



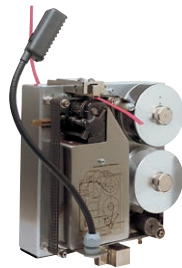
# CLOSURES

Version: 04.2023

## Accessories Closure

### Optional: Printing unit „HPD“

Hot foil printer „HPD“ for labelling plastic clip tape.



### Double receptacle roller for closure band

Closure band receiving roller for feeding the closures into the machine.



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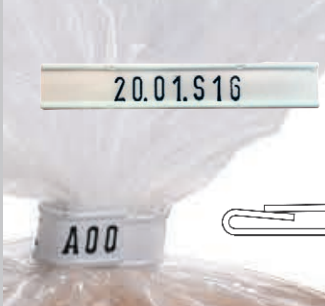


- › Clip
- › Clip without wires
- › Kwik-Lok® J-NRP
- › Schutte® Clipps
- › Kwik-Lok® Fibre
- › Kwik-Lok® ENGINEERED FIBRE
- › Schutte® Clipps (cardboard)
- › KLR® CLIP - 34 - ECO
- › Tape
- › Wrapclosure
- › Sealing



Closing systems

HARTMANN-machines process a wide range of different closures. Depending on the machine type and series, the closure system can be supplied for for a specific type of bag closure.




**Clip – the allrounder**

A strip cut from the roll directly in the closing mechanism and bent around the neck of the bag. Good for use with PE bags, PP bags and paper bags. Various bag widths can be closed with the clip. Printing on the clip closure is possible.

**Clip without wires**

A further development of the conventional clip without metal wires.



**Bag closure / card closure**

The card closure is available in a variety of sizes and materials from different manufacturers. The lock consists of a small plate on a roll which is fed into the locking device.

**Kwik-Lok® Type J-NRP / Schutte® Clipps** are widely used plastic card closures.


**Plastic-free card closures** are environmentally friendly, but have their limits in strength and elasticity. As a result from current experiments, bag sizes are limited to ~260 mm width with 30 µm foil thickness.



**Kwik-Lok® Fibre Lok**


Closure made of 100% natural cellulose. Complies with European sustainability standards.






**Cardboard**


Compostable closures made of paperlike material.





**Tape - Closure**

An adhesive strip is taped around the neck of the bag. Visually, the closure reminds one of a clip.


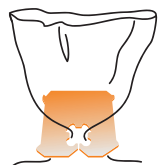
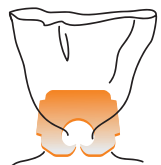
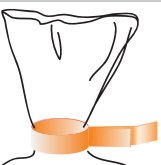
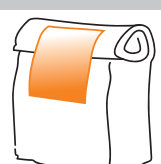



**Wrap Close®**

With the Wrap Close, paper but also plastic bags can be closed. The bag is automatically wrapped on the opening side and secured and closed with a label.

Overview closure types

- Legend:
- possible without restriction
  - ◐ possible with restriction
  - only conditionally possible
  - ✗ not possible
  - not applicable / no information

|              |   | Plastic bag  | Paper bag | Bag size > (30 µm ~ 260 mm) | printable | reclosable | detectable | internal quality closure * 1 | additionally sealable * 2 | compostable | mono material |
|--------------|---|--|-----------|-----------------------------|-----------|------------|------------|------------------------------|---------------------------|-------------|---------------|
| Clip         |    | ●  | ●         | ●                           | ●         | ●          | ●          | ✗                            | ●                         | ✗           | ✗             |
|              | Clip without wires  | ◐  | ✗         | ✗                           | ●         | ◐          | —          | ✗                            | ●                         | —           | ●             |
| Card closure |   | ●  | ✗         | ●                           | ●         | ●          | —          | ✗                            | ●                         | ✗           | ●             |
|              | Kwik-Lok® Fibre   | ●  | ✗         | ◐                           | ●         | ●          | —          | ✗                            | ●                         | ●           | ●             |
|              | Kwik-Lok® ENGINEERED FIBRE  | ●  | ✗         | ○                           | ●         | ●          | —          | ✗                            | ●                         | ●           | ●             |
|              |  | ●  | ✗         | ◐                           | ●         | ●          | —          | ✗                            | ●                         | ●           | ●             |
|              | KLR® CLIP - 34 - ECO  | ●  | ✗         | ○                           | ●         | ●          | —          | ✗                            | ●                         | ●           | ●             |
| Gluing       |  | ●  | ○         | ●                           | ●         | ●          | —          | ◐                            | ◐                         | ○           | ●             |
|              |  | ◐  | ●         | ●                           | ●         | ○          | ✗          | ◐                            | ✗                         | ◐           | ●             |
| Sealing      |  | ●  | ○         | ●                           | ✗         | ✗          | ✗          | ●                            | —                         | —           | —             |
|              | Sealing   | For closing, the filled bags can be sealed, or a sealing of the frill can be made in addition to the conventional closing. |           |                             |           |            |            |                              |                           |             |               |

\* 1: The quality closure is included by the closure type. \*2: The bag can be additionally sealed for closure.