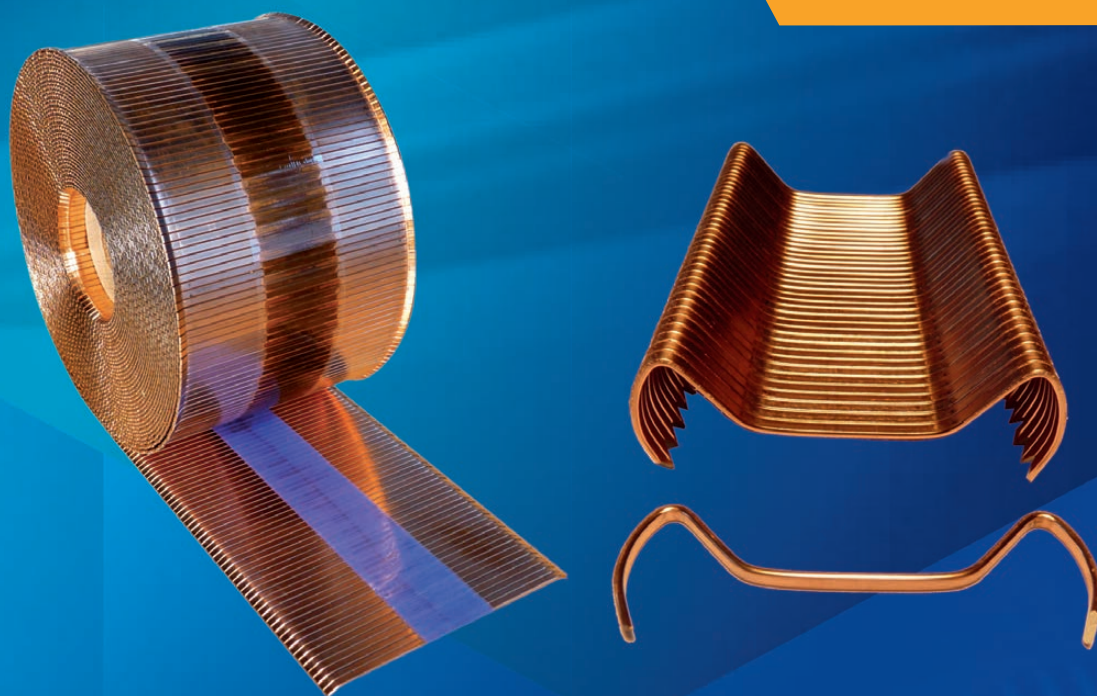


STAPLING SYSTEMS FASTENING TECHNOLOGY

QUICK.

ECONOMICAL.

RELIABLE.



**YOUR
MATERIALS**

**YOUR
FASTENING
REQUIREMENT**

**OUR
KNOW-HOW**



**OUR
FASTENING
TECHNOLOGY**

**OUR
STAPLING
SYSTEMS**

**OUR
NAILING
SYSTEMS**

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FASTENING THE EASY WAY. FAST, RELIABLE AND ECONOMICAL.

MEZGER was founded in 1920, and is one of the leading manufacturers of stapling devices and stapling machines based in Germany. In addition to the carton closing, the **MEZGER staple fastening technology** is used for a vast number of highly different materials. In addition to the classic packaging sector clients, well-known companies from a broad range of industries such as the automotive industry and general engineering are also among our customers.

The line ranges from inexpensive hand staplers for small demand to high speed machines for completely automated processing.

Individual solutions – our trademark MG®

- You should receive the product you need.
- To ensure that, we will try to establish a close cooperation from the very start.
- Thereby you will benefit from the advantages of a medium-sized company.
- Flexible and fast processing, clear and competent contact persons.
- Customized technical solutions – everything from a single source.

Quality makes us strong and reliable

- **MEZGER** is a highly quality-conscious company.
- Our high-grade products have been appreciated by our customers.
- **MEZGER** is setting standards in the market (MG®-/TOP series).

Our full service for you

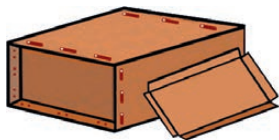
- Consulting provided by our thoroughly trained staff.
- Broad range of stapling solutions with nearly 100 different staple types.
- Own development and repair department.

International

- **MEZGER** products are in demand all over the world.
- Strong export business into more than 40 countries.
- Competent, multilingual customer service.



ADVANTAGES OF STAPLING



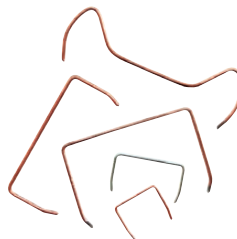
A high degree of stability as all cardboard layers are **joined firmly together**

Cartons with staples removed properly can be **reused**

It creates an excellent **anti-theft protection** through the sealing effect

Quick and **economic** closing of cartons

Stapling provides **more stability** and **better stackability**



resistance against temperature and weather influences

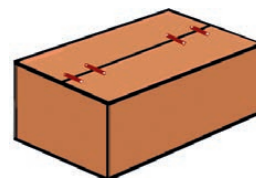
Environmental compatibility

Trouble-free removal of staples for the recycled paper processing

Allows the use of **thinner, low-cost carton quality**

Stapling with **MG® Stapling Systems** includes **consultation, prompt material supplies, maintenance and servicing**

Commercial labelling on the cartons remains **intact**



A QUESTION OF GOOD SENSE

The staple is made of iron or steel wire base material, which is connected to the form strips of staples.

This product can be recycled again and again to 100% and without a loss of quality.

Staples are easy to dispose of

A hassle-free and responsible disposal without any adverse environmental impact, is considered as the most important characteristic for the majority of consumers when selecting the utilized consumption materials. The staples are easily separated within the scope of their recycling process and can then be prepared for reuse.

Simply reuse your cardboard boxes

Stapled cardboard products can be completely reused again in the transport chain by removing the staple with a staple remover. Your cardboard box or your basic material will remain almost intact and thus save costs.

Significantly reduce your waste volume

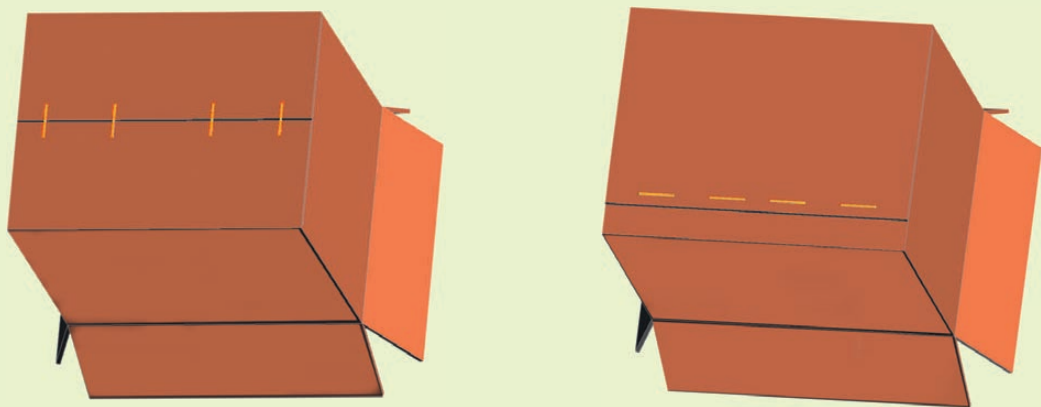
Staples produce a significantly reduced amount of waste compared with other bonding alternatives, for example, if adhesive tape is used. Through the possible reuse of the stapled materials (for example, cardboard) you will produce far less waste volume and thus protect the environment.

BOTTOM STAPLING MACHINES

- ✓ Suitable for empty folding boxes with joining and overlapping flaps
- ✓ Suitable for solid and corrugated cardboard
- ✓ Secure bottom closure as a basis for a heavy filling

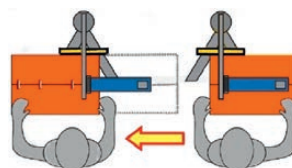
BEFORE FILLING YOUR BOXES, YOU NEED A STABLE CLOSURE OF THE BOTTOM FLAPS.

A secure bottom closure of folding boxes made of solid or corrugated cardboard can be perfectly performed by **MEZGER Stapling Machines**. It is recommended to place the first staple at the outer edge of the box and continue towards the centre. Four staples are sufficient for a medium-sized carton to join all cardboard layers firmly together.



PERFECTA L 323 + PEL 323

BOTTOM STAPLING MACHINES



WEIGHT
43 kg / 55 kg



MECHANICAL & PNEUMATIC



STAPLE SIZE
Crown 36 mm
Legs 15 – 23 mm
Wire diameter
1.1 x 1.5 mm



CAPACITY
180 staples



APPLICATION RANGE

Bottom closure of empty cartons made of solid and corrugated cardboard. With the rapidly adjustable carton guide stop you can comfortably adjust the exact stapling position. Insert your folding carton from the side during the stapling process, so that you as the operator can remain in the same ergonomic position.

TECHNICAL DATA

Mechanical or pneumatic stapling device for staples of the series MG® 300; leg length 15 – 23 mm, suitable for solid, single and double-corrugated cardboard. The removable anvil provides a penetrating stapling, as well as an optional blind stapling. The working height in the standard version is 995 mm. For larger quantities we recommend our twin-head version.

TYPE	L 323	PEL 323
Version	mechanical	pneumatic
Dimensions (W x D x H)	700 x 1000 x 1300 mm	700 x 1000 x 1300 mm
Weight	64 kg	55 kg
Leg length of the staples	15, 20, 23 mm	15, 20, 23 mm
Load capacity: (number of staples)	180	180
Max. carton sizes: (Length x width x height) incl. 1 flap*	100 x 80 x 70* cm	100 x 75 x 85* cm
Air pressure	–	4 – 6 bar
Air consumption per stapling process at 6 bar	–	approx. 4 NL



Twin-head



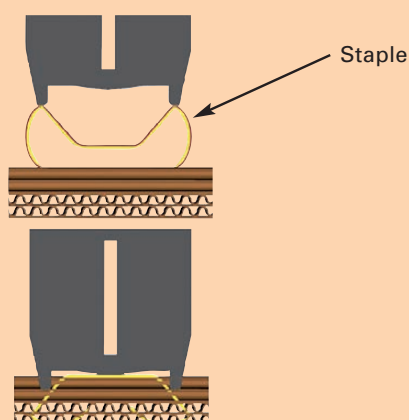
TOP STAPLERS

- ✓ For closing filled folding boxes with joining and overlapping flaps
- ✓ Distinction between penetrating stapling with clinching anvils and blind stapling without
- ✓ Pneumatic devices can be suspended at the work height by using a balancer

AFTER FILLING THE TOP FLAPS OF YOUR CARTON MUST BE SECURELY CLOSED.

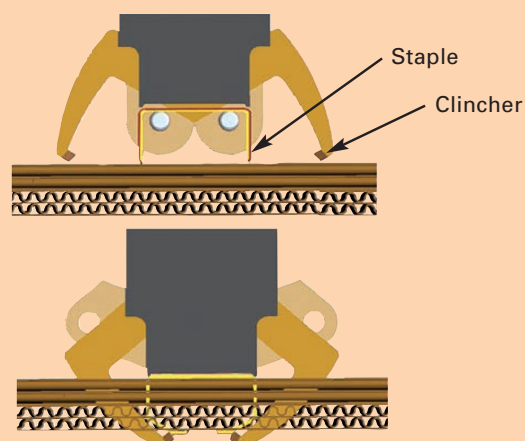
Here, we fundamentally distinguish between two types of sealing technologies (see illustrations). As with the bottom stapling, the outer flaps must be connected with those in the interior. For this, at least two staples must be applied in the edge areas of the carton.

BLIND STAPLING TOP



- Staple is preformed
- The staple is automatically bent (without clinchers) within the lowest cardboard layer
- No damaging of the packaged goods
- Special technology from **MEZGER**

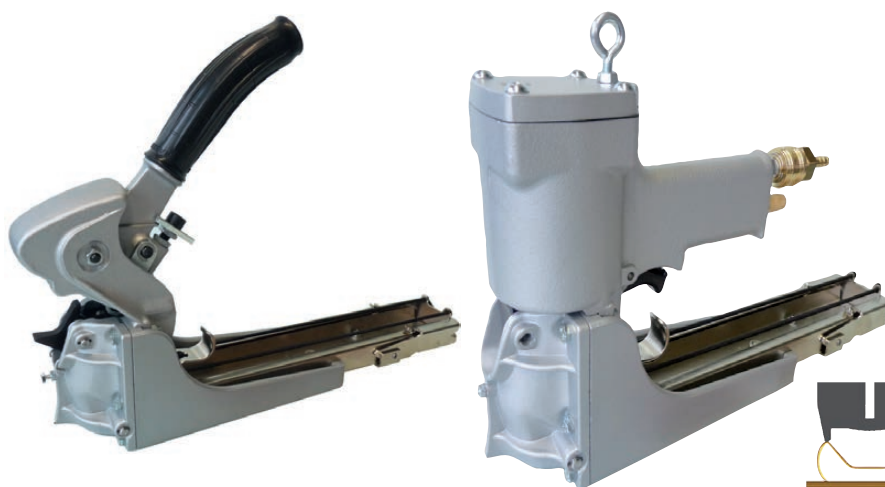
PENETRATING STAPLING







- Staple penetrates the cardboard completely
- Staple is bent with the help of penetrating clinching anvils
- Integrated in almost all top stapling tools

TOP SP EH + TOP SP P

BLIND STAPLERS TOP



WEIGHT	
2.4 kg / 2.9 kg	
MECHANICAL & PNEUMATIC	
STAPLE SIZE	
Crown 35 mm Legs 18 mm Wire diameter 1.0 x 2.0 mm	
CAPACITY	
120 staples	

APPLICATION RANGE

Blind stapling of cartons made of corrugated cardboard with joining and overlapping flaps. No damaging of the material to be stapled is possible. Suitable for single and double-corrugated cardboard. With **MEZGER** Blind Staplers there are no additional stitching holes next to the staples.

TECHNICAL DATA

Mechanical or pneumatic staplers for the TOP Staple, leg length 18 mm.

TYPE	TOP SP EH	TOP SP P
Version	mechanical	pneumatic
Device dimensions (length x width x height)	360 x 84 x 275 mm	345 x 85 x 215 mm
Weight	2.4 kg	2.9 kg
Leg length of the staples	18 mm	18 mm
Load capacity: (Number of staples)	120	120
Air pressure	–	4 – 6 bar
Air consumption per stapling process at 6 bar	–	1.3 NL



TOP STAPLERS

MEPA 18 / 18 P + 22 / 22 P



WEIGHT

1.74 kg / 1.98 kg /
2.16 kg



MECHANICAL & PNEUMATIC



STAPLE SIZE

Crown 35 mm
Leg 15 – 22 mm
Wire diameter
0.9 x 2.3 mm



CAPACITY

100 staples



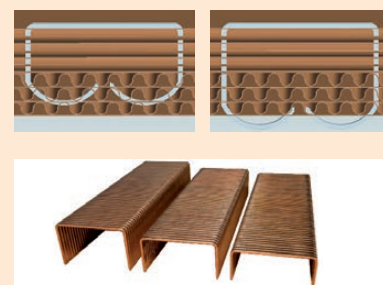
APPLICATION RANGE

Closing filled boxes made from corrugated cardboard with joining and overlapping flaps using clinching anvils. Suitable for single and double corrugated cardboard and thin triple corrugated cardboard. The staple form can be changed from an open to a closed stapling. The penetration depth of the staple is adjustable.

TECHNICAL DATA

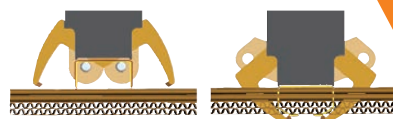
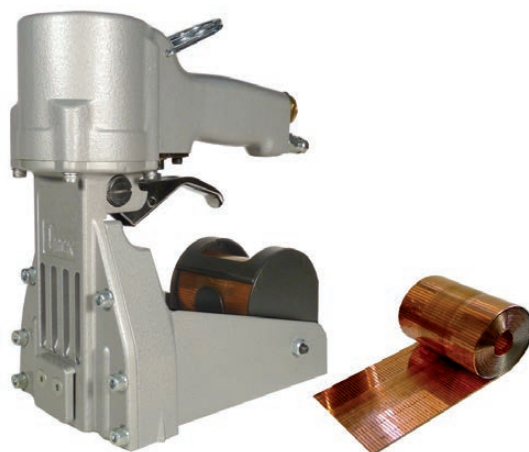
Mechanical or pneumatic staplers for staple series B 5/8, B 3/4 und B 7/8, leg length 15 – 22 mm. Sound suppressor. Clinching anvils return automatically.

TYPE	MEPA 18	MEPA 22	MEPA 18 P	MEPA 22 P
Version	mechanical	mechanical	pneumatic	pneumatic
Device dimensions (length x width x height)	380 x 115 x 295 mm	380 x 115 x 295 mm	340 x 115 x 225 mm	340 x 115 x 225 mm
Weight	1.74 kg	1.74 kg	1.98 kg	2.16 kg
Leg length of the staples	15, 18 mm	18, 22 mm	15, 18 mm	18, 22 mm
Load capacity: (Number of staples)	100	100	100	100
Air pressure	–	–	4 – 6 bar	4 – 6 bar
Air consumption per stapling process at 6 bar	–	–	0.7 NL	0.7 NL



MEROLOCK 3

TOP STAPLERS



WEIGHT
2.76 kg



PNEUMATIC



STAPLE SIZE

Crown 32 mm
Leg 18 mm
Wire diameter
0.9 x 2.0 mm



CAPACITY

1,000 coiled
staples



APPLICATION RANGE

Economic closing of cartons made from corrugated cardboard with joining and overlapping flaps using clinching anvils. Suitable for single and double corrugated cardboard. Adjustable penetration depth to match the type of carton.

Ideally suited for a utilization in packaging lines, where a high degree of availability and efficiency must be ensured.

TECHNICAL DATA

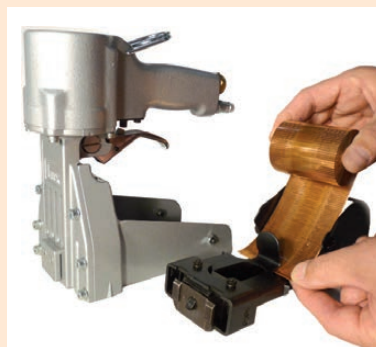
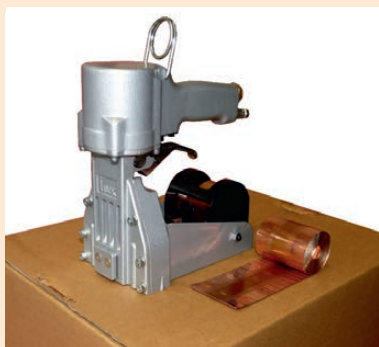
Pneumatic stapler for staple type CR 1/34, leg length 18 mm, with sound suppressor and including an automatic clinching anvil return. Clinching anvils are specially hardened, which increases the serviceable life.

TYPE	MEROLOCK 3
Version	pneumatic
Device dimensions (length x width x height)	215 x 110 x 210 mm
Weight	2.76 kg
Leg length of the staples	18 mm
Load capacity: (Number of staples)	1,000
Air pressure	4 – 6 bar
Air consumption per stapling process at 6 bar	1.3 NL



YOUR ADVANTAGES

- Housing made from tempered steel to provide long durability
- Clinching anvils return instantaneously: up to 20 staple cycles/minute
- 1,000 staples per coil: up to 10 times less frequent recharging as compared to normal staplers



TOP STAPLERS

MERO 18 P + 22 P



WEIGHT
2.37 kg



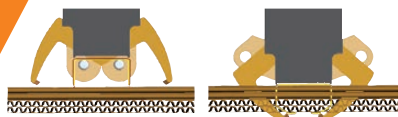
PNEUMATIC



STAPLE SIZE
Crown 32 mm
Legs 15 – 22 mm
Wire diameter
0.9 x 2.3 mm



CAPACITY
1,000 coiled
staples



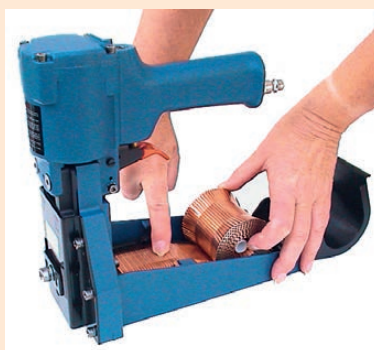
APPLICATION RANGE

Economic closing of cartons made from corrugated cardboard with joining and overlapping flaps using clinching anvils. Suitable for single and double corrugated cardboard and thin triple corrugated cardboard. The staple shape can be changed from an open to a closed stapling. Adjustable penetration depth to match the type of carton. Depending on the quality of the cardboard, coiled staples with two different leg lengths can be used in the same stapler.

TECHNICAL DATA

Pneumatic staplers for staple series R 1/58, R 1/34 and R 1/78, leg length 15 – 22 mm. Staplers have sound suppressor and include an automatic clinching anvil return, 1,000 staples per coil.

TYPE	MERO 18 P	MERO 22 P
Version	pneumatic	pneumatic
Device dimensions (length x width x height)	233 x 150 x 230 mm	233 x 150 x 230 mm
Weight	2.37 kg	2.37 kg
Leg length of the staples	15, 18 mm	18, 22 mm
Load capacity: (Number of staples)	1,000	1,000
Air pressure	5 – 7 bar	5 – 7 bar
Air consumption per stapling process at 6 bar	1.1 NL	1.1 NL



JUMBO 32 + 38

TOP STAPLERS



WEIGHT
8 kg



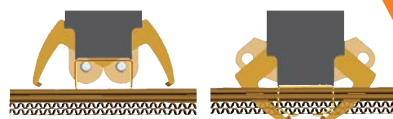
PNEUMATIC



STAPLE SIZE
Crown 32 mm
Legs 32 – 38 mm
Wire diameter
1.4 x 2.3 mm



CAPACITY
100 staples



APPLICATION RANGE

Closing of cartons made of corrugated cardboard with joining and overlapping flaps using clinching anvils. Suitable for double and triple corrugated cardboard. The strong staples with a leg length of 32 or 38 mm give the stapled carton a very high rigidity. The penetration depth of the staple is adjustable.

TECHNICAL DATA

Pneumatic stapling device for series 32 staples, leg length 32 or 38 mm, soundproofed.

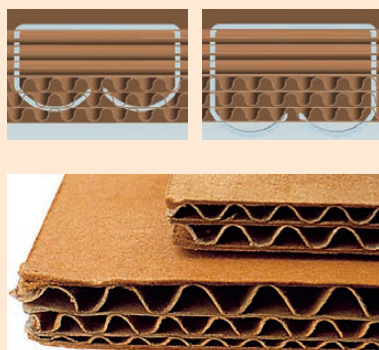


RECOMMENDATION

For convenient working use a balancer in combination with a swivel arm system, and an appropriate spiral hose.

This kind of accessory is also available!

TYPE	JUMBO 32	JUMBO 38
Version	pneumatic	pneumatic
Device dimensions (length x width x height)	465 x 190 x 345 mm	465 x 190 x 345 mm
Weight	8 kg	8 kg
Leg length of the staples	32 mm	38 mm
Load capacity: (Number of staples)	100	100
Air pressure	4 – 7 bar	4 – 7 bar
Air consumption per stapling process at 6 bar	7 NL	7 NL

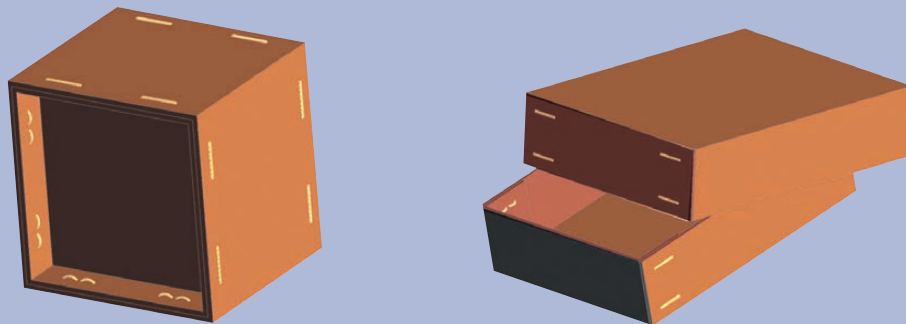


INDUSTRIAL STAPLING PLIERS

- ✓ **Stapling Pliers are universally applicable for a highly diverse range of materials**
- ✓ **A broad variety of staples from miniature up to king size staples**
- ✓ **Throat depth and utilization frequency as the essential selection criteria**

OUR STAPLING PLIERS ARE UNIVERSALLY OPERATIONAL AND AVAILABLE FOR A BROAD VARIETY OF TASKS.

Ranging from classic applications such as the stapling of telescope-type boxes, slide lids, and all the way up to fastening processes where unusual materials have to be fixed. When selecting the stapling plier, in addition to the frequency of use (number of stapling cycles) also particularly observe the throat depth of the stapling plier, because it largely determines where the staples can be placed.



ZANGE 31 + 31/4

INDUSTRIAL PLIER STAPLER



WEIGHT

480 g



MECHANICAL



STAPLE SIZE

Crown 11.3 mm

Legs 8 – 12 mm

Wire diameter

0.5 x 1.3 mm



CAPACITY

50 staples



APPLICATION RANGE

The nickel-plated stapling pliers with a rear loading system are suitable for the stapling of corrugated and solid cardboard, paper, fabric, leather, rubber and plastics. For packaging and labelling purposes. The version 31/4 with a U-sword is ideal for the stapling of closure covers in plastic containers and cardboard tubes.

TECHNICAL DATA

Strong and handy stapling pliers, for the staple series 73, leg length 8 – 12 mm, for stapling up to 10 mm material thickness.

TYPE	ZANGE 31	ZANGE 31/4
Version	mechanisch	mechanisch
Device dimensions (length x width x height)	190 x 25 x 95 mm	190 x 25 x 95 mm
Weight	480 g	480 g
Leg length of the staples	8, 10, 12 mm	8, 10, 12 mm
Load capacity: (Number of staples)	50	50
Throat depth	65 mm	65 mm
Throat width	14 mm	14 mm



INDUSTRIAL STAPLING PLIER

130/1916 + 130/1916 P



WEIGHT

1.6 kg / 2.1 kg



MECHANICAL & PNEUMATIC



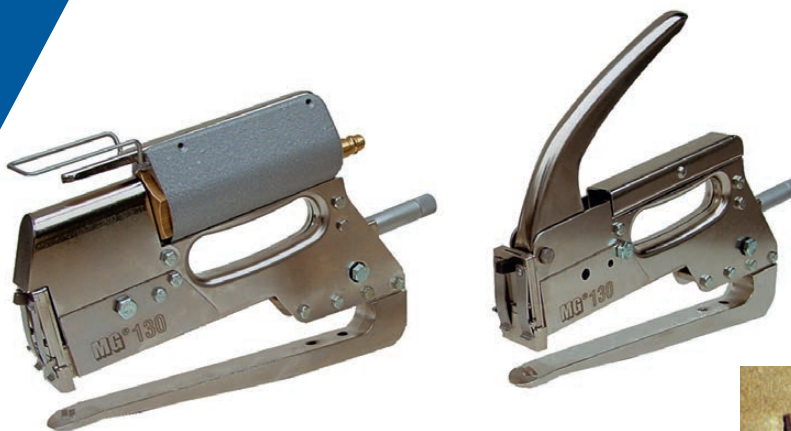
STAPLE SIZE

Crown 13 mm
Legs 10 – 16 mm
Wire diameter
0.6 x 1.4 mm



CAPACITY

100 (250*)
staples



APPLICATION RANGE

Universal stapling plier for stapling cardboard blanks, telescope-type boxes, carton trays, slide lids etc., suitable for solid, single and double corrugated cardboard. By-pass legs ensure a high level of strength. Three different staple lengths can be used without adjustment.

TECHNICAL DATA

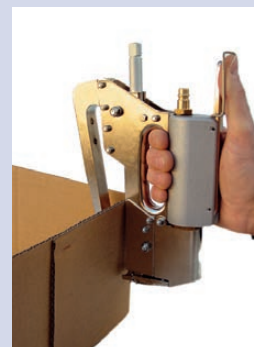
Hand-operated and pneumatic stapling pliers for the MG[®] 130 staple series, leg length 10, 12 and 16 mm.



OPTIONS

- XL magazine* with 250 staples capacity
- With reversed trigger so that stapling is possible with the throat pointing downwards.
- Triggering with a foot valve, if the device is mounted in a fixed position, so that both hands are free

TYPE	130/1916	130/1916 P
Version	mechanical	pneumatic
Device dimensions (length x width x height)	265 x 35 x 200 mm	260 x 44 x 170 mm
Weight	1.6 kg	2.1 kg
Leg length of the staples	10, 12, 16 mm	10, 12, 16 mm
Load capacity: (Number of staples)	100 (250*)	100 (250*)
Throat depth	190 mm	190 mm
Throat width	approx. 17 mm	approx. 17 mm
Air pressure	–	4 – 6 bar
Air consumption per stapling process at 6 bar	–	approx. 0.4 NL



Z 200 ZH16

INDUSTRIAL STAPLING PLIER



WEIGHT

4 kg



PNEUMATIC



STAPLE SIZE

Crown 23.7 mm
Legs 25 – 38 mm
Wire diameter
1.2 x 2.2 mm



CAPACITY

110 staples



APPLICATION RANGE

Suitable for particularly strong corrugated cardboard. The favourable weight distribution of the stapling plier, which is ergonomically balanced, enables a rapid, time-saving and easy handling. The stapling plier is equipped with a silencer. The throat width can be adjusted according to the thickness of the cardboard.

TECHNICAL DATA

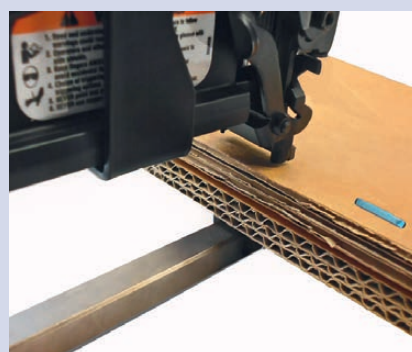
Pneumatic stapler for the staple series ZH 16, leg length 25 – 38 mm, for the stapling of up to 30 mm thick material.



TIP

A suspension of the plier stapler is also possible. Please ask for the appropriate modification kit!

TYPE	Z 200 ZH16
Version	pneumatic
Device dimensions (length x width x height)	400 x 80 x 300 mm
Weight	4.0 kg
Leg length of the staples	25, 30, 38 mm
Load capacity: (Number of staples)	110
Throat depth	240 mm
Throat width	ca. 32 mm
Air pressure	5 – 7 bar
Air consumption per stapling process at 6 bar	1.7 NL

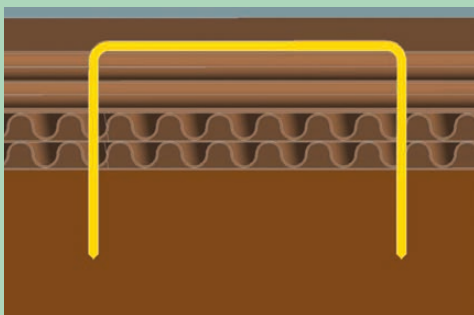


NAILING TOOLS

- ✓ Nailing tools for fastening various materials onto wood
- ✓ Small as well as sturdy tools are available depending on the application
- ✓ Nailing as well as a stapling is possible with the long handle stapler STA 500

WITH NAILING TOOLS YOUR MATERIAL CAN BE FIRMLY FASTENED ONTO WOOD.

For nailing oversized cardboard boxes onto wooden pallets or for the attachment of labels or other markings. The staple is thereby driven straight into the wood. Depending on the attachment strength, you can select from a range of small devices or even stronger and more solid models.



HAMMER A11 + RAPID 34

NAILING TOOLS



WEIGHT

960 g / 870 g



MECHANICAL



STAPLE SIZE

Crown 10.8 mm
Legs 6 – 14 mm
Wire diameter
0.5 x 1.3 mm



CAPACITY

168 / 84
staples



APPLICATION RANGE

The stapling hammer and handheld tacker are suitable for nailing thin materials such as card-board, foil or insulating materials onto wood. Rapid, uncomplicated nailing without a lot of effort!

HAMMER A11: ergonomically shaped handle, simple reloading system.

RAPID 34: rugged metal housing. 3 adjustable stroke power settings, high stroke power, without recoil.

TYPE	HAMMER A11	RAPID 34
Version	mechanical	mechanical
Device dimensions (length x width x height)	300 x 40 x 60 mm	180 x 30 x 155 mm
Weight	960 g	870 g
Leg length of the staples	6, 10 mm	6, 10, 14 mm
Load capacity: (Number of staples)	168	84

TECHNICAL DATA

For series 11 staples, leg length 6 – 14 mm.



NAILING TOOLS

STA 500



WEIGHT
3.3 kg



MECHANICAL



STAPLE SIZE
Crown 36 mm
Legs 15–35 mm
Wire diameter 1.1 x
1.5 / 1.3 x 2.4 mm



CAPACITY
130 / 80
staples



APPLICATION RANGE

Bottom nailing of oversized cartons as well as their nailing onto wooden pallets. You can staple and perform a nailing on the same stapler without any adjustment. The application purpose of the stapler can be specified with the currently used staple type (straight or preformed). Suitable for single, double and triple corrugated cardboard.

Functionality: The long handle stapler is placed vertically onto the cardboard, and the handle is moved downward in a jerking movement, which causes the staple to bend on a stable material (we recommend the use of a steel plate to protect the floor when stapling) or a penetration into the wood in a nailing process.

TECHNICAL DATA

Mechanical tool for stapling and nailing. For staples series 300 and 500, leg length 15 – 35 mm.



TYPE

STA 500

Version

mechanical

Device dimensions (length x width x height)

300 x 80 x
450 to 1,500 mm

Weight

3.3 kg

Leg length of the staples

15, 20, 23, 30, 35 mm

Load capacity: (Number of staples)

300 series: 130 staples
500 series: 80 staples



SPECIAL FEATURES

- With the practical screw thread you can specify the work height of the device
- Depending on the thickness of the material to be stapled, you can use smaller staples (300 series) or larger, more massive staples (500 series)

N 200 ZH16

NAILING TOOLS



WEIGHT

2.2 kg



PNEUMATIC



STAPLE SIZE

Crown 23.7 mm
Legs 19 – 45 mm
Wire diameter
1.2 x 2.2 mm



CAPACITY

110 staples



APPLICATION RANGE

Nailing machine with a special suitability for use in the construction and packaging industry for the fastening of wood, strong cardboard, roofing board, insulation boards onto a wooden surface. Typical applications are in the box and cardboard box manufacturing, as well as for construction, carpenter and cabinetmaker work. The favourable weight balance of the nailing tool enables an easy, fast and accurate work performance. The stapler is equipped with a sound suppressor. The very robust galvanised staples offer a particularly high degree of fastening strength.



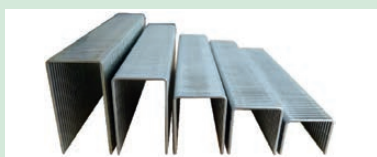
POGOSTICK

The tacker can be optionally equipped with a holding bar. With the POGOSTICK, the tacker can be easily inserted into the oversized carton from above. The stapling process is triggered via a pneumatic valve at the top of the handle. Length: 100 cm, weight 2.5 kg

TECHNICAL DATA

Pneumatic nailing device for the staple series ZH 16, leg length 19 – 45 mm.

TYPE	N 200 ZH16
Version	pneumatic
Device dimensions (length x width x height)	335 x 80 x 250 mm
Weight	2.2 kg
Leg length of the staples	19, 25, 30, 38, 45 mm
Load capacity: (Number of staples)	110
Air pressure	5.5 – 8 bar
Air consumption per stapling process at 6 bar	1.5 NL



TABLETOP STAPLER

- ✓ The tabletop stapler is suitable for thin, high-volume materials
- ✓ Devices can be modified individually
- ✓ The process-reliable solution for the continuous operation

DO YOU PRIMARILY FASTEN THINNER, SMALLER GOODS IN HIGH VOLUME? THEN A SERIES TH 210 TABLETOP STAPLER IS EXACTLY THE RIGHT SOLUTION FOR YOU.

The devices are designed for very high quantities and a convincing process reliability. We can individually align our table staplers to your needs. You provide us with the requirements in terms of dimension, stapling units, triggering type etc. and we will build your device.



TH 210

TABLETOP STAPLER



WEIGHT

5.8 kg



PNEUMATIC



STAPLE SIZE

Crown 12.8 mm
Legs 6 – 8 mm
Wire diameter
0.4 x 0.5 mm



CAPACITY

210 staples



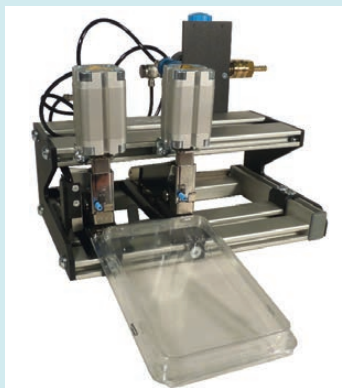
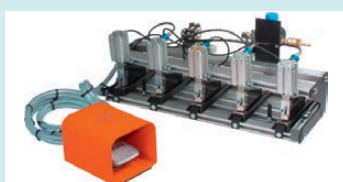
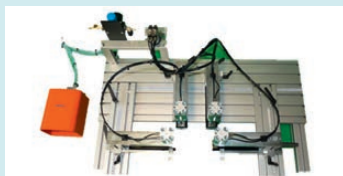
APPLICATION RANGE

TH 210 tabletop staplers are used for fixing thin cardboard (cardboard headers or cardboard tabs) onto plastic bags, paper bags or blister packs. Standardly, the tabletop stapler is equipped with two insert staplers (frontloaded), each with a capacity of 210 staples.

TECHNICAL DATA

Pneumatic stapling unit with an adjustable stopper up to a depth of 85 mm. In a special version, a triggering of the stapling cycle can also be triggered through a foot valve instead of the adjustable stopper. As of the second pneumatic stapling unit, any further stapling units can be deactivated individually with a sliding valve. Table staplers are also available in special widths. A counter can be installed optionally.

TYPE	TH 210
Version	pneumatic
Device dimensions (length x width x height)	285 x 220 x 270 mm
Weight	5.8 kg
Leg length of the staples	6, 8 mm
Load capacity: (Number of staples)	210
Air pressure	4 – 6 bar
Air consumption per stapling process at 6 bar	0.06 NL per cylinder

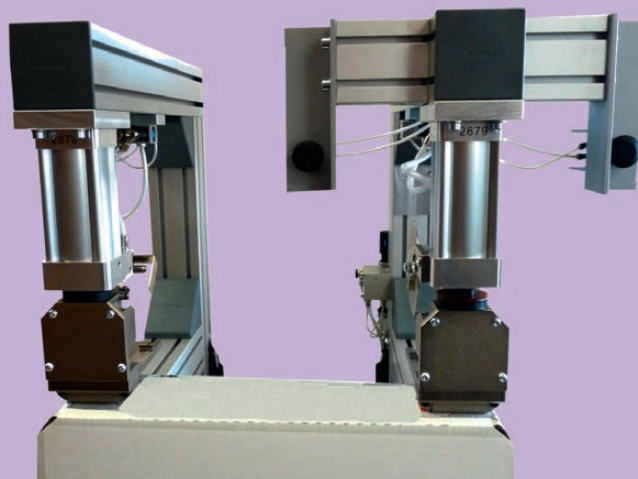


STAPLING DEVICES

- ✓ SGR models can be modified according to the application purpose
- ✓ All stapling head models can be used
- ✓ Efficient working with an ease of use

OUR SGR STAPLING DEVICES HAVE OUR STAPLING HEADS A 20, B 36, C 13 OR E 24 INTEGRATED IN ALUMINIUM PROFILE FRAMES.

Especially with higher quantities you will already benefit from the stapling head technology for coiled staples, which will provide you with up to 5,000 staples per coil. The stapling devices can be custom designed to your specifications. Through the flexible stapling head options, we can provide you with a broad range of coiled staples in different materials and sizes. Whether it's for the prototype or series production, the SGR stapling device is always a highly efficient and rugged stapling solution.



SGR 1

STAPLING DEVICES



WEIGHT

37 kg



PNEUMATIC



STAPLE SIZE

depending on the
stapling head



CAPACITY

4,000 / 5,000
staples



APPLICATION RANGE

Stapling devices with stapling heads for roll-staples A 20 – C 13 for the stapling of cardboard blanks to telescope cartons, carton trays, insert covers, as well as plastic, rubber and thin metal parts. E 24 blind stapling heads in SGR stapling devices are mainly suitable for the cover stapling of folding and telescope cartons.

TECHNICAL DATA

Pneumatic stapling device with an optional transverse or longitudinal stapling, with the staple process triggering via foot valve, and a standard version which includes a stapling head unit. Multi-head variants, such as SGR 2, SGR 3 etc. can be supplied. Work height is adjustable and the delivery includes the complete maintenance unit.

TYPE	SGR 1 (with stapling head C 13)
Version	pneumatic
Device dimensions (length x width x height)	600 x 700 x 1,655 mm
Weight	37 kg
Leg length of the staples	6.5–21 mm
Insertion depth	max. 439 mm
Load capacity: (Number of staples)	max. 5,000
Number of staple units	1 (further upon request)
Air pressure	4–6 bar
Air consumption per stapling process at 6 bar	1.7 NL
Features	complete maintenance unit

TGR 1



SGR 2



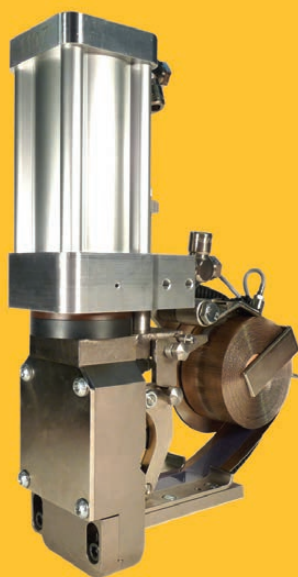
SGR 1 QE

SGR 1 LE



STAPLING HEADS FOR COILED STAPLES FOR SEMI AND FULLY AUTOMATIC MACHINES

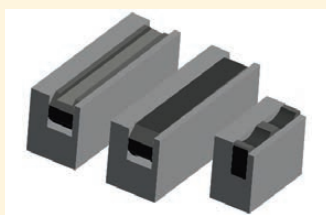
- ✓ Stapling heads as stapling units for the automation
- ✓ Stapling heads can be used for stapling and nailing
- ✓ MEZGER is a supplier of components, as well as customized overall solutions



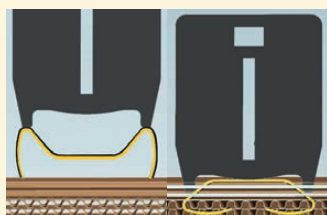
YOU WOULD LIKE TO STRUCTURE YOUR FASTENING PROCESS IN AN AUTOMATED AND EFFICIENT MANNER?

MEZGER stapling heads can be integrated into your fully automatic applications, and adapted to your individual needs. Thereby, it is possible to process up to 5,000 staples without reloading, with a single stapling head. We will gladly provide you with a professional consulting, no matter whether you're only interested in the stapling head, or an entire machine solution. Our key strength is the planning and implementation of a customized solution, which is perfectly aligned to your individual requirements.

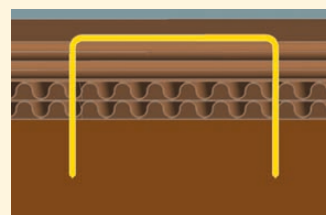
STAPLING HEADS – THREE USAGE OPTIONS:



Stapling with a counter-anvil (type A 20, B 36, C 13): Anvil holder and anvil insert required. Variants: flat anvil, anvil with groove, anvil with bend radius.



Stapling without counter-anvil (type E 24): Feed travel and staple must be appropriately set for the material to be stapled.



Nailing (type A 20, C 13): Staples are not being shot through the material into the wood but pressed which avoids any damage like cutting through the film or cardboard.

STAPLING HEADS FOR COILED STAPLES

A 20 + C 13



STAPLING HEAD A 20

Can be used for stapling and nailing



STAPLING HEAD C 13

Can be used for stapling and nailing with a special anvil



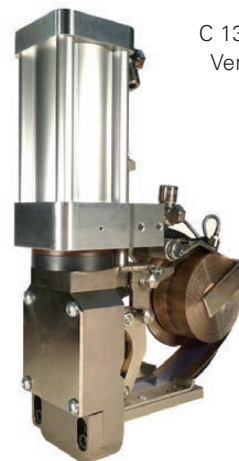
RANGES OF APPLICATION

Components of the automobile industry, wood products, cardboard industry, transport and logistics

A 20 right Version



C 13 left Version



APPLICATION RANGE

Complete pneumatic stapling or nailing units with an automatic feed travel for stationary installation into stapling devices and special purpose machines. Stapling and nailing in every position. The mounting can be performed using a centring bolt, or with threaded bore holes located

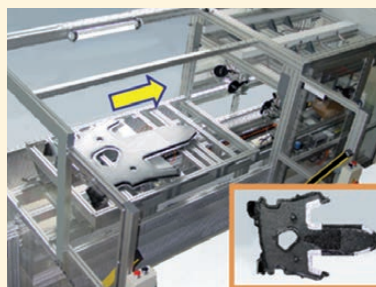
laterally on the bottom of the cylinder. Different stroke lengths/feed travels are available. The reloading time of a staple coil is less than one minute. Available as left and right version.



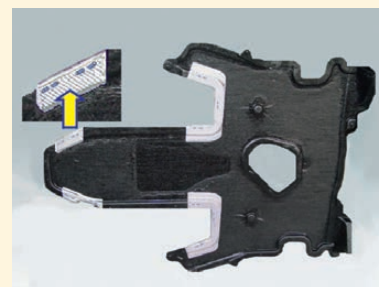
OPTIONAL SENSORS

The following sensors are available for an automated application:

- **Initial Position**
Query of the base position of the stapling head
- **Staple reserve**
Notification about the remaining of approx. 100 – 200 staples on the coil, reloading must be carried out soon
- **Staple ejection control**
Query whether a staple was discharged through the discharge channel
- **Coil staple end**
Message about the remaining of about 20 – 30 staples on the coil, with reloading immediately required



Fastening of plastic parts with aluminium sheets on the bottom of a vehicle (replaces rivets/screws)



Attachment of aluminium sheets onto plastic panels



Fully automatic attachment of a protective tarp onto pre-cut wood



Attachment of aluminium sheets onto plastic panels

A 20 + C 13

STAPLING HEADS FOR COILED STAPLES

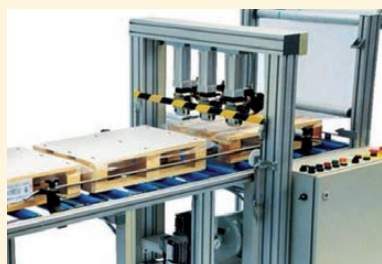
TYPE	A 20	C 13
Possible application	Stapling and nailing	Stapling and nailing
Operating pressure	4 – 6 bar	4 – 6 bar
Stroke/feed travel in mm	40/80 mm	25/80 mm
Weight with 25 mm or 40 mm (80 mm) feed travel in kg	7.3 (7.7)	5.2 (5.5)
Dimensions in mm L x W x H with 25 mm or 40 mm (80 mm) stroke in mm	270 x 106 x 329 (369)	215 x 75 x 298 (353)
Crown width in mm	20	13
Leg lengths in mm	7.5/11/20	6.5/8.5/11.5/14.5
Wire diameter/cross section in mm	1.5 x 0.8	1 x 0.75
Load capacity: (Number of staples)	5,000	5,000
Typical fastening materials	Wood, plastic, aluminium, stainless steel, felt, foil, textiles	Wood, plastic, aluminium, stainless steel, felt, foil, textiles



Fixing of acoustic capsules to plastic pipes



Stapling of blister packaging



Nailing of foil or cardboard onto wooden pallets



Labelling station: Nailing of labels onto wooden pallets



Stapled closure of cardboard tubes including insertion device

STAPLING HEADS FOR COILED STAPLES

B 36 + E 24



STAPLING HEAD B 36 + E 24

Can be used for stapling



RANGES OF APPLICATION

Stapling head B 36:
for the cardboard industry,
beverage industry (trays)

Stapling head E 24:
for shipping departments
of all industries

B 36 right
Version



E 24 left
Version



APPLICATION RANGE

Complete pneumatic stapling units with an automatic feed travel for the stationary installation into stapling devices and special purpose machines. Stapling in every position. The mounting can be performed using a centring bolt, or

with threaded bore holes located laterally on the bottom of the cylinder. Different stroke lengths/feed travels are available. The reloading time of a staple coil is less than one minute. Available as left and right version.

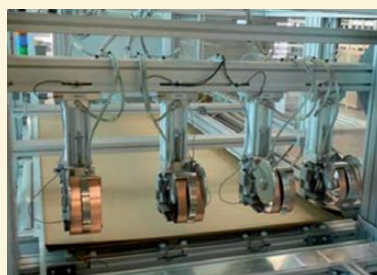


OPTIONAL SENSORS

The following sensors are available for an automated application:

- **Initial Position**
Query of the base position of the stapling head
- **Staple reserve**
Notification about the remaining of approx. 100 – 200 staples on the coil, reloading must be carried out soon
- **Staple ejection control**
Query whether a staple was discharged through the discharge channel
- **Coil staple end**
Message about the remaining of about 20 – 30 staples on the coil, with reloading immediately required

STAPLING HEAD B 36 APPLICATION RANGES



Preparation of cardboard blanks (oversized)



SHA stapling machine: automatic bottom tray and cover tray stapling



Stapling of PAL-box sleeves



Stapling of sleeves to ready-made PAL-box

B 36 + E 24

STAPLING HEADS FOR COILED STAPLES

TYPE	B 36	E 24
Possible application	Stapling	Stapling
Operating pressure	4 – 6 bar	4 – 6 bar
Stroke/feed travel in mm	40/80 mm	40/80 mm
Weight with 25 mm or 40 mm (80 mm) feed travel in kg	7.3 (7.7)	7.3 (7.7)
Dimensions in mm L x W x H with 25 mm or 40 mm (80 mm) stroke in mm	270 x 106 x 329 (369)	272 x 108 x 337 (377)
Crown width in mm	36	22/24/26
Leg lengths in mm	12/17/21	17/18/19
Wire diameter/cross section in mm	2 x 1	2 x 1
Load capacity: (Number of staples)	4,000	4,000
Typical fastening materials	mostly cardboard boxes	mostly cardboard boxes

STAPLING HEAD E 24 APPLICATION RANGES



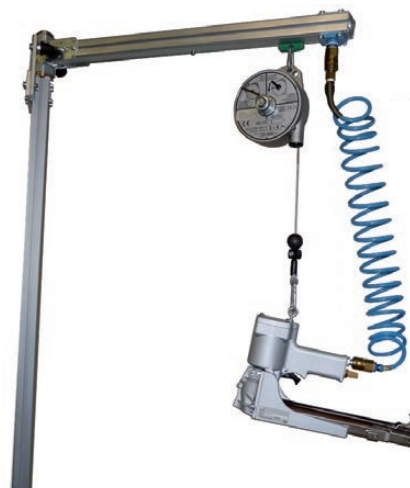
Examples of a carton sealing in various positions (top, bottom, side), ideally for a double corrugated cardboard box

ADVANTAGES STAPLING HEAD E 24

Just like the handheld stapler TOP SP, the blind stapling head E 24 offers the following advantages:

- Stapling **without counter-anvil** is possible
- **No additional stitching holes** next to the staple
- **No damaging** of the packaged goods, **no risk of injury**
- The staple is clinched **within the section of the under board** without penetrating completely through

ACCESSORIES



B 2/4, B 8/10

Balancer 2–4 kg, or 8–10 kg

DS 75

Spiral hose, extended length 7.5 m

SWIVEL ARM SYSTEMS

SCHWENK 07 T:

Swivel arm system for table mounting, length 0.7 m

SCHWENK 20 W:

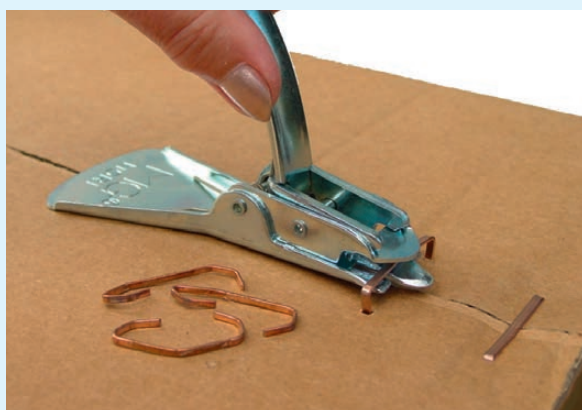
Swivel arm system for table mounting, length 2.0 m

SCHWENK 25 W:

Swivel arm system for wall mounting, length 2.5 m

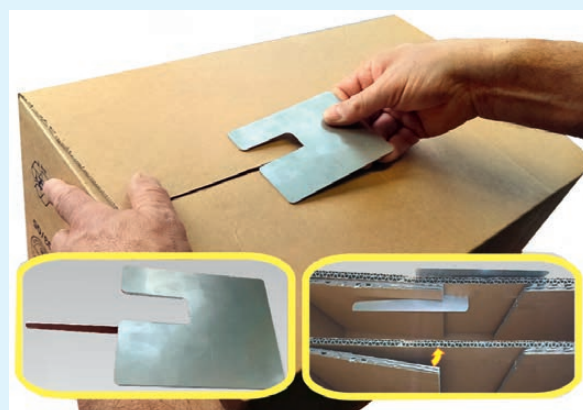
SCHWENK 30 W:

Swivel arm system for wall mounting, length 3.0 m



MORI STAPLE REMOVER

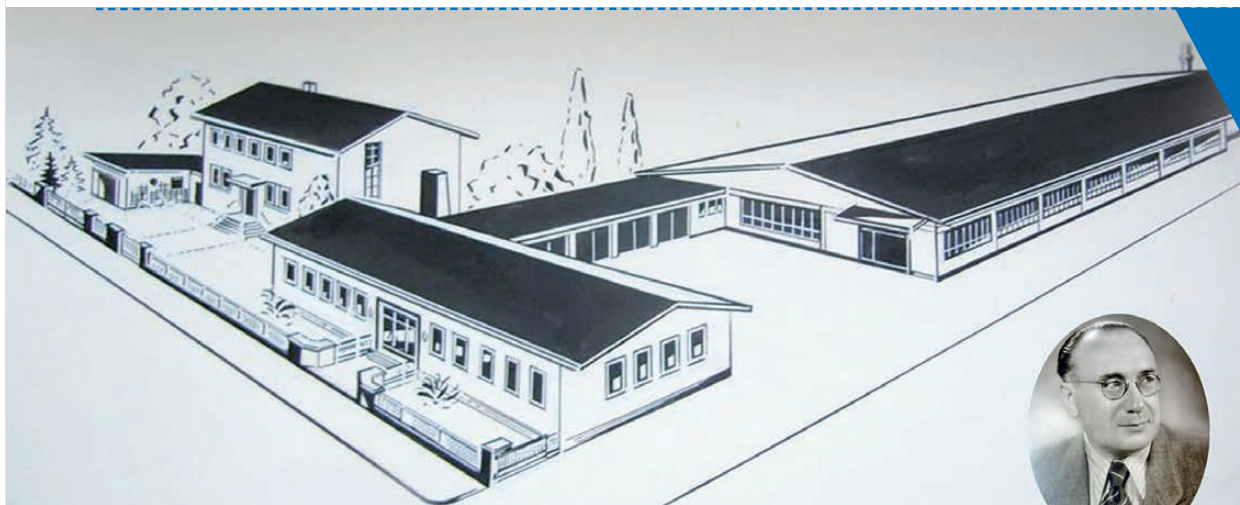
Cardboard boxes with the staples removed can be used again. The staple must be fully enclosed, before it can be pushed out through the leverage effect.



KLAPPFIX FLAP HOLDER

To hold down the bottom cardboard flap. With the help of the KLAPPFIX, it is possible to even accomplish a bottom closing with a top stapler. If there is no counter pressure from the contents, the KLAPPFIX will hold up the flap during stapling.

ABOUT US



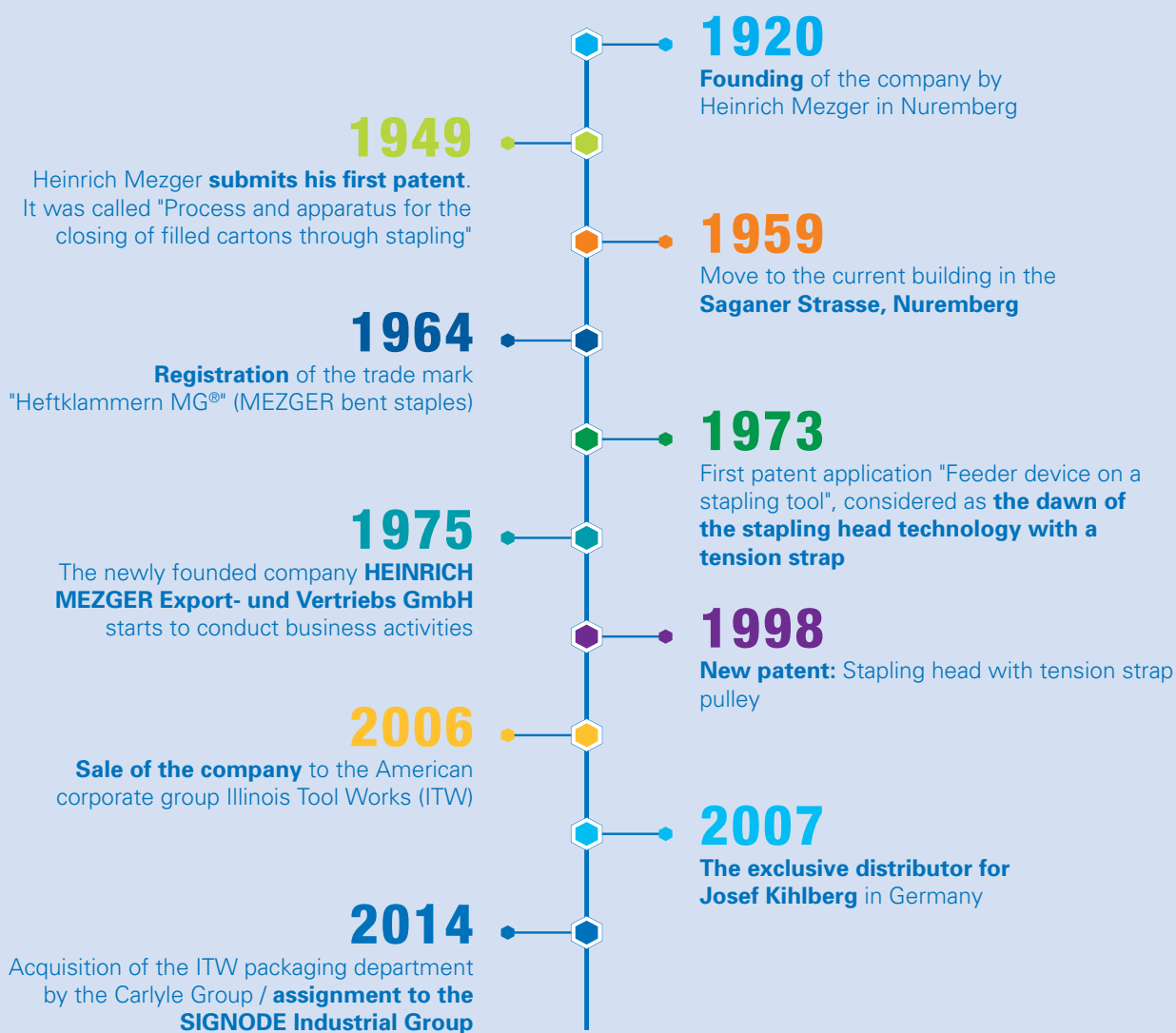
FOUNDING

1920

HEAD-

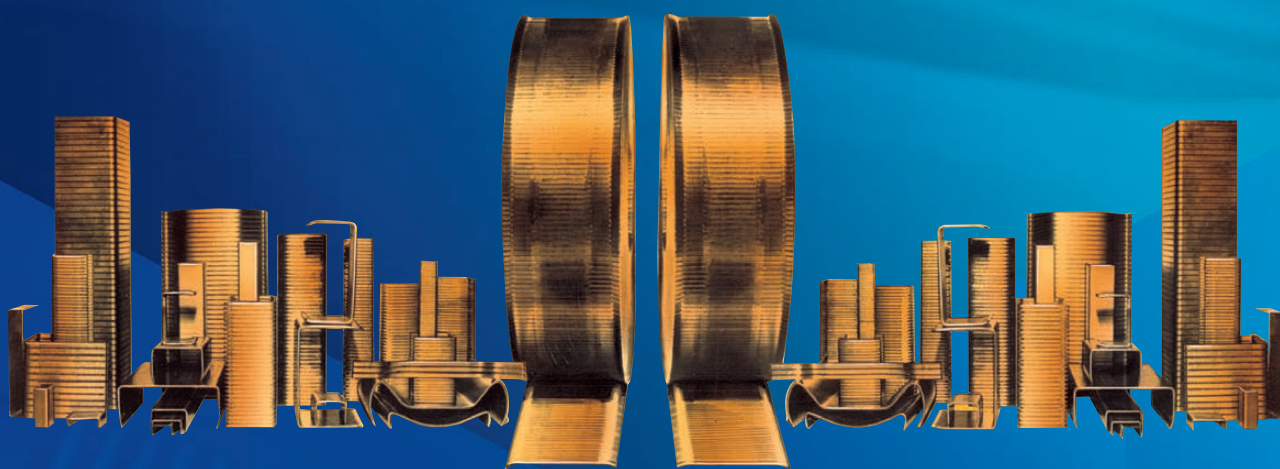
QUARTERS

Nuremberg





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08/2016

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