope has separate inflow / outflow irrigation channels for the clearest view.

- **Vertebris Endoscopes** have larger working channels (green area) of 3.1 mm or 4.1 mm diameter to allow larger instrumentation and powered tools.



- **Endoscope's stopcock** can be rotated 360,° and can be removed for cleaning.

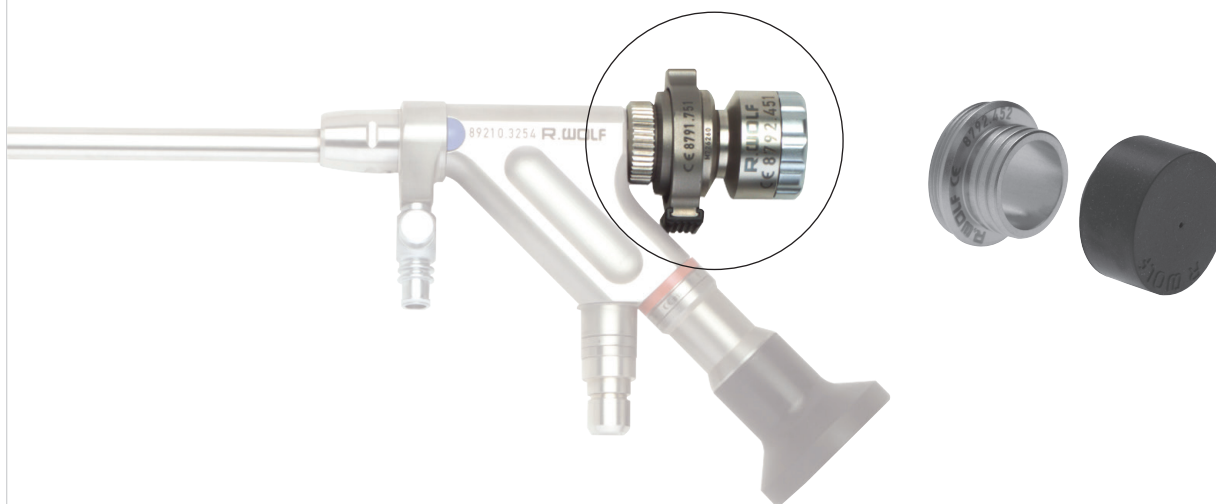
Spine Endoscopes



Shown with Qui-Connect adapter (8791.751) and optional sealing attachment (8792.451)

YESS® Spine Endoscope

	Angle of View	Outside ø	Working Channel	Working Length	Item
Spine Endoscope	20°	5.8 x 5.1 mm	2.7 mm	205 mm	8792.411



	Item
Sealing attachment	8792.451
Qui-Connect adapter	8791.751
Membrane valves, yellow	89.103
Sealing cap adapter	8792.452
Sealing cap, black, 0-2 mm	89.00
Sealing cap, red, 2-3 mm	89.01
Sealing cap, blue, 3-4 mm	89.02

Access Instruments

	
Positioning Probe	
	Item
Positioning probe	8791.701

			
Spinal Needle Sets			
	Outside ø	Working Length	Item
Spinal needle 18 Ga. disposable (10/box, individually sterile packed) consisting of 18 Ga. needle and guide-wire (blunt on both ends)	1.25 mm	250 mm / 10 in	4792.802
	1.25 mm	150 mm / 6 in	4792.803
	1.25 mm	90 mm / 3.5 in	492206112

			
Dilators			
	Outside ø	Working Length	Item
Dilator, 2-channel 	5.9 mm	225 mm	8792.764
	6.9 mm	235 mm	89220.1508



Working sleeves are available in different outer diameters, working lengths, and tip configurations. The black mark indicates the alignment of the distal window.

Working Sleeves

Distal Shape (window)	Outside $\varnothing$	Working Length	Item
Working sleeve 	7.0 mm	100 mm	88100.7107
	7.0 mm	120 mm	88100.3007
	7.0 mm	145 mm	89220.1057
	7.0 mm	165 mm	15208.261
	8.0 mm	165 mm	15208.264
Working sleeve with bevel 	7.0 mm	100 mm	89220.7017
	7.0 mm	120 mm	89220.3007
	7.0 mm	165 mm	15208.257
	7.0 mm	185 mm	89220.1047
	8.0 mm	120 mm	89220.3008
	8.0 mm	165 mm	15208.262
Working sleeve with elevator tip 	8.0 mm	185 mm	89220.1078
	7.0 mm	165 mm	15208.258
	7.0 mm	185 mm	89220.1157
	8.0 mm	165 mm	15208.265
Working sleeve with long elevator tip 	8.0 mm	185 mm	89220.1088
	7.0 mm	165 mm	89220.1117
	7.0 mm	185 mm	89220.1167
	8.0 mm	165 mm	89220.1068
Foraminoplasty sleeve 	8.0 mm	185 mm	89220.1098
	7.0 mm	145 mm	89220.1017
	7.0 mm	165 mm	89220.1007
	8.0 mm	145 mm	89220.1018
Working sleeve with short lateral window 	8.0 mm	165 mm	15208.266
	7.0 mm	165 mm	15208.255
	7.0 mm	185 mm	89220.1147
Working sleeve with long lateral window 	7.0 mm	165 mm	89220.1087
	7.0 mm	185 mm	89220.1037
Working sleeve with 45° window 	8.0 mm	185 mm	89220.1038
	7.0 mm	165 mm	89220.1137
Working sleeve with distally closed window 	7.0 mm	165 mm	15208.260
	7.0 mm	185 mm	89220.1027
	8.0 mm	185 mm	89220.1028
Working sleeve with dual window 			

Access Instruments



Driving Sleeve			
	Outside ø	Working Length	Item
Driving Sleeve (Impactor)	7 mm	155 mm	89220.1407
	8 mm	155 mm	89220.1408



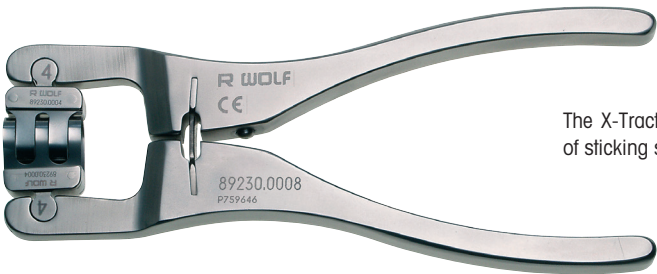
Fluid Adapter



Working Sleeve Attachment

Working Sleeve Adapters		
Description	Inner Diameter	Item
Fluid adapter with quick connect*	7 mm	89220.1307
Fluid adapter with quick connect*	8 mm	89220.1308
Sealing cap, gray	5-6 mm	89.03
Working sleeve attachment	7 mm	89200.1007
Working sleeve attachment	8 mm	89200.1008

*Includes 89.03 gray sealing cap, 5-6 mm



The X-Tractor is used for simple withdrawal of sticking sleeves and dilators.

X-Tractor

Description		Item
X-Tractor Set, consists of Handle (89230.0008), Clamping device No. 3 (89230.0003) and Clamping device No. 4 (89230.0004) (shown)		89230.0000
Clamping device No. 3 for diameter 4.5-6.0 mm		89230.0003
Clamping device No. 4 for diameter 6.0-8.5 mm		89230.0004



Mallet

		Item
Mallet		8866.956

Forceps, Rongeurs, Punches

(for use through endoscope)



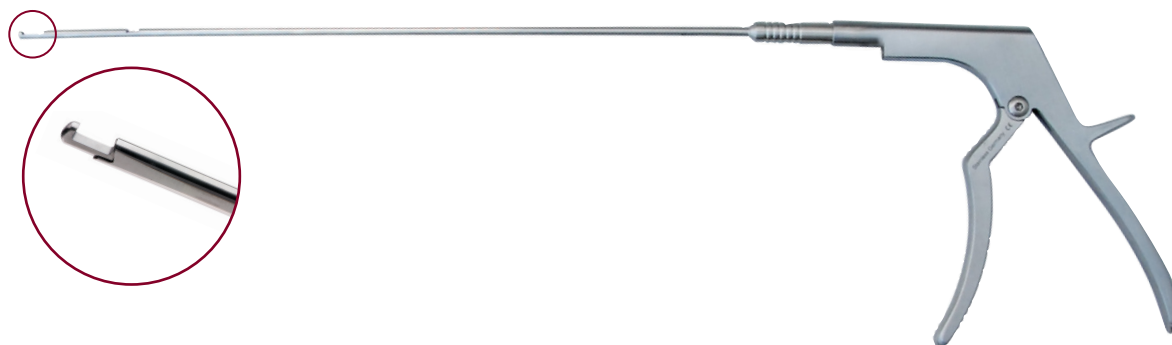
Forceps, Rongeurs, Punches

		Outside ø	Working Length	Item
Grasping Forceps		2.5 mm	360 mm	89230.1125
		3.0 mm	360 mm	89230.1003
		4.0 mm	360 mm	89230.1004
Micro-Rongeur		2.5 mm	290 mm	89240.2025
		2.5 mm	360 mm	8792.632
		3.0 mm	290 mm	89240.3003
		3.0 mm	360 mm	89240.1003
		4.0 mm	290 mm	89240.3004
		4.0 mm	360 mm	89240.1004
Micro-Rongeur, double action		2.5 mm	290 mm	89240.2125
		2.5 mm	360 mm	8792.636
		3.0 mm	290 mm	89240.3013
		3.0 mm	360 mm	89240.1013
		4.0 mm	290 mm	89240.3014
		4.0 mm	360 mm	89240.1014
Micro-Punch		2.5 mm	290 mm	89240.2225
		2.5 mm	360 mm	8792.671
		3.0 mm	290 mm	89240.3023
		3.0 mm	360 mm	89240.1023
		4.0 mm	290 mm	89240.3024
		4.0 mm	360 mm	89240.1024
Scissors		3.0 mm	360 mm	89240.1703
Micro-Bone Punch		2.5 mm	290 mm	89240.2325
		3.0 mm	290 mm	89240.3903
		3.0 mm	360 mm	89240.1903
		4.0 mm	290 mm	89240.3904
		4.0 mm	360 mm	89240.1904
Micro-Punch, curved*		2.5 mm	360 mm	89240.1034
Micro-Rongeur, curved*		2.5 mm	360 mm	89240.1044

*For use through 4 mm working channel

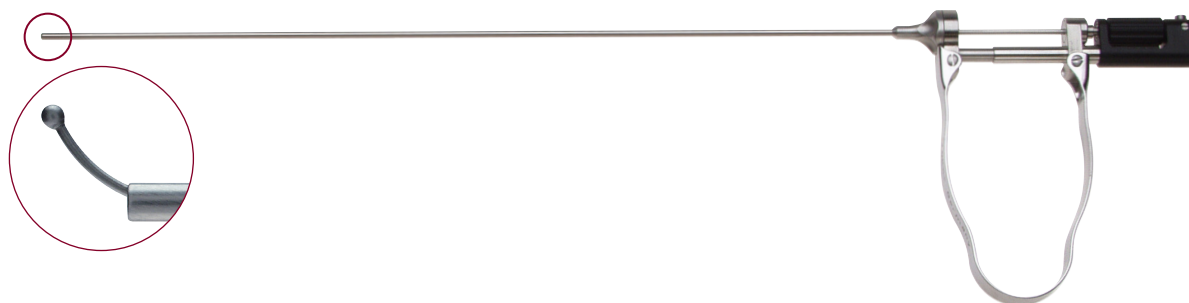
Kerrisons and Probes

(for use through endoscope)



Kerrison Punch

		Outside ø	Working Length	Item
Handle		•	•	881001234
Shaft with 40° tip		4.0 mm	360 mm	881001404
			290 mm	881003404
Shaft with 90° tip		4.0 mm	360 mm	881001904
			290 mm	881003904

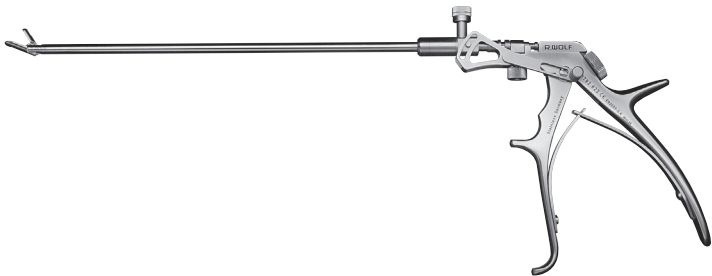


Probe with Flexible Tip

	Outside ø	Working Length	Item
Probe with Flexible Tip, Long	2.5 mm	350 mm	89250.1925
Replacement inner probe element, pack of 3	•	350 mm	89250.1625
Probe with Flexible Tip, Short	2.5 mm	290 mm	89250.6925
Replacement inner probe element, pack of 3	•	290 mm	89250.6625

Intradiscal Rongeurs

(for use through working sleeve)*



Articulating Rongeurs		Outside ø	Working Length	Item
Grasping Forceps		5.2 mm	240 mm	8792.623
Rongeur with Conical Jaw		4.0 mm	360 mm	89240.1624*
		5.2 mm	210 mm	89240.1052

*89240.1624 for use through working channel of 4.1 mm endoscopes (89210.1254 and 89210.3254)



Non-Articulating Rongeurs		Outside ø	Working Length	Item
		5.2 mm	210 mm	8791.601
		5.2 mm	210 mm	8791.691



For use through working sleeve

Trephines

	Ø Distal Cutting Window	Outside Ø	Working Length	Item
	3.0 mm	5.9 mm	180 mm	8792.503
	5.3 mm	5.9 mm	180 mm	8792.504
	6.3 mm	6.9 mm	210 mm	89260.1108



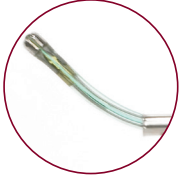
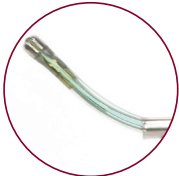
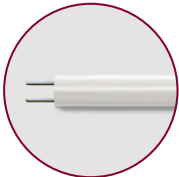
For use through endoscope

Dissectors

		Outside Ø	Working Length	Item
		2.5 mm	350 mm	8792.591
		3.0 mm	350 mm	89250.1003
		4.0 mm	350 mm	89250.1004
Rasp		2.5 mm	350 mm	8792.541
Spoon		2.5 mm	350 mm	8792.562
Curette		2.5 mm	350 mm	8792.571
Annulotome		2.5 mm	350 mm	8792.581
End-cut burr		3.0 mm	350 mm	89260.1113
		4.0 mm	350 mm	89260.1114

RF Generator and Bipolar Probes

	Dimensions (W x H x D)	Power supply	Item
Surgi-Max® Plus RF Generator Surgi-Max® Plus Dual 4 MHz radio frequency unit, power monopolar max. 120 W / 4 MHz, bipolar max. 120 Watt / 1.7 MHz, incl. foot-switch (2345.901) and power cable (7101.54) 	235 x 170 x 337 mm	100 / 120 / 220 / 240 VAC., 50 / 60 Hz	2345.0011

 			
	Outside ø	Working Length	Item
Trigger-Flex (Single use, Sterile)	2.5 mm	40 cm	4793.692
 			
	Outside ø	Working Length	Item
Trigger-Flex (Single use, Sterile)	2.5 mm	31 cm	40990.0031
 			
	Outside ø	Working Length	Item
Bi-Tip Flextrode (Disposable)	2.7 mm	265 mm	47220.7105

High Speed Powered Burrs



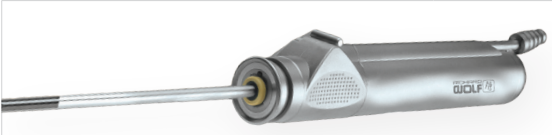
spirit of excellence

Item	
Combidrive EN Set (includes control unit, foot pedal, electronic motor, angled hand-piece, cleaning spray and attachment) 	20951.011
Control Unit	20951.0201
Foot Pedal	20951.0401

Item	
Endoscopic Angled Handpiece 	82950.1301
Electronic Motor (with connecting cable) 	80951.0002

Diamond Burr and Outer Tube, Open 	Tungsten Carbide Burr and Outer Tube with Distal Guard 	
	Diameter	Item
Ball Burr, (single use, sterile, pack of 5)	3 mm Tungsten Carbide	40990.3730
	3 mm Diamond	40990.3930
	4 mm Diamond	40990.3940
Outer Tube with Distal Guard	4 mm	82970.1330
Outer Tube, Open	4 mm	82970.1340
Outer Tube, Open, extra visibility	4 mm	88100.1340

Powered Resectors and Burrs

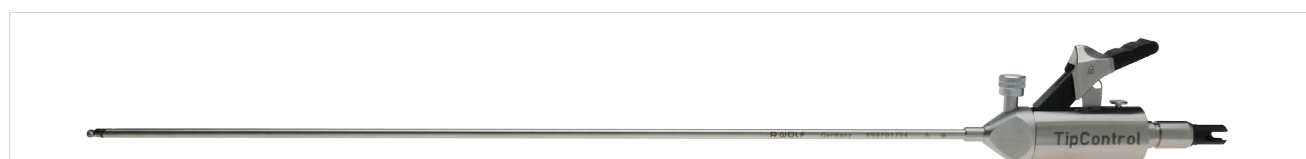
	
Item	
Power Stick M4, Maximum 6,000 RPM	8564.121

	
Item	
Power Stick M5/0, Maximum 8,000 RPM	89955.0000
Universal Connecting Cable	8564.851



Accessories for Power Stick for Endoscopic Spine Surgery

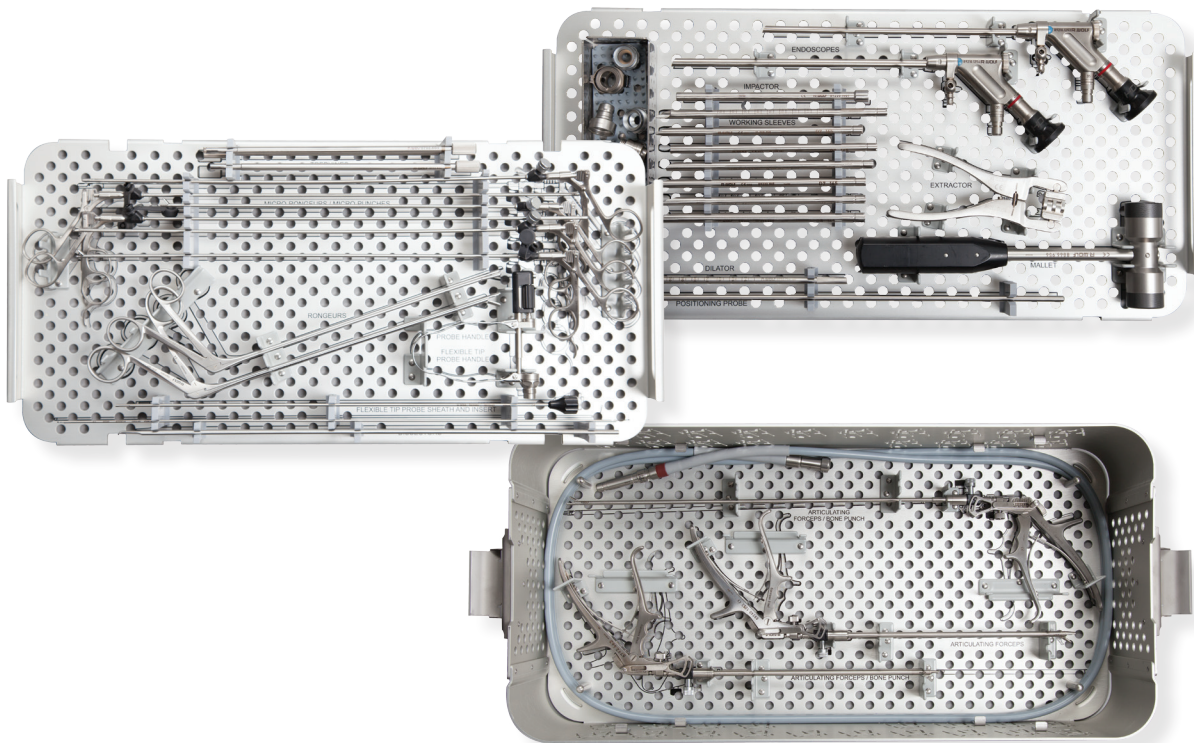
Single-Use Resector Blades, Supplied Sterile		Diameter	Working Length	Power Stick M4	Power Stick M5
	Nucleus Resector, Straight	4.5 mm	220 mm	40990.1045	•
	Nucleus Resector, Curved	4.5 mm	220 mm	40990.4045	•
Reusable Resector Blades and Burrs					
	Ball Burr	2.5 mm	350 mm	•	899751302
		3.0 mm	350 mm	•	899751303
		4.0 mm	350 mm	•	899751304
	Nucleus Resector, Laterally Hooded	3.0 mm	350 mm	89970.1003	899751003
		4.0 mm	350 mm	89970.1004	899751004
	Oval Burr, Laterally Hooded	2.5 mm	350 mm	8792.312	899751502
		3.0 mm	350 mm	89970.1503	899751503
		4.0 mm	350 mm	89970.1504	899751504
	Oval Burr, Laterally and Distally Hooded	2.5 mm	350 mm	•	899751512
		3.0 mm	350 mm	89970.1513	899751513
		4.0 mm	350 mm	89970.1514	899751514



Articulating Burr

	Diameter	Working Length	M4	M5
Tip Control Articulating Bone Burr System	4.0 mm	290 mm	899703794	899753794
	4.0 mm	350 mm	899701794	899751794
Burr insert, (Single use, Sterile, pack of 5)	•	•	499751704	





Reprocessing Trays

	Dimensions	Item
Lumbar Spine instrument tray (shown above) for use with Vertebris 3.1 mm transforaminal set, vertebris 4.1 mm transforaminal set, and vertebris 4.1 mm interlaminar set	21.3" L x 10.4" W x 5.1" H	88090001
Rhizotomy instrument tray for use with short vertebris 3.1 mm set	22.8" L x 11.1" W x 2.6" H	88090.0007
Universal Tray, 2 tier with universal brackets for use with motorized components	22.8" L x 11.1" W x 5.3" H	8585.025



Cleaning Brushes

	Brush Diameter (mm)	Brush Length (mm)	Overall Length (mm)	Item
Cleaning brushes for instrument lumen, disposable, 10/pkg	11	100	600	40601
	5	75	600	40605
	3	50	400	406041
	1.8	55	600	406061
Utility brush for external surfaces, reusable				86.90

Recommended Endoscopic Spine Sets

Vertebris 3.1 mm—Transforaminal Spine Set (7 mm Cannula)

Spine endoscope, 3.1 mm working channel, 205 mm WL	89210.1253
Qui-connect adapter	8791.751
Sealing attachment (for 8791.751)	8792.451
Working sleeve, bevel tip, 165 mm WL	15208.257
Working sleeve, elevator tip, 165 mm WL	15208.258
Working sleeve, bevel tip, 185 mm WL	89220.1047
Working sleeve, long elevator tip, 185 mm WL	89220.1167
Positioning probe	8791.701
Dilator, for 7 mm working sleeve, 2-channel	8792.764
Mallet	8866.956
Fluid adapter	89220.1307
Extension sleeve	89220.1407
Extractor tool	89230.0000
Micro-rongeur, single action, 2.5 mm	8792.632
Micro-punch, 2.5 mm	8792.671
Grasping forceps, 3 mm	89230.1003
Micro-rongeur, single action, 3 mm	89240.1003
Micro-rongeur, double action, 3 mm	89240.1013
Micro-punch, 3 mm	89240.1023
Rongeur w/ 6 mm jaw, 5.2 mm	8791.601
Rongeur w/ 12 mm jaw, 5.2 mm	8791.691
Articulating rongeur, 5.2 mm	8792.623
Trephine, 5.3 mm	8792.504
Dissector, 2.5 mm	8792.591
Probe with flexible tip	89250.1925
Lumbar spine tray	88090001

Vertebris 4.1 mm—Transforaminal Spine Set (8 mm Cannula)

Spine endoscope, 4.1 mm working channel, 205 mm WL	89210.1254
Qui-connect adapter	8791.751
Sealing attachment (for 8791.751)	8792.451
Working sleeve, bevel tip, 165 mm WL	15208.262
Working sleeve, foraminoplasty, 165 mm WL	15208.266
Working sleeve, bevel tip, 185 mm WL	89220.1078
Working sleeve, long elevator tip, 185 mm WL	89220.1098
Positioning probe	8791.701
Dilator, for 8 mm working sleeve, 2-channel	89220.1508
Mallet	8866.956
Fluid adapter	89220.1308
Extension sleeve	89220.1408
Extractor tool	89230.0000
Grasping forceps, 3 mm	89230.1003
Micro-rongeur, single action, 3 mm	89240.1003
Micro-rongeur, double action, 3 mm	89240.1013
Micro-punch, 3 mm	89240.1023
Bone punch, 4 mm	89240.1904
Kerrison punch handle	880101234
Kerrison punch shaft, 360 mm WL, 40°	880101404
Kerrison punch shaft, 360 mm WL, 90°	880101904
Rongeur w/ 6 mm jaw, 5.2 mm	8791.601
Rongeur w/ 12 mm jaw, 5.2 mm	8791.691
Articulating rongeur, 5.2 mm	8792.623
Articulating rongeur, 4 mm	89240.1624
Dissector, 3 mm	89250.1003
Trephine, 5.3 mm	8792.504
Probe with flexible tip	89250.1925
Lumbar spine tray	88090001

YESS 2.7 mm Transforaminal Spine Set

(7 mm Cannula)

YESS 2.7 mm endoscope	8792.411
Qui-Connect adapter	8791.751
Sealing attachment (for 8791.751)	8792.451
Positioning probe	8791.701
Working sleeve, bevel tip, 165 mm	15208.257
Working sleeve, bevel tip, 185 mm	89220.1047
Working sleeve, lateral window, 165 mm	15208.255
Working sleeve, elevator tip, 165 mm	15208.258
Working sleeve, foraminoplasty, 165 mm	89220.1007
Dilator for 7 mm working sleeve	8792.764
Mallet	8866.956
Fluid adapter	89220.1307
Extension sleeve, 7 mm	89220.1407
Extractor tool	89230.0000
Dissector, 2.5 mm	8792.591
Trephine 5.3 mm	8792.504
Probe with flexible tip	89250.1925
Micro-rongeur, single action, 2.5 mm	8792.632
Micro-rongeur, double action, 2.5 mm	8792.636
Micro-punch, 2.5 mm	8792.671
Rongeur w/ 6 mm jaw, 5.2 mm	8791.691
Rongeur w/ 12 mm jaw, 5.2 mm	8791.601
Articulating grasping rongeur, 5.2 mm	8792.623
Articulating rongeur, 5.2 mm	89240.1052

Vertebris 4.1 mm—Interlaminar Spine Set

(8 mm Cannula)

Spine endoscope, 4.1 mm working channel, 165 mm WL	89210.3254
Qui-connect adapter	8791.751
Sealing attachment (for 8791.751)	8792.451
Endoscope adapter, variable length	892009000
Dilator, for 8 mm working sleeve, 2-channel	89220.1508
Working sleeve, beveled tip, 120 mm WL	89220.3008
Working sleeve attachment	89200.1008
Fluid adapter	89220.1308
Micro-rongeur, single action, 3 mm	89240.3003
Micro-rongeur, single action, 4 mm	89240.3004
Micro-punch, 2.5 mm	89240.2225
Micro-punch, curved, 2.5 mm	89240.1034
Tube shaft punch, 4 mm	89240.3904
Kerrison punch handle	880101234
Kerrison punch shaft, 4 mm, 40°	880103404
Kerrison punch shaft, 4 mm, 90°	880103904
Atraumatic dissector, 2.5 mm	8792.591
Atraumatic dissector, 4 mm	89250.1004
Probe with flexible tip	89250.6925
Lumbar spine tray	88090001

Short Vertebra 3.1 mm—Spine Set

(7 mm Cannula)

Spine endoscope, 3.1 mm working channel, 124 mm WL	89210.7253
Qui-connect adapter	8791.751
Sealing attachment (for 8791.751)	8792.451
Dilator, for 7 mm working sleeve, 2-channel	8792.764
Fluid adapter	89220.1307
Working sleeve, bevel tip, 110 mm WL	89220.7017
Working sleeve, bevel tip, 120 mm WL	89220.3007
Working sleeve, flat tip, 110 mm WL	88100.7017
Working sleeve, flat tip, 120 mm WL	88100.3007
Micro-rongeur, 3 mm	89240.3003
Reprocessing tray	88090.0007

680-10-02-0614 USA
United States Patents Numbers 5,241,972; 5,290,279; 5,472,426 and 5,472,426C1 issued to Dr. Alfred O. Bondi (Items 4792.802, 4792.803, 8791.601, 8791.691, 8792.221, 8792.411, 8792.503, 8792.504, 8792.632, 8792.636, 8792.671, 8792.764)