

PRODUCT CATALOGUE



HOOGLAND SPINE PRODUCTS



GmbH was founded October 2006 in Munich, Germany. The aim of the company is to develop, produce and distribute instruments and software for minimal invasive spine intervention and surgery. The company is built upon over 20 years of experience in the field of arthroscopy, endoscopy, instrument engineering and spine surgery.

Dr. Hoogland is looking back at over 13.000 cases of spine surgery, most of them minimal invasive. Starting in the 80's with scoliosis surgery and laminectomy for disc herniation the surgical spectrum has moved into target surgery for herniated discs, disc degeneration and facet joint pathology.

In the 90's he developed a spine scope with adequate working channel, in cooperation with the Medi-Tech company, and acquired a patent on instruments to enlarge the spinal foramen.

Production and distribution of an adequate set of instruments and documentation equipment appeared difficult in terms of manufacturing of the proper elements. The first instruments yielded significant technical difficulties with a steep learning curve. Therefore a physician controlled company was founded, new, safe and easy instruments were developed and the software was improved.

The young innovative team of Hoogland Spine Products ensures best high tech standards by combining a close efficient cooperation with leading doctors and centres from all over the

world. Our Research and Development Team constantly works on more efficient and simpler solutions. Through listening and understanding what the needs of doctors are, we are able to quickly adapt and implement safe, intelligent and practical instruments without prolonged developing processes known from bigger companies. This is appreciated by our customers and most important by the patients.

Early in 2007 the new complete spinal endoscopy set was introduced to the spine surgery community and a training center was established adjacent to the Alpha Klinik in Munich Germany. Hoogland Spine Products are confident that the now available system will revolutionize the approach to the lumbar spine with comparable systems to come for the cervical spine. The technique and approach allows also a complete new management of disc degeneration and facet joint hypertrophy. The management of modern intravenous anaesthetics allows extensive spinal procedures in local anaesthesia. This minimizes the risks of spine surgery and opens new windows of opportunity for the steep increase of degenerative spine conditions.

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TOM

Total Optimized Medical Devices

All maxmore^{spine}® instruments are patent protected and exclusively designed for the operative use in the lumbar spine and surgeons experienced and trained in the appropriate specialised procedures. It is the responsibility of the surgeon to become familiar with the proper techniques. Please read the user manuals carefully. Wrong installation or use may cause irreversible damage to the patient or instrument.

If the label does not prescribe a single use of the instrument, it may be used more often. Please read the cleaning and sterilisation information.

Ensure that non sterile provided instruments need to be properly cleaned and sterilized before use. Sterile instruments will be clearly labelled as such on the package label. The sterility of instruments supplied sterile can only be assured if the packaging is intact. Before use always check the date of expiry. Packages for both sterile and non-sterile components should be intact upon receipt.

All products should be carefully checked for completeness, functional efficiency and for signs of damage, prior use. Damaged packages or products shall not be used.

Inappropriate servicing or cleaning and sterilisation, incompetent use, bending or breaking can render the instrument unsuitable for its intended purpose, or even be dangerous to the patient or surgical staff.

An accurate diagnosis, patient selection and operative care are critical to the success of the device and avoidance of injury during surgery. In general, careful attention must be paid, especially to asepsis and any anatomical anomalies.

It is important that the surgeon exercise extreme caution when working in close proximity to vital organs, nerves or vessels. As with any surgical instrument care should be taken to ensure that excessive force is not placed on these devices which can result in failure, might cause injury to the patient or deformation to the instrument (unusable status).

DILATORS

- CANNULATED
- SAFETY TIP
- SPECIAL STAINLESS MEDICAL STEEL
- MADE IN GERMANY
- CE

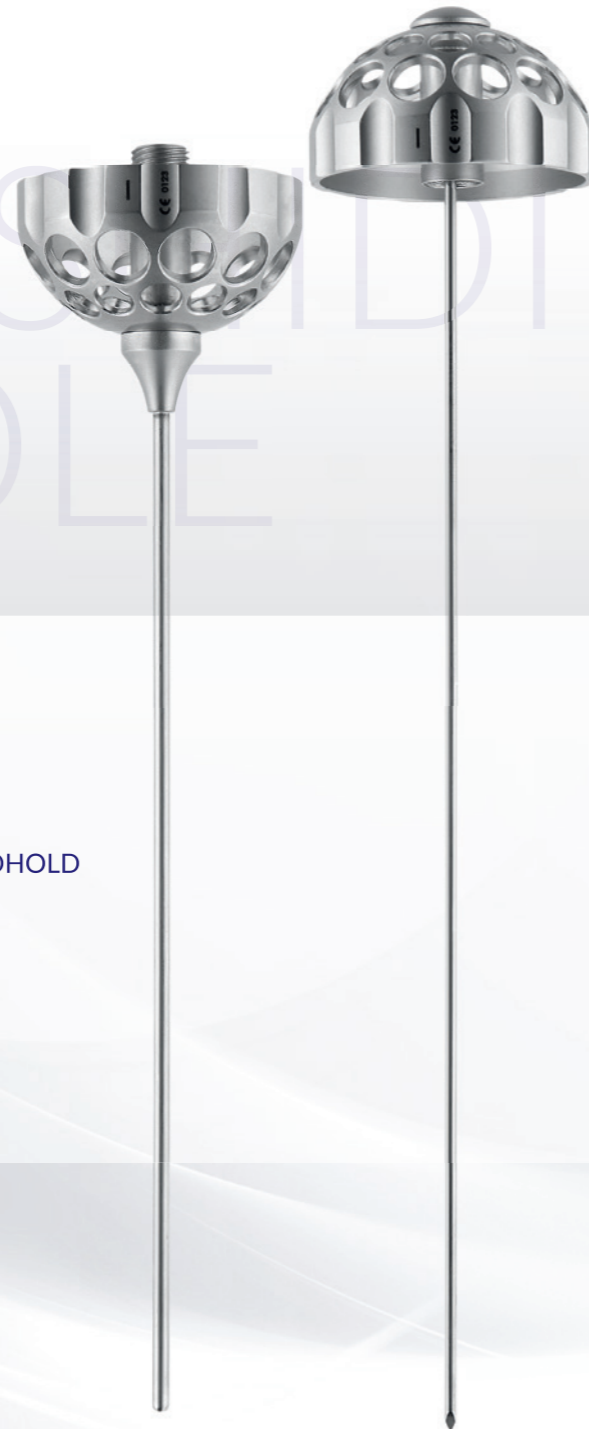
Dilator Ø	Cannulated Ø	Length	Article code
6.3 mm	3.1 mm	210 mm	1001-DC 001*
3.0 mm	1.2 mm	230 mm	1001-DC 002
7.0 mm	6.4 mm	190 mm	1001-DC 004

* also guiding rod for working sleeve



TOM SHIDI NEEDLE

TOM SHIDI
NEEDLE



- WORKING LENGTH 170 MM
- CANNULATED 2.0 MM
- Ø 3 MM
- Ø 50 MM GLOBAL ERGONOMIC BALL HANDHOLD
- LOW WEIGHT
- SPECIAL STAINLESS MEDICAL STEEL
- MADE IN GERMANY
- CE

Article name	Article code
TOM Shidi point tip *	1001-TS 001
TOM Shidi drill tip *	1001-TS 002
TOM Shidi blunt tip *	1001-TS 003

* sensitive, LIMITED USE should be in stock

MANUAL BONE DRILL DISPOSABLE

MANUAL
BONE DRILL
DISPOSABLE

- LENGTH 235 MM
- CANNULATED
- TOM QUICK LOCK EASILY CONNECTS WITH BALL HANDLE 1001- BH 001
- SUBLAND TWISTER DRILLS
- SPECIAL DRILL DESIGN
- NERVE PROTECTION TIP
- SPECIAL STAINLESS MEDICAL STEEL
- MADE IN GERMANY
- CE



STERILE R

Diameter Ø	Nerve protection	Cannulated Ø	Article name	Article code
4.0 mm	2.5 mm	1.2 mm	Bone Drill	1001-BD 001
5.0 mm	2.5 mm	1.2 mm	Bone Drill	1001-BD 051

MANUAL BONE DRILLS

- LENGTH 235 MM
- CANNULATED
- TOM QUICK LOCK EASILY CONNECTS WITH BALL HANDLE 1001- BH 001
- SUBLAND TWISTER DRILLS
- SPECIAL DRILL DESIGN
- NERVE PROTECTION TIP
- SPECIAL STAINLESS MEDICAL STEEL
- MADE IN GERMANY
- CE

MANUAL
BONE
DRILLS



Diameter Ø	Nerve protection	Cannulated Ø	Article name	Article code
6.0 mm	4.0 mm	1.6 mm	Bone Drill	1001-BD 002
7.0 mm	6.0 mm	1.6 mm	Bone Drill	1001-BD 003
8.0 mm	7.0 mm	1.6 mm	Bone Drill	1001-BD 004

STENOSIS DEVICES

MANUAL BONE DRILL

- LENGTH 235 MM
- CANNULATED
- DIAMETER Ø 9 MM
- TOM QUICK LOCK EASILY CONNECTS WITH BALL HANDLE 1001- BH 001
- SAFETY TIP- NERVE PROTECTION- 7 MM
- STEP DRILL; FOLLOWS FIFTH DRILL

- CANNULATED FOR GUIDE WIRE GUIDANCE
- SPECIAL DRILL DESIGN
- NERVE PROTECTION TIP
- SPECIAL STAINLESS MEDICAL STEEL
- MADE IN GERMANY
- CE



Bone Drill | 1001- BD 005

MANUAL BONE MILL

- DIAMETER Ø 4.5 MM
- LENGTH 235 MM
- TOM QUICK LOCK EASILY CONNECTS WITH BALL HANDLE 1001- BH 001
- CROWN REAMER (TREPHINE)
- SPECIAL REAMER DESIGN
- INCL. TAPPET 1001-BD 007 FOR BONE REMOVAL
- SPECIAL STAINLESS MEDICAL STEEL
- MADE IN GERMANY
- CE

Bone Mill | 1001- BD 006

STENOSIS
DEVICES



TOM QUICK LOCK FITS ALL BONE DRILLS

- CANNULATED 3.6 MM
- Ø 60 MM GLOBAL HANDHOLD
- LIGHT, ERGONOMIC, RESONANCE DESIGN
- SPECIAL STAINLESS MEDICAL STEEL
- MADE IN GERMANY
- CE



Ball Handle	1001-BH 001
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REBOUND FREE HAMMER

- ONE SIDE PLASTIC SURFACE
- SPECIAL STAINLESS MEDICAL STEEL
- SILICON HANDLE
- MADE IN GERMANY
- CE

Painless Hammer	1001 - AI 001
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ADJUSTMENT SLEEVE

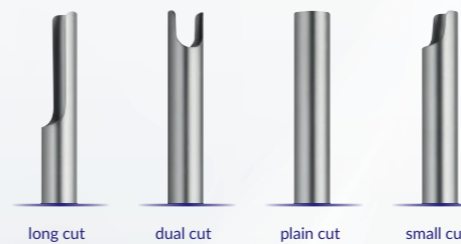
- FOR REPOSITIONING OF ENTRY POINT
- TWO CHANNELS ALLOW EASY ADJUSTMENT OF TOM SHIDI NEEDLE 1001-TS 001-003
- Ø 7,9 MM OUTER / 2.1 MM AWLS (240 MM / 250 MM)
- SPECIAL STAINLESS MEDICAL STEEL
- MADE IN GERMANY
- CE

Adjustment Sleeve	1001-AS 001
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WORKING SLEEVES

- ORIENTATION MARKS FOR CT-SCAN
- NERVE PROTECTION SAFETY TIP
- Ø 6.5 MM INNER / OUTER 7.5 MM FOR ENDOSCOPE 1002- TS 001
- Ø 7.2 MM INNER / OUTER 8.0 MM FOR ENDOSCOPE 1002- TS 003
- SPECIAL STAINLESS MEDICAL STEEL
- MADE IN GERMANY
- CE



Inner diameter Ø	Length	Article name	Article code
6.5 mm	170 mm	Working Sleeve	1001-ES 04
6.5 mm	170 mm	Working Sleeve	1001-ES 05
7.2 mm	170 mm	Working Sleeve	1001-ES 06
7.2 mm	170 mm	Working Sleeve long cut	1001-ES 08
7.2 mm	170 mm	Working Sleeve dual cut	1001-ES 09
7.2 mm	170 mm	Working Sleeve plain cut	1001-ES 10
7.2 mm	170 mm	Working Sleeve small cut	1001-ES 11



GUIDE WIRES

- 450 MM LENGTH
- SPECIAL STAINLESS MEDICAL STEEL
- MADE IN GERMANY
- CE
- 1.0 MM 1001-GW 003 WITH ORIENTATION MARKS

Article name	Article code
Guide Wires 0.7 mm	1001-GW 001
Guide Wires 1.5 mm	1001-GW 002
Guide Wires 1.0 mm	1001-GW 003

NEEDLE HOLDER

Needle Holder	1001-AI 004
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SURGICAL ACCESSORIES

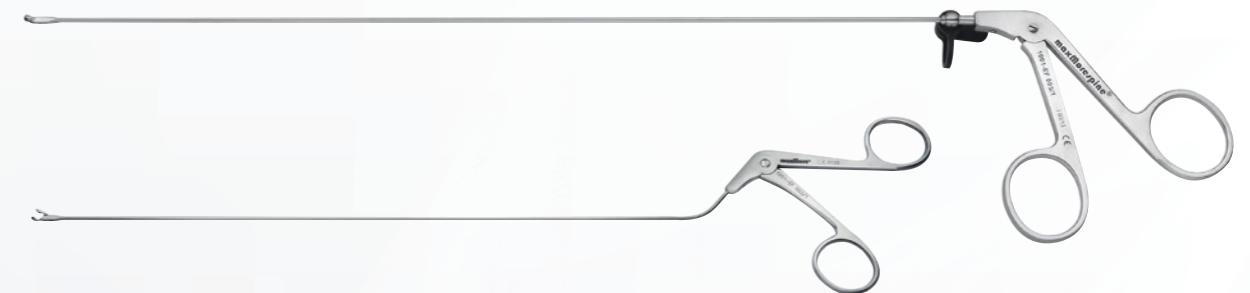
GUIDE WIRE DISPENSER

- PERFECT STORAGE FOR 0.7 MM GUIDE WIRES
- EASY DISPENSE FUNCTION
- AUTOCLAVABLE
- SPECIAL STAINLESS MEDICAL STEEL
- MADE IN GERMANY
- CE



Guide Wire Dispenser	1001-GW 004
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- SINGLE ACTION
- WEIL BLAKESELEY OR MICRO CUP
- SAFETY LOCK; DUE TO IST SPECIAL DESIGN THE FORCEPS MAY ONLY BREAK AT HANDLE NEVER AT JAW
- SPECIAL STAINLESS MEDICAL STEEL
- MADE IN GERMANY
- LUERLOCK
- CE



Length	Shaft Ø	Jaws Ø	Article name	Article code
200 mm	3.5 mm	3.5 mm	Endo Forceps	1001-EF 001
285 mm	3.5 mm	3.5 mm	Endo Forceps	1001-EF 001/1 **
285 mm bent	3.5 mm	3.5 mm	Endo Forceps	1001-EF 001/B **
200 mm	5.0 mm	5.0 mm	Endo Forceps	1001-EF 002
285 mm	2.5 mm	2.9 mm	Endo Forceps	1001-EF 003/1 *,**
285 mm bent	2.5 mm	2.9 mm	Endo Forceps	1001-EF 003/B *,**
320 mm	2.5 mm	2.7 mm	Endo Forceps	1001-EF 005/1*
320 mm	3.5 mm	3.5 mm	Endo Forceps	1001-EF 007

* sensitive

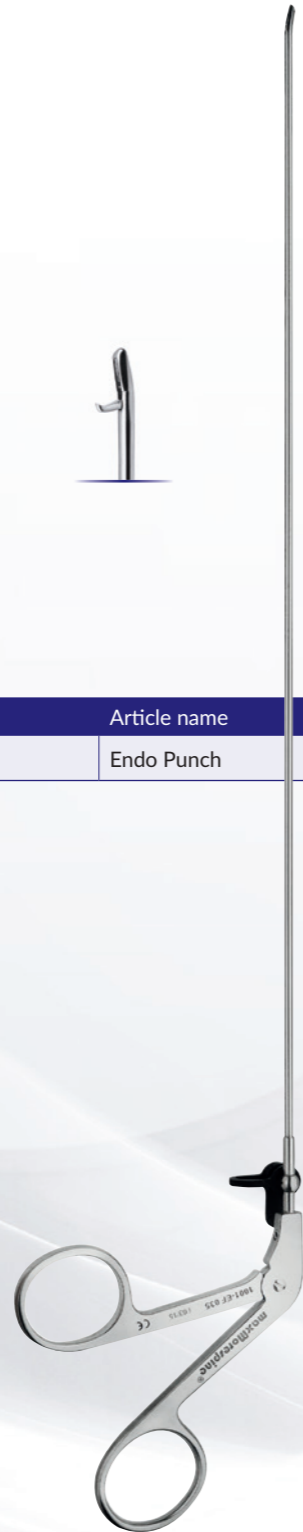
** NOT TO USE IN DISC SPACE should be in stock

ENDO PUNCH

- SINGLE ACTION
- 15° BENT
- LENGTH 320 MM
- Ø 2.5 MM SPECIAL DESIGN
- SPECIAL STAINLESS MEDICAL STEEL
- MADE IN GERMANY
- CE



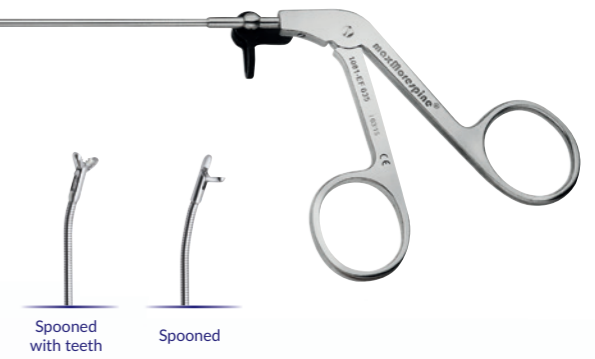
Length	Shaft Ø	Jaws Ø	Article name	Article code
320 mm	2.5 mm	15° bent	Endo Punch	1001-EF 035



ENDO
PUNCH

FLEXIBLE FORCEPS

- SEMI-FLEXIBLE FORCEPS
- JAW BILATERAL HORIZONTAL (FF 001)
- JAW VERTICAL (FF 001-1)
- LENGTH 320 MM
- Ø 2.5 MM SPECIAL DESIGN
- SPECIAL STAINLESS MEDICAL STEEL
- MADE IN GERMANY
- CE



Length	Shaft Ø	Tip	Article name	Article code
320 mm	2.5 mm	Spooned with teeth	Flexible Forceps	1001-FF 001
320 mm	2.5 mm	Spooned	Flexible Forceps	1001-FF 001-1

SUCTION PUNCH

- SINGLE ACTION
- USE WITH WORKING SLEEVE (EF-004)
- USE WITH ENDOSCOPE (EF-004/S)
- LENGTH 240 MM / LENGTH 290 MM
- Ø 5 MM SPECIAL DESIGN / Ø 3.5 MM SPECIAL DESIGN
- SPECIAL STAINLESS MEDICAL STEEL
- MADE IN GERMANY
- CE



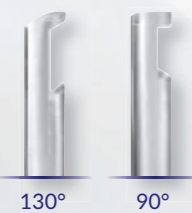
Length	Shaft Ø	Jaws Ø	Article name	Article code
240 mm	5 mm	4.5 mm	Suction Punch	1001-EF 004
290 mm	3.5 mm	3 mm	Suction Punch	1001-EF 004/S

ENDO 360° KERRISON

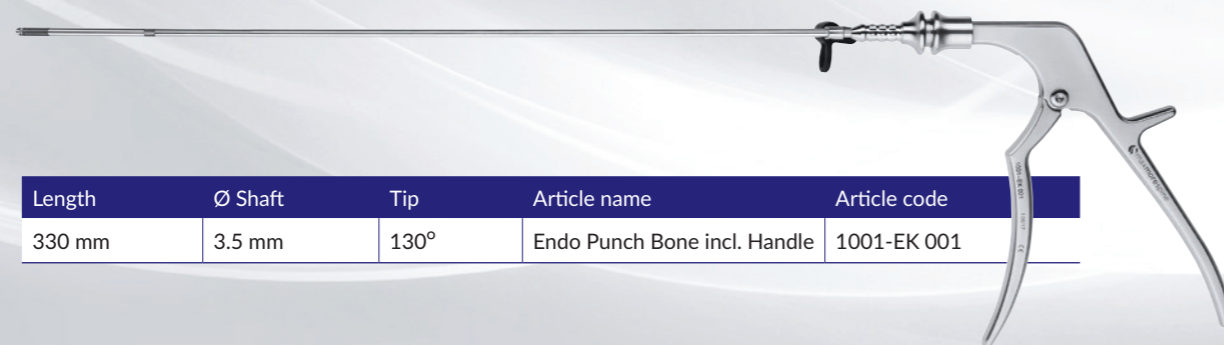
- CLICK HANDLE OFFERING 8 DIFFERENT ANGLE POSITIONS
- EASY PUSH AND PULL ADJUSTMENT AND EXCHANGE
- VARIETY OF JAW ANGLES 90° AND 130°
- SHAFT LENGTH 360MM
- VARIETY OF JAW SIZE 3.5 MM - 4.0 MM



Article name	Article code
Handle for Kerrison	1001-EP 001



Length	Ø Shaft	Tip	Article name	Article code
360 mm	3.5 mm	90°	Endo Punch Bone	1001-EP 002/90
360 mm	3.5 mm	130°	Endo Punch Bone	1001-EP 002/130
360 mm	4.0 mm	90°	Endo Punch Bone	1001-EP 003/90
360 mm	4.0 mm	130°	Endo Punch Bone	1001-EP 003/130



Length	Ø Shaft	Tip	Article name	Article code
330 mm	3.5 mm	130°	Endo Punch Bone incl. Handle	1001-EK 001

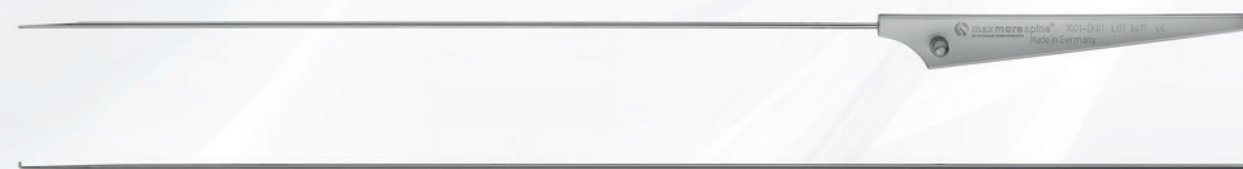
ABRASION DEVICES



- WORKING LENGTH 200 MM
- TO PERFORATE THE ENDPLATE UNTIL ABUNDANT BLEEDING IS VISUALIZED
- SPECIAL STAINLESS MEDICAL STEEL
- MADE IN GERMANY
- CE



Length	Ø Shaft	Tip	Article name	Article code
200 mm	2.5 mm	point straight tip	Abrasion Device	1001-ABR 1
200 mm	2.5 mm	point bent 30°	Abrasion Device	1001-ABR 2
200 mm	4.0 mm	micro cup 3.5 mm	Abrasion Device	1001-ABR 3
200 mm	4.0 mm	micro cup bent 30° 3.5 mm	Abrasion Device	1001-ABR 4



Length	Ø Shaft	Article name	Article code
400 mm	2.5 mm	Taktile Hook	1001-TH 001
290 mm	2.0 mm	Dissector	1001-DI 01

working channel



AUTOCLAVABLE
134°C / 272°F -18 MIN

Article name	Article code
Endoscope 3.7 mm	1002-TS 001
Endoscope 4.1 mm	1002-TS 003

ENDOSCOPE

SPECIAL
NEW
DESIGN

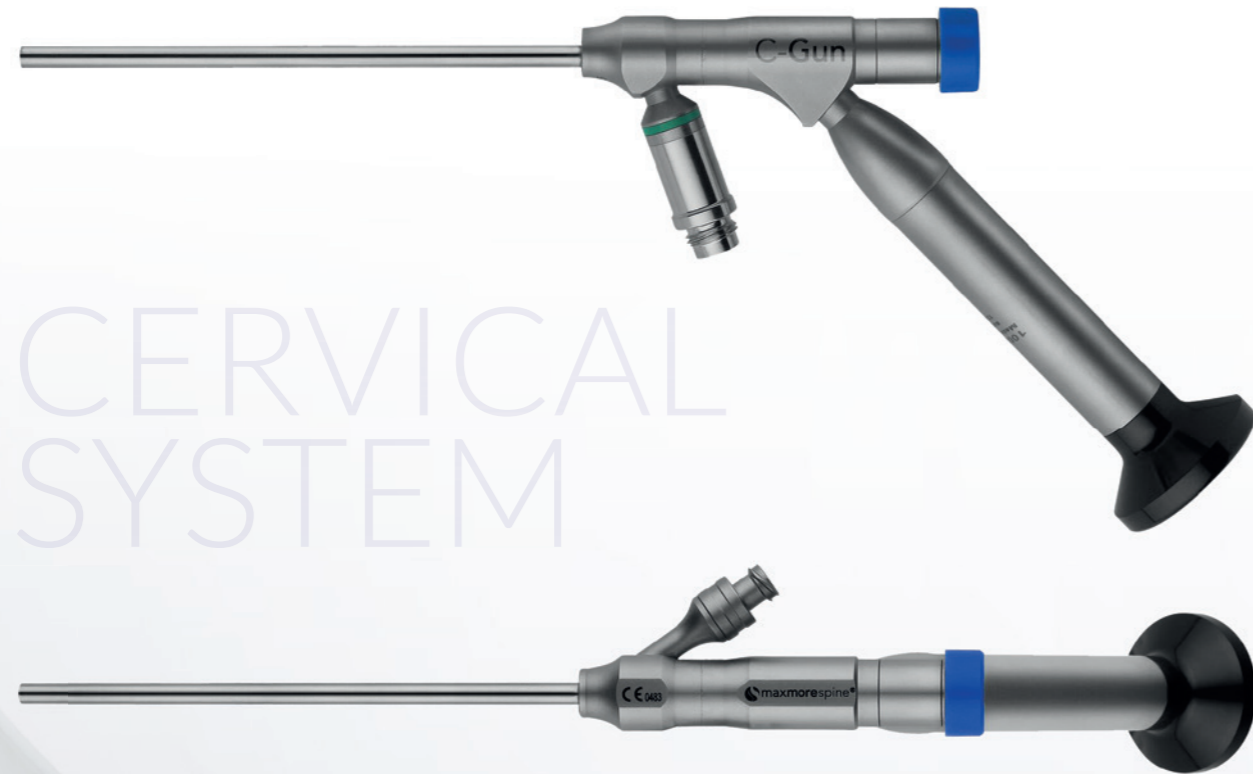
- 193 MM WORKING LENGTH
- RED 30° ANGLED DIRECTION OF VIEW
- SUCTION AND IRRIGATION CHANNEL WITH LÜRLOCK
- FIRST CLASS COMPACT OBJECTIVES
- LATEST GENERATION OF ROD LENSES GUARANTEES AN ILLUMINATION WHICH REALLY IS SECOND TO NONE

- SCRATCH-PROOF AND GOLD SOLDERED SAPHIRE GLASS ON THE DISTAL END AND SCRATCH-PROOF SAPHIRE GLASS ON OCULAR SIDE
- A HIGH ENLARGEMENT GUARANTEES A COMFORTABLE WORKING
- BRILLIANT ILLUMINATION AND CRYSTAL CLEAR RESOLUTION

- TRUE COLOUR REFLECTION AND REGULAR FOCUS ON THE WHOLE IMAGE
- OPTIMAL DEPTH OF FIELD
- STORZ - OLYMPUS - TEKNO / WOLF / ACMI ADAPTERS INCLUDED
- AUTOCLAVABLE

- INCL. 5 SEALING CAPS AND 2 CLEANING BRUSHES
- MADE IN GERMANY
- CE





Article name	Article code
Cervical Endoscope 2.1 mm	1002-CS 001

- 100 MM WORKING LENGTH;
- GREEN 0° ANGLED DIRECTION OF VIEW;
- ONE SUCTION AND IRRIGATION CHANNEL WITH LUERLOCK;
- LATEST GENERATION OF IMAGE BUNDLES;
- SCRATCH-PROOF SAPHIRE GLASS ON THE DISTAL END AND OCULAR SIDE;
- STORZ- OLYMPUS- TEKNO / WOLF / ACMI ADAPTERS INCLUDED;
- MADE IN GERMANY
- CE



Length	Ø Shaft	Ø Cannulated	Article name	Article code
150 mm	4.0 mm	1.2 mm	removable head	Cervical Dilator



Length	Ø Inner size	Ø Outer size	Article name	Article code
100 mm	4.2 mm	5.0 mm	2 orientation notches for CT-Scan	Cervical Sleeve
100 mm	4.2 mm	5.0 mm	nerve protection beveled safety tip	Cervical Sleeve 2



Length	Ø Shaft	Ø Cannulated	Article name	Article code
180 mm	2.0 mm	1.4 mm		Cervical Trephine

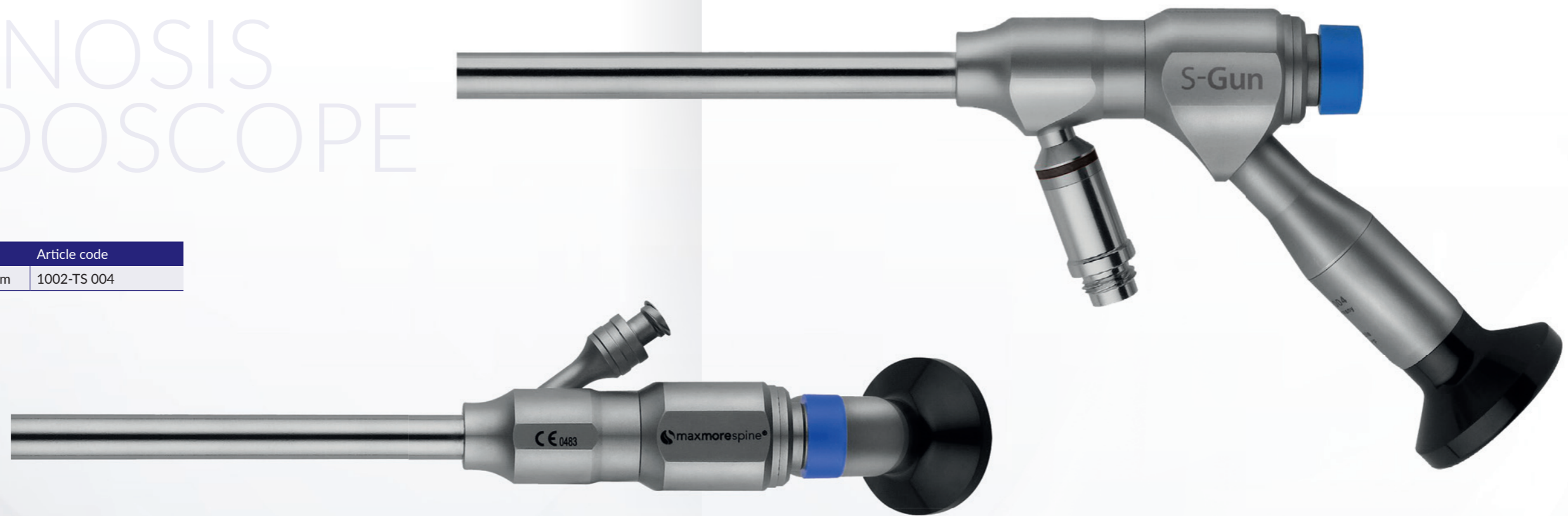
Length	Ø Shaft	Article name	Article code
255 mm	0.8 mm	10 pcs. per pack	Cervical Guide Wire



Length	Ø Shaft	Article name	Article code
270 mm	1.7 mm	double action; Micro cup;	Cervical Forceps
270 mm	1.7 mm	double action; crocodile cup	Cervical Forceps

STENOSIS ENDOSCOPE

Article name	Article code
Stenosis Endoscope 5.5 mm	1002-TS 004



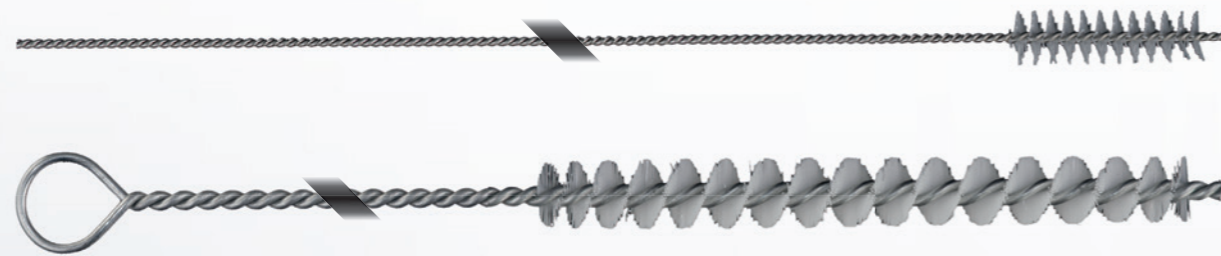
- 90 MM WORKING LENGTH
- BLACK 11° ANGLED DIRECTION OF VIEW;
- SUCTION/ IRRIGATION CHANNEL;
- FIRST CLASS COMPACT OBJECTIVES;
- LATEST GENERATION OF ROD LENSES GUARANTEES AN ILLUMINATION WHICH REALLY IS SECOND TO NONE;
- SCRATCH-PROOF AND GOLD SOLDERED SAPHIRE GLASS ON THE DISTAL END AND OCULAR SIDE;

- A HIGH ENLARGEMENT GUARANTEES A COMFORTABLE WORKING;
- BRILLIANT ILLUMINATION AND CRYSTAL CLEAR RESOLUTION;
- TRUE COLOUR REFLECTION AND REGULAR FOCUS ON THE WHOLE IMAGE;
- OPTIMAL DEPTH OF FIELD;
- STORZ- OLYMPUS- TEKNO / WOLF / ACMI ADAPTERS INCLUDED;
- AUTOCLAVABLE; INCL.1 SEALING CAB AND 2 CLEANING BRUSHES;
- MADE IN GERMANY;
- CE

TOM ENDOSCOPE ACCESSORIES

- CLEANING DEVICES
- USE WITH ALL TOM ENDOSCOPE
- MADE IN GERMANY
- CE

Article name	Article code
Endo Stick Cleaning Brush Small	1002- ZUB 001
Endo Stick Cleaning Brush Large	1002- ZUB 002
Sealing Cap	1002- ZUB 003



VERTICAL DRAPPINGS AND SPINAL NEEDLES

STERILE VERTICAL DRAPE SINGLE

- 240 X 320 CM INCL. 49X49 H2O BAG

STERILE CAMERA COVER SINGLE

- 14 X 254 CM

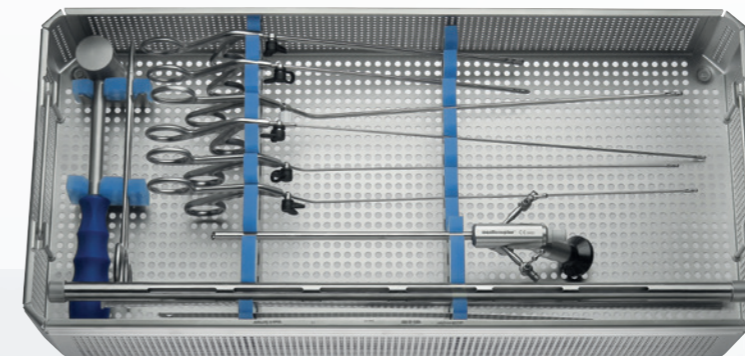
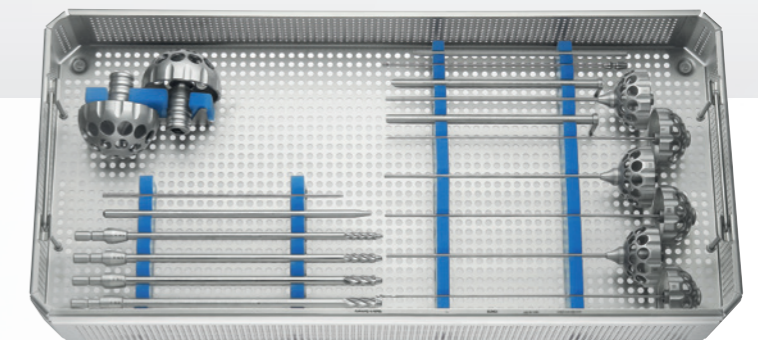
SPINAL NEEDLES 18G

- PACKAGE OF 10 PCS.

Article name	Article code
Vertical Drape Single	1008-A 005
Camera Cover Single	1008-A 006
Spinal Needles	1008-A 18

INSTRUMENT TRAYS

- SPECIALLY DESIGNED - FITS ALL max**more**spine® INSTRUMENTS
- AUTOCLAVABLE
- INSTRUMENTS ARE ARRANGED IN APPLICATION SEQUENCE
- IMMERSIBLE SUITABLE IN STANDARD CONTAINER 580 X 280 X 135 MM
- MADE IN GERMANY
- CE



Article name	Article code
Instrument Tray TOP	1001-IS 001
Instrument Tray BOTTOM	1001-IS 002
Instrument Container incl. lid	1001-IS 003
Sterile Filter >1200 circles	1001-IS 004



1 CHIP CAMERA PAL/NTSC/HD/HD WITH CAPTURE

- INTUITIVE EASY HANDLING
- MAXIMUM SAFETY
- FULL HD RESOLUTION
- CAPTURE OF VIDEOS AND STILL IMAGES
- SAVED ON A USB FLASH DRIVE, OPTIONAL
- HD PROGRESSIVE SCAN
- DIGITAL ZOOM, 2.5 X
- FREEZE FUNCTION
- REMOTE FUNCTION
- MENU IN 5 LANGUAGES
- USER SETTINGS CAN BE STORED
- ON-SCREEN MENU
- TITLE GENERATOR
- ANTI-MOIRÉ FILTER



Article name	Article code
1 Chip Camera PAL	1003- 754-2130
1 Chip Camera NTSC	1003- 754-2131

Article name	Article code
1 Chip Camera HD	1003- 754-2000 HD
1 Chip Camera HD with Capture	1003-754-2000 HDC

3 CHIP CAMERA HD AND 3 CHIP CAMERA HD WITH CAPTURE

- INTUITIVE EASY HANDLING
- MAXIMUM SAFETY
- FULL HD RESOLUTION
- CAPTURE OF VIDEOS AND STILL IMAGES
- SAVED ON A USB FLASH DRIVE, OPTIONAL
- HD PROGRESSIVE SCAN
- DIGITAL ZOOM, 2.5 X
- FREEZE FUNCTION
- REMOTE FUNCTION
- MENU IN 5 LANGUAGES
- USER SETTINGS CAN BE STORED
- ON-SCREEN MENU
- TITLE GENERATOR
- ANTI-MOIRÉ FILTER



Article name	Article code
3 Chip Camera HD	1003- 754-2500 HD
3 Chip Camera HD with Capture	1003- 754-2500 HDC

C-MOUNT OBJECTIVE

- FOCUS 25 MM
- SOAKABLE
- WATERPROOF
- REMOTE CONTROL
- QUICK LOCK AS WELL AS C-MOUNT COUPLING
- AUTHENTIC COLOR REPRODUCTION
- SUITABLE FOR ALL SYSTEMS WITH ADAPTER
- COMPACT DESIGN
- CE

Article name	Article code
C-Mount Objective	1003 - 754 70-206-25

3 CCD CAMERA ✓
1 CCD CAMERA ✓



AUTOCLAVABLE
134°C / 272°F -18 MIN

FIBEROPTIC LIGHT CABLE

- FIBER BUNDLE 4.9 MM
- HIGH DENSITY FIBEROPTIC CABLES ARE SPECIALLY PREPARED AT THE LIGHT ENTRANCE FOR TRANSPORTING MORE LIGHT.
- SUITED FOR HIGH ENERGY XENON LIGHT SOURCES
- SUITABLE FOR ALL COMMON SYSTEMS
- CE



AUTOCLAVABLE
134°C / 272°F -18 MIN

Article name	Article code
Fiber optic Light Cable LED 2300 mm	1003 - 39560-23



Light Source LED 100W | 1003- 754 LA 100

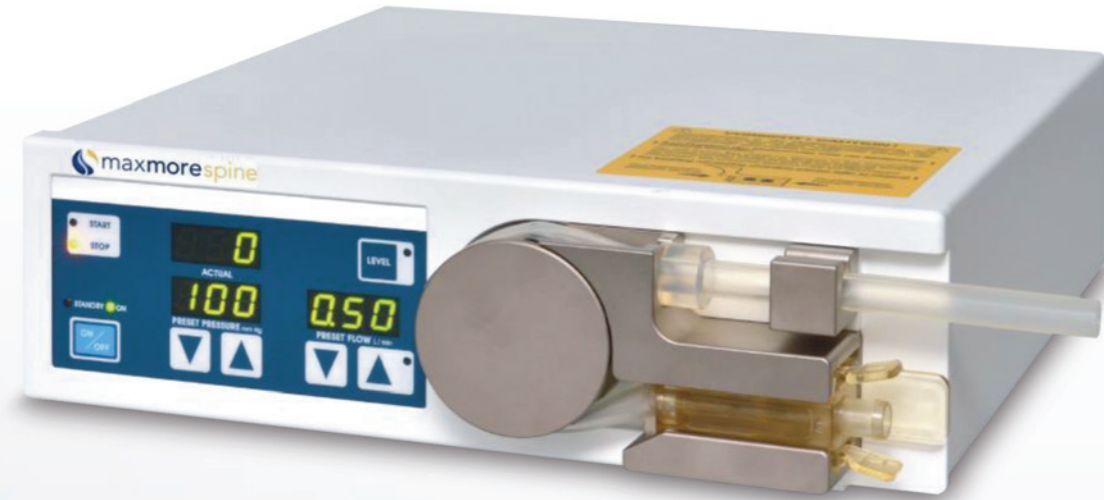
Light Source LED 300W | 1003- 754 LA 300

LIGHT SOURCE LED 100W

- INTUITIVE EASY HANDLING
- MAXIMUM SAFETY
- LED-TECHNOLOGY
- COST-EFFECTIVE
- BULB LIFE > 20,000 H
- ECO-FRIENDLY
- ELECTRONICAL INTENSITY CONTROL
- COLD-LIGHT
- SERVICE FREE

LIGHT SOURCE LED 300W

- INTUITIVE EASY HANDLING
- MAXIMUM SAFETY
- LED=TECHNOLOGY
- COST-EFFECTIVE
- LIFE TIME > 20,000 H
- ECO-FRIENDLY
- ELECTRONICAL INTENSITY CONTROL
- COLD-LIGHT
- SERVICE FREE



SPINE PUMP II

- PRESSURE RANGE: 10-100MMHG (EU)
- IRRIGATION RANGE: 0-0.75L/MIN
- POWER SUPPLY: 100/240 VAC
- FREQUENCY: 50/60 HZ
- MAX. POWER CONSUMPTION: 90 VA
- DIMENSIONS (W X D X H) 304 X 345 X 115 MM

Spine Pump II	1003-750-5070
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Tubing irrigation DISPOSABLE	1003-750-5070
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TUBING IRRIGATION DISPOSABLE

- DISPOSABLE TUBING SETS
- 10 P.U. HIGH CE 0483

ENDOSCREEN 21"

- 21" FLATSCREEN MONITOR
- 476.46MM(H)X268.11MM(V)
- AC ADAPTOR AC100V-120V, 200-240V+-10%
- 1920(H)X1080(V)
- 4:3/16:9
- 16.7MILLION 250CD/M2
- 3G/HD-SDI-1CH(BNC INCL. LOOPING OUT) DVI, 1CH(DVI-D), COMPOSITE, 1CH(BNC INCL. LOOPING OUT, NTSC/PAL, HDMI 1CH, PC1CH(D-SUB 15PIN), ANALOGUE R,G,B, (VGA TO WUXGA)
- 170° 100:1
- 515X390X182MM
- CE;
- MEDICALLY APPROVED: MPG

ENDOSCREEN 23" HD

- HD VERSION 27" FLAT SCREEN
- LCD PANEL: TFT ACTIVE MATRIX
- HD VERSION 27" 58.4 CM
- HD VERSION 1920 X 1200 (WUXGA)
- HD VERSION 0.258 X 0.258 MM
- COLOR: 16.8 MILL.
- VIEWING ANGLE: 178°
- BRIGHTNESS: 500 CD/M²
- VIDEO INPUTS: HD-SDI, HD-RGBS, HD-YPBPR DVI, SDI, RGBS, YPBPR, Y/C, VGA, COMPOSITE, SOG
- VIDEO OUTPUTS: HD-SDI, HD-RGBS, HD-YPBPR DVI, SDI, RGBS, YPBPR, Y/C, COMPOSITE, SOG
- PICTURE IN PICTURE (PIP): YES, MULTI MODALITY

Article name	Article code
Endoscreen 19"	1003- 753-0137
Endoscreen 23" HD	1003- 753-0132

TROLLEY + FLEX ARM



- DIMENSION 714 X 625 X 1711 MM
- BOARD WITH 6 PLUG BOXES
- 1 LCD MONITOR HOLDER (VESA 100)
- DRAWER UNIT
- TRANSFORMER FOR MEDICAL APPLICATIONS, INTEGRATED UNDERNEATH GROUNDPLATE
- APPROVED ACCORDING TO IEC 601-1/ EN60601-1, CE, SHORT CIRCUIT PROOFED, ACC. TO IEC 742 U. IEC 601-1
- FLEX ARM PLUS SCOPE HOLDING SYSTEM WITH FIXED DELRIN TIP
- ONE-PIECE FLEXIBLE ARM FOR MAXIMUM STABILIZATION AND POSITIONING OF ENDOSCOPE. ARM HAS AN INTEGRAL RAIL CLAMP AND A PERMANENT DELRIN TIP. ITS RIGID, VERTICAL HEIGHT IS 9.5" (24CM) THE FLEXIBLE PORTION IS 16" (40CM).

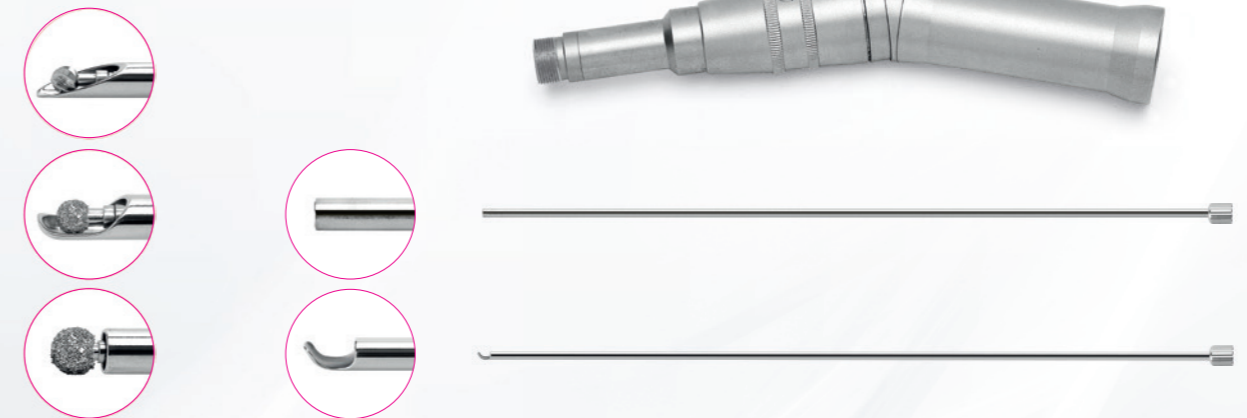


Article name	Article code
Trolley	1004- 758
Flex Arm	1003- 99054-D

ELECTRIC BONE DRILLS



- HAND PIECE LENGTH 110 MM
- DRILL BIT CARBIDE Ø 3.0 MM / Ø 3.5 MM, LENGTH 355 MM
- DRILL BIT DIAMANTE Ø 3.0 MM / Ø 4.0 MM, LENGTH 355 MM
- OUTER TUBE STANDARD, Ø 3.5 MM / Ø 4.0 MM
- OUTER TUBE WITH DISTAL PROTECTION Ø 4.0 MM
- SPECIAL STAINLESS MEDICAL STEEL
- MADE IN SWITZERLAND
- CE



Head Ø	Support tube Ø	Length	Article name	Article code
		110 mm	Hand Piece	1001-ED 001
	3.5 mm	355 mm	Outer Tube Standard open	1001-ED 002
3.0 mm	3.5 mm	355 mm	Electric Drill carbide	1001-ED 003
3.0 mm	3.5 mm	355 mm	Electric Drill diamond	1001-ED 004
	4.0 mm	355 mm	Outer Tube Standard open	1001-ED 005
	4.0 mm	355 mm	Outer Tube distal protection	1001-ED 006
3.5 mm	4.0 mm	355 mm	Electric drill carbide	1001-ED 007
4.0 mm	4.0 mm	355 mm	Electric drill diamond	1001-ED 008
			HighSurg30 Machine	1001-ED 009

OPERATING TABLE

Our high-quality, CE-certified operating table features a loadable (600kg) and easily cleanable top made of carbon. The operating table is specially designed to perform endoscopic spine surgery, X-ray-guided spinal fusion/stabilization surgery and spinal instrumentation in general. Additionally, it is also suited to intra-operative angiographies.

The continuously variable setting options of the angle of inclination of the table top on both sides of 0-9,5° and its height of 0,77-1,07 m enable surgeons to comfortably perform surgery.

For viewing purposes, the motor unit, visible on the image below, is removed from the other pictures. The second version of the operating table has a motor unit on each side.

The inclination and height of the table top can be easily and quickly adjusted by means of a convenient remote control. For a second version of the table, one additional switch for swiveling the table top to the right and left is mounted.



Article name	Article code
Operating Table	1008-OT 001
Operating Table	1008-OT 002



IF YOU HAVE ANY QUESTIONS REGARDING OUR PRODUCTS, PRICING OR PRODUCTS NOT FEATURED IN THIS CATALOGUE, PLEASE DO NOT HESITATE TO CONTACT US.

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We are committed to continuous quality improvement and to answering the ever increasing demands of our customers by supplying the latest technical developments.

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Pictures may show optional extras.

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