



ENDOSCOPIC SPINE SURGERY



Developed
and Made
in Germany

DIRECT from the manufacturer.

Endoscopic Spine Surgery

DOPPKON, THIS NAME STANDS FOR QUALITY, INNOVATION AND PARTNERSHIP – MADE IN GERMANY, OF COURSE.

Since its foundation by Mr Alexander Doppelstein in 2013, DOPPKON has specialised in the development and production of high-quality instruments for human medicine and has established itself as a strong partner in the development and advancement of surgical instruments with its innovative strength.

The range of services includes the development and design of products, prototype construction, as well as the project planning of complete systems and series production in various areas of medical technology.

Special attention is paid to delivering the highest possible quality – for the benefit of surgeons and their patients.

Through innovative products, a passionate and motivated team with a determination towards their social responsibilities, DOPPKON inspires its customers and partners globally securing the future of the company.



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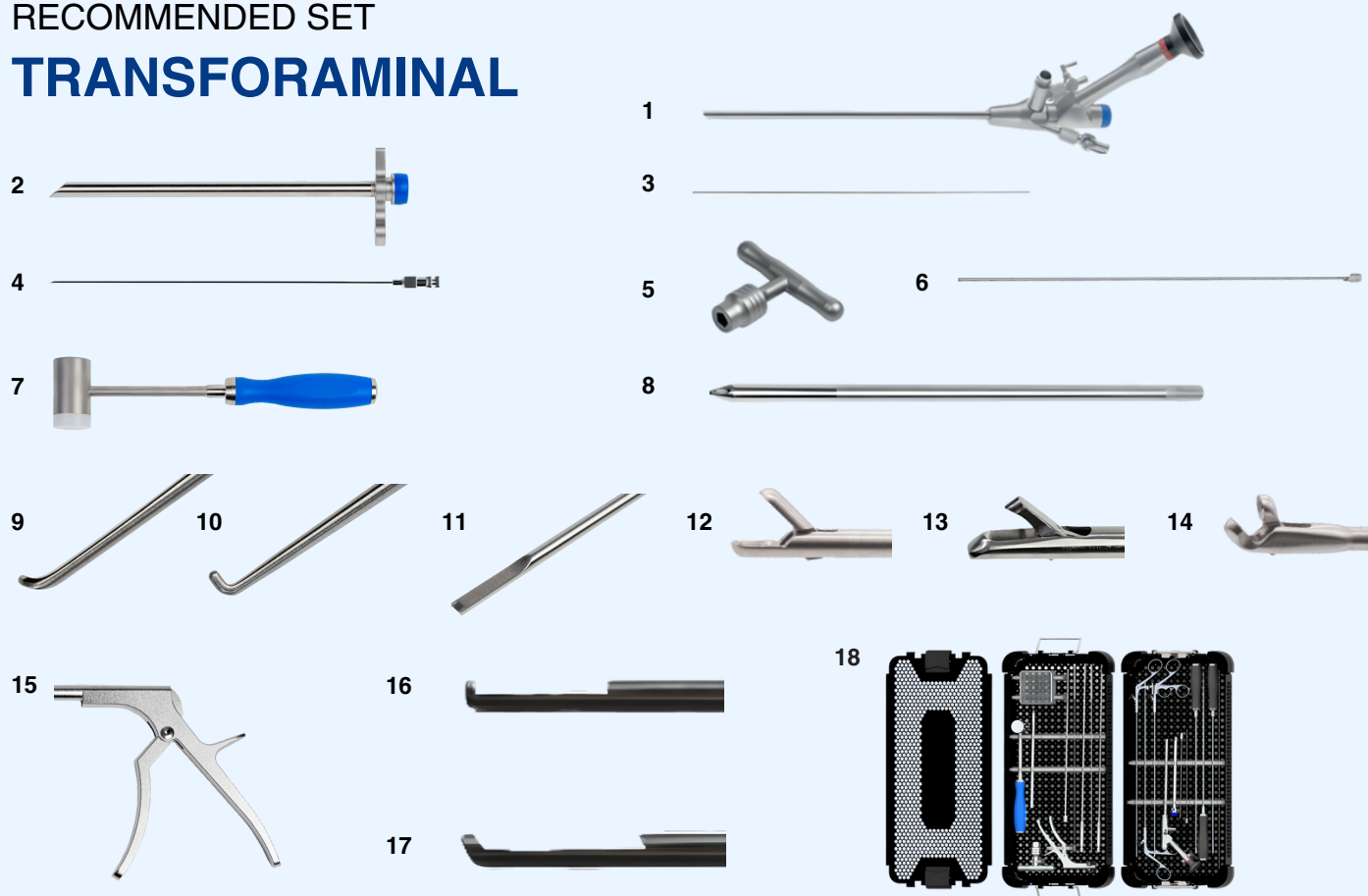


Endoscopic Spine Surgery

MONOPORTAL

RECOMMENDED SET

TRANSFORAMINAL



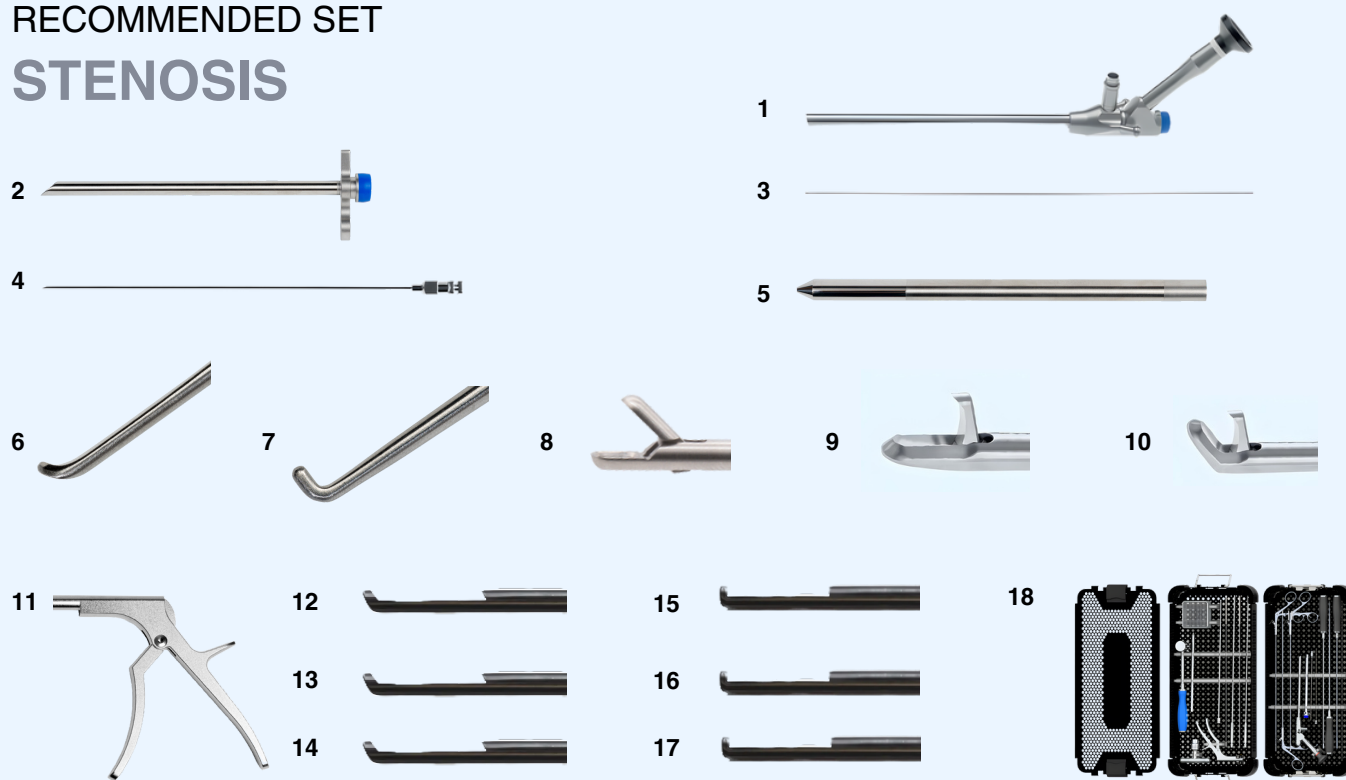
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3	A-100-574	Guide Wire Nitinol <i>D 0.8 mm, WL 450 mm</i>	13
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Endoscopic Spine Surgery

MONOPORTAL

RECOMMENDED SET

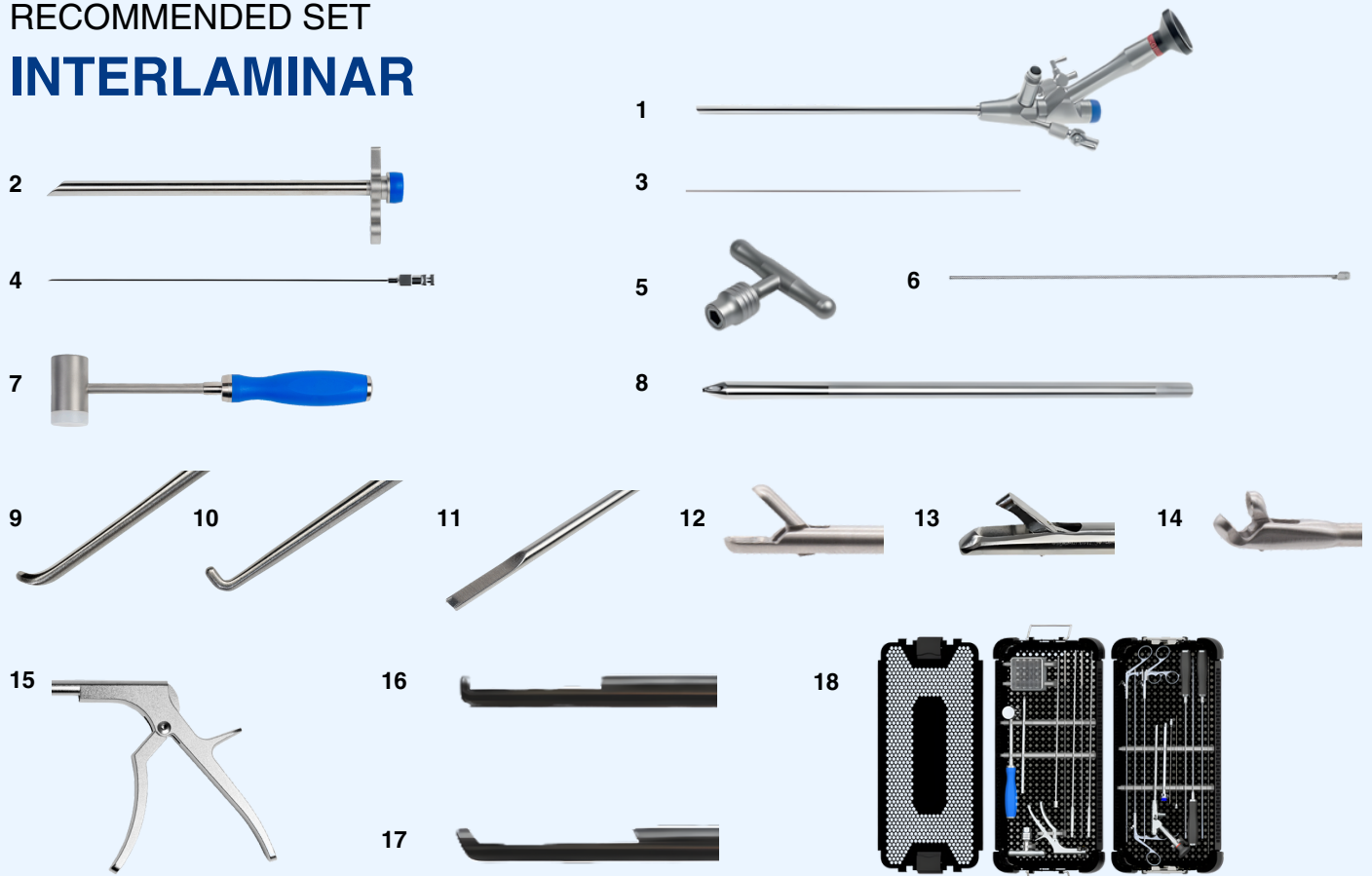
STENOSIS



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RECOMMENDED SET

INTERLAMINAR



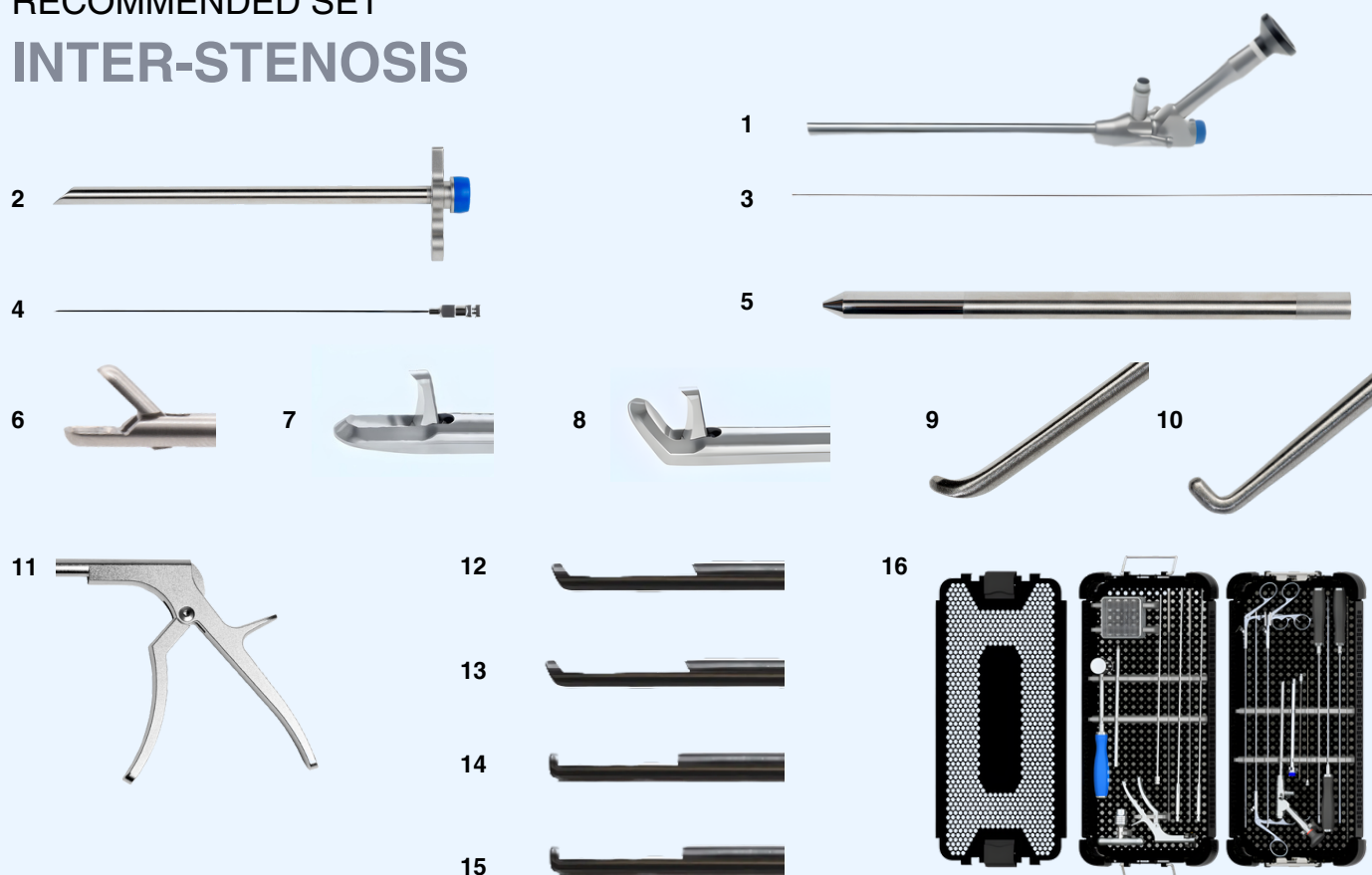
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1	A-100-609	Scope Interlaminar <i>D 7.0 mm, WL 130 mm, WC 4,3 mm, 30°</i>	10
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12	A-100-003	Cup Forceps Straight Jaw <i>D 2.5 mm, WL 260 mm</i>	22
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Endoscopic Spine Surgery

MONOPORTAL

RECOMMENDED SET

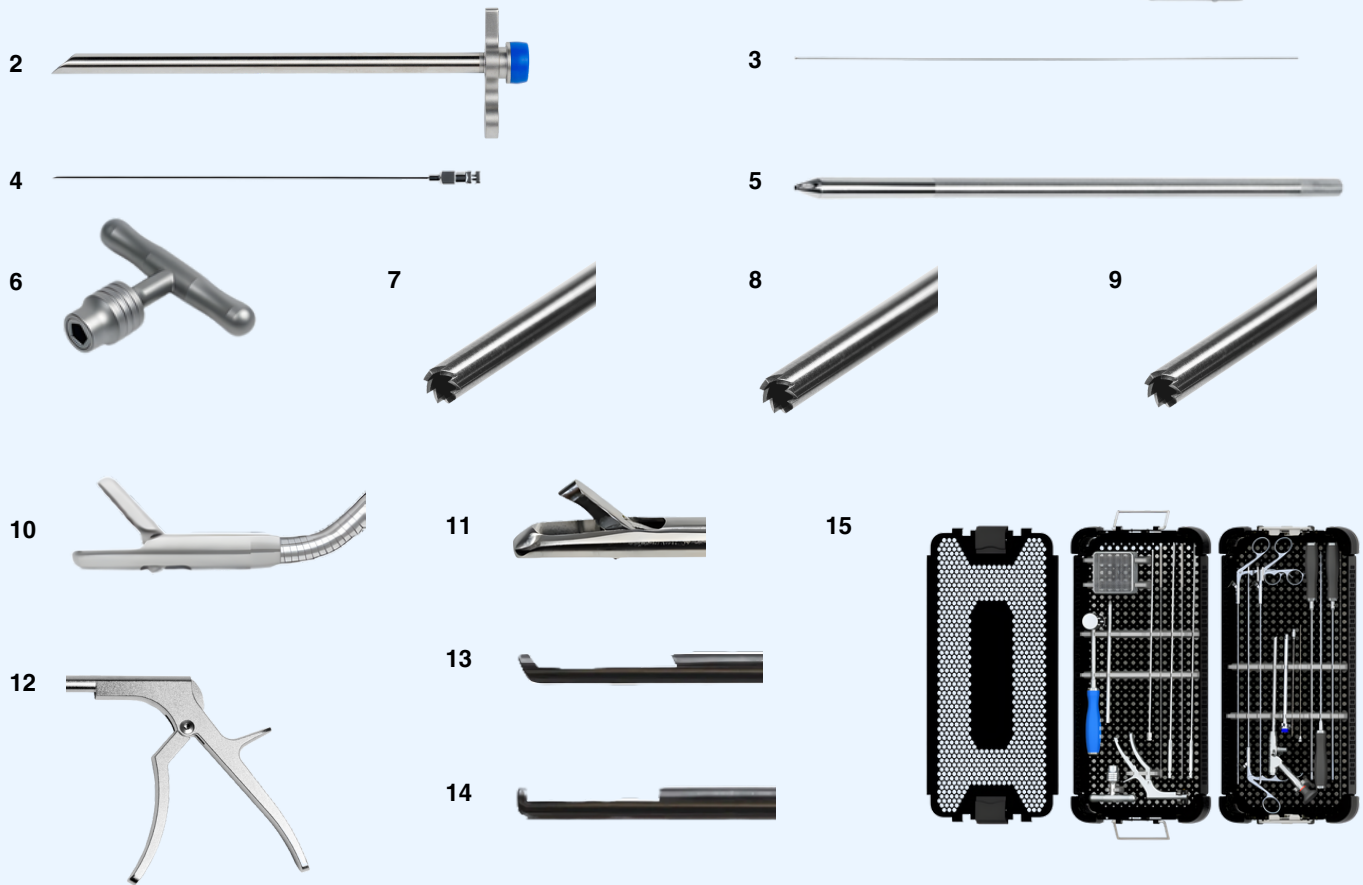
INTER-STENOSIS



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3	A-100-574	Guide Wire Nitinol D 0.8 mm, WL 450 mm	13
4	A-100-599	Spinal Needle with Obturator	12
5	A-001-490	Dilator Single Hole D 8.5 mm, WL 185 mm	12
6	A-100-003	Cup Forceps Straight Jaw D 3.5 mm, WL 260 mm	22
7	A-100-037	Duck Jaw Punch Straight D 3.5 mm, WL 260 mm	21
8	A-100-041	Scissors Punch Up Angled Jaw D 2.5 mm, WL 260 mm	24
9	A-100-652	Probe D 3.0 mm, WL 260 mm	17
10	A-100-653	Hook Probe D 3.0 mm, WL 260 mm	17
11	A-100-740	Endoscopic Kerrison Handle	25
12	A-100-133-B	Endoscopic Kerrison Punch, Ceramic Coated D 4.0 mm, 40°, WL 260 mm	26
13	A-100-138-B	Endoscopic Kerrison Punch, Ceramic Coated D 5.0 mm, 40°, WL 260 mm	26
14	A-100-137-B	Endoscopic Kerrison Punch, Ceramic Coated D 4.0 mm, 90°, WL 260 mm	27
15	A-100-131-B	Endoscopic Kerrison Punch, Ceramic Coated D 5.0 mm, 90°, WL 260 mm	27
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RECOMMENDED SET

CERVICAL



No.	Article No.	Article Description	Page
1	A-100-930	Scope Cervical <i>D 5.3 mm, WL 130 mm, WC 2.8 mm, 30°</i>	10
2	A-100-931	Working Tube Oblique Window <i>OD 6.5 mm, ID 5.5 mm, WL 130 mm</i>	11
3	A-100-574	Guide Wire Nitinol <i>D 0.8 mm, WL 450 mm</i>	13
4	A-100-599	Spinal Needle with Obturator	12
5	A-100-059	Dilator 2-Channels, <i>D 5.3 mm, WL 225 mm</i>	12
6	A-100-048	Trephine Handle	13
7	A-100-037	Trephine (Cervical) <i>ID 3.3 mm, OD 3.7 mm, WL 150 mm</i>	14
8	A-100-072	Trephine (Cervical) <i>ID 2.7 mm, OD 3.1 mm, WL 180 mm</i>	14
9	A-100-071	Trephine (Cervical) <i>ID 1.5 mm, OD 2.0 mm, WL 260 mm</i>	14
10	A-100-933	Cup Forceps Flex Tip Upward Jaw <i>D 2.5 mm, WL 260 mm</i>	23
11	A-100-040	Scissors Punch Straight Jaw <i>D 2.5 mm, WL 260 mm</i>	22
12	A-100-740	Endoscopic Kerrison Handle	25
13	A-100-614-B	Endoscopic Kerrison Punch, Ceramic Coated <i>D 2.5 mm, 40°, WL 260 mm</i>	26
14	A-100-616-B	Endoscopic Kerrison Punch, Ceramic Coated <i>D 2.5 mm, 90°, WL 260 mm</i>	27
15	A-100-922	Aluminium Tray for CERVICAL	28

SPINAL ENDOSCOPES

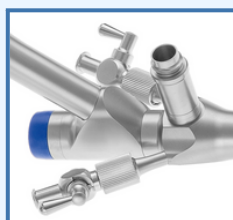
- Eyepiece for C-mount connection
- 3-step light post adapters to connect the most common light cables directly to the endoscope
- Sapphire glasses ensure highest stability against damages on the lens system
- Optimized glass fibres arrangements ensure an uniform image brightness of highest quality
- High definition pictures with increased detail-resolution through newest CAD-designed rod-lens systems
- Fully Autoclavable at 134°C and 2.3bar



	Working channel	Outer-Ø	Working length	Viewing angle	Recommended for
A-100-396	7.1 mm	10 mm	139 mm	15°	STENOSIS
A-100-780	5.7 mm	8.4 mm	125 mm	15°	INTER-STENOSIS
A-100-930	2.8 mm	5.3 mm	130 mm	30°	CERVICAL
A-100-608	3.75 mm	6.3 mm	130 mm	30°	INTERLAMINAR
A-100-609	4.3 mm	7.0 mm	130 mm	30°	INTERLAMINAR
A-100-610	3.75 mm	6.3 mm	181 mm	30°	TRANSFORAMINAL
A-100-611	4.3 mm	7.0 mm	181 mm	30°	TRANSFORAMINAL



Straight working channel



Two lateral suction-irrigation channels with detachable stopcock



Universal light guide connection

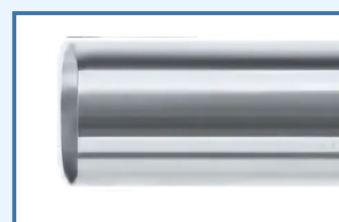


Optimized glass fibers arrangements

WORKING TUBES



STRAIGHT	Inner- Ø	Outer- Ø	Working length
A-100-932	5.5 mm	6.5 mm	130 mm
A-100-094	6.5 mm	7.5 mm	130 mm
A-100-095	7.2 mm	8.0 mm	130 mm
A-001-191	10.2 mm	11.2 mm	134 mm
A-100-092	6.5 mm	7.5 mm	178 mm
A-100-093	7.2 mm	8.0 mm	178 mm



OBLIQUE WINDOW	Inner- Ø	Outer- Ø	Working length
A-100-112	6.5 mm	7.5 mm	125 mm
A-100-113	7.2 mm	8.0 mm	125 mm
A-100-931	5.5 mm	6.5 mm	130 mm
A-100-110	6.5 mm	7.5 mm	130 mm
A-100-111	7.2 mm	8.0 mm	130 mm
A-001-144	10.2 mm	11.2 mm	134 mm
A-100-108	6.5 mm	7.5 mm	178 mm
A-100-109	7.2 mm	8.0 mm	178 mm



SPINAL NEEDLE

A-100-599
Spinal Needle with Obturator
OD 1.25 mm, ID 0.99 mm, WL 180 mm



DILATOR 2-CHANNEL	Ø	Working length
A-100-059	5.3 mm	225 mm
A-100-060	6.3 mm	225 mm
A-100-061	7.0 mm	225 mm



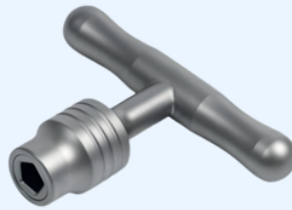
DILATOR SINGLE HOLE	Ø	Working length
A-001-490	8.5 mm	185 mm
A-001-190	10 mm	185 mm



TREPHINE HANDLE

A-100-048

Trephine Handle



A-001-364

Trephine Handle

Black overmoulded



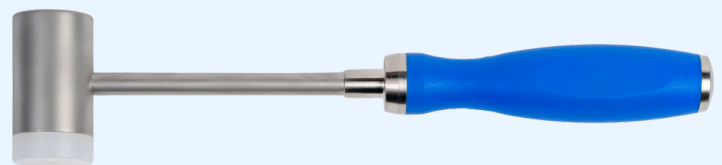
METAL HAMMER

A-100-057

Metal Hammer

blue silicon handle with plastic stopper (one-sided)

D 30 mm, WL 240 mm

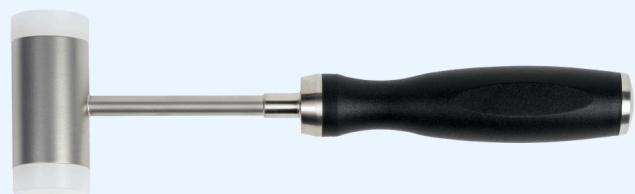


A-100-547

Metal Hammer

black silicon handle with plastic stopper (both-sided)

D 25 mm, WL 200 mm



GUIDE WIRE	Ø	Working length
A-100-574 (nitinol)	0.8 mm	450 mm
A-100-563 (titan)	0.8 mm	450 mm
A-100-062 (titan)	1.0 mm	450 mm

Endoscopic Spine Surgery

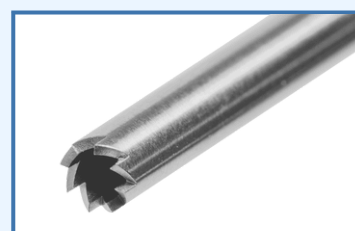
MONOPORTAL



TREPHINE	Inner-Ø	Outer-Ø	Working length
A-100-049	4.1 mm	5.1 mm	225 mm
A-100-050	5.6 mm	6.6 mm	225 mm
A-100-051	6.6 mm	7.6 mm	225 mm
A-100-052	2.55 mm	3.55 mm	350 mm
A-100-053	3.1 mm	4.1 mm	350 mm

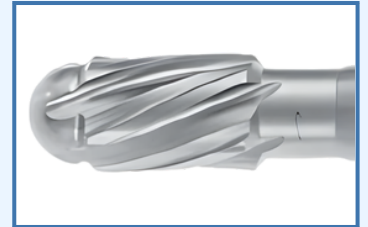


TREPHINE (CERVICAL)	Inner- Ø	Outer- Ø	Working length
A-100-073	3.3 mm	3.7 mm	150 mm
A-100-072	2.7 mm	3.1 mm	180 mm
A-100-071	1.5 mm	2.0 mm	260 mm





DRILL RETROGRADE	Ø	Working length
A-100-054	5.0 mm	260 mm
A-100-055	6.5 mm	260 mm
A-100-056	7.5 mm	260 mm
A-001-065	8.8 mm	260 mm



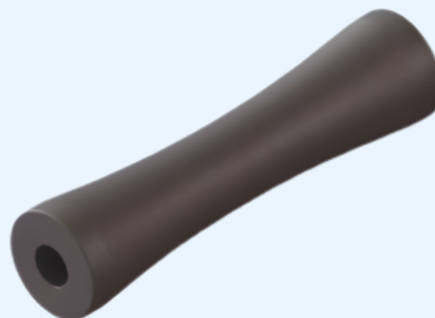
TREPHINE PROTECTION TUBE	Inner- Ø	Outer- Ø	Working length
A-100-083	5.2 mm	6.0 mm	160 mm
A-100-085	6.7 mm	7.5 mm	160 mm
A-100-087	7.7 mm	8.5 mm	160 mm



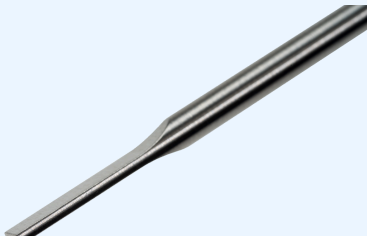
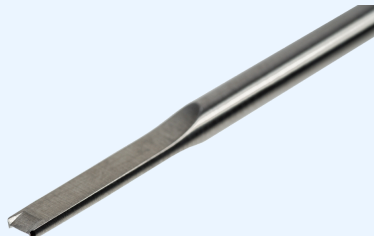
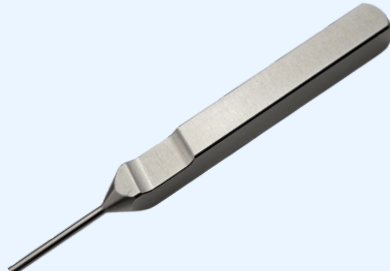
IMPACTOR

A-001-395

ID 7.5 mm, WL 80 mm



PROBES AND CHISELS

	Bone Chisel Blunt	Bone Chisel
		
Plastic Handle <i>Weight 86gr.</i> 	A-100-664 <i>D 3.0 mm, WL 260 mm</i>	A-100-665 <i>D 3.0 mm, WL 260 mm</i>
	A-100-659 <i>D 3.0 mm, WL 310 mm</i>	A-100-660 <i>D 3.0 mm, WL 310 mm</i>
Silicone Handle <i>Weight 45gr.</i> 	A-100-649 <i>D 3.0 mm, WL 260 mm</i>	A-100-650 <i>D 3.0 mm, WL 260 mm</i>
	A-100-642 <i>D 3.0 mm, WL 310 mm</i>	A-100-643 <i>D 3.0 mm, WL 310 mm</i>
Squared Handle Steel <i>Weight 100gr.</i> 	A-100-674 <i>D 3.0 mm, WL 260 mm</i>	A-100-675 <i>D 3.0 mm, WL 260 mm</i>
	A-100-669 <i>D 3.0 mm, WL 310 mm</i>	A-100-670 <i>D 3.0 mm, WL 310 mm</i>
	A-100-682 <i>D 2.5 mm, WL 260 mm</i>	A-100-683 <i>D 2.5 mm, WL 260 mm</i>
	A-100-679 <i>D 2.5 mm, WL 310 mm</i>	A-100-680 <i>D 2.5 mm, WL 310 mm</i>
Knurled Handle Steel <i>Weight 142 gr.</i> 	A-100-654 <i>D 3.0 mm, WL 260 mm</i>	A-100-655 <i>D 3.0 mm, WL 260 mm</i>
	A-100-066 <i>D 3.0 mm, WL 310 mm</i>	A-100-067 <i>D 3.0 mm, WL 310 mm</i>

PROBES AND CHISELS

Bone Chisel Awl	Probe	Hook Probe
		
A-100-666 <i>D 3.0 mm, WL 260 mm</i>	A-100-667 <i>D 3.0 mm, WL 260 mm</i>	A-100-668 <i>D 3.0 mm, WL 260 mm</i>
A-100-661 <i>D 3.0 mm, WL 310 mm</i>	A-100-662 <i>D 3.0 mm, WL 310 mm</i>	A-100-663 <i>D 3.0 mm, WL 310 mm</i>
A-100-651 <i>D 3.0 mm, WL 260 mm</i>	A-100-652 <i>D 3.0 mm, WL 260 mm</i>	A-100-653 <i>D 3.0 mm, WL 260 mm</i>
A-100-644 <i>D 3.0 mm, WL 310 mm</i>	A-100-645 <i>D 3.0 mm, WL 310 mm</i>	A-100-646 <i>D 3.0 mm, WL 310 mm</i>
A-100-676 <i>D 3.0 mm, WL 260 mm</i>	A-100-677 <i>D 3.0 mm, WL 260 mm</i>	A-100-678 <i>D 3.0 mm, WL 260 mm</i>
A-100-671 <i>D 3.0 mm, WL 310 mm</i>	A-100-672 <i>D 3.0 mm, WL 310 mm</i>	A-100-673 <i>D 3.0 mm, WL 310 mm</i>
A-100-684 <i>D 2.5 mm, WL 260 mm</i>	A-100-685 <i>D 2.5 mm, WL 260 mm</i>	A-100-686 <i>D 2.5 mm, WL 260 mm</i>
A-100-681 <i>D 2.5 mm, WL 310 mm</i>	A-100-647 <i>D 2.5 mm, WL 310 mm</i>	A-100-648 <i>D 2.5 mm, WL 310 mm</i>
A-100-656 <i>D 3.0 mm, WL 260 mm</i>	A-100-657 <i>D 3.0 mm, WL 260 mm</i>	A-100-658 <i>D 3.0 mm, WL 260 mm</i>
A-100-068 <i>D 3.0 mm, WL 310 mm</i>	A-100-069 <i>D 3.0 mm, WL 310 mm</i>	A-100-070 <i>D 3.0 mm, WL 310 mm</i>

ROD PUSHER



A-100-074

OD 2.5 mm, ID 1.0 mm, WL 230 mm

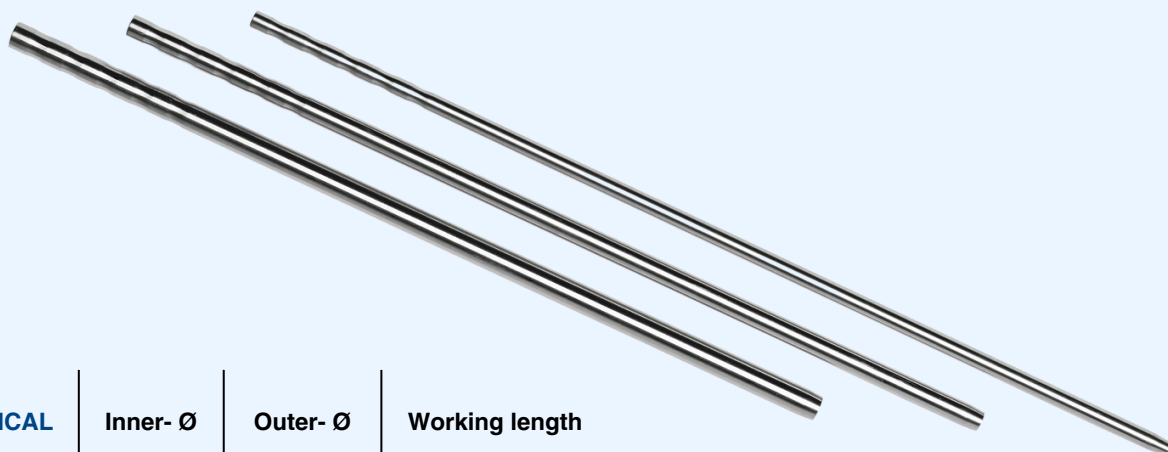


NERV ROOT PROTECTION STANDARD	Ø	Working length
A-100-878	5.6 x 0.3 mm	220 mm
A-100-875	3.7 x 0.2 mm	230 mm
A-100-876	4.2 x 0.2 mm	230 mm
A-100-879	7.0 x 0.25 mm	230 mm
A-100-877	4.2 x 0.2 mm	280 mm

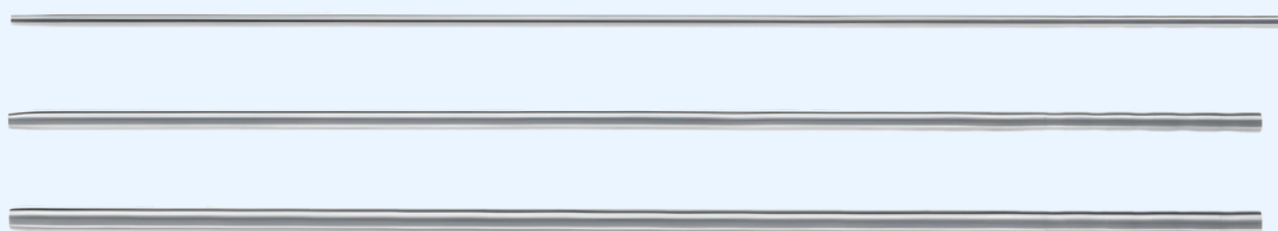


NERV ROOT PROTECTION CERAMIC COATED	Ø	Working length
A-100-878-B	5.6 x 0.3 mm	220 mm
A-100-875-B	3.7 x 0.2 mm	230 mm
A-100-876-B	4.2 x 0.2 mm	230 mm
A-100-879-B	7.0 x 0.25 mm	230 mm
A-100-877-B	4.2 x 0.2 mm	280 mm



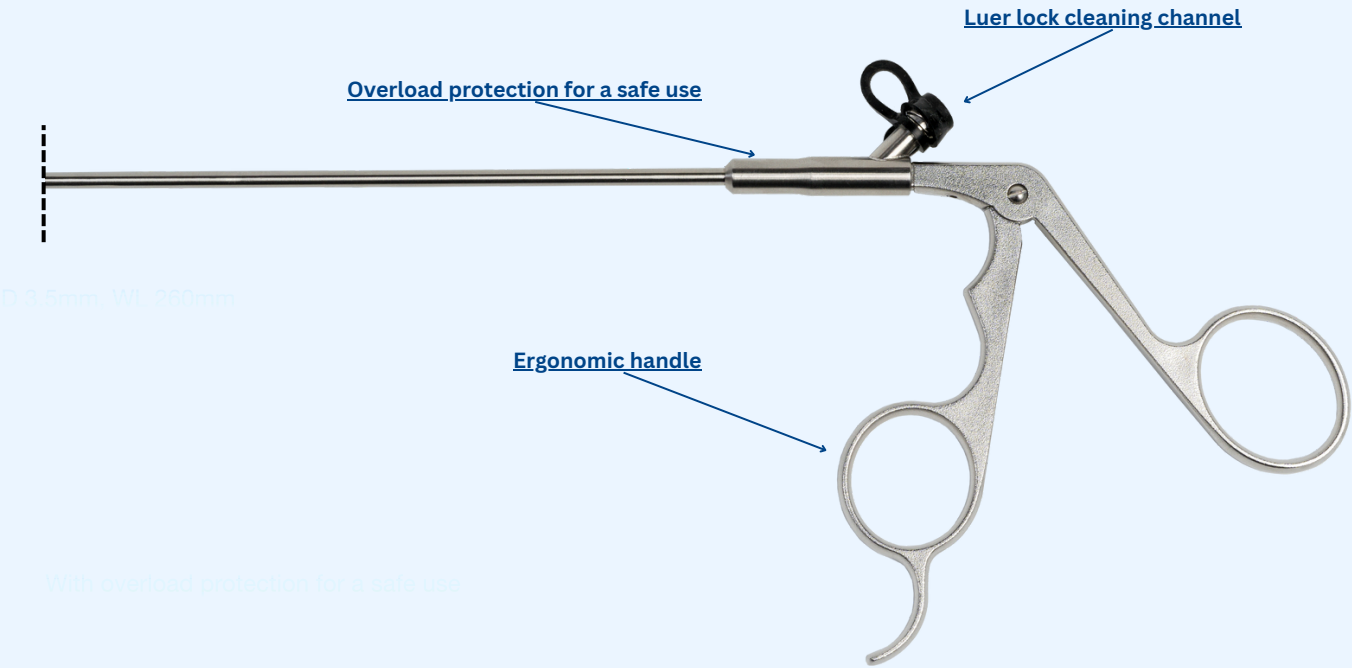


DILATOR CONICAL	Inner- Ø	Outer- Ø	Working length
A-100-077	1.0 mm	2.5 mm	230 mm
A-100-078	1.5 mm	4.0 mm	230 mm
A-100-079	2.0 mm	5.0 mm	230 mm



DILATOR CONICAL TUBES	Inner- Ø	Outer- Ø	Working length
A-100-082	2.8 mm	4.1 mm	185 mm
A-100-080	4.2 mm	5.1 mm	170 mm
A-100-081	5.2 mm	6.0 mm	160 mm

FORCEPS, PUNCHES, SCISSORS & SPOONS



GRASPING FORCEPS STRAIGHT	Ø	Working length
A-100-034	2.5 mm	260 mm
A-100-403	3.5 mm	260 mm
A-100-404	4.0 mm	260 mm
A-100-011	2.0 mm	330 mm
A-100-012	2.5 mm	330 mm
A-100-013	3.5 mm	330 mm
A-100-014	4.0 mm	330 mm



DUCK JAW PUNCH STRAIGHT

	Ø	Working length
A-100-639	2.5 mm	260 mm
A-100-037	3.5 mm	260 mm
A-100-638	2.5 mm	330 mm
A-100-038	3.5 mm	330 mm



BLAKESLEY BIOPSY GRASPING FORCEPS

	Ø	Working length
A-100-407	2.5 mm	260 mm
A-100-408	3.5 mm	260 mm
A-100-405	2.5 mm	330 mm
A-100-406	3.5 mm	330 mm



HOOK SCISSORS STRAIGHT JAW

	Ø	Working length
A-100-411	2.5 mm	260 mm
A-100-046	3.5 mm	260 mm
A-100-414	2.5 mm	330 mm
A-100-047	3.5 mm	330 mm



Endoscopic Spine Surgery

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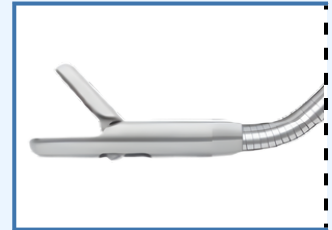
CUP FORCEPS STRAIGHT JAW	Ø	Working length
A-100-001	2.0 mm	260 mm
A-100-002	2.5 mm	260 mm
A-100-694	3.0 mm	260 mm
A-100-003	3.5 mm	260 mm
A-100-004	4.0 mm	260 mm
A-100-033	5.0 mm	260 mm
A-100-005	2.0 mm	330 mm
A-100-006	2.5 mm	330 mm
A-100-031 (hookles handle)	2.5 mm	330 mm
A-100-008	3.0 mm	330 mm
A-100-009	3.5 mm	330 mm
A-100-010	4.0 mm	330 mm



HOOK SCISSORS PUNCH STRAIGHT JAW	Ø	Working length
A-100-040	2.5 mm	260 mm
A-100-042	3.0 mm	260 mm
A-100-412	3.5 mm	260 mm
A-100-043	2.5 mm	330 mm
A-100-419	3.0 mm	330 mm
A-100-045	3.5 mm	330 mm



FLEX TIP UPWARD JAW	JAW	Ø	Working length
A-100-933	CUP FORCEPS	<i>2.5 mm</i>	<i>260 mm</i>
A-100-592	CUP FORCEPS	<i>3.0 mm</i>	<i>260 mm</i>
A-100-591	CUP FORCEPS	<i>2.5 mm</i>	<i>330 mm</i>
A-100-593	CUP FORCEPS	<i>3.0 mm</i>	<i>330 mm</i>
A-100-960	BLAKESLEY	<i>2.0 mm</i>	<i>260 mm</i>
A-100-962	BLAKESLEY	<i>2.5 mm</i>	<i>260 mm</i>
A-100-961	BLAKESLEY	<i>2.0 mm</i>	<i>330 mm</i>
A-100-963	BLAKESLEY	<i>2.5 mm</i>	<i>330 mm</i>
A-100-964	MICRO SPOON	<i>2.0 mm</i>	<i>260 mm</i>
A-100-965	MICRO SPOON	<i>2.5 mm</i>	<i>260 mm</i>
A-100-966	MICRO SPOON	<i>2.0 mm</i>	<i>330 mm</i>
A-100-967	MICRO SPOON	<i>2.5 mm</i>	<i>330 mm</i>
A-100-968	GRASPING FORCEPS	<i>2.0 mm</i>	<i>260 mm</i>
A-100-970	GRASPING FORCEPS	<i>2.5 mm</i>	<i>260 mm</i>
A-100-969	GRASPING FORCEPS	<i>2.0 mm</i>	<i>330 mm</i>
A-100-971	GRASPING FORCEPS	<i>2.5 mm</i>	<i>330 mm</i>



Endoscopic Spine Surgery

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MICRO SPOON STRAIGHT JAW	Ø	Working length
A-100-015	2.5 mm	260 mm
A-100-016	3.5 mm	260 mm
A-100-017	4.0 mm	260 mm
A-100-018	2.0 mm	330 mm
A-100-019	2.5 mm	330 mm
A-100-020	3.5 mm	330 mm
A-100-021	4.0 mm	330 mm



MICRO SPOON UP ANGLED JAW	Ø	Working length
A-100-640	2.0 mm	260 mm
A-100-022	2.5 mm	260 mm
A-100-023	2.0 mm	330 mm
A-100-024	2.5 mm	330 mm



SCISSORS PUNCH UP ANGLED JAW	Ø	Working length
A-100-041	2.5 mm	260 mm
A-100-582	3.5 mm	260 mm
A-100-044	2.5 mm	330 mm
A-100-415	3.5 mm	330 mm



NITINOL PROBE

A-001-340

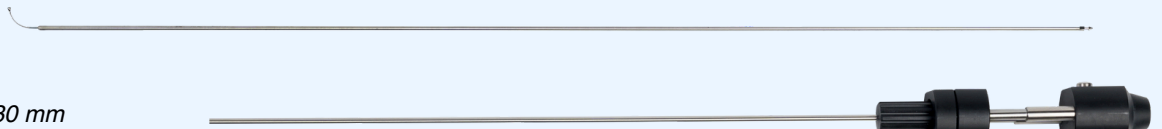
OD 3.5 mm, WL 300 mm



FLEXIBLE PROBE

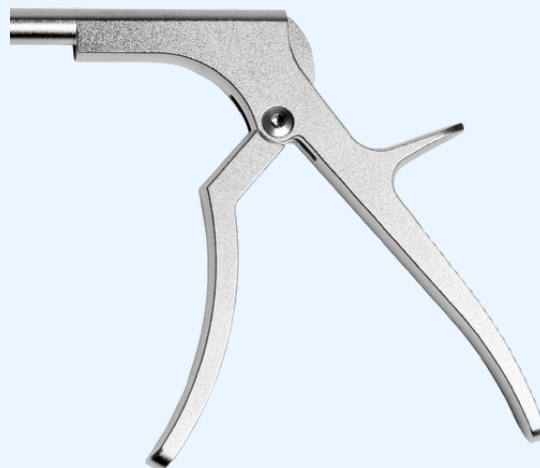
A-001-131

D 1.8 mm, WL 330 mm

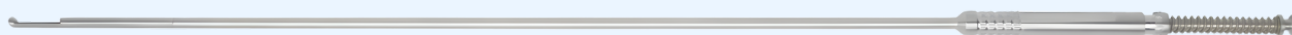


ENDOSCOPIC KERRISON HANDLE

A-100-740



ENDOSCOPIC KERRISON PUNCHES



STANDARD	CERAMIC COATED	Ø	Degree	Working length
A-100-622	A-100-622-B	3.0 mm	40°	260 mm
A-100-130	A-100-130-B	3.5 mm	40°	260 mm
A-100-133	A-100-133-B	4.0 mm	40°	260 mm
A-100-636 (bent upwards)	A-100-636-B (bent upwards)	4.0 mm	40°	260 mm
A-100-138	A-100-138-B	5.0 mm	40°	260 mm
A-100-139	A-100-139-B	6.0 mm	40°	260 mm
A-100-621	A-100-621-B	3.0 mm	40°	300 mm
A-100-128	A-100-128-B	3.5 mm	40°	300 mm
A-100-142	A-100-142-B	4.0 mm	40°	300 mm
A-100-620	A-100-620-B	3.0 mm	40°	360 mm
A-100-127	A-100-127-B	3.5 mm	40°	360 mm
A-100-129	A-100-129-B	4.0 mm	40°	360 mm



ENDOSCOPIC KERRISON PUNCHES



STANDARD	CERAMIC COATED	Ø	Degree	Working length
A-100-624	A-100-624-B	3.0 mm	90°	260 mm
A-100-135	A-100-135-B	3.5 mm	90°	260 mm
A-100-137	A-100-137-B	4.0 mm	90°	260 mm
A-100-131	A-100-131-B	5.0 mm	90°	260 mm
A-100-132	A-100-132-B	6.0 mm	90°	260 mm
A-100-625	A-100-625-B	3.0 mm	90°	300 mm
A-100-140	A-100-140-B	3.5 mm	90°	300 mm
A-100-145	A-100-145-B	4.0 mm	90°	300 mm
A-100-623	A-100-623-B	3.0 mm	90°	360 mm
A-100-134	A-100-134-B	3.5 mm	90°	360 mm
A-100-136	A-100-136-B	4.0 mm	90°	360 mm



Endoscopic Spine Surgery

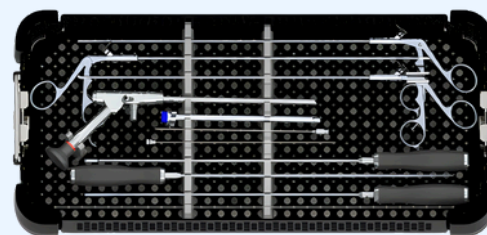
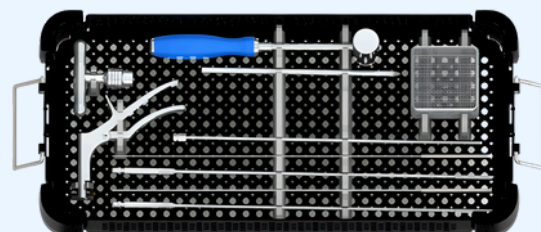
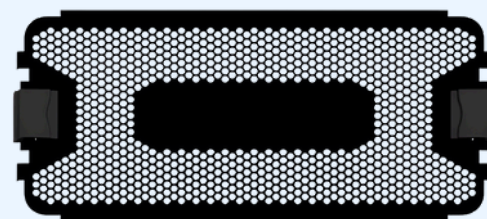
MONOPORTAL

TRAY

Available for all sets recommended by us OR customised to your personal requirements.

The trays are available in stackable or non-stackable versions and optionally in aluminium or stainless steel.

A-100-913	Aluminium Tray for TRANSFORAMINAL / INTERLAMINAR
A-100-915	Aluminium Tray for STENOSIS
A-100-921	Aluminium Tray for INTER-STENOSIS
A-100-922	Aluminium Tray for CERVICAL
A-100-870	Modular Tray stackable, Aluminium
A-100-871	Modular Tray non-stackable, Aluminium
A-100-882	Modular Tray stackable, Stainless steel
A-100-883	Modular Tray non-stackable, Stainless steel





Endoscopic Spine Surgery

BIPORTAL

RECOMMENDED SET

FUSION

Article No.	Article Description	Page
A-100-824	Discoscope D 4.0 mm, WL 175 mm, 0°	35
A-100-934	Sheath System D 5.5 mm, Operating sheath with 1 stopcock	35
A-100-934	Obturator for Discoscope D 5.5 mm, blunt, bayonet lock	35
A-100-801	Lockable Protector Sheath OD 8.0 mm, ID 6.5 mm, WL 95 mm	35
A-100-741	Dilator UBE Size 1 , OD 4.8 mm, WL 195 mm	36
A-100-742	Dilator UBE Size 2 , ID 5.0 mm, OD 7.0 mm, WL 180 mm	36
A-100-743	Dilator UBE Size 3 , ID 7.0 mm, OD 9.0 mm, WL 165 mm	36
A-100-744	Dilator UBE Size 4 , ID 9.0mm, OD 11 mm, WL 150 mm	36
A-100-745	Dilator UBE Size 5 , ID 11 mm, OD 13 mm, WL 135 mm	36
A-100-746	Dilator UBE Size 6 , ID 13 mm, OD 15 mm, WL 120 mm	36
A-100-797	Working Skid LS , 15 mm, ID 12 mm, length 50 mm	36
A-100-798	Working Skid LM , 15 mm, ID 12 mm, length 70 mm	36
A-100-799	Working Skid LL , 15 mm, ID 12 mm, length 90 mm	36
A-100-747	Nerv Root Retractor Edgefold , working length 115 mm, width 4.0 mm	37
A-100-748	Nerv Root Retractor Edgefold , working length 115 mm, width 8.0 mm	37
A-100-749	Nerv Root Retractor Edgefold left , working length 115 mm, width 8.0 mm	37
A-100-750	Nerv Root Retractor Edgefold right , working length 115 mm, width 8.0 mm	37
A-100-767	Kerrison Foramenotomy Punch Upcurved shaft, upwards cutting, length 200 mm, width 2.0 mm	38
A-100-768	Kerrison Punch Upwards Cutting Length 200 mm, width 3.0 mm	39
A-100-769	Kerrison Punch Upwards Cutting Length 200 mm, width 4.0 mm	39
A-100-770	Rongeur Straight , 3x10 mm bite, WL 180 mm	40
A-100-793	Rongeur Straight , 1.5x10 mm bite, WL 180 mm	40
A-100-771	Rongeur Upwards curved , 1.5x10 mm bite, WL 180 mm	40
A-100-740	Endoscopic Kerrison Handle for rotatable Kerrisons	40
A-100-772-B	Endoscopic Kerrison Punch, Ceramic Coated D 5.0 mm, 40°, WL 150 mm	41
A-100-773-B	Endoscopic Kerrison Punch, Ceramic Coated D 5.0 mm, 90°, WL 150 mm	41
A-100-764	Hook Scissors Punch Straight Jaw D 4.0 mm, WL 150 mm	43
A-100-763	Blakesley Biopsy Grasping Forceps D 4.0 mm, WL 150 mm	42
A-100-802	Cup Forceps Straight Jaw D 4.0 mm, WL 150 mm	42
A-100-776	Bone Chisel Blunt D 4.0 mm, WL 120 mm	44
A-100-777	Bone Chisel D 4.0 mm, WL 120 mm	44
A-100-778	Hook Probe D 3.0 mm, WL 150 mm	45

Article No.	Article Description	Page
A-100-779	Probe <i>D 3.0 mm, WL 150 mm</i>	45
A-100-782	Arrowhead Knife <i>Silicone Handle, WL 120 mm</i>	45
A-100-057	Hammer <i>D 30 mm, WL 240 mm, with plastic stoppe (one-sided)</i>	46
A-100-751	Mighty Chisel <i>Straight, D 5.0 mm, length 120 mm</i>	44
A-100-752	Mighty Chisel <i>Left-bended, D 5.0 mm, length 120 mm</i>	44
A-100-753	Mighty Chisel <i>Right-bended, D 5.0 mm, length 120 mm</i>	44
A-100-754	Mighty Chisel <i>Up-bended, D 5.0 mm, length 120 mm</i>	44
A-100-781	Curette <i>Forward angled, oval spoon, 4.5x7 mm, WL 120 mm</i>	46
A-100-755-B	Double Ended Retractor, Ceramic Coated <i>5° and 15°</i>	47
A-100-756-B	Double Ended Retractor, Ceramic Coated <i>25° and 35°</i>	47
A-100-782	Muscle Detacher <i>T-Shape</i>	47

RECOMMENDED SET

DISC HERNIATION

Article No.	Article Description	Page
A-100-824	Discoscope D 4.0 mm, WL 175 mm, 0°	35
A-100-934	Sheath System D 5.5 mm, Operating sheath with 1 stopcock	35
A-100-934	Obturator for Discoscope D 5.5 mm, blunt, bayonet lock	35
A-100-801	Lockable Protector Sheath OD 8.0 mm, ID 6.5 mm, WL 95 mm	35
A-100-742	Dilator UBE Size 2, ID 5.0 mm, OD 7.0 mm, WL 180 mm	36
A-100-743	Dilator UBE Size 3, ID 7.0 mm, OD 9.0 mm, WL 165 mm	36
A-100-744	Dilator UBE Size 4, ID 9.0mm, OD 11 mm, WL 150 mm	36
A-100-797	Working Skid LS, 15 mm, ID 12 mm, length 50 mm	36
A-100-798	Working Skid LM, 15 mm, ID 12 mm, length 70 mm	36
A-100-747	Nerv Root Retractor Edgefold, working length 115 mm, width 4.0 mm	37
A-100-748	Nerv Root Retractor Edgefold, working length 115 mm, width 8.0 mm	37
A-100-749	Nerv Root Retractor Edgefold left, working length 115 mm, width 8.0 mm	37
A-100-750	Nerv Root Retractor Edgefold right, working length 115 mm, width 8.0 mm	37
A-100-767	Kerrison Foramenotomy Punch Upcurved shaft, upwards cutting, length 200 mm, width 2.0 mm	38
A-100-768	Kerrison Punch Upwards Cutting Length 200 mm, width 3.0 mm	39
A-100-769	Kerrison Punch Upwards Cutting Length 200 mm, width 4.0 mm	39
A-100-793	Rongeur Straight, 1.5x10 mm bite, WL 180 mm	40
A-100-740	Endoscopic Kerrison Handle for rotatable Kerrisons	40
A-100-772-B	Endoscopic Kerrison Punch, Ceramic Coated D 5.0 mm, 40°, WL 150 mm	41
A-100-773-B	Endoscopic Kerrison Punch, Ceramic Coated D 5.0 mm, 90°, WL 150 mm	41
A-100-763	Blakesley Biopsy Grasping Forceps D 4.0 mm, WL 150 mm	42
A-100-057	Hammer D 30 mm, WL 240 mm, with plastic stopper(one-sided)	46
A-100-751	Mighty Chisel Straight, D 5.0 mm, length 120 mm	44
A-100-752	Mighty Chisel Left-bended, D 5.0 mm, length 120 mm	44
A-100-753	Mighty Chisel Right-bended, D 5.0 mm, length 120 mm	44
A-100-754	Mighty Chisel Up-bended, D 5.0 mm, length 120 mm	44
A-100-784	Curette Forward angled, oval spoon, 4.5x7 mm, WL 120 mm	46
A-100-755	Double Ended Retractor, Ceramic Coated 5° and 15°	47
A-100-756	Double Ended Retractor, Ceramic Coated 25° and 35°	47
A-100-782	Muscle Detacher T-Shape	47
A-100-911	Aluminium Tray for UBE Disc Herniation	47

RECOMMENDED SET

STENOSIS

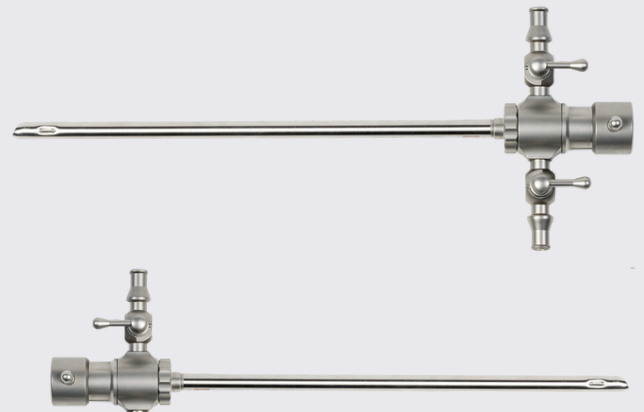
Article No.	Article Description	Page
A-100-824	Discoscope <i>D 4.0 mm, WL 175 mm, 0°</i>	35
A-100-934	Sheath System <i>D 5.5 mm, Operating sheath with 1 stopcock</i>	35
A-100-934	Obturator for Discoscope <i>D 5.5 mm, blunt, bayonet lock</i>	35
A-100-801	Lockable Protector Sheath <i>OD 8.0 mm, ID 6.5 mm, WL 95 mm</i>	35
A-100-741	Dilator UBE Size 1 , <i>OD 4.8 mm, WL 195 mm</i>	36
A-100-742	Dilator UBE Size 2 , <i>ID 5.0 mm, OD 7.0 mm, WL 180 mm</i>	36
A-100-743	Dilator UBE Size 3 , <i>ID 7.0 mm, OD 9.0 mm, WL 165 mm</i>	36
A-100-744	Dilator UBE Size 4 , <i>ID 9.0mm, OD 11 mm, WL 150 mm</i>	36
A-100-797	Working Skid LS , <i>15 mm, ID 12 mm, length 50 mm</i>	36
A-100-798	Working Skid LM , <i>15 mm, ID 12 mm, length 70 mm</i>	36
A-100-799	Working Skid LL , <i>15 mm, ID 12 mm, length 90 mm</i>	36
A-100-747	Nerv Root Retractor Edgefold , <i>working length 115 mm, width 4.0 mm</i>	37
A-100-748	Nerv Root Retractor Edgefold , <i>working length 115 mm, width 8.0 mm</i>	37
A-100-749	Nerv Root Retractor Edgefold left , <i>working length 115 mm, width 8.0 mm</i>	37
A-100-750	Nerv Root Retractor Edgefold right , <i>working length 115 mm, width 8.0 mm</i>	37
A-100-767	Kerrison Foramenotomy Punch <i>Upcurved shaft, upwards cutting, length 200 mm, width 2.0 mm</i>	38
A-100-768	Kerrison Punch Upwards Cutting <i>Length 200 mm, width 3.0 mm</i>	39
A-100-769	Kerrison Punch Upwards Cutting <i>Length 200 mm, width 4.0 mm</i>	39
A-100-770	Rongeur Straight , <i>3x10 mm bite, WL 180 mm</i>	40
A-100-793	Rongeur Straight , <i>1.5x10 mm bite, WL 180 mm</i>	40
A-100-771	Rongeur Upwards curved , <i>1.5x10 mm bite, WL 180 mm</i>	40
A-100-740	Endoscopic Kerrison Handle <i>for rotatable Kerrisons</i>	40
A-100-772-B	Endoscopic Kerrison Punch, Ceramic Coated <i>D 5.0 mm, 40°, WL 150 mm</i>	41
A-100-773-B	Endoscopic Kerrison Punch, Ceramic Coated <i>D 5.0 mm, 90°, WL 150 mm</i>	41
A-100-764	Hook Scissors Punch Straight Jaw <i>D 4.0 mm, WL 150 mm</i>	43
A-100-763	Blakesley Biopsy Grasping Forceps <i>D 4.0 mm, WL 150 mm</i>	42
A-100-761	Cup Forceps Straight Jaw <i>D 4.0 mm, WL 150 mm</i>	42
A-100-776	Bone Chisel Blunt <i>D 4.0 mm, WL 120 mm</i>	44
A-100-777	Bone Chisel <i>D 4.0 mm, WL 120 mm</i>	44
A-100-778	Hook Probe <i>D 3.0 mm, WL 150 mm</i>	45
A-100-779	Probe <i>D 3.0 mm, WL 150 mm</i>	45
A-100-784	Arrowhead Knife <i>Silicone Handle, WL 120 mm</i>	45
A-100-057	Hammer <i>D 30 mm, WL 240 mm, with plastic stopper (one-sided)</i>	46

Article No.	Article Description	Page
A-100-751	Mighty Chisel <i>Straight, D 5.0 mm, length 120 mm</i>	44
A-100-752	Mighty Chisel <i>Left-bended, D 5.0 mm, length 120 mm</i>	44
A-100-753	Mighty Chisel <i>Right-bended, D 5.0 mm, length 120 mm</i>	44
A-100-754	Mighty Chisel <i>Up-bended, D 5.0 mm, length 120 mm</i>	44
A-100-781	Curette <i>Forward angled, oval spoon, 4.5x7 mm, WL 120 mm</i>	46
A-100-755	Double Ended Retractor, Ceramic Coated <i>5° and 15°</i>	47
A-100-756	Double Ended Retractor, Ceramic Coated <i>25° and 35°</i>	47
A-100-782	Muscle Detacher <i>T-Shape</i>	47
A-100-914	Aluminium Tray for UBE Stenosis	47



DISCSCOPE	Ø	Working length	Viewing angle
A-100-824	4.0 mm	175 mm	0°
A-100-825	4.0 mm	175 mm	30°

SHEATH SYSTEM	Ø	Stopcock
A-100-826	5.5 mm	2
A-100-934	5.5 mm	1



OBTURATOR FOR DISCSCOPE

A-100-827

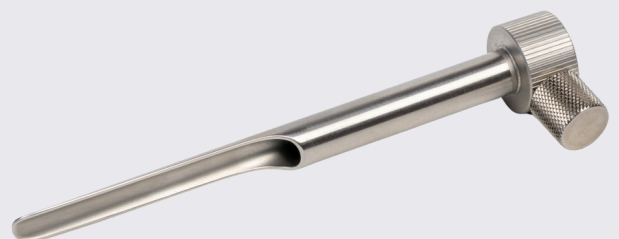
D 5.5 mm, blunt, bayonet lock



LOCKABLE PROTECTOR SHEATH

A-100-801

Sheath OD 8.0 mm, ID 6.5 mm, WL 95 mm



Endoscopic Spine Surgery

BIPORTAL

Dilator	Inner-Ø	Outer-Ø	Working length
A-100-741	-	4.8 mm	195 mm
A-100-742	5.0 mm	7.0 mm	180 mm
A-100-743	7.0 mm	9.0 mm	165 mm
A-100-744	9.0 mm	11 mm	150 mm
A-100-745	11 mm	13 mm	135 mm
A-100-746	13 mm	15 mm	120 mm



Working Skid	Inner-Ø	Outer-Ø	Working length
A-100-794	9.0 mm	12 mm	50 mm
A-100-795	9.0 mm	12 mm	70 mm
A-100-796	9.0 mm	12 mm	90 mm
A-100-797	12 mm	15 mm	50 mm
A-100-798	12 mm	15 mm	70 mm
A-100-799	12 mm	15 mm	90 mm





NERV ROOT RETRACTOR	Tip	Width	Working length
A-100-747	Edgefold narrow	4.0 mm	115 mm
A-100-748	Edgefold	8.0 mm	115 mm
A-100-749	Edgefold left	8.0 mm	115 mm
A-100-750	Edgefold right	8.0 mm	115 mm



KERRISON PUNCH UPCURVED

A-100-767

*Upcurved shaft, upwards cutting,
length 200 mm, width 2 mm*



KERRISON PUNCH DOWNWARDS CUTTING	Width	Degree	Length
A-100-836	1.0 mm	40°	200 mm
A-100-837	2.0 mm	40°	200 mm
A-100-812	3.0 mm	40°	200 mm
A-100-815	4.0 mm	40°	200 mm
A-100-838	5.0 mm	40°	200 mm
A-100-839	6.0 mm	40°	200 mm
A-100-840	1.0 mm	90°	200 mm
A-100-841	2.0 mm	90°	200 mm
A-100-813	3.0 mm	90°	200 mm
A-100-816	4.0 mm	90°	200 mm
A-100-842	5.0 mm	90°	200 mm
A-100-843	6.0 mm	90°	200 mm





KERRISON PUNCH UPWARDS CUTTING	Width	Degree	Length
A-100-828	1.0 mm	40°	200 mm
A-100-829	2.0 mm	40°	200 mm
A-100-768	3.0 mm	40°	200 mm
A-100-769	4.0 mm	40°	200 mm
A-100-830	5.0 mm	40°	200 mm
A-100-831	6.0 mm	40°	200 mm
A-100-832	1.0 mm	90°	200 mm
A-100-833	2.0 mm	90°	200 mm
A-100-811	3.0 mm	90°	200 mm
A-100-814	4.0 mm	90°	200 mm
A-100-834	5.0 mm	90°	200 mm
A-100-835	6.0 mm	90°	200 mm





RONGEURE	Alignment	Bide width	Length
A-100-770	Straight	<i>3 x 10 mm</i>	<i>180 mm</i>
A-100-793	Straight	<i>1.5 x 10 mm</i>	<i>180 mm</i>
A-100-771	Upwards Curved	<i>1.5 x 10 mm</i>	<i>180 mm</i>



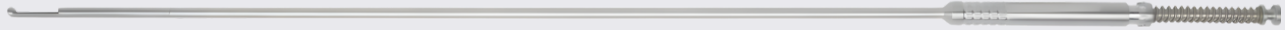
ENDOSCOPIC KERRISON HANDLE

A-100-740

Endoscopic Kerrison Handle for *rotatable Kerrisons*



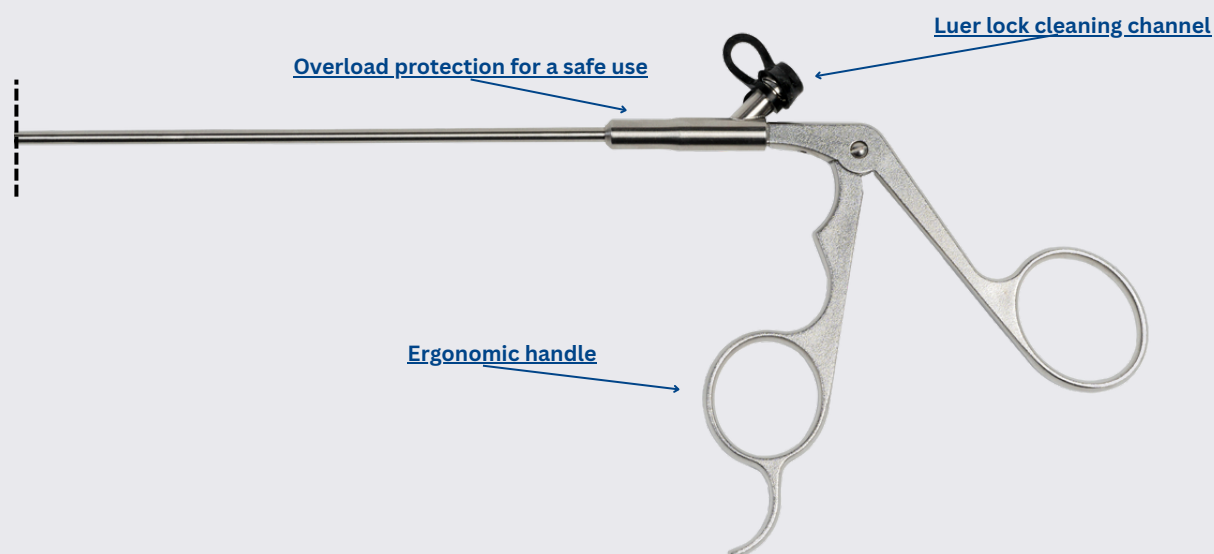
ENDOSCOPIC KERRISON PUNCHES



STANDARD	CERAMIC COATED	Ø	Degree	Working length
A-100-972	A-100-972-B	3.0 mm	40°	150 mm
A-100-785	A-100-785-B	3.5 mm	40°	150 mm
A-100-787	A-100-787-B	4.0 mm	40°	150 mm
A-100-772	A-100-772-B	5.0 mm	40°	150 mm
A-100-774	A-100-774-B	6.0 mm	40°	150 mm
A-100-973	A-100-973-B	3.0 mm	90°	150 mm
A-100-786	A-100-786-B	3.5 mm	90°	150 mm
A-100-788	A-100-788-B	4.0 mm	90°	150 mm
A-100-773	A-100-773-B	5.0 mm	90°	150 mm
A-100-775	A-100-775-B	6.0 mm	90°	150 mm



FORCEPS, PUNCHES, SCISSORS & SPOONS



CUP FORCEPS STRAIGHT JAW

	Ø	Working length
A-100-595	2.0 mm	150 mm
A-100-802	4.0 mm	150 mm
A-100-761	5.0 mm	150 mm



MICRO SPOON STRAIGHT JAW

	Ø	Working length
A-100-596	2.0 mm	150 mm



BLAKESLEY BIPOSY GRASPING FORCEPS

	Ø	Working length
A-100-803	4.0 mm	150 mm
A-100-763	5.0 mm	150 mm



GRASPING FORCEPS STRAIGHT JAW	Ø	Working length
A-100-809	4.0 mm	150 mm
A-100-765	5.0 mm	150 mm



BIOPSY GRASPING FORCEPS	Jaw	Ø	Working length
A-100-810	Straight Jaw	4.0 mm	150 mm
A-100-762	Teethed with sharp Spoon	5.0 mm	150 mm



HOOK SCISSORS PUNCH STRAIGHT JAW	Ø	Working length
A-100-804	4.0 mm	150 mm
A-100-764	5.0 mm	150 mm

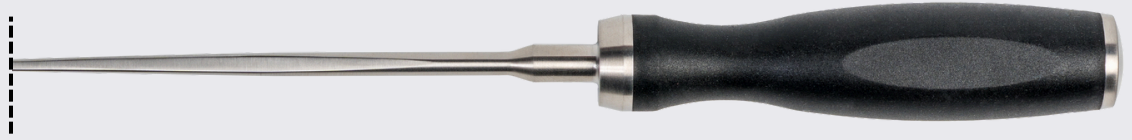


CHISELS, PROBES & ARROWHEAD KNIFE



CHISELS		Ø	Working length
A-100-776	BONE CHISEL BLUNT	4.0 mm	120 mm
A-100-777	BONE CHISEL	4.0 mm	120 mm
A-100-751	MIGHTY CHISEL STRAIGHT	5.0 mm	120 mm
A-100-752	MIGHTY CHISEL LEFT-BENDED	5.0 mm	120 mm
A-100-753	MIGHTY CHISEL RIGHT-BENDED	5.0 mm	120 mm
A-100-754	MIGHTY CHISEL UP-BENDED	5.0 mm	120 mm





PROBES		Ø	Working length
A-100-778	HOOK PROBE	3.0 mm	150 mm
A-100-779	PROBE	3.0 mm	150 mm



ARROWHEAD KNIFE	Ø	Working length
A-100-784	5.0 mm	140 mm



SPINE HAMMER

A-100-547

Metal Hammer

black silicon handle with plastic stopper (both-sided)

OD 25 mm, WL 200 mm



A-100-057

Metal Hammer

blue silicon handle with plastic stopper (one-sided)

OD 30 mm, WL 240 mm



CURETTE OVAL SPOON	Alignment	Ø	Working length
A-100-817	Straight	3.0 x 5.0 mm	120 mm
A-100-818	Straight	4.5 x 7.0 mm	120 mm
A-100-819	Straight	6.0 x 9.0 mm	120 mm
A-100-820	Forward angled	3.0 x 5.0 mm	120 mm
A-100-781	Forward angled	4.5 x 7.0 mm	120 mm
A-100-821	Forward angled	6.0 x 9.0 mm	120 mm
A-100-822	Backward angled	3.0 x 5.0 mm	120 mm
A-100-823	Boomerang	3.0 x 5.0 mm	120 mm



RETRACTOR



STANDARD	CERAMIC COATED	Degree	Length
A-100-755	A-100-755-B	5° and 15°	305 mm
A-100-756	A-00-756-B	25° and 35°	305 mm

MUSCLE DETACHER

A-100-782

T-Shape

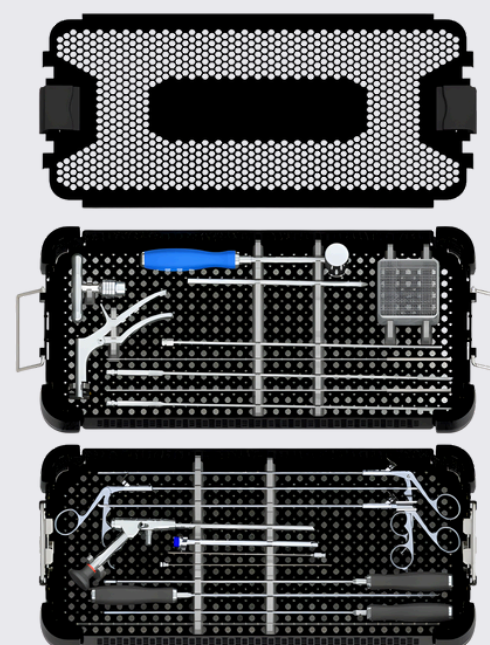


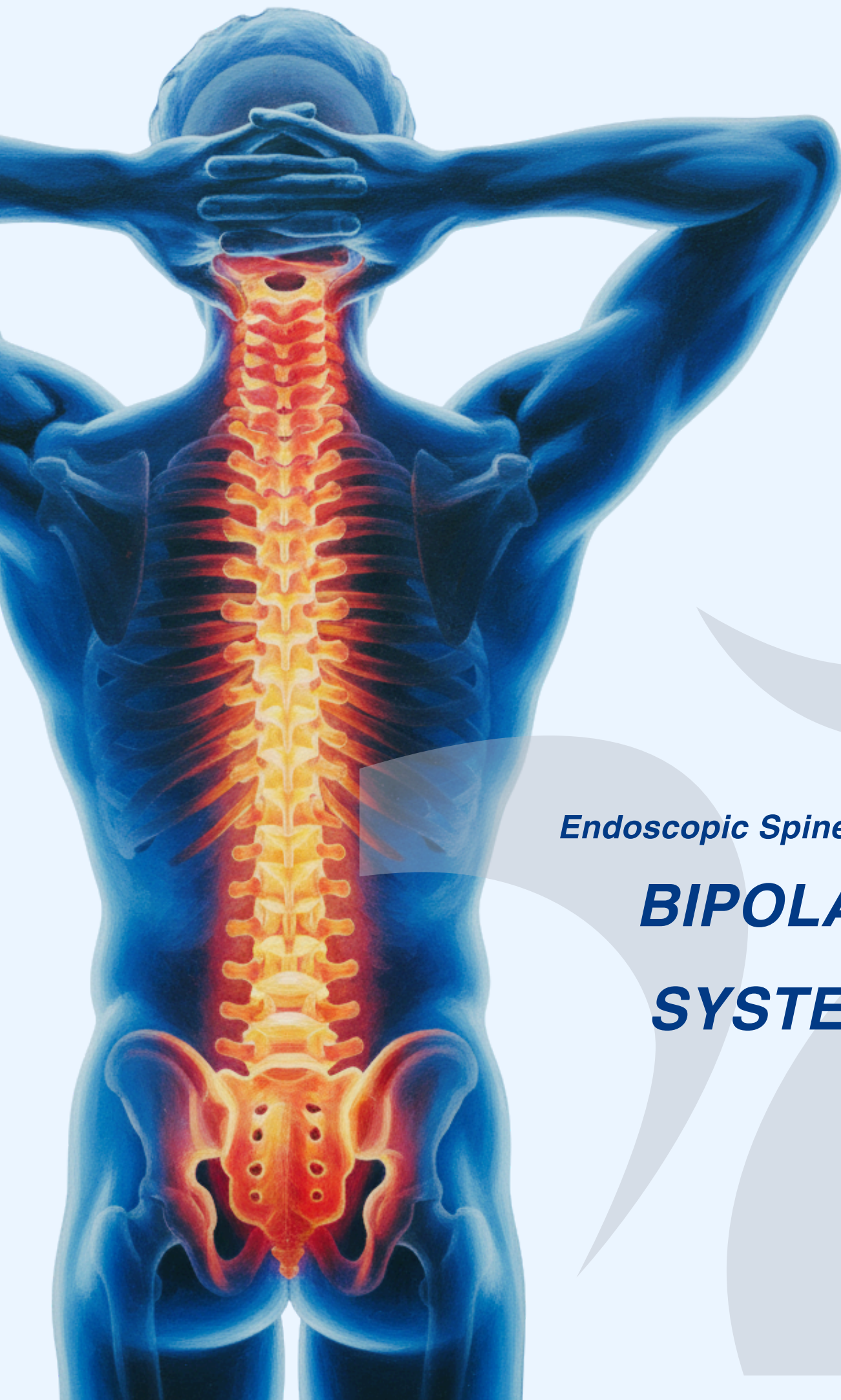
TRAY

Available for all sets recommended by us OR customised to your personal requirements.

The trays are available in stackable or non-stackable versions and optionally in aluminium or stainless steel.

	Description
A-100-911	Aluminium Tray for UBE DISC HERNIATION
A-100-914	Aluminium Tray for UBE STENOSIS
A-100-870	Modular Tray stackable, Aluminium
A-100-871	Modular Tray non-stackable, Aluminium
A-100-882	Modular Tray stackable, Stainless steel
A-100-883	Modular Tray non-stackable, Stainless steel





Endoscopic Spine Surgery

***BIPOLAR
SYSTEM***

BIPOLAR HANDLE

Clamp System

A-001-210



BIPOLAR SHAFT

For clamp system



	Ø	Working length
A-001-374	2.3 mm	260 mm
A-001-375	2.3 mm	330 mm
A-001-211	2.3 mm	378 mm

BIPOLAR ELECTRODE (SINGLE USE)

Sterilisable up to 70°C, blue

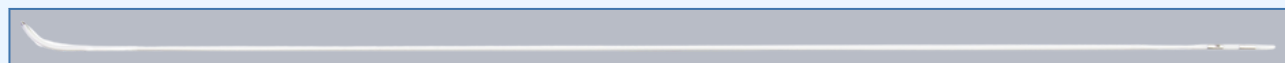


	Ø	Working length
A-001-378	2.3 mm	260 mm
A-001-379	2.3 mm	330 mm
A-001-212	2.3 mm	378 mm



BIPOLAR ELECTRODE (REUSABLE)

Sterilisable up to 140°C, white



	Ø	Working length
A-001-380	2.3 mm	260 mm
A-001-381	2.3 mm	330 mm
A-001-285	2.3 mm	378 mm

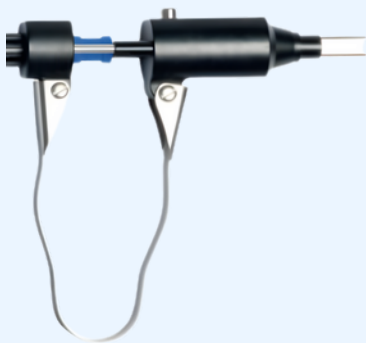


Endoscopic Spine Surgery

BIPOLAR SYSTEM

BIPOLAR HANDLE

Clip System
A-001-307



BIPOLAR SHAFT

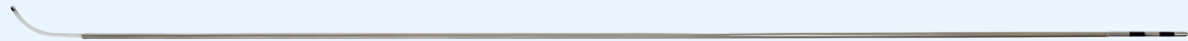
For clip system



	Ø	Working length
A-001-376	3.0 mm	260 mm
A-001-377	3.0 mm	330 mm
A-001-306	3.0 mm	378 mm

BIPOLAR ELECTRODE (REUSABLE)

For autoclave max. 140°C, white



	Ø	Working length
A-001-382	2.5 mm	260 mm
A-001-383	2.5 mm	330 mm
A-001-305	2.5 mm	378 mm





Endoscopic Spine Surgery

DEVICES

Endoscopic Spine Surgery

DEVICES

A-001-421

4K Medical Monitor

- 4K resolution (3840*2106)
- Color range BT.2020

A-001-391

Generator ARC 100

- Compact solution
- With 100 Watt output power in all modes
- Combines power with intuitive operation
- For monopolar and bipolar electrosurgery
- Maximum functionality with minimum size

A-001-422

Camera Control Unit

- High-quality 4K image processing technology
- Integrated photo and video recording function
- Intelligent exposure and light source control
- CF level safety certification

A-001-424

Cold Light Source

- Intelligent brightness control
- LED technology
- Long service light, high stability
- High colour rendition

A-100-426

Spine Irrigation Pump

- Automatic decompression during work interruption
- Intuitive to use and highly reliable, for a clear view
- Fully automatic response, no pressure adjustment required



A-100-633

High-Speed Motor System with Handpiece

- Engine speed range from 300 - 80'000 rpm
- Fine adjustment of the integrated peristaltic pump to cool the instrument and prevent tissue damage
- 3 - 10 individually memorisable programmes
- Multifunctional pedal

A-001-423

Camera Head

- 4K image sensor
- High frame rate (60fps)
- Ergonomic design
- IPX7 waterproof design

A-001-420

Trolley

- High Quality steel structure, stable and reliable
- Ergonomic anti-tipping design
- Ultra-quiet casters

A-001-427

BOWA ARC

- Flexible configurable (see page 3)
- Simple operator guidance via touch control
- Programme memory for 300 discipline-specific unit settings

GENERATORS

A-001-391

BOWA ARC 100



A-001-427-I

BOWA ARC Typ I

1 monopolar, 1 bipolar



A-001-427-II

BOWA ARC Typ II

2 monopolar, 1 bipolar



A-001-427-III

BOWA ARC Typ III

2 monopolar, 1 bipolar



A-001-427-IV

BOWA ARC Typ IV

1 monopolar, 2 bipolar



A-001-427-V

BOWA ARC Typ V

2 monopolar, 2 bipolar



Endoscopic Spine Surgery

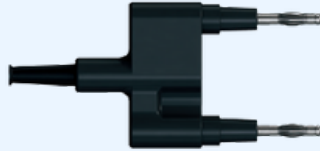
DEVICES

HF-CABLES BIPOLAR (BOWA)

High-quality manufacturing and extreme durability

Unit connecting		Length		Instrument connecting
Valleylab <i>Flat plug, straight autobipolar</i>		3 m	A-100-462	
Erbe <i>Flat plug, straight 8/4 mm</i>		4 m	A-100-457	
Erbe International <i>Flat plug, straight, 2-Pin, 22 mm</i>		4.5 m	A-100-461	
Martin <i>Flat plug, straight 6/2 mm</i>		4.5 m	A-100-459	
International <i>Flat plug, straight 2-Pin, 28 mm</i>		4.5 m	A-100-460	
BOWA Comfort <i>Flat plug, straight 3-Pin</i>		4.5 m	A-100-473	

HF-CABLES BIPOLAR (STANDARD)

Unit connecting		Length		Instrument connecting
Valleylab <i>Flat plug, straight autobipolar</i>		3 m	A-100-463	
		5 m	A-100-464	
Erbe VIO/ICC/ACC, Storz <i>Flat plug, straight 8/4 mm</i>		3 m	A-100-465	
		5 m	A-100-466	
Martin, Berchtold, Integra <i>Flat plug, straight 6/2 mm</i>		3 m	A-100-467	
		5 m	A-100-468	
Ellman <i>Flat plug, straight</i>		3 m	A-100-469	
		5 m	A-100-470	
Uniflex <i>Flat plug, straight</i>		3 m	A-100-471	
		5 m	A-100-472	
US-Models, 2 Pol <i>Flat plug, straight</i>		3 m	A-100-473	
		5 m	A-100-474	

Endoscopic Spine Surgery

DEVICES

SHAVER BURRS

High-speed shaver burrs for speeds up to 80,000 rpm

Recommended for STENOSIS	
A-100-695	Support sleeve without protector <i>D 4.0 mm</i>
A-100-696	Spinal burr diamond <i>Round, D 5.0 mm, WL 186 mm</i>
A-100-697	Spinal burr tungsten carbide <i>Round, D 5.0 mm, WL 186 mm</i>
A-100-698	Carbide milling cutter <i>Conical, D 5.0 mm, WL 191 mm</i>



Recommended for INTERLAMINAR	
A-100-699	Support sleeve without protector <i>D 4.0 mm</i>
A-100-700	Support sleeve with distal protector <i>D 4.0 mm</i>
A-100-701	Spinal burr tungsten carbide <i>Round, D 3.5 mm, WL 231 mm</i>
A-100-702	Spinal burr diamond, <i>Round, D 3.7 mm, WL 233 mm</i>



Recommended for TRANSFORAMINAL	
A-100-703	Support sleeve without protector <i>D 4.0 mm</i>
A-100-704	Support sleeve with distal protector <i>D 4.0 mm</i>
A-100-705	Support sleeve with sloping protector <i>D 4.0 mm</i>
A-100-706	Spinal burr tungsten carbide <i>D 3.5 mm, WL 220 mm</i>
A-100-707	Spinal burr diamond <i>Round, D 3.7 mm, WL 216 mm</i>
A-100-708	Spinal burr tungsten carbide <i>Round, D 4.0 mm, WL 215 mm</i>



ACCESSORIES

A-001-425

Cold Light Cable

Various connections and lengths available



A-001-428

Double Pedal Foot Switch with Switch and Clip

Cable 4 m, for BOWA ARC, ARC 400, ARC 350, ARC 303 and ARC 250



A-001-429

Single Pedal Foot Switch with Switch

Cable 4 m, for BOWA ARC, BOWA ARC 100, ARC 400, ARC 350, ARC 303, ARC 250



A-100-800

Adapter for Bipolar Cable



A-001-515

Neutral Electrode (Reusable)

250 x 150 mm, various connections



A-001-516

Neutral Electrode (Single Use)

110 cm², with or without cable



ACCESSORIES

A-100-919

Arm System with Endoscope Holder

Clamping range: D 2.7 mm- 10 mm



A-100-920

Clamp Base

For attaching the holding arm to the operating table, insulated up to 4.5 kV





DOPPKON GmbH & Co. KG
Einsteinstr. 30
78549 Spaichingen
GERMANY

T +49.7424.60212.00
F +49.7424.60212.99

info@doppkon.de
www.doppkon.de