

a bess group company

Stents for Gastroenterology







The instructions for use for some of our products are available only in electronic form (in pdf format) on our website.

Please see the product label for the required access information.





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aixstent®

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Errors and omissions excepted. 03/2017



For you we walk the extra mile.

Inspiring solutions. Convincing quality.
Advice that leaves no question unanswered.
Since 2003 Leufen Medical has been offering self-expanding stents for Gastroenterology.
Our high demands on quality and functionality have earned us the trust of doctors and patients.

Not only German Doctors appreciate our products. Due to the high international demand, we cooperate with selected certified distributors. Expansion means for us:

Being there. Personally. Professionally.

Expansion also means: driving innovation, developing new ideas and turning visions into reality. At congresses and in cooperation with our partners we present the latest developments in the field of medical device technology and their clinical application.

To manage the future and the increasing regulatory requirements for our innovative products, Leufen Medical has become a subsidiary of bess AG in 2014. The bess group is an owner-managed company located in Berlin with more than 25 years expertise in the medical device industry.

The bess group comprises of several medical device manufacturers, including Novatech SA, manufacturer of the original DUMON®/GSS™ trachea-bronchial stents.

A member of the bess group, Leufen Medical can now make use of highly specialized services to continue and extend our tried-and-tested product lines.

Combining forces, we look forward to improving our support and quality to you!

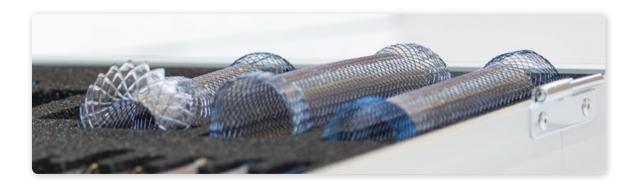




Custom design

Each patient has their own story. Each diagnosis is individual. Good thing Leufen Medical offers a wide range of stents in different lengths and diameters to meet the needs of each patient. In special cases, we manufacture individual stents for your patient.

Please contact us!



aixstent®



In addition to the **aix**stents® contained in this catalog, Leufen Medical provides **aer**stents®, self-expanding Nitinol stents for pneumology.

Please ask for our Pneumology catalog!





aixstent® OES

Esophageal Stent

Leufen Medical offers a wide range of self-expandable esophageal stents with diameters of 20 and 24 mm and lengths from 60 to 140 mm.

OES stents have design features such as atraumatic ends and a strong radial force which helps to prevent migration.

OES Esophageal Stents are pre-mounted on their reloadable delivery system. For correction of the stent position, the stent can be repositioned into the delivery system during the procedure.

Strategically placed radiopaque tantalum markers make the stents clearly visible in fluoroscopy.

aixstent® OES — partial silicone cover				
REF	Total length (mm)	Cover length (mm)	Ø Middle (mm)	Ø End (mm)
102-20-060	60	30	20	26
102-20-080	80	50	20	26
102-20-100	100	70	20	26
102-20-120	120	90	20	26
102-20-140	140	110	20	26
102-24-080	80	50	24	30
102-24-100	100	70	24	30
102-24-120	120	90	24	30
102-24-140	140	110	24	30
Custom mad	Custom made stents are available. Please contact us!			

aixstent® OES — complete silicone cover				
REF	Total length (mm)	Cover length (mm)	Ø Middle (mm)	Ø End (mm)
103-20-060	60	60	20	26
103-20-080	80	80	20	26
103-20-100	100	100	20	26
103-20-120	120	120	20	26
103-20-140	140	140	20	26
103-24-080	80	80	24	30
103-24-100	100	100	24	30
103-24-120	120	120	24	30
103-24-140	140	140	24	30
Custom mad	le stents are ava	ailable. Please c	ontact us!	



- Stent with partial or complete silicone cover
- Atraumatic ends
- Extraction threads of high tensile strength on both ends
- High radial force due to Nitinol
- Radiopaque tantalum markers
- Reloadable delivery system
- Working length 700 mm,
 OTW (over the wire),
 Ø 8 mm/24 French
 Accepts guide wire 0.035 inch



aixstent® OEL

Esophageal Leakage Stent

To cover tracheo- or broncho-esophageal fistulas or in case of spontaneous or iatrogenic ruptures (such as Boerhaave syndrome), we offer 80, 100 and 120 mm stents with a diameter of 28 mm.

OEL stents have design features such as atraumatic ends and a strong radial force which helps to prevent migration.

OEL Esophageal Leakage Stents are pre-mounted on their reloadable delivery system. For correction of stent position, the stent can be repositioned into the delivery system during the procedure.

Strategically placed radiopaque tantalum markers make the stents clearly visible in fluoroscopy.

- Stent with complete silicone cover
- Atraumatic ends
- Extraction threads of high tensile strength on both ends
- High radial force due to Nitinol
- Radiopaque tantalum markers
- Reloadable delivery system
 Working length 700 mm, OTW
 Ø 8 mm/24 French
 Accepts guide wire 0.035 inch

aixstent® OEL — complete silicone cover					
REF Total length Cover length Ø Middle Ø End (mm) (mm) (mm)					
103-28-080	80	80	28	34	
103-28-100	100	100	28	34	
103-28-120 120 120 28 34					
Custom mad	le stents are ava	ailable. Please c	ontact us!		





aixstent® OSS

Esophageal Smart Stent

The self-expanding aixstent® OSS Esophageal Smart Stent is preloaded on a OTW delivery system with a diameter of only 4 mm/12 French . Especially in difficult passages and confined spaces this thin delivery system makes it easy to place even stents with a large volume.

Strategically placed radiopaque tantalum markers make the stents clearly visible in fluoroscopy. Additional radiopaque markers on the delivery system facilitate orientation and precise stent placement.

- Stent with partial silicone cover
- Atraumatic ends
- Extraction threads of high tensile strength on both ends
- High radial force due to Nitinol
- Radiopaque tantalum markers
- Delivery system, OTW
 Working length 650 mm
 Ø 4 mm/12 French
 Accepts guide wire 0.035 inch

aixstent® OSS — partial silicone cover				
REF	Total length (mm)	Cover length (mm)	Ø Middle (mm)	Ø End (mm)
112-20-060	60	40	20	26
112-20-080	80	60	20	26
112-20-100	100	80	20	26
112-24-060	60	40	24	30
112-24-080	80	60	24	30
112-24-100	100	80	24	30
Custom mag	le stents are ava	ailable. Please c	ontact us!	





aixstent® OUS

Esophageal Sphincter Stent

Elevated esophageal strictures located close to the pharyngeal transition require very precise stent placement. Release from proximal to distal and a special design of the ends offer the best adaption to these requirements.

The Esophageal Sphincter Stent OUS stent is preloaded on a delivery system for proximal release. For precise positioning the stent is released with a thread system from proximal to distal after pulling back the outer catheter.

Strategically placed radiopaque tantalum markers make the stents clearly visible in fluoroscopy.

- · Stent with complete PU (polyurethane) cover
- · Atraumatic ends
- Extraction threads of high tensile strength on both ends
- High radial force due to Nitinol
- Radiopaque tantalum markers
- Delivery system for proximal release, OTW Working length 700 mm
 Ø 8 mm/24 French Accepts 0.035 inch guide wire

aixstent® OUS — complete PU cover				
REF	Total length (mm)	Cover length (mm)	Ø Middle (mm)	Ø End (mm)
133-20-080	80	80	20	26
133-20-100	100	100	20	26
133-20-120	120	120	20	26
133-24-080	80	80	24	30
133-24-100	100	100	24	30
133-24-120	120	120	24	30
Custom mac	le stents are ava	ailable Please c	ontact us!	





aixstent® OEC

Cardia Umbrella Stent

Esophageal strictures close to the cardia require an adapted stent design. The distal end of the Cardia Umbrella Stent OEC is shaped like an umbrella, significantly reducing the risk of irritation of the gastric mucosa. The complete cover at the distal end avoids tumor ingrowth.

The Cardia Umbrella Stents are preloaded on a reloadable delivery system. For precise positioning, the stent can be repositioned into the delivery system during the procedure. Strategically placed radiopaque tantalum markers make the stents clearly visible in fluoroscopy.

- Stent with partial, or complete silicone cover
- Atraumatic ends
- Extraction thread of high tensile strength on proximal end
- High radial force due to Nitinol
- Radiopaque tantalum markers
- Reloadable delivery system, OTW Working length 700 mm
 Ø 8 mm/24 French Accepts 0.035 inch guide wire

aixstent® OEC — partial silicone cover					
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$					
122-24-100	100	85	24	30/50	
122-24-120 120 105 24 30/50					
Custom mad	Custom made stents are available. Please contact us!				

aixstent® OEC — complete silicone cover					
REF Total length Cover length Ø Middle Ø End (mm) (mm) (mm)					
123-24-100	100	100	24	30/50	
123-24-120 120 120 24 30/50					
Custom mad	Custom made stents are available. Please contact us!				





aixstent® DUS

Duodenum Stent

This self-expanding Nitinol stent bridges strictures in the duodenum and is preloaded on a TTS (through the scope) delivery system. The high guiding stability of the TTS delivery system ensures precise and reliable stent placement under endoscopic view and x-ray control.

Its high flexibility and the special stent design correspond perfectly to the anatomy of the duodenum, reducing the risk of stent migration.

- Stent without cover, or with partial silicone cover
- Atraumatic ends
- High radial force due to Nitinol
- Radiopaque tantalum markers
- Delivery system, TTS
 Working length 2.300 mm
 Ø 3.3 mm/10 French
 Accepts 0.035 inch guide wire

aixstent® DUS — without cover					
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$					
201-20-060	60	ohne	20	26	
201-20-080	80	ohne	20	26	
201-20-100 100 ohne 20 26					
Custom mad	Custom made stents are available. Please contact us!				

aixstent® DUS — partial silicone cover					
REF Total length Cover length Ø Middle Ø End (mm) (mm) (mm)					
202-20-060	60	40	20	26	
202-20-080 80 60 20 26					
Custom mad	Custom made stents are available. Please contact us!				





aixstent® BDS

Bile Duct Stent

This self-expanding Nitinol stent bridges benign and malignant stenoses in the bile ducts. The high guiding stability of the TTS delivery system ensures precise and reliable stent placement under endoscopic view and x-ray control. The aixstent® BDS is available without cover, with partial cover, or with complete silicone cover.

aixstent® BDS — without cover					
REF Total length Cover length Middle Middle (mm) (mm) (mm)					
301-10-040	40	ohne	10	10	
301-10-060	60	ohne	10	10	
301-10-080 80 ohne 10 10					
Custom mad	Custom made stents are available. Please contact us!				

aixstent® BDS — partial silicone cover					
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$					
302-10-040	40	30	10	10	
302-10-060	60	50	10	10	
302-10-080 80 70 10 10					
Custom mac	le stents are ava	ailable. Please c	ontact us!		

aixstent® BDS — complete silicone cover					
REF					
303-10-040	40	40	10	10	
303-10-060	60	60	10	10	
303-10-080 80 80 10 10					
Custom mad	le stents are ava	ailable Please c	ontact us!		



without cover



partial silicone cover



complete silicone cover

- Stent without cover, with partial cover, or with complete silicone cover
- Atraumatic ends
- High radial force due to Nitinol
- Radiopaque tantalum markers
- Delivery system, TTS
 Working length 1.800 mm
 Ø 2.8 mm/8.5 French
 Accepts 0.035 inch guide wire



aixstent® BDL

Bile Duct Stent, laser cut

This laser cut self expanding Nitinol stent bridges malignant stenoses in the bile ducts. The TTS (through the scope) delivery system is placed through the working channel of the endoscope. The delivery system is introduced into the biliary duct through the papilla and the stent is released under visual and x-ray control.

The laser cut design permits exact placement of the stent without shortening during the release process. The transparency of the braided delivery system and three tantalum markers at each end of the stent ensure precise and safe stent release under endoscopic view and x-ray control.

- Exact stent placement without shortening
- Defined high radial force in the central section, soft ends
- · Laser cut stent design
- · Stent without cover
- Radiopaque tantalum markers
- Delivery system, TTS
 Working length 1.800 mm
 Ø 2.8 mm/8.5 French
 Accepts 0.035 inch guide wire

aixstent® BDL — without cover					
REF	Total length (mm)	Cover length (mm)	Ø Middle (mm)	Ø End (mm)	
381-10-040	40	ohne	10	10	
381-10-060	60	ohne	10	10	
381-10-080	80	ohne	10	10	
381-10-100 100 ohne 10 10					
Custom mad	le stents are ava	ailable. Please c	ontact us!		



aixstent® BDP, BPL

Bile Duct Stent, percutaneous

In some special cases an approach to the ductus choledochus via the papilla is not possible. As a solution, the PTW delivery system was developed which allows percutaneous stent placement. Prior percutaneous cholangiography identifies position and dimension of the stenosis in the bile ducts.

The guiding stability of the delivery system ensures precise and reliable stent placement under x-ray control. The Bile Duct Stent BDP with its is available without cover, or with partial silicone cover.

aixstent® BDP — without cover					
REF	F Total length Cover length Ø Middle Ø End (mm) (mm) (mm) (mm)				
311-10-040	40	ohne	10	10	
311-10-060	60	ohne	10	10	
311-10-080 80 ohne 10 10					
Custom made stents are available. Please contact us!					

aixstent® BDP — partial silicone cover					
REF	REF Total length (mm) Cover length (mm) Middle (mm) End (mm)				
312-10-040	40	30	10	10	
312-10-060	60	50	10	10	
312-10-080 80 70 10 10					
Custom mad	Custom made stents are available. Please contact us!				

aixstent® BPL − laser cut, perkutan, without cover					
REF	F Total length (mm) Cover length (mm) (mm) (mm) (mm) (mm)				
391-10-040	40	ohne	10	10	
391-10-060	60	ohne	10	10	
391-10-080 80 ohne 10 10					
Custom mac	Custom made stents are available. Please contact us!				



BDP - without cover



BDP — partial silicone cover



BPL - without cover

- Stent without cover, or with partial silicone cover
- Woven stent design atraumatic ends
- Laser cut design Exact placement without shortening
- Laser cut design Defined high radial force in the central section, soft ends
- High radial force due to Nitinol
- Radiopaque tantalum markers
- Delivery system percutaneous, PTW Working length 500 mm
 Ø 2.8 mm/85 French Accepts 0.035 inch guide wire



aixstent® BDH

Bile Duct Stent, hilus, laser cut

Preloaded on a 5 French TTS (through the scope) delivery system it is possible to place two stents simultaneously and parallel through the working channel of the endoscope. The delivery systems are introduced into the duct system through the papilla and the stents are released under visual and x-ray control. The braided delivery system ensures precise and safe stent release under x-ray control.

- Defined high radial force in the central section, soft ends
- Laser cut stent design for exact placement without shortening
- Stent without cover
- Radiopaque tantalum markers
- Delivery system, TTS
 Working length 1.800 mm
 Ø 1.67 mm/5 French
 Accepts guide wire 0.021 inch

aixstent® BDH — without cover					
REF Total length (mm) Cover length (mm) Ø Middle (mm) Ø End (mm)					
321-08-080	80	ohne	8	8	
321-08-100	100	ohne	8	8	
321-08-120 120 ohne 8 8					
Custom mad	Custom made stents are available. Please contact us!				





- exact placement, without shortening
- 5 French delivery system: two delivery systems can be placed simultaneously



aixstent® PPS

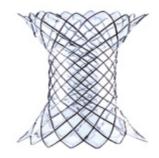
Pancreas Pseudocyst Stent

The new Pancreas Pseudocyst Stent PPS is specially designed for drainage of pseudocysts into the stomach.

The Diabolo-design of the stent effectively avoids migration.

The Diabolo-design of the stent effectively avoids migration into the stomach or into the pseudocyst.

The stent is preloaded on a 10 French TTS delivery system and is placed through the working channel of the endoscope. Three radiopaque tantalum markers at each end of the Pancreas Pseudocyst Stent ensure excellent identification under x-ray control.



- Stent with complete silicone cover
- Diabolo-design for atraumatic ends
- High radial force due to Nitinol
- Radiopaque tantalum markers
- Delivery system, TTS
 Working length 2.300 mm
 Ø 3.3 mm/10 French
 Accepts 0.035 inch guide wire

aixstent®	aixstent® PPS — complete silicone cover				
REF	Total length Cover length Ø Middle Ø End (mm) (mm) (mm)				
333-10-030	30	30	10	25	
333-15-030 30 30 15 25					
Custom mad	Custom made stents are available. Please contact us!				



aixstent® CRS

Colon Rectum Stent

Colon Rectum Stents CRS bridge strictures in the colon and the rectum. They are preloaded on an OTW (over the wire) delivery system.

The special stents design corresponds perfectly to the anatomy of the colon and rectum, reducing the risk of stent migration.

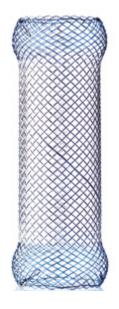
The Colon Rectum Stents CRS are preloaded on a delivery system. For precise positioning, the stents can be repositioned into the delivery system during the procedure. Strategically placed radiopaque tantalum markers make the stents clearly visible in fluoroscopy.



- Stent without cover, or with partial silicone cover
- Atraumatic ends
- Extraction threads of high tensile strength on both ends High radial force due to Nitinol
- Radiopaque tantalum markers
- Delivery system (repositionable), OTW Working length 1.100 mm
 Ø 8 mm/24 French Accepts 0.035 inch guide wire

aixstent® CRS — without cover					
REF	REF Total length (mm) Cover length (mm) (mm) (mm) (mm) (mm)				
401-30-080	80	ohne	30	36	
401-30-100 100 ohne 30 36					
Custom mag	Custom made stents are available. Please contact us!				

aixstent® CRS — partial silicone cover					
REF	REF Total length Cover length Middle (mm) (mm) (mm) (mm)				
402-30-080	80	50	30	36	
402-30-100 100 70 30 36					
Custom made stents are available. Please contact us!					





aixstent® CRA

Colon Rectum Anastomosis Stent

The self-expanding Nitinol Colon Rectum Anastomosis Stents CRA for dilatation of anastomotic strictures are preloaded on an OTW (over the wire) delivery system.

The specially adapted shape of the stents corresponds perfectly to the anatomy of the colon and rectum which reduces the risk of stent migration.

The colon rectum stents are preloaded on a delivery system. For precise positioning, the stents can be repositioned into the delivery system during the procedure. Strategically placed radiopaque tantalum markers make the stents clearly visible in fluoroscopy.



- Stent with complete silicone cover
- Atraumatic ends
- Extraction threads of high tensile strength on both ends
- · High radial force due to Nitinol
- Radiopaque tantalum markers
- Reloadable delivery system, OTW Working length 1.100 mm
 Ø 8 mm/24 French Accepts 0.035 inch guide wire

aix stent®	aixstent® CRA — complete silicone cover				
REF	Total length Cover length Ø Middle Ø End (mm) (mm) (mm)				
403-20-060	60	60	20	26	
403-30-060	60	60	30	36	
Custom made stents are available. Please contact us!					



aixstent® CRE

Colon Rectum Stent, intestinall

The self-expanding Nitinol Colon Rectum Stent CRE bridges malignant stenoses in the colon.

- Stent without cover
- Radiopaque tantalum markers
- Woven stent design
- Atraumatic, rounded ends
- Delivery system, TTS
 Working length 2.300 mm
 Ø 3.3 mm/10 French
 Accepts 0.035 inch guide wire

aixstent® CRE — without cover				
REF	Total length (mm)	Cover length (mm)	Ø Middle (mm)	Ø End (mm)
411-25-080	80	ohne	25	30
411-25-100 100 ohne 25 30				
Custom made stents are available. Please contact us!				





aixstent® CSS

Colon Rectum Smart Stent

The self-expanding aixstent® CSS Colon-Rectum-Smart-Stent is preloaded on an OTW delivery system with a diameter of only 4 mm/12 French. Especially in difficult passages and confined spaces this thin delivery system facilitates placing even stents with large volume.

Strategically placed radiopaque tantalum markers make the stents clearly visible in fluoroscopy. Additional radiopaque markers on the delivery system facilitate orientation and precise stent placement.

- Stent without or with partial silicone cover
- Atraumatic ends
- Extraction threads of high tensile strength on both ends High radial force due to Nitinol
- Radiopaque tantalum markers
- Delivery system, OTW
 Working length 1.300 mm
 Ø 4 mm/12 French
 Accepts 0.035 inch guide wire

aixstent® CSS — partial silicone cover				
REF	Total length (mm)	Cover length (mm)	Ø Middle (mm)	Ø End (mm)
412-25-080	80	60	25	30
412-25-100	100	80	25	30
Custom mad	Custom made stents are available. Please contact us!			

aixstent® CSS — without cover					
REF	Total length (mm)	Cover length (mm)	Ø Middle (mm)	Ø End (mm)	
421-25-080	80	ohne	25	30	
421-25-100	100	ohne	25	30	
Custom mad	le stents are ava	ailable. Please c	ontact us!		





aixstent® GWG

Guide Wire

aixstent® GWG guide wires are used during placement of gastrointestinal stents. Moreover, they can be used with other instruments accepting a guide wire.

The PTFE coating of the guide wires significantly reduces friction resistance. Their high stability is achieved by an inner core made of a Nitinol monofilament. The distal wire tip forms a flexible, atraumatic coil, characterized by excellent radiopacity.

The aixstent® GWG guide wires are preloaded in a spiral dispenser. The gliding properties of the guide wire can be further improved significantly by flushing the dispenser with sterile saline solution, covering the guide wire with liquid.

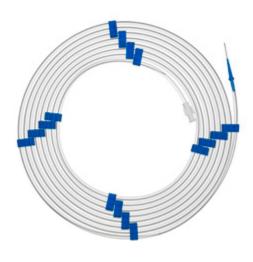
The black 0.021 inch guide wire (4000 mm long) is used with the 5 French delivery systems for placement of the hilus stents.

The black-and-green guide wire (4600 mm long) has a comparatively small diameter of only 0.025 inch and yet provides a high guidance stability.

The black-and-yellow guide wire (4000 mm long) is fitted with 18 additional x-ray markers made of gold and is used for length determination inside endoscopically accessible lumen.

The black guide wire (2600 mm long) is intended for use during placement of Esophageal stents and has a PU-coating.

The black-and-yellow guide wire (4600 mm long/0.035 inch) is considered the standard.



- Kink free and stable Nitinol core
- Very good gliding properties due to PTFE-coating
- · Highly flexible, radiopaque tip
- Individually sealed in a sterile peelpack
- Supplied in a dispenser with insertion aid

aix stent®	GWG — GuideWi	re						
REF (Characteristics	Ø	Length	Radiopaque	Additional markers	Coating		Unit
IXLI	Character istics	(inch)	(mm)	tip	made of gold	Wire	Tip	(pce)
901-21-400	black	0.021	4000	✓	_	PTFE	PTFE	
902-25-460	black-and-green	0.025	4600	✓	_	PTFE	PU	
902-35-460	black-and-yellow	0.035	4600	✓	_	PTFE	PU	1
903-35-400	black-and-yellow	0.035	4000	✓	18	PTFE	PTFE	
904-35-260	black	0.035	2600	✓	_	_	PU	







bess pro gmbh — Berlin, Germany



Please note that only the instructions for use enclosed with the respective product apply. Details in this catalog about the use of products serve as a guide only and reflect the information available at the time of print. If necessary, please request a current version!



The instructions for use for some of our products are available only in electronic form (in pdf format) on our website.

Please see the product label for the required access information.



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