# Solo-Mech

Hingeless Single Lift-Up Door Mechanism
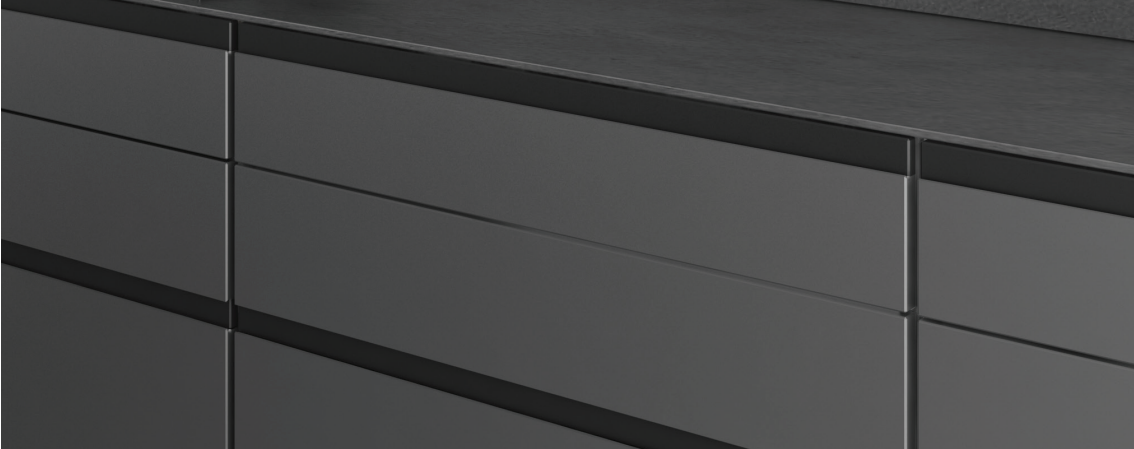


**samet**
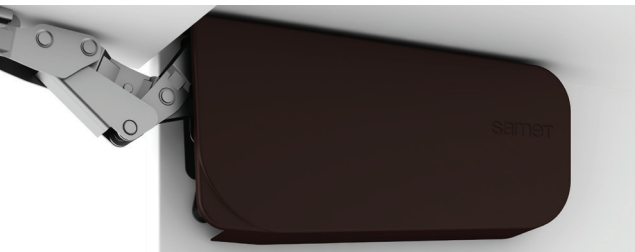
## Outstanding Design Results In Magical Movement and Pure Silence

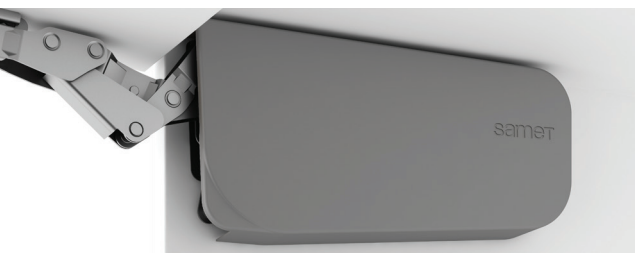**Solo-Mech** ensures flawless "open and close" movement with innovative "hinge-less" technology.

**MOCHA**



**ANTHRACITE**



**GREY**



**WHITE**

Provides great colour alternatives with Anthracite, Mocha, Grey and White colour options.

**Soft and silent movement features provide maximum comfort.**

With its gradual-open mechanism, cabinet doors can be stopped at a desired level.

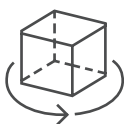"Fully mechanic"
lifting structure provides
lifetime stability.

**UP**
**DOWN**

**LEFT**
**RIGHT**

**BACK**
**FORWARD**

## 3D Adjustment

Solo-Mech's three dimensional alignment mechanism enables flawless installation.

## Solo-Mech
## Aluminium Frame Solution

# Solo Mech | Assembly Instructions



1



2



3



4



5



6

Click



7



8

# Solo Mech | 90° Opening Angle

1
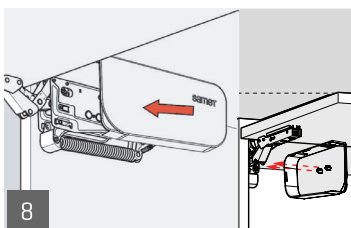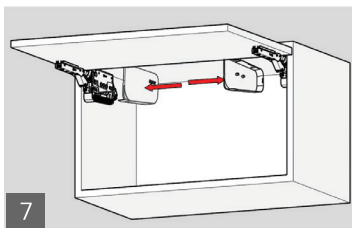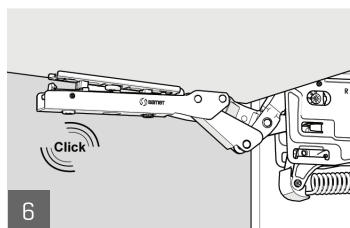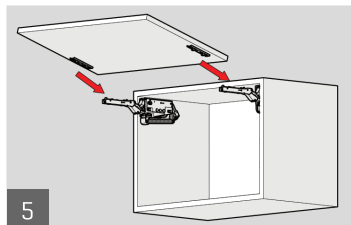
The stoper is used to limit the opening angle of 90°.

2

Lower the arm.

3

Remove the existing stopper.

4
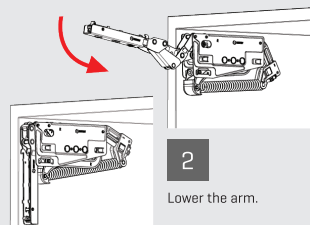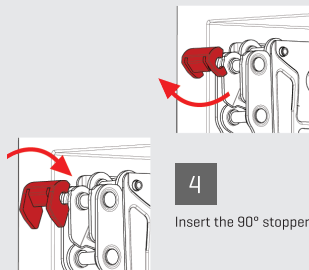
Insert the 90° stopper.
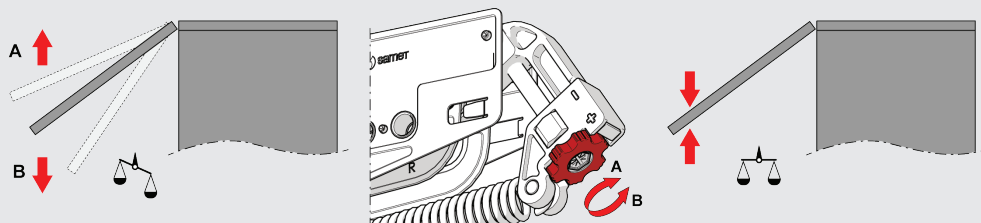
If, when the door is released, it rises instead of remaining in position, turn in
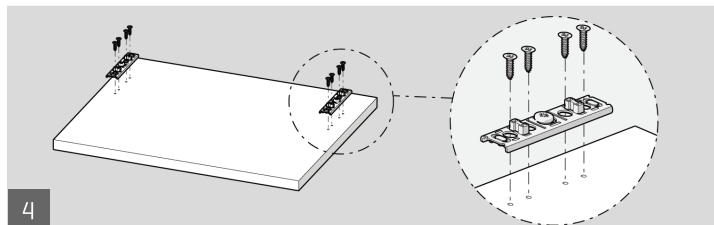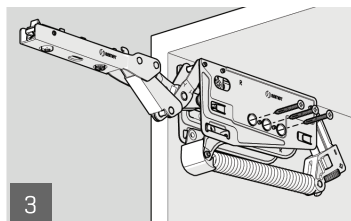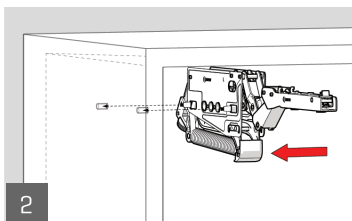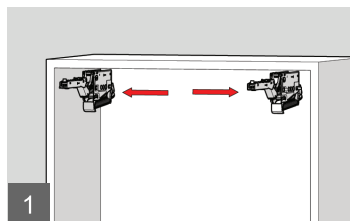direction "A," and if it descends, turn in direction "B" in order to adjust balance.

If the door closes too fast or too slowly,
you can adjust the strength of the soft
closing mechanism by adjusting from
the specified position.

Low braking at setting 1, High braking
at setting 4.
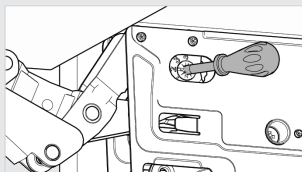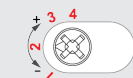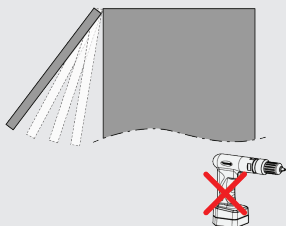
Important:   Do not force the adjustment
mechanism beyond the end point.

**1** ± 2 mm

**2** ± 2 mm

**3** ± 2 mm
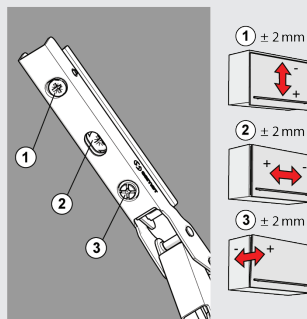
## SAFETY INFORMATION
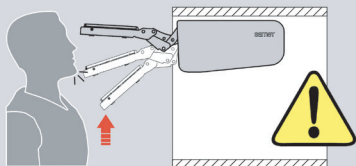
Caution:
Lever arm can
spring up and
cause injury.

# Solo ✐ Mech | Aluminium Frame Parts



| DESCRIPTION | CODE |
|---|---|
| Solo-Mech Aluminium Framed Door Connector | 1249910 |

x2

x10

M4
(DIN 7500M)

# Solo ✐ Mech | Aluminium Frame Assembly Instructions



1



2

Max. 22
16
19
18
Min. 2
38
44
41
42
10
Ø5
Ø2
Ø2
Ø5
min.188
37
32
32
32
60 (Standard)
Min. 148
2
1
78
32
32
F=min.2
B



X=19-23mm
*10
S=max 2,5 mm
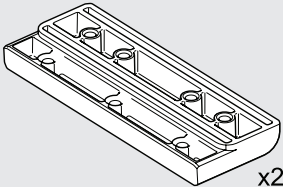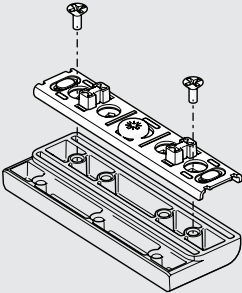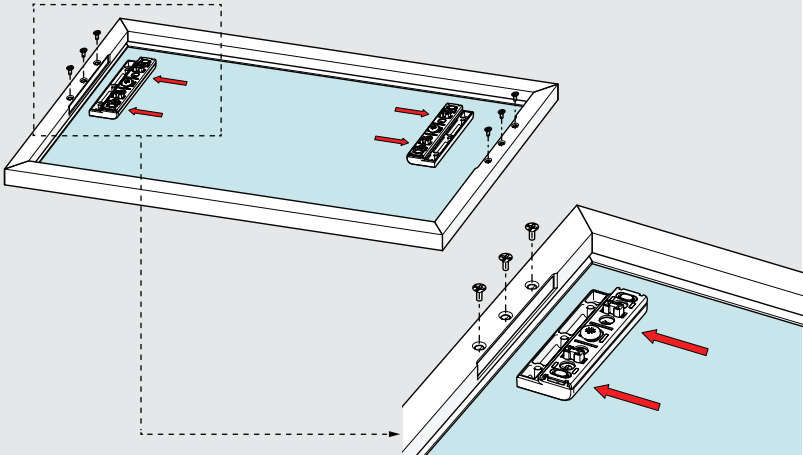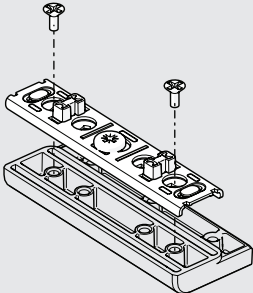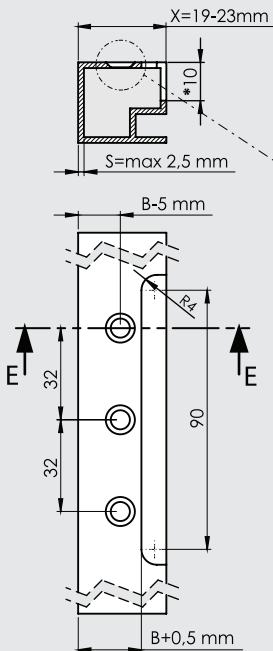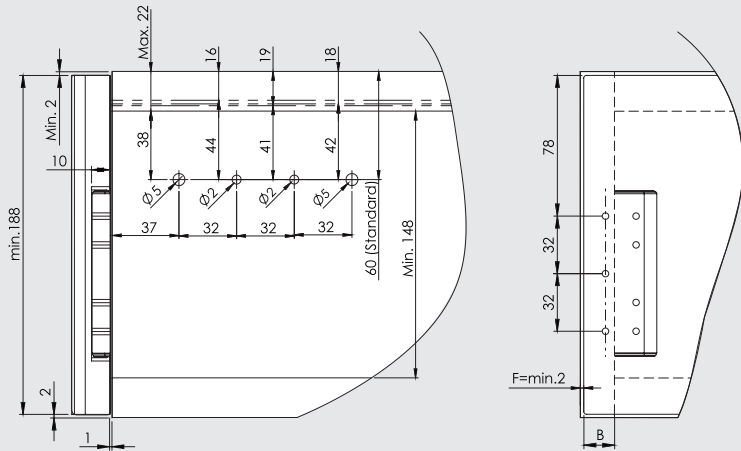
If B+19 > X , "Aluminium Door Connection Adapter" should be used.

*Ø7,5 ± 0,2

B-5 mm
R4
*1,5
Ø5
E
32
90
32
B+0,5 mm
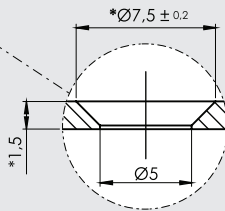
F : Minimum Gap
B : Side Overlay
S : Profile Material Thickness
X : Profile Width

B=max.17 mm for 19 mm width aluminium profiles.

Important
*If the material thickness (S) is changed,
 application dimensions should be calculated again.

# Solo Mech

Technical Dimensions



# Solo Mech

Product Selection Table
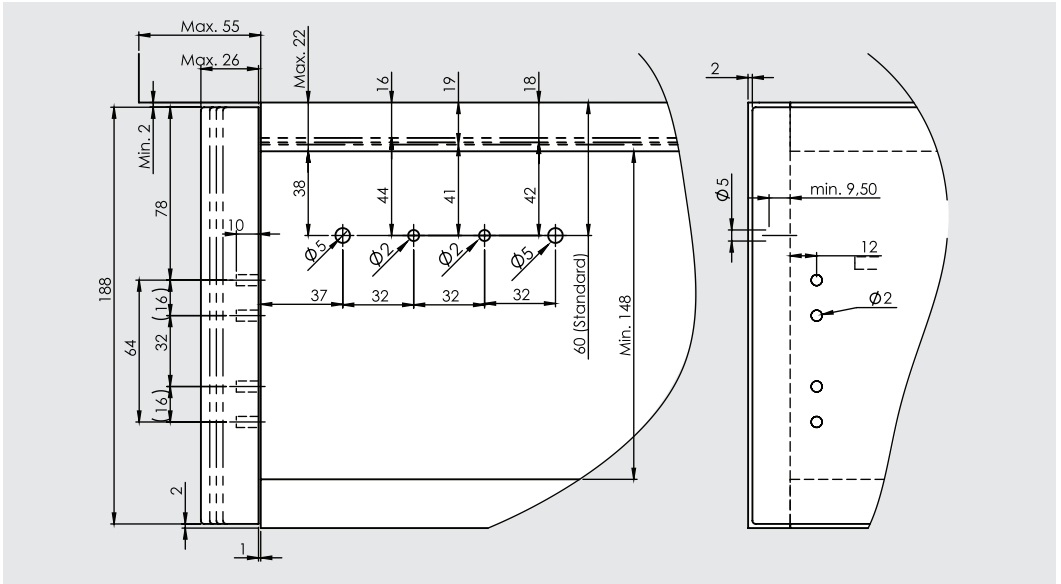
| DOOR HEIGHT / POWER UNIT | A1 | | B1 | | C1 | |
|---|---|---|---|---|---|---|
| | min. kg | max. kg | min. kg | max. kg | min. kg | max. kg |
| **200** mm | 3,6 | 6,5 | 5 | 9,7 | 7 | 14,7 |
| **201-250** mm | 3,4 | 5,3 | 4 | 7,5 | 5,5 | 12,2 |
| **251-300** mm | 1,9 | 4,9 | 3 | 5,9 | 4,5 | 9,9 |
| **301-350** mm | 1,6 | 3,6 | 2,8 | 5 | 4 | 7,9 |
| **351-400** mm | 1,4 | 3,1 | 2,4 | 4,2 | 3,6 | 7,2 |
| **401-450** mm | 1,3 | 2,8 | 2,2 | 3,8 | 3,2 | 6,3 |
| **451-500** mm | 1,2 | 2,5 | 2 | 3,4 | 2,8 | 5,5 |
| **501-550** mm | 1 | 2,2 | 1,75 | 3 | 2,6 | 5,1 |
| **551-600** mm | 0,95 | 2 | 1,7 | 2,8 | 2,5 | 4,6 |

More powerful mechanism is recommended for intersection areas.

## Solo-Mech Wholesale Package

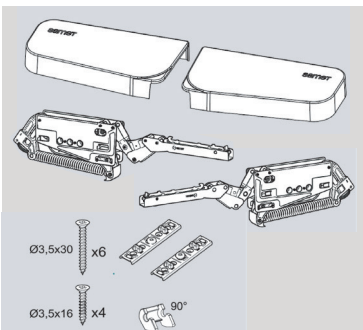| CODE | DESCRIPTION | POWER | COLOR | PACKAGE |
|------|-------------|-------|-------|---------|
| 12417610001001 | Solo-Mech Wholesale Package | A1 | White | 1 Set/ Box |
| 12417610003001 | Solo-Mech Wholesale Package | A1 | Grey | 1 Set/ Box |
| 12417610006001 | Solo-Mech Wholesale Package | A1 | Mocha | 1 Set/ Box |
| 12417610007001 | Solo-Mech Wholesale Package | A1 | Anthracite | 1 Set/ Box |
| 12417710001001 | Solo-Mech Wholesale Package | B1 | White | 1 Set/ Box |
| 12417710003001 | Solo-Mech Wholesale Package | B1 | Grey | 1 Set/ Box |
| 12417710006001 | Solo-Mech Wholesale Package | B1 | Mocha | 1 Set/ Box |
| 12417710007001 | Solo-Mech Wholesale Package | B1 | Anthracite | 1 Set/ Box |
| 12417810001001 | Solo-Mech Wholesale Package | C1 | White | 1 Set/ Box |
| 12417810003001 | Solo-Mech Wholesale Package | C1 | Grey | 1 Set/ Box |
| 12417810006001 | Solo-Mech Wholesale Package | C1 | Mocha | 1 Set/ Box |
| 12417810007001 | Solo-Mech Wholesale Package | C1 | Anthracite | 1 Set/ Box |

## Solo-Mech Industrial Package Mechanism

| CODE | DESCRIPTION | POWER | SIDE | PACKAGE |
|------|-------------|-------|------|---------|
| 124176200 | Solo-Mech Industrial Package Mechanism | A1 | Right | 10 Pcs. / Box |
| 124176300 | Solo-Mech Industrial Package Mechanism | A1 | Left | 10 Pcs. / Box |
| 124177200 | Solo-Mech Industrial Package Mechanism | B1 | Right | 10 Pcs. / Box |
| 124177300 | Solo-Mech Industrial Package Mechanism | B1 | Left | 10 Pcs. / Box |
| 124178200 | Solo-Mech Industrial Package Mechanism | C1 | Right | 10 Pcs. / Box |
| 124178300 | Solo-Mech Industrial Package Mechanism | C1 | Left | 10 Pcs. / Box |

## Solo-Mech Industrial Package - Cover

| CODE | DESCRIPTION | COLOR | SIDE | PACKAGE |
|------|-------------|-------|------|---------|
| 124179201001 | Solo-Mech Industrial Package - Cover | White | Right | 10 Pcs. / Box |
| 124179203001 | Solo-Mech Industrial Package - Cover | Grey | Right | 10 Pcs. / Box |
| 124179206001 | Solo-Mech Industrial Package - Cover | Mocha | Right | 10 Pcs. / Box |
| 124179207001 | Solo-Mech Industrial Package - Cover | Anthracite | Right | 10 Pcs. / Box |
| 124179301001 | Solo-Mech Industrial Package - Cover | White | Left | 10 Pcs. / Box |
| 124179303001 | Solo-Mech Industrial Package - Cover | Grey | Left | 10 Pcs. / Box |
| 124179306001 | Solo-Mech Industrial Package - Cover | Mocha | Left | 10 Pcs. / Box |
| 124179307001 | Solo-Mech Industrial Package - Cover | Anthracite | Left | 10 Pcs. / Box |

Solo-Mech | Parts



Ø3,5x30 x6

Ø3,5x16 x4    90°

# samet