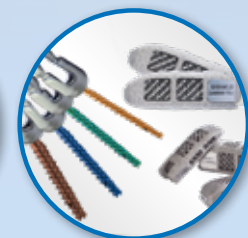




joimax[®]



COMPLETE SPINAL SURGERY SYSTEMS
PRODUCTS



Joined minimal access

Innovative medical technology, which offers physicians the very best in all-in-one solutions and concentrates entirely on the patient, has been the focus since joimax® GmbH was founded in Karlsruhe, Germany in 2001.

joimax® stands for "joined minimal access" – combined minimally invasive access technologies – with an emphasis on developing, manufacturing, and marketing for surgical procedures focused on endoscopic treatment of the spinal column.

With that aim in mind, we develop minimally invasive instruments, devices, and systems for "gentle" operating techniques, through an ongoing dialog with orthopedic surgeons, neurosurgeons, and spine specialists.



Wolfgang Ries,
Founder, CEO &
President



Rainer Schmitz,
CFO/COO



Maximilian Ries,
General Manager

We are particularly grateful to our supporters, partners, employees, and friends, who all give our company a major boost.

Experience and the company's focus on innovation make joimax® the leading provider for endoscopic spine surgery – both today and for years to come.

Kindest regards,

joimax®, Inc.
Irvine



www.joimaxusa.com

joimax® GmbH
Karlsruhe



www.joimax.com

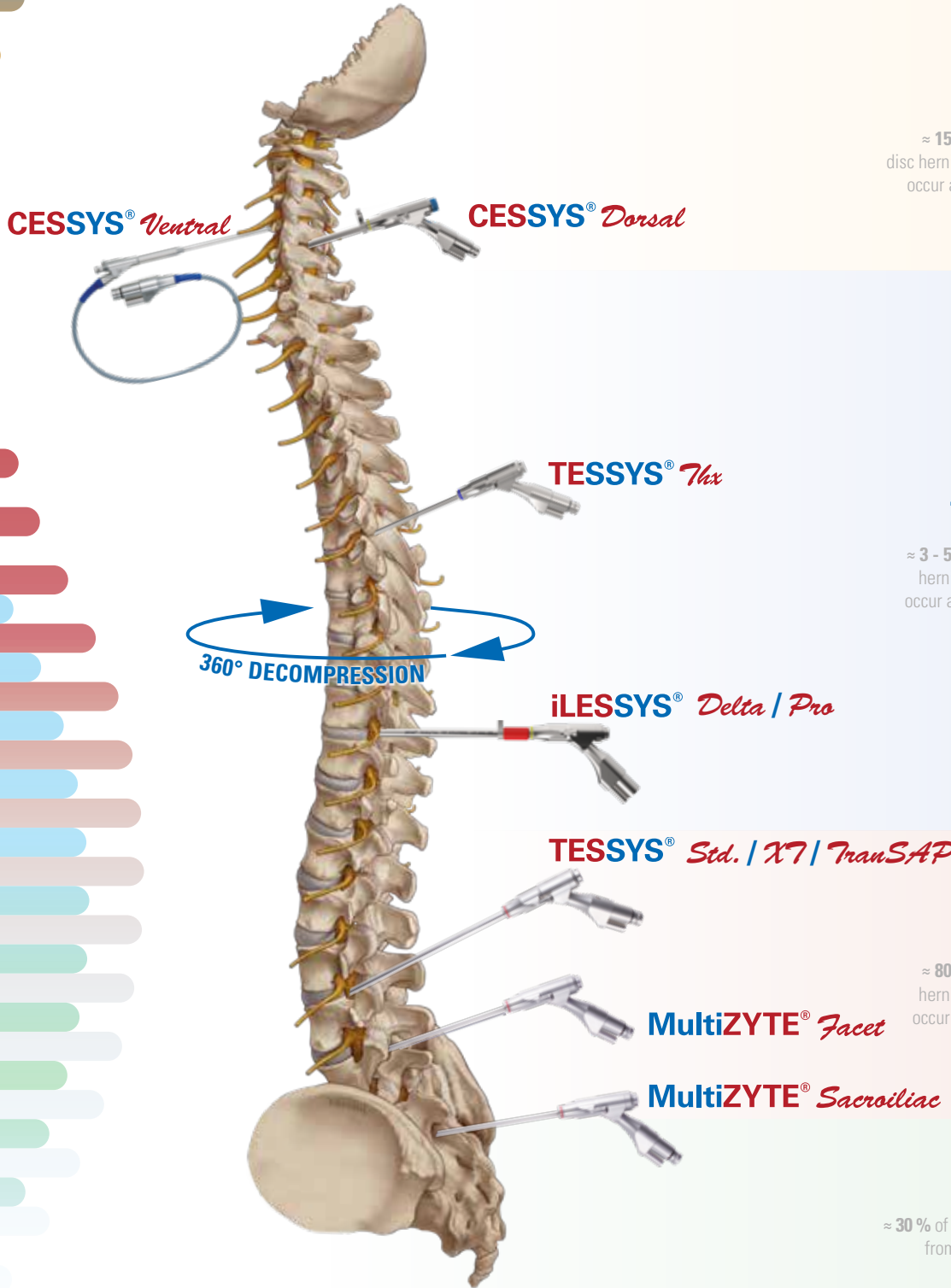
www.joimax-china.com

joimax® China
Shanghai



APPROACH OPTIONS

360° TREATMENT OF THE SPINAL CANAL



CERVICAL

≈ 15 - 18 % of all spinal disc herniations and stenosis occur at the cervical spine

THORACIC

≈ 3 - 5 % of all spinal disc herniations and stenosis occur at the thoracic spine

LUMBAR

≈ 80 % of all spinal disc herniations and stenosis occur at the lumbar spine

SACRAL

≈ 30 % of all pelvic pain comes from the sacroiliac joint

- CESSYS®** = Cervical Endoscopic Surgery **SYStem**
- TESSYS®** = Transforaminal Endoscopic Surgery **SYStem**
- iLESSYS®** = interLaminar Endoscopic Surgery **SYStem**
- MultiZYTE®** = Endoscopic Facet and Sacroiliac joint treatment system

TESSYS®
Transforaminal Endoscopic Surgical System



iLESSYS®
Interlaminar Endoscopic Surgical System



CESSYS®
Cervical Endoscopic Surgical System



MultiZYTE®
Endoscopic Facet and Sacroiliac Joint Treatment Set



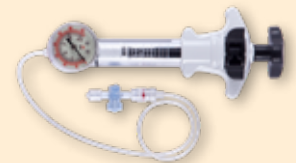
intENTS®
Interventional Endoscopic Nucleus Therapy Set



IMPLANTS



VBA-MANAGEMENT



INSTRUMENTS



ENDOSCOPES



DISPOSABLES



DEVICES



ACCESSORIES





TESSYS® – the unique all-in-one-system

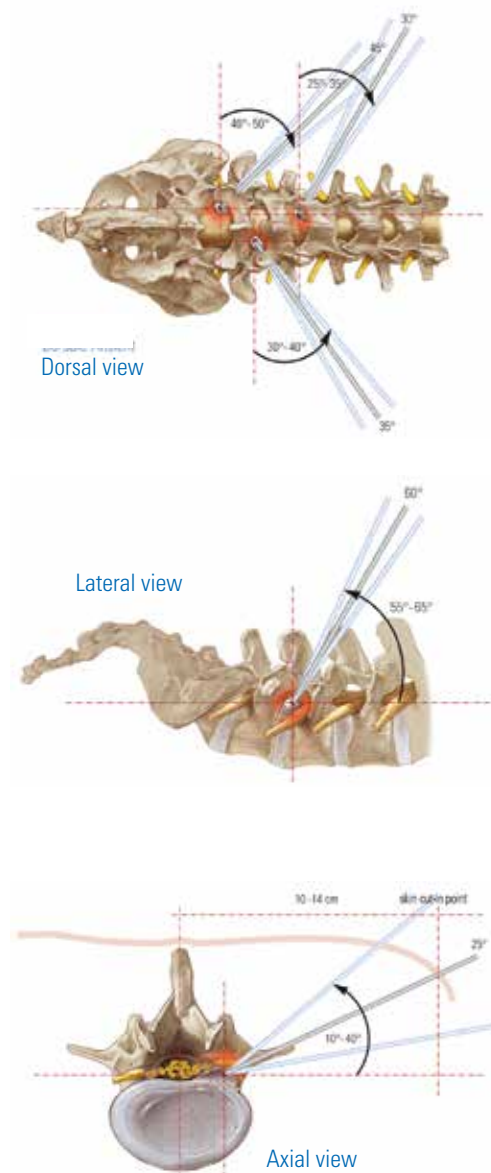
To remove a herniated disc, the **TESSYS®** method uses a lateral, transforaminal, endoscopic access path, classifiable as a surgical access method that minimizes patient trauma. Sequestered herniated disc tissue is completely and directly removed through the foramen, which is gradually extended with special reamers and instruments, while the patient is in a stable lateral or prone position and responsive throughout surgery under analgesia sedation. The **TESSYS®** surgical method is

also performed in hospitals and ambulant surgical centers.

Instrument set – high precision, high durability

The instrument set contains all necessary instruments for secure minimally invasive surgery and the removal of spinal disc material, plus a range of different grasping, cutting and punching forceps for removing free nucleus material, scar tissue and facet joint capsule tissue.

TESSYS® approach



Following instruments sets are available

> **TESSYS® Instrument Set, Basic**

Standard instrument set for the transforaminal approach

> **TESSYS® Instrument Set, Basic XT**

Instrument Set based on the basic instrument set, with extended instruments for patients heavier than 120 kg

Transforaminal Endoscopic Surgical System



TESSYS®
Transforaminal Endoscopic Surgical System



A

TESSYS® X7D
Transforaminal Endoscopic Surgical System



B

TESSYS® X7
Transforaminal Endoscopic Surgical System



C

TESSYS® Max
Transforaminal Endoscopic Surgical System



D

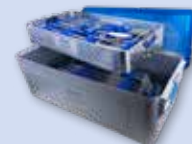
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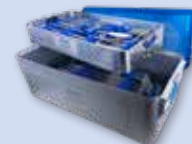
I



TESSYS® Instrument Set, Basic

A

REF	Description	Dimensions	Pcs.
TESBASIC	TESSYS® Instrument Set, Basic	incl. Container, Access and Resection Tray	Set
Access Tray			
GRB251025	TESSYS® Guiding Rod, blunt, green	L 250 mm / ID 1.0 mm / OD 2.5 mm	1
GRB251540	TESSYS® Guiding Rod, blunt, yellow	L 250 mm / ID 1.5 mm / OD 4.0 mm	1
GRB252050	TESSYS® Guiding Rod, blunt, red	L 250 mm / ID 2.0 mm / OD 5.0 mm	1
GRC241025	TESSYS® Guiding Rod, conical, green	L 240 mm / ID 1.0 mm / OD 2.5 mm	1
GRC241540	TESSYS® Guiding Rod, conical, yellow	L 240 mm / ID 1.5 mm / OD 4.0 mm	1
GRC242050	TESSYS® Guiding Rod, conical, red	L 240 mm / ID 2.1 mm / OD 5.2 mm	1
GRD226315	Guiding Rod, conical with center and excenter bore	L 225 mm / OD 6.3 mm / ID1 1.5 mm / ID2 1.5 mm	1
GRF182500 *	TESSYS® Guiding Rod Forceps	WL 143mm / for 2.5/4.0/5.2mm Guiding rod	1
GRT241025S	TESSYS® Guiding Rod, curved, green	L 240 mm / ID 1.0 mm / OD 2.5 mm	1
GTC185363	TESSYS® Guiding Tube, conical, red	L 185 mm / ID 5.3 mm / OD 6.3 mm	1
GTC194353	TESSYS® Guiding Tube, conical, yellow	L 195 mm / ID 4.2 mm / OD 5.2 mm	1
GTC202838	TESSYS® Guiding Tube, conical, green	L 205 mm / ID 2.6 mm / OD 3.9 mm	1
JAF180023	Tweezers	L 183 mm / W 1.8 mm	1
JFST061427	Stopper	H 6 mm / OD 14 mm / ID 2.7 mm	1
JFST061434	Stopper	H 6 mm / OD 14 mm / ID 3.4 mm	1
JMSDL001	Silicone Sealing Cap for Luer-Lock, blue		1
NHS16000	Needle Holder Scissor	L 160 mm	1
RHC108590	TESSYS® Reamer Handle XT, cannulated	Quick-Lock-System, pull-release	1
RPE280380	Reamer Push-Ejector, green	L 280 mm / OD 3.8 mm	1
RPE280500	Reamer Push-Ejector, yellow	L 280 mm / OD 5.0 mm	1
RPE280600	Reamer Push-Ejector, red	L 280 mm / OD 6.0 mm	1
SWTDR6312	Scope Working Tube Distance Ring	for TESSYS® iLESSYS® MultiZYTE®, Scopes OD 6.3 mm	1
TCW40010	TESSYS® Cleaning Wire	L 400 mm / OD 1.0 mm	1
TEFH45025	TESSYS® Endo-Flexprobe Handle	L 460 mm / OD 3 mm / ID 2.2 mm	1
TEFP32020	Endo-Flexprobe, standard	L 320 mm / OD 2.0 mm	1
TMH200170B	Metal Hammer	200 g / L 200 mm / blue cap	1
TNC582820	TESSYS® Norm-Container H 200 mm, blue	L 580 mm / W 280 mm / H 200 mm	1
TNH322533	NiTi Nerve Hook, superelastic	L 320 mm / OD 2.5 mm / JL 3.3 mm	1
TRPH25100	Palm Handle	L 104 mm / ID 25 mm	1
TSR25010	TESSYS® Steel Ruler	L 200 mm	1
WTS176575	Working Tube with Handle, standard Lip	L 170 mm / ID 6.5 mm / OD 7.5 mm	1



TESSYS® Instrument Set, Basic

A

REF	Description	Dimensions	Pcs.
WTS177503	Working Tube with Handle, oblique 45°	L 170 mm / ID 6.5 mm / OD 7.5 mm	1
GRB251025	TESSYS® Guiding Rod, blunt, green	L 250 mm / ID 1.0 mm / OD 2.5 mm	1

Resection Tray

BFS235081	Biopsy Forceps, Spoon	WL 230 mm / OD 4.5 mm / JL 5.5 mm, LOPS	1
BFS323061	Biopsy Forceps, Blakesley	WL 320 mm / OD 3.5 mm / JL 6.0 mm, LOPS	1
EKH550000	Endo-Kerrison Pistol Handle	OD 5.5 mm	1
EKS32351540	Endo-Kerrison-Shaft	WL 320 mm / OD 3.5 mm / F 1.5 mm / 40°	1
EKS32351590	Endo-Kerrison-Shaft	WL 320 mm / OD 3.5 mm / F 1.5 mm / 90°	1
TFG322522U	Semi-Flexible Grasper Forceps, curved, up-biting	WL 320 mm / OD 2.5 mm / Helix 2.5 mm	1
THF322041	Biopsy Forceps, Spoon, angled	WL 320 mm / OD 2.5 mm / JL 4.0 mm / 45°, LOPS	1
THF322541	Biopsy Forceps, Spoon	WL 320 mm / OD 2.5 mm / JL 3.35 mm, LOPS	1
THF323541	Biopsy Forceps, Spoon	WL 320 mm / OD 3.4 mm / JL 4.25 mm, LOPS	1
THG323555	Grasper Forceps, Spoon	WL 320 mm / OD 3.5 mm / JL 5.5 mm, LOPS	1

Miscellaneous

TIT502550F-35	TESSYS® Sterilization Tray for Instruments	Resection Tray / L 530 mm / W 240 mm / H 75 mm	1
TIT502550-I	TESSYS® Sterilization Tray for Instruments	Access Tray / L 530 mm / W 240 mm / H 75 mm	1
TCC150700	Closing Cap for joimax® Endoscopes	OD 15 mm / ID 11 mm / Bore 1 mm	1
JSTC532410	joimax® Sterilization Tray Cover	L 530 mm / W 240 mm	1
JIPD10000	Serial Number Set, two parts	Serial number labeling according to order	1

Endoscopes are not part of the set. Please order separately, see tab Endoscopes

FS6342181-15C	TESSYS® FHD Foraminoskop (3,7 AK), combo	WL 171 mm / OD 6.3 mm / 15° / WChD 3.7 mm / 2 x IC 1.5 mm	1
FS6342181-15O	TESSYS® FHD Foraminoskop (3,7 AK), ocular	WL 171 mm / OD 6.3 mm / 15° / WChD 3.7 mm / 2 x IC 1.5 mm	1
FS6342181C	TESSYS® FHD Foraminoscope (3.7 WCh), combo	WL 171 mm / OD 6.3 mm / 30° / WChD 3.7 mm / 2 x IC 1.5 mm	1
FS6342181C-4K	4K UHD Foraminoskop	WL 171 mm / OD 6.4mm / WChD 3.7 mm / 30° Optic / 2 x IC 1.5 mm	1
FS6342181O	TESSYS® FHD Foraminoscope (3.7 WCh), ocular	WL 171 mm / OD 6.3 mm / 30° / WChD 3.7 mm / 2 x IC 1.5 mm	1
FS6342181O-4K	4K UHD Foraminoskop	WL 171 mm / OD 6.4mm / WChD 3.7 mm / 30° Optic / 2 x IC 1.5 mm	1



TESSYS® Instrument Set, Basic XTD for patients heavier than 120 kg

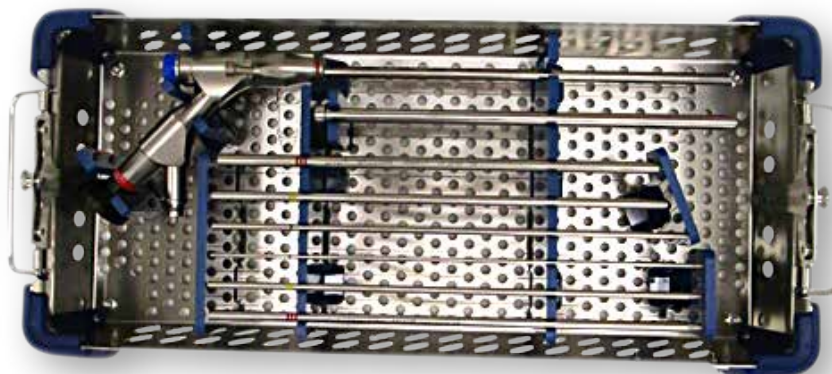
REF	Description	Dimensions	Pcs.
TESXTD	TESSYS® XT Extension Set	is used additional to TESBASIC	Set
GRC241025	TESSYS® Guiding Rod, conical, green	L 240 mm / ID 1.0 mm / OD 2.5 mm	1
GRC241540	TESSYS® Guiding Rod, conical, yellow	L 240 mm / ID 1.5 mm / OD 4.0 mm	1
GRC242050	TESSYS® Guiding Rod, conical, red	L 240 mm / ID 2.1 mm / OD 5.2 mm	1
GTC215363	Guiding Tube, conical, red	L 216.5 mm / ID 5.3 mm / OD 6.3 mm	1
GTC224353	Guiding Tube, conical, yellow	L 223 mm / ID 4.2 mm / OD 5.2 mm	1
GTC232838	Guiding Tube, conical, green	L 231.5 mm / ID 2.8 mm / OD 3.8 mm	1
WTS217500	TESSYS® XT Working Tube with Handle	fenestrated, L 208 mm / ID 6.5 mm / OD 7.5 mm	1

Miscellaneous

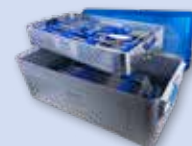
TXT381666	TESSYS® XT Extension Set Sterilization Tray	L 380 mm / W 162 mm / H 66 mm	1
UNI3816C	Universal Lid for Sterilization Tray	L 380 mm / W 162 mm	1
JIPS10000	Serial Number Set, one part	Serial number labeling according to order	1

Endoscopes are not part of the set. Please order separately, see tab Endoscopes

FX6342208C	TESSYS® FHD Foraminoskop XT (3,7 AK), combo	WL 208 mm / OD 6.3 mm / 30° / WChD 3.7 mm / 2 x IC 1.5 mm	1
FX6342208O	TESSYS® FHD Foraminoskop XT (3,7 AK), ocular	WL 208 mm / OD 6.3 mm / 30° / WChD 3.7 mm / 2 x IC 1.5 mm	1

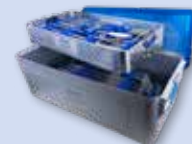


TESXTD



TESSYS® Instrument Set, Basic XT for patients heavier than 120 kg

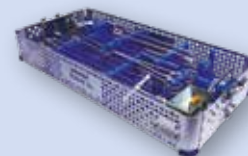
REF	Description	Dimensions	Pcs.
TESBASICXT	TESSYS® XT Instrument Set		Set
Access Tray			
GRB251025	TESSYS® Guiding Rod, blunt, green	L 250 mm / ID 1.0 mm / OD 2.5 mm	1
GRB251540	TESSYS® Guiding Rod, blunt, yellow	L 250 mm / ID 1.5 mm / OD 4.0 mm	1
GRB252050	TESSYS® Guiding Rod, blunt, red	L 250 mm / ID 2.0 mm / OD 5.0 mm	1
GRC241025	TESSYS® Guiding Rod, conical, green	L 240 mm / ID 1.0 mm / OD 2.5 mm	1
GRC241540	TESSYS® Guiding Rod, conical, yellow	L 240 mm / ID 1.5 mm / OD 4.0 mm	1
GRC242050	TESSYS® Guiding Rod, conical, red	L 240 mm / ID 2.1 mm / OD 5.2 mm	1
GRD226315	Guiding Rod, conical with center and excenter bore	L 225 mm / OD 6.3 mm / ID1 1.5 mm / ID2 1.5 mm	1
GRF182500 *	TESSYS® Guiding Rod Forceps	WL 143mm / for 2.5/4.0/5.2mm Guiding rod	1
GRT241025S	TESSYS® Guiding Rod, curved, green	L 240 mm / ID 1.0 mm / OD 2.5 mm	1
GTC215363	Guiding Tube, conical, red	L 216.5 mm / ID 5.3 mm / OD 6.3 mm	1
GTC224353	Guiding Tube, conical, yellow	L 223 mm / ID 4.2 mm / OD 5.2 mm	1
GTC232838	Guiding Tube, conical, green	L 231.5 mm / ID 2.8 mm / OD 3.8 mm	1
JAF180023	Tweezers	L 183 mm / W 1.8 mm	1
JFST061427	Stopper	H 6 mm / OD 14 mm / ID 2.7 mm	1
JFST061434	Stopper	H 6 mm / OD 14 mm / ID 3.4 mm	1
JMSDL001	Silicone Sealing Cap for Luer-Lock, blue		1
RHC108590	TESSYS® Reamer Handle XT, cannulated	Quick-Lock-System, pull-release	1
RPE280380	Reamer Push-Ejector, green	L 280 mm / OD 3.8 mm	1
RPE280500	Reamer Push-Ejector, yellow	L 280 mm / OD 5.0 mm	1
RPE280600	Reamer Push-Ejector, red	L 280 mm / OD 6.0 mm	1
SWTDR6312	Scope Working Tube Distance Ring	TESSYS® iLESSYS® MultiZYTE®, Scopes OD 6.3 mm	1
TCW40010	TESSYS® Cleaning Wire	L 400 mm / OD 1.0 mm	1
TEFH45025	TESSYS® Endo-Flexprobe Handle	L 460 mm / OD 3 mm / ID 2.2 mm	1
TEFP32020	Endo-Flexprobe, standard	L 320 mm / OD 2.0 mm	1
TMH200170B	Metal Hammer	200 g / L 200 mm / blue cap	1
TNC582820	TESSYS® Norm-Container H 200 mm, blue	L 580 mm / W 280 mm / H 200 mm	1
TNH322533	NiTi Nerve Hook, superelastic	L 320 mm / OD 2.5 mm / JL 3.3 mm	1
TRPH25100	Palm Handle	L 104 mm / ID 25 mm	1
TSR25010	TESSYS® Steel Ruler	L 200 mm	1
WTS217500	TESSYS® XT Working Tube with Handle	fenestrated, L 208 mm / ID 6.5 mm / OD 7.5 mm	1
WTS217503	TESSYS® XT Working Tube with handle	fenestrated 45°, L 208 mm / ID 6.5 mm / OD 7.5 mm	1



TESSYS® Instrument Set, Basic XT for patients heavier than 120 kg

B

REF	Description	Dimensions	Pcs.
Resection Tray			
BFS235081	Biopsy Forceps, Spoon	WL 230 mm / OD 4.5 mm / JL 5.5 mm, LOPS	1
BFS323061	Biopsy Forceps, Blakesley	WL 320 mm / OD 3.5 mm / JL 6.0 mm, LOPS	1
EKH550000	Endo-Kerrison Pistol Handle	OD 5.5 mm	1
EKS32351540	Endo-Kerrison-Shaft	WL 320 mm / OD 3.5 mm / F 1.5 mm / 40°	1
EKS32351590	Endo-Kerrison-Shaft	WL 320 mm / OD 3.5 mm / F 1.5 mm / 90°	1
TFG322522U	Semi-Flexible Grasper Forceps, curved, up-biting	WL 320 mm / OD 2.5 mm / Helix 2.5 mm	1
THF322041	Biopsy Forceps, Spoon, angled	WL 320 mm / OD 2.5 mm / JL 4.0 mm / 45°, LOPS	1
THF322541	Biopsy Forceps, Spoon	WL 320 mm / OD 2.5 mm / JL 3.35 mm, LOPS	1
THF323541	Biopsy Forceps, Spoon	WL 320 mm / OD 3.4 mm / JL 4.25 mm, LOPS	1
THG323555	Grasper Forceps, Spoon	WL 320 mm / OD 3.5 mm / JL 5.5 mm, LOPS	1
Miscellaneous			
JIPD10000	Serial Number Set, two parts	Serial number labeling according to order	1
TIT502550F-35	TESSYS® Sterilization Tray for Instruments	Resection Tray / L 530 mm / W 240 mm / H 75 mm	1
TIT502550-I	TESSYS® Sterilization Tray for Instruments	Access Tray / L 530 mm / W 240 mm / H 75 mm	1
JSTC532410	joimax® Sterilization Tray Cover	L 530 mm / W 240 mm	1
TCC150700	Closing Cap for joimax® Endoscopes	OD 15 mm / ID 11 mm / Bore 1 mm	1
Endoscopes are not part of the set. Please order separately, see tab Endoscopes			
FX6342208C	TESSYS® FHD Foraminoskop XT (3,7 AK), combo	WL 208 mm / OD 6.3 mm / 30° / WChD 3.7 mm / 2 x IC 1.5 mm	1
FX6342208O	TESSYS® FHD Foraminoskop XT (3,7 AK), ocular	WL 208 mm / OD 6.3 mm / 30° / WChD 3.7 mm / 2 x IC 1.5 mm	1



TESSYS® Thorax

REF	Description	Dimensions	Pcs.
BFS322761	Biopsy Forceps, Blakesley	WL 320 mm / OD 2.7 mm / JL 6.0 mm, LOPS	1
CIH300607	Instrument Holder	WL 230 mm / Cone OD 2 - 6 mm / Pin ID 3.0 mm	1
DCC245521	joimax® Bone Drill 5.5 mm, cannulated, unsterile	L 210 mm / ID 2.4 mm / OD 5.5 mm	1
DCC246521	joimax® Bone Drill 6.5 mm, cannulated, unsterile	L 210 mm / ID 2.4 mm / OD 6.5 mm	1
DCC247521	joimax® Bone Drill 7.5 mm, cannulated, unsterile	L 210 mm / ID 2.4 mm / OD 7.5 mm	1
EKH550000	Endo-Kerrison Pistol Handle	OD 5.5 mm	1
EKS27303040	Endo-Kerrison-Shaft	WL 275 mm / OD 3.0 mm / F 3.0 mm / 40°	1
GRC255922N	Guiding Rod Navi, double- cannulated, red	WL 255 mm / OD 5.8 mm / ID 1.0 mm / JL 22 mm	1
GRF182500 *	TESSYS® Guiding Rod Forceps	WL 143mm / for 2.5/4.0/5.2mm Guiding rod	1
GTC184055	Guiding Tube, conical	L 185 mm / ID 4.0 mm / OD 5.8 mm	1
GTC254020	Guiding Tube, conical, green	WL 255 mm / ID 2.0 mm / OD 3.8 mm	1
JAF180023	Tweezers	L 183 mm / W 1.8 mm	1
JFST061427	Stopper	H 6 mm / OD 14 mm / ID 2.7 mm	1
JMSDL001	Silicone Sealing Cap for Luer-Lock, blue		1
NHS16000	Needle Holder Scissor	L 160 mm	1
RHC108590	TESSYS® Reamer Handle XT, cannulated	Quick-Lock-System, pull-release	1
TEFH41025	Handle Endo-Flexprobe 270	L 410 mm / OD 3 mm / ID 2.2 mm	1
TEFP27020	Endo-Flexprobe 270	L 270 mm / OD 2.0 mm	1
TFG272522U	Semi-Flexible Grasper Forceps, curved, up-biting	WL 275 mm / OD 2.7 mm / Helix 2.5 mm	1
TGWS50018	joimax® Guide Wire super elastic, nonsterile	L 500 mm / OD 1.8 mm	1
THF272541	Biopsy Forceps, Spoon	WL 275 mm / OD 2.5 mm / JL 4.0 mm, LOPS	1
THS272550	Hook Scissor	WL 275 mm / OD 2.5 mm / JL 5.0 mm, LOPS	1
TMH200170B	Metal Hammer	200 g / L 200 mm / blue cap	1
TTT552575	TESSYS® Thorax Sterilization Tray for Instruments	L 550 mm / W 250 mm / H 75 mm	1
WTT127000	Working Tube Thorax with Handle, standard Lip	L 121 mm / ID 6.0 mm / OD 7.0 mm	1
WTT127003	Working Tube Thorax with Handle, oblique 45°	L 121 mm / ID 6.0 mm / OD 7.0 mm	1

Miscellaneous

JIPD10000	Serial Number Set, two parts	Serial number labeling according to order	1
JSTC532410	joimax® Sterilization Tray Cover	L 530 mm / W 240 mm	1
TCC150700	Closing Cap for joimax® Endoscopes	OD 15 mm / ID 11 mm / Bore 1 mm	1

Endoscopes are not part of the set. Please order separately, see tab Endoscopes

FS5831120C	TESSYS® FHD Foraminoscope thoracic (3.1 WCh), Combo	WL 120 mm / OD 5.8 mm / 45° / WChD 3.1 mm / 2 x IC 1.4 mm	1
FS58311200	TESSYS® FHD Foraminoscope thoracic (3.1 WCh), Ocular	WL 120 mm / OD 5.8 mm / 45° / WChD 3.1 mm / 2 x IC 1.4 mm	



iLESSYS® – endoscopic interlaminar access for treatment of spinal stenosis and herniated discs

The **iLESSYS®** method is the surgical treatment of herniated discs and stenosis primarily of the lumbar spine. It uses a minimally invasive interlaminar access route. In this approach the removal of the lamina bones can be largely bypassed, muscles, soft tissues, and the ligamentum flavum are only gradually dilated. The small diameter of the joimax® Laminoscope (< 7 mm), and the working tube (< 8 mm) protect the tissue structures surrounding the access path and the spinal canal, and yet allow the used 30° optics throughout a large operation area index. Thus, the **iLESSYS®** method represents a true minimally invasive surgical technique for pathologies in and around the spinal canal.

Herniated disc

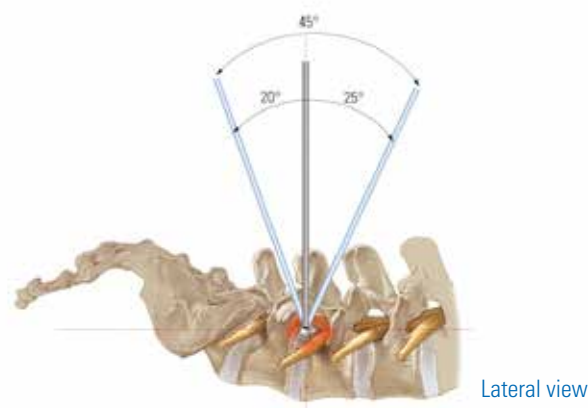
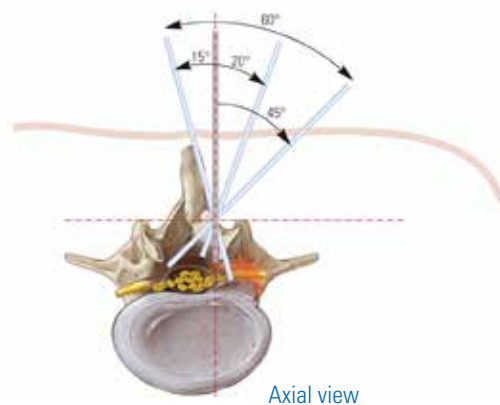
The **iLESSYS®** surgical method is indicated for almost any radicular symptoms caused by a herniated

disc that could not be improved with conservative therapy. Cauda equina syndrome indicates immediate calls for surgery. The **iLESSYS®** technique is particularly suitable for operations of disc herniations of the level L5/S1 with free sequesters dorsal to the dura.

Stenosis

Stenosis of the spinal canal and exiting nerves through degenerative processes cover a whole group of indications for the interlaminar approach, in particular with older patients. These degenerative disorders become an increasingly central issue in medicine, since the demographic structure is changing and life expectancy is constantly rising.

iLESSYS® approach



Interlaminar Endoscopic Surgical System



iLESSYS®
Interlaminar Endoscopic Surgical System



A

iLESSYS® Pro
Interlaminar Endoscopic Surgical System
in accordance with Dr. C. Hofstetter



B

iLESSYS® Delta
Interlaminar Endoscopic Surgical System



C

D

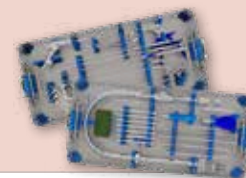
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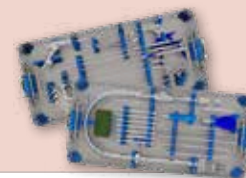


iLESSYS® Instrument Set

A

REF	Description	Dimensions	Pcs.
iLESSYSSH	iLESSYS® Instrument Set	includes Access Tray, Resection Tray and Container	Set
Access Tray			
TDT502550	iLESSYS® Access Tray with Lid	L 550 mm / W 250 mm / H 75 mm	1
WTS127500	Working Tube with Handle, standard Lip	L 124 mm / ID 6.5 mm / OD 7.5 mm	1
WTS127501	Working Tube with handle, wide Lip	L124 mm / ID 6.5 mm / OD 7.5 mm	1
WTS127502	Working Tube with Handle, long Lip	L 124 mm / ID 6.5 mm / OD 7.5 mm	1
WTS127503	Working Tube with Handle, oblique 45°	L 124 mm / ID 6.5 mm / OD 7.5 mm	1
WTS127504	Working Tube with Handle, straight 90°	L 124 mm / ID 6.5 mm / OD 7.5 mm	1
WTS127505	Working Tube with Handle, double Lip	L 124 mm / ID 6.5 mm / OD 7.5 mm	1
WTS127506	Working Tube with Handle, Spoon Lip	L 124 mm / ID 6.5 mm / OD 7.5 mm	1
GRD196315	TESSYS® Guiding Rod, conical with center and excenter bore	L 195 mm / OD 6.3 mm / ID1 1.5 mm / ID2 1.5 mm	1
GRC241025	TESSYS® Guiding Rod, conical, green	L 240 mm / ID 1.0 mm / OD 2.5 mm	1
GRC241540	TESSYS® Guiding Rod, conical, yellow	L 240 mm / ID 1.5 mm / OD 4.0 mm	1
GRC242050	TESSYS® Guiding Rod, conical, red	L 240 mm / ID 2.0 mm / OD 5.2 mm	1
GTC202838	TESSYS® Guiding Tube, conical, green	L 205 mm / ID 2.6 mm / OD 3.9 mm	1
GTC194353	TESSYS® Guiding Tube, conical, yellow	L 195 mm / ID 4.2 mm / OD 5.2 mm	1
GTC185363	TESSYS® Guiding Tube, conical, red	L 185 mm / ID 5.3 mm / OD 6.3 mm	1
TEA252610	Awl, without Handle	L 250 mm / OD 2.6 mm	1
JDA273515	Dissector	WL 275 mm / OD 3.5 mm	1
TECH12121	Multifunctional Palm Handle with Quick-Lock	L 107.5 mm / OD 20.0 mm	1
TRPH25100	Palm Handle	L 100 mm / ID 25 mm	1
JAF180023	Tweezers	L 180 mm / W 2.3 mm	1
SFA253040	Multiflex Holding Arm, for scopes and / or working tubes, standard mounting		1

Optional accessories, not part of the complete set. For more Details see chapter Instruments / Other Instruments



iLESSYS® Instrument Set

A

REF	Description	Dimensions	Pcs.
Resection Tray			
TDT502550F	iLESSYS® Resection Tray	L 550 mm / W 250 mm / H 75 mm	1
THP272545	Punch	WL 275 mm / OD 2.5 mm / JL 5.0 mm, LOPS	1
THF272041	Biopsy Forceps, Spoon, angled	WL 275 mm / OD 2.0 mm / JL 4.0 mm / 45°, LOPS	1
TFG272522U	Semi-Flexible Grasper Forceps, curved, up-biting	WL 275 mm / OD 2.7 mm / Helix 2.5 mm	1
THS272550	Hook Scissor	WL 275 mm / OD 2.5 mm / JL 5.0 mm, LOPS	1
BFS273061	Biopsy Forceps, Blakesley	WL 275 mm / OD 3.5 mm / JL 6.0 mm, LOPS	1
THG272555	Grasper Forceps, Spoon	WL 275 mm / OD 2.5 mm / JL 5.85 mm, LOPS	1
EKS27351540	Endo-Kerrison-Shaft	WL 275 mm / OD 3.5 mm / F 1.5 mm	1
EKS27351590	Endo-Kerrison-Shaft	WL 275 mm / OD 3.5 mm / F 1.5 mm / 90°	1
EKH550000	Endo-Kerrison Pistol Handle	OD 5.5 mm	1
TEFH41025	Handle Endo-Flexprobe 270	L 410 mm / OD 3 mm / ID 2.2 mm	1
TEFP27020	Endo-Flexprobe 270	L 270 mm / OD 2.0 mm	1
Container			
TNC582820R	iLESSYS® DIN-Norm-Container, red Lid	L 580 mm / W 280 mm / H 200 mm	1
Endoscope are not part of the set. Please order separately, see tab Endoscopes			
LS6342125C	iLESSYS® HD Laminoscope, Combo	WL 125 mm / OD 6.3 mm / 30° / WChD 3.7 mm / 2x IC 1.5 mm	1
LS6342125O	iLESSYS® HD Laminoscope, Ocular	WL 125 mm / OD 6.3 mm / 30° / WChD 3.7 mm / 2x IC 1.5 mm	1
Miscellaneous			
JSTC532410	joimax® Sterilization Tray Cover	L 530 mm / W 240 mm	1
TCC150700	Closing Cap for joimax® Endoscopes	OD 15 mm / ID 11 mm / Bore 1 mm	1
JFST061434	Stopper	H 6 mm / OD 14 mm / ID 3.4 mm	1
JFST061427	Stopper	H 6 mm / OD 14 mm / ID 2.7 mm	1
SWTDR6312	Scope Working Tube Distance Ring	for TESSYS® iLESSYS® MultiZYTE®, Scopes OD 6.3 mm	2



iLESSYS® Instrument Set, Pro

REF	Description	Dimensions	Pcs.
iLESSYSPRO	iLESSYS® Pro Instrument Set	includes Access Tray, Resection Tray and Container	Set
Access Tray			
CIH300607	Instrument Holder	WL 230 mm / Cone OD 2 - 6 mm / Pin ID 3.0 mm	1
DEC293511	Curette	WL 295 mm / OD 3.5 mm	1
GRC175073	iLESSYS® Pro Guiding Tube, beveled 45°, edged, red	L 170 mm / ID 5.0 mm / OD 7.3 mm	1
GRC212549	iLESSYS® Pro Guiding Tube, beveled 45°, edged, yellow	L 210 mm / ID 2.5 mm / OD 4.9 mm	1
GRC260024	iLESSYS® Pro Guiding Rod, conical, blunt, green	L 260 mm / OD 2.4 mm	1
GRD187350	iLESSYS® Pro Guiding Rod, conical	L 180mm /ID 5.0mm /OD 7.3mm, longitudinally slotted	1
GRHC607958	iLESSYS® Pro Guiding Rod Handle	L 60 mm / ID 5.9 mm	1
JAF180023	Tweezers	L 183 mm / W 1.8 mm	1
JDA363515	Dissector	WL 360 mm / OD 3.5 mm	1
JFST061427	Stopper	H 6 mm / OD 14 mm / ID 2.7 mm	1
JFST061434	Stopper	H 6 mm / OD 14 mm / ID 3.4 mm	1
JMSDL001	Silicone Sealing Cap for Luer-Lock, blue		1
NHS16000	Needle Holder Scissor	L 160 mm	1
RTFS223746	Reduction Tube for Laminoscopes WCh 4.7 mm	WL 217 mm / ID 3.7 mm / OD 4.6 mm	1
SWTDR7325	Scope Working Tube Distance Ring iLESSYS® Pro	L 25 mm / for Endoscopes with OD 7.3 mm	1
SWTDR7330	Scope Working Tube Distance Ring iLESSYS® Pro	L 30 mm / for Endoscopes with OD 7.3 mm	1
TCC150700	Closing Cap for joimax® Endoscopes	OD 15 mm / ID 11 mm / Bore 1 mm	1
TECH12121	Multifunctional Palm Handle with Quick-Lock	L 107.5 mm / OD 20.0 mm	1
TEE362620	Endo-Elevator blunt, without Handle	L 360 mm / OD 2.6 mm	1
TEFH45025	TESSYS® Endo-Flexprobe Handle	L 460 mm / OD 3 mm / ID 2.2 mm	1
TEFP32020	Endo-Flexprobe, standard	L 320 mm / OD 2.0 mm	1
TNH362630	NiTi Nerve Hook, superelastic	L 395 mm / OD 2.5 mm / JL 3.3 mm	1
WTS12758500	Working Tube with Handle, Short Lip	L 125 mm / ID 7.5 mm / OD 8.5 mm	1
WTS12758530	Working Tube with Handle, oblique 30°	L 125 mm / ID 7.5 mm / OD 8.5 mm	1
WTS12758545	Working Tube with Handle, oblique 45°	L 125 mm / ID 7.5 mm / OD 8.5 mm	1



iLESSYS® Instrument Set, Pro

B

REF	Description	Dimensions	Pcs.
Resection Tray			
BFS273061	Biopsy Forceps, Blakesley	WL 275 mm / OD 3.5 mm / JL 6.0 mm, LOPS	1
EKH550000	Endo-Kerrison Pistol Handle	OD 5.5 mm	1
EKS27303040	Endo-Kerrison-Shaft	WL 275 mm / OD 3.0 mm / F 3.0 mm / 40°	1
EKS27303040CU	Endo-Kerrison-Shaft	WL 275 mm / OD 3.0 mm / F 3.0 mm / 40° / curved	1
EKS27351540	Endo-Kerrison-Shaft	WL 275 mm / OD 3.5 mm / F 1.5 mm / 40°	1
EKS27404040	Endo-Kerrison-Shaft	WL 275 mm / OD 4.0 mm / F 4.0 mm / 40	1
TFG272522U	Semi-Flexible Grasper Forceps, curved, up-biting	WL 275 mm / OD 2.7 mm / Helix 2.5 mm	1
TFG323021	TESSYS® Grasper Forceps, 2-1 toothing	WL 320 mm / OD 3.0 mm / JL 4.8 mm / LOPS	1
THF272041	Biopsy Forceps, Spoon, angled	WL 275 mm / OD 2.0 mm / JL 4.0 mm / 45°, LOPS	1
THF272541	Biopsy Forceps, Spoon	WL 275 mm / OD 2.5 mm / JL 4.0 mm, LOPS	1
THG272555	Grasper Forceps, Spoon	WL 275 mm / OD 2.5 mm / JL 5.85 mm, LOPS	1
THP322545	Punch	WL 320 mm / OD 2.5 mm / JL 5.0 mm, LOPS	1
THP322555	Punch, jaw angled	WL 320 mm / OD 2.5 mm / JL 5.0 mm, 12.5°, LOPS	1
THP323545	Punch	WL 320 mm / OD 3.5 mm / JL 6.0 mm, LOPS	1
Miscellaneous			
IPT5324751	iLESSYS® Pro Sterilization Tray for Instruments	Access Tray L 530 mm / W 240 mm / H 75 mm	1
IPT5324752	iLESSYS® Pro Sterilization Tray for Instruments	Resection Tray L 530 mm / W 240 mm / H 75 mm	1
JIPD10000	Serial Number Set, two parts	Serial number labeling according to order	1
JSTC532410	joimax® Sterilization Tray Cover	L 530 mm / W 240 mm	1
SFA253040	Multiflex Holding Arm	for Scopes and / or Working Tubes, standard mounting	1
TNC582820R	iLESSYS® DIN-Norm-Container, red Lid	L 580 mm / W 280 mm / H 200 mm	1
Endoscope are not part of the set. Please order separately, see tab Endoscopes			
LS7347150C	iLESSYS® Pro FHD Laminoscope (4.7 WCh), Combo	WL 150 mm / OD 7.3 mm / 15° / WChD 4.7 mm / 2 x IC 1.5 mm	1
LS7347150O	iLESSYS® Pro FHD Laminoscope (4.7 WCh), Ocular	WL 150 mm / OD 7.3 mm / 15° / WChD 4.7 mm / 2 x IC 1.5 mm	1



iLESSYS® Delta Instrument Set

REF	Description	Dimensions	Pcs.
iLESSYSDL	iLESSYS® Delta Instrument Set	includes Access Tray, Resection Tray and Container	Set
Access Tray			
DEC264511	Curette	WL 260 mm / OD 4.5 mm	1
DEE264519C	Endo-Elevator blunt	WL 260 mm / OD 4.5 mm / JL 19 mm	1
GTC151510	Guiding Tube, conical, violet	L 155 mm / ID 10.1 mm / OD 14.9 mm	1
GTC177010	Guiding Tube, conical, red	L 170 mm / ID 7 mm / OD 10 mm	1
GTC194069	Guiding Tube, conical, yellow	L 185 mm / ID 4 mm / OD 6.9 mm	1
GTC202838	TESSYS® Guiding Tube, conical, green	L 205 mm / ID 2.6 mm / OD 3.9 mm	1
JDA243515	Dissector	WL 240 mm / OD 3.5 mm	1
JFST061445	Stopper	H 6 mm / OD 14 mm / ID 4.5 mm	1
JMSDL001	Silicone Sealing Cap for Luer-Lock, blue		1
NHS16000	Needle Holder Scissor	L 160 mm	1
RTID204659	Reduction Tube for Laminoscope Delta	L 200 mm / OD 5.95 mm / ID 4.6 mm	1
SWTDR1009	Scope Working Tube Distance Ring iLESSYS® Delta	for Endoscopes with OD 10 mm	1
TEA212503	Awl, without Handle	L 210 mm / OD 2.5 mm	1
TECH12121	Multifunctional Palm Handle with Quick-Lock	L 107.5 mm / OD 20.0 mm	1
TEE263020	Endo-Elevator blunt, without Handle	L 260 mm / OD 3.0 mm	1
TEFH41025	Handle Endo-Flexprobe 270	L 410 mm / OD 3 mm / ID 2.2 mm	1
TEFP27020	Endo-Flexprobe 270	L 270 mm / OD 2.0 mm	1
TMH200170B	Metal Hammer	200 g / L 200 mm / blue cap	1
TNH262548	NiTi Nerve Hook, superelastic	WL 260 mm / OD 2.5 mm / JL 4.8 mm	1
TRPH25100	Palm Handle	L 104 mm / ID 25 mm	1
WTA901300.1	Working Tube, Handle, iLESSYS Delta	L 7 mm / ID 14 mm / OD 22 mm	1
WTA901300.2	Working Tube, Adapter, iLESSYS DELTA	L 31 mm / ID 10.2 mm / OD 22 mm	1
WTA901300.S	iLESSYS® Delta Working Tube, Adapter short	L 11 mm / ID 10.2 mm / OD 22 mm	1
WTS121602	Working Tube with handle, long lip	L 132 mm / ID 15 mm / OD 16 mm	1
WTS901300	Working Tube Shaft, Standard Lip, iLESSYS® DELTA	L 91mm / ID 10.2mm / OD 13.7mm, radiolucent	1
WTS901300.3	Working Tube Shaft, Standard Lip, iLESSYS® DELTA	L 91 mm / ID 10.2 mm / OD 13.7 mm, stainless steel	1
WTS901304	Working Tube Shaft, straight 90°, iLESSYS® DELTA	L 91mm / ID 10.2mm / OD 13.7mm, radiolucent	1
WTS901304.3	Working Tube Shaft, straight 90°, iLESSYS® DELTA	L 91 mm / ID 10.2 mm / OD 13.7 mm, stainless steel	1



iLESSYS® Delta Instrument Set

REF	Description	Dimensions	Pcs.
Resection Tray			
EKH550000	Endo-Kerrison Pistol Handle	OD 5.5 mm	1
EKS244090CU	Endo-Kerrison-Shaft, 90°	WL 240 mm / OD 4.0 mm / F 4.0 mm / curved	1
EKS24551540	Endo-Kerrison-Shaft	WL 240 mm / OD 5.5 mm / F 1.5 mm / 40°	1
EKS24551590	Endo-Kerrison-Shaft	WL 240 mm / OD 5.5 mm / F 1.5 mm / 90°	1
EKS24553040	Endo-Kerrison-Shaft	WL 240 mm / OD 5.5 mm / F 3.0 mm / 40°	1
EKS24553090	Endo-Kerrison-Shaft	WL 240 mm / OD 5.5 mm / F 3.0 mm / 90°	1
JFG243570U	Semi-Flexible Grasper Forceps, curved, upbiting	WL 240 mm/OD 3.5 mm/ Helix 2.9 mm	1
JGF244590	Spoongrasper Forceps	WL 240 mm / OD 4.5 mm / JL 9.0 mm / LOPS	1
JHP244580	Hook Punch	WL 240 mm/OD 4.5 mm/JL 8.0 mm, LOPS	1
JHS243545	Hook Scissor	WL 240 mm/OD 3.5 mm/JL 4.5 mm, LOPS	1

Miscellaneous

SFA253040	Multiflex Holding Arm	for Scopes and / or Working Tubes, standard mounting	1
JSTC532410	joimax® Sterilization Tray Cover	L 530 mm / W 240 mm	1
TCC150700	Closing Cap for joimax® Endoscopes	OD 15 mm / ID 11 mm / Bore 1 mm	1
TCC200801	Closing Cap for joimax® endoscopes	OD 20.0 mm, thickness: 8 mm, press cut: 8 mm	1
TDT502550DL	iLESSYS® DELTA Access Tray	L 550 mm / W 250 mm / H 75 mm	1
TDT502550DLF	iLESSYS® DELTA Resection Tray	L 550 mm / W 250 mm / H 75 mm	1
JIPD10000	Serial Number Set, two parts	Serial number labeling according to order	1
TNC582820R	iLESSYS® DIN-Norm-Container, red Lid	L 580 mm / W 280 mm / H 200 mm	1

Endoscope are not part of the set. Please order separately, see tab Endoscopes

LS1006125C	iLESSYS® Delta FHD Laminoscope (6.0 WCh), combo	WL 125 mm / OD 10.0 mm / 15° / WChD 6.0 mm / 2x IC 2.0 mm	1
LS1006125O	iLESSYS® Delta FHD Laminoscope (6.0 WCh), ocular	WL 125 mm / OD 10.0 mm / 15° / WChD 6.0 mm / 2x IC 2.0 mm	1



CESSYS® *Ventral*
Cervical Endoscopic Surgical System
CESSYSANT - Round Working Tubes



A

CESSYS® *Ventral*
Cervical Endoscopic Surgical System
CESSYSANT02 - Oval Working Tubes



B

CESSYS® *Dorsal*
Cervical Endoscopic Surgical System



C

D

E

F

G

H

I



CESSYS® – anterior lateral access for cervical disc herniation treatment

The **CESSYS®** technique utilizes a direct, ventral approach to the intervertebral disc of the cervical spine. Under endoscopic control the compressive disc material can then be targeted and removed.

Advantages

The procedure is minimally invasive and gentle

- > The disc is preserved along with the natural structure of the spinal segment
- > No implant, so no associated implant failure risk
- > The ventral approach avoids any spinal cord manipulation
- > Shorter recovery
- > Very small incision for cosmetically good results

This procedure can be performed with the patient under general anesthesia or monitored anesthesia care (MAC). MAC greatly reduces the risks associated with general anesthesia and has the added benefit of immediate patient feedback if contact is made with the neural structures. This procedure is performed with the patient in the supine position.

Surgical indications for cervical disc herniation

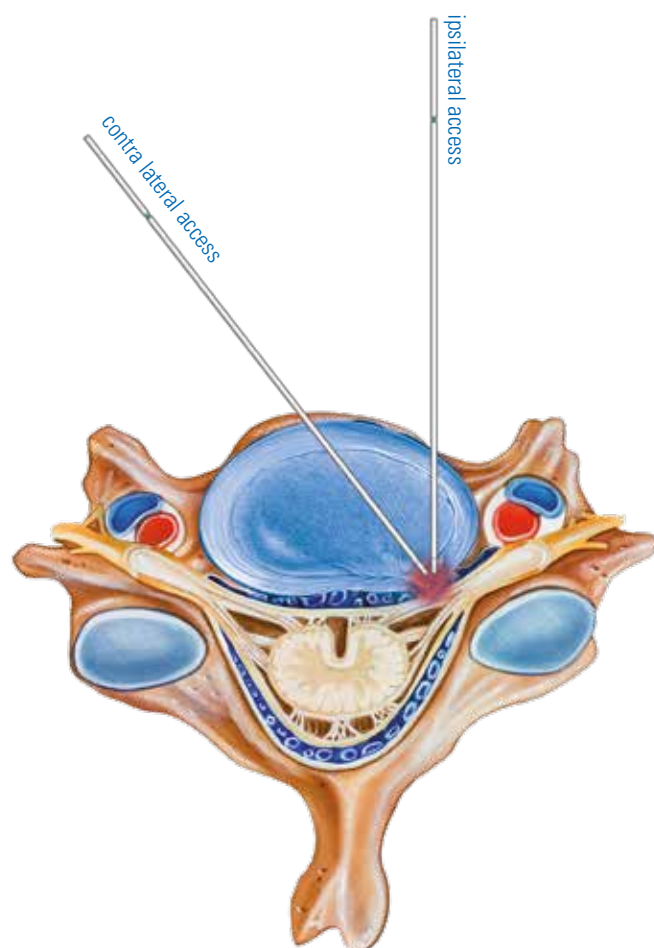
Cervical nerve root compression with or without significant neurological deficit and failure of conservative treatment measures.

Radiographic indications

Soft disc herniations which are clearly visible on computed tomography (CT) or magnetic resonance imaging (MRI).

Contraindications

- > Dried or sequestered disc herniations
- > Significant ossification of the posterior longitudinal ligament (PLL)
- > Stenosis on several levels
- > Acute cervical spondylosis / cervical spondylolisthesis
- > Segmental instability
- > Other pathological conditions such as: fractures, tumors or active infections
- > Advanced spondylosis
- > Disc height less than 4 mm
- > Any hindrance of radiographic visualization during the procedure, for example at C6/7 or C7/Th1 or very short neck

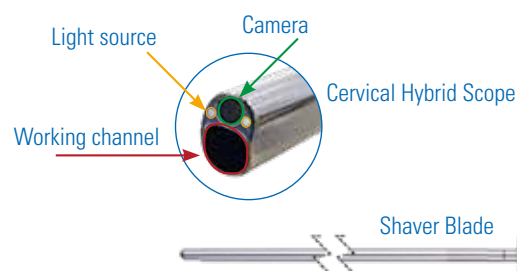




CESSYS® Instrument Set

A

REF	Description	Dimensions	Pcs.
CESSYSANT	CESSYS® Ventral Instrument Set		
BHR4137	Ball Handle for Reamer	Quick-Lock -System	1
CBF222020U	Biopsy Forceps, Spoon, up-biting	WL 215 mm / OD 2.0 mm / JL 2.0 mm, LOPS	1
CCR152039	CESSYS® Crown Dilator, red	L 158 mm / ID 2.1 mm / OD 3.9 mm	1
CCR251020	CESSYS® Endoscopic Crown Dilator, yellow	L 258 mm / ID 1.0 mm / OD 2.0 mm	1
CEC222028	Curette	L 220 mm / OD 2.0 mm	1
CFG212035U	Semi-Flexible Grasper Forceps, curved, up-biting	WL 215 mm / OD 2.0 mm / JL 2.5 mm	1
CGF222020U	Grasper Forceps, up-biting	WL 215 mm / OD 2.0 mm / JL 2.0 mm, LOPS	1
CGT152039	Guiding Tube, conical, red	L 150 mm / ID 2.1 mm / OD 3.9 mm	1
CGT201020	Guiding Tube, conical, yellow	L 200 mm / ID 1.0 mm / OD 2.0 mm	1
CH402100C	CESSYS® FHD Cervical Hybrid Scope, combo	WL 100 mm / OD 2.6 mm / 3.9 mm / WChD 2.1 mm / 9°	1
CIH300607	Instrument Holder	WL 230 mm / Cone OD 2 - 6 mm / Pin ID 3.0 mm	1
CMH150170	CESSYS® Metal Hammer	150 g / L 170 mm / blue cap	1
CNH231512	Examining Hook	L 221 mm / OD 2.0 mm	1
CTP222040	Eagle Hook Punch	WL 215 mm / OD 2.0 mm / JL 4.0 mm / LOPS	1
CWT104803	CESSYS® Working Tube with handle, fenestrated 45°	L 98 mm / ID 4.0 mm / OD 4.8 mm	1
CWT104804	CESSYS® Working Tube with handle, conical	L 97.6 mm / ID 4.0 mm / OD 4.8 mm	1
CWT104805	CESSYS® Working Tube with handle, fenestrated doub	L 98 mm / ID 4.0 mm / OD 4.8 mm	1
JFST061427	Stopper	H 6 mm / OD 14 mm / ID 2.7 mm	1
JIPS10000	Serial Number Set, one part	Serial number labeling according to order	1
JSTC532410	joimax® Sterilization Tray Cover	L 530 mm / W 240 mm	1
SJP132714	Hook Punch with Scoop	L 130 mm / OD 2.7 mm / JL 5 mm, LOPS	1
SJP132761	Tissue Punch Blakesley	L 130 mm / OD 2.7 mm / JL 6 mm, LOPS	1
TCC04010	Closing Cap for Endoscopes, blue	OD 10.0 mm / ID 5.0 mm / Bore 1.0 mm	1





CESSYS® Instrument Set

REF	Description	Dimensions	Pcs.
CESSYSANT02	CESSYS® Ventral Instrument Set		
Instruments			
CCR251020	CESSYS® Endoscopic Crown Dilator, yellow	L 258 mm / ID 1.0 mm / OD 2.0 mm	1
CGT201020	Guiding Tube, conical, yellow	L 200 mm / ID 1.0 mm / OD 2.0 mm	1
GRT243515 R	Guiding Tube, oval	L 150 mm / ID 2.1 mm / OD 2.8 x 4.3 mm	1
CWT104703 R	CESSYS® Oval Working Tube w/ Handle, fenestra. 45°	WL 98 mm / OD 3.5 mm x 5.0 mm / ID 2.9 mm x 4.4 mm	1
CWT104704 R	CESSYS® Oval Working Tube w/ Handle, fenestra. 90°	WL 98 mm / OD 3.5 mm x 5.0 mm / ID 2.9 mm x 4.4 mm	1
CMH150170	CESSYS® Metal Hammer	150 g / L 170 mm / blue cap	1
CNH231512	Examining Hook	L 221 mm / OD 2.0 mm	1
CEC222028	Curette	L 220 mm / OD 2.0 mm	1
CIH300607	Instrument Holder	WL 230 mm / Cone OD 2 - 6 mm / Pin ID 3.0 mm	1
SJP132761	Tissue Punch Blakesley	L 130 mm / OD 2.7 mm / JL 6 mm, LOPS	1
SJP132714	Hook Punch with Scoop	L 130 mm / OD 2.7 mm / JL 5 mm, LOPS	1
CTP222040	Eagle Hook Punch	WL 215 mm / OD 2.0 mm / JL 4.0 mm / LOPS	1
CBF222020U	Biopsy Forceps, Spoon, up-biting	WL 215 mm / OD 2.0 mm / JL 2.0 mm, LOPS	1
CFG212035U	Semi-Flexible Grasper Forceps, curved, up-biting	WL 215 mm / OD 2.0 mm / JL 2.5 mm	1
CGF222020U	Grasper Forceps, up-biting	WL 215 mm / OD 2.0 mm / JL 2.0 mm, LOPS	1
JFST061427	Stopper	H 6 mm / OD 14 mm / ID 2.7 mm	2
BHR4137	Ball Handle for Reamer	Quick-Lock -System	1
TCC04010	Closing Cap for Endoscopes, blue	OD 10.0 mm / ID 5.0 mm / Bore 1.0 mm	2
Endoscope			
CH402100C	CESSYS® FHD Cervical Hybrid Scope, combo	WL 100 mm / OD 2.6 mm / 3.9 mm / WChD 2.1 mm / 9°	1
Miscellaneous			
CIT542690	CESSYS® Sterilization Tray	L 540 mm / W 260 mm / H 90 mm	1
CNC582814Y	CESSYS® DIN-Norm-Container, gold Lid	L 580 mm / W 280 mm / H 135 mm	1
JIPS10000	Serial Number Set, one part	Serial number labeling according to order	1
JSTC532410	joimax® Sterilization Tray Cover	L 530 mm / W 240 mm	1



CESSYS® Instrument Set

REF	Description	Dimensions	Pcs.
CESSYSDORS	CESSYS® Dorsal Instrument Set		
Access Tray			
CDST5324751	CESSYS® Dorsal Sterilization Tray for Instruments	Access Tray, L 530 mm / W 240 mm / H 75 mm	1
CDST5324752	CESSYS® Dorsal Sterilization Tray for Instruments	Resection Tray, L 530 mm / W 240 mm / H 75 mm	1
CIH300607	Instrument Holder	WL 230 mm / Cone OD 2 - 6 mm / Pin ID 3.0 mm	1
DEC243511	Curette	WL 240 mm / OD 3.50 mm	1
GRC115073	CESSYS® Dorsal Guiding Tube, beveled 45°, edged, red	L 110 mm / OD 7.30 mm / ID 5.0 mm	1
GRC142549	CESSYS® Dorsal Guiding Tube, beveled 45°, edged, yellow	L 145 mm / OD 4.90 mm / ID 2.50 mm	1
GRC180024	CESSYS® Dorsal Guiding Rod, conical, blunt, green	L 180 mm / OD 2.4 mm	1
JAF180023	Tweezers	L 183 mm / W 1.8 mm	1
JDA243516	Dissector	WL 240 mm / OD 3.50 mm	1
JFST061427	Stopper	H 6 mm / OD 14 mm / ID 2.7 mm	1
JFST061434	Stopper	H 6 mm / OD 14 mm / ID 3.4 mm	1
JMSDL001	Silicone Sealing Cap for Luer-Lock, blue	WL 230 mm / Cone OD 2 - 6 mm / Pin ID 3.0 mm	1
NHS16000	Needle Holder Scissor	L 160 mm	1
RTLS143746	Reduction Tube for Laminoscopes WCh 4.7 mm	WL 145 mm / ID 3.7 mm / OD 4.6 mm	1
TCC150700	Closing Cap for joimax® Endoscopes	OD 15 mm / ID 11 mm / Bore 1 mm	1
TECH12121	Multifunctional Palm Handle with Quick-Lock	L 107.5 mm / OD 20.0 mm	1
TEE242620	Endo-Elevator blunt, without Handle	WL 240 mm / OD 2.6 mm	1
TEFH41025	Handle Endo-Flexprobe 270	L 410 mm / OD 3 mm / ID 2.2 mm	1
TEFP27020	Endo-Flexprobe 270	L 270 mm / OD 2.0 mm	1
TNH242530	NiTi Nerve Hook, superelastic	WL 240 mm / OD 2.5 mm	1
WTS65758545	CESSYS® Dorsal Working Tube w. Handle, oblique 45°	L 65 mm / OD 8.50 mm / ID 7.50 mm	1
WTS68758500	CESSYS® Dorsal Working Tube with Handle, Short Lip	L 68 mm / OD 8.50 mm / ID 7.50 mm	1
WTS68758530	CESSYS® Dorsal Working Tube w. Handle, oblique 30°	L 68 mm / OD 8.50 mm / ID 7.50 mm	1



CESSYS® Instrument Set

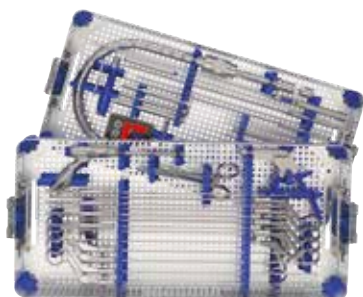
REF	Description	Dimensions	Pcs.
Resection Tray			
BFS243561	Biopsy Forceps, Blakesley	WL 240 mm / OD 3.5 mm / JL 6.0 mm / LOPS	1
EKH550000	Endo-Kerrison Pistol Handle	OD 5.5 mm	1
EKS24303040	Endo-Kerrison Shaft	WL 240 mm / OD 3.0 mm / FP 3.0 mm / 40°	1
EKS24303040CU	Endo-Kerrison Shaft	WL 240 mm / OD 3.0 mm / FP 3.0 mm / 40° / curved	1
EKS24351540	Endo-Kerrison Shaft	WL 240 mm / OD 3.5 mm / FP 1.5 mm / 40°	1
EKS24404040	Endo-Kerrison Shaft	WL 240 mm / OD 4.0 mm / FP 4.0 mm / 40°	1
TFG242522U	Semi-Flexible Grasper Forceps, curved, up-biting	WL 240 mm / OD 2.7 mm / Helix 2.5 mm	1
TFG243021	Grasper Forceps, 2-1 toothing	WL 240 mm / OD 3.0 mm / JL 4.8 mm / LOPS	1
THF242041	Biopsy Forceps, Spoon, angled	WL 240mm / OD 2.5mm / JL 4.0mm / 45° angled / LOPS	1
THF242541	Biopsy Forceps, Spoon	WL 240 mm / OD 2.5 mm / JL 4.0 mm / LOPS	1
THG242555	Grasper Forceps, Spoon	AL 240mm / AD 2,5 mm / ML 5,8 mm / LOPS	1
THP242545	Punch, straight	WL 240mm / OD 2.5mm / FP 2.5mm / JL 5.0mm / LOPS	1
THP242555	Punch	WL 240mm / OD 2.5mm / FP 2.5mm / JL 5.0mm / 12.5° / LOPS	1
THP243545	Punch, straight	WL 240mm / OD 3.5mm / FP 3.5mm / JL 6.0mm / LOPS	1

Miscellaneous

CIT542690	CESSYS® Sterilization Tray	L 540 mm / W 260 mm / H 90 mm	1
CNC582814Y	CESSYS® DIN-Norm-Container, gold Lid	L 580 mm / W 280 mm / H 135 mm	1
JSTC532410	joimax® Sterilization Tray Cover	L 530 mm / W 240 mm	1
SFA253040	Multiflex Holding Arm	for Scopes and / or Working Tubes, standard mounting	1
TNC582820Y	CESSYS® Dorsal DIN-Norm-Container, yellow Lid	L 580 mm / W 280 mm / H 200 mm	1

Endoscope

LS7347068C	CESSYS® Dorsal FHD Laminoscope (4.7 WCh), combo	WL 68 mm / OD 7.3 mm / 15° / WChD 4.7 mm / 2 x IC 1.5 mm	1
LS7347068O	CESSYS® Dorsal FHD Laminoscope (4.7 WCh), ocular	WL 68 mm / OD 7.3 mm / 15° / WChD 4.7 mm / 2 x IC 1.5 mm	1



CESSYS® Instrument Set



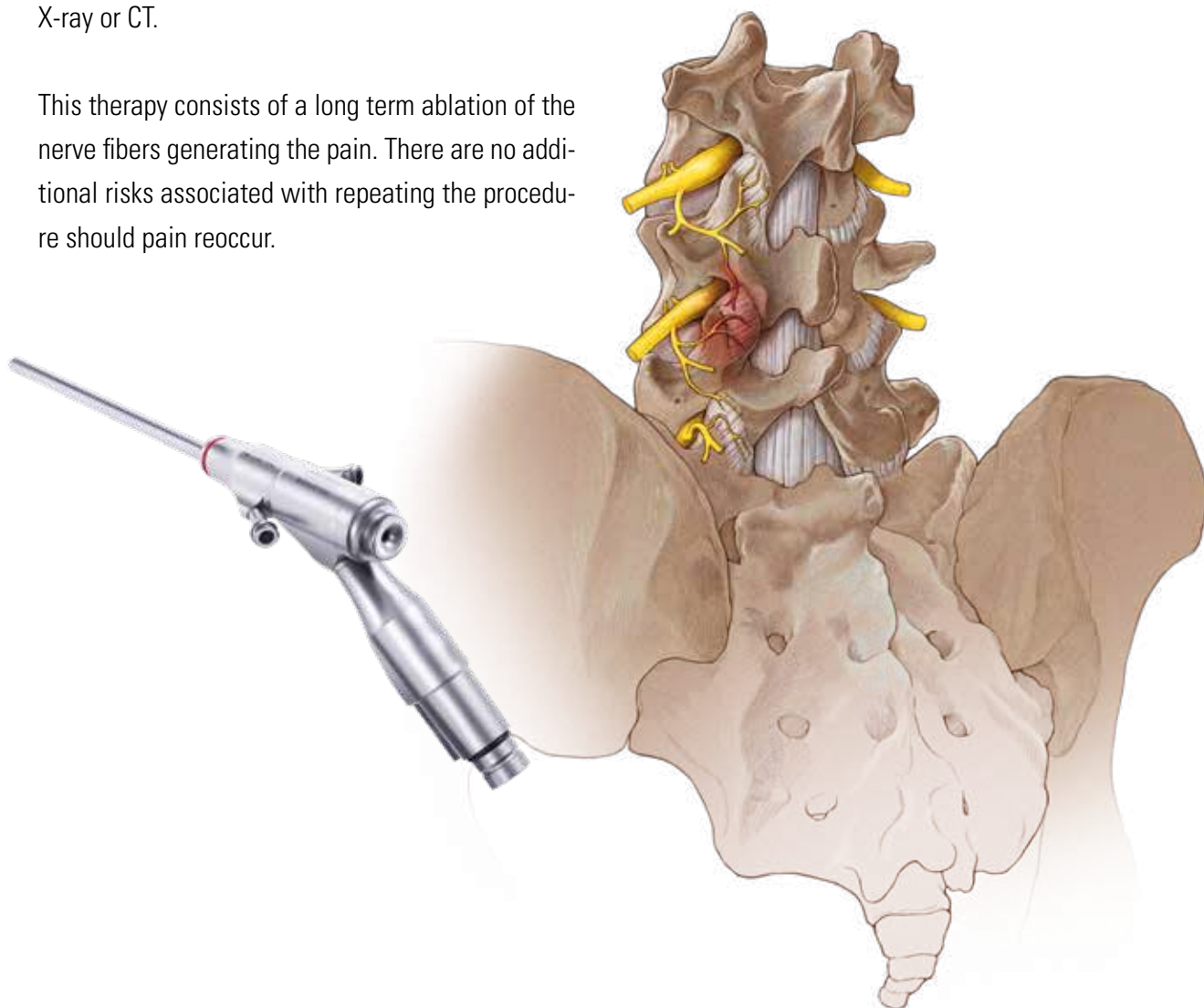
Endoscopic Facet Joint Treatment

In our aging societies back pain diseases are wide spread and common diseases. The differential diagnosis of facet joint pain is even more common amongst other diagnosed back pain causes. The endoscopic access to the facet joints is a true minimally invasive method. In one intervention, the cause of the pain can be determined by locating the inflamed nerve, followed by the immediate implementation of the required treatment. The use of the endoscopic view can reduce radiation exposure from other real time imaging techniques such as X-ray or CT.

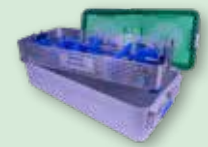
This therapy consists of a long term ablation of the nerve fibers generating the pain. There are no additional risks associated with repeating the procedure should pain reoccur.

Indications

- > Chronic low back pain
- > Facet joint hypertrophy
- > Facet joint arthritis
- > Failed back syndrome
- > Sciatica
- > Whiplash syndrome



MultiZYTE®

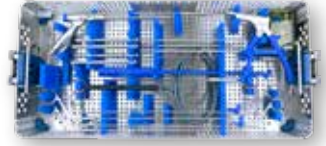


MultiZYTE®
Endoscopic **Facet and Sacroiliac Joint Treatment Set**



A

MultiZYTE® *Facet Cervical*
Endoscopic **Facet and Sacroiliac Joint Treatment Set**



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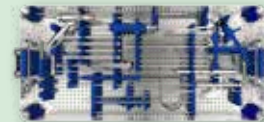
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MultiZYTE® Full Version Instrument Set

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REF	Description	Dimensions	Pcs.
MUSCFV	MultiZYTE® Full Version Instrument Set		1
Instruments			
BFS273061	Biopsy Forceps, Blakesley	WL 275 mm / OD 3.5 mm / JL 6.0 mm, LOPS	1
CMH150170	CESSYS® Metal Hammer	150 g / L 170 mm / blue cap	1
EKH550000	Endo-Kerrison Pistol Handle	OD 5.5 mm	1
EKS27351540	Endo-Kerrison-Shaft	WL 275 mm / OD 3.5 mm / F 1.5 mm / 40°	1
EKS27351590	Endo-Kerrison-Shaft	WL 275 mm / OD 3.5 mm / F 1.5 mm / 90°	1
GRC241025	TESSYS® Guiding Rod, conical, green	L 240 mm / ID 1.0 mm / OD 2.5 mm	1
GRC241540	TESSYS® Guiding Rod, conical, yellow	L 240 mm / ID 1.5 mm / OD 4.0 mm	1
GRC242050	TESSYS® Guiding Rod, conical, red	L 240 mm / ID 2.1 mm / OD 5.2 mm	1
GRD196315	Guiding Rod, conical with center + excenter bore	L 195 mm / OD 6.3 mm / ID1 1.5 mm / ID2 1.5 mm	1
GTC185363	TESSYS® Guiding Tube, conical, red	L 185 mm / ID 5.3 mm / OD 6.3 mm	1
GTC194353	TESSYS® Guiding Tube, conical, yellow	L 195 mm / ID 4.2 mm / OD 5.2 mm	1
GTC202838	TESSYS® Guiding Tube, conical, green	L 205 mm / ID 2.6 mm / OD 3.9 mm	1
JAF180023	Tweezers	L 183 mm / W 1.8 mm	1
JDA273515	Dissector	L 275 mm / OD 3.5 mm	1
JFST061427	Stopper	H 6 mm / OD 14 mm / ID 2.7 mm	1
JFST061434	Stopper	H 6 mm / OD 14 mm / ID 3.4 mm	1
JMSDL001	Silicone Sealing Cap for Luer-Lock, blue		1
NHS16000	Needle Holder Scissor	L 160 mm	1
SWTDR6311	Scope Working Tube Distance Ring MultiZYTE®	for MultiZYTE® Endoscopes with OD 6.3 mm	1
TCC150700	Closing Cap for joimax® Endoscopes	OD 15 mm / ID 11 mm / Bore 1 mm	1
TEFH41025	Handle Endo-Flexprobe 270	L 410 mm / OD 3 mm / ID 2.2 mm	1
TEFP27020	Endo-Flexprobe 270	L 270 mm / OD 2.0 mm	1
THG272555	Grasper Forceps, Spoon	WL 275 mm / OD 2.5 mm / JL 5.85 mm, LOPS	1
THP272545	Punch	WL 275 mm / OD 2.5 mm / JL 5.0 mm, LOPS	1
THS272550	Hook Scissor	WL 275 mm / OD 2.5 mm / JL 5.0 mm, LOPS	1
WTS127500	Working Tube with Handle, standard Lip	L 124 mm / ID 6.5 mm / OD 7.5 mm	1
WTS127503	Working Tube with Handle, oblique 45°	L 124 mm / ID 6.5 mm / OD 7.5 mm	1
WTS127505	Working Tube with Handle, double Lip	L 124 mm / ID 6.5 mm / OD 7.5 mm	1
WTS127507	Working Tube with handle	L 125 mm / ID 6.5 mm / OD 7.5 mm	1



MultiZYTE® Full Version Instrument Set

A

REF	Description	Dimensions	Pcs.
Accessories			
JMPH352504	Legato® Hand Piece, monopolar	Plug Valleylab / Endovapor®2, Cable L 3.5 m	1
Miscellaneous			
JSTC532410	joimax® Sterilization Tray Cover	L 530 mm / W 240 mm	1
MUT552575S	MultiZYTE® SI Sterilization Tray for Instruments	L 550 mm / W 250 mm / H 75 mm	1
TNC582814G	MultiZYTE® DIN-Norm-Container, with green Lid	L 580 mm / W 280 mm / H 135 mm	1
Endoscope are not part of the set. Please order separately, see tab Endoscopes			
LS6342125C	iLESSYS® FHD Laminoscope (3.7 WCh), combo	WL 125 mm / OD 6.3 mm / 30° / WChD 3.7 mm / 2x IC 1.5 mm	1
LS63421250	iLESSYS® FHD Laminoscope (3.7 WCh), ocular	WL 125 mm / OD 6.3 mm / 30° / WChD 3.7 mm / 2x IC 1.5 mm	1



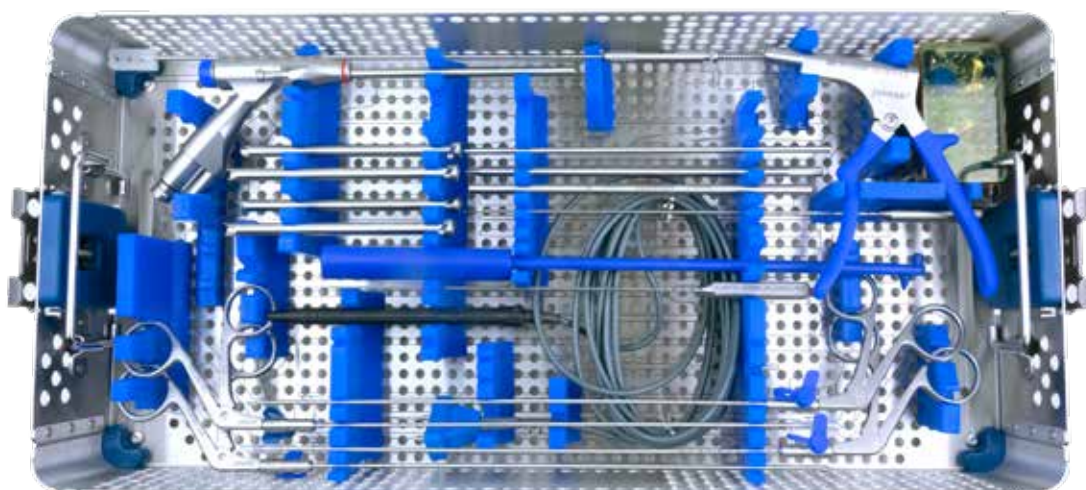
MultiZYTE® Facet Cervical Instrument Set

REF	Description	Dimensions	Pcs.
MUSCER	MultiZYTE® Facet Cervical Instrument Tray		1
Instruments			
GRC201238	Guiding Rod, conical	L 200 mm / ID 1.2 mm / OD 3.8 mm	1
GTC184055	Guiding Tube, conical	L 185 mm / ID 4.0 mm / OD 5.8 mm	1
GRD205610	Guiding Rod, conical with 2 excenter bores	L 200 mm / OD 5.8 mm / ID 1.0 mm	1
WTT127003	Working Tube Thorax with Handle, oblique 45°	L 121 mm / ID 6.0 mm / OD 7.0 mm	1
WTS127004	Working Tube with Handle, straight 90°	L 124 mm / ID 6.0 mm / OD 7.0 mm	1
WTS127005	Working Tube with Handle, double Lip	L 124 mm / ID 6.0 mm / OD 7.0 mm	1
WTS127007	Working Tube with Handle	L 124 mm / ID 6.0 mm / OD 7.0 mm	1
THF272541	Biopsy Forceps, Spoon	WL 275 mm / OD 2.5 mm / JL 4.0 mm, LOPS	1
THS272550	Hook Scissor	WL 275 mm / OD 2.5 mm / JL 5.0 mm, LOPS	1
THP272545	Punch	WL 275 mm / OD 2.5 mm / JL 5.0 mm, LOPS	1
THG272555	Grasper Forceps, Spoon	WL 275 mm / OD 2.5 mm / JL 5.85 mm, LOPS	1
EKH550000	Endo-Kerrison Pistol Handle	OD 5.5 mm	1
EKS27303040	Endo-Kerrison-Shaft	WL 275 mm / OD 3.0 mm / F 3.0 mm / 40°	1
CEE232015	Elevator	L 230 mm / OD 2.0 mm	1
CNH231512	Examining Hook	L 221 mm / OD 2.0 mm	1
CIH300607	Instrument Holder	WL 230 mm / Cone OD 2 - 6 mm / Pin ID 3.0 mm	1
TCC150700	Closing Cap for joimax® Endoscopes	OD 15 mm / ID 11 mm / Bore 1 mm	1
JMSDL001	Silicone Sealing Cap for Luer-Lock, blue		2
JFST061427	Stopper	H 6 mm / OD 14 mm / ID 2.7 mm	2
SWTDR5812	Scope Working Tube Distance Ring MultiZYTE®	for MultiZYTE® Endoscopes with OD 5.8 mm	2



MultiZYTE® Facet Cervical Instrument Set

REF	Description	Dimensions	Pcs.
Endoscopes optional			
LS6342125C	iLESSYS® FHD Laminoscope (3.7 WCh), combo	WL 125 mm /OD 6.3mm /30°/ WChD 3.7mm /2x IC 1.5mm	1
LS63421250	iLESSYS® FHD Laminoscope (3.7 WCh), ocular	WL 125 mm /OD 6.3mm /30°/ WChD 3.7mm /2x IC 1.5mm	1
Accessories optional			
JBPH352505	Legato® Hand Piece, bipolar	Plug Endovapor®, Cable L 3.5 m	1
JBPH352506	Legato® Hand Piece, bipolar	Plug Endovapor®2, Cable L 3.5 m	1
Miscellaneous			
MUT552575S	MultiZYTE® SI Sterilization Tray for Instruments	L 550 mm / W 250 mm / H 75 mm	1
TNC582814G	MultiZYTE® DIN-Norm-Container, with green Lid	L 580 mm / W 280 mm / H 135 mm	1
JIPS10000	Serial Number Set, one part	Serial number labeling according to order	1
JSTC532410	joimax® Sterilization Tray Cover	L 530 mm / W 240 mm	1





Interventional Endoscopic Nucleus Therapy Set

intENTS® is a percutaneous nucleus therapy (PNT) set designed as a minimally invasive intradiscal decompression treatment option. The purpose of PNT is to reduce the volume of the nucleus pulposus, in order to achieve decompression of the radicular nerves. Volume reduction of the nucleus tissue is accomplished by vaporization using a bipolar RF Probe, **Vaporflex®** or mechanically, using forceps or tissue Shaver Blades. This procedure can be executed under local anesthesia and on an out-patient basis.

Options for Nucleus volume reducton

- > Using biopsy forceps for histology
- > A special feature of the RF Probe **Vaporflex®** is the flexible tip that allows for a good decompression of the disc herniation, denervation of nociceptors and easy treatment of the dorsal annulus.
- > Using the **Shrill®** Blades aids with the quick removal of nucleus tissue.

Indications and persistent clinical symptoms

- > Protrusion of an intervertebral disc (bulging disc)
- > Prolapse of intervertebral disc without complete rupture of the annulus fibrosus (contained herniated disc)
- > Symptomatic discogenic pain (potentially generated by annular fissures)
- > Persisting disc protrusion

Bulging Disc ...



... within the annulus



... within the outer annulus layer



... contained prolapse

Interventional Endoscopic Nucleus Therapy Set



intENTS® Lumbar
Interventional Endoscopic Nucleus Therapy Set



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intENTS® Cervical
Interventional Endoscopic Nucleus Therapy Set



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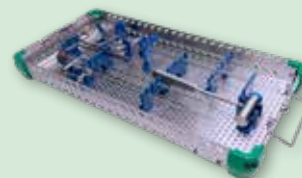
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intENTS® Instrument Set

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REF	Description	Dimensions	Pcs.
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Tray

intENTS01	intENTS® Instrument Set		Set
GRC241025	TESSYS® Guiding Rod, conical, green	L 240 mm / ID 1.0 mm / OD 2.5 mm	1
GTC202838P	Guiding Tube, conical, green	L 205 mm / ID 2.8 mm / OD 3.8 mm	1
TMH200170B	Metal Hammer	200 g / L 200 mm / blue cap	1
GRF182500	TESSYS® Guiding Rod Forceps	WL 180 mm / bore for 2.5 mm and 4.0 mm guiding rod	1
THF272541	Biopsy Forceps, Spoon	WL 275 mm / OD 2.5 mm / JL 4.0 mm, LOPS	1
TFG272522U	Semi-Flexible Grasper Forceps, curved, up-biting	WL 275 mm / OD 2.7 mm / Helix 2.5 mm	1

Miscellaneous

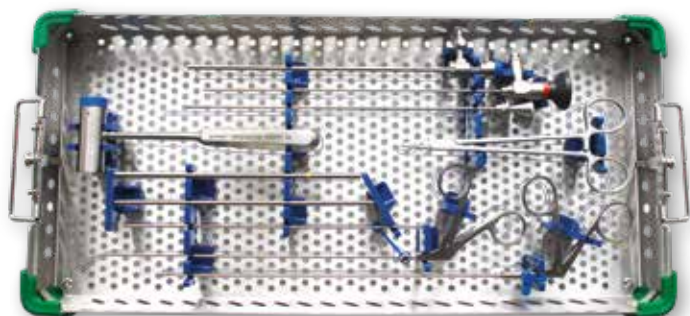
TNC582810G	intENTS® DIN-Norm-Container, with green Lid	L 580 mm / W 280 mm / H 100 mm	1
NIT452505	intENTS® Instrument Tray	L 540 mm / W 255 mm / H 50 mm	1
NIL452505	intENTS® Instrument Tray Lid	L 524 mm / W 250 mm	1

Accessories

JBPH352505	Legato® Hand Piece, bipolar	Plug Endovapor®, Cable L 3.5 m	1
JBPH352506	Legato® Hand Piece, bipolar	Plug Endovapor®2, Cable L 3.5 m	1

Endoscope are not part of the set. Please order separately, see tab Endoscopes

PS2730246C	FHD Nucleoscope [2.7 mm OD] Combo	WL 246 mm / OD 2.7 mm / 30°	1
PS2730246O	FHD Nucleoscope [2.7 mm OD] Ocular	WL 246 mm / OD 2.7 mm / 30°	1
PSD4030246	Shaft for Nucleoscope	OD 4.0 mm / ID 3.6 mm / 45°	1
PSO273002	Obturator, cannulated	OD 3.5 mm / ID 1.0 mm	1



intENTS® Instrument Set



intENTS® Cervical Instrument Set

REF	Description	Dimensions	Pcs.
INTENTSZ01	intENTS® interv. Endoscopic Nucleus Therapy Set		Set
CBF222020U	Biopsy Forceps, Spoon, up-biting	WL 215 mm / OD 2.0 mm / JL 2.0 mm, LOPS	1
CFG212035U	Semi-Flexible Grasper Forceps, curved, up-biting	WL 215 mm / OD 2.0 mm / JL 2.5 mm	1
CMH150170	CESSYS® Metal Hammer	150 g / L 170 mm / blue cap	1
GRC190914	Guiding Rod, conical	L 195 mm / ID 0.9 mm / OD 1.4 mm	1
GRF182500	TESSYS® Guiding Rod Forceps	WL 180 mm / bore for 2.5 mm and 4.0 mm guiding rod	1
GTC171523	Guiding Tube, conical	L 170 mm / ID 1.5 mm / OD 2.2 mm	1
PSD102430	Nucleoscope Shaft for intENTS® cervical	OD 2.7 mm / ID 2.3 mm	1
PSO141023	Shaft obturator for intENTS cervical	WL 144 mm / ID 0.9 mm / OD 2.3 mm	1

Miscellaneous

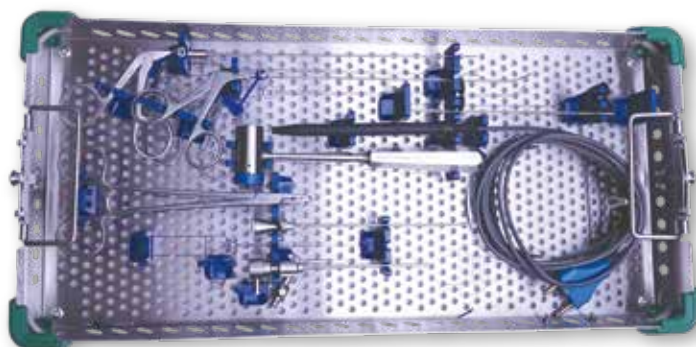
NIL452505	intENTS® Instrument Tray Lid	L 524 mm / W 250 mm	1
NITZ452505	intENTS® Instrument Tray, cervical	L 540 mm / W 255 mm / H 50 mm	1
TNC582810G	intENTS® DIN-Norm-Container, with green Lid	L 580 mm / W 280 mm / H 100 mm	1

Accessories

JBPH352505	Legato® Hand Piece, bipolar	Plug Endovapor®, Cable L 3.5 m	1
JBPH352506	Legato® Hand Piece, bipolar	Plug Endovapor®2, Cable L 3.5 m	1

Endoscope are not part of the set. Please order separately, see tab Endoscopes

PS1909132C	FHD Nucleoscope [1.9 mm OD], Combo	WL 132 mm / OD 1.9 mm / 9°	1
PS1909132O	FHD Nucleoscope [1,9 mm OD], Ocular	WL 132 mm / OD 1.9 mm / 9°	1



intENTS® Cervical Instrument Set

IMPLANTS



EndoLIF® Instrument Set
Endoscopic Lumbar Interbody Fusion



A

EndoLIF® Implants
Endoscopic Lumbar Interbody Fusion



B

Percusys® Plus Instrument Set
Percutaneous Screw-Rod System



C

Percusys® Plus Revision Set



D

Percusys® Plus Implant Screws



E

Percusys® Plus Implant Rods



F

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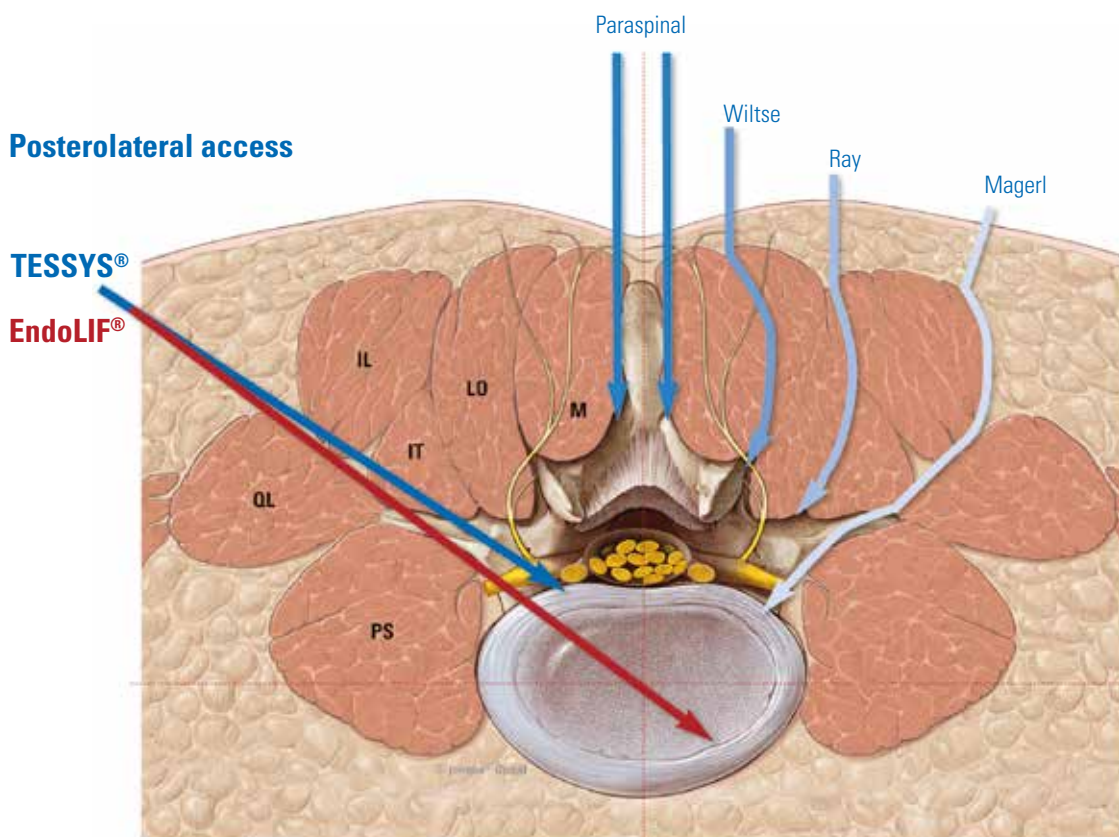
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EndoLIF® – Endoscopic Lumbar Interbody Fusion

The TESSYS® procedure utilizes the transforaminal approach to the spinal canal for the removal of herniated disc material and treating spinal stenosis. Objective is the sustainable decompression. Within the endoscopic spinal surgery the next logical step is endoscopically-assisted spinal stabilization.

Consistently with the EndoLIF® Concept joimax® follows the way from endoscopic through endoscopic guided spinal surgery to the endoscopic fusion. The EndoLIF® approach uses the established TESSYS® access technology, the EndoLIF® surgery can also be done without a TESSYS® procedure before.



Back muscles:

PS = psoas major

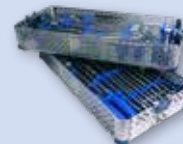
QL = quadratus lumborum

IL = iliocostalis lumborum

IT = iliocostalis thoracis

LO = longissimus thoracis

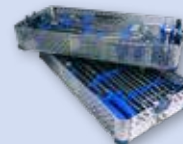
M = multifidus



EndoLIF® System

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REF	Description	Dimensions	Pcs.
ENDOLIF01	EndoLIF® Instrument Set	access with TESSYS®	Set
DTC201290	Dilation Tube, conical	L 200 mm / ID 9 mm / OD 11.9 mm	1
DTC218952	Dilation Tube, conical	L 210 mm / ID 5.3 mm / OD 8.9 mm	1
DTEQ181215	Dilation Tube EndoLIF® Quadro L	L 180 mm / ID 12 mm / H 14.8 mm	1
DTEQ199010	Dilation Tube EndoLIF® Quadro S	L 190 mm / ID 10 mm / OD 13 mm	1
DTEQ199013	Dilation Tube EndoLIF® Quadro M	L 190 mm / ID 9 mm / H 12.8 mm	1
DTPB115305	Pusher Blade Dilation Tubes EndoLIF® Quadro S/M/L	L 115 mm / W 30 mm / H 5 mm	1
GRC242050	TESSYS® Guiding Rod, conical, red	L 240 mm / ID 2.1 mm / OD 5.2 mm	1
GRC275210N**	Guiding Rod Navi, double-cannulated	WL 265 mm / OD 5.20 mm / ID 1.0 mm	1
GTC185363*	TESSYS® Guiding Tube, conical, red	L 185 mm / ID 5.3 mm / OD 6.3 mm	1
JDA323515*	Dissector	WL 320 mm / OD 3.5 mm	1
JFA25030	Forceps angled	WL 250 mm / OD 6 mm / JL 11.5 mm / 30°	1
JGF244590	Spoongrasper Forceps	WL 240 mm / OD 4.5 mm / JL 9.0 mm / LOPS	1
TEFB2065B*	Clip for TESSYS® Endo-Flexprobe Handle	L=20.0 mm / H=6.5 mm	1
TEFH45025*	TESSYS® Endo-Flexprobe Handle	L 460 mm / OD 3 mm / ID 2.2 mm	1
TEFP32020*	Endo-Flexprobe, standard	L 320 mm / OD 2.0 mm	1
TGWS50018	joimax® Guide Wire super elastic, nonsterile (Qty 2)	L 500 mm / OD 1.8 mm	1
THF323541L*	Biopsy Forceps, long Spoon	WL 320 mm / OD 3.5 mm / JL 4.0 mm, LOPS	1
THG323555*	Grasper Forceps, Spoon	WL 320 mm / OD 3.5 mm / JL 5.5 mm, LOPS	1
THS322550*	Hook Scissor	WL 320 mm / OD 2.5 mm / JL 5.0 mm, LOPS	1
TMH200170B	Metal Hammer	200 g / L 200 mm / blue cap	1
WTEQ161013	Working Tube EndoLIF® Quadro S	L 162 mm / IH 10 mm / IW 13 mm	1
WTEQ161313	Working Tube EndoLIF® Quadro M	L 162 mm / IH 13 mm / IW 13 mm	1
WTEQ161513	Working Tube EndoLIF® Quadro L	L 162 mm / IH 15 mm / IW 13 mm	1
WTPB150305	Pusher Blade Working Tubes EndoLIF® Quadro S/M/L	L 150 mm / W 30 mm / H 5 mm	1
WTS177503*	Working Tube with Handle, oblique 45°	L 170 mm / ID 6.5 mm / OD 7.5 mm	1



EndoLIF® System

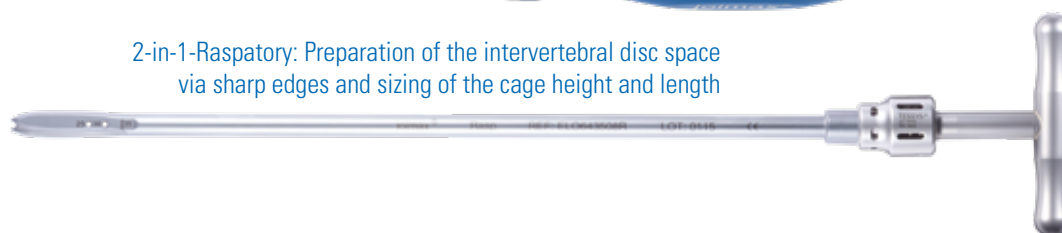
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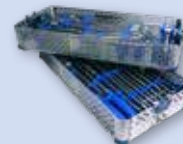
REF	Description	Dimensions	Pcs.
ENDOLIF02	EndoLIF® 2 Instrument Set		Set
CMH162007	Cage Mounting Hook	L 16 mm / OD 0.7 mm	1
DCC241121	Bone Drill 10.5 mm, cannulated, unsterile	L 210 mm / ID 2.4 mm / OD 10.5 mm	1
DCC247521	joimax® Bone Drill 7.5 mm, cannulated, unsterile	L 210 mm / ID 2.4 mm / OD 7.5 mm	1
DCC248521	joimax® Bone Drill 8.5 mm, cannulated, unsterile	L 210 mm / ID 2.4 mm / OD 8.5 mm	1
DCC249521	joimax® Bone Drill 9.5 mm, cannulated, unsterile	L 210 mm / ID 2.4 mm / OD 9.5 mm	1
EFB603035	Filling Block	for EndoLIF® Cages	1
ELO640008T	Trial Implant Cages 08	H 8 mm / L 35 mm	1
ELO640009T	Trial Implant Cages 09	H 9 mm / L 35 mm	1
ELO640010T	Trial Implant Cages 10	H 10 mm / L 35 mm	1
ELO640011T	Trial Implant Cages 11	H 11 mm / L 35 mm	1
ELO640012T	Trial Implant Cages 12	H 12 mm / L 35 mm	1
ELO640013T	Trial Implant Cages 13	H 13 mm / L 35 mm	1
ELO640014T	Trial Implant Cages 14	H 14 mm / L 35 mm	1
ELO643508R	Rasp Cages 08	H 8 mm / L 25/30/35 mm	1
ELO643509R	Rasp Cages 09	H 9 mm / L 25/30/35 mm	1
ELO643510R	Rasp Cages 10	H 10 mm / L 25/30/35 mm	1
ELO643511R	Rasp Cages 11	H 11 mm / L 25/30/35 mm	1
ELO643512R	Rasp Cages 12	H 12 mm / L 25/30/35 mm	1
ELO643513R	Rasp Cages 13	H 13 mm / L 25/30/35 mm	1
ELO643514R	Rasp Cages 14	H 14 mm / L 25/30/35 mm	1

Endo Suite Cage Inserter



2-in-1-Raspatory: Preparation of the intervertebral disc space
via sharp edges and sizing of the cage height and length





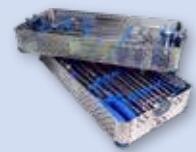
EndoLIF® System

A

REF	Description	Dimensions	Pcs.
JABC23011	Curette, angled	L 230 mm / OD 11 mm	1
JCH330008	Cage Inserter		1
JCH330400	Slide Hammer Instrument		1
JCH330400	Guiding bar		1
JCP236021	Cage Pusher		1
JCPH221021C	Cage Pusher Head concave	L 22 mm / W 10 mm / H 8 mm / ID 2.1 mm	1
JMDS273213	Disc Space Spreader	L 27/32 mm / H 13 mm	1
JMDS303513	Disc Space Spreader	L 30/35 mm / H 13 mm	1
JMPS1060S	Metal Hammer	1060 g / L 240 mm	1
JQTH1906	Hook for EndoLIF® Q-Tubes	L 19 mm / OD 5 mm	1
JTC23011	Curette, triangular	L 230 mm / OD 11 mm	1
RHC108590	TESSYS® Reamer Handle XT, cannulated	Quick-Lock-System, pull-release	1
SWTDR6312*	Scope Working Tube Distance Ring	TESSYS® iLESSYS® MultiZYTE®, Scopes OD 6.3 mm	1
TIE0340	Trial Inserter	L 340 mm / OD 7.5 mm	1



EndoLIF® Instrument Set



EndoLIF® Implants single sterile packed

REF	Description	Dimensions	Pcs.
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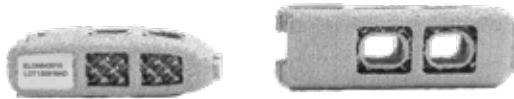
O-Cage

ELO643008	EndoLIF® O-Cage 08 Short	L 30 mm / W 12 mm / H 8 mm	1
ELO643009	EndoLIF® O-Cage 09 Short	L 30 mm / W 12 mm / H 9 mm	1
ELO643010	EndoLIF® O-Cage 10 Short	L 30 mm / W 12 mm / H 10 mm	1
ELO643011	EndoLIF® O-Cage 11 Short	L 30 mm / W 12 mm / H 11 mm	1
ELO643012	EndoLIF® O-Cage 12 Short	L 30 mm / W 12 mm / H 12 mm	1
ELO643013	EndoLIF® O-Cage 13 Short	L 30 mm / W 12 mm / H 13 mm	1
ELO643014	EndoLIF® O-Cage 14 Short	L 30 mm / W 12 mm / H 14 mm	1
ELO643507	EndoLIF® O-Cage 07	L 35 mm / W 12 mm / H 7 mm	1
ELO643508	EndoLIF® O-Cage 08	L 35 mm / W 12 mm / H 8 mm	1
ELO643509	EndoLIF® O-Cage 09	L 35 mm / W 12 mm / H 9 mm	1
ELO643510	EndoLIF® O-Cage 10	L 35 mm / W 12 mm / H 10 mm	1
ELO643511	EndoLIF® O-Cage 11	L 35 mm / W 12 mm / H 11 mm	1
ELO643512	EndoLIF® O-Cage 12	L 35 mm / W 12 mm / H 12 mm	1
ELO643513	EndoLIF® O-Cage 13	L 35 mm / W 12 mm / H 13 mm	1
ELO643514	EndoLIF® O-Cage 14	L 35 mm / W 12 mm / H 14 mm	1



EndoLIF® Implants single sterile packed

REF	Description	Dimensions	Pcs.
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On-Cage

ELON643008	EndoLIF® On-Cage 08 Short	L 30 mm / W 12 mm / H 8 mm	1
ELON643009	EndoLIF® On-Cage 09 Short	L 30 mm / W 12 mm / H 9 mm	1
ELON643010	EndoLIF® On-Cage 10 Short	L 30 mm / W 12 mm / H 10 mm	1
ELON643011	EndoLIF® On-Cage 11 Short	L 30 mm / W 12 mm / H 11 mm	1
ELON643012	EndoLIF® On-Cage 12 Short	L 30 mm / W 12 mm / H 12 mm	1
ELON643013	EndoLIF® On-Cage 13 Short	L 30 mm / W 12 mm / H 13 mm	1
ELON643014	EndoLIF® On-Cage 14 Short	L 30 mm / W 12 mm / H 14 mm	1
ELON643508	EndoLIF® On-Cage 08	L 35 mm / W 12 mm / H 8 mm	1
ELON643509	EndoLIF® On-Cage 09	L 35 mm / W 12 mm / H 9 mm	1
ELON643510	EndoLIF® On-Cage 10	L 35 mm / W 12 mm / H 10 mm	1
ELON643511	EndoLIF® On-Cage 11	L 35 mm / W 12 mm / H 11 mm	1
ELON643512	EndoLIF® On-Cage 12	L 35 mm / W 12 mm / H 12 mm	1
ELON643513	EndoLIF® On-Cage 13	L 35 mm / W 12 mm / H 13 mm	1
ELON643514	EndoLIF® On-Cage 14	L 35 mm / W 12 mm / H 14 mm	1



Product Features EndoLIF Cages

- > Titanium alloy Ti6AL4V
- > Surface with open diamond cell structure
- > Excellent visibility on X-ray and CT-Imaging
- > Cannulated for guided implantation over a wire
- > Fillable with autogenous bone





EndoLIF® Implants single sterile packed

REF	Description	Dimensions	Pcs.
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Delta-Cage

ELDL6425084	EndoLIF® Delta-Cage 08 4°	L 25 mm / H 08 mm / AG 4° / W 10 mm	1
ELDL6425088	EndoLIF® Delta-Cage 08 8°	L 25 mm / H 08 mm / AG 8° / W 10 mm	1
ELDL6425094	EndoLIF® Delta-Cage 09 4°	L 25 mm / H 09 mm / AG 4° / W 10 mm	1
ELDL6425098	EndoLIF® Delta-Cage 09 8°	L 25 mm / H 09 mm / AG 8° / W 10 mm	1
ELDL6425104	EndoLIF® Delta-Cage 10 4°	L 25 mm / H 10 mm / AG 4° / W 10 mm	1
ELDL6425108	EndoLIF® Delta-Cage 10 8°	L 25 mm / H 10 mm / AG 8° / W 10 mm	1
ELDL6425114	EndoLIF® Delta-Cage 11 4°	L 25 mm / H 11 mm / AG 4° / W 10 mm	1
ELDL6425118	EndoLIF® Delta-Cage 11 8°	L 25 mm / H 11 mm / AG 8° / W 10 mm	1
ELDL6425124	EndoLIF® Delta-Cage 12 4°	L 25 mm / H 12 mm / AG 4° / W 10 mm	1
ELDL6425128	EndoLIF® Delta-Cage 12 8°	L 25 mm / H 12 mm / AG 8° / W 10 mm	1



EndoLIF® Implants single sterile packed

REF	Description	Dimensions	Pcs.
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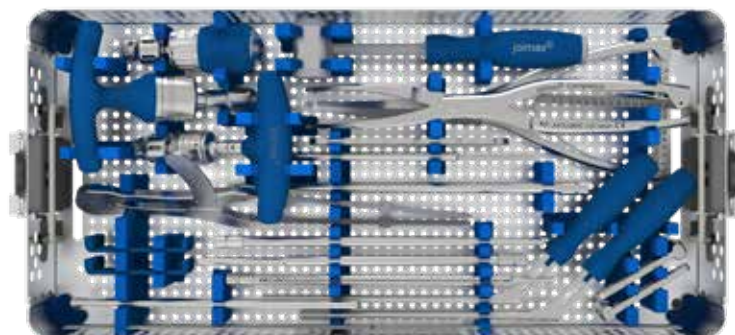
DoubleWedge-Cage

ELD64271012	EndoLIF® DoubleWedge-Cage 10 Short 12°	L 27 mm / H 10 mm / AG 12° / W 12 mm	1
ELD64271018	EndoLIF® DoubleWedge-Cage 10 Short 18°	L 27 mm / H 10 mm / AG 18° / W 12 mm	1
ELD64271112	EndoLIF® DoubleWedge-Cage 11 Short 12°	L 27 mm / H 11 mm / AG 12° / W 12 mm	1
ELD64271118	EndoLIF® DoubleWedge-Cage 11 Short 18°	L 27 mm / H 11 mm / AG 18° / W 12 mm	1
ELD64271212	EndoLIF® DoubleWedge-Cage 12 Short 12°	L 27 mm / H 12 mm / AG 12° / W 12 mm	1
ELD64271218	EndoLIF® DoubleWedge-Cage 12 Short 18°	L 27 mm / H 12 mm / AG 18° / W 12 mm	1
ELD64271312	EndoLIF® DoubleWedge-Cage 13 Short 12°	L 27 mm / H 13 mm / AG 12° / W 12 mm	1
ELD64271318	EndoLIF® DoubleWedge-Cage 13 Short 18°	L 27 mm / H 13 mm / AG 18° / W 12 mm	1
ELD64271412	EndoLIF® DoubleWedge-Cage 14 Short 12°	L 27 mm / H 14 mm / AG 12° / W 12 mm	1
ELD64271418	EndoLIF® DoubleWedge-Cage 14 Short 18°	L 27 mm / H 14 mm / AG 18° / W 12 mm	1
ELD64271512	EndoLIF® DoubleWedge-Cage 15 Short 12°	L 27 mm / H 15 mm / AG 12° / W 12 mm	1
ELD64271518	EndoLIF® DoubleWedge-Cage 15 Short 18°	L 27 mm / H 15 mm / AG 18° / W 12 mm	1
ELD64271612	EndoLIF® DoubleWedge-Cage 16 Short 12°	L 27 mm / H 16 mm / AG 12° / W 12 mm	1
ELD64271618	EndoLIF® DoubleWedge-Cage 16 Short 18°	L 27 mm / H 16 mm / AG 18° / W 12 mm	1
ELD64321012	EndoLIF® DoubleWedge-Cage 10 12°	L 32 mm / H 10 mm / AG 12° / W 12 mm	1
ELD64321018	EndoLIF® DoubleWedge-Cage 10 18°	L 32 mm / H 10 mm / AG 18° / W 12 mm	1
ELD64321112	EndoLIF® DoubleWedge-Cage 11 12°	L 32 mm / H 11 mm / AG 12° / W 12 mm	1
ELD64321118	EndoLIF® DoubleWedge-Cage 11 18°	L 32 mm / H 11 mm / AG 18° / W 12 mm	1
ELD64321212	EndoLIF® DoubleWedge-Cage 12 12°	L 32 mm / H 12 mm / AG 12° / W 12 mm	1
ELD64321218	EndoLIF® DoubleWedge-Cage 12 18°	L 32 mm / H 12 mm / AG 18° / W 12 mm	1
ELD64321312	EndoLIF® DoubleWedge-Cage 13 12°	L 32 mm / H 13 mm / AG 12° / W 12 mm	1
ELD64321318	EndoLIF® DoubleWedge-Cage 13 18°	L 32 mm / H 13 mm / AG 18° / W 12 mm	1
ELD64321412	EndoLIF® DoubleWedge-Cage 14 12°	L 32 mm / H 14 mm / AG 12° / W 12 mm	1
ELD64321418	EndoLIF® DoubleWedge-Cage 14 18°	L 32 mm / H 14 mm / AG 18° / W 12 mm	1
ELD64321512	EndoLIF® DoubleWedge-Cage 15 12°	L 32 mm / H 15 mm / AG 12° / W 12 mm	1
ELD64321518	EndoLIF® DoubleWedge-Cage 15 18°	L 32 mm / H 15 mm / AG 18° / W 12 mm	1
ELD64321612	EndoLIF® DoubleWedge-Cage 16 12°	L 32 mm / H 16 mm / AG 12° / W 12 mm	1
ELD64321618	EndoLIF® DoubleWedge-Cage 16 18°	L 32 mm / H 16 mm / AG 18° / W 12 mm	1

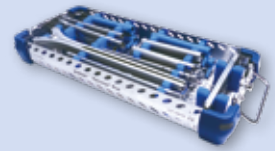


Percusys® *Plus* – Percutaneous Screw-Rod-System

REF	Description	Dimensions
JMPP1000ST	Percusys® Plus Instrument Set	
PPIT532590	Percusys® Plus Instrument Tray	L 530 mm/W 250 mm/H 50 mm
JSTC532410	joimax® Sterilization Tray Cover	L 530 mm/W 250 mm ²
JMPS1010ST	Pedicle Opener	
JMPS1020ST	Screw Inserter	
JMPS1021ST	Set Screw Inserter	
JMPS1022ST	T-Handle with Torque Limiter	
JMPS1024ST	Palm-Handle with Ratchet	
JMPP1025ST	Shaft Break Off Instrument	
JMPS1030ST	Rod Inserter	
JMPS1029ST	T-Handle with Ratchet	
JMPS198BFC	Mounting Clip for Screw Inserter	OD 19 mm/L 80 mm
JMPS1045ST	Support and Anti Torque	
JMPS50023	Metal Hammer with Silicon Handle	500 g/L 226 mm
JMPS1080ST	Compressor	
JMPS1081ST	Distractor	
JMPS1070ST	Rod Caliper	
JMPP1090ST	Rod Ruler	
JPGW47015	Guide Wire with marker, straight, non-sterile	L 470 mm/OD 1.5 mm



Percusys® Plus Instrument Set



Percusys® *Plus* Revision Set






REF	Description	Dimensions	Pcs.
JMPP2000ST	Percusys® Plus Revision Instrument Set		
PPITR38165	Percusys® Plus Revision Instrument Tray	L 530 mm/W 250 mm/H 50 mm	1
UNI3816C	Universal Lid for Sterilization Tray	L 380 mm/W 162 mm	2
JMPS1031ST	Rod Bender	D 5.5 mm	4
JMPS1035ST	Rod Holder	for 5.5 mm rod	1
JMPS1050R	Screwdriver Revision		1
JMPS1051R	Tulip Adapter		2
JMPS1052R	Clamping Tube		4
JMPP1090ST	Rod Ruler	OD 7 mm/ID 1.8 mm/L 220 mm	4
JMPP1091ST	Dilation Tube	OD 13.6 mm/ID 7.1 mm/L 140 mm	1
JMPP1092ST	Stim Tube	OD 15.7 mm/ID 13.7 mm/L 105 mm	1



Revision Instrument Set

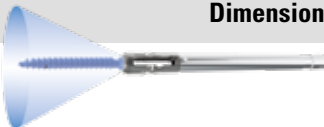






Percusys® *Plus* Implants – Screws single sterile packed

REF	Description	Dimensions	Pcs.
Monoaxial 			
JMPP0535MS	Percusys® Plus Pedicle Screw monoaxial	Ø 5 mm x 35 mm, incl. Set Screw 	1
JMPP0540MS	Percusys® Plus Pedicle Screw monoaxial	Ø 5 mm x 40 mm, incl. Set Screw	1
JMPP0545MS	Percusys® Plus Pedicle Screw monoaxial	Ø 5 mm x 45 mm, incl. Set Screw	1
JMPP0550MS	Percusys® Plus Pedicle Screw monoaxial	Ø 5 mm x 50 mm, incl. Set Screw	1
JMPP0635MS	Percusys® Plus Pedicle Screw monoaxial	Ø 6 mm x 35 mm, incl. Set Screw 	1
JMPP0640MS	Percusys® Plus Pedicle Screw monoaxial	Ø 6 mm x 40 mm, incl. Set Screw	1
JMPP0645MS	Percusys® Plus Pedicle Screw monoaxial	Ø 6 mm x 45 mm, incl. Set Screw	1
JMPP0650MS	Percusys® Plus Pedicle Screw monoaxial	Ø 6 mm x 50 mm, incl. Set Screw	1
JMPP0655MS	Percusys® Plus Pedicle Screw monoaxial	Ø 6 mm x 55 mm, incl. Set Screw	1
JMPP0735MS	Percusys® Plus Pedicle Screw monoaxial	Ø 7 mm x 35 mm, incl. Set Screw 	1
JMPP0740MS	Percusys® Plus Pedicle Screw monoaxial	Ø 7 mm x 40 mm, incl. Set Screw	1
JMPP0745MS	Percusys® Plus Pedicle Screw monoaxial	Ø 7 mm x 45 mm, incl. Set Screw	1
JMPP0750MS	Percusys® Plus Pedicle Screw monoaxial	Ø 7 mm x 50 mm, incl. Set Screw	1
JMPP0755MS	Percusys® Plus Pedicle Screw monoaxial	Ø 7 mm x 55 mm, incl. Set Screw	1
JMPP0835MS	Percusys® Plus Pedicle Screw monoaxial	Ø 8 mm x 35 mm, incl. Set Screw 	1
JMPP0840MS	Percusys® Plus Pedicle Screw monoaxial	Ø 8 mm x 40 mm, incl. Set Screw	1
JMPP0845MS	Percusys® Plus Pedicle Screw monoaxial	Ø 8 mm x 45 mm, incl. Set Screw	1
JMPP0850MS	Percusys® Plus Pedicle Screw monoaxial	Ø 8 mm x 50 mm, incl. Set Screw	1
JMPP0855MS	Percusys® Plus Pedicle Screw monoaxial	Ø 8 mm x 55 mm, incl. Set Screw	1




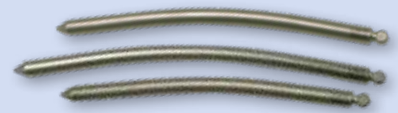
Percusys® *Plus* Implants – Screws single sterile packed

REF	Description	Dimensions	Pcs.
			
Polyaxial (50°)			
JMPP0535PS	Percusys® Plus Pedicle Screw polyaxial	Ø 5 mm x 35 mm, incl. Set Screw	 1
JMPP0540PS	Percusys® Plus Pedicle Screw polyaxial	Ø 5 mm x 40 mm, incl. Set Screw	1
JMPP0545PS	Percusys® Plus Pedicle Screw polyaxial	Ø 5 mm x 45 mm, incl. Set Screw	1
JMPP0550PS	Percusys® Plus Pedicle Screw polyaxial	Ø 5 mm x 50 mm, incl. Set Screw	1
JMPP0635PS	Percusys® Plus Pedicle Screw polyaxial	Ø 6 mm x 35 mm, incl. Set Screw	 1
JMPP0640PS	Percusys® Plus Pedicle Screw polyaxial	Ø 6 mm x 40 mm, incl. Set Screw	1
JMPP0645PS	Percusys® Plus Pedicle Screw polyaxial	Ø 6 mm x 45 mm, incl. Set Screw	1
JMPP0650PS	Percusys® Plus Pedicle Screw polyaxial	Ø 6 mm x 50 mm, incl. Set Screw	1
JMPP0655PS	Percusys® Plus Pedicle Screw polyaxial	Ø 6 mm x 55 mm, incl. Set Screw	1
JMPP0735PS	Percusys® Plus Pedicle Screw polyaxial	Ø 7 mm x 35 mm, incl. Set Screw	 1
JMPP0740PS	Percusys® Plus Pedicle Screw polyaxial	Ø 7 mm x 40 mm, incl. Set Screw	1
JMPP0745PS	Percusys® Plus Pedicle Screw polyaxial	Ø 7 mm x 45 mm, incl. Set Screw	1
JMPP0750PS	Percusys® Plus Pedicle Screw polyaxial	Ø 7 mm x 50 mm, incl. Set Screw	1
JMPP0755PS	Percusys® Plus Pedicle Screw polyaxial	Ø 7 mm x 55 mm, incl. Set Screw	1
JMPP0835PS	Percusys® Plus Pedicle Screw polyaxial	Ø 8 mm x 35 mm, incl. Set Screw	 1
JMPP0840PS	Percusys® Plus Pedicle Screw polyaxial	Ø 8 mm x 40 mm, incl. Set Screw	1
JMPP0845PS	Percusys® Plus Pedicle Screw polyaxial	Ø 8 mm x 45 mm, incl. Set Screw	1
JMPP0850PS	Percusys® Plus Pedicle Screw polyaxial	Ø 8 mm x 50 mm, incl. Set Screw	1
JMPP0855PS	Percusys® Plus Pedicle Screw polyaxial	Ø 8 mm x 55 mm, incl. Set Screw	1



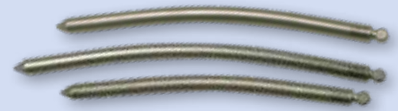
Percusys® Plus Implants – Rods single sterile packed

REF	Description	Dimensions	Pcs.
Lordotic Ø5.5 mm			
Percusys® Plus Rod			
			
JMPP0020RL	Percusys® Plus Rod Ti-Alloy	Ø 5.5 mm x 20 mm, lordotic	1
JMPP0025RL	Percusys® Plus Rod Ti-Alloy	Ø 5.5 mm x 25 mm, lordotic	1
JMPP0030RL	Percusys® Plus Rod Ti-Alloy	Ø 5.5 mm x 30 mm, lordotic	1
JMPP0035RL	Percusys® Plus Rod Ti-Alloy	Ø 5.5 mm x 35 mm, lordotic	1
JMPP0040RL	Percusys® Plus Rod Ti-Alloy	Ø 5.5 mm x 40 mm, lordotic	1
JMPP0045RL	Percusys® Plus Rod Ti-Alloy	Ø 5.5 mm x 45 mm, lordotic	1
JMPP0050RL	Percusys® Plus Rod Ti-Alloy	Ø 5.5 mm x 50 mm, lordotic	1
JMPP0055RL	Percusys® Plus Rod Ti-Alloy	Ø 5.5 mm x 55 mm, lordotic	1
JMPP0060RL	Percusys® Plus Rod Ti-Alloy	Ø 5.5 mm x 60 mm, lordotic	1
JMPP0065RL	Percusys® Plus Rod Ti-Alloy	Ø 5.5 mm x 65 mm, lordotic	1
JMPP0070RL	Percusys® Plus Rod Ti-Alloy	Ø 5.5 mm x 70 mm, lordotic	1
JMPP0075RL	Percusys® Plus Rod Ti-Alloy	Ø 5.5 mm x 75 mm, lordotic	1
JMPP0080RL	Percusys® Plus Rod Ti-Alloy	Ø 5.5 mm x 80 mm, lordotic	1
JMPP0085RL	Percusys® Plus Rod Ti-Alloy	Ø 5.5 mm x 85 mm, lordotic	1
JMPP0090RL	Percusys® Plus Rod Ti-Alloy	Ø 5.5 mm x 90 mm, lordotic	1
JMPP0095RL	Percusys® Plus Rod Ti-Alloy	Ø 5.5 mm x 95 mm, lordotic	1
JMPP0100RL	Percusys® Plus Rod Ti-Alloy	Ø 5.5 mm x 100 mm, lordotic	1
JMPP0110RL	Percusys® Plus Rod Ti-Alloy	Ø 5.5 mm x 110 mm, lordotic	1
JMPP0120RL	Percusys® Plus Rod Ti-Alloy	Ø 5.5 mm x 120 mm, lordotic	1




Percusys® *Plus* Implants – Rods single sterile packed

REF	Description	Dimensions	Pcs.
Straight Ø5.5 mm Percusys® Plus Rod			
JMPP0130RS	Percusys® Plus Rod Ti-Alloy	Ø 5.5 mm x 130 mm, straight	1
JMPP0140RS	Percusys® Plus Rod Ti-Alloy	Ø 5.5 mm x 140 mm, straight	1
JMPP0150RS	Percusys® Plus Rod Ti-Alloy	Ø 5.5 mm x 150 mm, straight	1
JMPP0160RS	Percusys® Plus Rod Ti-Alloy	Ø 5.5 mm x 160 mm, straight	1
JMPP0180RS	Percusys® Plus Rod Ti-Alloy	Ø 5.5 mm x 180 mm, straight	1
JMPP0200RS	Percusys® Plus Rod Ti-Alloy	Ø 5.5 mm x 200 mm, straight	1
JMPP0220RS	Percusys® Plus Rod Ti-Alloy	Ø 5.5 mm x 220 mm, straight	1
JMPP0240RS	Percusys® Plus Rod Ti-Alloy	Ø 5.5 mm x 240 mm, straight	1
JMPP0260RS	Percusys® Plus Rod Ti-Alloy	Ø 5.5 mm x 260 mm, straight	1
JMPP0280RS	Percusys® Plus Rod Ti-Alloy	Ø 5.5 mm x 280 mm, straight	1
JMPP0300RS	Percusys® Plus Rod Ti-Alloy	Ø 5.5 mm x 300 mm, straight	1




Percusys® *Plus* Implants – Rods single sterile packed

REF	Description	Dimensions	Pcs.
Lordotic Ø6.0 mm			
Percusys® Plus Rod			
JMPP6020RL	Percusys® Plus Rod Ti-Alloy	Ø 6.0 mm x 20 mm, lordotic	1
JMPP6025RL	Percusys® Plus Rod Ti-Alloy	Ø 6.0 mm x 25 mm, lordotic	1
JMPP6030RL	Percusys® Plus Rod Ti-Alloy	Ø 6.0 mm x 30 mm, lordotic	1
JMPP6035RL	Percusys® Plus Rod Ti-Alloy	Ø 6.0 mm x 35 mm, lordotic	1
JMPP6040RL	Percusys® Plus Rod Ti-Alloy	Ø 6.0 mm x 40 mm, lordotic	1
JMPP6045RL	Percusys® Plus Rod Ti-Alloy	Ø 6.0 mm x 45 mm, lordotic	1
JMPP6050RL	Percusys® Plus Rod Ti-Alloy	Ø 6.0 mm x 50 mm, lordotic	1
JMPP6055RL	Percusys® Plus Rod Ti-Alloy	Ø 6.0 mm x 55 mm, lordotic	1
JMPP6060RL	Percusys® Plus Rod Ti-Alloy	Ø 6.0 mm x 60 mm, lordotic	1
JMPP6065RL	Percusys® Plus Rod Ti-Alloy	Ø 6.0 mm x 65 mm, lordotic	1
JMPP6070RL	Percusys® Plus Rod Ti-Alloy	Ø 6.0 mm x 70 mm, lordotic	1
JMPP6075RL	Percusys® Plus Rod Ti-Alloy	Ø 6.0 mm x 75 mm, lordotic	1
JMPP6080RL	Percusys® Plus Rod Ti-Alloy	Ø 6.0 mm x 80 mm, lordotic	1
JMPP6085RL	Percusys® Plus Rod Ti-Alloy	Ø 6.0 mm x 85 mm, lordotic	1
JMPP6090RL	Percusys® Plus Rod Ti-Alloy	Ø 6.0 mm x 90 mm, lordotic	1
JMPP6095RL	Percusys® Plus Rod Ti-Alloy	Ø 6.0 mm x 95 mm, lordotic	1
JMPP6100RL	Percusys® Plus Rod Ti-Alloy	Ø 6.0 mm x 100 mm, lordotic	1
JMPP6110RL	Percusys® Plus Rod Ti-Alloy	Ø 6.0 mm x 110 mm, lordotic	1
JMPP6120RL	Percusys® Plus Rod Ti-Alloy	Ø 6.0 mm x 120 mm, lordotic	1



Percusys® Plus Implants – Rods single sterile packed

REF	Description	Dimensions	Pcs.
Straight Ø6.0 mm 			
Percusys® Plus Rod			
JMPP6030RS	Percusys® Plus Rod Ti-Alloy	Ø 6.0 mm x 30 mm, straight	1
JMPP6035RS	Percusys® Plus Rod Ti-Alloy	Ø 6.0 mm x 35 mm, straight	1
JMPP6040RS	Percusys® Plus Rod Ti-Alloy	Ø 6.0 mm x 40 mm, straight	1
JMPP6045RS	Percusys® Plus Rod Ti-Alloy	Ø 6.0 mm x 45 mm, straight	1
JMPP6050RS	Percusys® Plus Rod Ti-Alloy	Ø 6.0 mm x 50 mm, straight	1
JMPP6055RS	Percusys® Plus Rod Ti-Alloy	Ø 6.0 mm x 55 mm, straight	1
JMPP6060RS	Percusys® Plus Rod Ti-Alloy	Ø 6.0 mm x 60 mm, straight	1
JMPP6065RS	Percusys® Plus Rod Ti-Alloy	Ø 6.0 mm x 65 mm, straight	1
JMPP6070RS	Percusys® Plus Rod Ti-Alloy	Ø 6.0 mm x 70 mm, straight	1
JMPP6075RS	Percusys® Plus Rod Ti-Alloy	Ø 6.0 mm x 75 mm, straight	1
JMPP6080RS	Percusys® Plus Rod Ti-Alloy	Ø 6.0 mm x 80 mm, straight	1
JMPP6085RS	Percusys® Plus Rod Ti-Alloy	Ø 6.0 mm x 85 mm, straight	1
JMPP6090RS	Percusys® Plus Rod Ti-Alloy	Ø 6.0 mm x 90 mm, straight	1
JMPP6095RS	Percusys® Plus Rod Ti-Alloy	Ø 6.0 mm x 95 mm, straight	1
JMPP6100RS	Percusys® Plus Rod Ti-Alloy	Ø 6.0 mm x 100 mm, straight	1
JMPP6110RS	Percusys® Plus Rod Ti-Alloy	Ø 6.0 mm x 110 mm, straight	1
JMPP6120RS	Percusys® Plus Rod Ti-Alloy	Ø 6.0 mm x 120 mm, straight	1
JMPP6130RS	Percusys® Plus Rod Ti-Alloy	Ø 6.0 mm x 130 mm, straight	1
JMPP6140RS	Percusys® Plus Rod Ti-Alloy	Ø 6.0 mm x 140 mm, straight	1
JMPP6150RS	Percusys® Plus Rod Ti-Alloy	Ø 6.0 mm x 150 mm, straight	1
JMPP6160RS	Percusys® Plus Rod Ti-Alloy	Ø 6.0 mm x 160 mm, straight	1
JMPP6180RS	Percusys® Plus Rod Ti-Alloy	Ø 6.0 mm x 180 mm, straight	1
JMPP6200RS	Percusys® Plus Rod Ti-Alloy	Ø 6.0 mm x 200 mm, straight	1
JMPP6220RS	Percusys® Plus Rod Ti-Alloy	Ø 6.0 mm x 220 mm, straight	1
JMPP6240RS	Percusys® Plus Rod Ti-Alloy	Ø 6.0 mm x 240 mm, straight	1
JMPP6260RS	Percusys® Plus Rod Ti-Alloy	Ø 6.0 mm x 260 mm, straight	1
JMPP6280RS	Percusys® Plus Rod Ti-Alloy	Ø 6.0 mm x 280 mm, straight	1
JMPP6300RS	Percusys® Plus Rod Ti-Alloy	Ø 6.0 mm x 300 mm, straight	1

VBA-MANAGEMENT

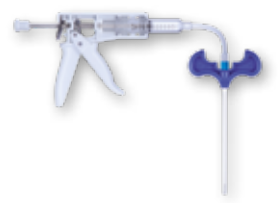


SPASY™ Balloon Kyphoplasty



A

SPASY™ Vertebroplasty



B

Kyverment® PMMA Cement



C

D

E

F

G

H

I



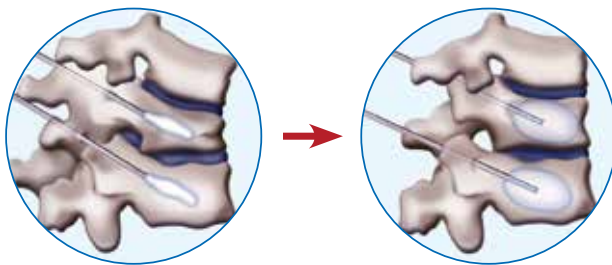
Minimally invasive endoscopic solutions for vertebral compression fracture

Fast pain relief by straightening and stabilizing the vertebral body through a small working channel.



SPASY™ Balloon Kyphoplasty

Balloon Kyphoplasty is a minimally invasive percutaneous method for stabilizing the spine. It offers a good alternative for patients who fail to respond to the traditional approaches of bedrest, analgesics and back braces. The SPASY™ Kyphoplasty System helps to restore some of the height loss because of fracture and reduces the angle of the deformity.



SPASY™ Vertebroplasty and PMMA Cement – easy, quick, clean

The joimax® Vertebroplasty and Kyverment® Set for percutaneous vertebroplasty is a complete system for the approach and the cement application.

Transpedicular approach



For cement application in thoracic and lumbar spine

Posterolateral approach



For cement application in the lumbar spine



SPASY™ Balloon Kyphoplasty Sets – Standard

A

REF	Description	Pcs.
JMSPAKY10	joimax® SPASY™ Kyphoplasty Set 10 Content: 2x Balloon Expander, 2x Balloon Catheter Size 10, 2x Starting Needle (two-piece), 2x Guide Wire, 2x Working Cannula 8G (two-piece), 1x Drill, 3x 2 Cement Fillers	
JMSWMP	Balloon Expander	2
JMSWS10	Balloon Catheter Size 10	2
JMSWSNT	Starting Needle 11G (Trocar Cut), 2-piece	2
JMSWM-1	Guide Wire	2
JMSWM-2	Working Cannula, 2-piece, Trocar cannulated	2
JMSWM-3	Drill	1
JMSWM-4	Cement Application Cannula, Volume 1.5 ml	2
JMSPAKY10F	joimax® SPASY™ Kyphoplasty Set 10 with flexible Balloon Catheter	
JMSPAKY10Q	joimax® SPASY™ QUICK Kyphoplasty Set 10 without Guide Wire and Starting Needle 11G	
JMSPAKY10QF	joimax® SPASY™ QUICK Kyphoplasty Set 10 with flexible Balloon and without Guide Wire and Starting Needle 11G	
JMSPAKY15	joimax® SPASY™ Kyphoplasty Set 15 Content: 2x Balloon Expander, 2x Balloon Catheter Size 15, 2x Starting Needle (two-piece), 2x Guide Wire, 2x Working Cannula 8G (two-piece), 1x Drill, 3x 2 Cement Fillers	
JMSWMP	Balloon Expander	2
JMSWS15	Balloon Catheter Size 15	2
JMSWSNT	Starting Needle 11G (Trocar Cut), 2-piece	2
JMSWM-1	Guide Wire	2
JMSWM-2	Working Cannula, 2-piece, Trocar cannulated	2
JMSWM-3	Drill	1
JMSWM-4	Cement Application Cannula, Volume 1.5 ml	2
JMSPAKY15F	joimax® SPASY™ Kyphoplasty Set 15 with flexible Balloon Catheter	
JMSPAKY15Q	joimax® SPASY™ QUICK Kyphoplasty Set 15 without Guide Wire and Starting Needle 11G	
JMSPAKY15QF	joimax® SPASY™ QUICK Kyphoplasty Set 15 with flexible Balloon and without Guide Wire and Starting Needle 11G	



SPASY™ Balloon Kyphoplasty Sets – Standard

A

REF	Description	Pcs.
JMSPAKY20	joimax® SPASY™ Kyphoplasty Set 20 Content: 2x Balloon Expander, 2x Balloon Catheter Size 20, 2x Starting Needle (two-piece), 2x Guide Wire, 2x Working Cannula 8G (two-piece), 1x Drill, 3x 2 Cement Fillers	
JMSWMP	Balloon Expander	2
JMSWS20	Balloon Catheter Size 20	2
JMSWSNT	Starting Needle 11G (Trocar Cut), 2-piece	2
JMSWM-1	Guide Wire	2
JMSWM-2	Working Cannula, 2-piece, Trocar cannulated	2
JMSWM-3	Drill	1
JMSWM-4	Cement Application Cannula, Volume 1.5 ml	2
JMSPAKY20F	joimax® SPASY™ Kyphoplasty Set 20 with flexible Balloon Catheter	
JMSPAKY20Q	joimax® SPASY™ QUICK Kyphoplasty Set 20 without Guide Wire and Starting Needle 11G	
JMSPAKY20QF	joimax® SPASY™ QUICK Kyphoplasty Set 20 with flexible Balloon and without Guide Wire and Starting Needle 11G	

SPASY™ Balloon Kyphoplasty Sets – Mono

REF	Description	Pcs.
JMSPAKYM10	joimax® SPASY™ Kyphoplasty Mono Set 10 Content: 1x Balloon Expander, 1x Balloon Catheter Size 10, 1x Starting Needle (two-piece), 2x Guide Wire, 2x Working Cannula + 1x Trocar for Working Cannula, 1x Drill, 2x 2 Cement Fillers	
JMSWMP	Balloon Expander	1
JMSWS10	Balloon Catheter Size 10	1
JMSWSNT	Starting Needle 11G (Trocar Cut), 2-piece	2
JMSWM-1	Guide Wire	2
JMSWM-2	Working Cannula, 2-piece, Trocar cannulated	2
JMSWM-3	Drill	1
JMSWM-4	Cement Application Cannula, Volume 1.5 ml	2
JMSPAKYM10F	joimax® SPASY™ Kyphoplasty Mono Set 10 with flexible Balloon Catheter	



SPASY™ Balloon Kyphoplasty Sets – Mono

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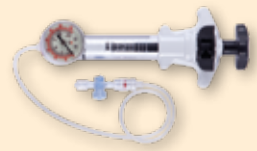
REF	Description	per Set
JMSPAKYM15	joimax® SPASY™ Kyphoplasty Mono Set 15 Content: 1x Balloon Expander, 1x Balloon Catheter Size 15, 1x Starting Needle (two-piece), 2x Guide Wire, 2x Working Cannula + 1x Trocar for Working Cannula, 1x Drill, 2x 2 Cement Fillers	
JMSWMP	Balloon Expander	1
JMSWS15	Balloon Catheter Size 15	1
JMSWSNT	Starting Needle 11G (Trocar Cut), 2-piece	2
JMSWM-1	Guide Wire	2
JMSWM-2	Working Cannula, 2-piece, Trocar cannulated	2
JMSWM-3	Drill	1
JMSWM-4	Cement Application Cannula, Volume 1.5 ml	2
JMSPAKYM15F	joimax® SPASY™ Kyphoplasty Mono Set 15 with flexible Balloon Catheter	
JMSPAKYM20	joimax® SPASY™ Kyphoplasty Mono Set 20 Content: 1x Balloon Expander, 1x Balloon Catheter Size 20, 1x Starting Needle (two-piece), 2x Guide Wire, 2x Working Cannula + 1x Trocar for Working Cannula, 1x Drill, 2x 2 Cement Fillers	
JMSWMP	Balloon Expander	1
JMSWS20	Balloon Catheter Size 20	1
JMSWSNT	Starting Needle 11G (Trocar Cut), 2-piece	2
JMSWM-1	Guide Wire	2
JMSWM-2	Working Cannula, 2-piece, Trocar cannulated	2
JMSWM-3	Drill	1
JMSWM-4	Cement Application Cannula, Volume 1.5 ml	2
JMSPAKYM20F	joimax® SPASY™ Kyphoplasty Mono Set 20 with flexible Balloon Catheter	



SPASY™ Balloon Kyphoplasty – Single Components

A

REF	Description		Pcs.
JMSWS10	Balloon Catheter Size 10	Maximum Pressure 300 PSI Maximum Volume 4 ml	1
JMSWS15	Balloon Catheter Size 15	Maximum Pressure 300 PSI Maximum Volume 4 ml	1
JMSWS20	Balloon Catheter Size 20	Maximum Pressure 300 PSI Maximum Volume 6 ml	1
<p>Shaft rigide</p>			
JMSWS10F	Balloon Catheter Size 10, flexible	Maximum Pressure 300 PSI Maximum Volume 4 ml	1
JMSWS15F	Balloon Catheter Size 15, flexible	Maximum Pressure 300 PSI Maximum Volume 4 ml	1
JMSWS20F	Balloon Catheter Size 20, flexible	Maximum Pressure 300 PSI Maximum Volume 6 ml	1
<p>Shaft flexible</p>			
JMSWMP	Balloon Expander for joimax® SPASY™ Kyphoplasty Set	350 PSI (24atm)	1
JMSWSNT	Starting Needle 11G (Trocar Cut), 2-piece	for joimax® SPASY™ Kyphoplasty Set	1
JMSWSNS	Starting Needle (Slant Type)	for joimax® SPASY™ Kyphoplasty Set	1
<p>Slant Trocar</p>			
JMSWM-1	Guide Wire	for joimax® SPASY™ Kyphoplasty Set	2



SPASY™ Balloon Kyphoplasty – Single Components

A

REF	Description	Dimension	Pcs.
JMSWM-2	Working Cannula, 2-piece, Trocar cannulated	for joimax® SPASY™ Kyphoplasty Set	2



JMSWM-3	Drill	for joimax® SPASY™ Kyphoplasty Set	1
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JMSWM-4	Cement Application Cannula, Volume 1.5 ml	for joimax® SPASY™ Kyphoplasty Set	2
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JMSWM-2T	8G Starting and Working Cannula, Stylet Trocar Typ	for joimax® SPASY™ Kyphoplasty Quick Set	1
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JMSPASY-BI	Biopsy Needle	for joimax® SPASY™ Kyphoplasty Set	1
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SPASY™ Vertebroplasty

REF	Description	Dimension	Pcs.
JMSPAVER11	joimax® SPASY™ Vertebroplasty Set Content: 1x Application System, 1x Syringe Cylinder with Tube, 2x Vertebroplasty Needle 11G (Slant cut) L 125 mm, OD 3.0 mm		
JMSPAVER13	joimax® SPASY™ Vertebroplasty Set Content: 1x Application System, 1x Syringe Cylinder with Tube, 2x Vertebroplasty Needle 13G (Slant cut) L 125 mm, OD 2.4 mm		

B

SPASY™ Vertebroplasty – Single Instruments

JMSWVEAS	Application System for Bone Cement, two-piece consisting of Syringe and Applicator		1
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JMSPAVER11	Vertebroplasty Needle 11G Slant Cut for Bone Cement Application System	L 125 mm / OD 3.0 mm	1
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JMSPAVER13	Vertebroplasty Needle 13G for Bone Cement Application System	L 125 mm / OD 3.0 mm	1
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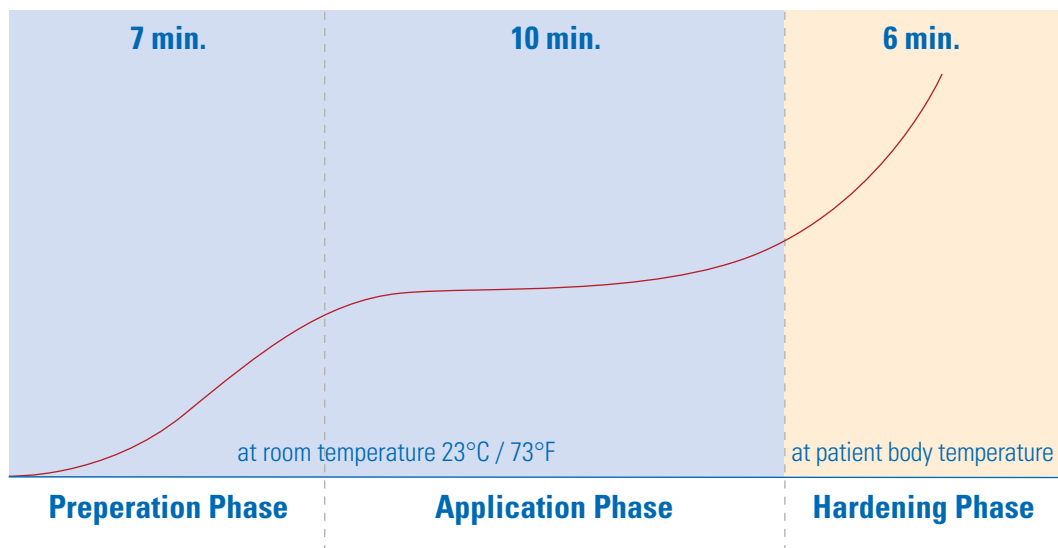


Kyverment® PMMA Cement

REF	Description	Dimension
JMSPACE100	Kyverment® PMMA Bone Cement for Kypho- & Vertebroplasty, included Mixing System, no additional Mixing System required	results in 22 ml of ready-mix
JMSPACE13	Vertebroplasty Set comprising the: Application system two-parts, two-parts Vertebroplasty needle with an angle cut	



Kyverment® preparation and application



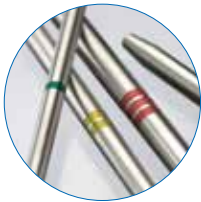
For more details see instruction for use



joimax® Endoscopic Instruments

The joimax® instruments are designed for the use in minimal-invasive endoscopic spine surgery and physical parameters such as diameter and length are attuned to the combination with joimax® endoscopes. In addition, the current instruments are

(Guiding Rods, Guiding Tubes, disposable Reamer and Reamer Ejector) color-coded and based on the traffic light principle (red-yellow-green). The green marked instruments have the smallest and the red ones have the largest diameter.



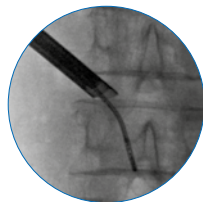
- **Red:** Biggest diameter, to be inserted over "yellow"
- **Gelb:** Medium diameter, to be inserted over "green"
- **Grün:** Smallest diameter, to be inserted at first

Endoscopic Decompression – with Special Instruments "around the corner"

With only one approach you can operate disc herniations and stenoses at locations difficult to reach within the spinal canal. The secret behind: the flexible joimax® instruments. Minimally invasive, gentle and so to say "around the corner".



Vapoflex® Probe



Semi-flexible Forceps

Semi-flexible Forceps

Vapoflex® Probe

Endo-Flexprobe

Deflector Shaver Blade through the
working channel of the endoscope



INSTRUMENTS



Guiding Rods & Guiding Tubes



A

Cleaning Instruments



B

Working Tubes



C

Forceps & Punches



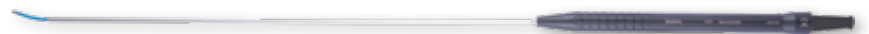
D

Bone Drills



E

RF Instruments



F

Other Instruments



G















H

I



Guiding Rods & Guiding Tubes

A

REF	Description	Dimensions		Pcs.
GRB221025	TESSYS® Guiding Rod, blunt, green	L 220 mm / ID 1.0 mm / OD 2.5 mm		1
GRB251025	TESSYS® Guiding Rod, blunt, green	L 250 mm / ID 1.0 mm / OD 2.5 mm		1
				
GRC180024	CESSYS® Dorsal Guiding Rod, conical, blunt, green	L 180 mm / OD 2.4 mm		1
				
GRC241025	TESSYS® Guiding Rod, conical, green	L 240 mm / ID 1.0 mm / OD 2.5 mm		1
				
GRC260024	iLESSYS® Pro Guiding Rod, conical, blunt, green	L 260 mm / OD 2.4 mm		1
				
GRT241025S	TESSYS® Guiding Rod, curved, green	L 240 mm / ID 1.0 mm / OD 2.5 mm		1
				
GTC182840	TESSYS® Guiding Tube, conical, green	L 180 mm / ID 2.8 mm / OD 4.0 mm		1
				
GTC184055	Guiding Tube, conical	L 185 mm / ID 4.0 mm / OD 5.8 mm		1
				

Color coding of the joimax® endoscopic spinal systems:









• TESBASIC • TESBASICXT • TESXTD • TESSMORST • TESSMORXT • TESFTR • FASXTD1 • iLESSYSST • iLESSYSSTH • CESSYSANT • MUSTD • intENTS01

Definition: L = Length / W = Width / H = height / WL = Working Length / D = Diameter / ID = Inner Diameter / OD = Outer Diameter / WChD = Working Channel / IC = Irrigation Channel / JL = Jaw Length



Guiding Rods & Guiding Tubes

A

REF	Description	Dimensions	Pcs.
GTC202838	TESSYS® Guiding Tube, conical, green	L 205 mm / ID 2.6 mm / OD 3.9 mm	1
			
GTC202838P	Guiding Tube, conical, green	L 205 mm / ID 2.8 mm / OD 3.8 mm	1
			
GTC217452	Guiding Tube, conical	L 210 mm / ID 5.2 mm / OD 7.4 mm	1
			
GTC232838	Guiding Tube, conical, green	L 231.5 mm / ID 2.8 mm / OD 3.8 mm	1
			
GTC252639	iLESSYS® Delta Guiding Tube, conical, green	L 245 mm / ID 2.6 mm / OD 3.9 mm	1
			
GTC254020	Guiding Tube, conical, green	WL 255 mm / ID 2.0 mm / OD 3.8 mm	1
			
GRB221540	TESSYS® Guiding Rod, blunt, yellow	L 220 mm / ID 1.5 mm / OD 4.0 mm	1
GRB221540	TESSYS® Guiding Rod, blunt, yellow	L 250 mm / ID 1.5 mm / OD 4.0 mm	1
			
GRC221540	TESSYS® Guiding Rod, conical, yellow	L 220 mm / ID 1.5 mm / OD 4.0 mm	1
GRC241540	TESSYS® Guiding Rod, conical, yellow	L 240 mm / ID 1.5 mm / OD 4.0 mm	1
			

Color coding of the joimax® endoscopic spinal systems:


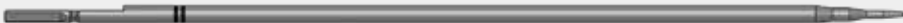











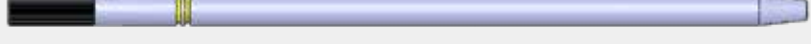


• TESBASIC • TESBASICXT • TESXTD • TESMORST • TESSMORXT • TESFTR • FASXTD1 • iLESSYSST • iLESSYSSH • CESSYSANT • MUSTD • intENTS01

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Guiding Rods & Guiding Tubes

A

REF	Description	Dimensions		Pcs.
GRC275210N	Guiding Rod Navi, conical, yellow	L 270 mm / OD 5.2 mm / ID 1.1 mm		1
				
GRC305000	TESSYS® Guiding Rod, conical, yellow	L 300 mm / OD 5.0 mm / acc. Wagner		1
				
CGT201020	Guiding Tube, conical, yellow	L 200 mm / ID 1.0 mm / OD 2.0 mm		1
				
GRC142549	CESSYS® Dorsal Guiding Tube, beveled 45°, edged, yellow	L 145 mm / OD 4.90 mm / ID 2.50 mm		1
				
GRC212549	iLESSYS® Pro Guiding Tube, beveled 45°, edged, yellow	L 210 mm / ID 2.5 mm / OD 4.9 mm		1
				
GTC164250	TESSYS® Guiding Tube, conical, yellow	L 165 mm / ID 4.2 mm / OD 5.0 mm		1
				
GTC194069	Guiding Tube, conical, yellow	L 185 mm / ID 4 mm / OD 6.9 mm		1
				
GTC194353	TESSYS® Guiding Tube, conical, yellow	L 195 mm / ID 4.2 mm / OD 5.2 mm		1
				

Color coding of the joimax® endoscopic spinal systems:

• TESBASIC • TESBASICXT • TESXTD • TESMORST • TESSMORXT • TESFTR • FASXTD1 • iLESSYSST • iLESSYSSH • CESSYSANT • MUSTD • intENTS01

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Guiding Rods & Guiding Tubes

A

REF	Description	Dimensions	Pcs.
GTC214069	iLESSYS® Delta Guiding Tube, beveled 45°, edged, yellow	L 210 mm / ID 4.0 mm / OD 6.9 mm	1
GTC224353	Guiding Tube, conical, yellow	L 223 mm / ID 4.2 mm / OD 5.2 mm	1
GRB222050	TESSYS® Guiding Rod, blunt, red	L 220 mm / ID 2.0 mm / OD 5.0 mm	1
GRB252050	TESSYS® Guiding Rod, blunt, red	L 250 mm / ID 2.0 mm / OD 5.0 mm	1
GRC222050	TESSYS® Guiding Rod, conical, red	L 220 mm / ID 2.0 mm / OD 5.0 mm	1
GRC242050	TESSYS® Guiding Rod, conical, red	L 240 mm / ID 2.1 mm / OD 5.2 mm	1
GRC255922N	Guiding Rod Navi, double-cannulated, red	WL 255 mm / OD 5.8 mm / ID 1.0 mm / JL 22 mm	1
GRC276310N	Guiding Rod Navi, conical, red	L 270 mm / OD 6.3 mm / ID 1.1 mm	1

Color coding of the joimax® endoscopic spinal systems:








• TESBASIC • TESBASICXT • TESXTO • TESSMORST • TESSMORXT • TESFTR • FASXTD1 • iLESSYSST • iLESSYSSH • CESSYSANT • MUSTD • intENTS01

Definition: L = Length / W = Width / H = height / WL = Working Length / D = Diameter / ID = Inner Diameter / OD = Outer Diameter / WChD = Working Channel / IC = Irrigation Channel / JL = Jaw Length



Guiding Rods & Guiding Tubes

A

REF	Description	Dimensions	Pcs.
GRC306325	TESSYS® Guiding Rod, conical, red	L 300 mm / OD 6.3 mm / acc. Wagner	1
			
GRC306342	TESSYS® Guiding Rod, conical, red	L 300 mm / OD 6.3 mm / acc. Wagner	1
			
CGT152039	Guiding Tube, conical, red	L 150 mm / ID 2.1 mm / OD 3.9 mm	1
			
GRC115073	CESSYS® Dorsal Guiding Tube, beveled 45°, edged, red	L 110 mm / OD 7.30 mm / ID 5.0 mm	1
			
GRC175073	iLESSYS® Pro Guiding Tube, beveled 45°, edged, red	L 170 mm / ID 5.0 mm / OD 7.3 mm	1
			
GTC155260	TESSYS® Guiding Tube, conical, red	L 150 mm / ID 5.2 mm / OD 6.0 mm	1
			
GTC177010	Guiding Tube, conical, red	L 170 mm / ID 7 mm / OD 10 mm	1
			

Color coding of the joimax® endoscopic spinal systems:

• TESBASIC • TESBASICXT • TESXTO • TESMORST • TESSMORXT • TESFTR • FASXTD1 • iLESSYSST • iLESSYSSH • CESSYSANT • MUSTD • intENTS01

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Guiding Rods & Guiding Tubes

A

REF	Description	Dimensions	Pcs.
GTC17701045	iLESSYS® Delta Guiding Tube, beveled 45°, edged, red	L 170 mm / ID 7.0 mm / OD 10.0 mm	1
GTC185363	TESSYS® Guiding Tube, conical, red	L 185 mm / ID 5.3 mm / OD 6.3 mm	1
GTC215363	Guiding Tube, conical, red	L 216.5 mm / ID 5.3 mm / OD 6.3 mm	1
GTC151510	Guiding Tube, conical, violet	L 155 mm / ID 10.1 mm / OD 14.9 mm	1
GTC176573	TESSYS® Guiding Tube, conical, violet	L 175 mm / ID 6.5 mm / OD 7.3 mm	1

Color coding of the joimax® endoscopic spinal systems:

• TESBASIC • TESBASICXT • TESXTD • TESSMORST • TESSMORXT • TESFTR • FASXTD1 • iLESSYSST • iLESSYSSH • CESSYSANT • MUSTD • intENTS01

Definition: L = Length / W = Width / H = height / WL = Working Length / D = Diameter / ID = Inner Diameter / OD = Outer Diameter / WChD = Working Channel / IC = Irrigation Channel / JL = Jaw Length



Cleaning Instruments for Disposable Reamers and Tubes

REF	Description	Dimensions	Pcs.
TCW40010	TESSYS® Cleaning Wire	L 400 mm / OD 1.0 mm	1
FCB353017	Foraminoscope Cleaning Brush for Irrigation Channel	L 350 mm / OD 2 mm / Brush Area 17 mm	1
FCB353930	Foraminoscope Cleaning Brush	L 350 mm / OD 4.7 mm / Brush Area 40 mm	1

FSCAL0015	Cleaning Adapter for Foraminoscope		1
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JSHP06010	Shaver Cleaning Adapter		1
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Working Tubes

REF	Description	Dimensions	Pcs.
standard Lip			
			
WTS127000	•	L 124 mm / ID 6.0 mm / OD 7.0 mm	1
WTS127500	•	L 124 mm / ID 6.5 mm / OD 7.5 mm	1
WTS176575	••••	L 170 mm / ID 6.5 mm / OD 7.5 mm	1
WTS178575	••	L 171 mm / ID 7.5 mm / OD 8.5 mm	1
WTS185363	fenestrated, without Handle •	L 185 mm / ID 5.3 mm / OD 6.3 mm	1
WTS217500	fenestrated •••	L 208 mm / ID 6.5 mm / OD 7.5 mm	1
WTS225363	fenestrated, without Handle •	L 220 mm / ID 5.3 mm / OD 6.3 mm	1
WTS177508	without Handle	L 170 mm / ID 6.5 mm / OD 7.5 mm	1
WTS178070	without Handle (with teeth)	L 173 mm / ID 8.3 mm / OD 9.3 mm	1
WTS217500*	with Handle	WL 5 mm / ID 6.5 mm / OD 12 mm	1
WTT127000	with Handle	L 121 mm / ID 6.0 mm / OD 7.0 mm	1

wide Lip			
			
WTS127501	•	L 124 mm / ID 6.5 mm / OD 7.5 mm	1
WTS177501	••	L 170 mm / ID 6.5 mm / OD 7.5 mm	1
WTS217501	fenestrated straight •	L 208 mm / ID 6.5 mm / OD 7.5 mm	1

long Lip			
			
WTS127002		L 124 mm / ID 6.0 mm / OD 7.0 mm	1
WTS127502	•	L 124 mm / ID 6.5 mm / OD 7.5 mm	1
WTS177502	••	L 170 mm / ID 6.5 mm / OD 7.5 mm	1
WTS217502	fenestrated long •	L 208 mm / ID 6.5 mm / OD 7.5 mm	1
WTS121602		L 132 mm / ID 15 mm / OD 16 mm	1

double Lip			
			
CWT104805	fenestrated double ••	L 98 mm / ID 4.0 mm / OD 4.8 mm	1
WTS127005	•	L 124 mm / ID 6.0 mm / OD 7.0 mm	1
WTS127505	•	L 124 mm / ID 6.5 mm / OD 7.5 mm	1
WTS177505	••	L 170 mm / ID 6.5 mm / OD 7.5 mm	1
WTS217505	fenestrated double •	L 208 mm / ID 6.5 mm / OD 7.5 mm	1




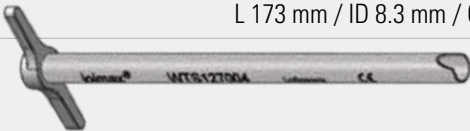
Color coding of the joimax® endoscopic spinal systems:

• TESBASIC • TESBASICXT • TESXTD • TESMORST • TESSMORXT • TESFTR • FASXTD1 • iLESSYSST • iLESSYSSH • CESSYSANT • MUSTD • intENTS01

Definition: L = Length / W = Width / H = height / WL = Working Length / D = Diameter / ID = Inner Diameter / OD = Outer Diameter / WChD = Working Channel / IC = Irrigation Channel / JL = Jaw Length



Working Tubes

REF	Description	Dimensions	Pcs.
spoon Lip			
			
WTS127006	•	L 124 mm / ID 6.0 mm / OD 7.0 mm	1
WTS127506	•	L 124 mm / ID 6.5 mm / OD 7.5 mm	1
WTS177506	••	L 170 mm / ID 6.5 mm / OD 7.5 mm	1
WTS217506	fenestrated closed •	L 208 mm / ID 6.5 mm / OD 7.5 mm	1
oblique			
			
CWT104803	fenestrated 45° •	L 98 mm / ID 4.0 mm / OD 4.8 mm	1
WTS127503	45° •	L 124 mm / ID 6.5 mm / OD 7.5 mm	1
WTS12758500	short lip	L 125 mm / ID 6.5 mm / OD 7.5 mm	1
WTS12758530	30°	L 125 mm / ID 6.5 mm / OD 7.5 mm	1
WTS12758545	45°	L 125 mm / ID 6.5 mm / OD 7.5 mm	1
WTS177503*	45° ••	L 170 mm / ID 6.5 mm / OD 7.5 mm	1
WTS177504	straight 90° •••	L 170 mm / ID 6.5 mm / OD 7.5 mm	1
WTS217503	fenestrated 45° •	L 208 mm / ID 6.5 mm / OD 7.5 mm	1
WTT127003	45°	L 121 mm / ID 6.0 mm / OD 7.0 mm	1
straight			
			
CWT104804	conical ••	L 98 mm / ID 4.0 mm / OD 4.8 mm	1
WTS127004	straight 90° •	L 124 mm / ID 6.0 mm / OD 7.0 mm	1
WTS127504	straight 90° •	L 124 mm / ID 6.5 mm / OD 7.5 mm	1
WTS217504	non-fenestrated •	L 208 mm / ID 6.5 mm / OD 7.5 mm	1
special Lips			
			
WTS127007	•	L 124 mm / ID 6.0 mm / OD 7.0 mm	1
WTS177507		L 171 mm / ID 6.5 mm / OD 7.5 mm	1
WTS178070	crown tip with lip	L 173 mm / ID 8.3 mm / OD 9.3 mm	1
			
chisel			
WTC186474	fork tip	L 186 mm / ID 6.8 mm / OD 7.8 mm	1

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Working Tubes

REF	Description	Dimensions	Pcs.
CESSYS® Working Tubes			
CWT104703 R	CESSYS® Oval Working Tube w/ Handle, fenestra. 45°	WL 98 mm / OD 3.5 mm x 5.0 mm / ID 2.9 mm x 4.4 mm	1
CWT104704 R	CESSYS® Oval Working Tube w/ Handle, fenestra. 90°	WL 98 mm / OD 3.5 mm x 5.0 mm / ID 2.9 mm x 4.4 mm	1
WTS65758545	CESSYS® Dorsal Working Tube w/ Handle, oblique 45°	L 65 mm / OD 8.50 mm / ID 7.50 mm	1
WTS68758500	CESSYS® Dorsal Working Tube w/ Handle, Short Lip	L 68 mm / OD 8.50 mm / ID 7.50 mm	1
WTS68758530	CESSYS® Dorsal Working Tube w/ Handle, oblique 30°	L 68 mm / OD 8.50 mm / ID 7.50 mm	1
EndoLIF® Working Tubes			
WTA151918	Working Tube Adapter	L 40 mm / ID 6.5 mm / OD 19 mm	1
WTE151615	Working Tube EndoLIF®	L 161 mm / ID 15 mm / OD 16 mm	1
WTE171918	Working Tube EndoLIF®	L 161 mm / ID 18 mm / OD 19 mm	1
WTEQ161513	Working Tube EndoLIF® Quadro L	L 162 mm / IH 15 mm / IW 13 mm	1
WTEQ161313	Working Tube EndoLIF® Quadro M	L 162 mm / IH 13 mm / IW 13 mm	1
WTEQ161013	Working Tube EndoLIF® Quadro S	L 162 mm / IH 10 mm / IW 13 mm	1
WTPB15030	Pusher Blade Working Tubes EndoLIF® Quadro S/M/L	L 150 mm / W 30 mm / H 5 mm	1
WTS177503*	Working Tube with Handle, oblique 45°	L 170 mm / ID 6.5 mm / OD 7.5 mm	1
iLESSYS® Working Tubes			
WTA901300.1	iLESSYS® Delta Working Tube, Handle	L 7 mm / ID 14 mm / OD 22 mm	1
WTA901300.2	iLESSYS® Delta Working Tube, Adapter	L 31 mm / ID 10.2 mm / OD 22 mm	1
WTA901300.S	iLESSYS® Delta Working Tube, Adapter short	L 11 mm / ID 10.2 mm / OD 22 mm	1
WTS901300	iLESSYS® Delta Working Tube Shaft, standard Lip, radiolucent	L 91 mm / ID 10.2 mm / OD 13.7 mm	1
WTS901300.1	iLESSYS® Delta Working Tube complete, standard Lip, radiolucent	L 124 mm / ID 10.2 mm / OD 13.7 mm	1
WTS901300.2	iLESSYS® Delta Working Tube complete, standard Lip, stainless steel	L 124 mm / ID 10.2 mm / OD 13.7 mm	1



Working Tubes

REF	Description	Dimensions	Pcs.
WTS901300.3	iLESSYS® Delta Working Tube Shaft, standard Lip, stainless steel	L 91 mm / ID 10.2 mm / OD 13.7 mm	1
WTS901304	iLESSYS® Delta Working Tube Shaft, straight 90°, radiolucent	L 91 mm / ID 10.2 mm / OD 13.7 mm	1
WTS901304.1	iLESSYS® Delta Working Tube complete, straight 90°, radiolucent	L 124 mm / ID 10.2 mm / OD 13.7 mm	1
WTS901304.2	iLESSYS® Delta Working Tube complete, straight 90°, stainless steel	L 124 mm / ID 10.2 mm / OD 13.7 mm	1
WTS901304.3	iLESSYS® Delta Working Tube Shaft, straight 90°, stainless steel	L 91 mm / ID 10.2 mm / OD 13.7 mm	1
WTS12758500	Working Tube with Handle, Short Lip	L 125 mm / ID 7.5 mm / OD 8.5 mm	1
WTS12758530	Working Tube with Handle, oblique 30°	L 125 mm / ID 7.5 mm / OD 8.5 mm	1
WTS12758545	Working Tube with Handle, oblique 45°	L 125 mm / ID 7.5 mm / OD 8.5 mm	1

TESSYS® Working Tubes

WTC186474	Working Tube Chisel, Fork Tip	WL 186 mm / ID 6,5 mm, serrated tip / OD 7.8 mm	1
WTS178070	Working Tube with handle, teeth 6x	WL 183 mm / ID 8.3 mm / OD 9.3 mm	1
WTS217500	TESSYS® XT Working Tube with Handle	fenestrated, L 208 mm / ID 6.5 mm / OD 7.5 mm	1
WTS217500	Working Tube for detachable handle	WL 208 mm / ID 6.50 mm / OD 7.50 mm	1
WTT127000	Working Tube Thorax w/ Handle, standard Lip	L 121 mm / ID 6.0 mm / OD 7.0 mm	1
WTT127003	Working Tube Thorax w/ Handle, oblique 45°	L 121 mm / ID 6.0 mm / OD 7.0 mm	1

Working Tubes, Chisel

WTC185363	Working Tube, Chisel ●●	L 185 mm / ID 5.5 mm / OD 6.4 mm	1
WTC186573	Working Tube, Chisel ●	L 186 mm / ID 6.5 mm / OD 7.3 mm	1
WTC225564P	Working Tube, Chisel with Plate ●	L 221 mm / ID 5.5 mm / OD 6.4 mm	1



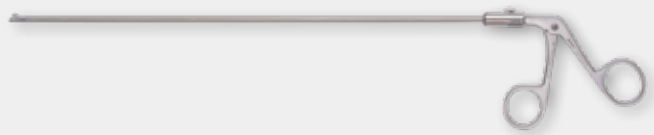


Working Tubes Tube Set

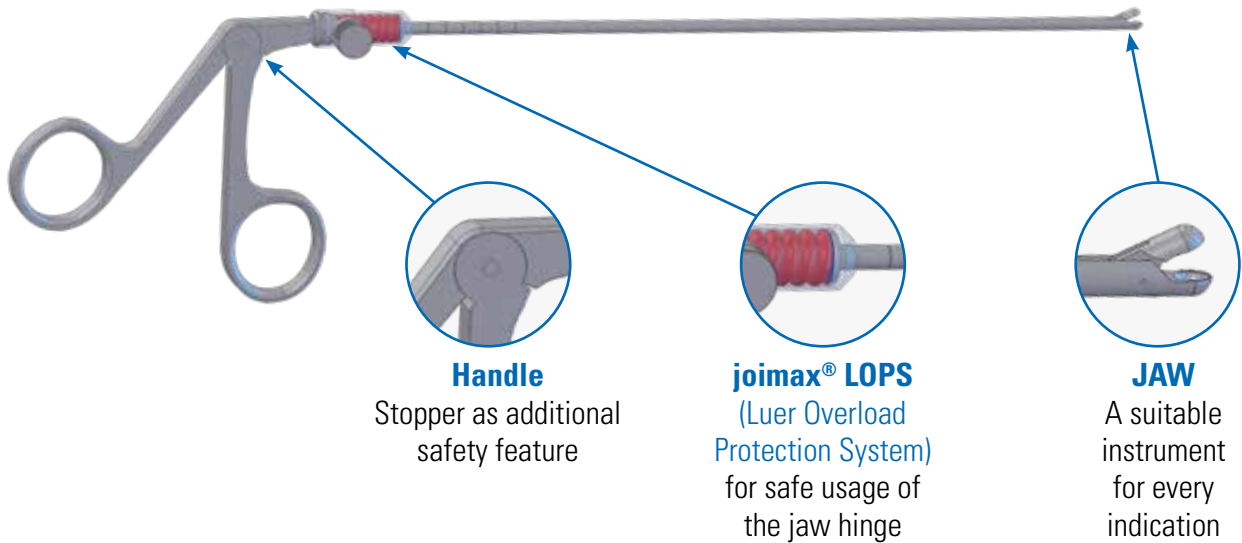
The **TESSYS®** / **iLESSYS®** Tube Set is designed for use with the **TESSYS®** or **iLESSYS®** instrument sets to maintain openings to spinal elements that have been created with different dilators and that are large enough to enter surgical instruments. They provide a “tunnel” through which the surgeon can see, locate and remove e.g. intervertebral disc or bone material. Visualization can be illuminated and magnified by using a microscope or an endoscope.

REF	Description	Dimensions	Pcs.
JMTUBESET	joimax® TESSYS® and iLESSYS® Tube Set •• Set		1
Tube Set			
DTC218952	Dilation Tube, conical	L 210 mm / ID 5.2 mm / OD 8.9 mm	1
DTC201290	Dilation Tube, conical	L 200 mm / ID 9.0 mm / OD 11.9 mm	1
DTC191512	Dilation Tube, conical	L 190 mm / ID 12 mm / OD 14.9 mm	1
DTEQ199010	EndoLIF Dilation Tube	L 190 mm / ID 10 mm / OD 13 mm	1
DTEQ199013	EndoLIF Dilation Tube	L 190 mm / ID 9 mm / OD 12.8 mm	1
DTEQ181215	EndoLIF Dilation Tube	L 180 mm / ID 12 mm / OD 14.8 mm	1
WTD151615	Working Tube	L 161 mm / ID 15 mm / OD 16 mm	1
WTA151615	Working Tube Adaptor	L 40 mm / ID 6.5 mm / OD 16 mm	1





Forceps & Punches








REF	Description	Dimensions	Pcs.
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Forceps

JSF3303520	Steerable +/- 35° (Biopsy 20°), up-biting	WL 330 mm / OD 3.5 mm / JL 3.0 mm	 1
JSF3303520D	Steerable +/- 35° (Biopsy 20°), down-biting	WL 330 mm / OD 3.5 mm / JL 3.0 mm	 1
JFA25030	Angled, 30°	WL 250 mm / OD 6.0 mm / JL 11.5 mm	 1

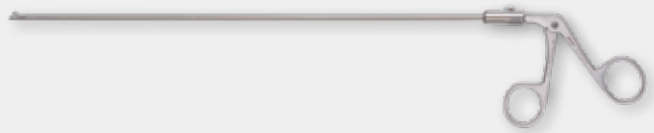
Grasper Forceps semi-flexible

TFG242522U	Semi-Flexible Grasper Forceps, curved, up-biting	WL 240 mm / OD 2.7 mm / Helix 2.5 mm	1
TFG292522		WL 290 mm / OD 2.7 mm / Helix 2.5 mm	1
TFG322522H	Semi-Flexible Biopsy Forceps, up-biting	WL 320 mm / OD 2.5 mm / Helix 2.5 mm	1
CFG212035U	curved, up-biting	WL 215 mm / OD 2.0 mm / Helix 2.5 mm	 1
TFG272522U	curved, up-biting ●●●	WL 275 mm / OD 2.7 mm / Helix 2.5 mm	 1
TFG322522U	curved, up-biting ●●●	WL 320 mm / OD 2.5 mm / Helix 2.5 mm	1
TFG322522VL	curved, up-biting	WL 320 mm / OD 2.7 mm / Helix 2.5 mm / 45° left	1
TFG322522VR	curved, up-biting	WL 320 mm / OD 2.7 mm / Helix 2.5 mm / 45° right	1
TFG322522V	curved, vertical ●●	WL 320 mm / OD 2.5 mm / Helix 2.5 mm	 1
TFG322522H	curved, horizontal ●●	WL 320 mm / OD 2.5 mm / Helix 2.5 mm	 1
TFF323025	straight, vertical, bi-parting ●●	WL 320 mm / OD 3.0 mm / Helix 2.5 mm	 1





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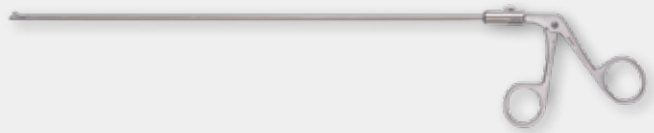
Forceps & Punches

REF	Description	Dimensions	Pcs.
Grasper Forceps with LOPS function*			
TCF322755	Crocodile	WL 320 mm / OD 2.7 mm / JL 5.85 mm	1 
TCF352755	Crocodile	WL 350 mm / OD 2.7 mm / JL 5.85 mm	1
TFC322755	Crocodile, curved, semi-flexible	WL 320 mm / OD 2.7 mm / JL 5.85 mm	1
TFG243021	Grasper Forceps, 2-1 teeth	WL 240 mm / OD 3.0 mm / JL 4.8 mm / LOPS	1
TFG323021	TESSYS® Grasper Forceps, 2-1 Teeth	WL 320 mm / OD 3.0 mm / JL 4.8 mm / LOPS	1
TFG323021	TESSYS® Grasper Forceps, 2-1 toothing	WL 320 mm / OD 3.0 mm / JL 4.8 mm / LOPS	1
THG242555	Grasper Forceps, Spoon	AL 240mm / AD 2,5 mm / ML 5,8 mm / LOPS	1
Biopsy Forceps "Spoon" with LOPS function*			
CGF232020D	down-biting •	WL 215 mm / OD 2.0 mm / JL 2.0 mm	1 
CGF222020U	up-biting •	WL 215 mm / OD 2.0 mm / JL 2.0 mm	1
CGF232020U	up-biting •	WL 230 mm / OD 2.0 mm / JL 2.0 mm	1
SJF132730		WL 130 mm / OD 2.7 mm / JL 6.0 mm	1
THG322555	spoon	WL 320 mm / OD 2.5 mm / JL 5.85 mm	1
THG323555	spoon •••	WL 320 mm / OD 3.5 mm / JL 5.5 mm	1
Biopsy Forceps "Spoon" with LOPS function*			
BFS183081		WL 175 mm / OD 3.4 mm / JL 4.25 mm	1 
BFS185081	•	WL 175 mm / OD 4.5 mm / JL 5.5 mm	1
BFS233081	••	WL 230 mm / OD 3.4 mm / JL 4.25 mm	1
BFS235081	•••	WL 230 mm / OD 4.5 mm / JL 5.5 mm	1
CBF232020D	down-biting •	WL 215 mm / OD 2.0 mm / JL 2.0 mm	1
CBF232020U	up-biting •	WL 230 mm / OD 2.0 mm / JL 2.0 mm	1
CGF222035	up-biting	WL 220 mm / OD 2.0 mm / JL 3.5 mm	1
THF242041	angled	WL 240mm / OD 2.5mm / JL 4.0mm / 45° angled / LOPS	1
THF242541	biopsy forceps, spoon	WL 240 mm / OD 2.5 mm / JL 4.0 mm / LOPS	1
THF272541	biopsy forceps, spoon	WL 275 mm / OD 2.5 mm / JL 4.0 mm / LOPS	1 
THF272541	••	WL 275 mm / OD 2.5 mm / JL 4.0 mm	1
THF292541	•	WL 290 mm / OD 2.5 mm / JL 3.35 mm	1
THF292541L	down-biting	WL 290 mm / OD 2.5 mm / JL 4.0 mm	1
THF293541	•	WL 290 mm / OD 3.4 mm / JL 6.5 mm	1
THF293541D	down-biting	WL 295 mm / OD 3.5 mm / JL 4.0 mm	1
THF322541	•••	WL 320 mm / OD 2.5 mm / JL 4.0 mm	1
THF322541	•••	WL 320 mm / OD 2.5 mm / JL 3.35 mm	1

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Forceps & Punches

REF	Description	Dimensions	Pcs.
THF322541D	down-biting	WL 320 mm / OD 2.5 mm / JL 4.0 mm	1
THF322541L	long spoon	WL 320 mm / OD 2.5 mm / JL 4.0 mm	1
THF323541	biopsy forceps, spoon	WL 270 mm / OD 3.4 mm / JL 4.25 mm / LOPS	1
THF323541	••	WL 320 mm / OD 3.4 mm / JL 4.25 mm	1
THF323541L	long spoon	WL 320 mm / OD 3.5 mm / JL 4.0 mm / LOPS	1
THF323541D	down-biting	WL 320 mm / OD 3.5 mm / JL 4.0 mm	1
THG292555	•	WL 290 mm / OD 2.5 mm / JL 5.85 mm	1
THG293555	•	WL 295 mm / OD 3.5 mm / JL 5.5 mm	1
THG323555	grasper forceps, spoon	WL 320 mm / OD 3.5 mm / JL 5.5 mm / LOPS	1

Biopsy Forceps "Spoon", angled 45° with LOPS function*

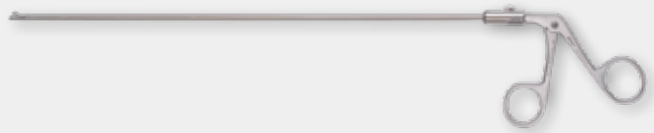
THF192041	•	WL 190 mm / OD 2.0 mm / JL 4.0 mm	1
THF232041	••	WL 230 mm / OD 2.0 mm / JL 4.0 mm	1
THF272041	••	WL 275 mm / OD 2.0 mm / JL 4.0 mm	1
THF292041	•	WL 290 mm / OD 2.0 mm / JL 4.0 mm	1
THF322041	•••	WL 320 mm / OD 2.5 mm / JL 4.0 mm	1
THF352041		WL 350 mm / OD 2.0 mm / JL 4.0 mm	1

Biopsy Forceps "Blakesley" with LOPS function*

BFS203061	•	WL 197 mm / OD 2.7 mm / JL 6.5 mm	1
BFS233061	•	WL 230 mm / OD 3.5 mm / JL 6.5 mm	1
BFS243561		WL 240 mm / OD 3.5 mm / JL 6.0 mm / LOPS	1
BFS273061	••	WL 275 mm / OD 3.5 mm / JL 6.0 mm	1
BFS322761	••	WL 320 mm / OD 2.7 mm / JL 6.0 mm	1
BFS323061	••	WL 320 mm / OD 3.5 mm / JL 6.0 mm	1
BFS352761		WL 350 mm / OD 2.7 mm / JL 6.0 mm	1

Scissors with LOPS function*

SJS132724		WL 130 mm / OD 2.7 mm	1
THS272550	•••	WL 275 mm / OD 2.5 mm / JL 5.0 mm	1
THS292550		WL 290 mm / OD 2.5 mm / JL 5.0 mm	1
THS322550	••	WL 320 mm / OD 2.5 mm / JL 5.0 mm	1
THS322550	Hook Scissor	WL 320 mm / OD 2.5 mm / JL 5.0 mm / LOPS	1



Forceps & Punches

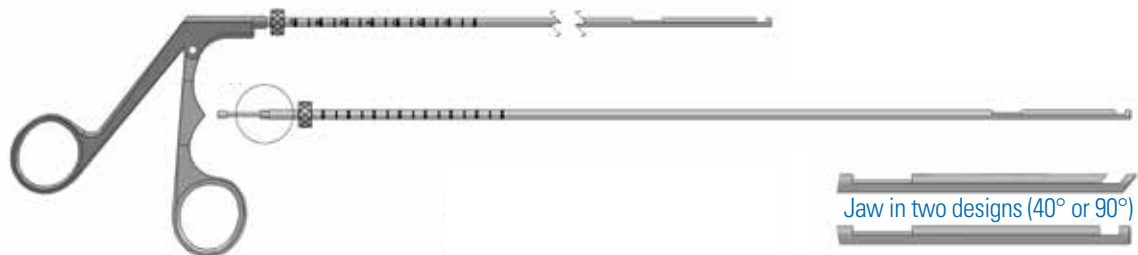
REF	Description	Dimensions	Pcs.
Punch with LOPS function*			
CTP222040	Eagle Hook Punch ●	WL 215 mm / OD 2.0 mm / JL 4.0 mm	1
SJP132718	●	WL 130 mm / OD 2.7 mm / JL 4.0 mm	1
SJP132714	with scoop ●	WL 130 mm / OD 2.7 mm / JL 5.0 mm	1
SJP132761	Tissue Punch Blakesley ●	WL 130 mm / OD 2.7 mm / JL 6 mm	1
THP242555	Punch	240mm / OD 2.5mm / FP 2.5mm / JL 5.0mm / 12.5° / LOPS	1
THP292545	●	WL 290 mm / OD 2.5 mm / JL 5.0 mm	1
THP293545	●	WL 290 mm / OD 3.4 mm / JL 6.0 mm	1
THP323545	●	WL 320 mm / OD 3.5 mm / JL 4.5 mm	1
THP322545	●●	WL 320 mm / OD 2.5 mm / JL 5.0 mm	1
THP272545	Punch ●●●	WL 275 mm / OD 2.5 mm / JL 5.0 mm	1

* On special request the listed forceps are available also as custom made products in the lengths of 275 mm, 290 mm or 350 mm

Endo-Kerrison-Punch

EKP323540	40° ●●	WL 320 mm / OD 3.5 mm	1
EKP273590	90° ●●	WL 275 mm / OD 3.5 mm	1
EKP323590	90° ●●	WL 320 mm / OD 3.5 mm	1

Tubular shaft can be ordered separately



Jaw in two designs (40° or 90°)

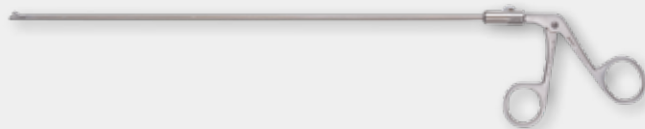
EKH350000	Endo-Kerrison-Ring Handle	OD 3.5 mm	1
EKH550000	Endo-Kerrison Pistol Handle	OD 5.5 mm	1

EKS24303040	CESSYS® Endo-Kerrison Shaft	WL 240 mm / OD 3.0 mm / FP 3.0 mm / 40°	1
EKS24303040CU	Endo-Kerrison Shaft	WL 240 mm / OD 3.0 mm / FP 3.0 mm / 40° / curved	1
EKS24351540	CESSYS® Endo-Kerrison Shaft	WL 240 mm / OD 3.5 mm / FP 1.5 mm / 40°	1
EKS24404040	CESSYS® Endo-Kerrison Shaft	WL 240 mm / OD 4.0 mm / FP 4.0 mm / 40°	1
EKS24551540	Endo-Kerrison-Shaft	WL 240 mm / OD 5.5 mm / F 1.5 mm / 40°	1

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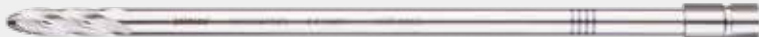


Forceps & Punches

REF	Description	Dimensions	Pcs.
EKS24551590	Endo-Kerrison-Shaft	WL 240 mm / OD 5.5 mm / F 1.5 mm / 90°	1
EKS24553040	Endo-Kerrison-Shaft	WL 240 mm / OD 5.5 mm / F 3.0 mm / 40°	1
EKS24553090	Endo-Kerrison-Shaft	WL 240 mm / OD 5.5 mm / F 3.0 mm / 90°	1
EKS27303040	Endo-Kerrison iLESSYS® PRO	WL 275 mm / OD 3.0 mm / F 3.0 mm / 40°	1
EKS27303040CU	Curved Endo-Kerrison iLESSYS® PRO	WL 275 mm / OD 3.0 mm / F 3.0 mm / 40° / curved	1
SEK273540	Endo-Kerrison-Shaft	WL 275 mm / OD 3.5 mm / 40°	1
SEK273540.	Endo-Kerrison-Shaft	WL 275 mm / OD 3.5 mm / 40°	1
SEK273590	Endo-Kerrison-Shaft	WL 275 mm / OD 3.5 mm / 90°	1
SEK323540	Endo-Kerrison-Shaft	WL 320 mm / OD 3.5 mm / 40°	1
SEK323590	Endo-Kerrison-Shaft	WL 320 mm / OD 3.5 mm / 90°	1
SEK323590.	Endo-Kerrison-Shaft	WL 320 mm / OD 3.5 mm / 90°	1





Bone Drills cannulated

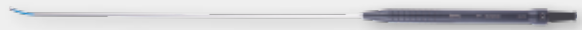
REF	Description	Dimensions	Pcs.
Sterile			
DCC114021	joimax® Bone Drill 4.0 mm, cannulated, sterile	L 210 mm / ID 1.0 mm / OD 4.0 mm	1
Unsterile (also offered sterile)			
DCC214024	joimax® Bone Drill	L 210 mm / ID 1.0 mm / OD 4.0 mm	1
DCC215524	joimax® Bone Drill	L 210 mm / ID 2.4 mm / OD 5.5 mm	1
DCC241121	joimax® Bone Drill	L 210 mm / ID 2.4 mm / OD 10.5 mm	1
DCC245521	joimax® Bone Drill	L 210 mm / ID 2.4 mm / OD 5.5 mm	1
			
DCC216524	joimax® Bone Drill	L 210 mm / ID 2.4 mm / OD 6.4 mm	1
DCC246521	joimax® Bone Drill	L 210 mm / ID 2.4 mm / OD 6.5 mm	1
			
DCC217524	joimax® Bone Drill	L 210 mm / ID 2.4 mm / OD 7.5 mm	1
DCC247521	joimax® Bone Drill	L 210 mm / ID 2.4 mm / OD 7.5 mm	1
			
DCC218924	joimax® Bone Drill	L 210 mm / ID 2.4 mm / OD 8.9 mm	1
DCC248521	joimax® Bone Drill	L 210 mm / ID 2.4 mm / OD 8.5 mm	1
			
DCC248921	joimax® Bone Drill 8.9 mm, cannulated, unsterile	L 210 mm / ID 2.4 mm / OD 8.9 mm	1
			

Other drills are disposable products and can be found in chapter Disposables.

Color coding of the joimax® endoscopic spinal systems:

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Definition: L = Length / W = Width / H = height / WL = Working Length / D = Diameter / ID = Inner Diameter / OD = Outer Diameter / WChD = Working Channel / IC = Irrigation Channel / JL = Jaw Length



RF Instruments – Vaporflex®

REF	Description	Dimensions	Pcs.
JVH28030	Vaporflex® Set 275 for iLESSYS® Systems	WL 275 mm / OD 3.0 mm	1
JVHS28030	Vaporflex® Shaft 275	L 275 mm / OD 3.0 mm	1
JVH32030	Vaporflex® Handle and Shaft	L 320 mm / OD 3.0 mm	1
JVUH10010	Vaporflex® Handle		1
JVHS32030	Vaporflex® Shaft 320	L 320 mm / OD 3.0 mm	1
JVHS27527S	Vaporflex® Irrigation Shaft 275	L 275 mm / OD 2.6 mm	1
JVC35010	Vaporflex® Cable, Plug for joimax® Endovapor®	L 3.5 m	1
JVC35020	Vaporflex® Cable, Plug for joimax® Endovapor®2	L 3.5 m	1
VLTC3816	Vaporflex® / Legato® Sterilization Tray with Lid	L 380 mm / W 162 mm / H 45 mm	1
JVHP10023	Vaporflex® Spare Sealing Rings for Handle	consisting: 3 Seals and 3 O-rings	1
JVHP10012	Vaporflex® Sealing for Handle	1.2 mm	1

JVHS28030

JVHS27527S

JVUH10010

Cable
JVC35020

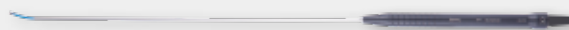
JVK1-280	Vaporflex® KIT 1 for joimax® Endovapor® incl. JVUH10010, JVHS28030, JVC35010, VLTC3816, JVHP10023
JVK1-320	Vaporflex® KIT 1 for joimax® Endovapor® incl. JVUH10010, JVHS32030, JVC35010, VLTC3816, JVHP10023
JVK1-275	Vaporflex® KIT 1S for joimax® Endovapor® incl. JVUH10010, JVHS27527S, JVC35010, VLTC3816, JVHP10023
JVK2-320	Vaporflex® KIT 2 for joimax® Endovapor®2 incl. JVUH10010, JVHS32030, JVC35020, VLTC3816, JVHP10023
JVK2-275	Vaporflex® KIT 2S for joimax® Endovapor®2 incl. JVUH10010, JVHS27527S, JVC35020, VLTC3816, JVHP10023
JVK2-280	Vaporflex® KIT 2S for joimax® Endovapor®2 incl. JVUH10010, JVHS28030, JVC35020, VLTC3816, JVHP10023

Probes can be ordered separately. For more details see chapter “Disposables”.

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RF Instruments – Legato®

REF	Description	Dimensions	Pcs.
JMPH352502	Legato® Hand Piece, monopolar / L=3,5 m cable	Plug joimax® RF-Generator	1
JMPH352503	Legato® Hand Piece, monopolar	Plug Erbe / L 3.5 m Cable	1
JMPH352504	Legato® Hand Piece, monopolar	Plug joimax® Endovapor®2/ Valleylab / L 3.5 m Cable	1
JMPH352505	Legato® Hand Piece, monopolar	Plug KLS Martin, Aesculap, Berchthold, Integra, Meyer-Haacke / L 3.5 m cable	1



Legato® Hand Piece, monopolar



JMPH352503
Plug Erbe



JMPH352505
Plug KLS Martin / Aesculap /
Berchthold, Integra, Meyer-Haacke

JBPH352505	Legato® Hand Piece, bipolar	Plug joimax® Endovapor® / L 3.5 m Cable	1
JBPH352506	Legato® Hand Piece, bipolar	Plug joimax® Endovapor®2 / L 3.5 m Cable	1


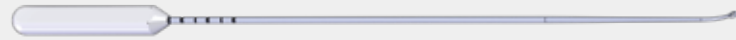

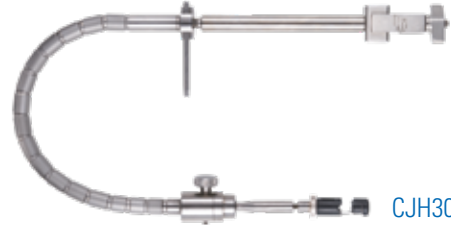




Legato® Hand Piece, bipolar

Probes can be ordered separately. For more details see chapter "Disposables".



Other Instruments

REF	Description	Dimensions	Pcs.
BHR4137	Ball Handle for Reamer	Quick-Lock-System	1
			
CEC222028	Curette	L 230 mm / OD 2.0 mm	1
			
CEE232015	Elevator ●●	L 230 mm / OD 2.0 mm	1
			
CIH300607	Instrument Holder	WL 200 mm	1
CIH300607.1	Instrument Holder Handle	WL 200 mm	1
CIH300607.2	Instrument Holder Cone		1
CIH300607.3	Instrument Holder Cap		1
			
	CJH300607		
CNH231512	Examining Hook ●●	L 221 / OD 2.0 mm	1
			
CMH150170	CESSYS® Metal Hammer ●	150 g / L 170 mm / blue cap	1
			

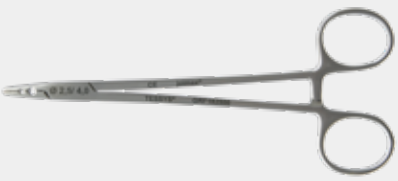



Color coding of the joimax® endoscopic spinal systems:

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Other Instruments

REF	Description	Dimensions	Pcs.
DEE264519C	Endo-Elevator blunt	WL 260 mm / OD 4.5 mm / JL 19 mm	
DEE293519C	Endo-Elevator blunt	WL 295 mm / OD 3.5 mm / JL 19 mm	
GRF182500*	TESSYS® Guiding Rod Forceps ●●●●	WL 180 mm / bore for 2.5 mm and 4.0 mm guiding rod	1
			
LLC010	Sealing Cap for Luer-Lock	OD 10 mm	
JAF180023	Tweezer ●●●●●	L 180 mm / W 2.3 mm	1
			
JCH330400.01	Slide Hammer	for JCH330400	1
JCH330400.02	Guiding Bar	for JCH330400	1
JCPH221021C	Cage Pusher Head concave	L 22 mm / W 10 mm / H 8 mm / ID 2.1 mm	1
JDA243516	Dissector	WL 240 mm / OD 3.50 mm	1
JDA273515	Dissector ●●	L 275 mm / OD 3.5 mm	1
JDA323515	Dissector	L 320 mm / OD 3.5 mm	1
JDA323515.	Endo-Elevator blunt, without Handle	WL 260 mm / OD 4.5 mm / JL 19 mm	1
JDA363515	Dissector	WL 360 mm / OD 3.5 mm	1
			
JFST061427	Stopper for Forceps ●●●●●	W 6.0 mm / OD 14.0 mm / ID 2.7 mm	1
JFST061434	Stopper for Forceps ●●●●	W 6.0 mm / OD 14.0 mm / ID 3.4 mm	1
JFST061445	Stopper for Forceps	W 6.0 mm / OD 14.0 mm / ID 4.5 mm	1
JHS212030	Hook Scissor	WL 210 mm/OD 2.0 mm/JL 3.0 mm, LOPS	1
JMPS1022ST	T-Handle with Torque Limiter	L 150 mm / W 122 mm	1
			

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Other Instruments

REF	Description	Dimensions	Pcs.
JMGBMK-DR	Drill	for joimax® Guardian Kyphoplastie Set	1
JMPS1024ST	Palm-Handle with Ratchet	L 100 mm / OD 40 mm	1
JMSDL001	Silicone Sealing Cap for Luer-Lock, blue		
JOT400130	Osteotome with blue Handle	W 13 mm, L 404 mm +/- 5 mm	1
JOT400190	Osteotome with blue Handle	W 19 mm, L 404 mm +/- 5 mm	1
JOT400250	Osteotome with blue Handle	W 25 mm, L 404 mm +/- 5 mm	1
JOT400320	Osteotome with blue Handle	W 30 mm, L 404 mm +/- 5 mm	1
RHC108590	TESSYS® Reamer Handle XT, cannulated ●●● Quick-Lock-System, pull-release		1
RHC107090	TESSYS® Reamer Handle, cannulated ● Quick-Lock-System, pull-release		1
RHC108080	TESSYS® Reamer Handle, cannulated Quick-Lock-System, push-release		1
RHC107090	TESSYS® Reamer Handle, cannulated, Quick-Lock-System, pull-release		1
RHD101236	Wing Handle for Reamer	Quick-Lock-System	1
SFA253040	Multiflex Holding Arm ● for Scopes and/or Working Tubes standard mounting		1
TEA212503	Awl, without Handle ●	L 210 mm / OD 2.5 mm	1
TEA252610	Awl, without Handle ●●	L 250 mm / OD 2.6 mm	1
TEA253010	Awl, without Handle ●●●	L 250 mm / OD 3.0 mm	1
TEA372610	Awl, without Handle ●●●	L 370 mm / OD 2.6 mm	1
TEC362615	Endo-Chisel with handle, curved	WL 330 mm / OD 2.60 mm	1
TEC372620	Endo-Chisel, without Handle ●●	L 370 mm / OD 2.6 mm	1

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Other Instruments

REF	Description	Dimensions	Pcs.
TEC372620.	Endo-Chisel with handle, curved	WL 330 mm / OD 2.60 mm	1
TEC373020	Endo-Chisel, without Handle ●●	L 370 mm / OD 3.0 mm	1
TECH12121	Multifunctional Palm Handle ●●●●	L 107.5 mm / OD 20.0 mm / Quick-Lock	1
TEE242620	Endo-Elevator blunt, without Handle	WL 240 mm / OD 2.6 mm	1
TEE263020	Endo-Elevator blunt, without Handle	L 260 mm / OD 3.0 mm	1
TEE362620	Endo-Elevator blunt, without Handle	L 360 mm / OD 2.6 mm	1
TEE373020	Endo-Elevator blunt, without Handle ●●	L 360 mm / OD 3.0 mm	1
TEE372620	Endo-Elevator blunt, without Handle ●●	L 370 mm / OD 2.6 mm	1
TEFB2065B	Clip for TESSYS® Endo-Flexprobe Handle ●●●●		1
TEFH45025	TESSYS® Endo-Flexprobe Handle ●●●●	L 460 mm / OD 3.0 mm / ID 2.2 mm	1
TEFP32016	Endo-Flexprobe, standard	L 320 mm / OD 1.6 mm	1
TEFP32020	Endo-Flexprobe, standard ●●●●	L 320 mm / OD 2.0 mm	1
TES372620	Endo-Spatula, without Handle ●●	L 370 mm / OD 2.6 mm	1
TFG293023	TESSYS® Semi-Flexible Grasper	bi-parting, Helix 2.5 mm	1
TFG322522 A	Shaft Semi-flexible Grasper	WL 320 mm / OD 2.7 mm / Helix 2.5 mm	1
TFG323023	Semi-Flexible straight Grasper Forcep	bi-parting, helix 2.5 mm	1
THA202535	Awl, without Handle	L 200 mm / OD 2.5 mm	1
THA202536	Awl, curved, without Handle	L 200 mm / OD 2.5 mm	1
THE272523	Elevator, small	L 270 mm / OD 2.5 mm / JL 2.3 mm	1
THE292523	Elevator, small ●	L 295 mm / OD 2.5 mm / JL 2.3 mm	1
THE293533	Elevator, large	L 295 mm / OD 3.5 mm / JL 3.3 mm	1
THE322523	Elevator, small ●	L 320 mm / OD 2.5 mm / JL 2.3 mm	1
THE322523.	Elevator, small	L 270 mm / OD 2.5 mm / JL 2.3 mm	1

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Other Instruments

REF	Description	Dimensions	Pcs.
THE323523	Elevator, large	L 320 mm / OD 3.5 mm / JL 3.3 mm	1
THE323533	Elevator, large	L 320 mm / OD 3.5 mm / JL 3.3 mm	1
THS272550 A	Shaft Hook Scissor	WL 275 mm / OD 2.5 mm / JL 5.0 mm, LOPS	1
THS292550	Hook Scissor	WL 290 mm / OD 2.5 mm / JL 5.0 mm, LOPS	1
THS322550	Hook Scissor	WL 320 mm / OD 2.5 mm / JL 5.0 mm, LOPS	1
TMH200170B	Metal Hammer ●●●●	200 g / L 170 mm / blue cap	1
TMH600228	TESSYS® Metal Hammer	600 g / L 228 mm	1
TMHC2208B	TESSYS® Metal Hammer Cap	blue bumper, screwable	1
TNH242530	NiTi Nerve Hook, superelastic	WL 240 mm / OD 2.5 mm	1
TNH262548	NiTi Nerve Hook, superelastic	WL 260 mm / OD 2.5 mm / JL 4.8 mm	1
TNH292525	NiTi Nerve Hook, superelastic ●	L 295 mm / OD 2.5 mm / JL 2.5 mm	1
TNH293530	NiTi Nerve Hook, superelastic ●	L 295 mm / OD 3.5 mm / JL 3.5 mm	1
TNH322533	NiTi Nerve Hook, superelastic ●●	L 320 mm / OD 2.5 mm / JL 3.3 mm	1
TNH322533.	NiTi Nerve Hook, superelastic	WL 270 mm / OD 2.5 mm / JL 3.3 mm	1
TNH362630	NiTi Nerve Hook, superelastic	L 395 mm / OD 2.5 mm / JL 3.3 mm	1
TNP292525	NiTi Nerve Probe, superelastic	L 295 mm / OD 2.5 mm / JL 2.5 mm	1
TSR25010	TESSYS® Steel Ruler ●●●	L 200 mm	1
TRPH25100	Palm Handle ●●●●●●	L 100 mm / ID 25.0 mm	1
JSBDS3222	Deflector Shaft	L 305 mm / OD 3.5 mm	1
JSBDD3235	Deflector Diamond Abrasor	L 320 mm / OD 3.0 mm, Disposable	5
JSBDR3235	Deflector Resector	L 320 mm / OD 3.0 mm, Disposable	5

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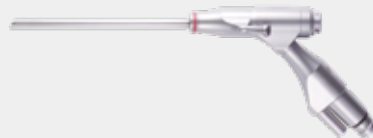


joimax® Endoscopes

The joimax® HD endoscopes provide high depth of field, excellent brightness (no loss of brightness at the edges) and brilliance. Moreover, joimax® HD endoscopes have a very solid structure and are extremely durable.



ENDOSCOPES



Foraminoscopes®

A

Laminoscopes®

B

Multiscopes

C

Cervicalscope

D

Nucleoscope

E

Arthroscopes

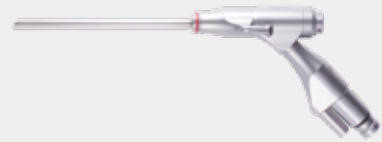
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Accessories

G

H

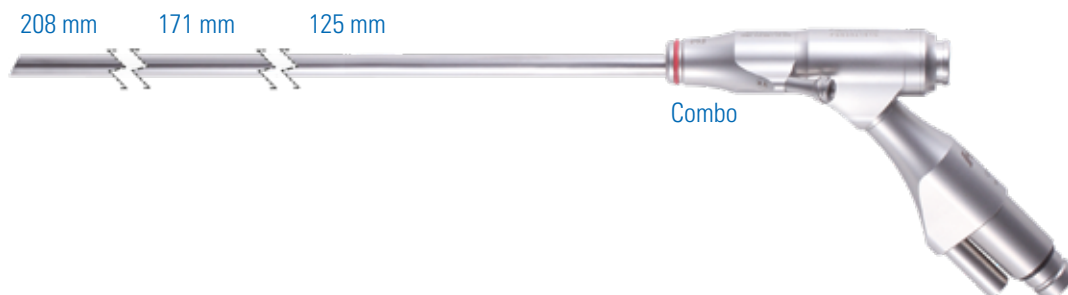
I



Foraminoscopes®

A

REF	Description	Dimensions	Pcs.
Combo			
FS5831120C	TESSYS® FHD Foraminoscope® thoracic (3.1 WCh) Combo	WL 120mm /OD 5.8mm /45° / WChD 3.1mm /2x IC 1.4mm	1
FS58311200	TESSYS® FHD Foraminoscope® thoracic (3.1 WCh)ocular	WL 120mm /OD 5.8mm /45° / WChD 3.1mm /2x IC 1.4mm	1
FHD6330171C	TESSYS® Foraminoscope® HD	WL 171 mm / OD 6.3 mm / 30° / WChD 2.7 mm / 2 x IC 1.5 mm	1
FHD63361710	Full HD Foramino- / Laminoscope®, Ocular ●●	WL 171 mm / OD 6.3 mm / 30° / WChD 3.7 mm / 2 x IC 1.5 mm	1
FHD6336171C	Full HD Foramino- / Laminoscope®, Combo ●●	WL 171 mm / OD 6.3 mm / 30° / WChD 3.7 mm / 2 x IC 1.5 mm	1
FS6330171C	HD Foramino- / Laminoscope® [2.7 mm WCh]	WL 171mm /OD 6.3mm /30° / WChD 2.7mm / 2x IC 1.5mm	1
FS6342181C	TESSYS® HD Foraminoscope®, Combo ●●	WL 171 mm / OD 6.3 mm / 30° / WChD 3.7 mm / 2 x IC 1.5 mm	1
FS6342181C-4K	4K UHD Foraminoscope®	WL 171mm /OD 6.4mm / 30° /WChD 3.7mm /2x IC 1.5mm	1



Features

- > 18 minutes autoclavable (Prion program)
- > joimax® Endoscope in **combo version** – compatible with joimax® C-Camsource® Cameras



Foraminoscopes®

A

REF	Description	Dimensions	Pcs.
Ocular			
FS63421810	TESSYS® HD Foraminoscope®, Ocular ●●	WL 171 mm / OD 6.3 mm / 30° / WChD 3.7 mm / 2 x IC 1.5 mm	1
FS63421810-4K	4K UHD Foraminoscope®	WL 171mm /OD 6.4mm / 30° /WChD 3.7mm /2x IC 1.5mm	1
FS6342181C	TESSYS® FHD Foraminoscope® (3.7 WCh), combo	WL 171mm /OD 6.3mm /30° / WChD 3.7mm /2x IC 1.5mm	1
FS6342181-15C	TESSYS® FHD Foraminoscope® (3.7 WCh), combo	WL 171mm /OD 6.3mm /15° / WChD 3.7mm /2x IC 1.5mm	1
FS63421810	TESSYS® FHD Foraminoscope® (3.7 WCh), ocular	WL 171mm /OD 6.3mm /30° / WChD 3.7mm /2x IC 1.5mm	1
FS6342181-150	TESSYS® FHD Foraminoscope® (3.7 WCh), ocular	WL 171mm /OD 6.3mm /15° / WChD 3.7mm /2x IC 1.5mm	1
FS73471710	TESSYS® HD Foraminoscope®, Ocular	WL 171 mm / OD 7.3 mm / 30° / WChD 4.7 mm / 2 x IC 1.5 mm	1
FS7347171C	TESSYS® HD Foraminoscope®, Combo	WL 171 mm / OD 7.3 mm / 30° / WChD 4.7 mm / 2 x IC 1.5 mm	1
FS7347171C.	FHD Foraminoscope® (4.7 WCh), combo	WL 171 mm / OD 7.3 mm / 30° / WChD 4.7 mm / 2 x IC 1.5 mm	1
FS73471710.	FHD Foraminoscope® (4.7 WCh), ocular	WL 171mm /OD 7.3mm /30° / WChD 4.7mm /2x IC 1.5mm	1
FS7347171-30C	FHD Foraminoscope® (4.7 WCh), combo	WL 171mm /OD 7.3mm /30° / WChD 4.7mm /2x IC 1.5mm	1
FS7347171-300	FHD Foraminoscope® (4.7 WCh), ocular	WL 171mm /OD 7.3mm /30° / WChD 4.7mm /2x IC 1.5mm	1
FS73471710	TESSYS® FHD Foraminoscope® (4.7 WCh), ocular	WL 171mm /OD 7.3mm /30° / WChD 4.7mm /2x IC 1.5mm	1

Color coding of the joimax® endoscopic spinal systems:

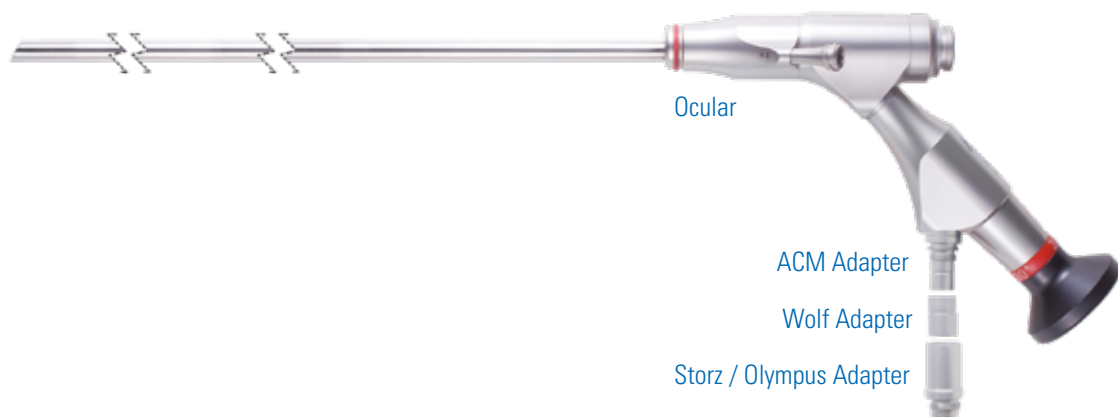
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Foraminoscopes®

REF	Description	Dimensions	Pcs.
FS7347171-15C	TESSYS® FHD Foraminoscope® (4.7 WCh), combo	WL 171mm /OD 7.3mm /15° / WChD 4.7mm /2x IC 1.5mm	1
FS7347171-15O	TESSYS® FHD Foraminoscope® (4.7 WCh), ocular	WL 171mm /OD 7.3mm /15° / WChD 4.7mm /2x IC 1.5mm	1
FX6342208C	TESSYS® HD Foraminoscope® XT, Combo •	WL 208 mm / OD 6.3 mm / 30° / WChD 3.7 mm / 2 x IC 1.5 mm	1
FX6342208C-4K	4K UHD Foraminoscope® XT (3.7 WCh), combo	WL 203mm /OD 6.4mm / 30° /WChD 3.7mm /2x IC 1.5mm	1
FX6342208O	TESSYS® HD Foraminoscope® XT, Ocular •	WL 208 mm / OD 6.3 mm / 30° / WChD 3.7 mm / 2 x IC 1.5 mm	1
FX6342208O-4K	4K UHD Foraminoscope® XT (3.7 WCh), ocular	WL 203mm /OD 6.4mm /30° / WChD 3.7mm /2x IC 1.5mm	1



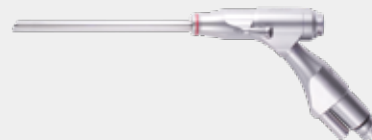
Features

> joimax® Endoscope in **ocular version** –
compatible with all standard camera systems

Color coding of the joimax® endoscopic spinal systems:

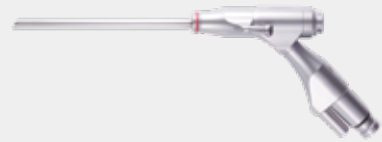
• TESBASIC • TESBASICXT • TESXTD • TESMORST • TESSMORXT • TESFTR • FASXTD1 • iLESSYSST • iLESSYSSH • CESSYSANT • MUSTD • intENTS01

Definition: L = Length / W = Width / H = height / WL = Working Length / D = Diameter / ID = Inner Diameter / OD = Outer Diameter / WChD = Working Channel / IC = Irrigation Channel / JL = Jaw Length



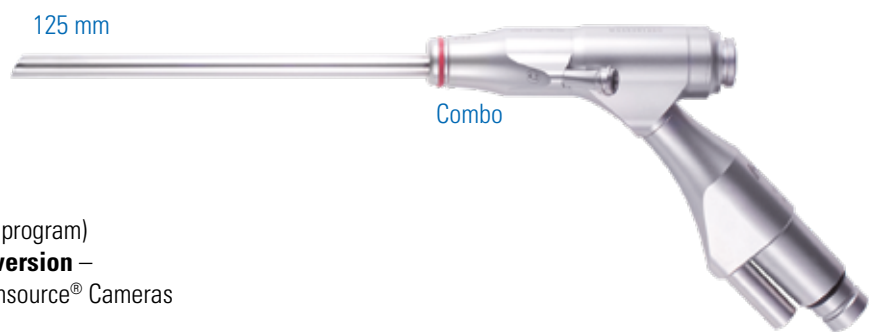
Laminoscopes®

REF	Description	Dimensions	Pcs.
Combo			
LS10001250	iLESSYS® Delta HD Laminoscope®, Ocular	L 125 mm / OD 10 mm / 0°	
LS1006065C	FHD Laminoscope® [6.0 mm WCh], combo	WL 65mm / OD 10mm / 15° / WChD 6.0mm / 2x IC 1.5mm	1
LS10060650	FHD Laminoscope® [6.0 mm WCh], ocular	WL 65mm / OD 10mm / 15° / WChD 6.0mm / 2x IC 1.5mm	1
LS10061250	iLESSYS® Delta HD Laminoscope®, Ocular	WL 125 mm / OD 10.0 mm / 15° / WChD 6.0 mm / 2x IC 2.0 mm	1
LS1006125C	iLESSYS® Delta HD Laminoscope® Delta, Combo	WL 125 mm / OD 10.0 mm / 15° / WChD 6.0 mm / 2x IC 2.0 mm	1
LS6342125C	iLESSYS® HD Laminoscope®, Combo •	WL 125 mm / OD 6.3 mm / 30° / WChD 3.7 mm / 2 x IC 1.5 mm	1
LS6342125C-4K	4K UHD Laminoscope® (3.7 WCh), combo	WL 130 mm / OD 6.4mm / 30° / WChD 3.7mm / 2x IC 1.5mm	1
Ocular			
LS63421250	iLESSYS® HD Laminoscope®, Ocular •	WL 125 mm / OD 6.3 mm / 30° / WChD 3.7 mm / 2 x IC 1.5 mm	1
LS63421250-4K	4K UHD Laminoscope® (3.7 WCh), ocular	WL 130mm / OD 6.4mm / 30° / WChD 3.7mm / 2x IC 1.5mm	1
LS7347150C	iLESSYS® Pro FHD Laminoscope® (4.7 WCh), Combo	WL 150mm / OD 7.3mm / 15° / WChD 4.7mm / 2x IC 1.5mm	1
LS73471500	iLESSYS® Pro FHD Laminoscope® (4.7 WCh), Ocular	WL 150mm / OD 7.3mm / 15° / WChD 4.7mm / 2x IC 1.5mm	1



Multiscopes

REF	Description	Dimensions	Pcs.
Combo			
MS4627170C	FHD Multiscope (4.7 WChD), combo	WL 170 mm / OD 4.6 mm / 14° / WChD 2.7 mm	1
MS5830125C	HD Multiscope, Combo •	WL 125 mm / OD 5.8 mm / 30° / WChD 3.1 mm / 2 x IC 1.4 mm	1

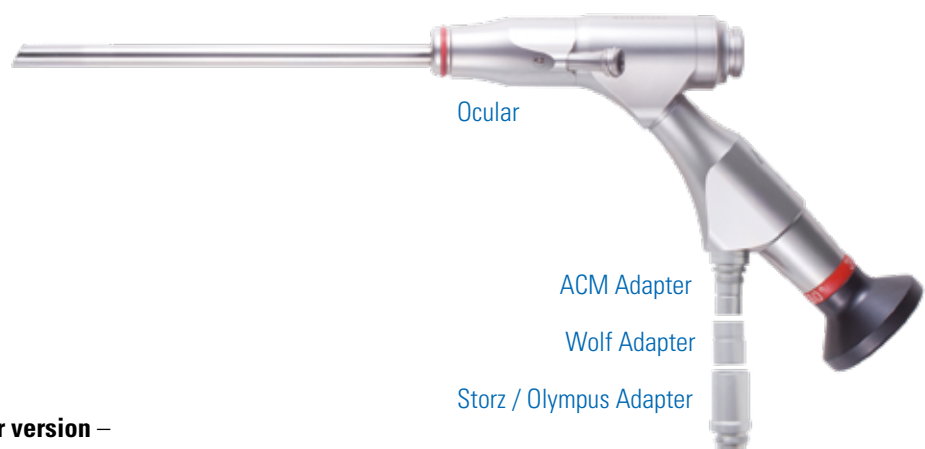


Features

- > 18 minutes autoclavable (Prion program)
- > joimax® Endoscope in **combo version** – compatible with joimax® C-Camsource® Cameras

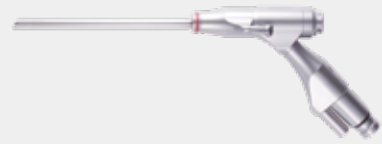
Ocular

MS58301250	FHD Multiscope [3.1 mm WCh] with Ocular •	WL 125mm /OD 5.8mm /30° / WChD 3.1mm /2x IC 1.4mm	1
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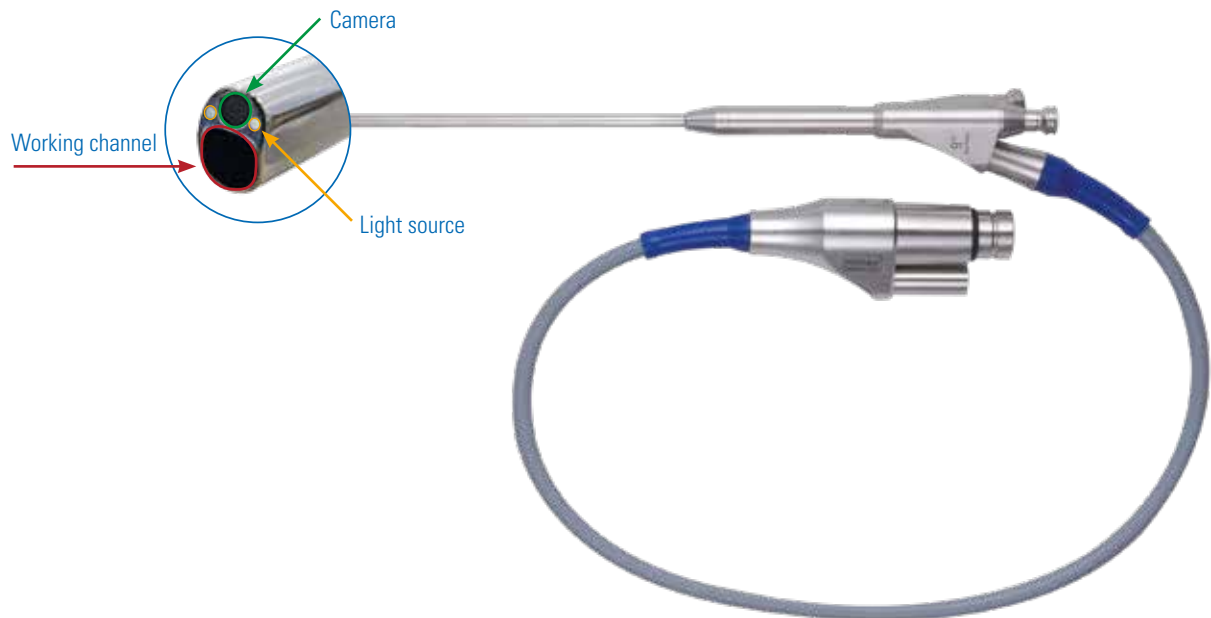
Features

- > joimax® Endoscope in **ocular version** – compatible with all standard camera systems



Cervicalscope Hybrid

REF	Description	Dimensions	Pcs.
Combo			
CH402100C	CESSYS® Cervical Hybrid Scope, Combo autoclavable •	WL 100 mm / OD 3.9 mm / WChD 2.1 mm / 9°	1
CH402150C	FHD Hybrid Scope, combo	WL 150 mm / OD 2.6 / 3.9 mm / WChD 2.1 mm / 9°	1
CN4021100C	CESSYS® Cervical Scope autoclavable	OD 3.6 mm / WChD 2.2 mm / AL 100 mm,	1
LS7347068C	CESSYS® Dorsal FHD Laminoscope® (4.7 WCh), combo	WL 68mm /OD 7.3mm /15° / WChD 4.7mm /2x IC 1.5mm	1
Ocular			
LS7347068O	CESSYS® Dorsal FHD Laminoscope® (4.7 WCh), ocular	WL 68mm /OD 7.3mm /15° / WChD 4.7mm /2x IC 1.5mm	1





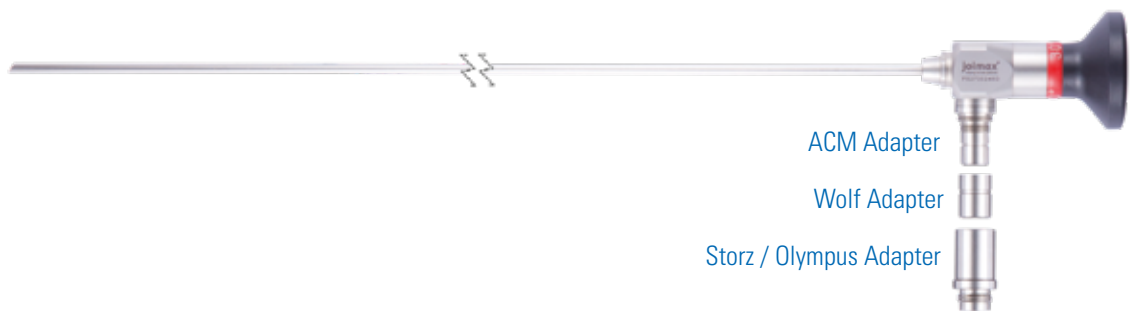
Nucleoscope

REF	Description	Dimensions	Pcs.
Combo			
PS1909132C	FHD Nucleoscope [1.9 mm OD], Combo	WL 132 mm / OD 1.9 mm / 9°	1
PS2730246C	HD Nucleoscope, Combo •	WL 246 mm / OD 2.7 mm / 30°	1
PS1909132C	HD Nucleoscope, Combo for intENTS® Cervical	WL 132 mm / OD 1.9 mm / 9°	1



Ocular

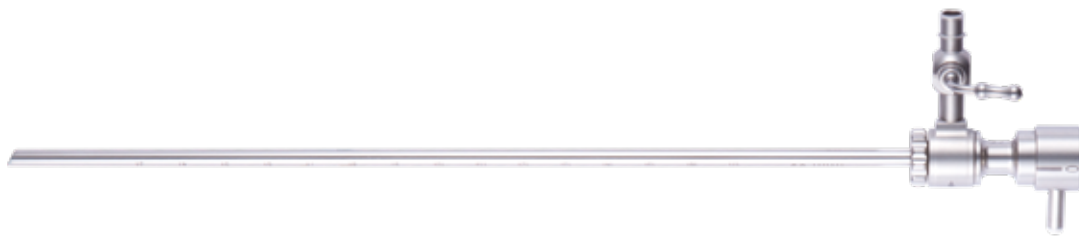
PS27302460	HD Nucleoscope, Ocular •	WL 246 mm / OD 2.7 mm / 30°	1
PS19091320	HD Nucleoscope, Ocular for intENTS® Cervical	WL 132 mm / OD 1.9 mm / 9°	1
PS27302460	FHD Nucleoscope [2.7 mm OD] Ocular •	WL 246 mm / OD 2.7 mm / 30°	1





Nucleoscope

REF	Description	Dimensions	Pcs.
Nucleoscope Shaft			
PSD4030246	Shaft with Rinse Connection for Nucleoscope •	OD 4.0 mm / ID 3.6 mm / 45°	1
PSD272110	Shaft with Rinse Connection for Nucleoscope cervical •	OD 2.7 mm / ID 2.1 mm / 45°	1



Obturator cannulated

PSO273002	Obturator • for Nucleoscope Shaft	OD 3.5 mm / ID 1.0 mm	1
PSO2010135	Obturator • for Nucleoscope Shaft cervical	OD 2.0 mm / ID 1.0 mm	1





Arthroscopes

REF	Description	Dimensions	Pcs.
AS263091	Arthroscope, Combo	WL 91 mm / OD 2.6 mm / 30°	1
AS4000175	Arthroscope, Combo	WL 175 mm / OD 4 mm / 0°	1
AS4030175	Arthroscope, Combo	WL 175 mm / OD 4 mm / 30°	1
AS4045175	Arthroscope, Combo	WL 175 mm / OD 4 mm / 45°	1
AS4070175	Arthroscope, Combo	WL 175 mm / OD 4 mm / 70°	1





Accessories

REF	Description	Dimensions	Pcs.
ASB002110	Shaft-Obturator for Arthroscope Shaft, blunt	WL 110 mm / ID 2.7 mm	1
ASB004175	Shaft-Obturator for Arthroscope Shaft, blunt	WL 175 mm / ID 4 mm	1
AST307740	Arthroscope Tray	L 298 mm / W 77 mm / H 38.5 mm Distance between Holder: 161mm	1
AST221450	Arthroscope Tray	suitable for Arthroscopes L 110 mm	
AST281255	Arthroscope Tray	suitable for 2 Arthroscopes, 1 Obturator Shaft, 1 Arthroscope Shaft, 1 Shaft Trocar	1
ASTS02110	Arthroscope Shaft	OD 2.7 mm / 1 Irrigation Stop-cock	1
ASTS04175	Arthroscope Shaft	OD 4 mm / 2 Irrigation Stop-cocks	1
ASTT02110	Shaft-Trocar for Arthroscope Shaft, triangular	WL 110 mm / OD 2.7 mm	1
ASTT04175	Shaft-Trocar for Arthroscope Shaft, triangular	WL 175 mm / OD 4 mm	1
FCB353017	Foraminoscope Cleaning Brush for Irrigation Channel	L 350 mm / OD 3 mm / Brush Area 17 mm	1
FCB353930	Foraminoscope Cleaning Brush	L 350 mm / OD 4.7 mm / Brush Area 40 mm	1
FSCAL0015	Cleaning Adapter for Foraminoscope		1
FSSC00001	Stop-cock for Foraminoscope, disposable		1
FS-ADAPT1	Lightsource Adapter for Foraminoscope (Wolf)		1
FS-ADAPT2	Lightsource Adapter for Foraminoscope (Storz)		1
TCC04010	Closing Cap for Endoscopes, blue	OD 10 mm / ID 5 mm / Bore 1 mm	1
TCC150700	Closing Cap for joimax® Endoscopes	OD 15 mm / ID 11 mm / Bore 1 mm	1
SST381666	Endoscope Sterilization and Transport Tray	L 380 mm / W 162 mm / H 66 mm	1
CET381645	CESSYS® Endoscope Sterilization and Transport Tray	L 380 mm / W 162 mm / H 45 mm	1
UNI3816C	Universal Lid for Sterilization Tray	L 380 mm / W 162 mm	1

Camera accessories (cable and adapter) for C-Camsource® and D-Camsource® please see chapter „Devices“.

DISPOSABLES



Access Kits



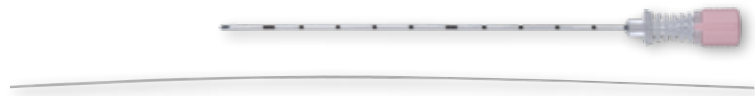
A

Reamers & Drills



B

Needles & Wires



C

RF Probes



D

Shaver Blades



E

Tubing Set



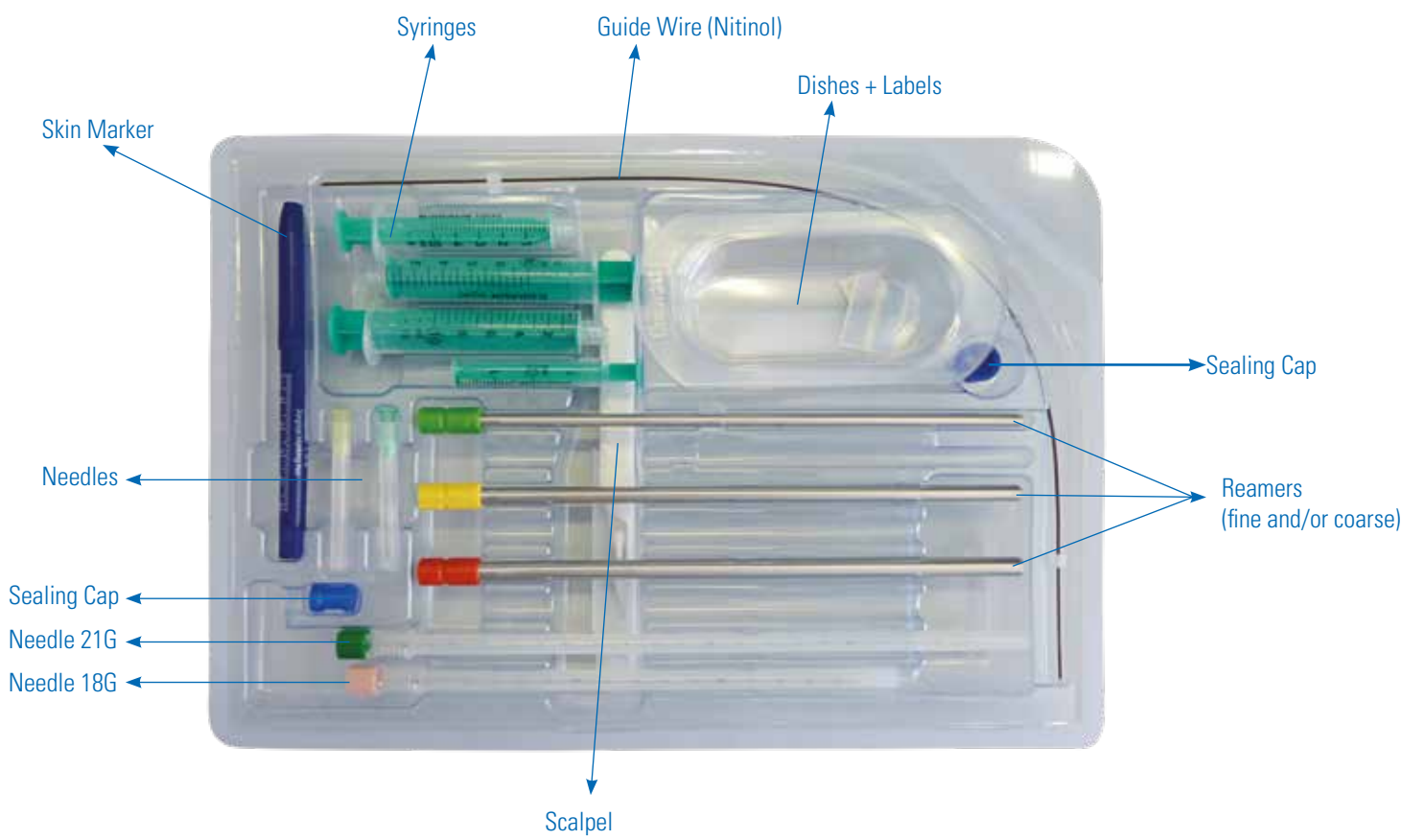
F

Sterile Drapes, Paper Filters, Cable Cover

G

H

I












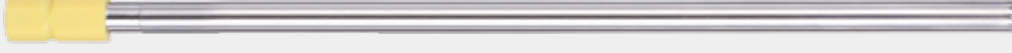

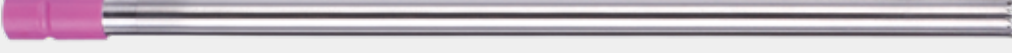

Access Kits

A

REF	Description	Dimensions
TDAK0020	TESSYS® Disposable Access KIT2, with 3 fine Reamers Content: 2 Needles (20G and 21G), 1x 2 ml / 1x 5 ml / 2x 10 ml Syringe, Scalpel, Skin Marker, 3 Dishes, 2 Guide Wires, 2 Sealing Caps, 2 Discography / Chromography Needles (18G and 21G), 3 Reamers fine	
TDAK0021	TESSYS® Disposable Access KIT2 ECO, with 3 fine Reamers Content: 1 Needle 20G, 1 Guide Wire, 2 Sealing Caps, 1 Needle 18G (180 mm), 1 Skin Marker, 3 Reamers fine	
TDAK0040	TESSYS® Disposable Access KIT4, with 3 coarse and 3 fine Reamers Content: 2 Needles (20G and 21G), 1x 2 ml / 1x 5 ml / 2x 10 ml Syringe, Scalpel, Skin Marker, 3 Dishes, 2 Guide Wires, 2 Sealing Caps, 2 Discography / Chromography Needles (18G and 21G), 3 Reamers coarse, 3 Reamers fine	
TDAK0050	TESSYS® Disposable Access KIT5, with 4 fine Reamers Content: 2 Needles (20G and 21G), 1x 2 ml / 1x 5 ml / 2x 10 ml Syringe, Scalpel, Skin Marker, 3 Dishes, 2 Guide Wires, 2 Sealing Caps, 2 Discography / Chromography Needles (18G and 21G), 4 Reamers fine	
TDAK0060	TESSYS® Disposable Access KIT6, with 4 fine Reamers Content: 2 Needles (20G and 21G), 1x 2 ml / 1x 5 ml / 2x 10 ml Syringe, Scalpel, Skin Marker, 3 Dishes, 2 Guide Wires, 2 Sealing Caps, 2 Discography / Chromography Needles (18G and 21G), 4 Reamers coarse	



Reamers single packed, sterile

REF	Description	Dimensions
CER112835	CESSYS® Cervical Reamer ●	WL 128 mm / ID 2.8 mm / OD 3.5 mm
		
CRC214250	TESSYS® Crown Reamer, green, coarse ●●	L 210 mm / ID 4.0 mm / OD 5.0 mm
		
CRC215565	TESSYS® Crown Reamer, yellow, coarse ●●	L 210 mm / ID 5.5 mm / OD 6.5 mm
		
CRC216575	TESSYS® Crown Reamer, red, coarse ●●	L 210 mm / ID 6.5 mm / OD 7.5 mm
		
CRC217585	TESSYS® Crown Reamer, violet, coarse ●●	L 210 mm / ID 7.5 mm / OD 8.5 mm
		
CRF213240	TESSYS® Crown Reamer, blue, fine ●●	L 210 mm / ID 3.0 mm / OD 4.0 mm
		
CRF214250	TESSYS® Crown Reamer, green, fine ●●	L 210 mm / ID 4.0 mm / OD 5.0 mm
		
CRF215565	TESSYS® Crown Reamer, yellow, fine ●●	L 210 mm / ID 5.5 mm / OD 6.5 mm
		
CRF216575	TESSYS® Crown Reamer, red, fine ●●	L 210 mm / ID 6.5 mm / OD 7.5 mm
		
CRF217585	TESSYS® Crown Reamer, violet, fine ●●	L 210 mm / ID 7.5 mm / OD 8.5 mm
		
TER352835	TESSYS® Endoscopic Reamer	L350 mm / ID 2.8 mm / OD 3.5 mm
		



Accessories can also be found in chapter Instruments/Other Instruments

REF	Description	Dimensions
RHC108590	TESSYS® Reamer Handle XT, cannulated •••	Quick-Lock-System, pull-release
RHC107090	TESSYS® Reamer Handle, cannulated •	Quick-Lock-System, pull-release
RHC108080	TESSYS® Reamer Handle, cannulated	Quick-Lock-System, push-release
RHC107090	TESSYS® Reamer Handle, cannulated, Quick-Lock-System, pull-release	
TRPH25100	Palm Handle •••••	L 100 mm / ID 25.0 mm
BHR4137	Ball Handle for Reamer	Quick-Lock-System



Needles & Wires

REF	Description	Dimensions
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Needle Wire Set

JMSN18GW joimax® 18G Needle and Guide Wire Set

Content: joimax® Needle 18G (JMSN18G) and joimax® Guide Wire (TGWS40007)

JMSN18GW11 joimax® 18G Needle and Guide Wire Set

Content: joimax® Needle 18G (JMSN18G11) and joimax® Guide Wire

JMSN18GW23 joimax® 18G Needle and Guide Wire Set

Content: joimax® Needle 18G23 (JMSN18G23) and joimax® Guide Wire



Needles

JMSN18G11	joimax® Needle 18G, Quincke, graduated, with silicone coating	L 110 mm / ID 1.0 mm / OD 1.25 mm
JMSN18G	joimax® Needle 18G, Quincke, graduated, with silicone coating	L 150 mm / ID 1.0 mm / OD 1.25 mm
JMSN18XG	joimax® Needle 18G, Quincke, graduated, with silicone coating	L 180 mm / ID 1.0 mm / OD 1.25 mm
JMSN18G23	joimax® Needle 18G, Quincke, graduated	L 230mm /OD 1.25mm /ID 1.0mm, silicone coated
JMSN18GW23	joimax® Needle and Guide Wire Set	18G Needle L 230 mm, Guide Wire 400 mm



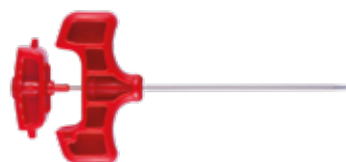
JMSN21G	joimax® Needle 21G, Pencil Point, graduated, with silicone coating	L 200 mm / ID 0.5 mm / OD 0.8 mm
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JMSN21XG	joimax® Needle 21G, Quincke, graduated, with silicone coating	L 230 mm / ID 0.5 mm / OD 0.8 mm
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JMSWSNT20	Starting Needle (Trocar Type)	L 200 mm
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JMSWSNT23	Starting Needle 11G	L 200 mm
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Color coding of the joimax® endoscopic spinal systems:

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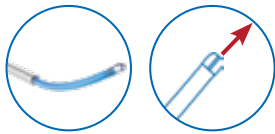
Needles & Wires

REF	Description	Dimensions
Guide Wires unsterile		
TGW407SL	joimax® Guide Wires, super elastic	L 400 mm / OD 0.7 mm, sterile and double packed (2 pcs.)
TGW40007	joimax® Guide Wires	L 400mm /OD 0.7mm sterile + double packed (2 pcs.)
TGW40007.S	joimax® Guide Wires	L 400 mm / OD 0.7 mm
TGW50007	joimax® Guide Wires, PU 5	L 500 mm / OD 0.7 mm
TGWS30008	joimax® Guide Wire, super elastic, unsterile	L300 mm / OD 0.8 mm
TGWS40007	joimax® Guide Wire, super elastic	L 400 mm / OD 0.8 mm
TGWS40016	joimax® Guide Wire super elastic, unsterile	L 400 mm / OD 1.6 mm
TGWS40018	joimax® Guide Wire super elastic, nonsterile	L 400 mm / OD 1.8 mm
TGWS40020	joimax® Guide Wire super elastic	L 400 mm / OD 2.0 mm
TGWS40008G	joimax® Guide Wire, superelastic, unsterile,curved	L 400 mm / OD 0.8 mm
TGWS50007	joimax® Guide Wire, super elastic	L 500 mm / OD 0.8 mm
TGWS50016	joimax® Guide Wire super elastic, unsterile	L 500 mm / OD 1.6 mm
TGWS50020	joimax® Guide Wire super elastic	L 500 mm / OD 2.0 mm
TGWS50020.	joimax® Guide Wire super elastic, nonsterile	L 500 mm / OD 1.8 mm
TGWS60016	joimax® Guide Wire super elastic	L 600 mm/ OD 1.6 mm
JMPS1028ST	Guide Wire with Markers	L 380 mm / OD 1.5 mm



RF Probes

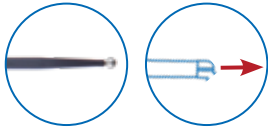
REF	Description	Dimensions	Pcs.
Vaporflex® – Bipolar			
JVP32024	Vaporflex® Probe 320, Ball Tip, bipolar, sterile	WL 320 mm / OD 2.5 mm / 1.200 Vp	
JVP27525S	Vaporflex® Probe 275, bipolar, sterile	WL 275 mm / OD 2.0 mm / 1.200 Vp	
JVP28024	Vaporflex® Probe 275, Ball Tip, Bipolar	Disposable WL 275 mm / Shaft Ø 2.5 mm	



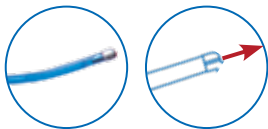
Vaporflex® Probe bipolar for TESSYS®, iLESSYS®, MultiZYTE®
Sterile, Disposable, 5 per Box

Legato®

JBPP27020	Legato® Probe, bipolar, Ball Tip, sterile	WL 270 mm / OD 2.0 mm / 850 Vp/ straight
JBPP27025	Legato® Probe, bipolar, Ball Tip, sterile	WL 240 mm / OD 2.0 mm / angled
JMPP27025	Legato® Probe, monopolar, Ball Tip, sterile	WL 270 mm / OD 2.8 mm / 3.200 Vp / angled
JMPP27025*	Legato® Probe, monopolar, Ball Tip, sterile	WL 270 mm / OD 2.8 mm / straight



Legato® monopolar for CESSYS® and MultiZYTE®
Sterile, Disposable, 5 per Box



Legato® bipolar for Intradiscal and MultiZYTE®, MultiZYTE® Facet Cervical, CESSYS® and intENTS®
Sterile, Disposable, 5 per Box

Corresponding Hand Pieces, see chapter "Instruments".

Accessories

JEVN0001	joimax® Neutral Electrode, Easy Universal , without Connecting Cable, Disposable
JEVNC0001	joimax® Neutral Electrode Connecting Cable, Connecting Cable international



Shrill® Shaver Blades

REF	Description	Dimensions	Pcs.
JSBMV0001	Starting Box , mixed packaging with 5 most common used rigid blades		5 pcs

 2x Diamond Abrasor	 1x Side Cutter
 1x Bone Resector	 1x Barrel Cutter



Shaver Blades for Bone Resection

JSBDA252019	Diamond Abrasor, Ball Tip	L 250 mm/OD 2.0 mm/Ball OD 1.9 mm
JSBDA194543C	Diamond Abrasor, Ball Tip, Coarse	L 185 mm/OD 4.5 mm/Ball OD 4.3 mm
JSBDA243029C	Diamond Abrasor, Ball Tip, Coarse	L 240 mm/OD 3.0 mm/Ball OD 2.9 mm
JSBDA273534C	Diamond Abrasor, Ball Tip, Coarse	L 265 mm/OD 3.5 mm/Ball OD 3.4 mm
JSBDA244544C	Diamond Abrasor, Ball Tip, Coarse	L 240 mm/OD 4.5 mm/Ball OD 4.4 mm
JSBDA274544C	Diamond Abrasor, Ball Tip, Coarse	L 265 mm/OD 4.5 mm/Ball OD 4.4 mm
JSBDA323534C	Diamond Abrasor, Ball Tip, Coarse	L 320 mm/OD 3.5 mm/Ball OD 3.4 mm



Shaver Blades for Bone Resection, without protection

JSBBT194543	Bone Resector, Bullet Tip	L 185 mm/OD 4.5 mm/Bullet OD 4.3 mm
		
JSBOC252019	Olive Cutter, Olive Tip	L 250 mm/OD 2.0 mm/Olive OD 1.9 mm
		
JSBBR243533	Bone Resector, Ball Tip	L 240 mm/OD 3.5 mm/Ball OD 3.3 mm
JSBBR273533	Bone Resector, Ball Tip	L 265 mm/OD 3.5 mm/Ball OD 3.3 mm
		
JSBBT273533	Bone Resector, Bullet Tip	L 265 mm/OD 3.5 mm/Bullet OD 3.3 mm
		
JSBBR244543	Bone Resector, Ball Tip	L 240 mm/OD 4.5 mm/Ball OD 4.3 mm
JSBBR274543	Bone Resector, Ball Tip	L 265 mm/OD 4.5 mm/Ball OD 4.3 mm
		
JSBBT274543	Bone Resector, Bullet Tip	L 265 mm/OD 4.5 mm/Bullet OD 4.3 mm
JSBBT323533	Bone Resector, Bullet Tip	L 320 mm/OD 3.5 mm/Bullet OD 3.3 mm
		






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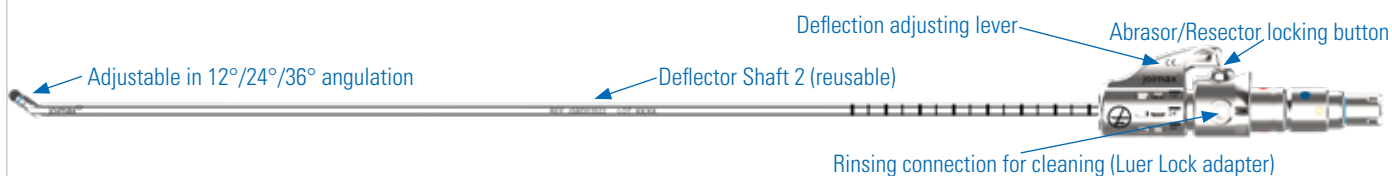
Shrill® Shaver Blades

REF	Description	Dimensions
Shaver Blades for Bone Resection		
JSBBT3235	Acorn Trimmer, Cone Tip, with distal protection	L 320 mm/OD 3.5 mm/L Acorn 4.0 mm
		
JSBBC3235	Barrel Cutter, Barrel Tip, with distal protection	L 320 mm/OD 3.5 mm/L Barrel 4.0 mm
		
Shaver Blades for Bone Resection		
JSBSC2430	Side Cutter, Barrel Tip, with side protection	L 240 mm/OD 3.0 mm/L Barrel 4.0 mm
JSBSC2435	Side Cutter, Barrel Tip, with side protection	L 240 mm/OD 3.5 mm/L Barrel 4.0 mm
JSBSC2735	Side Cutter, Barrel Tip, with side protection	L 265 mm/OD 3.5 mm/L Barrel 4.0 mm
		
JSBOC244536	Olive Cutter, with side protection	L 240 mm/OD 4.5 mm/Olive OD 3.6 mm
JSBOC274536	Olive Cutter, with side protection	L 265 mm/OD 4.5 mm/Olive OD 3.6 mm
		
JSBSC3235	Side Cutter, Barrel Tip, with side protection	L 320 mm/OD 3.5 mm/L Barrel 4.0 mm
		



Shrill® Shaver Blades

REF	Description	Dimensions
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Deflector Shaft 2

JSBDSK	joimax® Shrill® Deflector Shaft Kit 2 Containing: 1 Deflector Shaft, 1 Deflector Shaft Cleaning Clip, 1 Sterilisation Tray with cover for TESSYS®/TESSYS® XT	WL 320 mm
JSBDS3522	Deflector Shaft 2, reusable for TESSYS®/TESSYS® XT	L 320 mm/OD 3.5 mm



Deflector Shaver Blade

Deflector Shaver Blades for bone resection (disposable; packing unit: 5 each)

max. 6000 rpm (milling) and right rotational direction only

JSBDD3613	Deflector Diamond Abrasor	L 360 mm/Ball Ø 3.5 mm/steerable
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JSBDR3613	Deflector Bone Resector, Ball Tip	L 360 mm/Ball Ø 3.4 mm/steerable
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JSBBT3613	Deflector Bone Resector, Bullet Tip	L 360 mm/Bullet Ø 3.4 mm/steerable
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Deflector Shaft 2

JSBDSK2-265	joimax® Shrill® Deflector Shaft Kit 2 Containing: 1 Deflector Shaft, 1 Deflector Shaft Cleaning Clip, 1 Sterilisation Tray with cover	WL 265 mm
JSBDS2745	Deflector Shaft 2, reusable	L 265 mm/OD 4.5mm










Color coding of the joimax® endoscopic spinal systems:

• TESBASIC • TESBASICXT • TESXTO • TESMORST • TESSMORXT • TESFTR • FASXTD1 • iLESSYSST • iLESSYSSH • CESSYSANT • MUSTD • intENTS01

Definition: L = Length / W = Width / H = height / WL = Working Length / D = Diameter / ID = Inner Diameter / OD = Outer Diameter / WChD = Working Channel / IC = Irrigation Channel / JL = Jaw Length



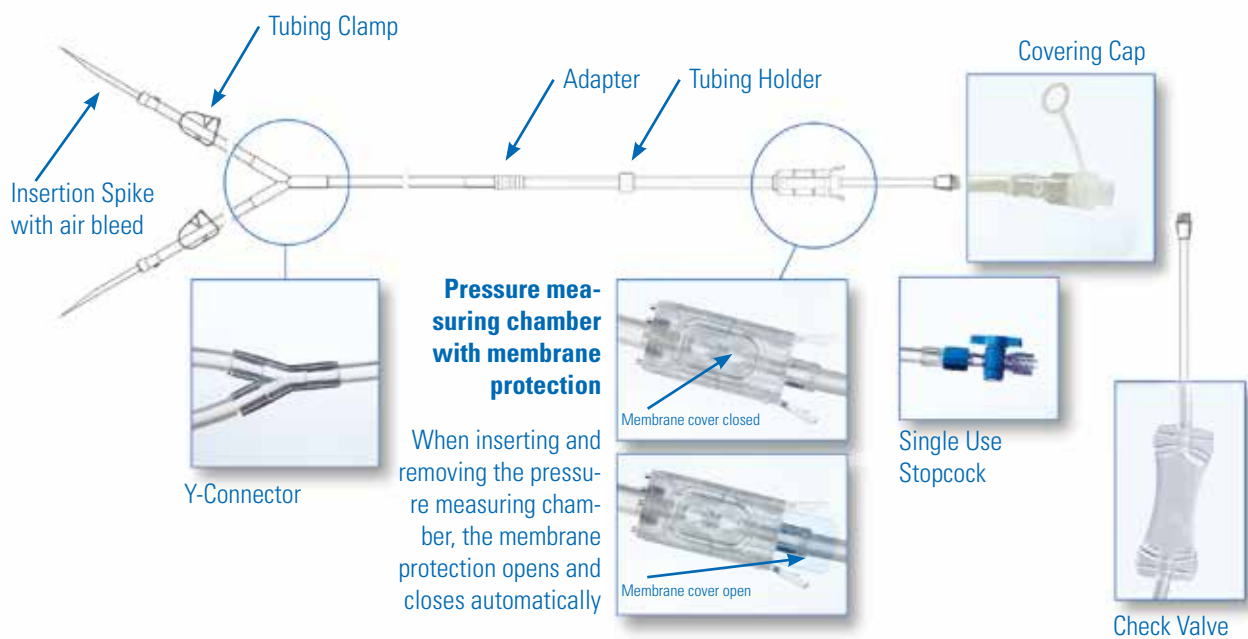
Shrill® Shaver Blades

REF	Description	Dimensions
 Deflector Shaver Blade		
Deflector Shaver Blades for bone resection (disposable; packing unit: 5 each)		
		max. 6000 rpm (milling) and right rotational direction only
JSBDD3115	Deflector Diamond Abrasor	L 310 mm/Ball Ø 4.5 mm/steerable
		
JSBDR3115	Deflector Bone Resector, Ball Tip	L 310 mm/Ball Ø 4.4 mm/steerable
		
JSBBT3115	Deflector Bone Resector, Bullet Tip	L 310 mm/Ball Ø 4.4 mm/steerable
		
		
	Deflector Shaft	
JSBDS3222	Deflector Shaft, reusable	L 305 mm/OD 3.5 mm
Deflector Shaver Blade Set (disposable; packing unit: 5 each)		
		max. 8000 rpm (milling)
JSBDD3235	Deflector Diamond Abrasor, Big Ball Tip	L 320 mm/OD 3.0 mm/Ball OD 2.5 mm
		
		
JSBDR3235	Deflector Resector, Big Ball Tip	L 320 mm/OD 3.0 mm/Ball OD 2.5 mm
		
		



Tubing Set

REF	Description	Dimensions
JTSB350D	Single-use Tubing Set incl. disposable patient line for joimax® Versicon® JISP3000	2m multi use tubing set + 3,5m single use patient line = 5,5m total length
JPPL0350	Disposable Patient Line for Single-use Tubing Set	L 3.5 m

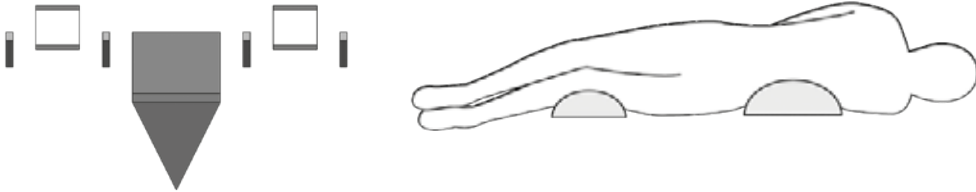
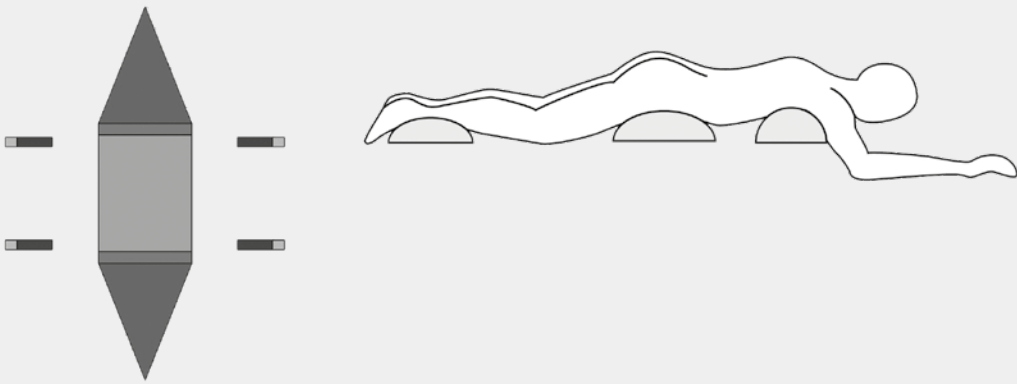


Color coding of the joimax® endoscopic spinal systems:

- TESBASIC • TESBASICXT • TESXTD • TESMORST • TESSMORXT • TESFTR • FASXTD1 • iLESSYSST • iLESSYSSH • CESSYSANT • MUSTD • intENTS01

Definition: L = Length / W = Width / H = height / WL = Working Length / D = Diameter / ID = Inner Diameter / OD = Outer Diameter / WChD = Working Channel / IC = Irrigation Channel / JL = Jaw Length

Sterile Drapes

REF	Description	Dimensions
JMVID3224	joimax® Vertical Isolation Drape, lateral position	320 cm x 245 cm (126" x 96")
		
JMHID3224	joimax® Horizontal Isolation Drape, prone position	320 cm x 245 cm (126" x 96")
		

Paper Filters

TITF153320	Disposable Paper Filters für 1/1, 3/4, 1/2 Container
TITF185000	Filter Holder for 1/1, 3/4, 1/2 Container

Cable Cover

CSCC1223	C-Camsource® Camera Cable Cover, telescopic folded with perforation and adhesive tape	L 230 cm / W 12.5 cm
CSCC1324US	Camsource® Camera Cable Cover telescopic folded, with perforation and adhesive tapes	L 244 cm / B 13 cm

joimax® 4th Gen (4K) Endoscopic Tower

The expert solution for spinal surgery and neurosurgery. All devices are optimally matched and feature special modes for surgery at sensitive structures.



1 Vitegra®

Visual Integration System

FULLY INTEGRATED DIGITAL
DOCUMENTATION SYSTEM

2 Camsource® LED

Camera & Light Source System

BRILLIANT IMAGES UP TO 4K

3 Intracs® em

Integrated Navigation Tracking & Control System

SIMPLE AND PRECISE
ELECTROMAGNETIC NAVIGATION

4 Shrill®

Shaver Drill System

MULTI-FUNCTIONAL DRILL AND
RESECTION SYSTEM

5 Endovapor® 2

Multi Radio Frequency System

COMBINES A VARIETY OF DIFFERENT
ELECTRO-SURGICAL APPLICATIONS

6 Versicon®

Versatile Irrigation Control

MULTI-RANGE IRRIGATION PUMP
FOR CLEAR VISIBILITY AND FLEXIBLE USE

7 JFMS 2620 | 3220 | 314KB

HIGH DEFINITION MEDICAL DISPLAYS FHD AND 4K

The picture shows only one
of several fitting options

DEVICES

Intracs^{®em}
Integrated Navigation Tracking & Control System



A

Camsource[®] LED



B

Shrill[®]
Shaver Drill System



C

Versicon[®]
Versatile Irrigation Control



D

Endovapor[®] 2
Multi Radio Frequency System



E

Vitegra[®] Docu+Command
Visual Integration System



F

Medical Displays



G

Endoscopic Trolley



H

Accessories



I



Intracs®^{em}

Integrated Navigation Tracking & Control System

REF	Description
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System

JINT01S	Panel PC, Control Unit, Field Generator, Patient Mapper LAT & AP, USB Stick 16GB, Mounting Arm for Patient Mapper, Mounting Arm for Field Generator, joimax® HDMI-2-DVI cable
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Devices

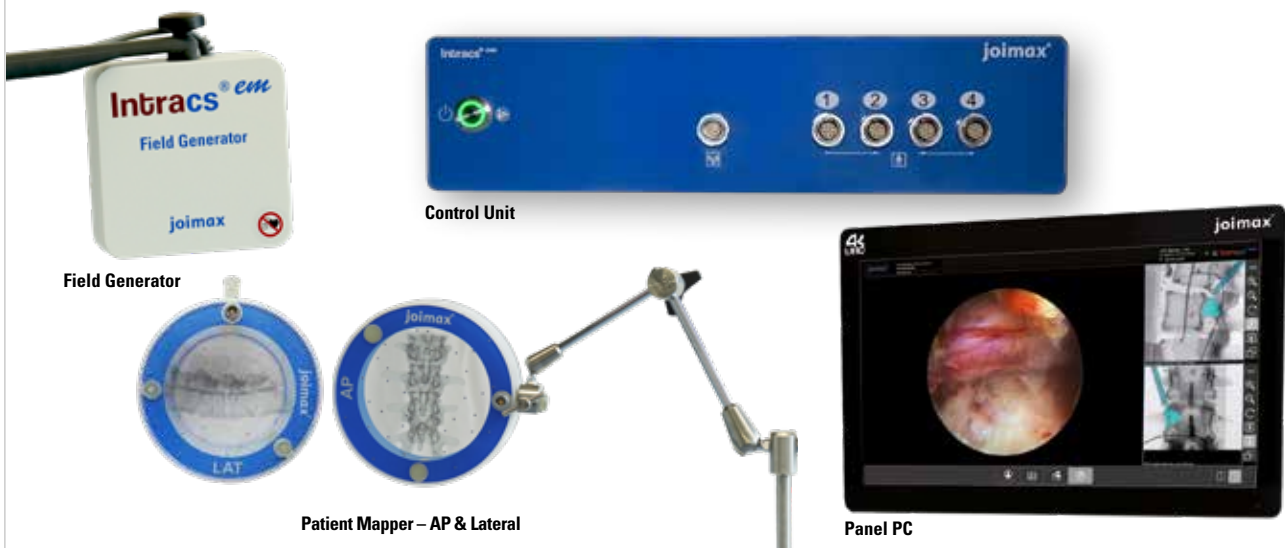
JINTPC1105	joimax® Intracs® ^{em} Panel PC
JINTCU1115	joimax® Intracs® ^{em} Control Unit

Instruments

JINTST	joimax® Intracs® ^{em} Instrument Tray incl. Sensor Clip, Patient Tracker, Wire Cutter, Drill Guide, 5x K-Wire, Guiding Rods (yellow and red), Y-Adapter, Container for clips
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Sensors

JINTPT2235	joimax® Intracs® ^{em} Patient Tracker
JINTSC2205	joimax® Intracs® ^{em} Sensor Clip
JINTSW2215	joimax® Intracs® ^{em} Sensor Wire 150
JINTSW2218	joimax® Intracs® ^{em} Sensor Wire 180
JINTSW2223	joimax® Intracs® ^{em} Sensor Wire 230





Intracs®^{em}

Integrated Navigation Tracking & Control System

A

REF	Description	Dimensions
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Accessory Tools

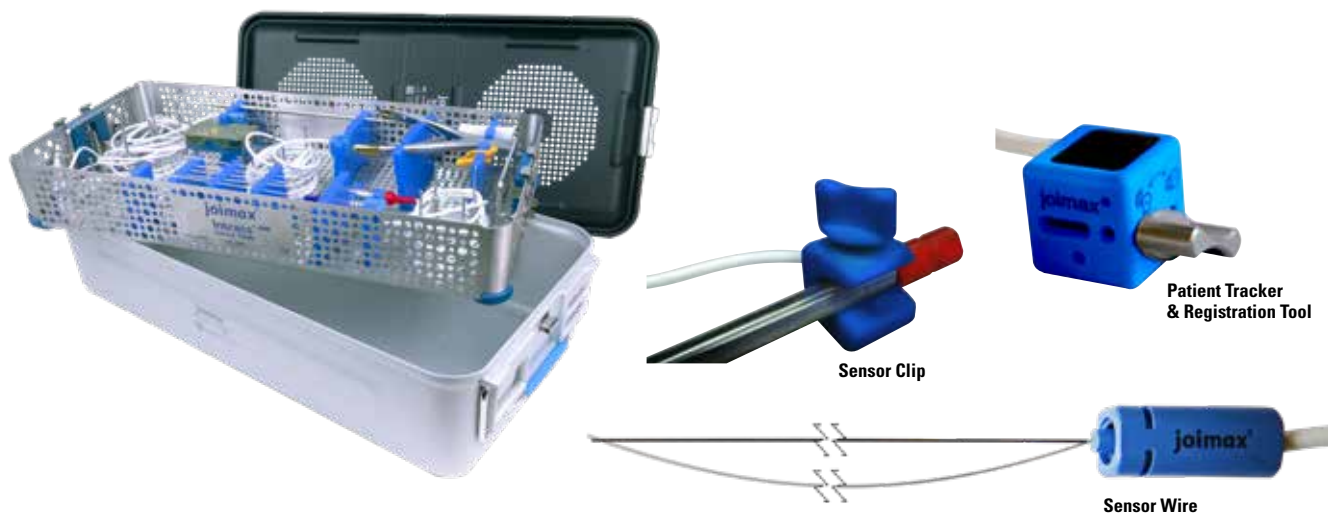
JINTSTAT15	joimax® Intracs® ^{em} Accessory Tools with Sensor Wire 150 incl. Sensor Clip, Sensor Wire, Patient Tracker, 4x K-Wire Optional: Guiding Rods (yellow and red), 2x Y-Adapter, Drill Guide	
JINTSTAT18	joimax® Intracs® ^{em} Accessory Tools with Sensor Wire 180	
JINTSTAT23	joimax® Intracs® ^{em} Accessory Tools with Sensor Wire 230	

Accessories

JEST1390N	joimax® Navigation Cart/Trolley
JINTPM2245-AP	joimax® Intracs® ^{em} Patient Mapper - AP
JINTPM2245-LAT	joimax® Intracs® ^{em} Patient Mapper - LAT
JINTMAP1136	joimax® Intracs® ^{em} Mounting Arm for Patient Mapper
JINTFG1125	joimax® Intracs® ^{em} Field Generator
JINTMA1135	joimax® Intracs® ^{em} Mounting Arm for Field Generator

Disposables

JINTMA1135C	Sterile cover for Field Generator and Mounting Arm
JINTMAP1136C	Sterile cover for Patient Mapper and Mounting Arm
JKW1515	K-Wire with thread, Trocar with 15 mm threaded shoulder, lap





Camsource® LED

REF	Description
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Sets

CSFHD01SC	Camsource® LED System Combo Incl. Camsource® LED Control Unit, Camsource® LED Camera Head Combo, DVI Cable, BNC Cable, USB Flash Drive 4GB
CSFHD01SOZ	Camsource® LED System Ocular, zoomable Incl. Camsource® LED Control Unit, Camsource® LED Camera Head Ocular, Camsource® LED Video Objective ocular (zoomable), Fibre optic cable, DVI Cable, BNC Cable, USB Flash Drive 4 GB

B



New camera head systems are now sterilizable

- High resolutions with latest CMOS sensor technology
- Two camera heads available operated by the same control unit:
 - **Combo camera head** with single-cable technology, compatible with all joimax® combo endoscopes
 - **Ocular camera head** with split camera and light cable for other endoscopes
- Improved usability by three camera head buttons offering individual programmable remote functions like zoom, flip, snapshot and others

Functions of the new camera control system

- White Balance+ including automatic scaling optimization
- One-screen-display (OSD) with settings of all parameters
- Stepwise zoom function
- Flip (↔) and mirror (↕) function
- Adjustment functions of sharpness, contrast, saturation, color, window and boost
- Image capture function

Accessories

CSFHD01COAS	Fiber Optic Cable Adapter
CSCC1223	Camsource® Camera Cable Cover
JMUSBS10	joimax® USB Flash Drive 16GB
CSLC0252	joimax® Fiber Optic Cable for use with Camera Head Ocular



Shrill®

Shaver Drill System

REF	Description
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Devices

JSDC25012*	joimax® Shrill® System Plus
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Multi-functional Drill and Resection System, Content: joimax® Shrill® Console, joimax® Shaver Hand Piece Plus, joimax® Sterilization Tray, joimax® Shaver Cleaning Adapter (2 Pieces), and User Manual

JSDD08000	joimax® Drill® Kit incl. Universal Motor Handpiece, Cable and Sterilization Tray
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JSDC25000

THE SHRILL® CONSOLE

- Oscillating clockwise or counterclockwise rotation mode.
- 6 memory settings for the most common applications.

Shaver Single Components

JSDC25000	joimax® Shrill® Console
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JSHPP8000	joimax® Shaver Hand Piece Plus
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JSHPP8000

JSHP06020	joimax® Sterilization Tray for Shrill® Handpiece
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JSHP06010	joimax® Shaver Handpiece Cleaning Adapter (2 pcs.)
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JSDWD1500	joimax® Universal Motor Hand Piece with Cable
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JSDWD150C	joimax® Replacement Cable for Universal Motor Handpiece
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JSDCA0100	joimax® Drill Chuck, keyless, AO
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JSDCKL032	joimax® Drill Chuck, Keyless
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JSWDA0618	joimax® Wire Driver Adapter
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JSHP06010	Cleaning Adapter for joimax® Shaver Hand Piece
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JSHP06020	Sterilization Tray for joimax® Shrill® Hand Piece
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SHCS305005	Shaver Handpiece Cleaning Set
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JSDWD150C	joimax® Replacement Cable for Universal Motot Hand Piece
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JSDWD1500



Versicon®

Versatile Irrigation Control

REF	Description
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JISP3000	joimax® Versicon® Spine Pump incl. Power Supply Cable, Replacement Fuses and User Manual
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For endoscopic spinal surgery and arthroscopy

The joimax® Versicon® System was developed for endoscopic spinal surgery and arthroscopy. With its special function and design characteristics, it is equipped for all future jobs.

Disposables

JTSB350D	Single-use Tubing Set, L 5.5 m
JPPL0350	Disposable Patient Line, L 3.5 m, to replace the patient-side line
FSSC00001	Single-use Stopcock for Foraminoscope, sterile
SCLL1520	Sealing Cap

Accessories

JIPSEN01	joimax® Sensor Protection
JIFS0001	Footswitch



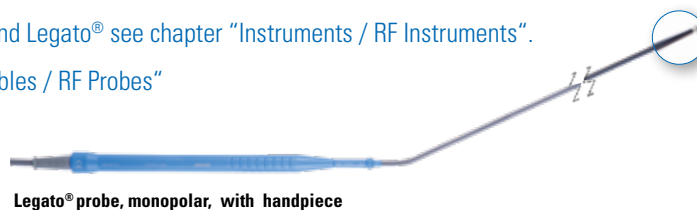
Endovapor®2

Multi Radio Frequency System

REF	Description
JEVS0201	joimax® Endovapor®2 System Dual High Frequency System for mains voltage 220-240 V and Footswitch
JEVS0202	joimax® Endovapor®2 System Dual High Frequency System for mains voltage 100-127 V and Footswitch
JEVD0201	joimax® Endovapor®2 Device, Dual High Frequency System, 220-240 V
JEVD0202	joimax® Endovapor®2 Device, Dual High Frequency System, 100-127 V
REFUSS01	Footswitch for joimax® Endovapor®2, Cable L 2.5 m



Corresponding Hand Pieces for Vaporflex® and Legato® see chapter "Instruments / RF Instruments".
Corresponding Probes see chapter "Disposables / RF Probes"



Legato® probe, monopolar, with handpiece



Vaporflex® bipolar probe with handle

Triple Foot Switch

Triple action footswitch for all monopolar and bipolar functions. Additionally with the black button the unique Endovapor®2 turbo function (Dual Energy) is activated providing the highest energy specifically for scar tissue ablation.





Vitegra® *Docu+Command*

Visual Integration System

REF	Description
ICS0401S	Vitegra®4 Visual Integration System incl. Vitegra® Control Unit, Vitegra® Tablet, DVI-D Cable, BNC Cable, S-Video Cable, USB Flash Drive 16GB, DVD+R, Blu-ray

Technical data

Main Specifications

Processor	Intel CPU i5 64-bit processor with 4 cores, 3.5 to 4.1 GHz
System Memory	8GB RAM
OP System	Windows® 7
Storage Disk Drive	Blu-ray disc drive supports: BD-R (SL 10x/DL 8x), DVD-R (16x), DVD+R (16x), CD-R (48x)

Display

Size	19"
Resolution	1280 x 1024
Touch Screen	Resistive
Contrast Ratio	550:1
View Angle	140°(H) / 135°(V)

In/ Out

Audio	1x Audio IN (3.5 mm TRS connector)
USB	External x 7
Others	1x RJ45 Gbit Ethernet network, 1x connector for foot switch, 2x 3.5 mm TRS connectors for e.g. camera, remote control, 1x USB 3.0 front, 4x USB 3.0 back, 2x Ant.1 & Ant.2, RP-SMA female – WiFi antenna, 1x Medical potential equalization

Video In/ Out

Input	2x BNC 3G/HD-SDI input, 2x DVI-I 24+5 HD input, 2x 4-pin Mini-DIN S-Video analog input 2x BNC composite analog input
Output	1x DVI output – touch monitor 1x HDMI output - OSD



ICS0401 - Control Console



Display Monitor



ICS0401T - Wireless Tablet

Dedicated for OR-Environment

Clearly laid out menus allow for safe and quick application of the Vitegra®4. Recording of videos and pictures in 4K quality, as well as, easy data saving are possible due to intuitive user interfaces. The voice and touch screen functions are very user friendly.



Vitegra® *Docu+Command* Visual Integration System

REF	Description
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Devices

ICS0401T	joimax® Vitegra® Tablet
ICS0401	joimax® Vitegra® Control Unit
JFMST215	joimax® Touch Screen Monitor 21,5"

Accessories

ICS0401SC	joimax® Vitegra® Visual Integration System Command Integrated FHD documentation and control system
ICWSR400	joimax® Wireless Microphone System for voice control (Band II and V) incl. multi-channel receiver, pocket transmitter, behind-the-neck headset, battery charger
ICWSR400S	joimax® Vitegra® Wireless Microphone Set
JESTTA	joimax® Mounting arm for Vitegra® Tablet VESA 75/100, allowed weight 0 - 8 kg
JESTTHS	joimax® Vitegra® tablet mount set VESA 75/100, charging station

Miscellaneous

ICDV4710J	joimax® DVD+R 4.7 GB special coated, 20 years of data integrity, for medical use, with slimline case
JMUSBS10	joimax® USB Flash Drive 16 GB
JVCC100	joimax® Vitegra® Command cable L 1m



Medical Displays

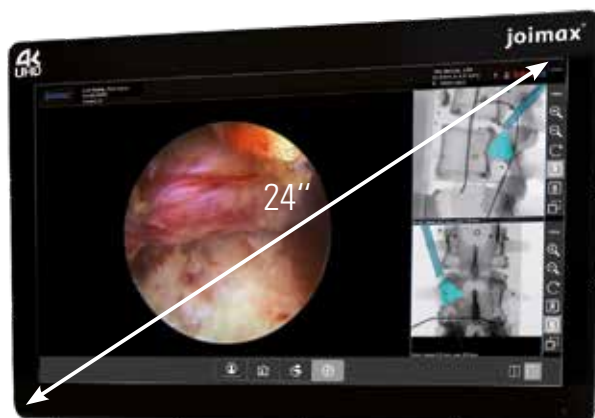
REF	Description
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Devices

JFMS2620	joimax® Flatscreen Monitor 26" LCD Medical Display, Full HD surgical display, 1920 x 1080 natural resolution & LED back light, picture in picture mode, viewing angle 178°, Video Inputs: DVI, RGBS/YPbPr, S-Video, Composite video, 3G-SDI, VGAIincl. Power Supply, User Manual and joimax® Display Cover
JFMS314KB	joimax® Flatscreen Monitor 4K 3840 x 2160 Pixel, 4K UHD, 31.1"
JFMS3220	joimax® Flatscreen Monitor 32" LCD Model Panasonic, Full HD surgical display, LCD panel, picture and picture Function, Trolley mounting possible with adaptor, plate or wall mounting
JFMST215	joimax® Touch Monitor 21,5" TFT

Miscellaneous

JEST1300	joimax® endoscopic trolley, monitor trolley with 1200VA isolating transformer, with 3 shelves
JESTMA	Monitor arm for joimax® Endoscopic Trolley
JESTNA	Side Monitor Arm for joimax® Endo trolley height adjustable with swivel arm, VESA 75/100
JFMST215PS	Barco Touch Monitor Power supply unit
JDC1900	joimax® Display Cover 19"
JDC2400	joimax® Display Cover 24"
JDC3200	joimax® Display Cover 32"



JFMS 314KB

High Definition Flatscreen Monitor

- > Ultra High-Definition resolution 3840 x 2160 Pixel, 4K compatible
- > High depth of field
- > Superior image brightness
- > Brilliance of the images
- > Picture in Picture
- > Touch Control Panel
- > Video Inputs: HDMI, DVI, VGA, S-VHS, FBAS



Endoscopic Trolley

REF	Description
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JEST1290	joimax® Endoscopic Trolley with isolating transformer 1200 VA, four shelves, one drawer, complete pre-wiring, sub-assembly system, infusion rod
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JEST1300	joimax® Endoscopy Trolley, Monitor Trolley with isolating transformer 1200 VA, with three shelves, pre-wired
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ACCESSORIES



X-ray Protection



A

OR Clothing



B

C

D

E

F

G

H

I



X-ray Protection

A

REF	Description
JVX-S810A	joimax® Radiation Protective Apron incl. Monogram
JVX-S840H3	joimax® Radiation Protective Half Apron
JVX-830VS	joimax® Radiation Protective Vest / Skirt incl. Monogram

Description

- > Worn over the scrub suit and under the OR gown
- > Designed for quick removal without breaking the sterile field after X-ray procedures are completed
- > Tungsten with 0.50 mm Pb equivalency



Men's Size

Size	Width in cm	Euro Suit	UK Suit	Chest in cm	Length in cm
Small	61	46	36	86-90	115
Medium	61	48-50	38-40	91-98	115
Large	61	52-54	42-44	99-107	115
X-Large	63	56-58	44-48	108-115	115
XX-Large	66	58-62	48-54	116-130	115

Women's Size

Size	Width in cm	Euro Suit	UK Suit	Chest in cm	Length in cm
X-Small	51	34-36	6-8	80-84	110
Small	56	36-38	10-12	85-89	110
Medium	56	40-42	14-16	90-94	110
Large	61	42-44	18-20	95-107	110
X-Large	63	46-50	20-22	108-115	110

- > Width dimensions measured at hip
- > Length measured from shoulder to bottom edge
- > Available in different colors and configurations



OR Clothing

REF	Description
JVX-BLT300	joimax® Radiation Protective Glasses
JVXBLTBF	Cut Glasses, bifocal
JVXBLTMF	Cut Glasses, monofocal



JVX-S840T	joimax® Thyroid Collars incl. Monogram
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JVX-S940GL	joimax® Radiation Protective Gloves
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- > Excellent anatomic fit
- > Abrade surface for excellent grip
- > Made of less protein natural rubber, powder-free
- > No toxic materials, therefore no hazardous waste

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