UNIDRIVE® SELECT Power Anywhere® in Neuro- & Spine Surgery







UNIDRIVE® SELECT

Power Anywhere®

The UNIDRIVE® SELECT from KARL STORZ is a multidisciplinary motor system with a modular concept that allows configuration according to customer requirements thanks to software licenses. This technology opens up a wide range of customizable possibilities and synergy effects in cross-specialty integration without disregarding economic efficiency.

The UNIDRIVE® SELECT combines proven product properties with innovative functions. Valuable features such as, for example, a wireless footswitch contribute to an even better customer experience. In combination with the ENDOMAT® SELECT irrigation pump, which communicates via the new KS HIVE® standard, the newest generation of pump technology is seamlessly integrated.

According to the motto "Power Anywhere®", the UNIDRIVE® SELECT motors and handpieces are driven with exactly the parameters required for the respective function and indication.



Power Anywhere® in Neurosurgery

In neurosurgery, the UNIDRIVE® SELECT stands out due to its versatility and great compatibility with diverse motors and handpieces. Whether for cranial neurosurgery or for use in skull base surgery, the new KARL STORZ portfolio offers suitable motors and handpieces.



- HighDrive® and LightDrive high-speed micro motors with up to 80,000 rpm
- High-speed drill handpieces
- Craniotomes
- Perforators
- DrillCut-X[®] II-35 shaver handpiece

Power Anywhere® in Spine Surgery

In spine surgery, the UNIDRIVE® SELECT stands out due to the drill and shaver handpieces that have been specially adapted to percutaneous spine surgery. With its wide range of high-speed motors and handpieces, the system is also ideally suited for use in microsurgical spine surgery.



- HighDrive® and LightDrive high-speed micro motors with up to 80,000 rpm
- High-speed drill handpieces
- DrillCut-X® II spine handpiece

UNIDRIVE® SELECT - The Complete Solution for Neuro- and Spine Surgery

High-Speed Micro Motors - HighDrive® & LightDrive



Two versions of the high-speed micro motors are available.

Thanks to its high torque, the powerful and air-cooled HighDrive® delivers a constant performance at low operating temperatures, even during challenging and long surgical procedures.

The compact LightDrive, on the other hand, impresses with its low weight and small diameter. Even at high speeds, it is quiet and easy to handle. The HighDrive® and LightDrive can be used for the same indications.

High-Speed Drill Handpieces

The high-speed drill handpieces that are compatible with the HighDrive® and LightDrive reach speeds of up to 80,000 rpm. They are available in various lengths and as straight and angled versions.

The ability to adjust the drill length in three stages offers the operating surgeon the opportunity to flexibly respond to the patient's anatomy and at the same time offers savings potential with regard to warehousing as fewer drill types have to be kept in stock.

Drill handpieces with an integrated irrigation channel offer more added value thanks to good visibility of the distal tip and simultaneous cooling of the handpiece.









Perforator

The perforator handpiece for trepanation is equipped with a standard adaptor so that it can be used with all commercially available perforators with a Hudson connection.

Craniotome

The craniotome can be optimally adapted to the patient's bone thickness thanks to craniotome attachments that come in three different sizes. The craniotome attachment is directly affixed to High-Speed Drill Handpiece 362645, which eliminates the need for an additional investment in a specific craniotome handpiece.



DrillCut-X® II Shaver Handpiece



The DrillCut-X® II-35 handpiece for use in ENT achieves speeds of up to 35,000 rpm, which allows rapid bone ablation. In addition to the drill function, the DrillCut-X® II-35 handpiece also features a shaver function. A wide range of different shaver or sinus burr attachments makes it possible to respond individually to different patient anatomies and/or indication requirements.

DrillCut-X® II SPINE Handpiece

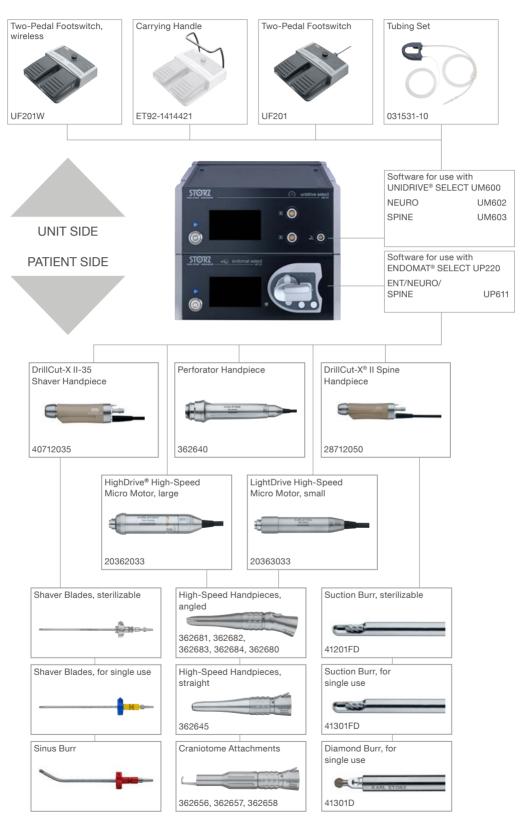
The DrillCut-X® II SPINE handpiece was developed for the treatment of spinal canal stenoses and can be connected to drills specially developed for percutaneous endoscopic lumbar decompression.

The drill can be used with telescopes that are optimized for access through the interlaminar window.



UNIDRIVE® SELECT

System Components



UNIDRIVE® SELECT



UM600 UNIDRIVE® SELECT, motor control unit with color display,

touch screen control, two motor outputs, power supply 100-

240 VAC, 50/60 Hz

UM602 **Neuro Software,** license, allows the use of shaver

handpieces, high-speed motors and perforator handpieces

with the UNIDRIVE® SELECT UM600

UM603 Spine Software, license, allows the use of shaver

handpieces and high-speed motors with the

UNIDRIVE® SELECT UM600



UP220 **ENDOMAT® SELECT,** suction or irrigation pump,

incl. mains cord, power supply 100-240 VAC, 50/60 Hz,

with integrated unit communication via KS HIVE®

UP611 ENT/NEURO/SPINE Software, license,

allows irrigation for the UNIDRIVE® SELECT UM600 motor

system, for use with ENDOMAT® SELECT UP220

UF201 **Two-Pedal Footswitch,** one-stage



UF201W **Two-Pedal Footswitch,** one-stage, wireless,

including footswitch, receiver, power supply

ET92-1414421 Spare Part Kit, carrying handle cpl. GP217 STORZ

(2-pedal)



031531-10 **Tubing Set,** irrigation, UNIDRIVE®,

sterile, for single use,

package of 10,

for use with ENDOMAT® SELECT UP220



Mobile Stand



UG803	Subrack COR Mobile Stand, low
UG811	Top Cover, COR mobile stand
UG823	Special Equipment Shelf, COR mobile stand
UG854	Stainless Steel Tube, COR mobile stand, length 400 mm
UG815	Equipment Rail, COR mobile stand
UG902	Footswitch Holder, for two-pedal footswitch
8404HK	Double Hook for Crossbar, height adjustable, for use with crossbar diameter 25 mm
UG891	Multiple Socket Strip Set
Optional:	
UG896	Isolation Transformer, 230 V, 600 VA
UG864	Protective Housing Isolation Transformer

Transformer UG896

Special Mains Cord, length 150 cm

High-Speed Micro Motors – 80,000 rpm

UG898

2x UG892



HighDrive®, high-speed micro motor, large, max. speed 80,000 rpm, for use with UNIDRIVE® SELECT UM600 consisting of:

20362133 High-Speed Micro Motor, without cable20362233 Cable for High-Speed Micro Motor, large

Earth Leakage Monitor, 230 V, for use with Isolation



LightDrive, high-speed micro motor, small, max. speed 80,000 rpm, for use with UNIDRIVE® SELECT UM600 consisting of:

20363133 High-Speed Micro Motor, without cable20363233 Cable for High-Speed Micro Motor, small

High-Speed Drill Handpieces - 80,000 rpm



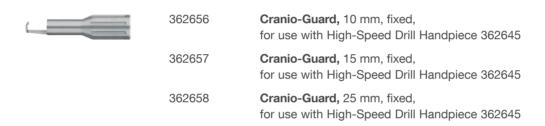


Perforator Handpiece, max. speed 1250 rpm, without perforator blade, Hudson connection, for use with UNIDRIVE® SELECT UM600, consisting of:

362641 Perforator Motor

362642 Cable for Perforator Motor

Craniotome Attachments



High-Speed Craniotome Burrs (single-use)

362640S	High-Speed Craniotome Burr, short, 80,000 rpm, sterile, for single use, for use with High-Speed Drill Handpiece 362645	STERILE 2
362640M	High-Speed Craniotome Burr, medium, 80,000 rpm, sterile, for single use, for use with High-Speed Drill Handpiece 362645	STERILE 2
362640L	High-Speed Craniotome Burr, long, 80,000 rpm, sterile, for single use, for use with High-Speed Drill Handpiece 362645	STERILE 2

High-Speed Burrs (single-use) Length 70 mm, 80,000 rpm, sterile

For use with High-Speed Drill Handpieces 362680, 362681, 362645





Diameter	Standard (package of 5)	Diamond	Coarse diamond	Very coarse diamond
1.0 mm	-	360210ES	-	-
2.0 mm	-	360220ES	-	-
2.3 mm	360123ES	-	360323ES	-
2.5 mm	-	360225ES	-	-
3.1 mm	360131ES	360231ES	360331ES	-
4.0 mm	360140ES	360240ES	-	360340ES
5.0 mm	360150ES	360250ES	-	-
6.0 mm	360160ES	-	-	-
7.0 mm	360170ES	-	-	-

High-Speed Burrs (single-use) Length 95 mm, 80,000 rpm, sterile

For use with High-Speed Drill Handpiece 362682





Diameter	Standard	Diamond	Coarse diamond
1.0 mm	-		-
2.3 mm			-
3.1 mm			-
4.0 mm		-	
5.0 mm		-	

High-Speed Burrs (single-use) Length 125 mm, 80,000 rpm, sterile

For use with High-Speed Drill Handpiece 362683





Diameter	Standard	Diamond	Coarse diamond	Very coarse diamond
1.0 mm	-	360210M	-	-
2.3 mm	360123M	360223M	-	-
3.1 mm	360131M	360231M	360331M	-
4.0 mm	360140M	360240M	360340M	-
4.7 mm	-	-	-	363347M
5.0 mm	360150M	-	360350M	-
6.0 mm	360160M	-	-	-

High-Speed Burrs (single-use) Length 150 mm, 80,000 rpm, sterile

For use with High-Speed Drill Handpiece 362684





Diameter	Standard	Diamond	Coarse diamond
1.0 mm	-	360210L	-
1.8 mm	-	360218L	-
3.1 mm	360131L	360231L	360331L
4.0 mm	360140L	360240L	360340L
5.0 mm	360150L	-	360350L

High-Speed Burrs (reusable) Length 70 mm, 50,000 rpm, unsterile

For use with High-Speed Drill Handpieces 362680, 362681, 362645















Diameter	Standard	Diamond	Coarse diamond	Tungsten carbide
0.5 mm	-	-	-	340805
0.6 mm	-	340206	-	-
0.8 mm	340108	340208	-	340808
1.0 mm	340110	340210	-	340810
1.4 mm	340114	340214	-	340814
1.8 mm	340118	340218	-	340818
2.3 mm	340123	340223	340323	340823
2.7 mm	340127	340227	340327	340827
3.1 mm	340131	340231	340331	340831
3.5 mm	340135	340235	340335	340835
4.0 mm	340140	340240	340340	340840
5.0 mm	340150	340250	340350	340850
6.0 mm	340160	340260	340360	340860
7.0 mm	340170	340270	-	340870

Accessories



39552A Wire Tray,

provides safe storage of accessories for KARL STORZ drilling/grinding systems during cleaning and sterilization, includes tray for small parts, without rack, for use with Rack 280030

For storage of:

- Up to 6 drill handpieces
- Connecting cable
- EC micro motor
- Small parts



39502ZH Wire Tray, for cleaning, sterilization and storage of

instruments, stackable, including hole plate walls and foldaway handles, external dimensions (w x d x h):

240 x 250 x 66 mm



39100SH Silicone Grid Insert LARGE DIAMOND GRID, blue,

extra wide mesh, for the storage of instruments in standard wire trays, plastic and sterilization containers, external

dimensions: (w x d): 230 x 240 mm



39502LH **Lid**

280030 Rack, for 36 straight shaft burrs

with a length of 7 cm, foldable, sterilizable, dimensions (w x d x h): 220 x 115 x 20 mm

280063 Lubricant Spray LUBRIFLUID,

for maintenance of handpieces, contra-angles and air motors,

package of 6x 500 ml bottles,
- HAZARDOUS GOODS - UN1950

280064 Cleaning Product AQUACARE,

for instruments used with physiological fluid,

package of 6x 500 ml bottles,

- HAZARDOUS GOODS - UN1950

Shaver Handpieces for Percutaneous Spinal Endoscopy



28712050

28712050 DrillCut-X® II Spine Handpiece, for use with UNIDRIVE® SELECT



2

41201FD

Suction Burr, with integrated irrigation, straight, sterilizable, cylindrical cutter head with lateral and distal protection, shaft diameter 3.5 mm, working length 30 cm, for use with DrillCut-X® II Spine Handpiece 28712050



for single use



41301FD

41301FD

Suction Burr, with integrated irrigation, straight, sterile, for single use, package of 5, cylindrical cutter head with lateral and distal protection, shaft diameter 3.5 mm, working length 30 cm, for use with DrillCut-X® II Spine Handpiece 28712050



41301D

Diamond Burr, with integrated irrigation, straight, sterile, for single use, package of 5, diamond head, shaft diameter 3.5 mm, working length 30 cm, for use with DrillCut-X® II Spine Handpiece 28712050

Shaver Handpieces for Endonasal Surgery



40712035

DrillCut-X® II-35 Shaver Handpiece, for use with UNIDRIVE® SELECT



40712090

Handle, adjustable, for use with all DrillCut-X® II shaver handpieces

Shaver Handpieces Accessories



39550A

Wire Tray, provides safe storage of accessories for KARL STORZ paranasal sinus shaver systems during cleaning and sterilization for:

- Up to 7 shaver attachments
- Connecting cable



41200RA

Cleaning Adaptor, LUER-Lock, for cleaning the inner and outer blades of DrillCut-X® accessories

consisting of:

41200RA1 **Cleaning Adaptor**, for inner blades 41200RA2 **Cleaning Adaptor**, for outer blades



41250RA

Cleaning Adaptor, LUER-Lock, for cleaning

DrillCut-X®/DrillCut-X® II handpieces



031531-10

Tubing Set, irrigation, UNIDRIVE®, sterile, for single use, package of 10, for use with ENDOMAT® SELECT UP220





Universal Spray, 6x 500 ml bottles, - HAZARDOUS GOODS - UN 1950

Included in delivery: 280053B **Universal Spray,** 500 ml 280053C **Spray Nozzle**



Recommended KARL STORZ Standard Set Configurations

Endonasal Skull Base Surgery

UM600 UNIDRIVE® SELECT, motor control unit with color display, touch screen control,

two motor outputs, power supply 100-240 VAC, 50/60 Hz

UM602 **Neuro Software**, license, allows the use of shaver handpieces,

high-speed motors and perforator handpieces, for use with UNIDRIVE® SELECT UM600

UF201W **Two-Pedal Footswitch,** one-stage, wireless,

including footswitch, receiver, power supply unit

ET92-1414421 Spare Parts Kit, carrying handle cpl. GP217 STORZ (2-pedal)

UP220 **ENDOMAT® SELECT,** suction or irrigation pump, incl. mains cord,

power supply 100-240 VAC, 50/60 Hz, with integrated unit communication

via KS HIVE®

UP611 ENT/NEURO/SPINE Software, license,

allows irrigation for the UNIDRIVE® SELECT UM600 motor system,

for use with ENDOMAT® SELECT UP220

031531-10 **Tubing Set,** irrigation, UNIDRIVE®, sterile, for single use,

package of 10, for use with ENDOMAT® SELECT UP220

20362033 **HighDrive®**, high-speed micro motor, large, max. speed 80,000 rpm,

for use with UNIDRIVE® SELECT UM600

consisting of:

20362133 **High-Speed Micro Motor,** without cable 20362233 **Cable for High-Speed Micro Motor,** large

Alternative micro motor:

20363033 LightDrive, high-speed micro motor, small, max. speed 80,000 rpm,

for use with UNIDRIVE® SELECT UM600

consisting of:

20363133 **High-Speed Micro Motor,** without cable 20363233 **Cable for High-Speed Micro Motor,** small

362683 High-Speed Drill Handpiece, 125 mm, angled, 80,000 rpm,

for use with High-Speed Micro Motors 20362033 and 20363033

362684 **High-Speed Drill Handpiece,** 150 mm, angled, 80,000 rpm,

for use with High-Speed Micro Motors 20362033 and 20363033

39552A Wire Tray,

provides safe storage of accessories for KARL STORZ drilling/grinding systems during

cleaning and sterilization, includes tray for small parts, rack not included,

for use with Rack 280030

For storage of:

• Up to 6 drill handpieces

Connecting cable

• EC micro motor

Small parts

Note: Burrs must be ordered separately.

STERILE (2)

Recommended KARL STORZ Standard Set Configurations

Craniotomy

UM600 UNIDRIVE® SELECT, motor control unit with color display, touch screen control,

two motor outputs, power supply 100-240 VAC, 50/60 Hz

UM602 Neuro Software, license, allows the use of shaver handpieces,

> high-speed motors and perforator handpieces, for use with UNIDRIVE® SELECT UM600

UF201W Two-Pedal Footswitch, one-stage, wireless,

including footswitch, receiver, power supply unit

Spare Parts Kit, carrying handle cpl. GP217 STORZ (2-pedal) ET92-1414421

UP220 ENDOMAT® SELECT, suction or irrigation pump, incl. mains cord,

power supply 100-240 VAC, 50/60 Hz,

with integrated unit communication via KS HIVE®

ENT/NEURO/SPINE Software, license, allows irrigation **UP611**

for the UNIDRIVE® SELECT UM600 motor system.

for use with ENDOMAT® SELECT UP220

031531-10 **Tubing Set,** irrigation, UNIDRIVE®, sterile, for single use,

package of 10, for use with ENDOMAT® SELECT UP220

362640 Perforator Handpiece, max. speed 1250 rpm, without perforator blade,

Hudson connector, for use with UNIDRIVE® SELECT UM600,

consisting of:

362641 **Perforator Motor**

362642 **Cable for Perforator Motor**

20362033 HighDrive®, high-speed micro motor, large, max. speed 80,000 rpm,

for use with UNIDRIVE® SELECT UM600

consisting of:

20362133 High-Speed Micro Motor, without cable 20362233 Cable for High-Speed Micro Motor, large

Alternative micro motor:

20363033 LightDrive, high-speed micro motor, small, max. speed 80,000 rpm,

for use with UNIDRIVE® SELECT UM600

consisting of:

20363133 High-Speed Micro Motor, without cable 20363233 Cable for High-Speed Micro Motor, small STERILE (2)

Recommended KARL STORZ Standard Set Configurations

Craniotomy

362656	Cranio-Guard, 10 mm, fixed, for use with High-Speed Handpiece 362645
362657	Cranio-Guard, 15 mm, fixed, for use with High-Speed Handpiece 362645
362658	Cranio-Guard, 25 mm, fixed, for use with High-Speed Handpiece 362645
362645	High-Speed Drill Handpiece, 70 mm, straight, 80,000 rpm, with integrated irrigation, for use with High-Speed Micro Motors 20362033 and 20363033
362680	High-Speed Drill Handpiece, 70 mm, angled, 80,000 rpm, with integrated irrigation, for use with High-Speed Micro Motors 20362033 and 20363033
362682	High-Speed Drill Handpiece, 95 mm, angled, 80,000 rpm, for use with High-Speed Micro Motors 20362033 and 20363033
39552A	Wire Tray, provides safe storage of accessories for KARL STORZ drilling/grinding systems during cleaning and sterilization, includes tray for small parts, rack not included For storage of: • Up to 6 drill handpieces • Connecting cable • EC micro motor • Small parts, for use with Rack 280030
39502ZH	Wire Tray, for cleaning, sterilization and storage of instruments, stackable, including hole plate walls and foldaway handles, external dimensions (w x d x h): $240 \times 250 \times 66$ mm
39502LH	Lid
39100SH	Silicone Grid Insert LARGE DIAMOND GRID

Note: Burrs must be ordered separately.

STERILE (2)

Recommended KARL STORZ Standard Set Configurations

General Spine Surgery

UM600 UNIDRIVE® SELECT, motor control unit with color display, touch screen control,

two motor outputs, power supply 100-240 VAC, 50/60 Hz

UM603 Spine Software, license, allows the use of shaver handpieces and high-speed motors,

for use with UNIDRIVE® SELECT UM600

UF201W **Two-Pedal Footswitch,** one-stage, wireless,

including footswitch, receiver, power supply unit

ET92-1414421 Spare Parts Kit, carrying handle cpl. GP217 STORZ (2-pedal)

UP220 **ENDOMAT® SELECT,** suction or irrigation pump, incl. mains cord,

power supply 100-240 VAC, 50/60 Hz, with integrated unit communication

via KS HIVE®

UP611 ENT/NEURO/SPINE Software, license, allows irrigation

for the UNIDRIVE® SELECT UM600 motor system,

for use with ENDOMAT® SELECT UP220

031531-10 **Tubing Set,** irrigation, UNIDRIVE®, sterile, for single use,

package of 10, for use with ENDOMAT® SELECT UP220

20362033 **HighDrive®**, high-speed micro motor, large, max. speed 80,000 rpm,

for use with UNIDRIVE® SELECT UM600

consisting of:

20362133 **High-Speed Micro Moto**r, without cable 20362233 **Cable for High-Speed Micro Motor,** large

Alternative micro motor:

20363033 LightDrive, high-speed micro motor, small, max. speed 80,000 rpm,

for use with UNIDRIVE® SELECT UM600

consisting of:

20363133 **High-Speed Micro Motor,** without cable 20363233 **Cable for High-Speed Micro Motor,** small

362683 **High-Speed Drill Handpiece**, 125 mm, angled, 80,000 rpm,

for use with High-Speed Micro Motors 20362033 and 20363033

362684 **High-Speed Drill Handpiece.** 150 mm. angled, 80,000 rpm.

for use with High-Speed Micro Motors 20362033 and 20363033

39552A Wire Tray,

provides safe storage of accessories for KARL STORZ drilling/grinding systems during

cleaning and sterilization, includes tray for small parts, rack not included,

for use with Rack 280030

For storage of:

• Up to 6 drill handpieces

Connecting cable

• EC micro motor

Small parts

Note: Burrs must be ordered separately.

Recommended KARL STORZ Standard Set Configurations

Percutaneous Spinal Endoscopy

UM600 UNIDRIVE® SELECT, motor control unit with color display, touch screen control,

two motor outputs, power supply 100-240 VAC, 50/60 Hz

UM603 Spine Software, license, allows the use of shaver handpieces and high-speed motors,

for use with UNIDRIVE® SELECT UM600

UF201W **Two-Pedal Footswitch,** one-stage, wireless,

including footswitch, receiver, power supply unit

ET92-1414421 Spare Parts Kit, carrying handle cpl. GP217 STORZ (2-pedal)

UP220 **ENDOMAT® SELECT,** suction or irrigation pump, incl. mains cord,

power supply 100-240 VAC, 50/60 Hz, with integrated unit communication

via KS HIVE®

UP611 ENT/NEURO/SPINE Software, license, allows irrigation

for the UNIDRIVE® SELECT UM600 motor system,

for use with ENDOMAT® SELECT UP220

031531-10 **Tubing Set,** irrigation, UNIDRIVE®, sterile, for single use,

package of 10, for use with ENDOMAT® SELECT UP220

28712050 DrillCut-X® II Spine Handpiece, for use with UNIDRIVE® SELECT

41301FD **Suction Burr,** with integrated irrigation, straight, sterile, for single use,

package of 5, cylindrical cutter head with lateral and distal protection,

shaft diameter 3.5 mm, working length 30 cm,

for use with DrillCut-X® II Spine Handpiece 28712050

41301D **Diamond Burr,** with integrated irrigation, straight, sterile, for single use,

package of 5, diamond head, shaft diameter 3.5 mm, working length 30 cm,

for use with DrillCut-X® II Spine Handpiece 28712050

39550A Wire Tray, provides safe storage of accessories for KARL STORZ paranasal sinus

shaver systems during cleaning and sterilization

For storage of:

• Up to 7 shaver attachments

• Paranasal sinus shaver handpiece

Connecting cable

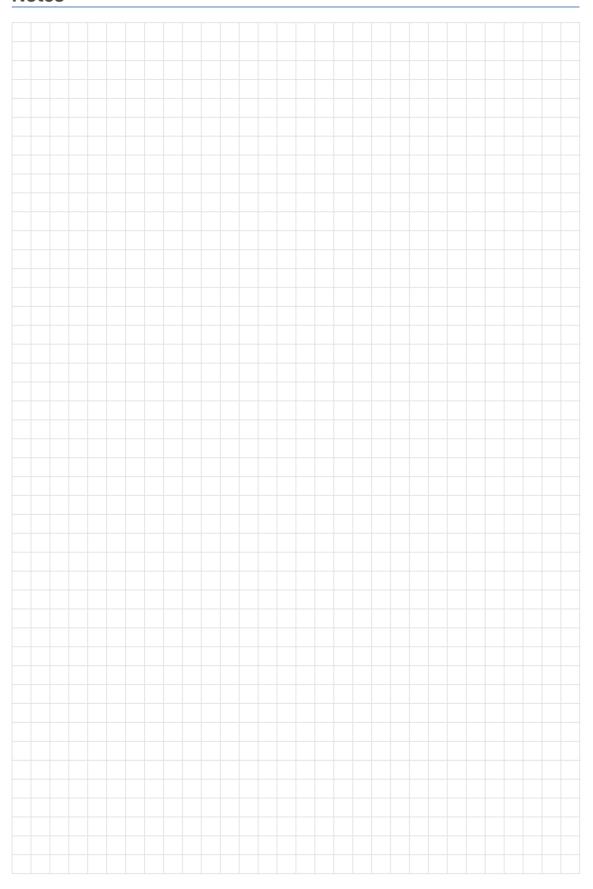
Note: Burrs must be ordered separately.

STERILE (2)

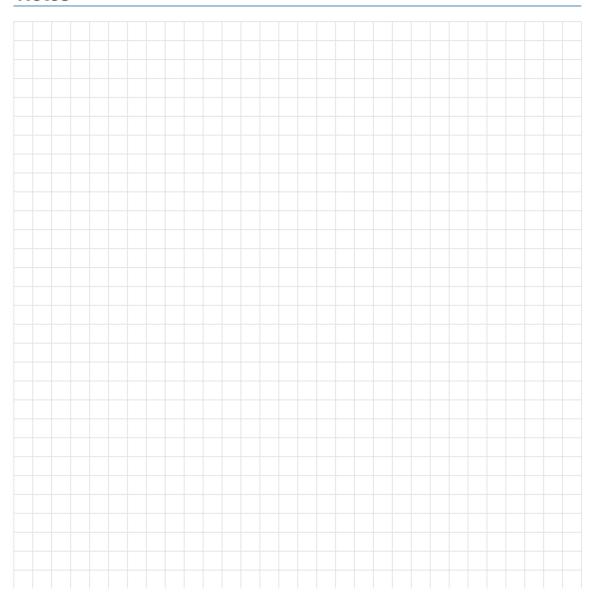
STERILE (2)

STERILE (2)

Notes









Shaping the Future of Endoscopy with you



KARL STORZ SE & Co. KG

Dr.-Karl-Storz-Straße 34, 78532 Tuttlingen/Germany

Postbox 230, 78503 Tuttlingen/Germany

Phone: +49 7461 708-0 Fax: +49 7461 708-105 E-Mail: info@karlstorz.com

www.karlstorz.com

