

Multipoint lock: AS 3500

We are pleased to present our new KFV AS 3500 automatic multipoint lock.



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Appendices:

- Part numbers
AS 3500
Automated latch release
Magnetic trigger
T3 door security lock

Product description and advantages

The new AS 3500 is an automatic multipoint lock in which two hooks which are triggered using magnet technology. The hooks extend out from the faceplate by 20 mm when locked (locked into position using back pressure) and hooks lock in the upwards position. This ensures that the lock function is correct even if the door is warped.

The range of mounting tolerance (air-gap between face plate and striker plate tolerance is 2 and 6 mm) and height tolerance (+2/-4 mm) corresponds to the AS 2600.

The hooks are only triggered when the patented magnetic trigger is opposite the face plate. The trigger compensates for any air-gap tolerance on its own. This is aided by the extensive range of the Q adjustment (+/-2.5 mm). Only KFV provides this range of adjustment.

Thanks' to its magnetic trigger technology, the AS 3500 is the only automatic lock without additional release latches. This technology, used in combination with the soft-lock latches in the centre lock, creates a pleasant sound when the lock is closed.



The triggering magnets are available for purchase separately and can be clipped into any frame part with Q adjustment. This means that frame parts with Q adjustment (recognised by the grey backing) are required for the AS 3500.

As a general rule the AS 3500 is equipped with a face plate made of high-quality stainless steel. Optional steel (galvanised or zinc coated) or stainless steel frame parts (both with Q adjustment) can be used.

Clear and simple: One frame part for all multipoint locks – the magnetic triggers for the AS 3500 are simply clipped into the profile.

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The AS 3500 follows these basic principles:

Standard routing for different multipoint locks - no special frame parts, the frame parts with Q adjustment can be used with the AS 3500 as well as with all types of multipoint locks with bolts, hooks (6 mm/8 mm) or a combination of bolts and hooks:

- Lever-operated MPL (AS 4300, AS 4900)
- Key-operated gear MPL (AS 2300, 2500 and 2600)
- Automatic MPL (AS 3500)
- Three-latch MPL (AS 2750)
- Panic MPL (900 series)

The wide range of options available for a single frame part design is a defining characteristic of KFV. With the routing diagram of the AS 3500, you can use all of the above multipoint locks with a particular dimensional variant (e.g. B001). This enables you to upgrade the door at any time. See the AS 3500 assembly instructions for the routing diagram.



The AS 3500 is usually equipped with additional locks with the centre lock secured by screws, the connection for the main and auxiliary locks are designed with distance holders to ensure free movement of the drive rods so operation is not compromised, even when the fixing screws are tightened.

Soft-lock latches (standard or 2 mm offset) are integrated in the main lock as standard, thanks to the standard soft-lock latches and magnetic triggering technology, the AS 3500 does not require maintenance. There is no need to lubricate the latch.

The latch adjustment mechanism is new, requiring the insertion of a screwdriver at the side (see assembly instructions). The latch can then be removed completely and pushed back in place until an audible "click" is heard. It is no longer necessary to loosen screws in order to adjust the latch.

The AS 3500 is compatible with the WK 2 standard, a WK 3 version is in development.

Highly detailed: Maintenance-free soft-lock latches as standard - no lubrication required

Modular structure and accessories:

The AS 3500 has many functions and a modular design.

The following options can be added to each AS 3500 unit:

- 1.) **Automated latch release** (motorised unlocking)
- 2.) **T3 door security lock** or
- 3.) **Daytime unlocking mechanism**



Modular: System can be fitted with a T3 door security lock or daytime unlocking mechanism at any time – no need to store extra parts

1.) Automated latch release:



Each AS 3500 can be upgraded to an electromechanical multipoint lock using an automated latch release (available for purchase separately).

Operation: Mechanical locking, electromechanical unlocking. The motor is fixed with three screws (included). If the motor is not installed, the screw holes are covered by three normal fixing screws (8 mm countersunk).

The automated latch release motor is available in two designs:

- **Type A**, enables connection to an intercom system or access control system. (These connection options correspond to Genius type A).
- **Type F**, connection options as for type A with additional control for the KFV fingerprint integrated in the motor – no separate control required.

Cable transfers and accessories from the well-known KFV Genius programme are compatible, assembly and connections are similar. Neither KFV automated latch release requires a reed contact and no magnet is required on the frame side.

Flexible: The automated latch release motor can be retrofitted on AS 3500 units

2.) T3 door security lock

It is possible to upgrade all AS 3500 units by installing a T3 box (available for purchase separately) with a C dimension of 605 mm or more (e.g. B298, B001, B003, B041, B166, B253).

The T3 door security lock is operated from inside using the turn pad/handle (it is not possible to unlock it using the main lock).



Well designed: The integrated T3 door security lock – no more scratches from unattractive door chains



The T3 door security lock is available for all standard backset on the AS 3500 (from 35 to 80 mm). In this way, the handle and the turn pad/handle for the door security lock are arranged on a visual axis. The metric fixing screws (countersunk, 8 mm) are provided with the door arrester.

Variable: The T3 door security lock can be fitted at any time and the unit is available for all backset dimensions of the AS 3500

3.) Daytime unlocking mechanism

A daytime unlocking mechanism can be installed instead of the door security lock. This deactivates the automatic function so that the hooks are not triggered.

Operation:

- 1.) Press down and hold lever handle
- 2.) Move the slider up on the face plate
- 3.) Set the arm on the electrical latch release or the KFV daytime latch to “day” mode

The AS 3500 cannot be locked with the key when the daytime unlocking mechanism is activated, this ensures that all locking elements are triggered when the door is locked.

Advantages of daytime unlocking:

- 1.) It is possible to activate the daytime unlocking mechanism without a key.
- 2.) When the daytime unlocking mechanism is activated, it is possible to leave the building without a key.
- 3.) An electric latch release can be operated when the daytime unlocking mechanism is activated.
- 4.) Easy to operate.

Each AS 3500 is equipped with a hole group for fixing the door security lock or daytime unlocking mechanism. The square perforation is covered with a plastic cover as standard. The screw positions on the top and bottom can be covered with fixing screws (csk 8).



Intelligent: A daytime unlocking mechanism can be fitted as an upgrade, allowing you to leave the house without a key

Produkt **Information**

Summary of product benefits

- The hooks are triggered automatically using contactless magnetic technology and without release latches
- High security solid hook bolts
- Hooks lock upwards, preventing closing problems even if the door is warped
- Right- or left-handed use
- Main lock with maintenance-free, plastic-coated soft-lock latch
- Pleasant locking sound
- Smooth operation through a combination of metal and plastic parts
- Face plate made of high-quality stainless steel
- Available for door heights between 1600 and 2400 mm
- Standard routing in sash and door frame
- Universal striker plate for all KFV multipoint locks
- Adjustment range for frame parts 5 mm through eccentric, continuously adjustable GRP casing
- Modular structure saves storage space

Produkt **Information**

Product description

KFV items available for order are identified by a unique seven-digit material number. The corresponding "speaking" product description ensures that the material number can be read. This description is printed onto order confirmations and packages, for example.

The description of the AS 3500 is structured according to the new KFV standard. The new description contains important additional information to provide improved identification of the product at a glance.

New elements in the description include:

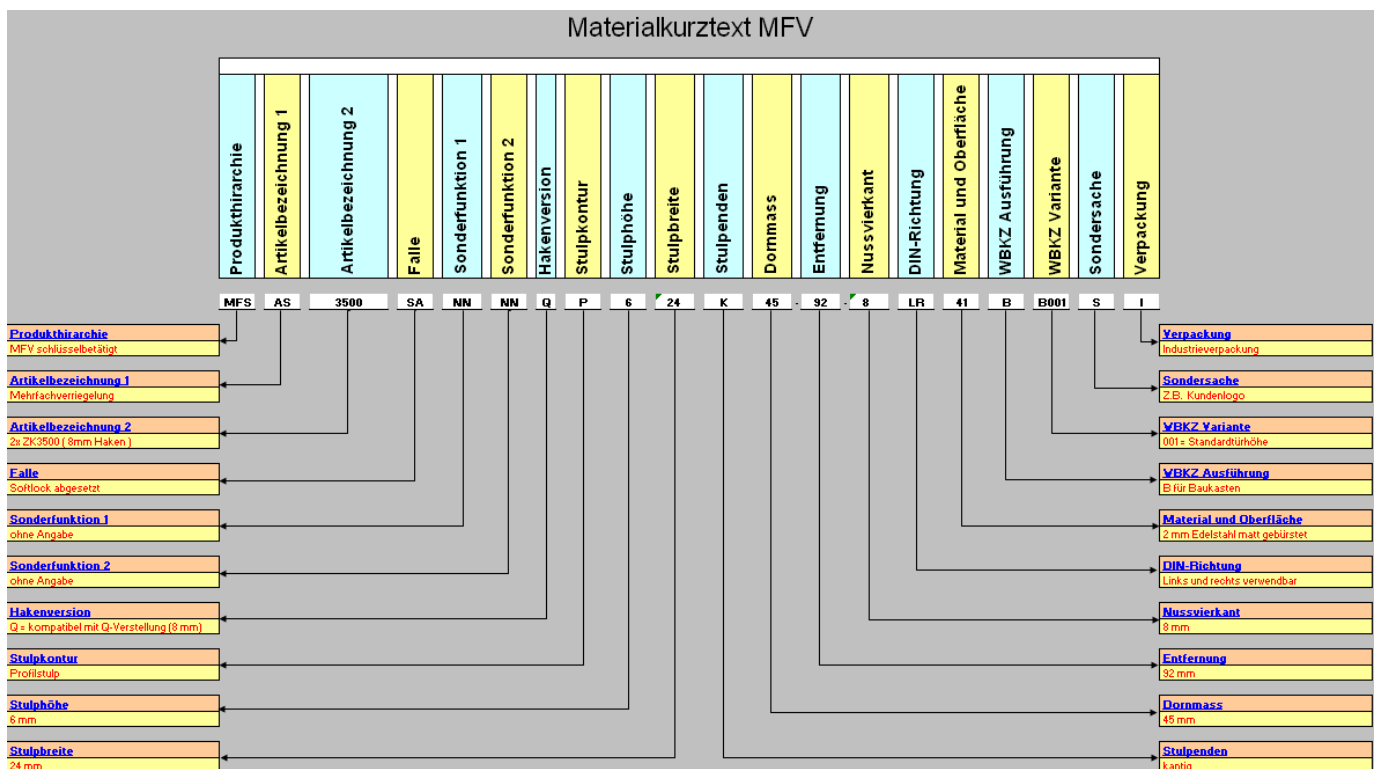
- Latch version (SL = Soft-lock, SA = Offset soft-lock)
- Hook version (Q = Compatible with Q adjustment)
- Dimension variant (B298, B001, B003, etc.)

Example

Material number: 3484742

Product Description: MFS AS3500SLQF/20-35-92-1-N9B001

Please contact your sales representative or field sales representative for further explanations in that matter.



Overview: The new structured material description provides important information at a glance