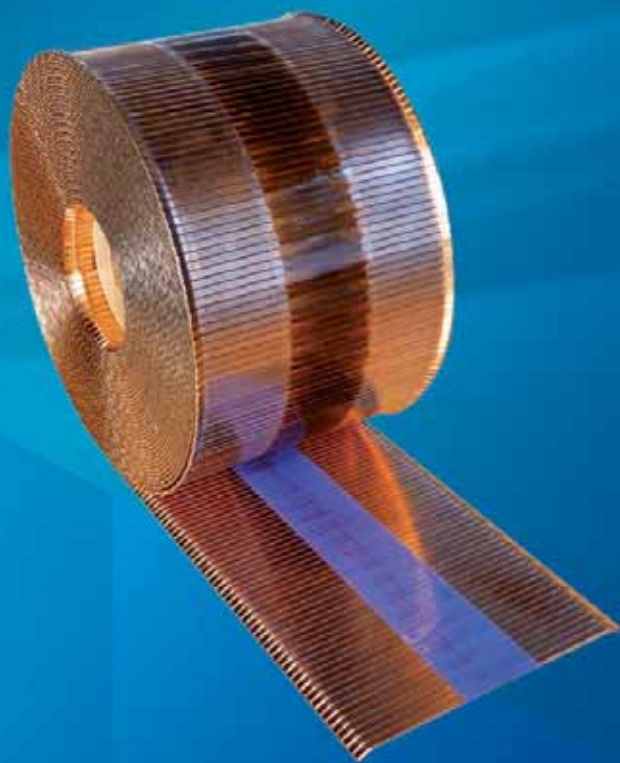


STAPLING SYSTEMS JOINING TECHNOLOGY

QUICK.

ECONOMICAL.

RELIABLE.



**YOUR
MATERIALS**

**YOUR
JOINING
REQUIREMENT**

**OUR
KNOW-HOW**

MG[®]
Heftsystem

**OUR
JOINING
TECHNOLOGY**

**OUR
STAPLING
SYSTEMS**

**OUR
NAILING
SYSTEMS**

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JOINING THE EASY WAY. FAST, RELIABLE AND ECONOMICAL.

MEZGER Heftsysteme GmbH 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 joining 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.

Individual solutions – our trademark

You should receive exactly the product you need. To ensure that, we will try to establish a close cooperation with you 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 and a customized technical solution – everything from a single source.

Quality makes us strong and reliable

MEZGER is a highly quality-conscious company. Our high-quality products have been appreciated by our customers for many years. Our value proposition is a guarantee for our success. We are continuously working to improve our products, and are thereby setting standards in the market (MG®/TOP series).

Our full service for you

Starting with the consulting provided by our staff which is been thoroughly trained for many years, our broad range of stapling solutions with nearly 100 different staple types, and even our own development and repair department, everything is geared to regard the customer requirements as a matter of the utmost importance. In the stapling field, smaller handheld devices are part of our range of **MEZGER products**, just like our fully automatic stapling machines.

Our export orientation distinguishes us

For many decades, **MEZGER** has been characterized by a strong export business. Our brand is a well-known term all over the world, and our products are in demand all over the world because of their unique features. A competent, multilingual customer service and support are the foundation of our international order processing.

ADVANTAGES OF STAPLING



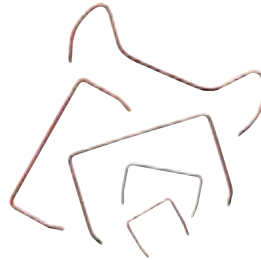
The anchor and safety lock **encompasses all layers firmly**

If the opening is performed properly it will enable a **reuse** of the carton

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

Quick and **economic** closing of cartons

The cartons are **dimensionally stable** and **better stackable**



resistance against temperature and weather influences

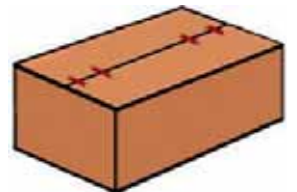
Allows the use of **thinner, low-cost carton quality**

Environmental compatibility

Trouble-free removal of staples for the recycled paper processing

Commercial labelling on the cartons remains **intact**

The best **consulting**, a fast **delivery of materials**, a reliable **maintenance** and a flawless **service**



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

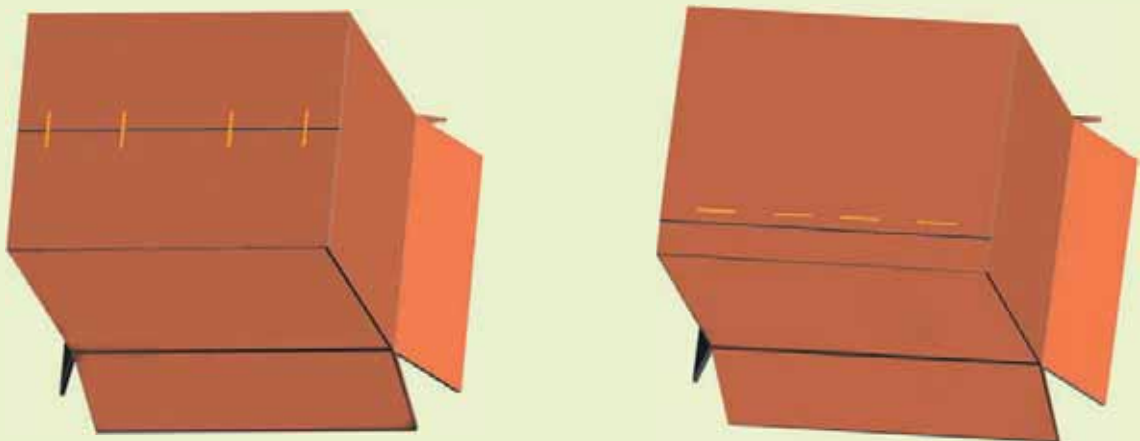
Staples produce a significantly reduced amount of waste compared with other bonding alternatives, for example, if adhesive tape is used. Through the possible reuse of the stapled materials (for example, cardboard) you will produce far less waste volume and thus protect the environment.

BOTTOM STAPLING MACHINES

- ✔ Suitable for folding cartons with touching and overlapping flaps
- ✔ Suitable for solid and corrugated board
- ✔ Stable bottom closure as a basis for a heavy filling

BEFORE FILLING YOUR BOXES, YOU WILL CREATE A STABLE CLOSURE OF THE BOTTOM.

In the classical case this usually means a closing of folding boxes made of solid or corrugated cardboard. Overlapping boxes can also be adequately stapled with **MEZGER devices**. A stapling is always performed from the outer edge of the boxes towards the centre. The outer flaps must be connected with those in the interior. Two staples on the edge areas are sufficient for a medium-sized carton.



PERFECTA L 323 AND PEL 323

BOTTOM STAPLING MACHINES



WEIGHT
43 kg / 55 kg



MECHANICAL & PNEUMATIC



STAPLE SIZE

Back 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 practical carton guide stopper, 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 work 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
Device dimensions (length x width x height)	700 x 960 x 1260 mm	630 x 910 x 1250 mm
Weight	43 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 size (length x width x height)	100 x 68 x 70 cm	100 x 67 x 85 cm
Air pressure	–	4 – 6 bar
Air consumption per stapling process at 6 bar	–	approx. 4 NL



Twin-head



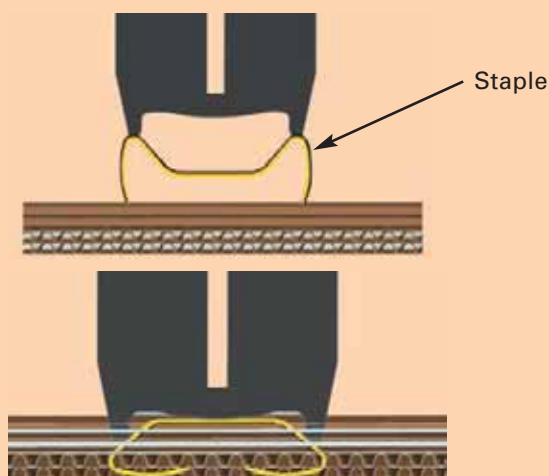
TOP STAPLERS

- ✓ Suitable for folding cartons with touching and overlapping flaps after they are filled
- ✓ Distinction between penetrating stapling with clinchers and blind stapling without clinchers
- ✓ Pneumatic devices can be suspended at the work height by using a balancer

AFTER FILLING YOUR CARTONS THE COVER MUST BE CLOSED.

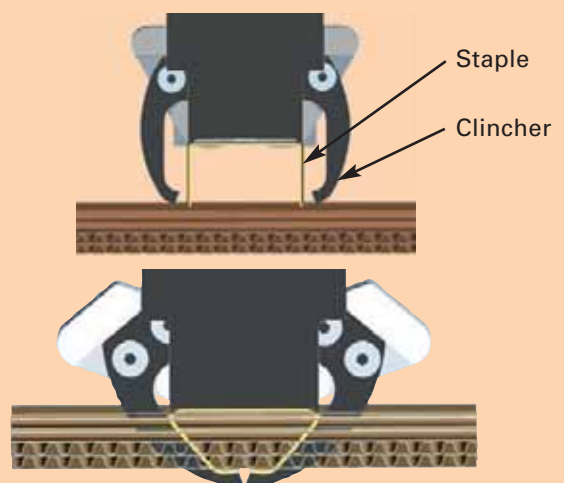
Here, we fundamentally distinguish between two types of sealing technologies (see illustrations). As with the bottom stapling, the outer flaps must be connected with those in the interior. For this, at least two staples must be applied in the edge areas of the carton.

BLIND STAPLING TOP



- Staple is pre-bent
- Staple bends over by itself (without clincher) ideally in 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 clinchers
- Integrated in almost all top stapling devices

TOP SP EH AND TOP SP P

TOP STAPLERS



WEIGHT
2.4 kg / 2.9 kg



MECHANICAL & PNEUMATIC



STAPLE SIZE

Back 35 mm
Legs 11 – 18 mm
Wire diameter
1.0 x 2.0 mm



CAPACITY

120 staples



APPLICATION RANGE

Closing of cartons made of corrugated cardboard with touching and overlapping flaps with blind stapling. No damaging of the material to be stapled is possible. Suitable for single and double-corrugated cardboard. The MEZGER blind stapling does not create any extra penetration holes in the material to be stapled in addition to those of the staple.

TECHNICAL DATA

Mechanical or pneumatic stapling devices for the TOP staple series, leg length 11-18 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	11, 18 mm	11, 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 AND 22 / 22 P



WEIGHT
1.74 kg / 1.98 kg /
2.16 kg



MECHANICAL & PNEUMATIC



STAPLE SIZE
Back 35 mm
Leg 15 – 22 mm
Wire diameter
0.9 x 2.3 mm



CAPACITY
100 staples



APPLICATION RANGE

Closing of cartons made of corrugated cardboard with touching and overlapping flaps using bending clinchers. 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 stapling devices for staple series B 5/8, B 3/4 und B 7/8, leg length 15-22 mm. The devices are soundproofed and have an automatic clincher return.

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 295 x 115 mm	380 x 295 x 115 mm	340 x 225 x 115 mm	340 x 225 x 115 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

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



CAPACITY

1,000 staples



APPLICATION RANGE

Economic closing of cartons made of corrugated cardboard with touching and overlapping flaps using bending clinchers. Suitable for single and double-corrugated cardboard. The penetration depth of the staple is adjustable.

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

TECHNICAL DATA

Pneumatic stapling device for staple type CR 1/34, leg length 18 mm, soundproofed including an automatic clincher return, bending clinchers specially hardened, which increases the service life.



YOUR ADVANTAGES

- Long durability with a very rugged housing
- Lightning-fast clincher return: up to 20 staple cycles/minute
- 1,000 staples per roll: up to 10 times less reloading than with traditional staplers

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



TOP STAPLERS

MERO 18 P AND 22 P



WEIGHT
2.37 kg



PNEUMATIC



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



CAPACITY
1,000 staples



APPLICATION RANGE

Economic closing of cartons made of corrugated cardboard with touching and overlapping flaps using bending clinchers. 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. Depending on the quality of the cardboard, roll-staples with two different leg lengths can be processed in the same device.

TECHNICAL DATA

Pneumatic stapling devices for staple series R 1/58, R 1/34 and R 1/78, leg length 15–22 mm, devices are soundproofed, and include an automatic clincher return, 1,000 staples per roll.

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 AND 38

TOP STAPLERS



WEIGHT
8 kg



PNEUMATIC



STAPLE SIZE
Back 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 touching and overlapping flaps using bending clinchers. 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, and include an automatic clincher return.

RECOMMENDATION

Use a balancer in combination with a swivel arm system, and an appropriate spiral hose so that you will also enable a convenient manner of working!

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

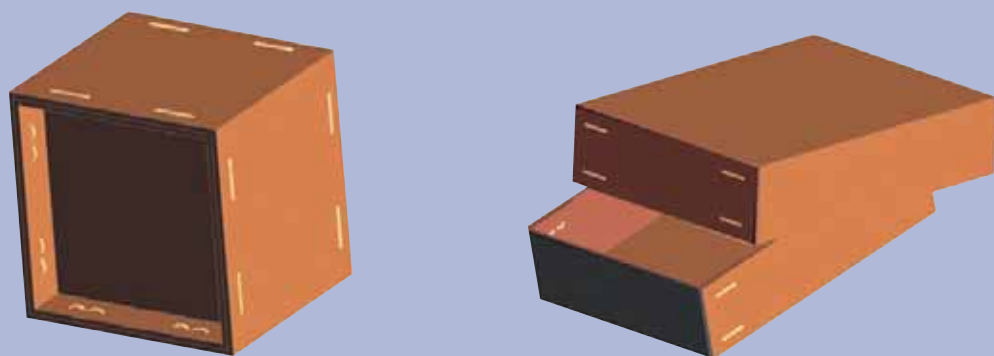


INDUSTRIAL PLIER STAPLER

- ✓ Plier staplers are universally applicable for a highly diverse range of materials
- ✓ A broad variety of miniature staples up to massive broad-wire staples
- ✓ Insertion depth and utilization frequency as the essential selection criteria

OUR PLIER STAPLERS ARE UNIVERSALLY DEPLOYABLE STAPLING DEVICES, WHICH ARE ABLE TO FULFIL A BROAD VARIETY OF TASKS.

Ranging from classic telescoping applications, the fixing of insertion covers, and all the way up to joining processes where unusual materials are bonded to each other. When selecting the plier stapler, in addition to the frequency of use (number of stapling cycles) also particularly observe the insertion depth of the plier stapler, because it largely determines where the staples can be placed.



ZANGE 31 AND 31/4

INDUSTRIAL PLIER STAPLER



WEIGHT
480 g



MECHANICAL



STAPLE SIZE

Back 11.3 mm
Legs 8 - 12 mm
Wire diameter
0.5 x 1.3 mm



CAPACITY

50 staples



APPLICATION RANGE

The nickel-plated plier staplers with a rear loading system are suitable for the stapling of corrugated and regular 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

Mechanical and stable staplers, for the staple series 73, leg length 8-12 mm, for the stapling of up to 10 mm thick material.

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
Insertion depth	65 mm	65 mm
Insertion opening	14 mm	14 mm



INDUSTRIAL PLIER STAPLER

130/1916 AND 130/1916 P



WEIGHT

1.6 kg / 2.1 kg



MECHANICAL & PNEUMATIC



STAPLE SIZE

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



CAPACITY

100 (250*)
staples



APPLICATION RANGE

Universal stapling device for stapling cardboard blanks, telescope cartons, carton trays, insertion covers etc., which is suitable for solid, single and double corrugated cardboard. The stapling is particularly stable, because the staple legs overlap each other on the rear of the cardboard. Three different staple lengths can be used without modification.

TECHNICAL DATA

Mechanical or pneumatic stapling devices for the MG[®] 130 staple series, leg length 10 – 16 mm.

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*)
Insertion depth	190 mm	190 mm
Insertion opening	approx. 17 mm	approx. 17 mm
Air pressure	–	4 – 6 bar
Air consumption per stapling process at 6 bar	–	approx. 0.4 NL



OPTIONS

- XL magazine* with 250 staples capacity
- Reversed triggering lever, so that working with the insertion opening facing downwards will be possible
- Triggering with a foot valve, if the device is mounted in a fixed position, so that both hands are free



Z 200 ZH16

INDUSTRIAL PLIER STAPLER



WEIGHT
4 kg



PNEUMATIC



STAPLE SIZE
Back 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 device, which is balanced according to ergonomic aspects, enables a rapid, time-saving and easy handling of the device. The plier stapler is equipped with a silencer. The staple opening can be set according to the thickness of the packaged material.

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.

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
Insertion depth	240 mm
Insertion opening	ca. 32 mm
Air pressure	5 – 7 bar
Air consumption per stapling process at 6 bar	1.7 NL



TIP

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

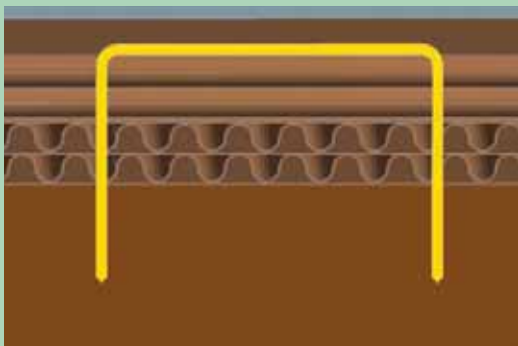


NAILING MACHINES

- ✓ Nailing machines for attaching various materials to wood
- ✓ Small devices and large-scale models are available depending on the application
- ✓ A nailing as well as a stapling is possible with the long handle stapler STA 500

WITH NAILING MACHINES YOUR BASE MATERIAL CAN BE FIRMLY ATTACHED TO WOOD.

Classically cardboard structures are mounted onto wooden pallets, or the task involves 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 AND RAPID 34

NAILING MACHINES



WEIGHT

960 g / 870 g



MECHANICAL



STAPLE SIZE

Back 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 stapler are suitable for nailing thin materials such as cardboard, 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, 2 adjustable stroke power settings, high stroke power, kickback-free

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 MACHINES

STA 500



WEIGHT

3.3 kg



MECHANICAL

STAPLE SIZE

Back 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 device without any conversions. The application purpose of the device can be specified with the currently used staple type (straight or bent). 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 and highly 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 stapling and nailing device for series 300 and 500 staples, 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 MACHINES



WEIGHT
2.2 kg



PNEUMATIC



STAPLE SIZE

Back 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 distribution of the nailing machine enables an easy, fast and accurate work performance. The device is equipped with a sound suppressor. The very robust galvanised staples offer a particularly high degree of connection strength.

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

POGOSTICK

The nailing machine can be optionally equipped with a handle extension. With the POGOSTICK, the stapling device 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

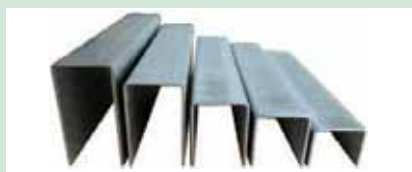


TABLE STAPLER

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

DO YOU PRIMARILY JOIN THINNER, SMALLER GOODS TO BE STAPLED IN HIGH VOLUME? THEN A SERIES TH 210 TABLE 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

TABLE STAPLER



WEIGHT
5.8 kg



PNEUMATIC



STAPLE SIZE

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



CAPACITY

210 staples



APPLICATION RANGE

TH 210 table stapling devices are used for stapling thin cardboard (cardboard headers or cardboard tabs) onto plastic bags, paper bags or blister packaging. Standardly, the table 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 staple 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 roll-staple stapling head technology, which will provide you with up to 5,000 staples per roll. The stapling devices can be tailored to your specifications. Through the flexible stapling head options, we can provide you with a broad range of 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



ROLL-STAPLE STAPLING HEADS 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 JOINING 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.

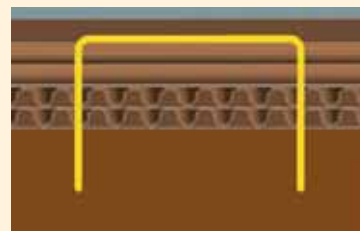
STAPLING HEADS – THREE USAGE OPTIONS:



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 path and staple must be appropriately set for the material to be stapled.



Nailing (type A 20, C 13): Staples are pressed through the material to be nailed into the wood, and not shot!

ROLL-STAPLE STAPLING HEAD

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 movement for the stationary use in stapling devices and special purpose machines. Stapling and nailing in every position. The mounting can be performed using a

centring pin, or with threaded bore holes located laterally on the bottom of the cylinder. Different stroke lengths/feed paths are available. The reload time of a staple roll is less than one minute. There is a left and right version available.



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 roll, reloading must be carried out soon
- **Staple ejection control**
Query whether a staple was discharged through the discharge channel
- **Staple end**
Message about the remainder of about 20 – 30 staples on the roll, with reloading immediately required



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



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



Attachment of aluminium sheets onto plastic panels

A 20 + C 13

ROLL-STAPLE STAPLING HEAD

TYPE	A 20	C 13
Possible application	Stapling and nailing	Stapling and nailing
Operating pressure	4 – 6 bar	4 – 6 bar
Stroke/feed path in mm	40/80 mm	25/80 mm
Weight with 25 mm or 40 mm (80 mm) stroke 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)
Back 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 joining 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

ROLL-STAPLE STAPLING HEAD

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 movement for the stationary use in stapling devices and special purpose machines. Stapling in every position. The mounting can be performed using a centring pin, or with

threaded bore holes located laterally on the bottom of the cylinder. Different stroke lengths/feed paths are available. The reload time of a staple roll is less than one minute. There is a left and right version available.



OPTIONAL SENSORS

The following sensors are available for an automated application:

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Notification about the remaining of approx. 100-200 staples on the roll, reloading must be carried out soon
- **Staple ejection control**
Query whether a staple was discharged through the discharge channel
- **Staple end**
Message about the remainder of about 20 – 30 staples on the roll, 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

ROLL-STAPLE STAPLING HEAD

TYPE	B 36	E 24
Possible application	Stapling	Stapling
Operating pressure	4 – 6 bar	4 – 6 bar
Stroke/feed path in mm	40/80 mm	40/80 mm
Weight with 25 mm or 40 mm (80 mm) stroke 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)
Back 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 joining materials	mostly cardboard boxes	mostly cardboard boxes

STAPLING HEAD E 24 APPLICATION RANGES



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 puncture holes** in addition to the staple
- **No damaging** of the packaged goods, **no risk of injury**
- The blind staple will ideally bend itself **within the lowest cardboard layer** without puncturing it

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

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

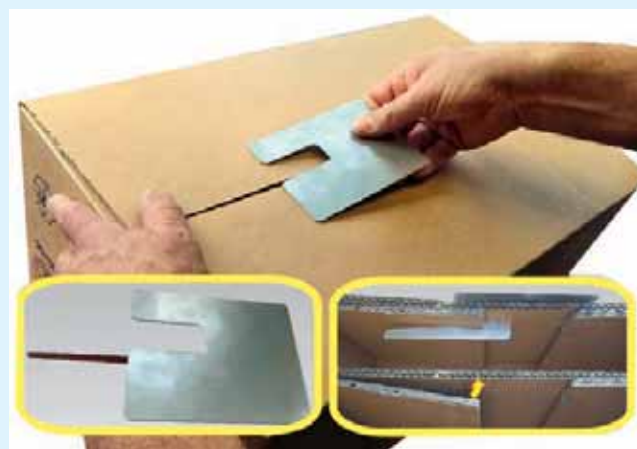
SCHWENK 30 W:

Swivel arm system for wall mounting, length 3.0 m



MORI STAPLE REMOVER

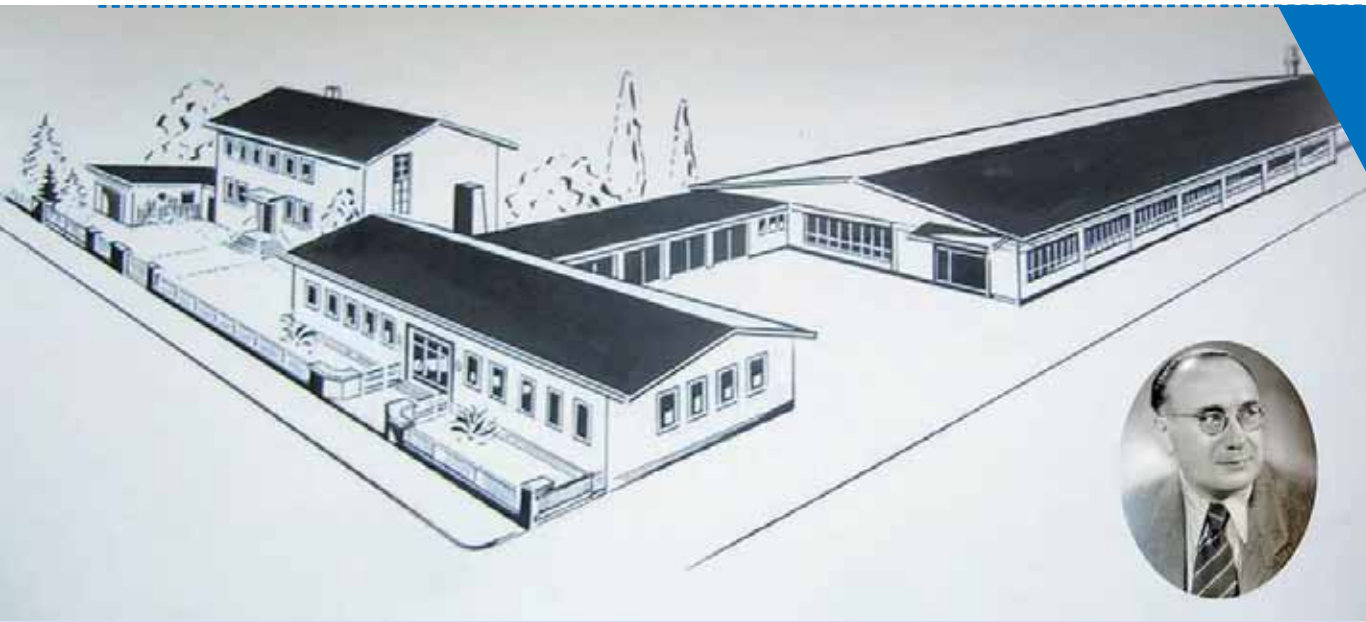
Cardboard boxes with the staples removed can be used again. The staple must be fully enclosed, before it can be pushed out through the leverage effect.



KLAPPFIX FLAP HOLDER

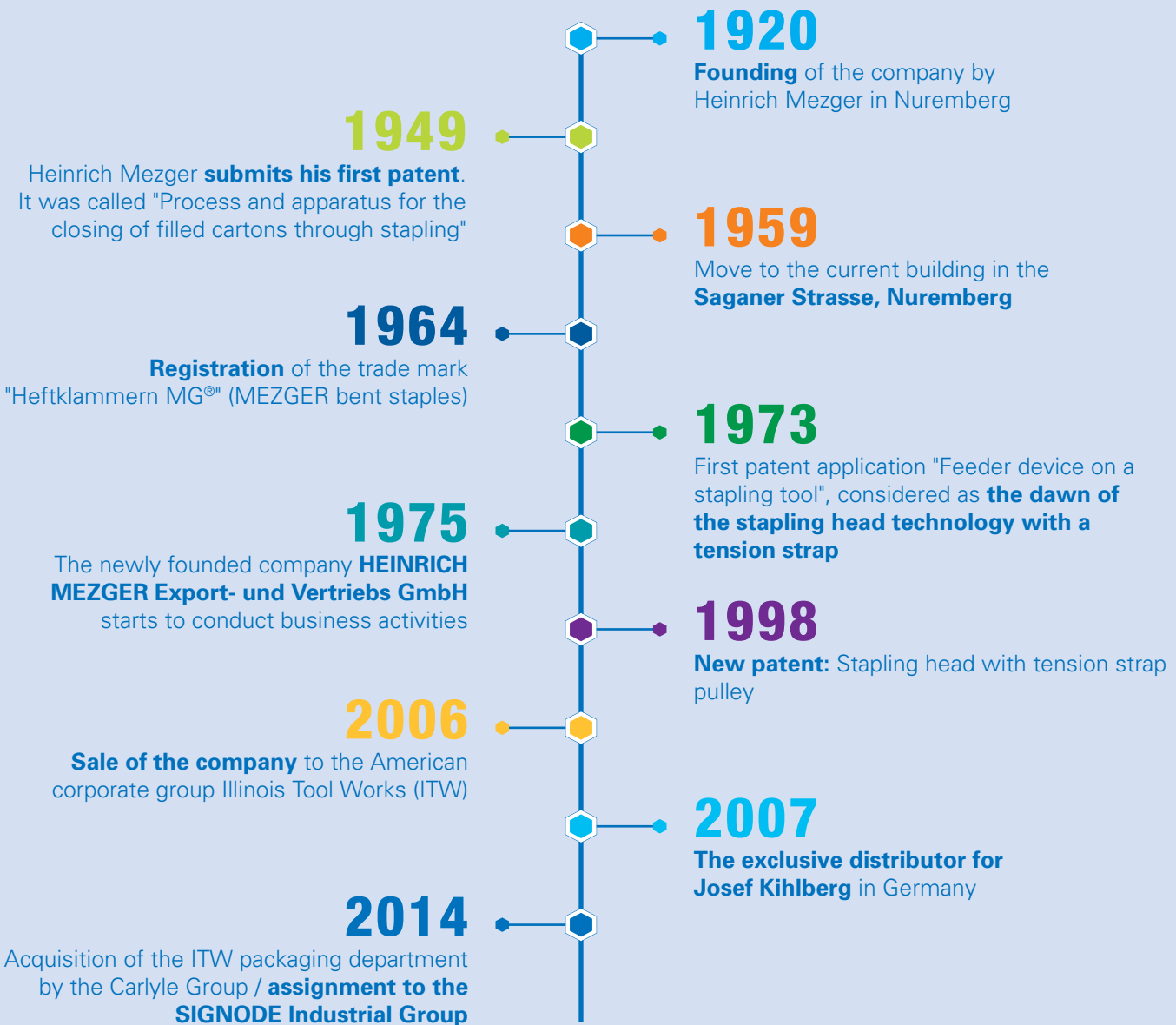
To hold down the bottom cardboard flap. With the help of the KLAPPFIX, it is possible to even accomplish a bottom closing with a top stapler. If there is no back pressure, the KLAPPFIX will hold up the flap to be stapled.

ABOUT US



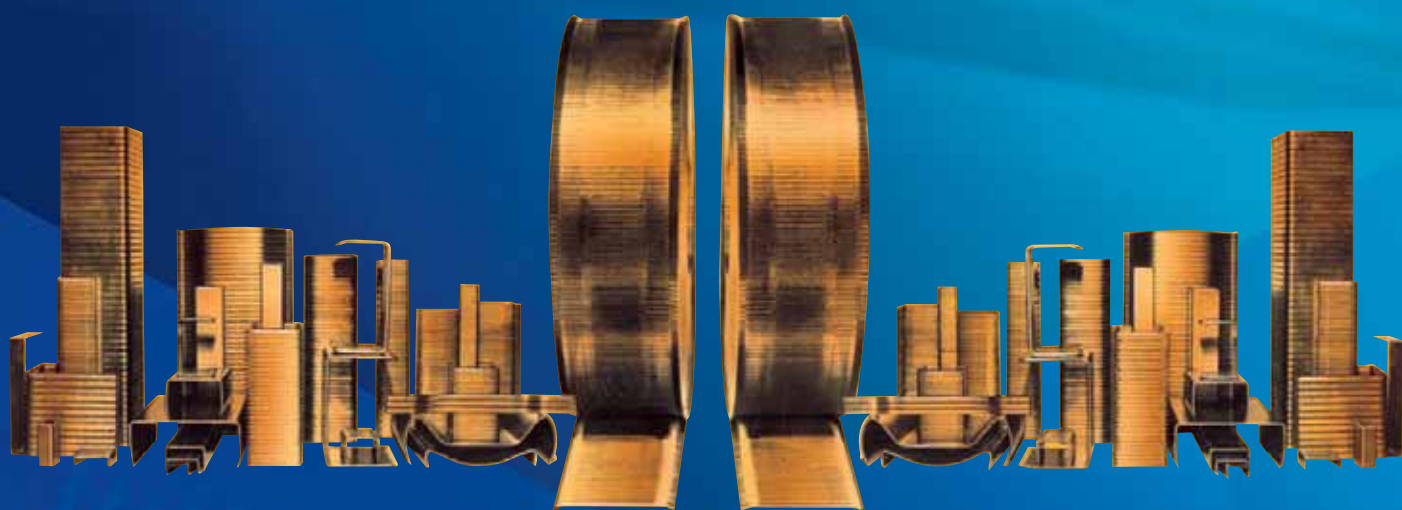
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