



MEZGER Heftsysteme GmbH

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Stapling Heads MG® Stapling System

INFO 816

MG® Stapling Heads work coiled staples with pre-bent leg points (=MG® Stapling System).

The advantage is that the bent staple legs are clinched flat and properly on any smooth and hard support. No need of semicircular bending grooves which are necessary for common staples and which have to be adopted exactly to the staple outlet.

Blind stapling is also possible with the **MG® Stapling System** which means that the staple legs clinch within the corrugated section of the under board.

A simple groove of about 5 mm width and 1 - 2 mm depth has only the task to make space for the staple legs so they can clinch outside the cardboard properly.

Penetrating stitch: The staple legs lie flat and the tips are bent back into the cardboard. This means a still better stitching quality as well as safety for people and contents.

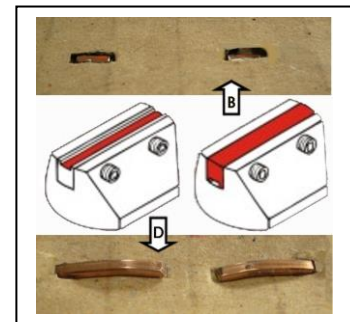
Nailing: with Stapling Heads A – D:

The stapling heads for coiled staples can also be used for nailing. Instead of being clinched on a hardened stapling groove the staple will be pressed into soft material (hardwood or softwood, plastic, pressboard etc.) and just cramped Coiled staples with straight legs of steel wire are being offered for this purpose. In contrast to common fasteners (tackers, nailing staplers) the staple will not be shot into the material but pressed which means that the material will not be damaged (i.e. foil, paper, carton etc.).

Coiled Staples with 4000, 5000 resp. 7500 pieces to a coil.
Reloading within 1 minute.



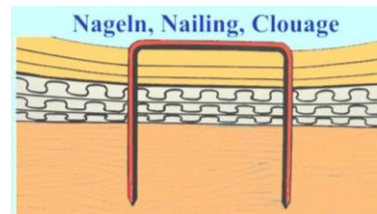
Blind Stapling



Penetrating Stitch



Nageln, Nailing, Clouage



1 - 13 :
Practical
Applications

V = Video animation see www.mezger.eu



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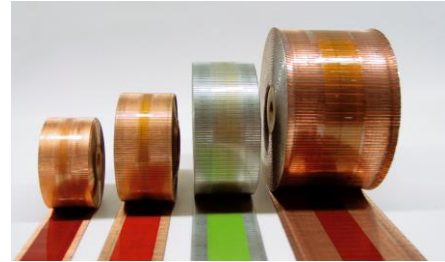
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Stapling Heads
MG® Stapling
System

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The stapling heads are bending pieces of wire (4.000 - 7.500 pcs. per coil), which are wound on coils, to U formed staples. These stapling heads can be used for stapling, e.g. corrugated cardboard and other material, or for nailing these materials on wood, e.g. wooden pallets.



Our special system uses only one pneumatic cylinder and piston for the feeding travel and the stapling. The following feeding travels are available: Model A + B: up to 40 mm, C + D: up to 25 mm. Feed travel up to 80 mm available as optional extra.

During feeding travel only the lower part which provides the actual stapling operation of the stapling head is moving and not the whole stapling head.

The cylinder with the air connections is not moved.

The stapling head is mounted either by means of the threaded bolt (M 16) which is provided central with respect to the staple outlet or by means of the threaded bores in the bottom of the cylinder.



right version

left version

It is guaranteed in each mounting position that during pressurizing the cylinder (air pressure 4 – 6 bar) only the movable part of the stapling head begins the feed travel down to the material to be stapled and presses it only slightly. With the same piston movement the staple will be pressed into the material and clinched (stapling) or just cramped (nailing).

After the staple has left the movable part of the stapling head the piston compresses the staple with full pressure into the material. No additional control is required for the stapling heads as by any normal double effective pneumatic cylinder with 63 mm diameter and 40, resp. 80 mm feed travel. So for instance one single 4/2-/resp. 5/3-directional control valve can effect the feeding as well as the reset of the movable part of the stapling.

