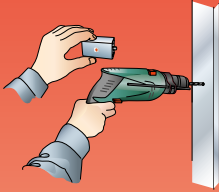


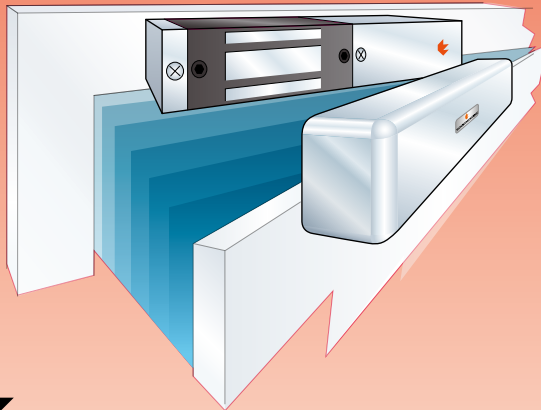
# MINI ELECTROMAGNETS MULTIPURPOSE



2 types available

FOR EASY  
SURFACE MOUNT  
INSTALLATION

## Slim Minisentrylock Series in "CLEAN COVER" housing



### FRONT LOCKING

#### Front mounted mini-electromagnets with magnetic adhesion.

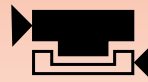
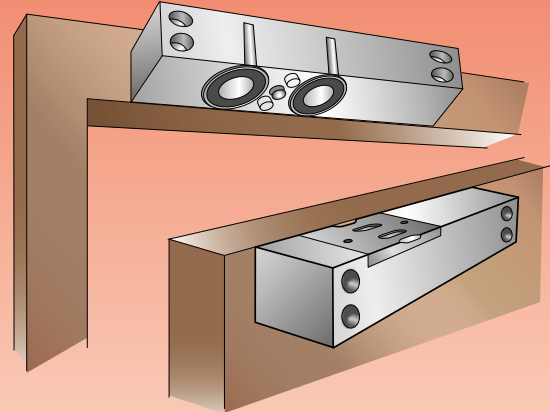
Frontal anchorage is achieved by magnetic adhesion between the face of the electromagnet and the face of the counter plate.

In practice, when the door is aligned in the stop moulding, the two coplanar surfaces fit together perfectly and a magnetic hold is established between them (with a powered holding electromagnet).

Key features:

- Fail-Safe: emergency unlock even in the event of a fault (release in the event of a power failure).
- Crush-safe: the unlock door command works even if pressure is applied to the door (e.g. crowds of people).
- Monitoring: fitted with a sensor to indicate door status (closed/open).

## Slim Shearlock Series in "CLEAN COVER" housing



### SHEAR LOCKING

#### Recessed shear-locking mini-electromagnets.

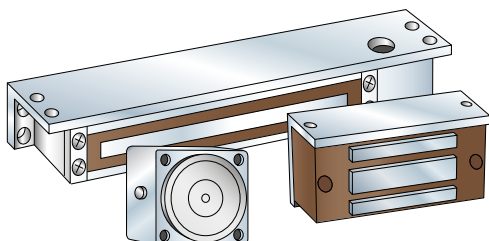
The shear anchoring is obtained by means of 2 stainless steel pins (located at the ends of the face of the electromagnet) which fit into the 2 correspondingly shaped seats (indentations) on the face of the floating counter plate.

In practice, when the door is aligned in the stop moulding, the electromagnet (when energised) attracts the face of the floating counter plate, which, when raised, aligns with the corresponding face of the electromagnet.

This causes the 2 stainless steel interlock with it. In this case, the high resistance shear locking is by recessed mounting.

Key features:

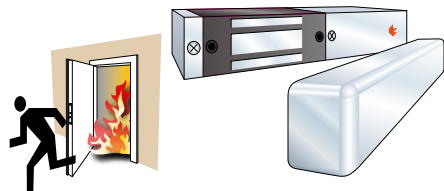
- Fail-Safe: emergency unlock even in the event of a fault (release in the event of a power failure).
- Resistance: is greatly increased (compared to simple magnetic adhesion) due to the magnetic interlocking of the two stainless steel pins.
- Monitoring: fitted with a sensor to indicate door status (closed/open)



## OTHER TYPES AVAILABLE

### Universal Magnets of VARIOUS STRENGTHS and DIMENSIONS

see page 62

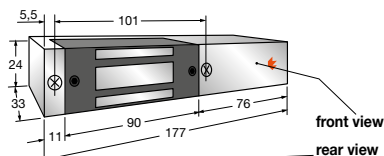


Automatic fail-safe unlock. In the event of fire or power failure it automatically unlocks freeing the exit....it's **FAIL-SAFE!**

### SLIM- MINISENTRYLOCK

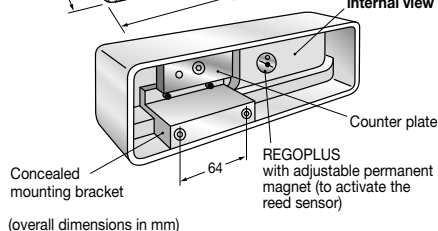
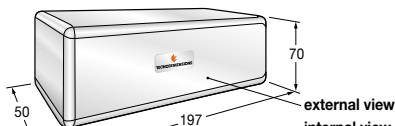
for surface mounting "DRILL&GO"  
in protective "CLEAN COVER" housing

Element "A" = body of electromagnet



Element "B" =  
"CLEAN COVER"  
protective housing

Element "B" = "CLEAN COVER" protective housing

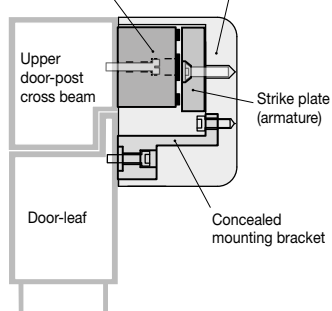


(overall dimensions in mm)

#### CROSS SECTION VIEW

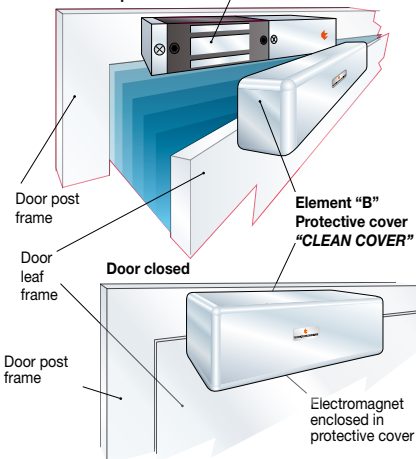
Element "A" Electromagnet  
SLIM-MINISENTRYLOCK

Element "B"  
protective cover  
"CLEAN COVER"



Element "A"  
Electromagnet  
SLIM-MINISENTRYLOCK

Door open



## PROFESSIONAL MINI ELECTROMAGNETS

# SLIM-MINISENTRYLOCK

in "CLEAN COVER"  
Front holding electromagnet  
for crush-safe door locking

Mini elettromagnet with full coverage "CLEAN COVER" made by single block of anodised aluminium. Ideal for surface mount and surface applications on any type of door frame = DRILL&GO.

Ultra compact mini electromagnet **SLIM-MINISENTRYLOCK** encased in protective "smooth" (roughness-free) and easy to clean case. Manageable and easy to install on door surfaces without any need to drill and/or cut door frames = DRILL&GO.

#### Models for 12 Vdc power supply

**SLIM-MINISENTRYLOCK** fail-safe version (anti-panic) mini electromagnet in "CLEAN COVER" case complete with 4-lead flying cable (2 m) of which 2 from the door status sensor and 2 for power.

The kit contains two components:

- element "A"**: is the electromagnet (to be fitted to the top rail of the door frame) and
- element "B"**: which is the protective "CLEAN COVER" (to be fitted over component "A" on the upper side of door leaf).
- 12 Vdc/70 mA power supply (units with very low consumption).
- Pressure resistance 60 Kp (equivalent to 600 Newton) to be enough and prevent adequately un-authorized opening of the door.
- Frontal lock with strike plate (armature)
- Adjustable Regoplus proximity reed sensor for controlling door status with 1A SPDT switch.
- Protective Anticorodal, anodised and mechanically brushed aluminium "CLEAN COVER" made by single block for easy installation with concealed non-removable bracket.
- Dimensions 197 197 x 70 x 50 mm
- Weight Kg 1.55

#### Models for 24 Vdc power supply

**SLIM-MINISENTRYLOCK** electromagnet as above but for a 24 V DC /50 mA power supply

### Export Product-list

January 2024



**TECNODIMENSIONE®**

Ordering information



Q.ty

MODELS

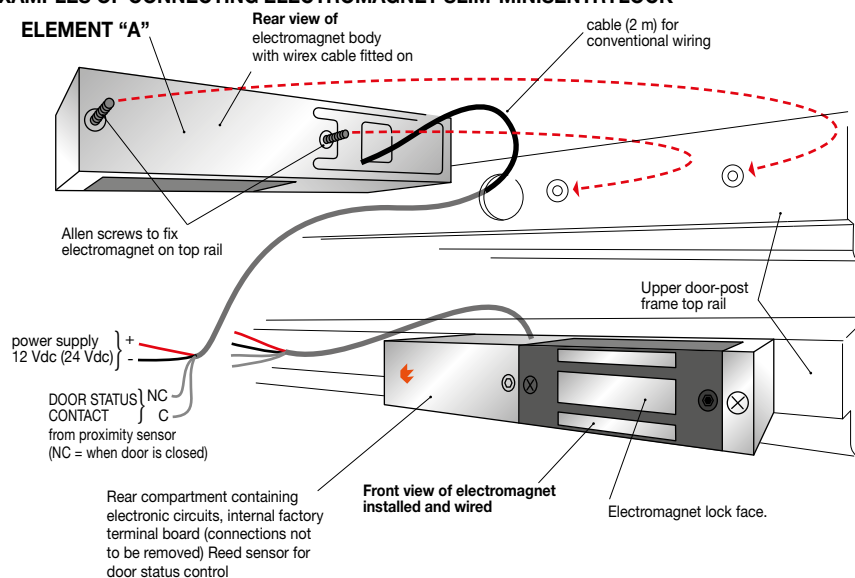
N°

0020804A2UM

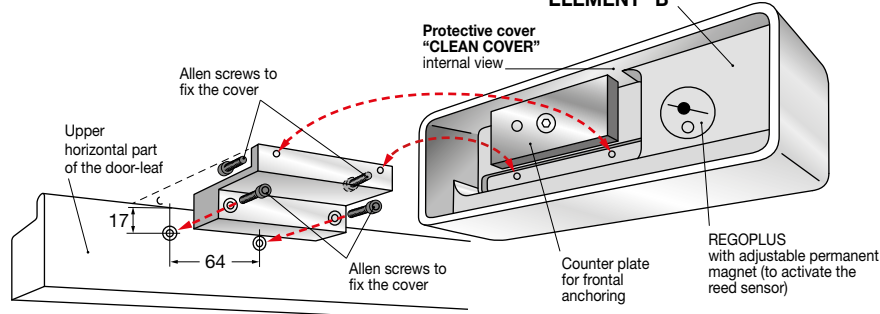
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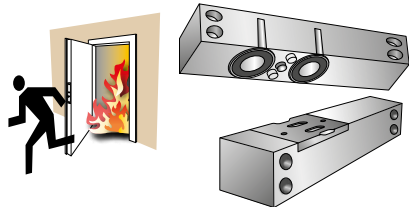
### EXAMPLES OF CONNECTING ELECTROMAGNET SLIM-MINISENTRYLOCK

#### ELEMENT "A"



#### ELEMENT "B"





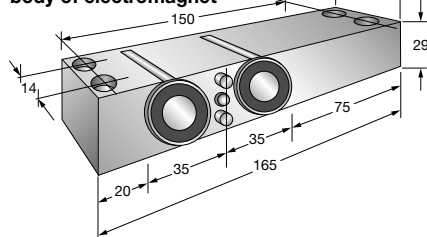
Automatic fail-safe unlock. In the event of fire or power failure it automatically unlocks freeing the exit.....it's **FAIL-SAFE!**

### SLIM-SHEARLOCK

'DRILL&GO' shear-locking holding electromagnet for surface-mounting

#### Element "A"

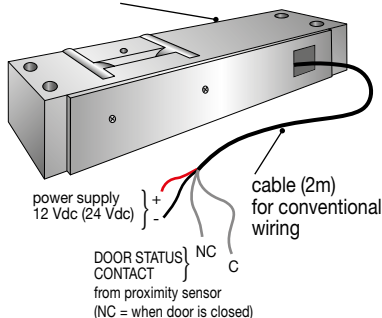
body of electromagnet



#### Element "A"

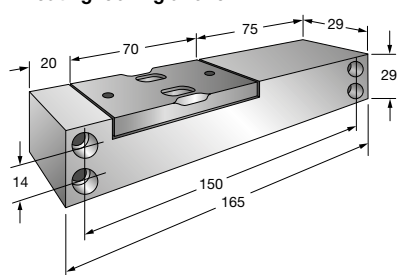
Body of electromagnet:

rear view cable fitted

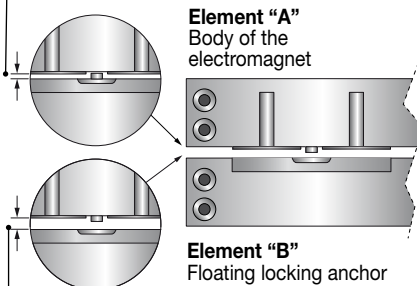


#### Element "B"

Floating locking anchor



minimum distance 2 mm



maximum distance 5 mm

(dimensions in mm)

## PROFESSIONAL MINI ELECTROMAGNETS

# SLIM-SHEARLOCK

in "CLEAN COVER" housing

Shear-locking electromagnet

Mini elettromagnet with full coverage "CLEAN COVER" made by single block of anodised aluminium. Ideal for surface mount and surface applications on any type of door frame = DRILL&GO.

Ultra compact mini electromagnet SLIM-MINISENTRYLOCK encased in protective "smooth" (roughness-free) and easy to clean case. Manageable and easy to install on door surfaces without any need to drill and/or cut door frames = DRILL&GO.

### Models for 12 Vdc power supply

#### SLIM-SHEARLOCK fail-safe version (anti-panic)

mini electromagnet in "CLEAN COVER" case complete with 4-lead flying cable (2 m) of which 2 from the door status sensor and 2 for power.

The kit contains two components:

**element "A"**: is the electromagnet (to be fitted to the top rail of the door frame) and

**element "B"**: which is the protective "CLEAN COVER" (to be fitted over component "A" on the upper side of door leaf).

- 12 Vdc/70 mA power supply (units with very low consumption).

- High thrust resistance due to 2 interlocking stainless steel pins

- Shear anchorage

- Protective Anticorodal, anodised and mechanically brushed aluminium "CLEAN COVER" made by single block for easy installation with concealed non-removable bracket.

- **element "A"**: overall dimensions electromagnet 165x29x29 mm

- **element "B"**: overall dimensions electromagnet 165x29x29 mm

- Weight kg 0,9

### Models for 24 Vdc power supply

SLIM-SHEARLOCK electromagnet like above but with 24 Vdc/50 mA power supply

## Export Product-list

January 2024



**TECNODINENSIONE®**

Ordering information



Q.ty

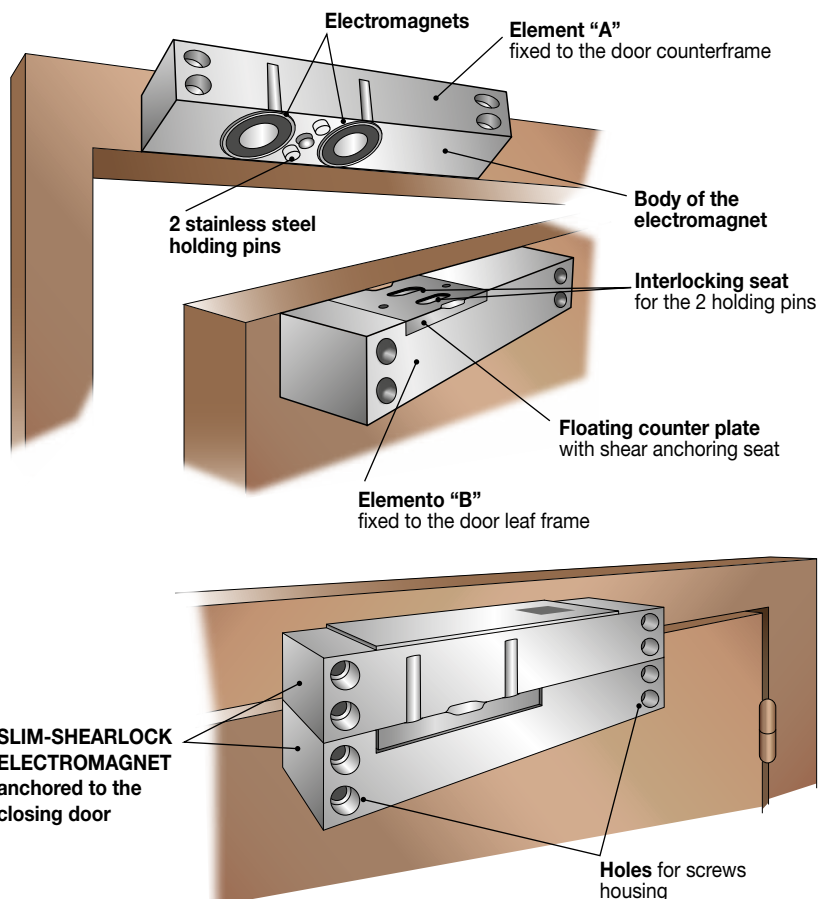
MODELS

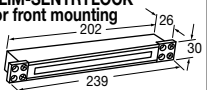
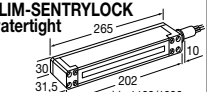
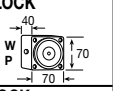
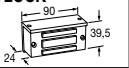
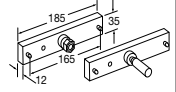
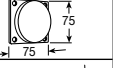
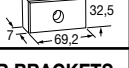
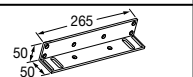
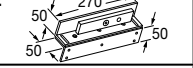
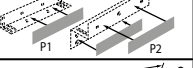
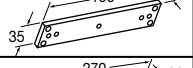
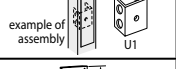
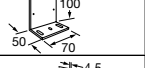
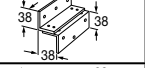
N°

002093B2WEP

002093B4WEP

## EXAMPLES OF CONNECTING ELECTROMAGNET SLIM-SHEARLOCK



| UNIVERSAL HOLDING ELECTROMAGNETS                                                                                                                                                                                            |                                                                   |                                                                                                                                                                                        |                                                                      |                              |                                                  |                              |                                                         |                                                                          | Export Product-list<br>January 2024                                                                     |                                                                                                             |                                                                  |            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|------------------------------|--------------------------------------------------|------------------------------|---------------------------------------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|------------|
| TECHNICAL CHARACTERISTICS<br>FAIL-SAFE: unlock immediately upon removal of power.<br>CRUSH SAFE: the "open-door" command operates (doesn't jam) even if crowds are crushing the door (in frontal striking configuration X). | STRIKING CONFIGURATION<br>X = Front locking<br>Z = Shear locking) | HOLDING FORCE<br>10 Newton = 0,98 kg<br>kg/Nw                                                                                                                                          | UNIVERSAL OPERATING VOLTAGE<br>or P version, define 12 or 24V<br>Vdc | CURRENT DRAW<br>mA           | ELECTRONIC MONITORING                            |                              |                                                         | W = PG7 cable gland in tin<br>I = Flush mounting<br>S = Surface mounting | <br>TECNODIMENSIONE® | Ordering information<br> | MODELS                                                           | Q.ty<br>N° |
|                                                                                                                                                                                                                             |                                                                   |                                                                                                                                                                                        |                                                                      |                              | MAGNETIC BOND SENSOR<br>to control holding force | V = Green led<br>R = Red led | BUILT-IN RELAY 1 SPDT<br>contact - 1A/30V in changeover |                                                                          |                                                                                                         |                                                                                                             |                                                                  |            |
|                                                                                                                                                                                                                             |                                                                   |                                                                                                                                                                                        |                                                                      |                              |                                                  |                              |                                                         |                                                                          |                                                                                                         |                                                                                                             |                                                                  |            |
|                                                                                                                                            | X                                                                 | 300/3000                                                                                                                                                                               | 12/24V                                                               | 500/250                      | ●                                                | ---                          | ●                                                       | I                                                                        |                                                                                                         |                                                                                                             | 002075B33I                                                       |            |
|                                                                                                                                            | X                                                                 | 300/3000                                                                                                                                                                               | 12/24V                                                               | 500/250                      | ●                                                | ●                            | ●                                                       | S                                                                        |                                                                                                         |                                                                                                             | 002075B33S                                                       |            |
|                                                                                                                                            | X                                                                 | 300/3000                                                                                                                                                                               | 12/24V                                                               | 500/250                      | ●                                                | ---                          | ●                                                       | W                                                                        |                                                                                                         |                                                                                                             | 002075B33H                                                       |            |
|                                                                                                                                            | X<br>X<br>X                                                       | 180/1800<br>150/1500<br>125/1250                                                                                                                                                       | 12/24V<br>12/24V<br>12/24V                                           | 420/210<br>240/120<br>150/70 | ---<br>---<br>---                                | ---<br>---<br>---            | ---<br>---<br>---                                       | S<br>S<br>S                                                              |                                                                                                         |                                                                                                             | 002083A39Y<br>002083A37Y (on request)<br>002083A30Y (on request) |            |
|                                                                                                                                            | X                                                                 | 70/700                                                                                                                                                                                 | 12/24V                                                               | 340/165                      | ---                                              | ---                          | ---                                                     | S                                                                        |                                                                                                         |                                                                                                             | 0020804A2UY                                                      |            |
| ACCESSORIES                                                                                                                                                                                                                 |                                                                   |                                                                                                                                                                                        |                                                                      |                              |                                                  |                              |                                                         |                                                                          |                                                                                                         |                                                                                                             |                                                                  |            |
| STRIKE PLATE                                                                                                                                                                                                                |                                                                   | MANDATORY - accessory to be coupled to:                                                                                                                                                |                                                                      |                              |                                                  |                              | STRIKING CONFIGURATION                                  |                                                                          |                                                                                                         |                                                                                                             |                                                                  |            |
|                                                                                                                                          | X1                                                                | SLIM-SENTRYLOCK<br>For all models - recessed/surface-mount/waterproof                                                                                                                  |                                                                      |                              |                                                  |                              | FRONTAL (SLIM-MONOFACE)                                 |                                                                          |                                                                                                         |                                                                                                             | 0020750X1                                                        |            |
|                                                                                                                                          | X1                                                                | MEDISENTRYLOCK                                                                                                                                                                         |                                                                      |                              |                                                  |                              | FRONTAL (MEDIFACE)                                      |                                                                          |                                                                                                         |                                                                                                             | 0020800X1                                                        |            |
|                                                                                                                                          | X1                                                                | MINISENTRYLOCK                                                                                                                                                                         |                                                                      |                              |                                                  |                              | FRONTAL (MINIFACE))                                     |                                                                          |                                                                                                         |                                                                                                             | 0020700X1                                                        |            |
| ANGULAR BRACKETS                                                                                                                                                                                                            |                                                                   | OPTIONAL - accessory to be coupled to:                                                                                                                                                 |                                                                      |                              |                                                  |                              | STRIKING CONFIGURATION                                  |                                                                          |                                                                                                         |                                                                                                             |                                                                  |            |
|                                                                                                                                          | L1                                                                | "L-shaped" anodised aluminium corner bracket for surface-mounted SLIM-SENTRYLOCK                                                                                                       |                                                                      |                              |                                                  |                              |                                                         |                                                                          |                                                                                                         |                                                                                                             | 0020750L1                                                        |            |
|                                                                                                                                          | L1                                                                | "L-shaped" anodised aluminium corner bracket for waterproof SLIM-SENTRYLOCK                                                                                                            |                                                                      |                              |                                                  |                              |                                                         |                                                                          |                                                                                                         |                                                                                                             | 0020750I1                                                        |            |
|                                                                                                                                          | LZ2                                                               | "Z-shaped" anodised aluminium pair of corner brackets for surface-mount/waterproof SLIM-SENTRYLOCK                                                                                     |                                                                      |                              |                                                  |                              |                                                         |                                                                          |                                                                                                         |                                                                                                             | 0020750Z2                                                        |            |
|                                                                                                                                          | P1<br>P2                                                          | a self-adhesive screw cover plate for "L-shaped" corner bracket (excluding bracket)<br>Set of two self-adhesive screw cover plates for "Z-shaped" corner brackets (excluding brackets) |                                                                      |                              |                                                  |                              |                                                         |                                                                          |                                                                                                         |                                                                                                             | 0020750M1<br>0020750M2                                           |            |
|                                                                                                                                          | F                                                                 | Special bracket for surface-mounted SLIM-SENTRYLOCK fire doors                                                                                                                         |                                                                      |                              |                                                  |                              |                                                         |                                                                          |                                                                                                         |                                                                                                             | 0020750F1                                                        |            |
|                                                                                                                                          | U1                                                                | "Star-shaped" anodised aluminium brackets for SLIM-SENTRYLOCK glass doors                                                                                                              |                                                                      |                              |                                                  |                              |                                                         |                                                                          |                                                                                                         |                                                                                                             | 0020750G1                                                        |            |
|                                                                                                                                          | U1                                                                | "U-shaped" anodised aluminium bracket for SLIM-SENTRYLOCK sliding doors                                                                                                                |                                                                      |                              |                                                  |                              |                                                         |                                                                          |                                                                                                         |                                                                                                             | 0020750S1                                                        |            |
|                                                                                                                                          | L1                                                                | "L-shaped" anodised aluminium corner bracket for floor-mount (or other) MEDISENTRYLOCK                                                                                                 |                                                                      |                              |                                                  |                              |                                                         |                                                                          |                                                                                                         |                                                                                                             | 0020800L1                                                        |            |
|                                                                                                                                          | LZ2                                                               | Pair of "Z-shaped" angular brackets in anodised aluminium for MINISENTRYLOCK                                                                                                           |                                                                      |                              |                                                  |                              |                                                         |                                                                          |                                                                                                         |                                                                                                             | 0020804Z2                                                        |            |
|                                                                                                                                          | U1                                                                | "Star-shaped" brackets for doors in glass only in anodised aluminium for MINISENTRYLOCK                                                                                                |                                                                      |                              |                                                  |                              |                                                         |                                                                          |                                                                                                         |                                                                                                             | 0020804G1                                                        |            |

★ **Note:** The published prices of holding electromagnets do not include the accessories. Particularly do not forget to order the proper strike that is mandatory for the operation of any electromagnet.