

KEY FEATURES	PRODUCT NO.
<p>CS STANDARD</p> <ul style="list-style-type: none"> - Precision engineered for maximum reliability and consistency using the highest quality Japanese steel cutting blade. - Unique staple housing and circumferentially mounted blade design providing improved cutting performance, maximized internal lumen size and high quality 'donuts'. <p>CS COMPACT™</p> <ul style="list-style-type: none"> - 34.5mm working length / 100mm straight working length - Unique, patent pending, EA docking integrity indicators for added safety - A major step forward in stapling ergonomics <p>ENDOSTEER™</p> <ul style="list-style-type: none"> - Improved gas sealing for maintenance of pneumoperitoneum. <p>CS FLIP™</p> <ul style="list-style-type: none"> - Reverse curvature of circular stapler curving down whilst compression window is on top... fully visible to operator. <p>CONETIP™</p> <ul style="list-style-type: none"> - For Esophageal anastomosis the CS is available with a dilating CONICAL tip to assist with anvil placement and insertion. 	<p>CS STANDARD CS21, CS25, CS28, CS32</p> <p>CS COMPACT™ CS21CT, CS25CT, CS28CT, CS32CT</p> <p>EA EXTENDED ANVIL SHAFT CS21CT/EA, CS25CT/EA, CS28CT/EA, CS32CT/EA</p> <p>ENDOSTEER™ EXTENDED LENGTH CS21L, CS25L, CS28L, CS32L</p> <p>CS FLIP™ CS21F, CS25F, CS28F, CS32F</p> <p>CONE TIP CS21C, CS25C, CS28C, CS32C</p>
<ul style="list-style-type: none"> - 32 staples (4 more than competitor products) to improve hemostasis. - Unique staple housing design increasing housing volume and tissue capacity. - Extended and improved anvil shaft for firing stability and improved access. - All models now feature 4 suture thread conduits. 	<p>CPH32, CPH34 [AVAILABLE IN TWO SIZES, 32MM AND 34MM]</p>
<ul style="list-style-type: none"> - Larger opening (20mm) and improved parallel jaw position at firing to improve staple integrity. - Middle 'inter-lock' position. - Manual or automatic tissue locating pin. <p>TRANSCUT™</p> <ul style="list-style-type: none"> - Lower profile head design, 22% thinner and narrower than any other cutting linear stapler of on the market today allowing deeper penetration in pelvic space. - 40 mm length straight cutting cartridge in blue or green staple leg lengths - Longer 430mm working length. 	<p>LINEAR STAPLER LS30, LS45, LS60, LS90 [AVAILABLE WITH WHITE, BLUE AND GREEN RELOADS]</p> <p>TRANSVERSE LINEAR CUTTING STAPLER TCL540 [AVAILABLE WITH EITHER BLUE OR GREEN RELOADS]</p>
<ul style="list-style-type: none"> - Improved ergonomics, anti-slip plastics, and ridging on handles, 'single handed' mounting positions and improved 'push' mechanisms. - Cam mechanism to ensure staple integrity along entire firing length. - Improved reload design to help prevent 'concertina effect' when mounting tissue. 	<p>LC60, LC80, LC100 [AVAILABLE WITH EITHER BLUE OR GREEN RELOADS]</p>

MANUFACTURED TO THE HIGHEST INTERNATIONAL STANDARDS.

When you put health first, you test everything as strenuously as possible. You test it yourself and have others test it for you. You ask questions, you go back if necessary, you incorporate what you've learned into the manufacturing process.



INFORMED DESIGN.
SCRUPULOUSLY APPLIED.
METICULOUSLY PRODUCED.

CHEX™ SURGICAL STAPLERS
PRODUCT RANGE

CHEX
SURGICAL STAPLERS

INFORMED DESIGN.
SCRUPULOUSLY APPLIED.
METICULOUSLY PRODUCED.

CHEX
SURGICAL STAPLERS



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THE CHEX™ RANGE OF SURGICAL STAPLERS IS EXPANDING TO MEET THE DEMANDS OF MODERN SURGERY

PRODUCT	DESCRIPTION	
CHEX CS RANGE OF CIRCULAR STAPLERS	The CheX™ CS range of Circular Staplers has established a reputation for reliability and excellence in engineering.	
CS COMPACT™ NEW FOR 2010	Radically improved feel and control in rectal anastomosis. The LA, Ende Avail range of products makes, for the first time, extracorporeal docking possible.	
ENDOSTEER™ EXTENDED LENGTH	At 520mm long, and featuring improved gas sealing, the ENDOSTEER™ is the first choice for laparoscopic procedures.	
CS FLIP™	A unique circular stapler range that turns circular stapler design upside down... literally. Designed to allow surgeon to safely visualise the compression window no matter how the device is orientated.	
CONETIP™	With a special CONICAL tip design the CheX™ ConeTip™ has been developed at the request of leading surgeons to assist in Esophageal procedures. ConeTip™ is currently available on special order.	
SINGLE USE CIRCULAR STAPLER FOR RECTAL PROLAPSE AND HEMORRHOIDS	CPI range continues to out perform all competitors. Its technological advantages and improved hemostasis have advanced the safety and efficiency of the 'Longo' technique in Stapled Hemorrhoidopexy.	
SINGLE USE RELOADABLE LINEAR STAPLERS	The CheX™ Linear Stapler range is noted for its reliability and staple consistency. The 2010 range has been complemented by the addition of the L590. Design and ergonomics have all been updated.	
TRANSCUT™ TRANSVERSE CUTTING LINEAR STAPLER	The first product in a new range of Transverse Cutting Linear Staplers and designed that offers unique, lower profile, linear stapling and cutting in a straight line.	
SINGLE USE RELOADABLE LINEAR CUTTER STAPLER	The all new LC range of Linear Cutter Staplers has been redesigned to meet the demands of modern surgery.	

OUR COMMITMENT TO YOU

When you put patients' health first remarkable things follow. Like high quality design.

And since you are putting health first, you test that design as strenuously as possible.

You test it yourself and have others test it, and then go back if necessary, to incorporate what you've learned into the manufacturing process. You devote all your energies to product quality and end-user cost reduction.

And since CHEX is not so much in the business of making instruments as it is in making surgeries more successful, the process doesn't end here.

You listen to doctors who've put your instruments to use.

You read their reports.

You invite them to think with you, to brainstorm.

For us, continual improvement is not a buzzword but a practice.

Put simply, in this business you have two choices. You can put the manufacturing process in front of the patient. Or the patient in front of the manufacturing process.

We choose the latter.



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State-of-the-art manufacturing facilities.



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TRANSCUT™ SINGLE USE TRANSVERSE CUTTING LINEAR STAPLER



THE FIRST IN A FAMILY OF STRAIGHT TRANSVERSE CUTTING LINEAR STAPLERS PROVIDING IMPROVED ACCESS AND PERFORMANCE.

BLADE SHOWN EXPOSED FOR ILLUSTRATIVE PURPOSES ONLY



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SINGLE USE CURVED INTRALUMINAL CIRCULAR STAPLER



CPH34HV



CS COMPACT™



SINGLE USE RELOADABLE LINEAR CUTTER STAPLER



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CHEX
SURGICAL STAPLERS

SINGLE USE TRANSVERSE CUTTING LINEAR STAPLER

The Chex TCLS 40 range of straight, transverse cutting, linear staplers represents a major step forward in presenting a device that provides sure and safe tissue stapling and cutting in areas where access is restricted.

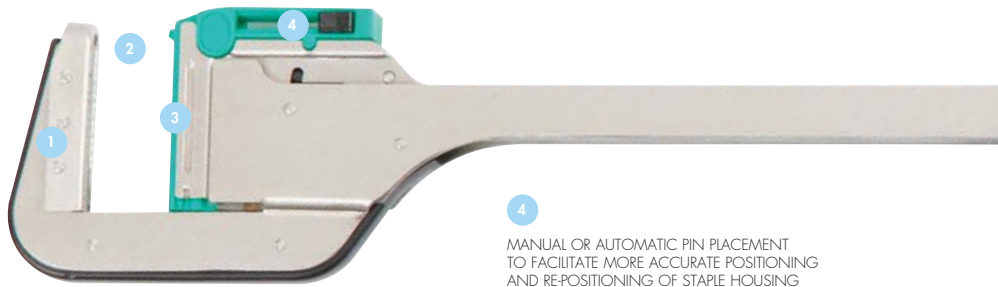
TCLS 40B and 40G represent the first in a family of Transverse Linear Cutting Staplers.

FEATURES AND BENEFITS

- Slim 9mm head assembly assisting with access and manoeuvrability during procedures
- Wider jaw opening in both intermediate and fully open positions - 1.5mm and .5mm respectively when compared to conventional curved devices
- Anti-slip design of firing handle giving improved firing ergonomics
- Middle interlock position with single handed jaw release control facilitating easy intra-operative repositioning
- Manual or automatic tissue retaining pin mechanism
- Audible indicator of intermediate locking position prior to clamping and firing
- Cartridge safety interlock device preventing firing of pre-fired empty cartridge

TRANSCUT™
ACTUAL SIZE

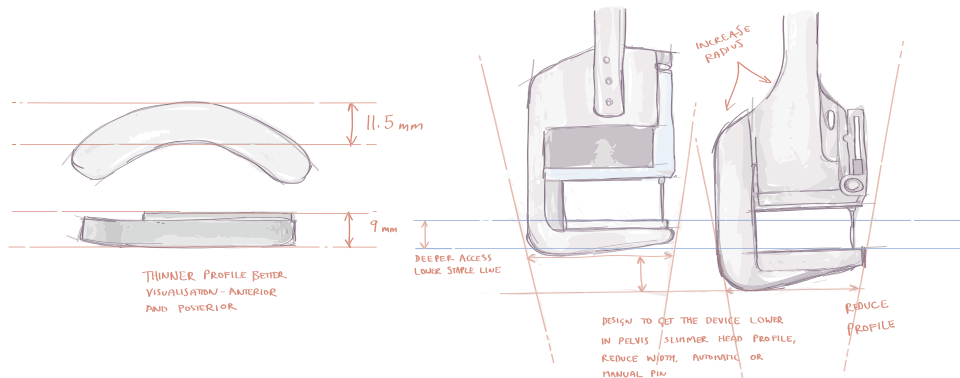
SIDE VIEW



4 MANUAL OR AUTOMATIC PIN PLACEMENT TO FACILITATE MORE ACCURATE POSITIONING AND RE-POSITIONING OF STAPLE HOUSING

KEY FEATURES

- 1 NARROWER AND THINNER HEAD ASSEMBLY TO FACILITATE BETTER ACCESS AND VISUALIZATION ON ANTERIOR AND POSTERIOR ASPECTS OF BOWEL
- 2 WIDE JAW OPENING ALLOWING EASIER POSITIONING OF TISSUE
- 3 9MM WIDTH CARTRIDGE HOUSING 4 STAPLE LINES AND CUTTING BLADE



5 MANUAL RELEASE BUTTON FACILITATING SINGLE HANDED OPERATION

6 CURVED TIP TO FIRING HANDLE TO PREVENT SLIPPING DURING FIRING

7 AUDIBLE INDICATOR OF INTERMEDIATE LOCKING POSITION PRIOR TO CLAMPING AND FIRING

PRODUCT SPECIFICATIONS

MODEL	COLOUR CODE	STAPLE ROW	STAPLE QUANTITY	STAPLE THICKNESS (MM)	STAPLE CROWN (MM)	STAPLE LEG LENGTH (MM)	STAPLE LINE LENGTH (MM)
TCLS 40G	GREEN	4	38	2.0	3.0	4.5	39
TCLS 40B	BLUE	4	38	1.5	3.0	3.8	39

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State-of-the-art manufacturing facilities.



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SINGLE USE RELOADABLE LINEAR STAPLER

SINGLE USE CURVED INTRALUMINAL CIRCULAR STAPLER

CS COMPACT™

SINGLE USE RELOADABLE LINEAR CUTTER STAPLER

SINGLE USE TRANSVERSE CUTTING LINEAR STAPLER



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"UNRIVALED VISUALIZATION -
A NEW PERSPECTIVE ON THE PROCEDURE"

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HIGH VOLUME STAPLED
HAEMORRHOIDOPEXY
with the CPH34 HV

(PATENT PENDING)

CHEX
SURGICAL STAPLERS

CPH34HV - THE FIRST AND ONLY DEVICE DESIGNED FOR STAPLED HAEMORRHOIDAL PROLAPSECTOMY

In surgical treatment of haemorrhoidal disease, and especially when combined with ODS, a key surgical objective is the correction of internal rectal prolapse.

Until the introduction of the Chex™ CPH range from Frankenman International Ltd staplers used in the treatment of haemorrhoids had evolved from conventional surgical staplers, designed for conventional surgical anastomosis making their use in the treatment of associated haemorrhoidal prolapse less than ideal.

The Chex™ CPH34HV is the first device specifically designed to maximise the volume of the staple housing whilst maintaining the essential design characteristics of, what has been proven scientifically and in clinical use, to be the most effective device in use today for Stapled haemorrhoidopexy.

The Chex™ CPH34HV a remarkable step forward in the treatment of haemorrhoids, ODS and associated Rectal Prolapse.

FEATURES AND BENEFITS

- The Chex™ CPH34HV remarkable transparent housing gives the surgeon a new perspective on the procedure that was not possible until now
- Lowered tissue stop to facilitate 'pull through' of tissue into housing
- The largest volume staple housing on the market today allowing the resection of more tissue when clinically required



SIDE VIEW – ACTUAL SIZE

KEY FEATURES & SPECIFICATIONS

- 1** STAINLESS STEEL ANVIL SHAFT TO MAXIMIZE STABILITY DURING FIRING AND CLAMPING
- 2** HIGH VOLUME HOUSING
- 3** TRANSPARENT STAPLE HOUSING AND STAPLE PUSHERS GIVING MAXIMUM VISUAL FEEDBACK
- 4** 4 SUTURE CONDUITS ALLOWING BETTER ACCESS AND ADDITIONAL OPTIONS IN TISSUE MANIPULATION

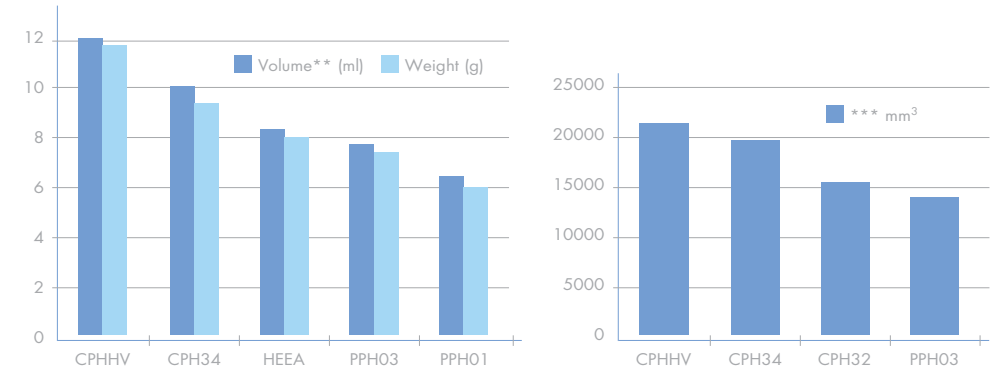


- 5** 0.75mm TISSUE GAP WHEN CLOSED GIVING OPTIMUM MUCOSAL COMPRESSION TO MAXIMIZE HEMOSTASIS
- 6** 32 CIRCUMFENTIONALLY MOUNTED TITANIUM STAPLES OPTIMIZING HEMOSTASIS AND ANASTOMOSIS
- 7** CIRCUMFERENTIALLY MOUNTED BLADE ASSEMBLY PUSHING 'RAZOR SHARP' STEEL CUTTING BLADE, PLUS ROUNDED EDGES TO INTERNAL HOUSING

PRODUCT CODE	CARTRIDGE COLOUR	STAPLE ROWS	OUTSIDE DIAMETER	CUTTING DIAMETER	STAPLE LEG LENGTH	STAPLE CROWN LENGTH	STAPLE COUNT	CLOSED STAPLE HEIGHT
CPH34HV	GREEN WITHIN TRANSPARENT HOUSING	2	34.5mm	26mm	4.2mm	3.8mm	32	0.75mm – 1.5mm

HIGHEST VOLUME HOUSING

The highest Volume of tissue resected in comparison market leading products when measure in Weight (g), Volume (ml) and cubic millimetres.



Technological Improvements in the Treatment of Hemorrhoids and Obstructed Defecation Syndrome. Experimental Study, Giuliano Reboa, Marco Gipponi*, Tommaso Testa* and Francesca Lantieri **; *U.O.C. General Surgery, Colo-Rectal Unit - San Martino Hospital, Genoa - Italy; **Health Science Dept, Biostatistic Unit - University of Genoa, School of Medicine. In Vivo January 2011 25:129-135

SET CONTAINS: CIRCULAR STAPLER FOR PROLAPSE AND HAEMORRHOIDS(CPH), SUTURE THREADER, ANAL DILATORS (STANDARD AND "BUTTERFLY"), ANAL DILATOR INNER LINING AND PURSE STRING SUTURE ANOSCOPE

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REMARKABLE THINGS FOLLOW

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State-of-the-art manufacturing facilities.



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METICULOUSLY PRODUCED.



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CS COMPACT[™] EA SHORT STRAIGHT CIRCULAR STAPLER

DESIGNED FOR EXTRA-CORPOREAL OR
ENDO-ANAL ANASTOMOSIS

CHEX[™] 
SURGICAL STAPLERS

THE CS COMPACT[™] EA RANGE OF PRODUCTS WAS
DEVELOPED IN COLLABORATION WITH QUEEN MARY,
UNIVERSITY LONDON.



OUR RANGE OF PRODUCTS INCLUDE

SINGLE USE CIRCULAR
STAPLER FOR RECTAL
PROLAPSE AND
HAEMORRHOIDS

SINGLE USE
RELOADABLE LINEAR
STAPLER

SINGLE USE CURVED
INTRALUMINAL
CIRCULAR STAPLER

CPH04HV

SINGLE USE
RELOADABLE LINEAR
CUTTER STAPLER

SINGLE USE
TRANSVERSE CUTTING
LINEAR STAPLER



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A RANGE OF CIRCULAR STAPLERS FOCUSED ON MAKING RECTAL ANASTOMOSIS EASIER

The Chex CS COMPACT™ range was developed in collaboration with one of the world's leading Specialist centres in Colon and Rectal Surgery. The resultant range of circular staplers creates devices that make anastomosis of the rectum easier.

The surgeons wanted more control of the surgical stapler, they wanted a more stable device, particularly when firing. They wanted more 'feel' and felt that simply shortening the working length of a conventional straight circular stapler would give him that control... we responded and they were right.

The CS COMPACT™ is a SHORT-STRAIGHT Circular Stapler 345mm long, that in many Low and especially Ultra-Low Anterior resections will feel right for you.

We listened.

KEY FEATURES

1 OVERALL WORKING LENGTH REDUCED TO 345MM.

2 AVAILABLE IN TWO CONFIGURATIONS... CS COMPACT™ AND CS COMPACT™ EA. ALSO AVAILABLE IN STANDARD "CS" CONFIGURATION

3 EA ANVIL SHAFT. THE RADICAL NEW AND LENGTHENED DESIGN OF THE ANVIL SHAFT NOT ONLY GIVES AN AUDIBLE BUT ALSO A VISUAL INDICATOR TO CONFIRM COMPLETE.

4 SMOOTH AND ROUNDED ANVIL DESIGN TO ASSIST IN DEVICE EXTRACTION

5 SMOOTH ERGONOMIC AND ATRAUMATIC INSERTION TUBE.

6 STAPLE COMPRESSION GAUGE TO ENSURE ACCURATE STAPLE FORMATION TO SUIT VARIABLE TISSUE THICKNESSES.

7 "WING NUT" TO ASSIST CONTROL AND DEXTERITY WHEN OPENING AND CLOSING ANVIL.

SIDE VIEW

FEATURES AND BENEFITS

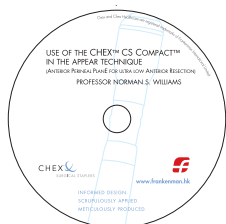
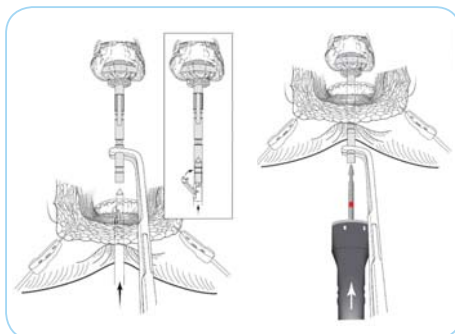
- Short-Straight shaft.
- Assists in accurate positioning of the stapler within the rectum and eliminates potential pressure points created by curved configuration.
- Alignment of rectum, shaft and firing mechanisms reduces potential for distal end movement during firing.
- Ideally suited for Ultra-low sphincter saving techniques where control and feel are most critical such as APPEAR*.

*Ann Surg 2008; 247: 750-758 Anterior Perineal Plane for Ultra-low Anterior Resection of the Rectum (The APPEAR Technique) Norman S. Williams, MS, FRCS (Eng.) et al.

THE CHEX™ CS COMPACT™ EA CHEX™ SURGICAL STAPLERS ENDO-ANAL ANASTOMOSIS

ENDO-ANAL, or extra-corporeal anastomosis, is a technique created by Professor Norman Williams to facilitate ultra-low anastomosis during the APPEAR technique*.

A high quality procedural DVD is available detailing this remarkable sphincter saving procedure – contact info@frankenman.hk, or your local Frankenman/Chex distributor, for your free copy.



PRODUCT SPECIFICATIONS

MODEL	DESCRIPTION	TOTAL WORKING LENGTH	COLOUR CODE	SIZE OF STAPLE	OUTER DIAMETER	CUTTING DIAMETER	STAPLE QUANTITY
CS21CT/EA	CS COMPACT™ EA CIRCULAR STAPLER 21MM DIAMETER.	345MM	ORANGE	3.8MM 4.2MM	21MM	13MM	16
CS25CT/EA	CS COMPACT™ EA CIRCULAR STAPLER 25MM DIAMETER.	345MM	WHITE	4MM 5MM	25MM	17MM	20
CS28CT/EA	CS COMPACT™ EA CIRCULAR STAPLER 28MM DIAMETER.	345MM	BLUE	4MM 5MM	28MM	20MM	24
CS32CT/EA	CS COMPACT™ EA CIRCULAR STAPLER 32MM DIAMETER.	345MM	GREEN	4MM 5MM	32MM	24MM	28

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CIRCULAR STAPLER

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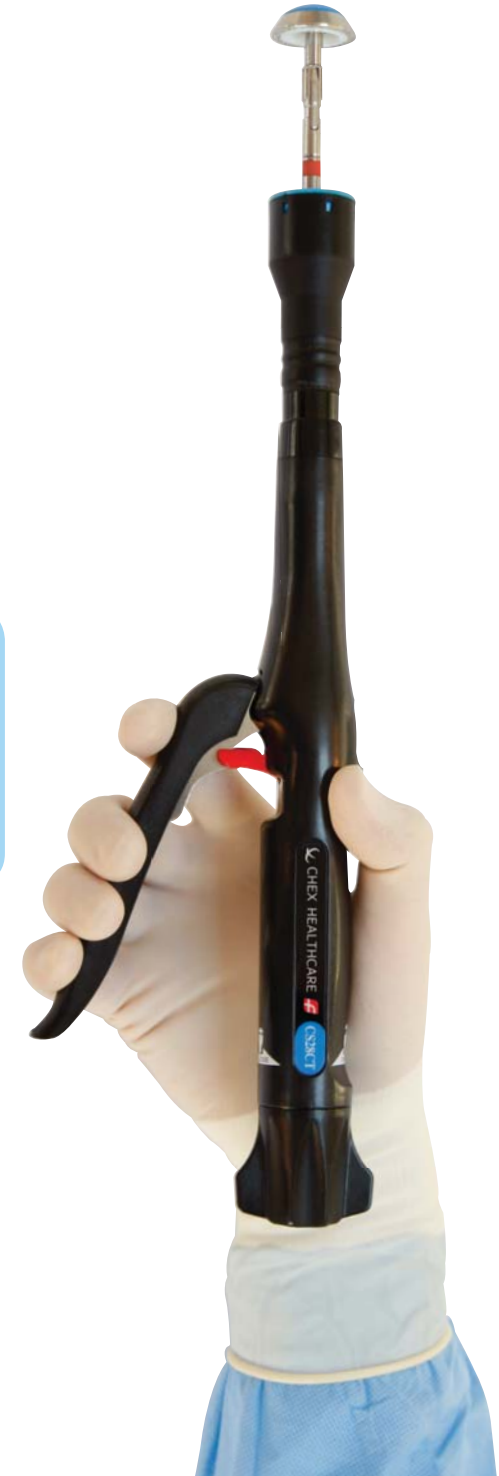
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THE CHEX™ CS COMPACT™
CIRCULAR STAPLER
ACTUAL SIZE

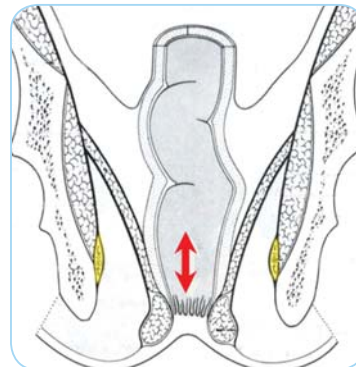
SIDE VIEW

THE CS COMPACT™

DESIGNED FOR RECTAL ANASTOMOSIS BUT FINDING APPLICATIONS WHERE CONTROL, STABILITY AND ACCESS ARE CRITICAL.

Features and Benefits:

- Short-Straight shaft.
- Assists in accurate positioning of the stapler within the rectum and eliminates potential pressure points created by curved configuration.
- Alignment of rectum, shaft and firing mechanisms reduces potential for distal end movement during firing.
- Ideally suited for Ultra-low sphincter saving techniques where control and feel are most critical such as APPEAR.



- WHEN YOU LISTEN TO SURGEONS REMARKABLE THINGS HAPPEN
- WHEN YOU ARE PREPARED TO MAKE EVEN THE SMALLEST OF MODIFICATION BECAUSE A SURGEON BELIEVES IT WILL HELP THEIR PATIENT REMARKABLE PRODUCTS HAPPEN
- THE NEW CS COMPACT™ WAS CREATED AS A RESULT OF THAT CARE – OUR CUSTOMERS AND OURS – TO PATIENTS HEALTH
- CONTROL AND FEEL

PRODUCT SPECIFICATIONS

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CS25CT	CS COMPACT™ CIRCULAR STAPLER 25MM DIAMETER. STANDARD ANVIL	345MM	WHITE	4MM 5MM	25MM	17MM	20
CS28CT	CS COMPACT™ CIRCULAR STAPLER 28MM DIAMETER. STANDARD ANVIL	345MM	BLUE	4MM 5MM	28MM	20MM	24
CS32CT	CS COMPACT™ CIRCULAR STAPLER 32MM DIAMETER. STANDARD ANVIL	345MM	GREEN	4MM 5MM	32MM	24MM	28

* Ann Surg 2008; 247: 750-758 Anterior Perineal Plane for Ultra-low Anterior Resection of the Rectum (The APPEAR Technique) Norman S. William, MS, FRCS (Eng.) et al.

WHEN YOU PUT PATIENTS' HEALTH FIRST,
REMARKABLE THINGS FOLLOW



State-of-the-art manufacturing facilities.



CHEX
SURGICAL STAPLERS

INFORMED DESIGN.
SCRUPULOUSLY APPLIED.
METICULOUSLY PRODUCED.

OUR RANGE OF PRODUCTS INCLUDE

SINGLE USE CIRCULAR STAPLER FOR RECTAL PROLAPSE AND HAEMORRHOIDS	SINGLE USE RELOADABLE LINEAR STAPLER	SINGLE USE CURVED INTRALUMINAL CIRCULAR STAPLER	CPH34HV	CS COMPACT™	SINGLE USE TRANSVERSE CUTTING LINEAR STAPLER

FOR MORE INFORMATION OR TO VIEW OUR ENTIRE PRODUCT RANGE PLEASE VISIT OUR WEBSITE AT WWW.FRANKENMAN.HK



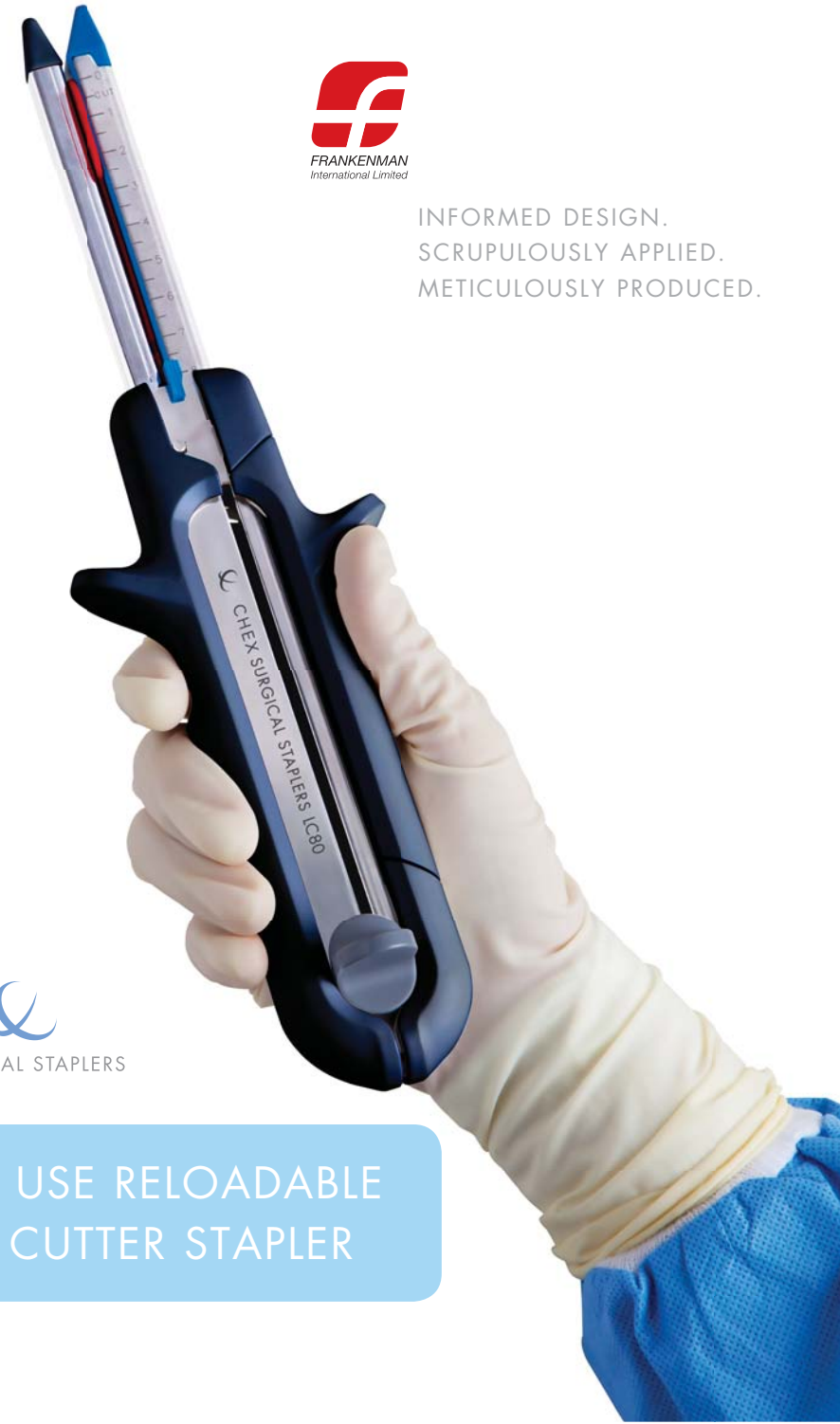
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CHEX
SURGICAL STAPLERS

SINGLE USE RELOADABLE
LINEAR CUTTER STAPLER

A RANGE OF PRODUCTS TO MEET THE NEEDS OF MODERN SURGICAL PRACTICE

The Chex™ range of Linear Cutter Staplers focuses on reliability and functionality. Designed to provide accurate and reliable staple formation and tissue resection... time and time again.

At Frankenman, we believe we're not so much in the business of making instruments, but in the business of making surgeries more successful.

That's why we listen to doctors who've put our instruments to use. We read their reports. We invite them to think with us, to brainstorm, to help us develop new and innovative ideas.

That way we know we will be able to deliver the highest quality products to the medical profession both today and way into the future.

THE CHEX™ LC RANGE - KEY FEATURES



SIDE VIEW – ACTUAL SIZE



1
TISSUE RETAINING PIN

2
CLEAR GRADUATIONS AND INDICATION OF 'CUTTING ZONE' ON BOTH SIDES OF STAPLE HOUSING

3
ALL RE-LOADABLE CARTRIDGES HAVE SAFETY LOCK TO PREVENT FIRING OVER EMPTY CARTRIDGE

6
MODERN ERGONOMIC DESIGN DEVELOPED WITH INTERNATIONALLY RENOWNED BRITISH INDUSTRIAL DESIGNERS

7
UNIQUE FIRING 'SAFETY LOCK' TO PREVENT INADVERTENT PRE-FIRING DURING PREPARATION AND POSITIONING



4
UNIQUE 90 DEGREE RELOAD 'SHOULDER' TO ACT AS A POSITIVE TISSUE LIMITER TO AVOID CONCERTINA EFFECT OVER RELOAD AND RISK OF PRE-CUT INTERNALLY



5
CARTRIDGE REMOVAL MADE EASIER. INDENTATION TO EXPOSE CARTRIDGE "LEGS" FACILITATES EASY REMOVAL WHEN CARTRIDGE IS WEDGED BY TISSUE OR FLUID BUILD UP

PRODUCT SPECIFICATIONS

PRODUCT CODE				CLOSED STAPLE SIZE	STAPLING LINE LENGTH	STAPLE QUANTITY
LINEAR CUTTER STAPLER	CARTRIDGE	RELOADS	RELOADS			
LC60G	GREEN	LCR60G	GREEN	2.0MM	61MM	60
LC60B	BLUE	LCR60B	BLUE	1.5MM	61MM	60
LC80G	GREEN	LCR80G	GREEN	2.0MM	81MM	80
LC80B	BLUE	LCR80B	BLUE	1.5MM	81MM	80
LC100G	GREEN	LCR100G	GREEN	2.0MM	100MM	100
LC100B	BLUE	LCR100B	BLUE	1.5MM	100MM	100

KEY FEATURES

- CAM GEAR DESIGN: ENSURES CONSISTENT STAPLE FORMATION HELPING PREVENT BLEEDING.
- EMPTY CARTRIDGE SAFETY LOCK: CUTTING BLADE WILL ONLY ACTIVATE WITH FULL CARTRIDGE.
- RELOADABLE COLOUR CODED CARTRIDGES.

A RANGE OF PRODUCTS THAT FACILITATE MORE EFFECTIVE SURGERY



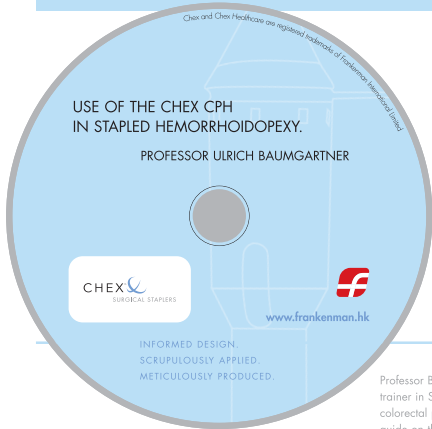
A commitment to the highest quality and an ability to exceed international standards is what makes Frankenman and our Chex range of products stand out. We put health first. This manifests itself in our total dedication to a zero defect outcome. Our manufacturing, production, research and development, and customer service facilities are the envy of the international medical device sector.

We source and use only the highest quality materials and components from around the world. This means that not only do we adhere to internationally recognized measures of quality, such as CE and ISO 13485 certification, we regularly exceed them. Our commitment to the ongoing training and development

of our staff is second to none and our design capabilities are of the highest standards throughout the industry culminating in the award of full ISO 9001: 2000 certification for our Quality Management systems.



PROFESSOR ULRICH BAUMGARTNER OF THE KREISKLINIK OTTOBUREN PRESENTS HIS EXPERIENCE OF THE USE OF THE CHEX CPH RANGE OF STAPLERS



PROFESSOR ULRICH BAUMGARTNER

CHIEF OF THE DEPARTMENT OF GENERAL, VISCERAL SURGERY AND COLO-PROCTOLOGY SPECIALIST FOR SURGERY AND VISCERAL SURGERY, PROCTOLOGY (SPECIALIST AREAS OF INTEREST: COLORECTAL SURGERY)

Professor Baumgartner is a recognised and experienced trainer in Stapled Hemorrhoidopexy, STARR and other colorectal procedures and has produced an excellent video guide on the techniques he employs.

WHEN YOU PUT PATIENTS' HEALTH FIRST, REMARKABLE THINGS FOLLOW



State-of-the-art manufacturing facilities.

CHEX
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INFORMED DESIGN.
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OUR RANGE OF PRODUCTS INCLUDE



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CIRCULAR STAPLERS FOR RECTAL PROLAPSE AND HEMORRHOIDS

CHEX
SURGICAL STAPLERS

A RANGE OF PRODUCTS TO MEET THE NEEDS OF MODERN SURGICAL PRACTICE

The introduction of the Chex™ CPH 34 and CPH 32 range of Circular Staplers for Stapled Hemorrhoidopexy has been received with the highest praise from Surgeons around the world. Undoubtedly...

“suma cum laude”

A RANGE OF PRODUCTS THAT, QUITE SIMPLY, ARE NOW CONSIDERED THE BEST

When you put health first, you test everything as strenuously as possible. You test it yourself and have others test it for you, you ask questions, you go back if necessary, you incorporate what you've learned into the manufacturing process.

You devote all your energies to product quality and end-user cost reduction. Only then can you be satisfied that the products you produce are truly the best possible.

At Frankenman, we believe we're not so much in the business of making instruments but in the business of making surgeries more successful.

That's why we listen to doctors who've put our instruments to use. We read their reports. We invite them to think with us, to brainstorm, to help us develop new, innovative products.

That way we know we will be able to deliver the highest quality to the medical profession both today and way into the future.



CPH 34 ACTUAL SIZE

21.60cm³ INTERNAL HOUSING VOLUME

TOP VIEW



- 1 SMOOTH, ERGONOMIC "UP FREE" CONICAL DESIGN OF ANVIL
- 2 LONGER "ANVIL ROD" OF ONE-PIECE CONSTRUCTION ENABLES BETTER ACCESS AND VISUALIZATION WHEN SECURING "PURSE STRING" AND GREATER MECHANICAL STABILITY FACILITATING ACCURATE STAPLE FORMATION
- 3 FIRST TO INTRODUCE A MINIMUM TISSUE GAP OF 0.75mm AS STANDARD
- 4 CPH 34 FEATURES 4 SUTURE CHANNELS PROVIDING MORE OPTIONS FOR ACCURATE AND TENSION-FREE PLACEMENT OF PULL SUTURES
- 10 "WING NUT" TO ASSIST CONTROL AND DEXTERITY WHEN OPENING AND CLOSING ANVIL

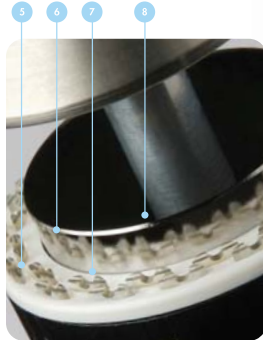
CPH 32 ACTUAL SIZE

17.17cm³ INTERNAL HOUSING VOLUME

SIDE VIEW



- 5 ONLY PRODUCT THAT HAS 32 STAPLES IN 2 ROWS TO ASSIST MORE EFFECTIVE HEMOSTASIS
- 6 HIGHEST QUALITY SURGICAL STEEL CUTTING BLADE
- 7 UNIQUE "CUTTING" MECHANISM WITH CIRCUMFERENTIAL PUSH ASSEMBLY
- 8 RADICAL REDESIGN OF STAPLE HOUSING GIVING SURGEON ACCURATE CONTROL OF TISSUE DRAWN INTO HOUSING
LOWERED TISSUE STOP TO FACILITATE SMOOTH CONTROLLABLE ENTRY OF TISSUE INTO SUTURE HOUSING



ACCESSORIES



- 9 FIRST TO SUPPLY TWO ANAL DILATORS. IN ADDITION TO STANDARD ANAL DILATOR ALL PRODUCTS ARE SUPPLIED WITH "BUTTERFLY" DILATOR ASSISTING WHEN ACCESS IS RESTRICTED

STAPLE INFORMATION

MODEL	CARTRIDGE COLOUR	STAPLE ROWS	STAPLE DIAMETER	CUTTING DIAMETER	STAPLE LEG LENGTH	STAPLE CROWN LENGTH	STAPLE COUNT	PER BOX
CPH 34	GREEN	2	34.5mm	26mm	4.2mm	3.8mm	32	3
CPH 32	WHITE	2	32.5mm	24mm	4.2mm	3.8mm	32	3

KEY FEATURES

- LARGE INTERNAL HOUSING CAPACITY TO ACCOMMODATE MORE TISSUE
- ADDITIONAL STAPLES TO PROVIDE EFFECTIVE HEMOSTASIS
- WING NUT CLOSING HANDLE FACILITATES EASE OF CLOSURE

A RANGE OF PRODUCTS THAT FACILITATE MORE EFFECTIVE SURGERY



A commitment to the highest quality and an ability to exceed international standards is what makes Frankenman and our Chex™ range of products stand out. We put health first. This manifests itself in our total dedication to a zero defect outcome. Our manufacturing, production, research and development, and customer service facilities are the envy of the international medical device sector.

We source and use only the highest quality materials and components from around the world. This means that not only do we adhere to internationally recognized measures of quality, such as CE and ISO 13485 certification, we regularly exceed them. Our commitment to the

ongoing training and development of our staff is second to none. Our design capabilities are of the highest standards throughout the industry, culminating in the award of full ISO 9000: 2000 certification for our Quality Management systems.



CHEX[®] SURGICAL STAPLERS

INFORMED DESIGN.
SCRUPULOUSLY APPLIED.
METICULOUSLY PRODUCED.

OUR RANGE OF PRODUCTS INCLUDE



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WHEN YOU PUT PATIENTS' HEALTH FIRST, REMARKABLE THINGS FOLLOW



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SINGLE USE CURVED INTRALUMINAL CIRCULAR STAPLERS

CHEX[®] SURGICAL STAPLERS



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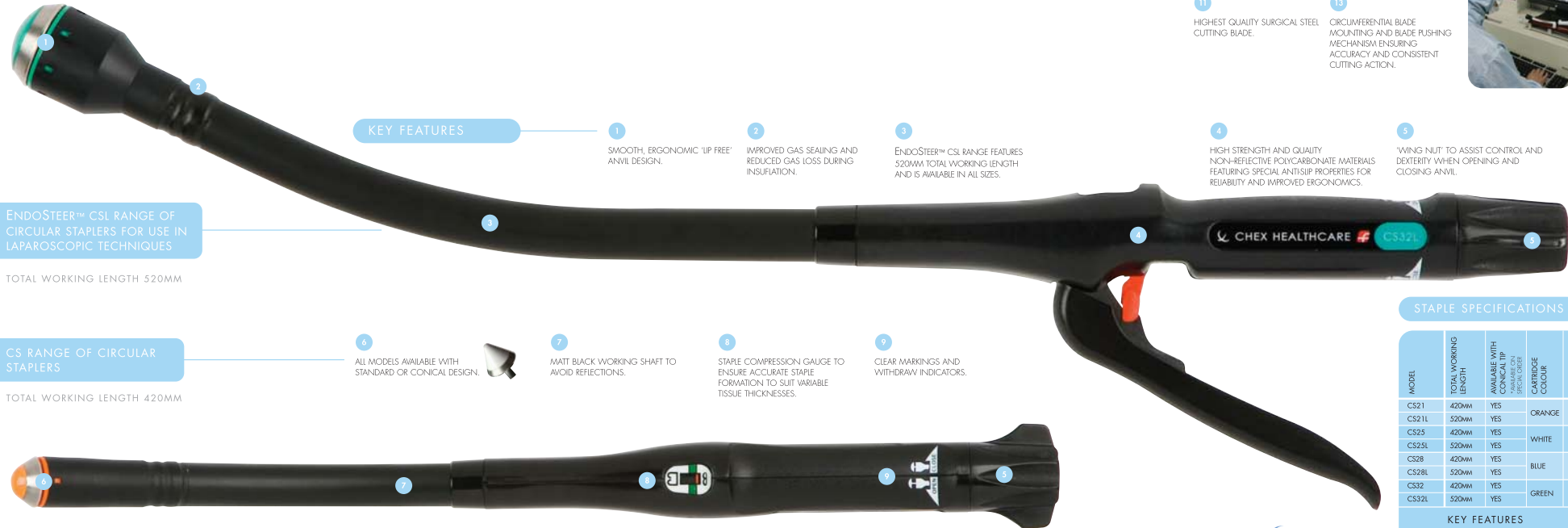
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A RANGE OF PRODUCTS TO MEET THE NEEDS OF MODERN SURGICAL PRACTICE

The Chex™ CS range of Circular Staplers has been proven in clinical use in markets around the world.

The range now includes models for standard open (CS) and advanced Laparoscopic (ENDOSTEER™ CSL) procedures.



KEY FEATURES

- 1 SMOOTH, ERGONOMIC 'UP FREE' ANVIL DESIGN.
- 2 IMPROVED GAS SEALING AND REDUCED GAS LOSS DURING INSUFFLATION.
- 3 ENDOSTEER™ CSL RANGE FEATURES 520MM TOTAL WORKING LENGTH AND IS AVAILABLE IN ALL SIZES.

ENDOSTEER™ CSL RANGE OF CIRCULAR STAPLERS FOR USE IN LAPAROSCOPIC TECHNIQUES

TOTAL WORKING LENGTH 520MM

CS RANGE OF CIRCULAR STAPLERS

TOTAL WORKING LENGTH 420MM

- 4 HIGHEST QUALITY SURGICAL STEEL CUTTING BLADE.
- 5 "WING NUT" TO ASSIST CONTROL AND DEXTERITY WHEN OPENING AND CLOSING ANVIL.
- 6 ALL MODELS AVAILABLE WITH STANDARD OR CONICAL DESIGN.
- 7 MATT BLACK WORKING SHAFT TO AVOID REFLECTIONS.
- 8 STAPLE COMPRESSION GAUGE TO ENSURE ACCURATE STAPLE FORMATION TO SUIT VARIABLE TISSUE THICKNESSES.
- 9 CLEAR MARKINGS AND WITHDRAW INDICATORS.

BETTER PRODUCTS BECAUSE WE LISTEN BETTER PRODUCTS BECAUSE WE CARE

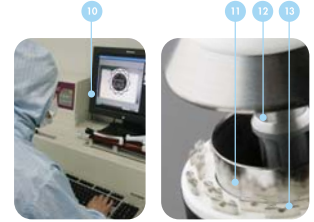
When you put health first, you test everything as strenuously as possible. You test it yourself and have others test it, you ask questions, you go back if necessary, you incorporate what you've learned into the manufacturing process.

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THE DETAILS THAT MAKE CHEX PRODUCTS THE CHOICE OF SURGEONS WORLDWIDE

A commitment to the highest quality and an ability to exceed international standards is what makes Frankenman and our Chex™ range of products stand out. We put health first. This manifests itself in our total dedication to a zero defect.

- 10 EVERY STAPLE AND STAPLE HOUSING IS INSPECTED AND PHOTOGRAPHED USING COMPUTER CONTROLLED IMAGING TO ENSURE POSITION AND INTEGRITY OF STAPLES.
- 11 HIGHEST QUALITY SURGICAL STEEL CUTTING BLADE.
- 12 NEW STAINLESS STEEL ANVIL SHAFT WITH LONGER PURSE STRING TYING AREA.
- 13 CIRCUMFERENTIAL BLADE MOUNTING AND BLADE PUSHING MECHANISM ENSURING ACCURACY AND CONSISTENT CUTTING ACTION.



- 4 HIGH STRENGTH AND QUALITY NON-REFLECTIVE POLYCARBONATE MATERIALS FEATURING SPECIAL ANTI-SLIP PROPERTIES FOR RELIABILITY AND IMPROVED ERGONOMICS.
- 5 "WING NUT" TO ASSIST CONTROL AND DEXTERITY WHEN OPENING AND CLOSING ANVIL.

STAPLE SPECIFICATIONS

MODEL	TOTAL WORKING LENGTH	AVAILABLE WITH ANVIL DESIGN VARIATION (SPECIAL ORDER)	CARTRIDGE COLOUR	SIZE OF STAPLE	OUTSIDE DIAMETER	CUTLUS DIAMETER	STAPLE QUANTITY
CS21	420MM	YES	ORANGE	3.8MM	21MM	13MM	16
CS21L	520MM	YES		4.2MM			
CS25	420MM	YES	WHITE	3MM	25MM	17MM	20
CS25L	520MM	YES		3MM			
CS28	420MM	YES	BLUE	4MM	28MM	20MM	24
CS28L	520MM	YES		4MM			
CS32	420MM	YES	GREEN	4MM	32MM	24MM	28
CS32L	520MM	YES		4MM			

KEY FEATURES

- 5MM AND 4.2MM STAPLE LENGTH.
- 21MM AND 25MM CS AND CSL FEATURE LARGE LUMEN SIZE AIDING IN THE PREVENTION OF STRICTURES.

CHEX 
SURGICAL STAPLERS

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State-of-the-art manufacturing facilities.

OUR RANGE OF PRODUCTS INCLUDE

FRANKENMAN LUMEN SIZERS	SINGLE USE PURSE STRING FORCEPS	ANVIL GRASPING FORCEPS	ANVIL GRASPING FORCEPS	INFORMED DESIGN. SCRUPULOUSLY APPLIED. METICULOUSLY PRODUCED.

FOR MORE INFORMATION OR TO VIEW OUR ENTIRE PRODUCT RANGE PLEASE VISIT OUR WEBSITE AT WWW.FRANKENMAN.HK



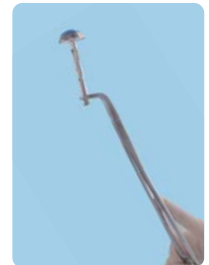
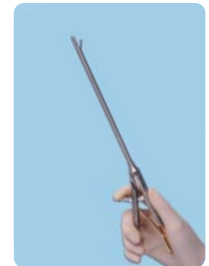
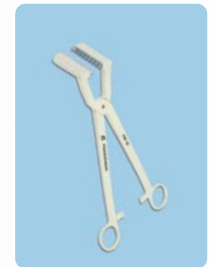
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ACCESSORY/ ANCILLARY PRODUCTS

FRANKENMAN'S EXPANSION OF ITS CORE SURGICAL STAPLER PRODUCTS, AND THE PROCEDURES THAT IT HAS DEVELOPED IN COLLABORATION WITH WORLD LEADING EXPERTS, HAS LED TO THE CREATION OF A SUITE OF HIGH QUALITY, PRECISION MADE ACCESSORY AND ANCILLARY PRODUCTS.

FRANKENMAN LUMEN SIZERS

Frankenman lumen sizers are manufactured in highest quality surgical stainless steel and ergonomically designed to facilitate ease of use. Featuring a unique double head design they are available in 6 sizes 32 & 34, 28 & 32, and 21 & 25 double head units. Available with or without purpose built sterilization trays.



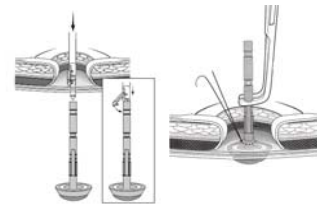
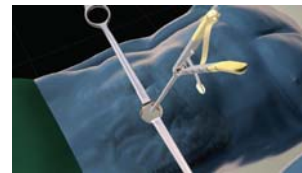
SINGLE USE PURSE STRING FORCEPS PSF 55

The Frankenman PSF 55 purse string forceps is a reliable, cost effective addition to the Frankenman range of products. Sold complete with straight needles and 2.0 monofilament nylon surgical suture.



ANVIL GRASPING FORCEPS

Frankenman anvil grasping forceps were designed with two procedures in mind. APPEAR and SMART represent major procedural breakthroughs in ultra low rectal anastomosis and the prevention of parastomal hernias respectively. The trocar tipped anvil grasper (F-TT1) and the round tipped anvil grasper (F-RT1) are unique.



REORDER INFORMATION

Product Name	Product Code	Contents	Remarks
ANVIL GRASPING FORCEPS	FOR APPEAR AND SMART PROCEDURES		
Frankenman Round Tipped Anvil Grasping Forceps	F-RT1	F-RT 1 x 1	
Frankenman Trocar-Tipped Anvil Grasping Forceps	F-TT1	F-TT1 x 1	
Frankenman Round Tipped Anvil Grasping Forceps (With sterilization tray)	F-RT1W	F-RT1 x 1 FAGTray 1 x 1	
Frankenman Trocar-Tipped Anvil Grasping Forceps (With sterilization tray)	F-TT1W	F-TT1 x 1 FAGTray 1 x 1	
Frankenman Anvil Grasping Forceps Kit (With sterilization tray)	FAGK1	F-RT1 x 1 F-TT1 x 1 FAGTray 1 x 1	
Frankenman Anvil Grasper Tray	FAGTray 1	FAGTray 1 x 1	
PURSE STRING FORCEPS			
Single Use Purse String Forceps	PSF 55	PSF 55 x 1 PSF5 65 x 1	

LUMEN SIZERS			
Frankenman Lumen Sizer Kit (With sterilization tray)	FLSK3W	FLS32/34 x 1 FLS28/32 x 1 FLS21/25 x1 FLSTray 3	
Frankenman Lumen Sizer Kit	FLSK3	FLS32/34 x 1 FLS28/32 x 1 FLS21/25 x1	
Frankenman Lumen Sizer Kit (With sterilization tray)	FLSK2W	FLS28/32 x 1 FLS21/25 x1 FLSTray 2	
Frankenman Lumen Sizer Kit	FLSK2	FLS28/32 x 1 FLS21/25 x1	
Frankenman Lumen Sizer Kit (With sterilization tray)	FLSK1W	FLS32/34 x 1 FLSTray 1	
Frankenman Lumen Sizer Kit	FLS32/34	FLS32/34 x 1	
Frankenman Lumen Sizer Kit	FLS28/32	FLS28/32 x 1	
Frankenman Lumen Sizer Kit	FLS21/25	FLS21/25 x1	
Frankenman Lumen Sizer Tray	FLSTray 3	FLSTray 3 x 1	Sterilization tray 3 sizes
Frankenman Lumen Sizer Tray	FLSTray 2	FLSTray 2 x 1	Sterilization tray CS sizes, 2 sizes 21-32
Frankenman Lumen Sizer Tray	FLSTray 1	FLSTray 1 x 1	Sterilization tray CPH sizes

When you put patients' health first, remarkable things follow.



SINGLE USE RELOADABLE LINEAR STAPLER

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CHEX[™]
SURGICAL STAPLERS





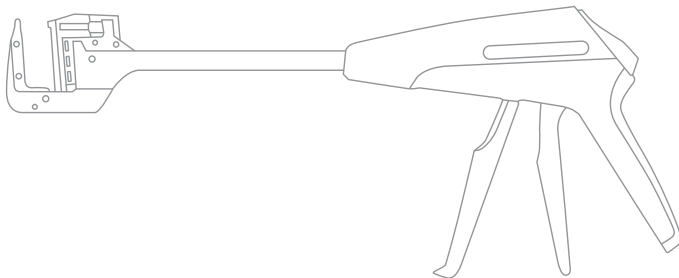
CHEX™

SURGICAL STAPLERS

SINGLE USE RELOADABLE LINEAR STAPLER

"The staples are closer together, overlap more and are made from marginally thicker titanium wire. These factors suggest the CHEX stapler can produce a more intimate joint between two wound edges."

University of Dundee, Comparative Assessment



KEY FEATURES

- + LARGE PARALLEL JAW OPENING: 20mm
 - Consistent compression • Consistent staple formation
- + MANUAL/AUTOMATIC TISSUE LOCATING PIN
- + RELOADS FOR DIFFERENT TISSUE THICKNESS
- + CARTRIDGE SAFETY INTERLOCK DEVICE
Prevents firing of used/empty cartridges
- + MIDDLE INTERLOCK POSITION

STAPLER SPECIFICATION

PRODUCT CODE				CLOSED STAPLE SIZE	STAPLING LINE LENGTH	STAPLE QUANTITY
LINEAR STAPLER		CARTRIDGE RELOADS				
LS 30W	WHITE	LSR 30W	WHITE	1.0mm	32mm	23
LS 30G	GREEN	LSR 30G	GREEN	2.0mm	32mm	13
LS 30B	BLUE	LSR 30B	BLUE	1.5mm	32mm	13
LS 45G	GREEN	LSR 45G	GREEN	2.0mm	46mm	19
LS 45B	BLUE	LSR 45B	BLUE	1.5mm	46mm	19
LS 60G	GREEN	LSR 60G	GREEN	2.0mm	60mm	25
LS 60B	BLUE	LSR 60B	BLUE	1.5mm	60mm	25
LS 90G	GREEN	LSR 90G	GREEN	2.0mm	90mm	37
LS 90B	BLUE	LSR 90B	BLUE	1.5mm	90mm	37



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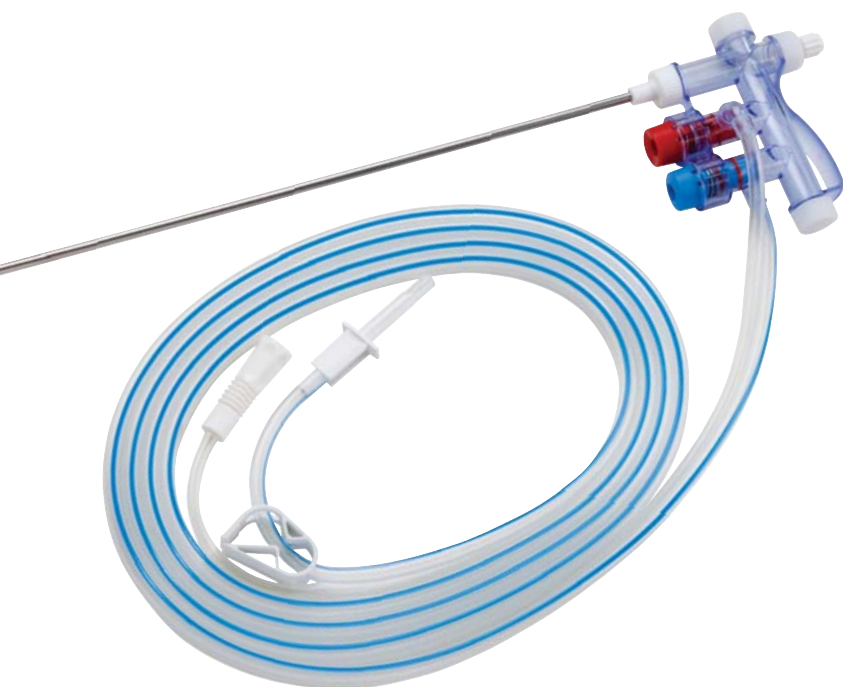
MAXIMA™ SUCTION AND IRRIGATION SYSTEM

FROM THE MAKERS OF CHEX™
SURGICAL STAPLERS

THE FRANKENMAN MAXIMA™ SUCTION AND IRRIGATION SYSTEM

The MAXIMA™ Suction and Irrigation system from FRANKENMAN offers unrivalled quality and unrivalled specifications in Suction and Irrigation... when you put patients' first remarkable products follow.

The MAXIMA™ design creates a system focused on performance. High Capacity tubing coupled to friction reducing double "o" ring sealed pistons for both Irrigation and Aspiration have created a system with unique fluid flow characteristics... maximising flow rates... virtually eliminating clogging.



ALTERNATE GRIP CONFIGURATION



KEY FEATURES

- 1 MAXIMUM CONTROL – ERGONOMICALLY DESIGNED PISTOL GRIP
- 2 MAXIMUM VERSATILITY – CONVERTS TO ALTERNATIVE "PALM", INLINE GRIP CONFIGURATION
- 3 MAXIMUM APPLICATIONS – 3MM, 5MM & 10MM CANNULAS IN 280MM, 330MM & 420MM WORKING LENGTHS
- 4 INTEGRAL LUER LOCK TISSUE TRAP CONNECTOR
- 5 MAXIMUM QUALITY – MANUFACTURED TO THE HIGHEST PROFESSIONAL STANDARDS

ORDER INFORMATION

DESCRIPTION	SIZE	PRODUCT CODE	QTY/BOX
MAXIMA™ SUCTION AND IRRIGATION SET COMPLETE WITH TUBING AND CONNECTORS WITH 280MM CANNULA TUBE	3MM	SIS328	10
	5MM	SIS528	10
	10MM	SIS1028	10
MAXIMA™ SUCTION AND IRRIGATION SET COMPLETE WITH TUBING AND CONNECTORS WITH 320MM CANNULA TUBE	3MM	SIS332	10
	5MM	SIS532	10
	10MM	SIS1032	10
MAXIMA™ SUCTION AND IRRIGATION SET COMPLETE WITH TUBING AND CONNECTORS WITH 420MM CANNULA TUBE	3MM	SIS342	10
	5MM	SIS542	10
	10MM	SIS1042	10
MAXIMA™ SUCTION AND IRRIGATION 280MM CANNULA TUBE ONLY	3MM	SIS328T	10
	5MM	SIS528T	10
	10MM	SIS1028T	10
MAXIMA™ SUCTION AND IRRIGATION 320MM CANNULA TUBE ONLY	3MM	SIS332T	10
	5MM	SIS532T	10
	10MM	SIS1032T	10
MAXIMA™ SUCTION AND IRRIGATION 420MM CANNULA TUBE ONLY	3MM	SIS342T	10
	5MM	SIS542T	10
	10MM	SIS1042T	10



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