The image shows a minimalist interior with dark, textured walls and a dark floor. A large, clear glass partition is positioned in the center, supported by a metal frame. To the left of the partition, a modern, light-colored chair is visible. The overall aesthetic is clean and architectural.

# FritsJurgens®

TECHNICAL DOCUMENTATION

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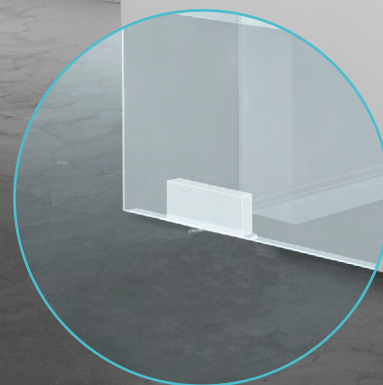
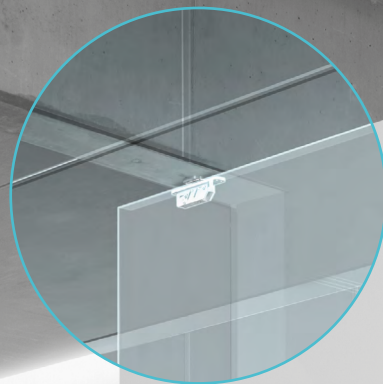
### System One

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## INVISIBLE PERFECTION

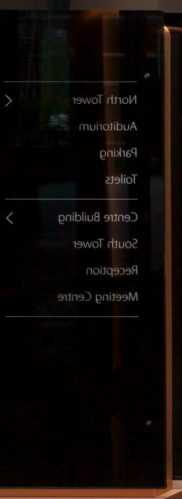
The pivot hinge systems by FritsJurgens are unique while there are no structural elements necessary in the floor and the ceiling. The system components are fully-mortised in the bottom and top of the door. Only surface-mounted floor and ceiling plates need to be installed, making the system virtually invisible. All the attention goes where it is supposed to go – to the design of the pivot door and its surroundings.



## UNLIMITED DESIGN

As a professional, you want to create more than just a door. You want to create a design statement. With a FritsJurgens pivot hinge design possibilities are unlimited and, the movement of the door is fluent, whether your door weighs 20 kg or 500 kg.

FritsJurgens pivot hinges are ideal for all kinds of pivot doors – large or small, light or heavy, interior or exterior. Whether in residential or commercial environments, almost any material is possible for your pivot door.





## FLOWMOTION®

### Power becomes control

Why constrain power when you can convert it into control? FlowMotion technology puts hydraulic power to use by turning it into a controlled, smooth door movement. This is what makes FlowMotion technology unique. In System M and System M+ the movement of the pivot door is created and controlled by FlowMotion. In heavy and light doors. Unabridged power, full control.



## TIMELESS QUALITY

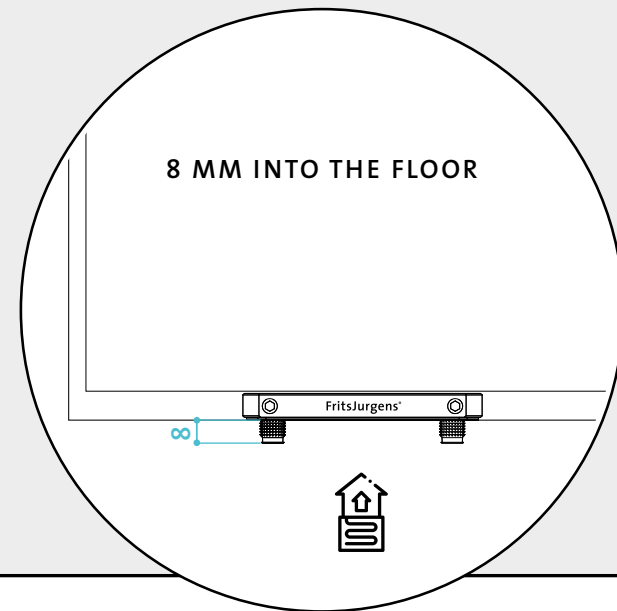
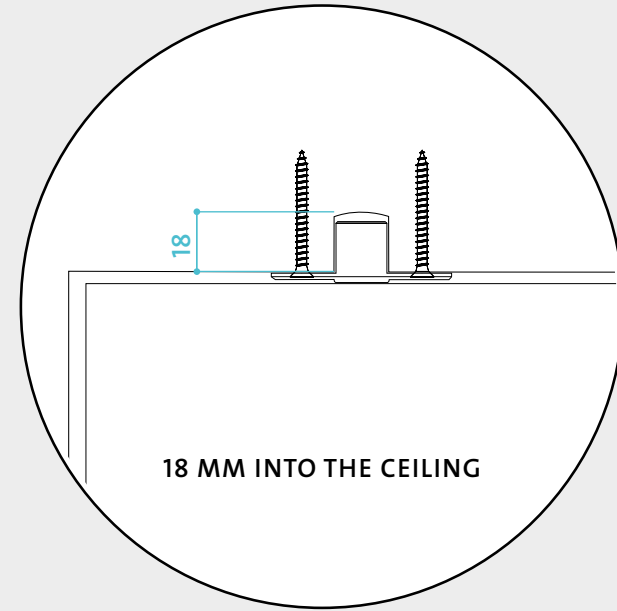
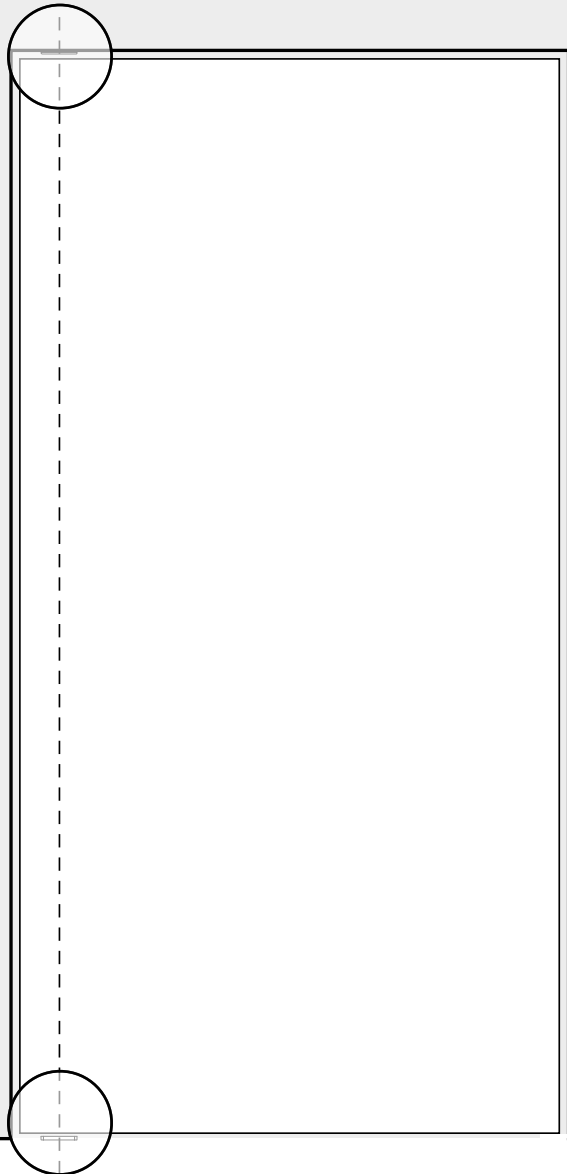
FritsJurgens pivot hinges are virtually indestructible. Built from high-performance materials, the systems are maintenance-free.

Our rigorous testing shows that even after 1 million cycles our systems continue to perform as they were designed, perfectly balancing technology, quality, and aesthetics.





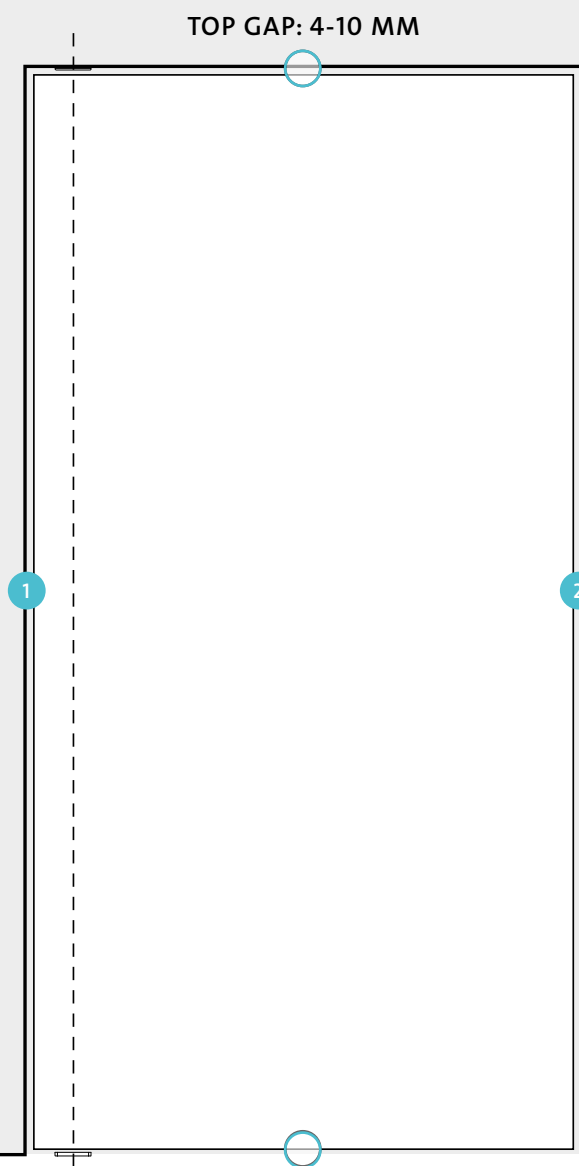
## 8 MM INTO THE FLOOR, 18 MM INTO THE CEILING



The top pivot and bottom pivot hinge system components are fully-mortised in the pivot door. Only small floor and ceiling plates are visible. The floor plate fasteners only need to be mortised 8 mm into the floor, which means every FritsJurgens system can also be utilized in combination with radiant floor heating.



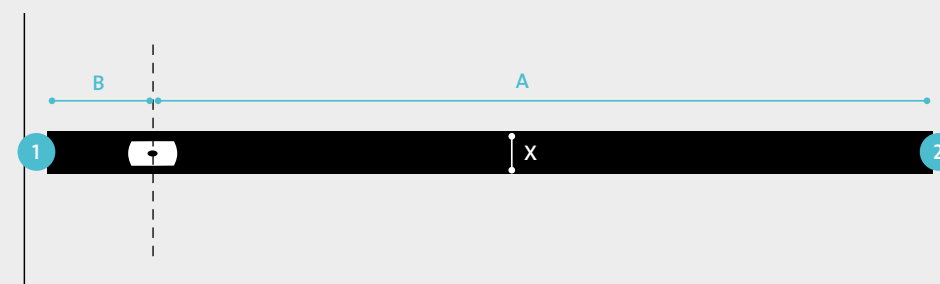
## GAPS AROUND THE DOOR

[www.fritsjurgens.com/gap](http://www.fritsjurgens.com/gap)


### GAP LEFT (1) AND RIGHT (2)

Example for minimum gaps between the door and the wall or jamb:

X	Door thickness	40 mm
A	Distance of pivot point to end of the door	1500 mm
B	Distance pivot point to beginning door	91 mm
1	Minimum gap between door and wall	4 mm
2	Minimum gap between door and wall	2 mm



B	1			
2000	2	2	2	2
1500	2	2	2	2
1000	2	2	3	3
500	2	3	3	3
250	3	3	4	4
91	4	5	7	9
X ▶	40	50	60	70

A	2			
2000	2	2	2	2
1500	2	2	2	2
1000	2	2	3	3
500	2	3	3	3
250	3	3	4	4
91	4	5	7	9
X ▶	40	50	60	70

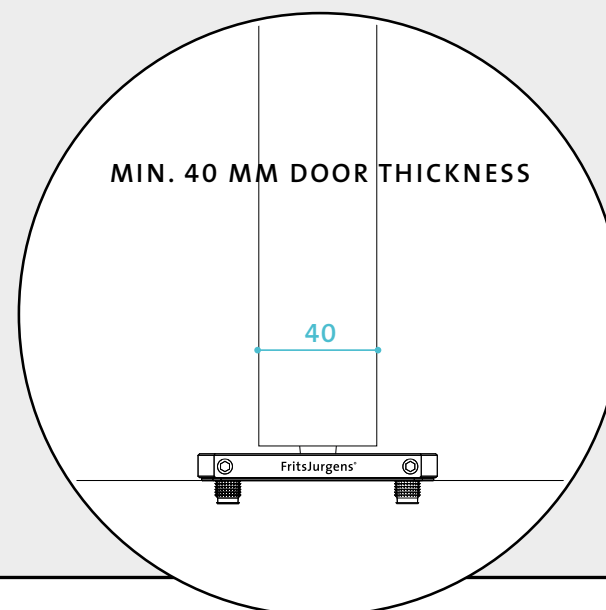
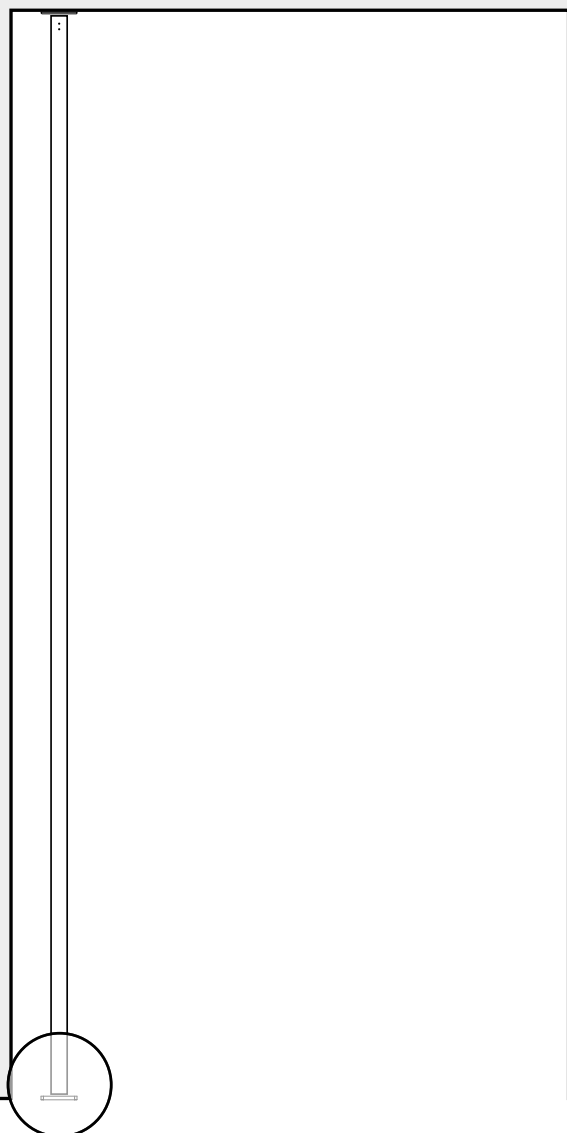
When  $X > 70$  mm, please go to the online gap calculation tool on top of this page. Dimensions in mm. Based on straight angles. The dimensions are indicative. No rights can be derived from it.

**BOTTOM GAP: 11 (M+/M) 13 MM (3/ONE)**

The minimum gap at the side of the door depends on the thickness (X) and the width of the door in relation to the positioning of the hinge (A and B). Important: the minimum distance from the pivot point of the hinge to the edge of the door (A) is 91 mm. There is no need to add extra space for installing (2 mm tolerance is included).



## MINIMUM DOOR THICKNESS 40 MM



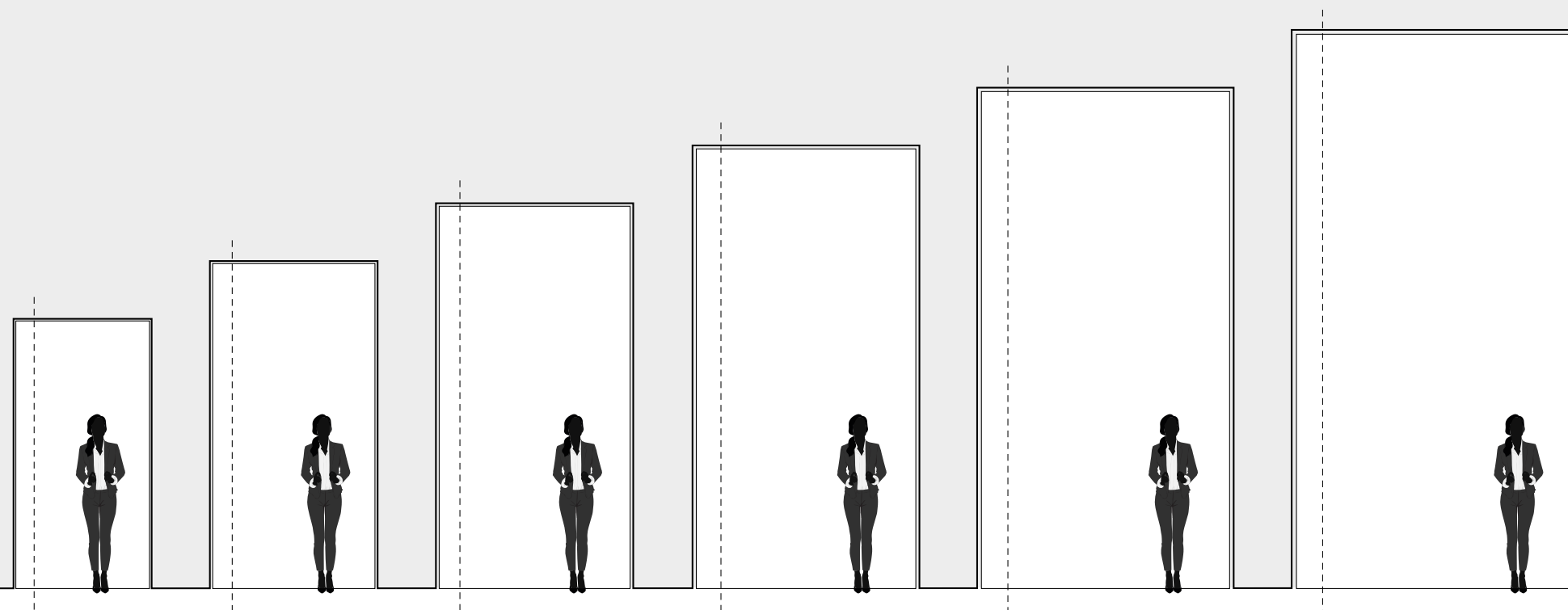
Since the FritsJurgens pivot hinges have a thickness of 32 mm (or 42 mm) they can be used in doors with a minimum thickness of 40 mm. This makes FritsJurgens systems suitable for doors of virtually any size and material, giving designers the freedom to design the ultimate pivot door.



## SUITABLE FOR DOORS BETWEEN 20 - 500 KG

### SYSTEM RANGE

System M+	20-500 kg
System M	20-210 kg
System 3	40-350 kg
System One	20-500 kg



Each FritsJurgens pivot system is suitable for light and heavy doors. System M+ comes in models tuned for doors from 20 up to 500 kg. System M is suitable for door between 20 and 210 kg. System One also supports doors up to 500 kg, while System 3 supports doors from 40 to 350 kg. The possibilities for the design of the door are endless and the movement is smooth and fluent.



## POSITIONING OF THE SYSTEMS

[www.fritsjurgens.com/tools](http://www.fritsjurgens.com/tools)

### SIDE PLACEMENT

System M+

System M

System One

### MIDDLE PLACEMENT

System 3

System One

FritsJurgens pivot hinge systems can be used to design pivot doors with side and middle placement. Depending on the positioning of the system and the function of the pivot door, the right system can be selected.



## COMPARE SYSTEMS

	SYSTEM M+	SYSTEM M	SYSTEM 3	SYSTEM ONE
<b>System features</b>	M32+: 294,8 x 32 x 99,6 mm M32+: 2,6 KG M42+: 308,2 x 42 x 112,7 mm M42+: 3,6 KG	294,8 x 32 x 99,6 mm 2,6 KG	160 x 32 x 143 mm 0,75 KG	160 x 32 x 39 mm 0,36 KG
<b>Material</b>	Stainless Steel   Anodized aluminum	Stainless Steel   Anodized aluminum	Stainless Steel   Anodized aluminum	Stainless Steel   Anodized aluminum
<b>Corrosion resistance</b>	EN 1670 - class 5 (norm:o-5)	EN 1670 - class 5 (norm:o-5)	EN 1670 - class 5 (norm:o-5)	EN 1670 - class 5 (norm:o-5)
<b>Door features</b>	Double-acting   180° rotation Single-acting   90° rotation	Double-acting   180° rotation Single-acting   90° rotation	Double-acting   360° rotation	Double-acting   360° rotation Single-acting   90° rotation
<b>Hold positioning</b>	Hold positions 90°, -90° and 0°	Hold positions 90°, -90° and 0°	Hold positions 0°, 90°, 180°, 270°	360° free-swinging pivot
<b>Weight capacity</b>	20-500 KG	20-210 KG	40-350 KG	20-500 KG
<b>Door width</b>	400-5000 mm	400-4400 mm	1000-3800 mm	Unlimited
<b>Door height</b>	Unlimited	Unlimited	Unlimited	Unlimited
<b>Pivot point</b>	Min. 91 mm to short side	Min. 91 mm to short side	Min. 91 mm to short side	Min. 91 mm to short side
<b>Door thickness</b>	M32+: 40 mm M42+: 50 mm	40 mm	40 mm	40 mm
<b>Door movement</b>	Self-closing from 125° and -125° to 0° 1. <b>Damper Control</b> Back-check for damping on opening, soft-close. 2. <b>30° Speed Control</b> Adjustable closing speed in last part of closing. L <b>Latch Control</b> Accelerates the door shortly before closed position.	Self-closing from 125° and -125° to 0° 1. <b>Damper Control</b> Back-check for damping on opening, soft-close.	Door moves from each 45° angle, in both directions, to a hold position.	360° free-swinging pivot
	<a href="#">GO TO SYSTEM M+</a>	<a href="#">GO TO SYSTEM M</a>	<a href="#">GO TO SYSTEM 3</a>	<a href="#">GO TO SYSTEM ONE</a>



# FUNCTIONS

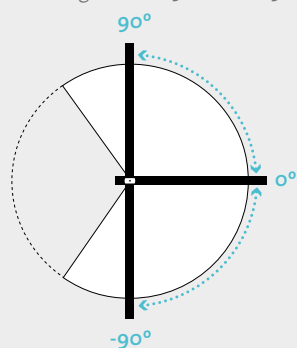
## SYSTEM M+

Double-acting doors

Rotation 180°

Hold positions 90°, -90° and 0°

Self-closing from 125° and -125° to 0°

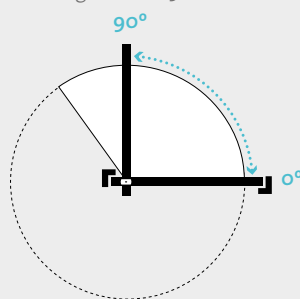


Single-acting doors (with door frames\*)

Rotation 90°

Hold positions 90° and 0°

Self-closing from 125° to 0°



*\*Due to Latch Control (see next page)*

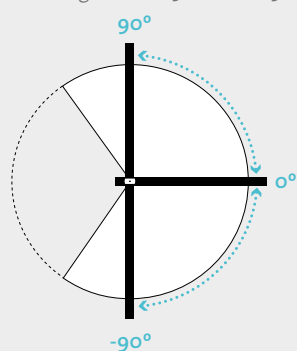
## SYSTEM M

Double-acting doors

Rotation 180°

Hold positions 90°, -90° and 0°

Self-closing from 125° and -125° to 0°

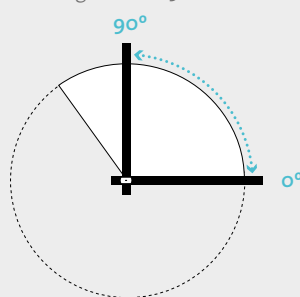


Single-acting doors

Rotation 90°

Hold positions 90° and 0°

Self-closing from 125° to 0°

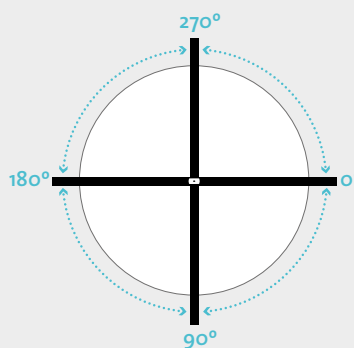


## SYSTEM 3

Double-acting doors

Rotation 360°

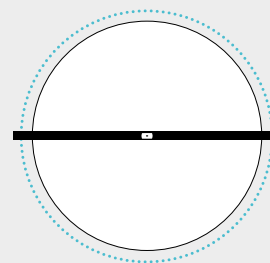
Hold positions 0°, 90°, 180°, 270°



## SYSTEM ONE

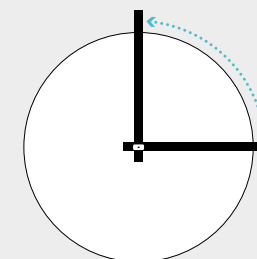
Double-acting doors

Rotation 360°



Single-acting doors

Rotation 90°



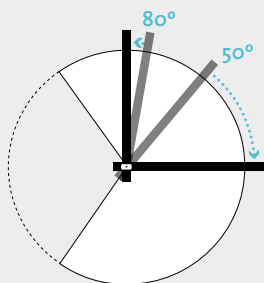
When the pivot hinge is placed on the left or right side of the door, allowing 90° rotation or 180° rotation, System M+, System M and System One are suitable choices. When the pivot hinge is placed in the middle of the door this will allow for 360° rotation. Both System 3 and System One are suitable choices.

# MOVEMENT

## SYSTEM M+ | SELF-CLOSING FROM 125° AND -125° TO 0°

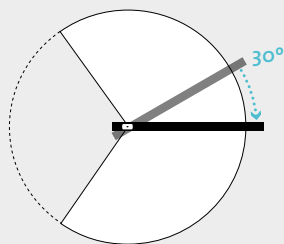
### 1. Damper Control

Back-check for damping on opening, soft-close.



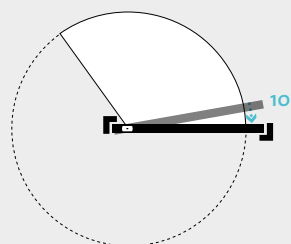
### 2. 30° Speed Control

Adjustable closing speed in last part of closing movement.



### L Latch Control

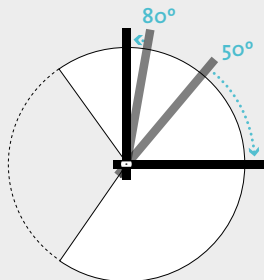
Accelerates the door shortly before closed position to ensure proper latching.



## SYSTEM M | SELF-CLOSING FROM 125° AND -125° TO 0°

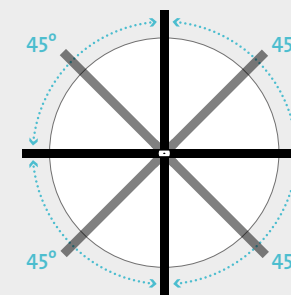
### 1. Damper Control

Back check for damping on opening, soft-close.



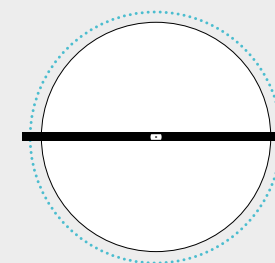
## SYSTEM 3

Door moves from each 45° angle, in both directions, to a hold position.



## SYSTEM ONE

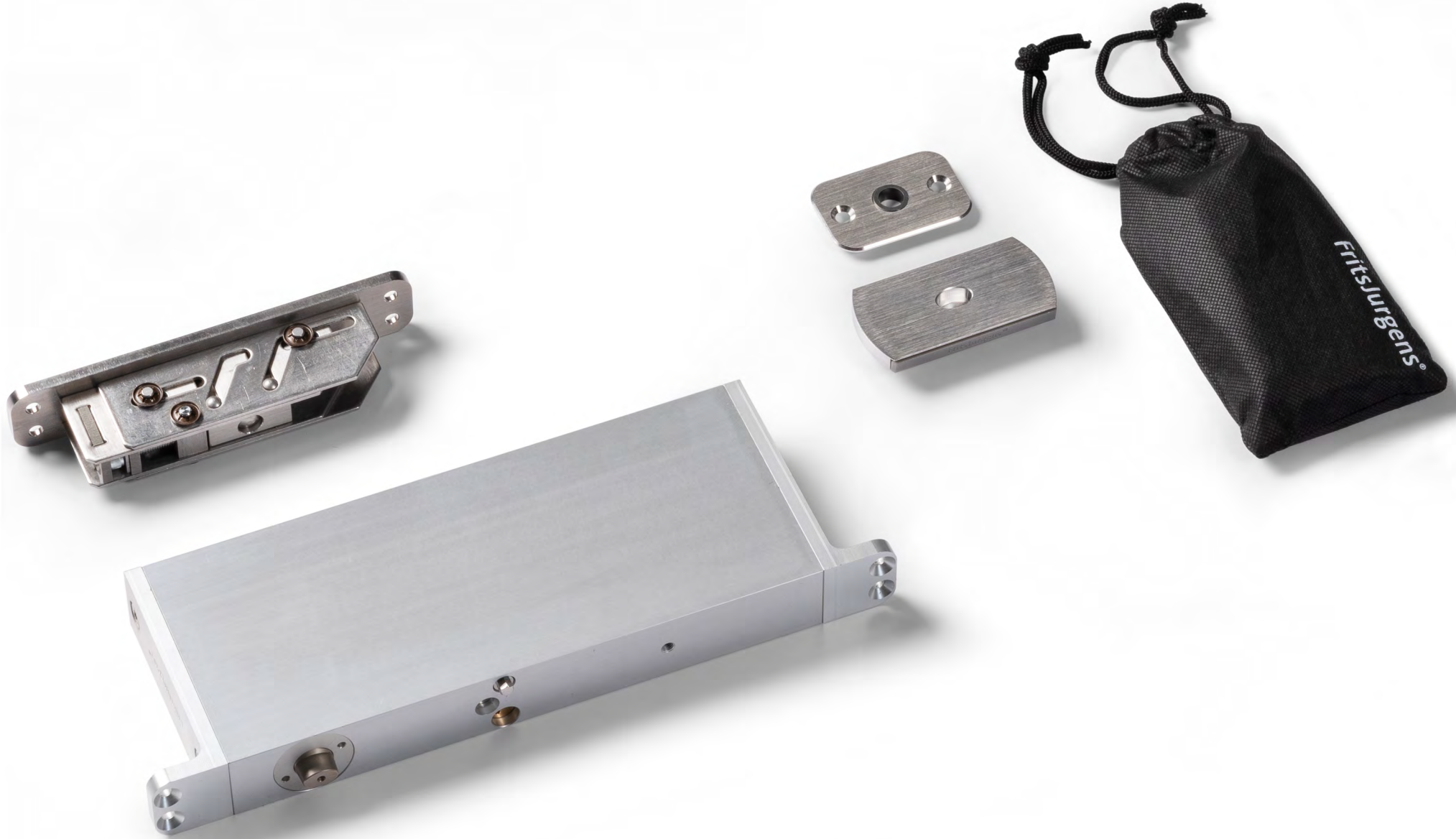
360° free-swinging pivot.



In System M and System M+ the movement of the pivot door is generated and controlled by FlowMotion. FlowMotion technology puts hydraulic power to use by turning it into a controlled, smooth door movement. This is what makes FlowMotion technology unique. System 3 can rotate 360° and is characterized by a hold position at every quarter of the circle. System One is the most compact system: the hinge acts as a revolving point.



## FRITSJURGENS SYSTEM M+/M



## SYSTEM M+

### SYSTEM SPECIFICATIONS

Types	M32+ SCA	
	M32+ SCB	
	M32+ SCC	
	M32+ SCD	
	M32+ SCE	
		M42+ SCF
		M42+ SCG
Dimensions	M32+ 294,8 x 32 x 99,6 mm	M42+ 308,2 x 42 x 112,7 mm
Weight	2,6 KG	3,6 KG
Material	Stainless Steel   Anodized aluminum	
Corrosion resistance	EN 1670 - class 5 (norm:o-5)	

### DOOR SPECIFICATIONS

Door acting	Double-acting   180° rotation	
	Single-acting   90° rotation with door frames*	
	<i>*Due to Latch Control (see previous page)</i>	
Hold positioning	Hold positions 90°, -90° and 0°	
Weight capacity	20-500 KG	
Door width	400 - 5000 mm	
Door height	Unlimited	
Pivot point	Min. 91 mm from pivot point to short side	
Min. door thickness	M32+ 40 mm	M42+ 50 mm

### DOOR MOVEMENT

Door movement	Self-closing from 125° and -125° to 0°	
	<b>Damper Control</b> - Back-check for damping on opening, soft-close.	
	<b>30° Speed Control</b> - Adjustable closing speed in last part of closing.	
	<b>Latch Control</b> - Accelerates the door shortly before closed position.	

*All controls can be individually adjusted from the bottom of the door.*

## SYSTEM M

### SYSTEM SPECIFICATIONS

Types	M32 SCAA
	M32 SCA
	M32 SCB
	M32 SCC
Dimensions	294,8 x 32 x 99,6 mm
Weight	2,6 KG
Material	Stainless Steel   Anodized aluminum
Corrosion resistance	EN 1670 - class 5 (norm:o-5)

### DOOR SPECIFICATIONS

Door acting	Double-acting   180° rotation	
	Single-acting   90° rotation	
Hold positioning	Hold positions 90°, -90° and 0°	
Weight capacity	20-210 KG	
Door width	400 - 4400 mm	
Door height	Unlimited	
Pivot point	Min. 91 mm from pivot point to short side	
Min. door thickness	40 mm	

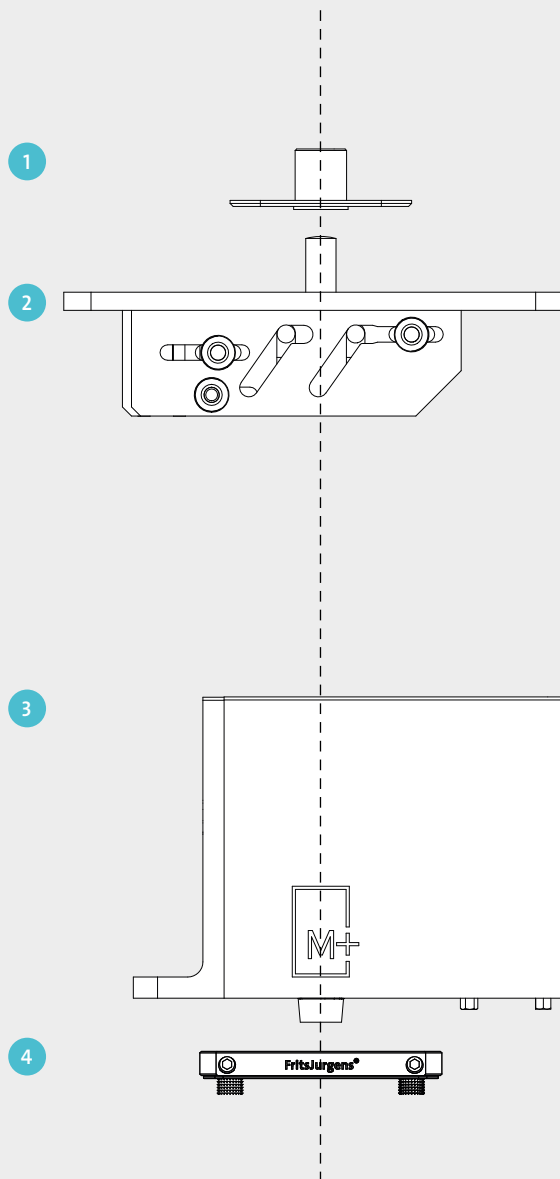
### DOOR MOVEMENT

Door movement	Self-closing from 125° and -125° to 0°	
	<b>Damper Control</b> - Back-check for damping on opening, soft-close.	

*Control can be individually adjusted from the bottom of the door.*

System M+ offers absolute control over the movement of pivot doors that weigh 20 to 500 kg and System M does this for doors between 20 and 210 kg. Both systems are equipped with FlowMotion technology.

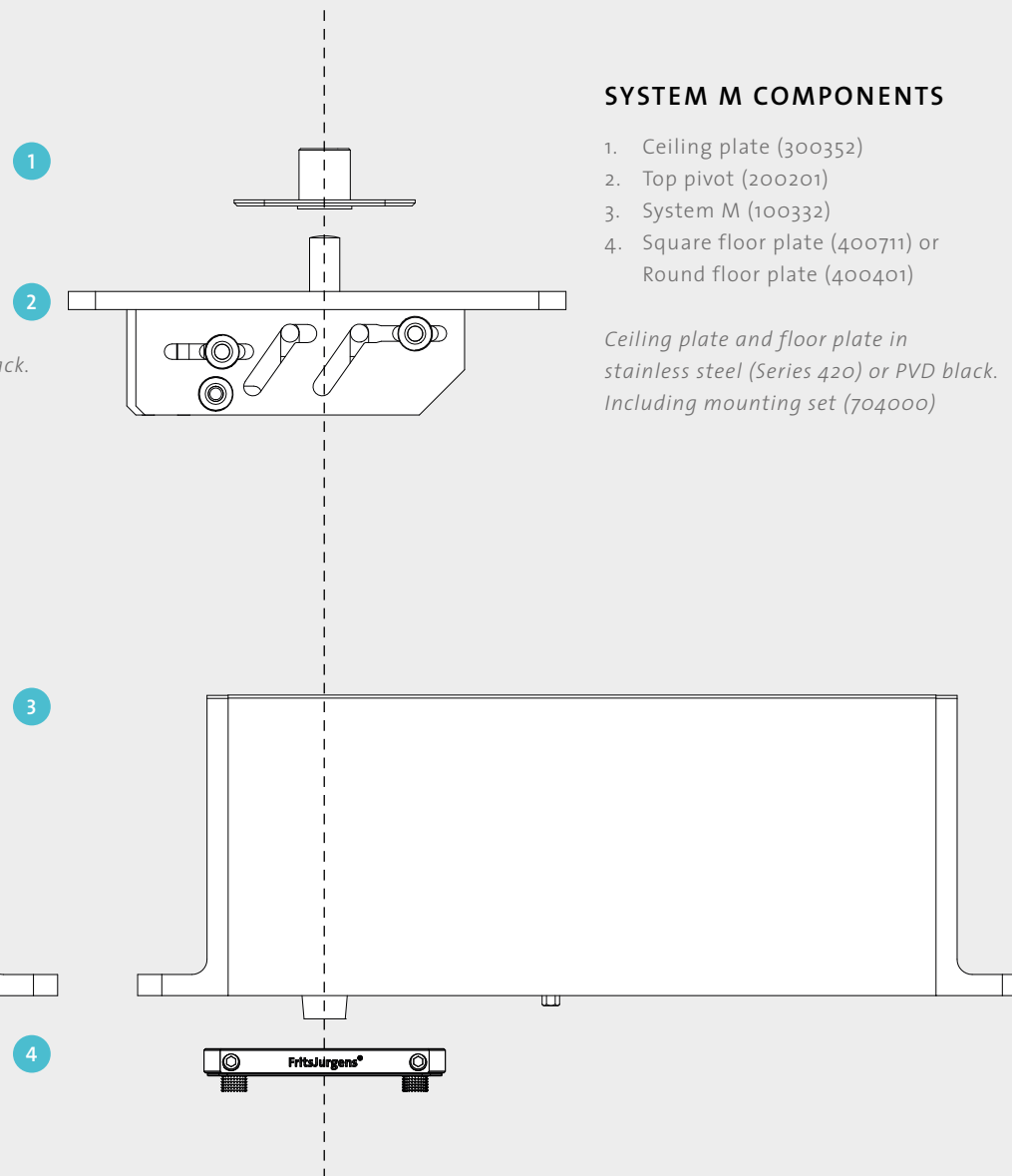




### SYSTEM M+ COMPONENTS

1. Ceiling plate (300352)
2. Top pivot (200201)
3. System M+ (100532)
4. Square floor plate (400711) or Round floor plate (400411)

*Ceiling plate and floor plate in stainless steel (Series 420) or PVD black. Including mounting set (704000)*



### SYSTEM M COMPONENTS

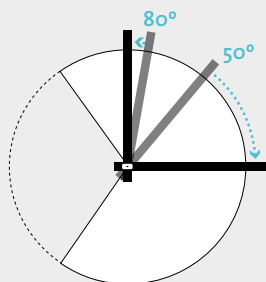
1. Ceiling plate (300352)
2. Top pivot (200201)
3. System M (100332)
4. Square floor plate (400711) or Round floor plate (400401)

*Ceiling plate and floor plate in stainless steel (Series 420) or PVD black. Including mounting set (704000)*

System M+ and System M include the components stated above. Both a square and a round floor plate are available in stainless steel (series 420) and PVD black. The floor plates are made of solid tempered steel and therefore fully corrosion and scratch resistant. The ceiling plate is also available in stainless steel and black to match with the chosen floor plate.

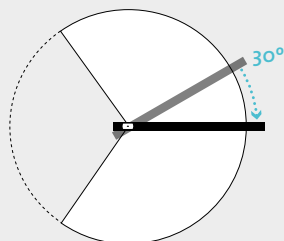
## SYSTEM M+ WITH FLOWMOTION®

### DAMPER CONTROL



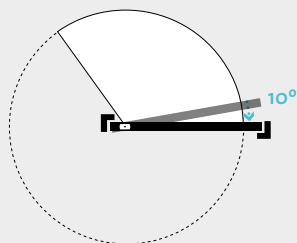
Damper Control has two functions. The hydraulic back-check protects the pivot door against touching the wall by providing adjustable resistance as the door approaches the 80° position. The closing damping makes the door close smoothly.

### 30° SPEED CONTROL



30° Speed Control allows you to fine-tune the speed of the pivot door through the last 30° of the closing movement.

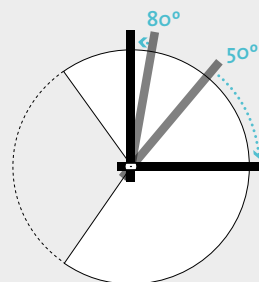
### LATCH CONTROL



Latch Control provides the ability to adjust the closing speed to latch the door properly. Latch Control enables the door to accelerate in the last 10° to ensure proper latching of the door.

## SYSTEM M WITH FLOWMOTION®

### DAMPER CONTROL

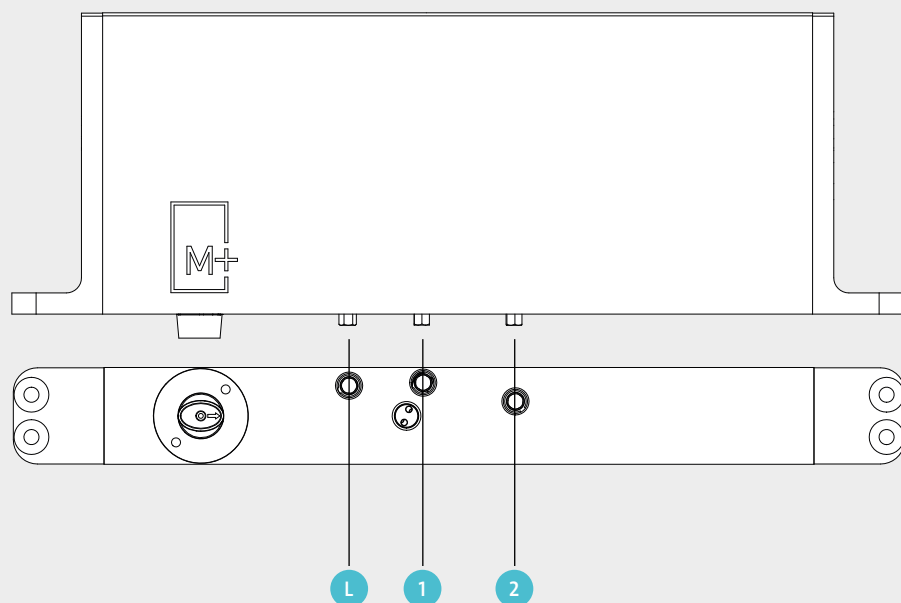


Damper Control has two functions. The hydraulic back-check protects the pivot door against touching the wall by providing adjustable resistance as the door approaches the 80° position. The closing damping makes the door close smoothly.

In System M+ and System M the movement of the pivot door is created and controlled by FlowMotion. System M+ provides extra levels of adjustability. It enables you to fully control the closing movement of the pivot door by means of the 30° Speed Control and Latch Control.

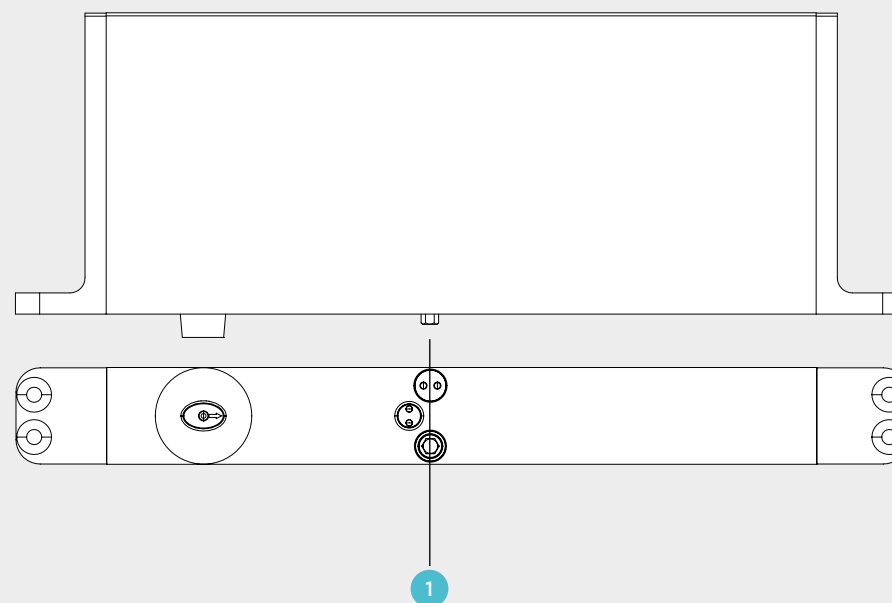


## SYSTEM M+ WITH FLOWMOTION®



- 1 Damper Control** Ensures a smooth and elegant closing movement and protects your door from touching the wall (back-check).
- 2 30° Speed Control** Allows you to determine the speed of the pivot door through the last part of the closing movement.
- L Latch Control** Provides the ability to adjust the pivot hinge to latch the door properly.

## SYSTEM M WITH FLOWMOTION®



- 1 Damper Control** Ensures a smooth and elegant closing movement and protects your door from touching the wall (back-check).

## TECHNICAL DRAWING SYSTEM M32+

1. Ceiling plate (300352)  
60 x 40 x 17 mm
2. Top pivot (200201)  
165 x 32 x 41 mm
3. System M32+ (100532)  
294,8 x 32 x 99,6 mm
4. Square floor plate (400711)  
80 x 40 x 9 mm

Optional:

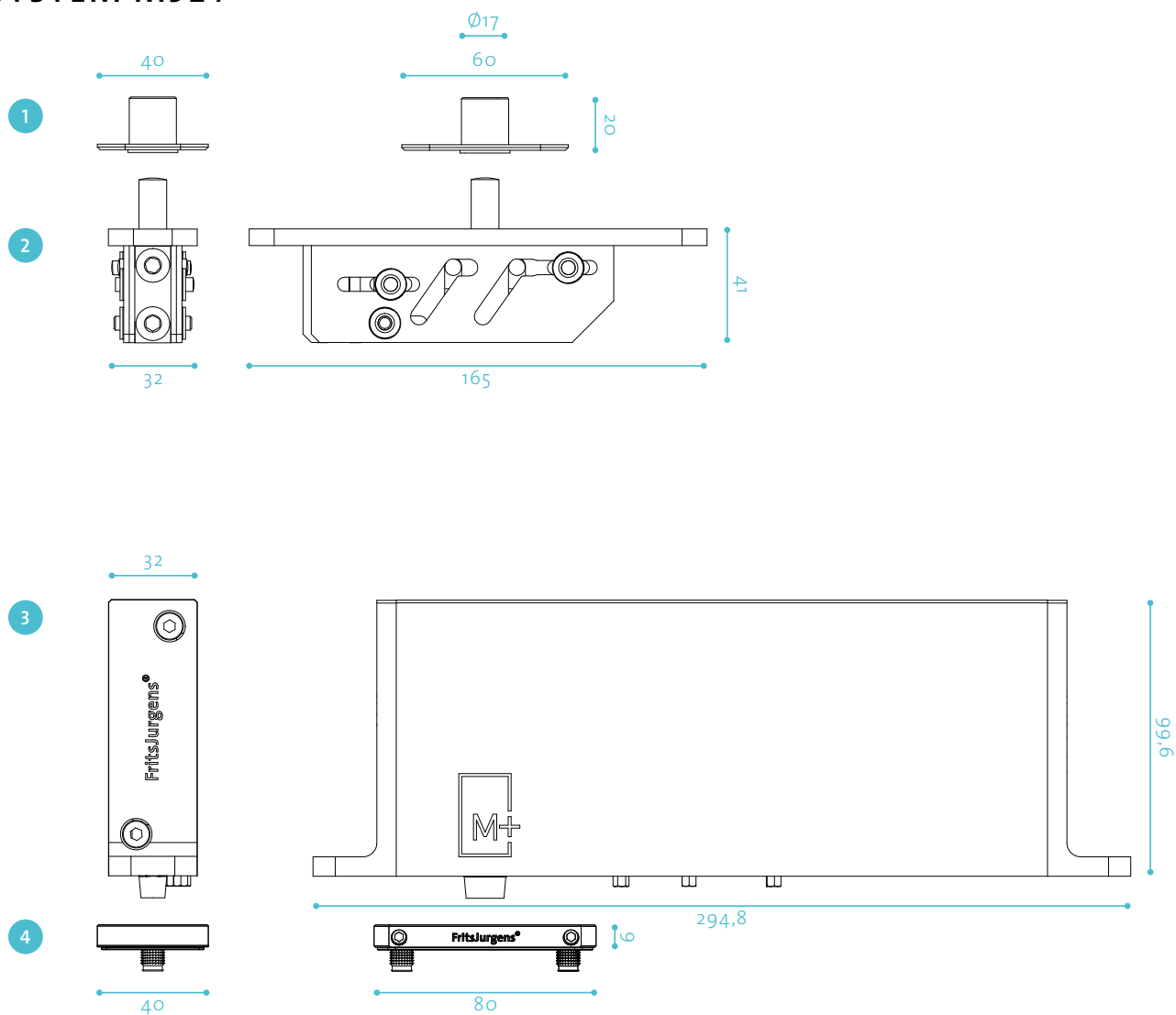
Round floor plate (400411)  
Ø80 x 9 mm

### Downloads

[System M32+ 2D drawing](#)

[System M32+ 3D drawing](#)

[System M32+ BIM model](#)





## TECHNICAL DRAWING SYSTEM M42+

1. Ceiling plate (300352)  
60 x 40 x 17 mm
2. Top pivot (200201)  
165 x 32 x 41 mm
3. System M42+ (100332)  
308,2 x 42 x 112,7 mm
4. Square floor plate (400711)  
80 x 40 x 9 mm

Optional:

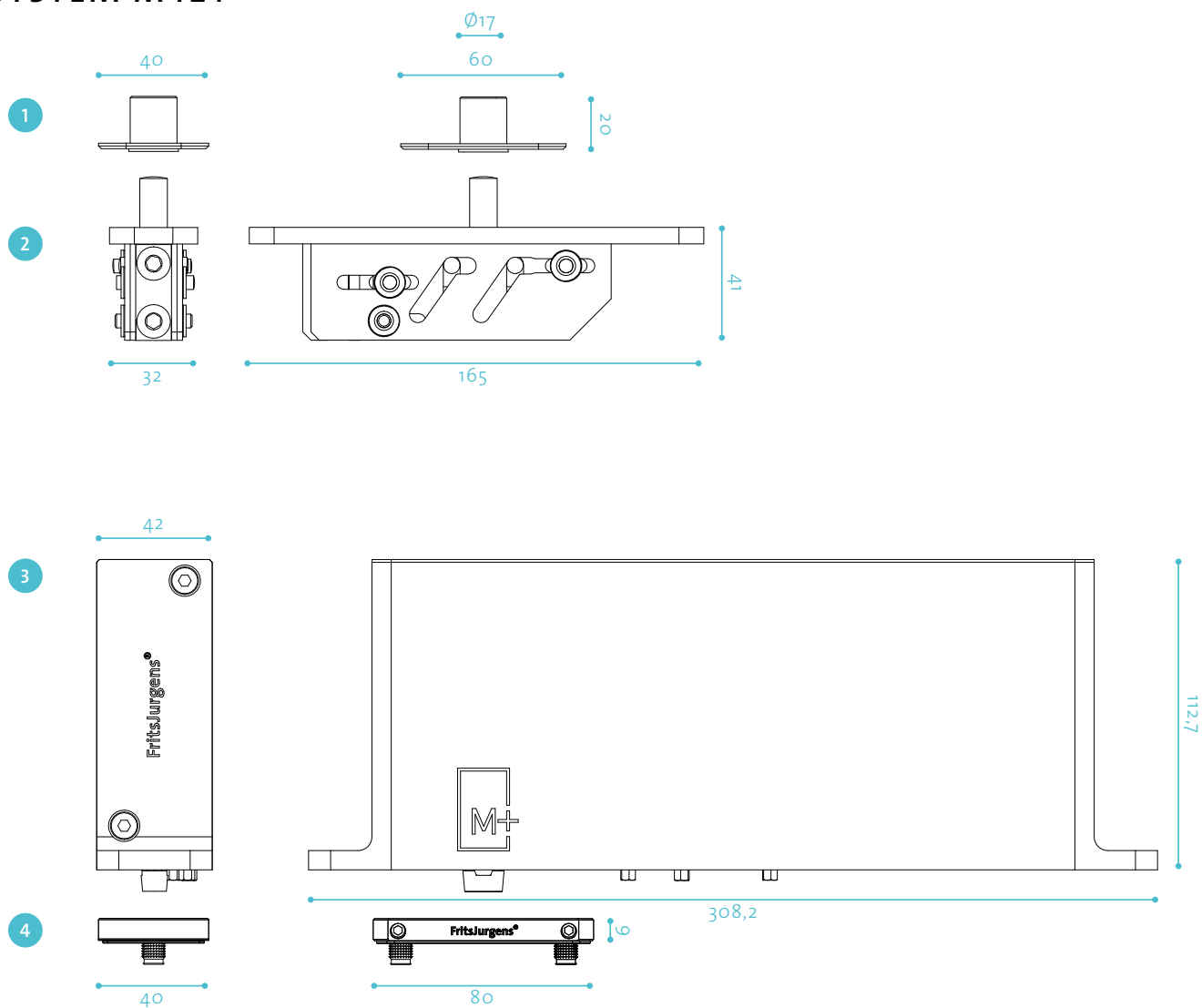
Round floor plate (400411)  
Ø80 x 9 mm

### Downloads

[System M42+ 2D drawing](#)

[System M42+ 3D drawing](#)

[System M42+ BIM model](#)



## TECHNICAL DRAWING SYSTEM M

1. Ceiling plate (300352)  
60 x 40 x 17 mm
2. Top pivot (200201)  
165 x 32 x 41 mm
3. System M32 (100332)  
294,8 x 32 x 99,6 mm
4. Square floor plate (400711)  
80 x 40 x 9 mm

Optional:

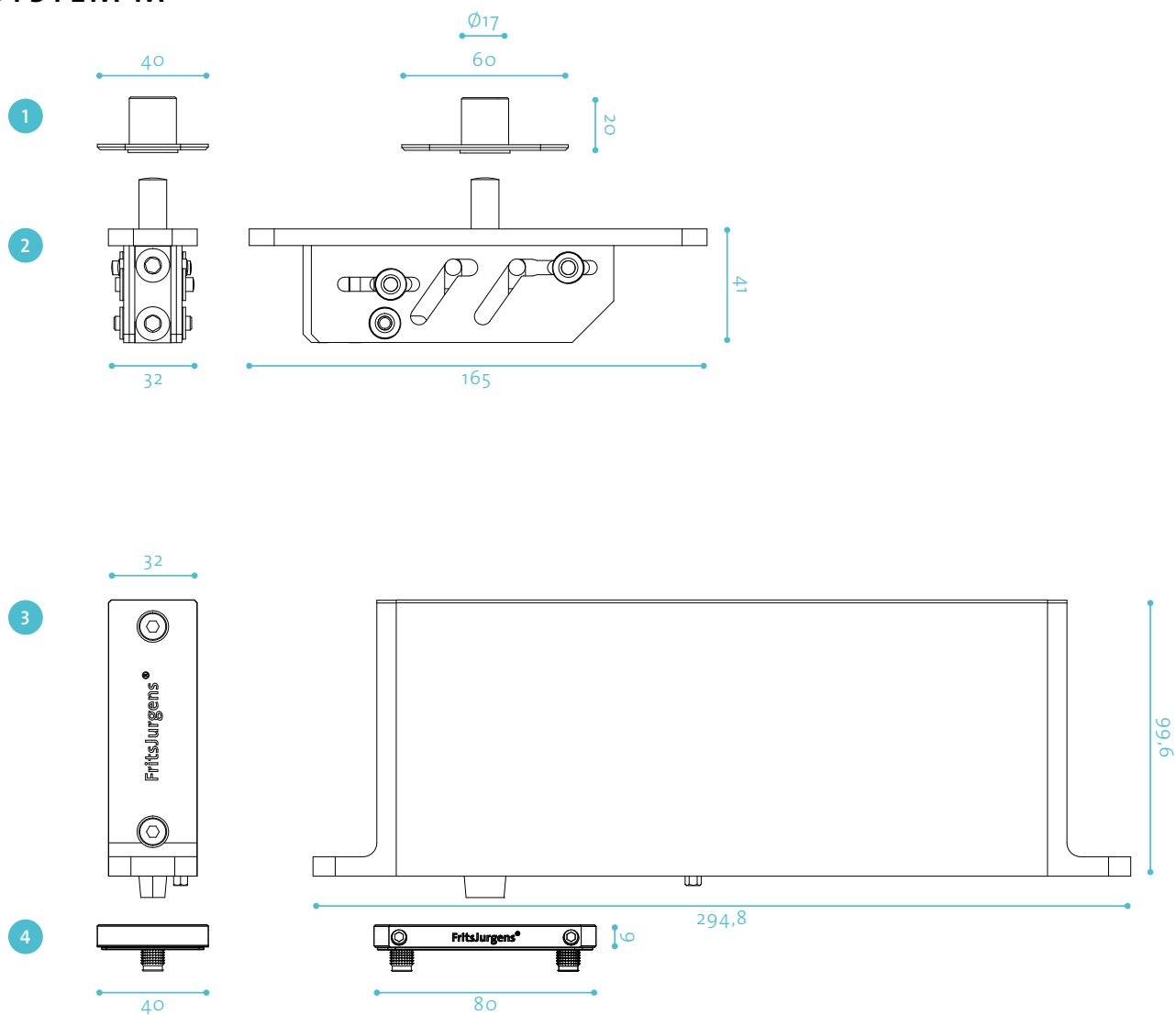
Round floor plate (400411)  
Ø80 x 9 mm

### Downloads

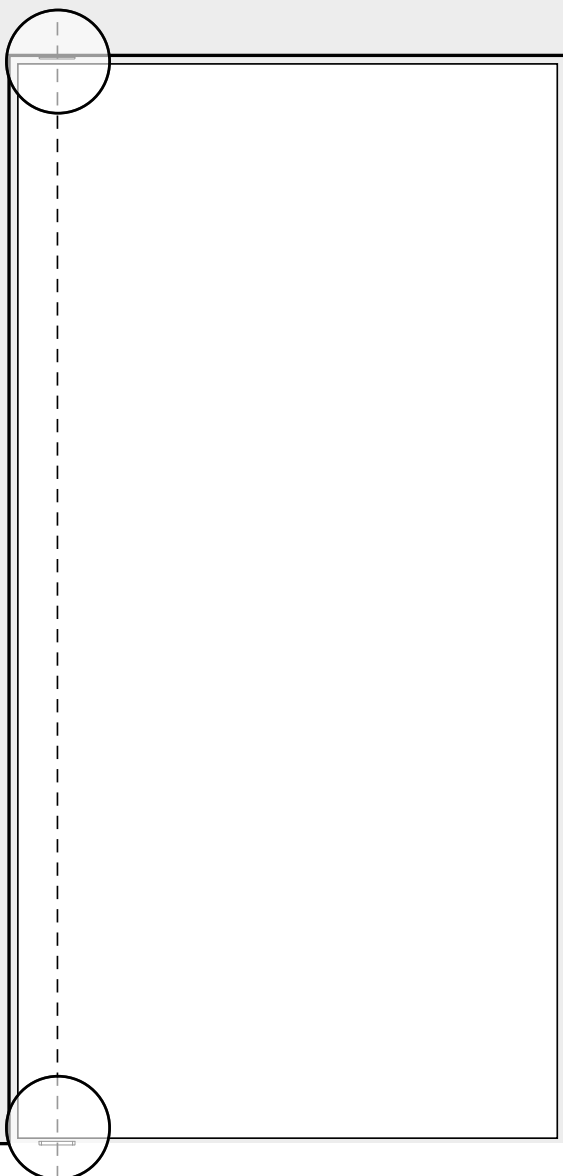
[System M 2D drawing](#)

[System M 3D drawing](#)

[System M BIM model](#)



## DESIGN OPTIONS SYSTEM M+/M



**Square floor plate (400711)**  
Stainless steel (Series 420)

80 x 40 x 9 mm

[Download drawing 2D](#)

[Download drawing 3D](#)

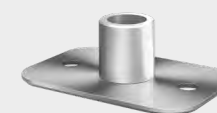


**Round floor plate (400411)**  
Stainless steel (Series 420)

Ø80 x 9 mm

[Download drawing 2D](#)

[Download drawing 3D](#)



**Ceiling plate (300352)**  
Stainless steel (Series 420)

60 x 40 x 17 mm

[Download drawing 2D](#)

[Download drawing 3D](#)



**Square floor plate (400712)**  
PVD black

80 x 40 x 9 mm

[Download drawing 2D](#)

[Download drawing 3D](#)

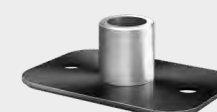


**Round floor plate (400412)**  
PVD black

Ø80 x 9 mm

[Download drawing 2D](#)

[Download drawing 3D](#)



**Ceiling plate (300353)**  
PVD black

60 x 40 x 17 mm

[Download drawing 2D](#)

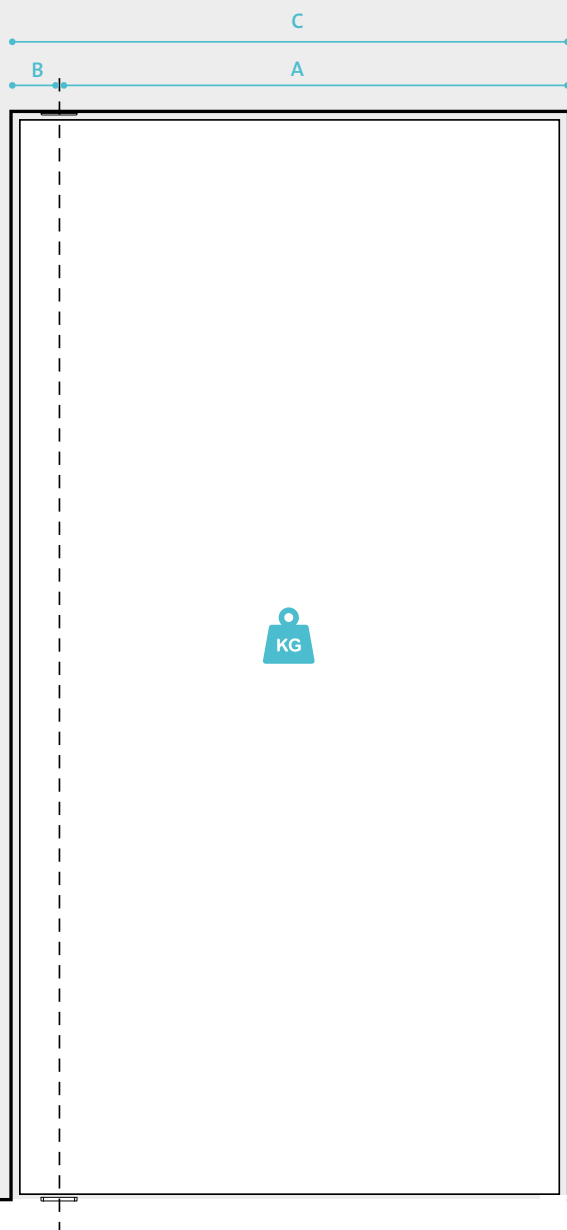
[Download drawing 3D](#)

The floor plate is available in two finishes and shapes: brushed stainless steel (Series 420) and PVD black and can be obtained in a round and a rectangular version. The floor plates by FritsJurgens are made of solid tempered steel and therefore fully scratch resistant. The ceiling plate is available in brushed stainless steel and black as well and can be obtained in the rectangular version only.



## SYSTEM M+/M MODEL SELECTOR

[www.fritsjurgens.com/M](http://www.fritsjurgens.com/M)



To ensure the pivot hinge provides the appropriate movement for your door, System M+ is available in seven models and System M in four models suited to the weight and width of the door. There are no limits to the height of the door.

System M+ is suitable for pivot doors covering a range between 20 and 500 kg and is suitable for single- and double-acting doors. When combined with the door frames, the Latch Control ensures the door closes properly.

System M is suitable for pivot doors covering a range between 20 and 210 kg.

### EXAMPLE

Use the selection table on the next page.

Specifications door: Width 1600 mm, height 3200 mm, weight 165 kg. The distance between the pivot point of the hinge and the side of the door is 91 mm.

1. Determine the distance of pivot point to the latch side of the door:

$$C \text{ minus } B = A: 1509 \text{ mm}$$

2. Check the door width

$$C = 1600 \text{ mm}$$

3. Fill in the weight

$$KG = 165 \text{ kg}$$

The following system suits this door:

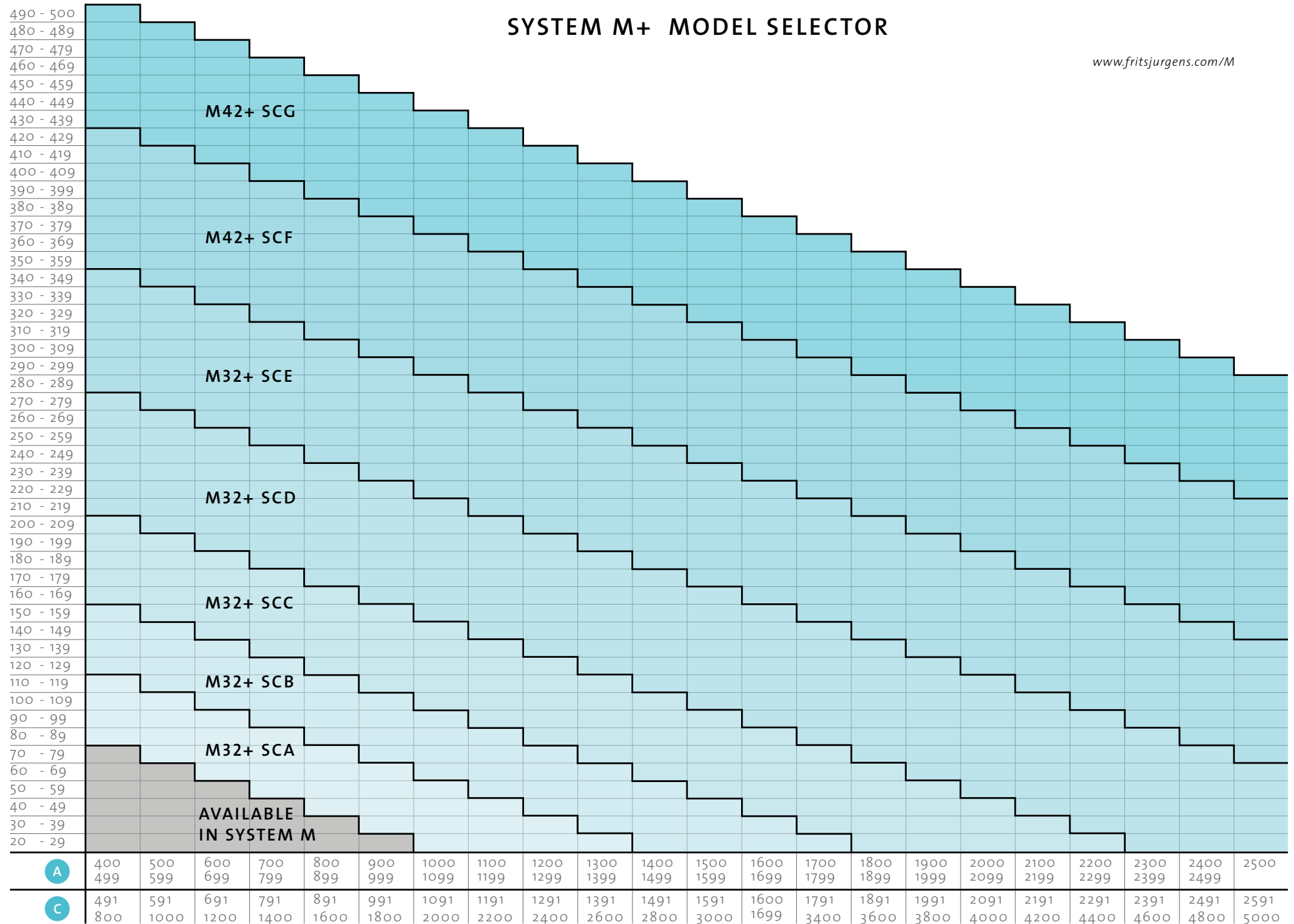
**M32(+)** SCD

Does your pivot door have other measurements than shown here? Please do not hesitate to contact us. FritsJurgens has an on-site testing facility which enables us to determine whether our systems are suitable for your specific situation.



## SYSTEM M+ MODEL SELECTOR

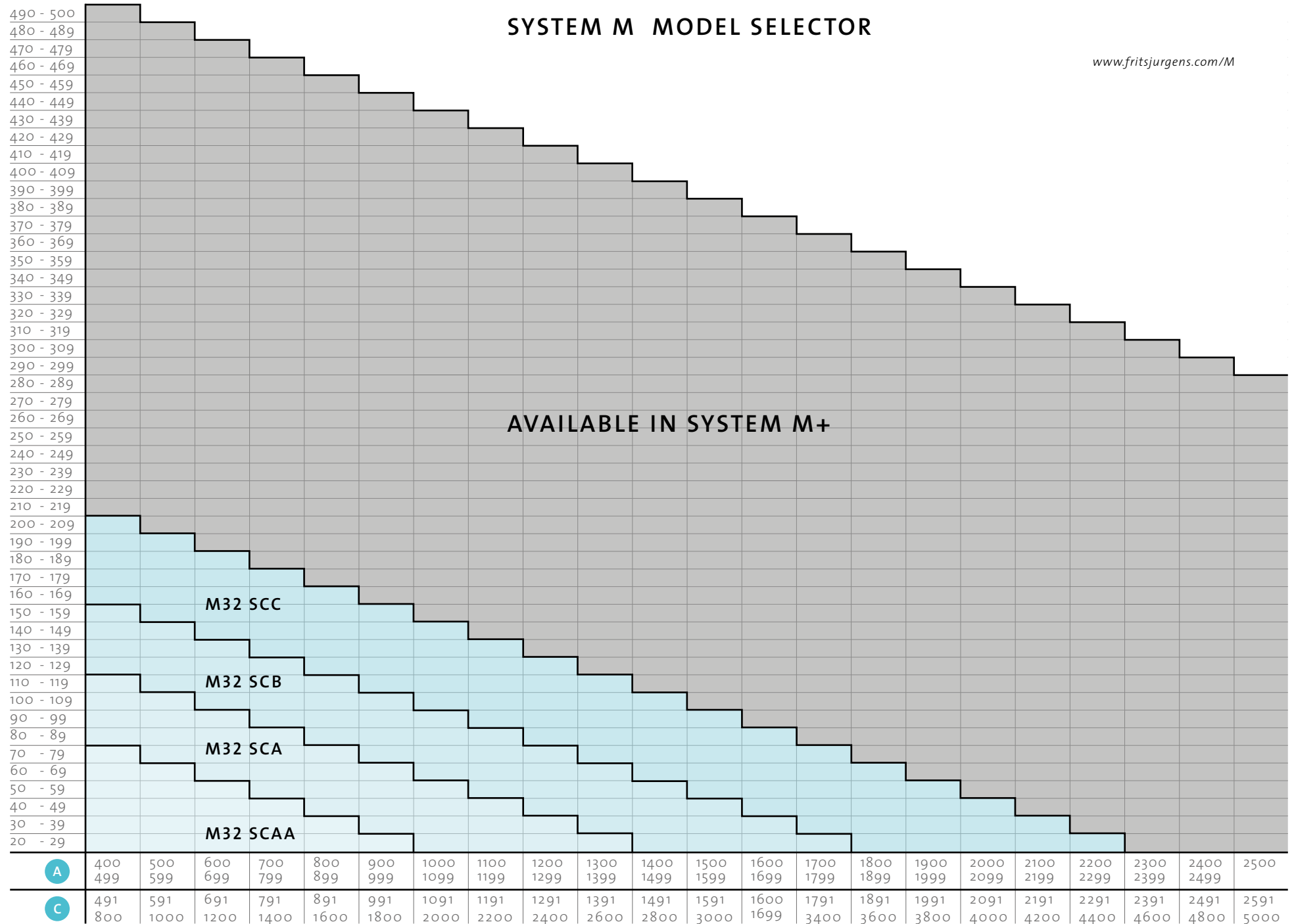
[www.fritsjurgens.com/M](http://www.fritsjurgens.com/M)





## SYSTEM M MODEL SELECTOR

[www.fritsjurgens.com/M](http://www.fritsjurgens.com/M)



## FRITSJURGENS SYSTEM 3





## SYSTEM 3

### SYSTEM SPECIFICATIONS

Types	System 3-9016 System 3-9020 System 3-9024 System 3-9028
Dimensions	160 x 32 x 143 mm
Weight	0,75 KG
Material	Stainless Steel   Anodized aluminum
Corrosion resistance	EN 1670 - class 5 (norm:0-5)

### DOOR SPECIFICATIONS

Door acting	Double-acting   360° rotation
Hold positioning	Hold positions 0°, 90°, 180° and 270°
Weight capacity	40-350 KG
Door width	1000 - 3800 mm
Door height	Unlimited
Pivot point	Middle
Min. door thickness	40 mm

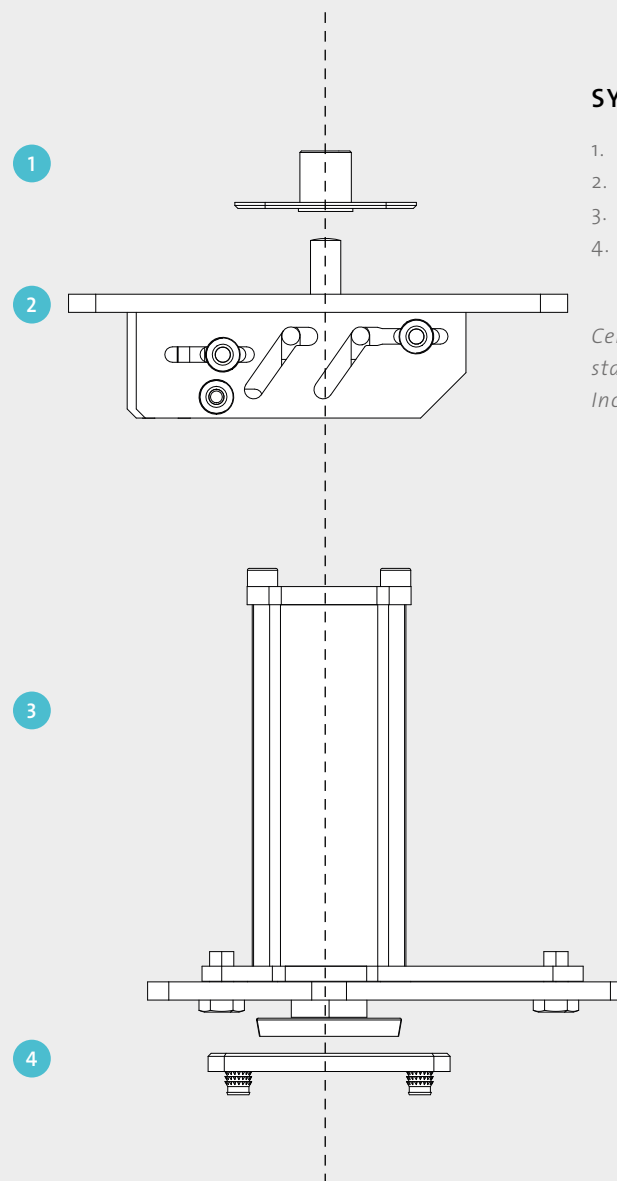
### DOOR MOVEMENT

Door movement	Door moves from each 45° angle, in both directions, to a hold position.
---------------	---

### SYSTEM 3 COMPONENTS

1. Ceiling plate (300352)
2. Top pivot (200201)
3. System 3 (1001XX)
4. Square floor plate (400601) or Round floor plate (400401)

*Ceiling plate and floor plate in stainless steel (Series 420). Including mounting set (701000)*



System 3 is very suitable for room dividers and can be applied to create doors that rotate 360°. With this pivot hinge, a door can rotate in a full circle. System 3 has hold positions at every 90° angle and the door always moves to one of the hold positions.

## TECHNICAL DRAWING SYSTEM 3

1. Ceiling plate (300352)  
60 x 40 x 17 mm
2. Top pivot (200201)  
165 x 32 x 41 mm
3. System 3 (1001XX)  
160 x 32 x 143 mm
4. Square floor plate (400601)  
80 x 40 x 6 mm

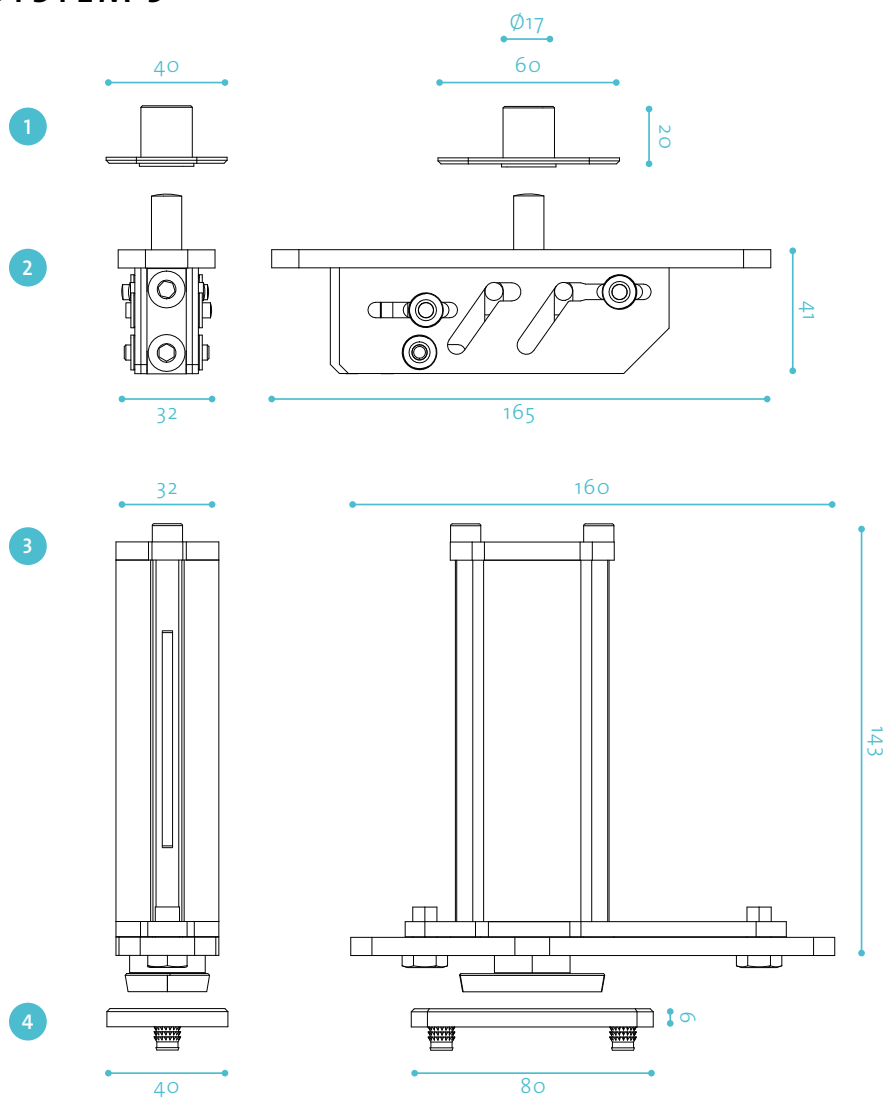
Optional:  
Round floor plate (400401)  
Ø80 x 6 mm

### Downloads

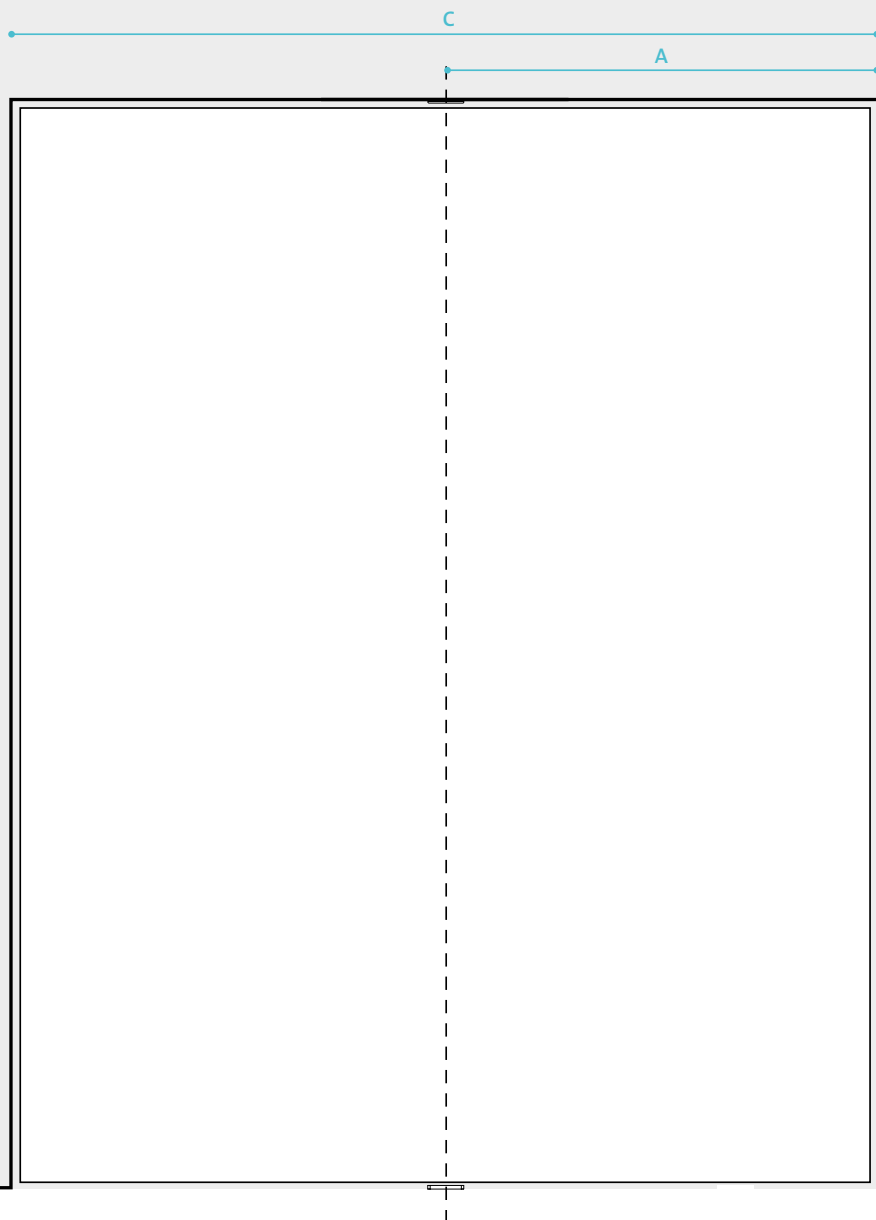
[System 3 2D drawing](#)

[System 3 3D drawing](#)

[System 3 BIM model](#)



## SYSTEM 3 - MODEL SELECTOR



[www.fritsjurgens.com/3](http://www.fritsjurgens.com/3)

To ensure the pivot hinge provides the appropriate movement for your door, System 3 is available in four models suited to the weight and with of the door. There are no limits to the height of the door.

For the optimal operation of the pivot door in case of particularly high doors and / or pressure differences in the building, select the next heavier System 3 variant, to ensure the closing force.

### EXAMPLE

Use the selection table at the next page. Specifications door:  
Width 2400 mm, height 3200 mm, weight 165 kg.

1. Check the door width  
**C = 2400 mm**
2. Determine the distance of pivot point to the latch side of the door:  
**A (C:2) 2400 mm : 2 = 1200 mm**
3. Fill in the weight  
**KG = 165 kg**

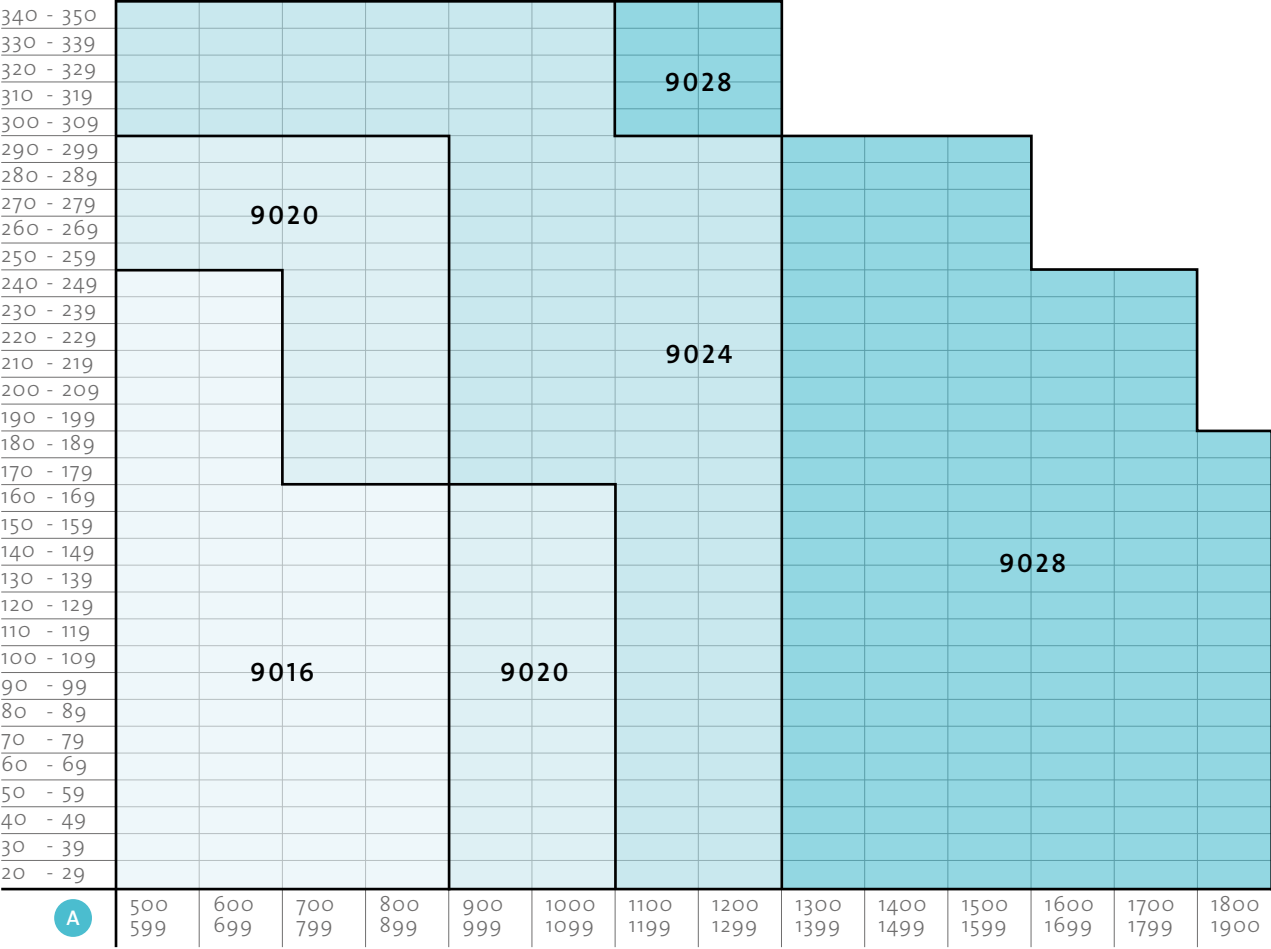
The following system suits this door:

**9024**

Does your pivot door have other measurements than shown here? Please do not hesitate to contact us. FritsJurgens has an on-site testing facility which enables us to determine whether our systems are suitable for your specific situation.

# SYSTEM 3 MODEL SELECTOR

[www.fritsjurgens.com/3](http://www.fritsjurgens.com/3)





## FRITSJURGENS SYSTEM ONE



# SYSTEM ONE

## SYSTEM SPECIFICATIONS

Type	System One
Dimensions	160 x 32 x 39 mm
Weight	0,36 KG
Material	Stainless Steel   Anodized aluminum
Corrosion resistance	EN 1670 - class 5 (norm:o-5)

## DOOR SPECIFICATIONS

Door Acting	Double-acting   360° rotation Single-acting   90° rotation
Weight capacity	0-500 KG
Door width	Unlimited
Door height	Unlimited
Pivot point	Min. 91 mm from pivot point to short side
Min. door thickness	40 mm

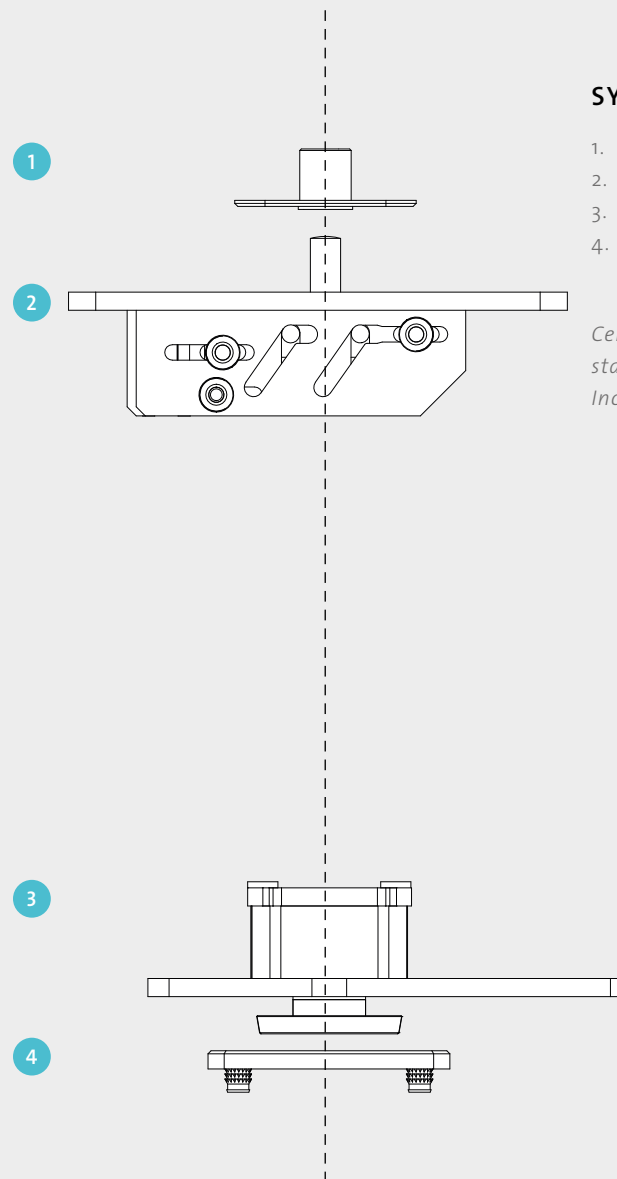
## DOOR MOVEMENT

Door movement	360° free-swinging pivot
---------------	--------------------------

## SYSTEM ONE COMPONENTS

1. Ceiling plate (300352)
2. Top pivot (200201)
3. System One (100101)
4. Square floor plate (400601) or Round floor plate (400401)

*Ceiling plate and floor plate in stainless steel (Series 420). Including mounting set (701000)*

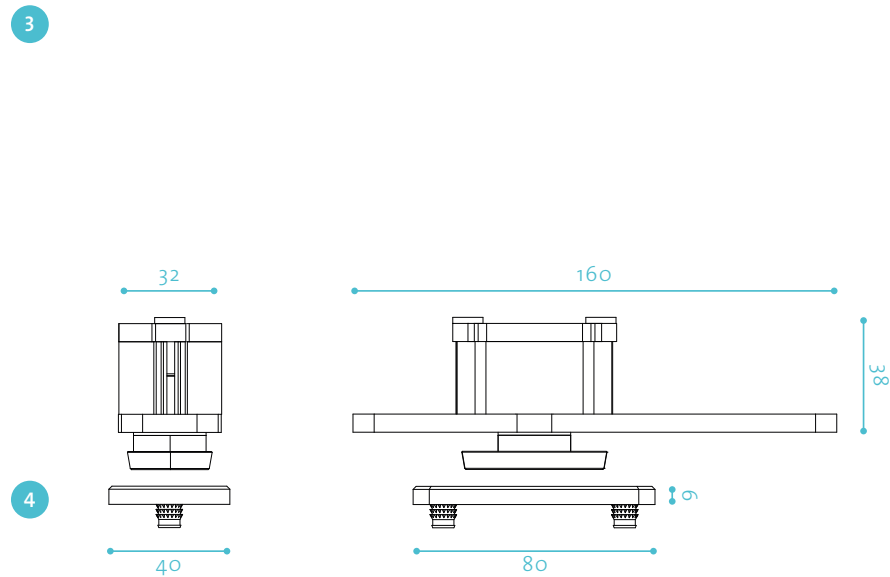
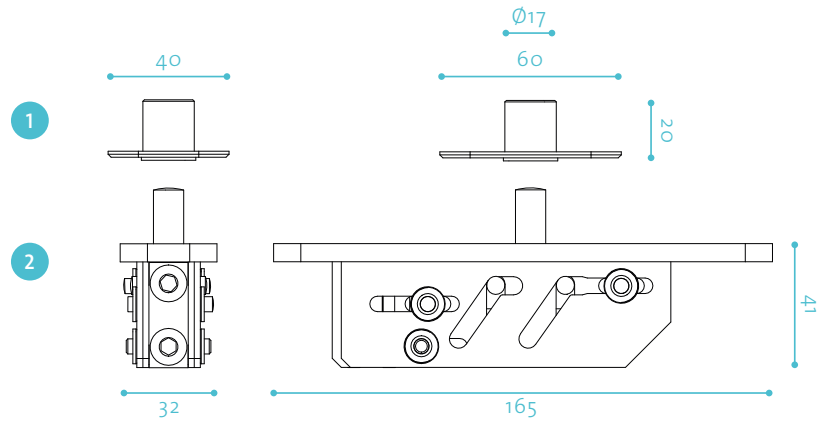


## TECHNICAL DRAWING SYSTEM ONE

1. Ceiling plate (300352)  
60 x 40 x 17 mm
2. Top pivot (200201)  
165 x 32 x 41 mm
3. System One (100101)  
160 x 32 x 38 mm
4. Square floor plate (400601)  
80 x 40 x 6 mm

Optional:

Round floor plate (400401)  
Ø80 x 6 mm



### Downloads

[System One 2D drawing](#)

[System One 3D drawing](#)

[System One BIM model](#)

## PRESSURE LOAD

### AREA

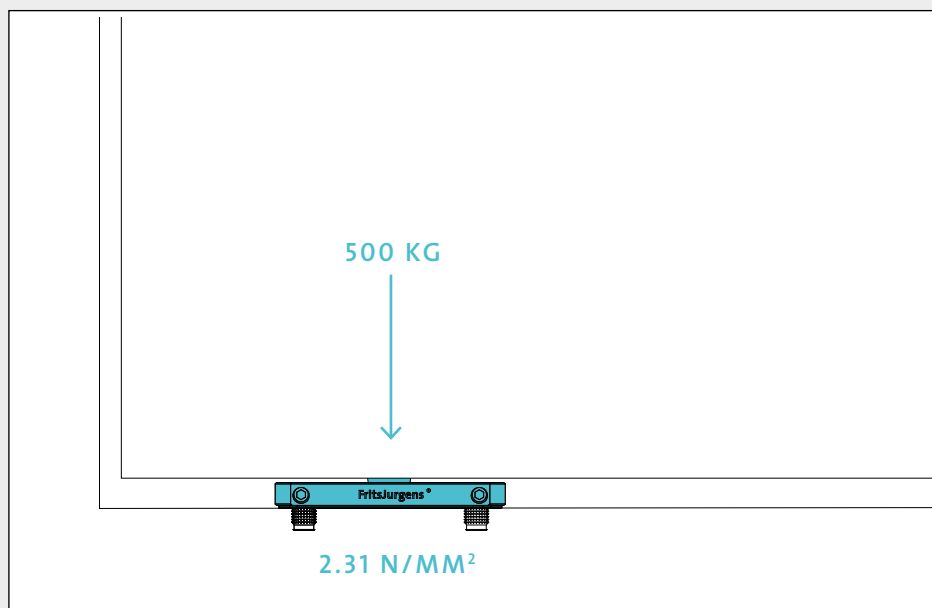
2119 mm<sup>2</sup>

### WEIGHT

500 kg = 4905 N

### PRESSURE LOAD

2.31 N/mm<sup>2</sup>



## AS A REFERENCE

### AREA

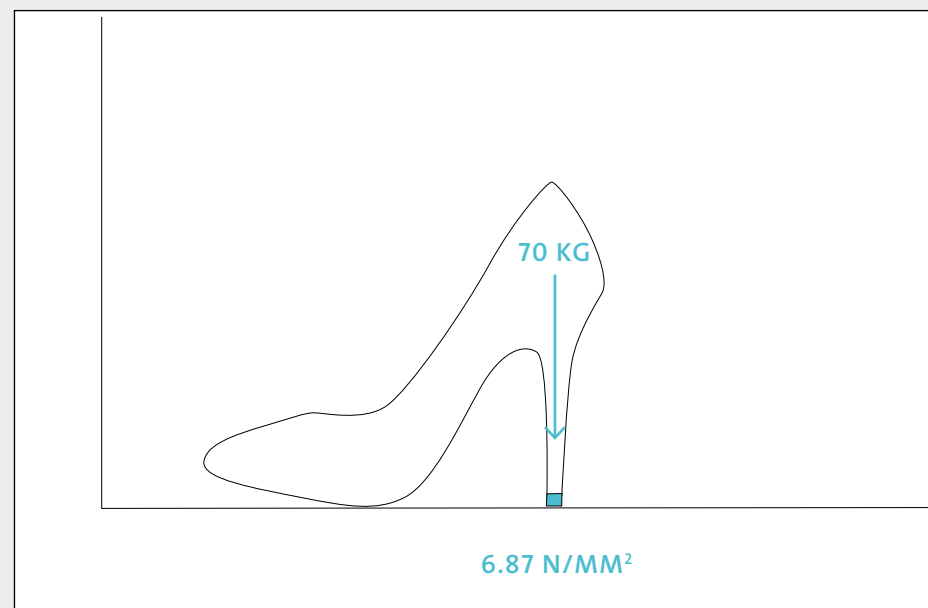
100 mm<sup>2</sup>

### WEIGHT

70 kg = 687 N

### PRESSURE LOAD

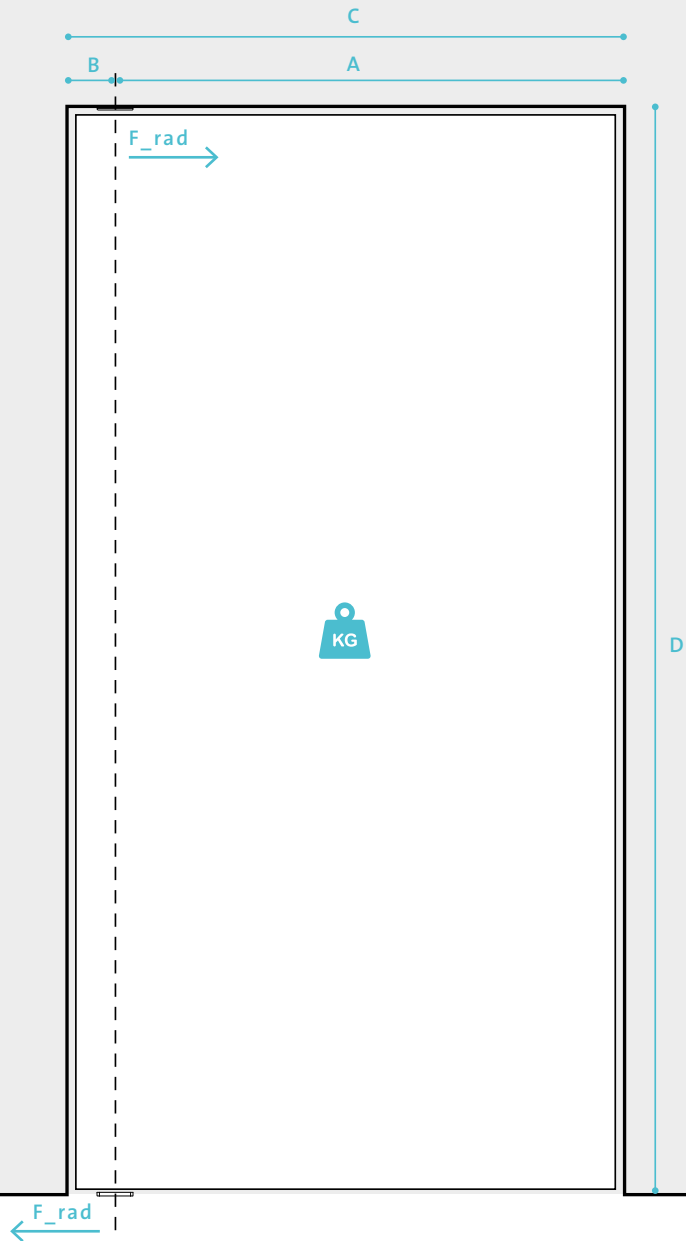
6.87 N/mm<sup>2</sup>



A door with a FritsJurgens pivot bears on a 40x80 mm floor plate and produces a pressure load (Fw) of 1.80 N/mm<sup>2</sup> with a door of 500 kg. For application on your floor we refer to the specifications of the floor manufacturer. As a reference: a woman of circa 70 kg wearing high heels produces a pressure load (Fw) of 6.87 N/mm<sup>2</sup>. All dimensions in mm.



# LATERAL FORCE (EXAMPLE)



**B=91 MM, WEIGHT DOOR 500 KG**

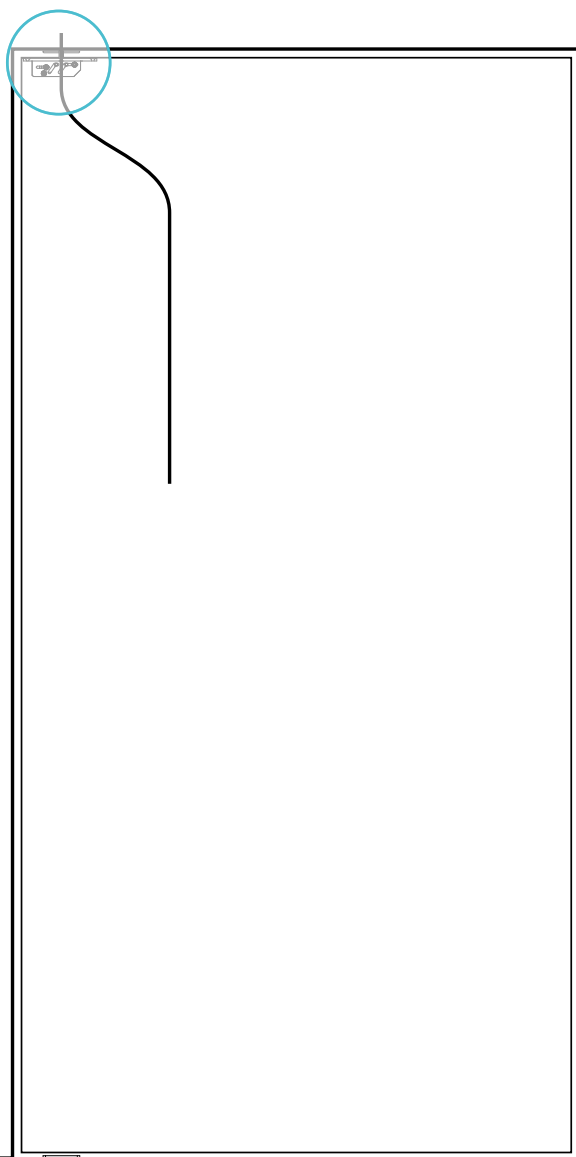
3000	260 N	464 N	669 N	873 N	1078 N	1282 N	1486N
2900	269 N	480 N	692 N	903 N	1115 N	1326 N	1538 N
2800	279 N	498 N	717 N	936 N	1154 N	1373 N	1592 N
2700	289 N	516 N	743 N	970 N	1197 N	1424 N	1651 N
2600	300 N	536 N	772 N	1007 N	1243 N	1479 N	1715 N
2500	312 N	557 N	803 N	1048 N	1293 N	1538 N	1784 N
2400	325 N	580 N	836 N	1091 N	1347 N	1602 N	1858 N
2300	339 N	606 N	872 N	1139 N	1405 N	1672 N	1939 N
2200	355 N	633 N	912 N	1191 N	1469 N	1748 N	2027 N
2100	371 N	663 N	955 N	1247 N	1539 N	1831 N	2123 N
2000	390 N	697 N	1003 N	1310 N	1616 N	1923 N	2229 N
	500	750	1000	1250	1500	1750	2000

**B=1/5 WIDTH DOOR, WEIGHT DOOR 500 KG**

3000	245 N	368 N	491 N	613 N	736 N	858 N	981 N
2900	254 N	381 N	507 N	634 N	761 N	888 N	1015 N
2800	263 N	394 N	526 N	657 N	788 N	920 N	1051 N
2700	273 N	409 N	545 N	681 N	818 N	954 N	1090 N
2600	283 N	425 N	566 N	708 N	849 N	990 N	1132 N
2500	294 N	442 N	589 N	736 N	883 N	1030 N	1177 N
2400	307 N	460 N	613 N	766 N	920 N	1030 N	1226 N
2300	320 N	480 N	640 N	800 N	960 N	1120 N	1280 N
2200	334 N	502 N	669 N	836 N	1003 N	1171 N	1338 N
2100	350 N	526 N	701 N	876 N	1051 N	1226 N	1401 N
2000	368 N	552 N	736 N	920 N	1104 N	1288 N	1472 N
	500	750	1000	1250	1500	1750	2000

The minimum distance for B is 91 mm. See above for two examples. As a result of the placement of System 3 or System One in the middle of the door, there is no extra lateral force ( $f_{rad}$ ) on the floor and ceiling.

## ACCESSORIES: CABLE GROMMET



The Cable Grommet is an addition to the existing FritsJurgens top pivot range and enables wiring in the door. This top pivot contains an integrated cable grommet of  $\varnothing 7.5$  mm. This version of the top pivot is available with every FritsJurgens system and replaces the standard delivered top pivot and ceiling plate within a complete set.

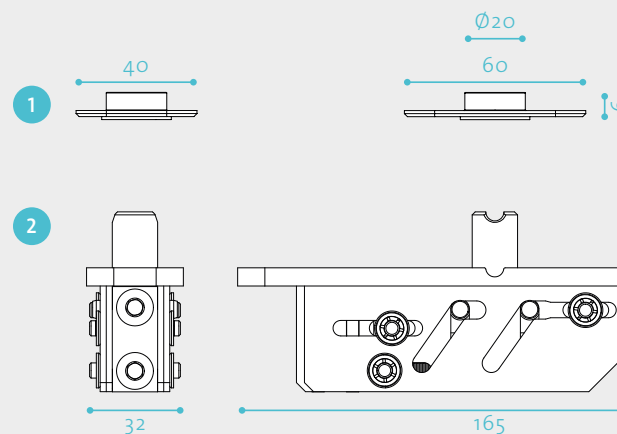
# CABLE GROMMET

## SPECIFICATIONS

Types	FritsJurgens top pivot - cable entry (200211) FritsJurgens ceiling plate - cable entry (300361)
Dimensions	165 x 32 x 41 mm

## FOR TYPES OF DOORS

Door acting	Double-acting Single-acting
Weight capacity	0-500 KG
Door width	Unlimited
Door height	Unlimited
Pivot point	Min. 91 mm from pivot point to short side
Min. door thickness	40 mm



## CABLE GROMMET COMPONENTS

1. Top pivot - cable entry
2. Ceiling plate - cable entry

## Downloads

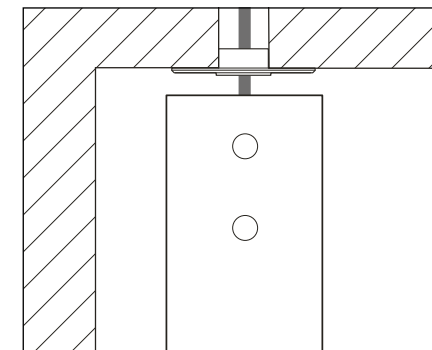
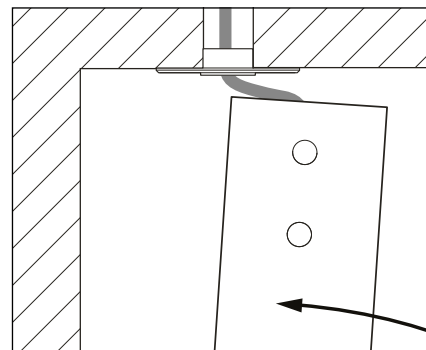
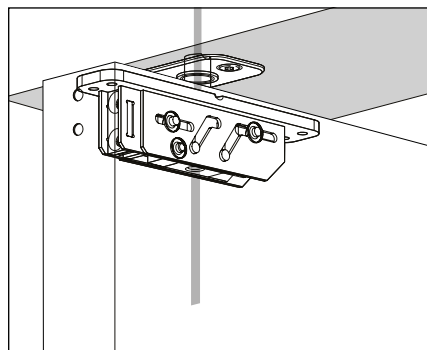
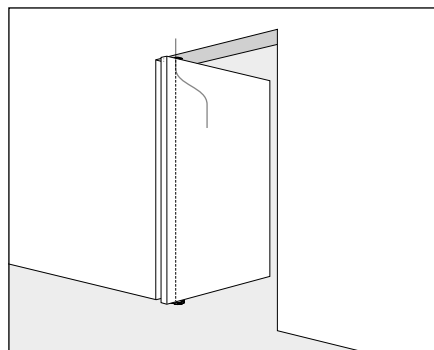
[Top pivot - cable entry 2D drawing](#)

[Top pivot - cable entry 3D drawing](#)

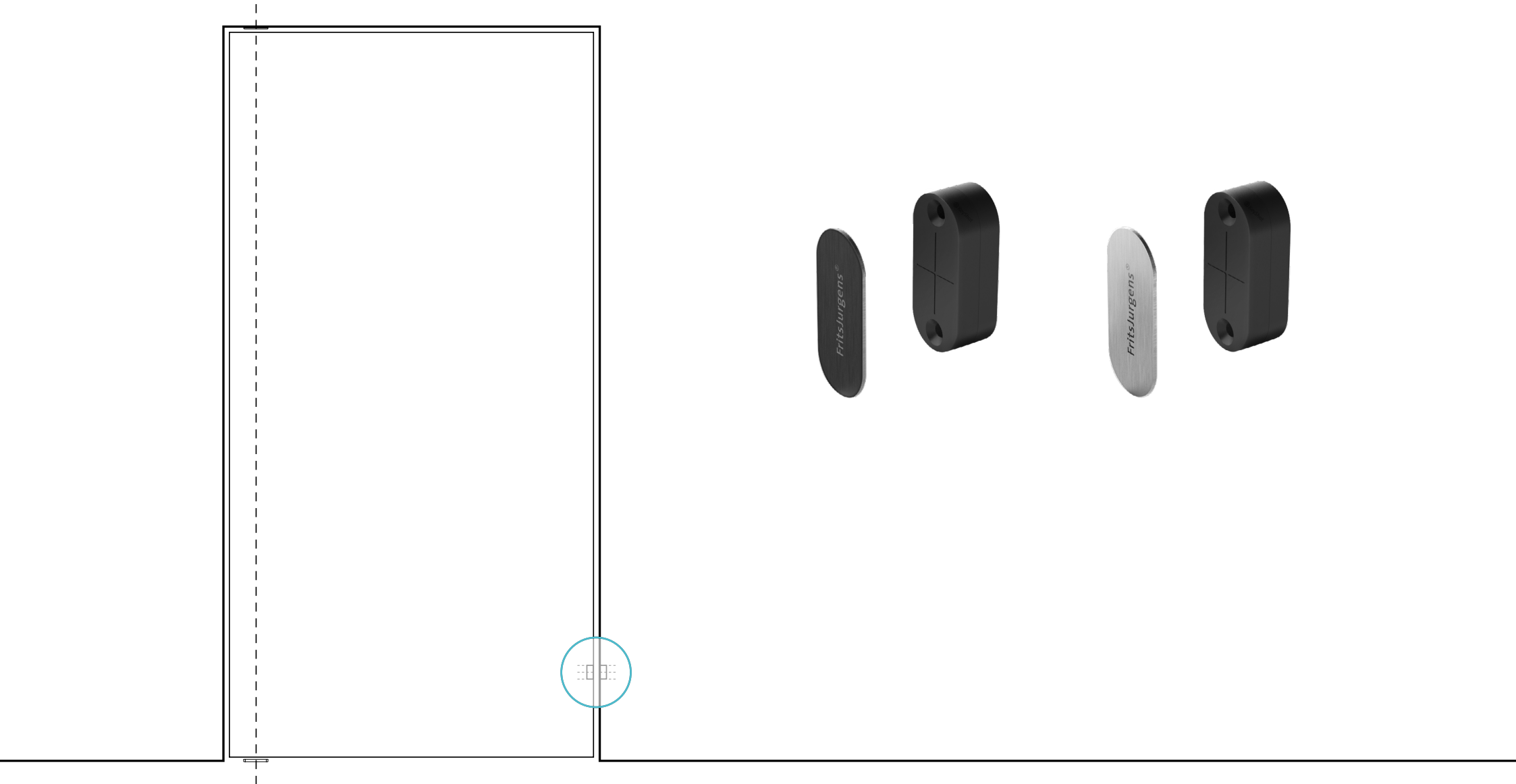
[Ceiling plate - cable entry 2D drawing](#)

[Ceiling plate - cable entry 3D drawing](#)

## INSTALLATION



## ACCESSORIES: FLUSH



The Flush consists of two strong magnets. These are mounted in the bottom side of the pivot door and the adjacent wall. The Flush hereby strengthens the 0° position of every pivot door, regardless its size or weight. The pivot door is always perfectly in line with the adjacent wall or door. A seamless junction, fully 'flush'.



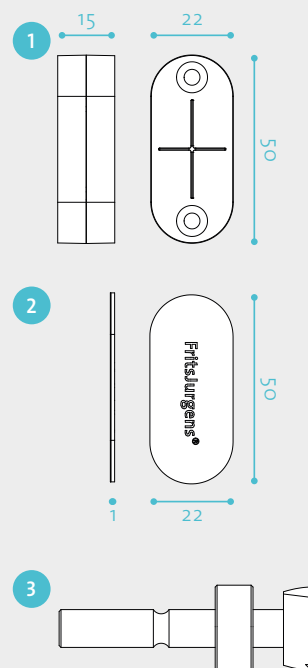
# FLUSH

## SPECIFICATIONS

Types	FritsJurgens Flush 707001 (stainless steel) FritsJurgens Flush 707002 (black)
	Optional: Forstner drill bit Ø22 mm (with clamping ring)
Dimensions	50 x 22 x 15 mm

## FOR TYPES OF DOORS

Door acting	Double-acting Single-acting
Weight capacity	0-500 KG
Door width	Unlimited
Door height	Unlimited
Pivot point	Min. 91 mm from pivot point to short side
Min. door thickness	40 mm



## FLUSH COMPONENTS

1. Magnets (2x)
2. Cover plates (2x)
3. Optional: drill bit Ø22 mm

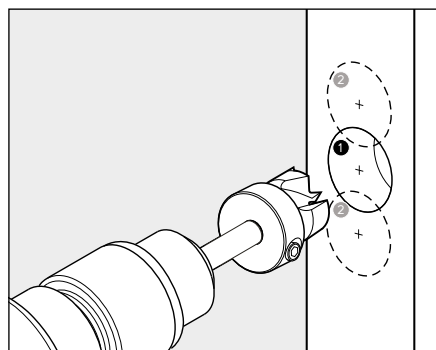
*Cover plates in stainless steel or black*

## Downloads

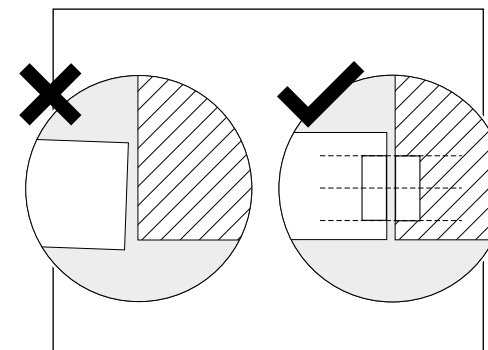
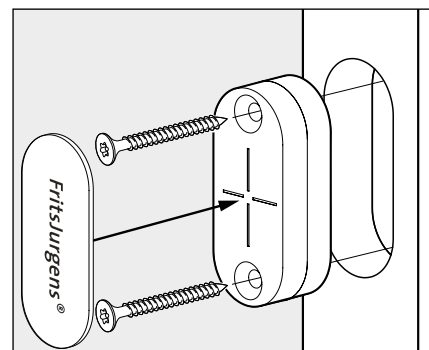
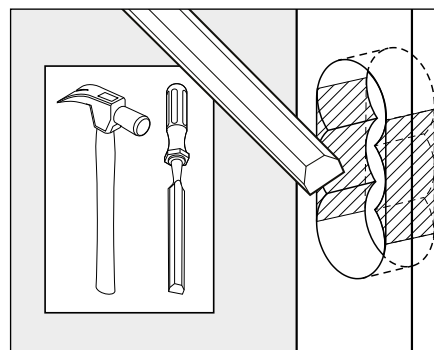
[Flush 2D drawing](#)

[Flush 3D drawing](#)

## INSTALLATION

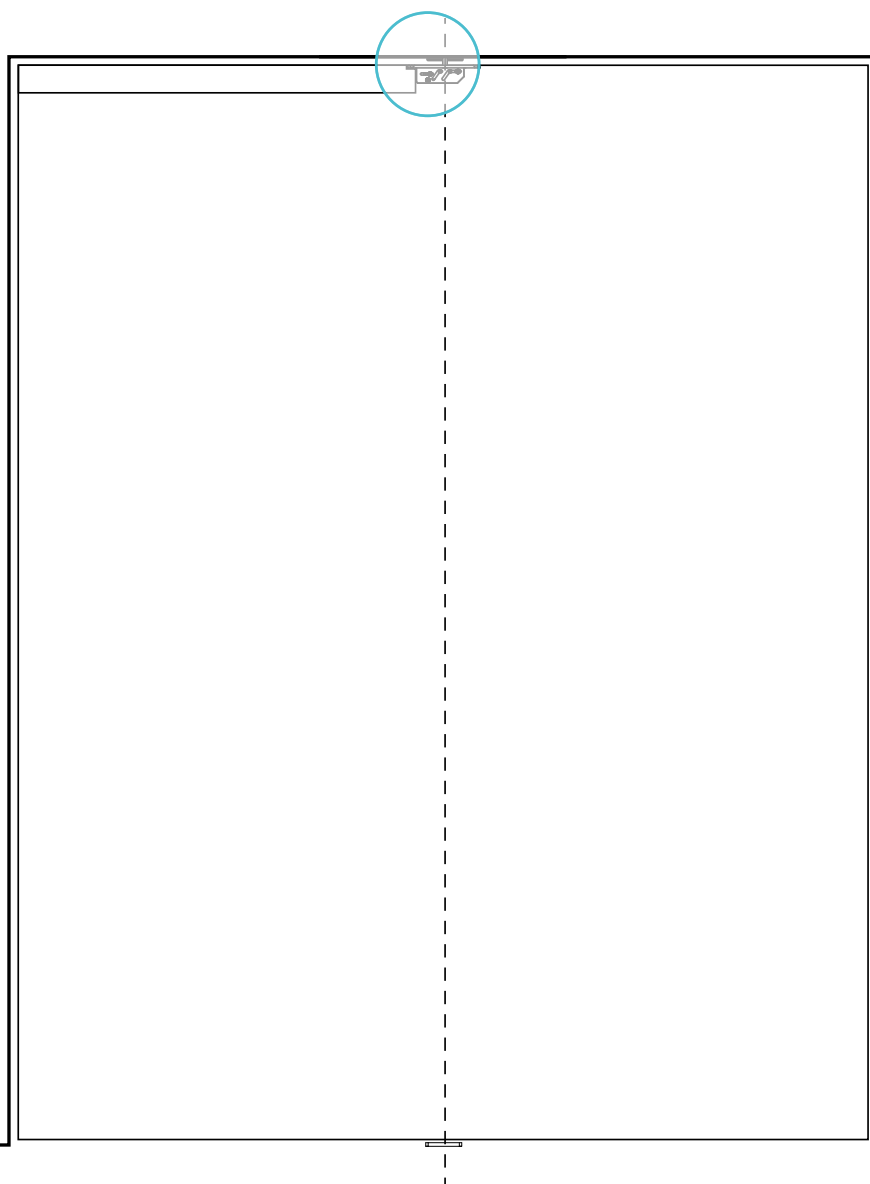


**Recommended for use:**  
Forstner drill bit Ø22 mm  
*Optional to order*



**Door seam <---->**  
3.0 mm - 6.0 mm

## HEXAGON GUIDE



The Hexagon Guide can ease the installation of the pivot door. The minimum distance from the pivot point to the edge of the door is 91 mm and the maximum distance is the middle of the door width. In case the pivot point is more than 280 mm from the edge of the door we offer the Hexagon Guide to ease the installation.

# HEXAGON GUIDE

## SPECIFICATIONS

Types	FritsJurgens Hexagon Guide - 1 m (706000) FritsJurgens Hexagon Guide - 2 m (706200)
Dimensions	1M: 998 x 31.5 x 44 mm   2M: 1998 x 31.5 x 44 mm

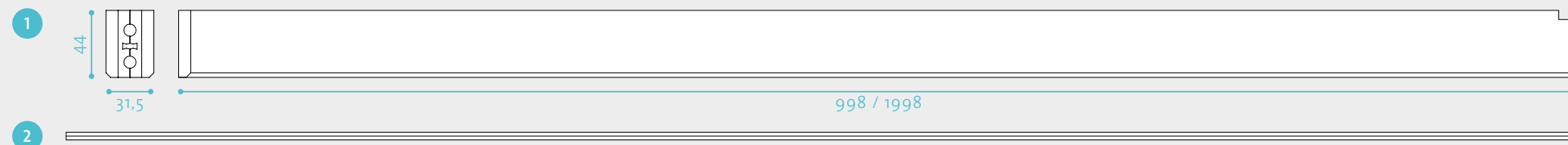
## FOR TYPES OF DOORS

Door acting	Double-acting Single-acting
Weight capacity	0-500 KG
Door width	Unlimited
Door height	Unlimited
Pivot point	Min. 280 mm from pivot point to short side
Min. door thickness	40 mm

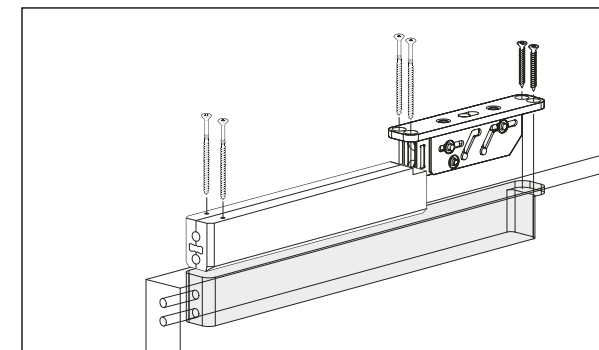
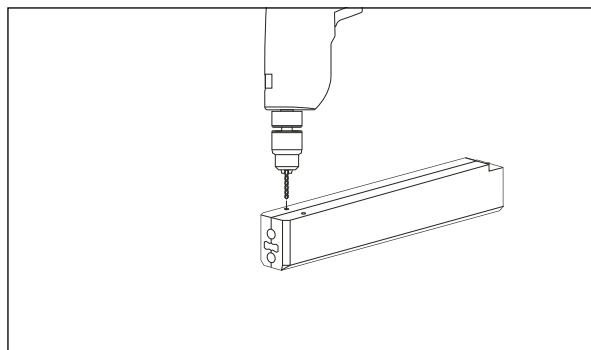
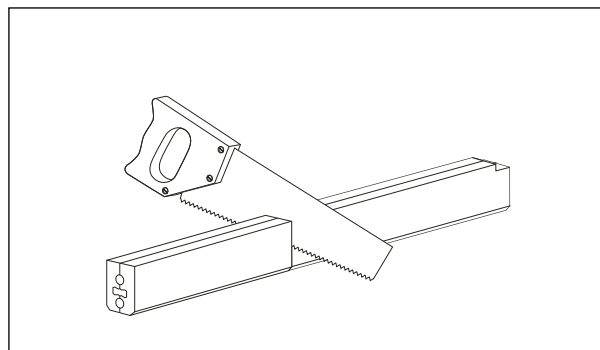
## HEXAGON GUIDE COMPONENTS

- Hexagon Guide
- Hexagon key

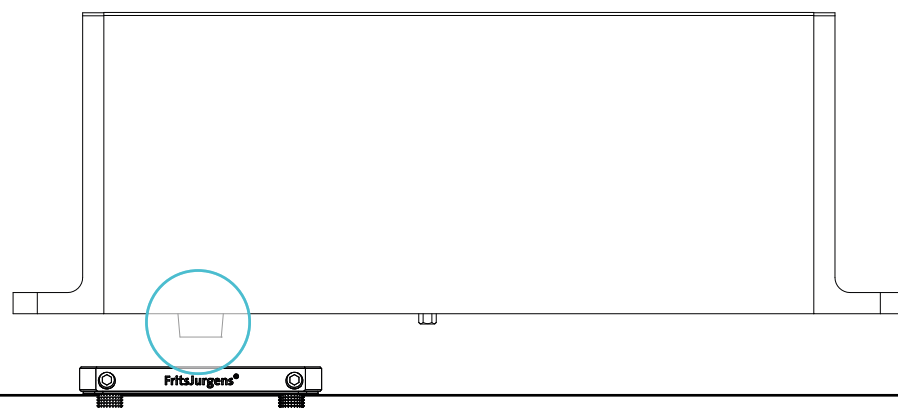
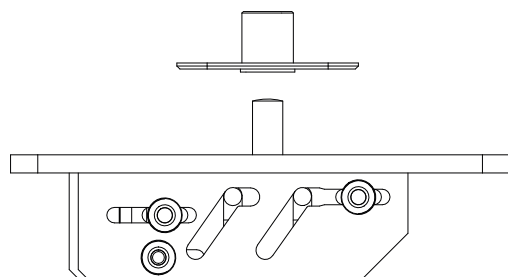
## Downloads

[Hexagon guide 1 m 2D drawing](#)
[Hexagon guide 1 m 3D drawing](#)
[Hexagon guide 2 m 2D drawing](#)
[Hexagon guide 2 m 3D drawing](#)


## INSTALLATION



## AXLE WRENCH



When installing a door fitted with System M, it is very important that the door is installed in its open position. This can be accomplished by using the Axle Wrench to rotate the oval spindle in the bottom of the System M 90°, pointing the arrow toward the direction the door will be opening (0° position). In case of frequent use it is possible to mount the floor plate (art. 400701) on the Axle Wrench.

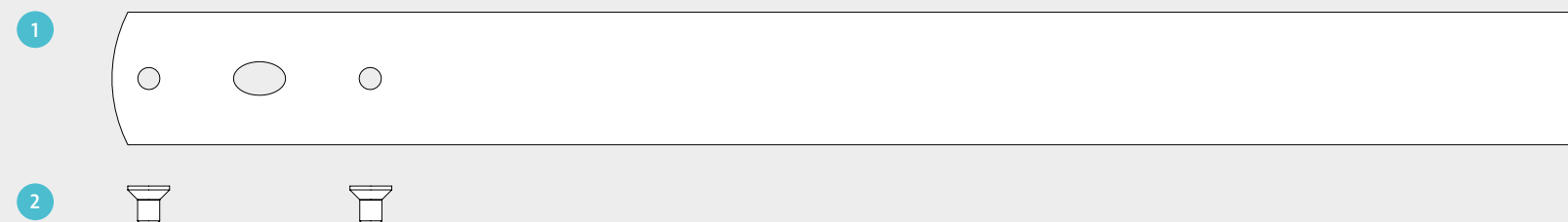
# AXLE WRENCH

## SPECIFICATIONS

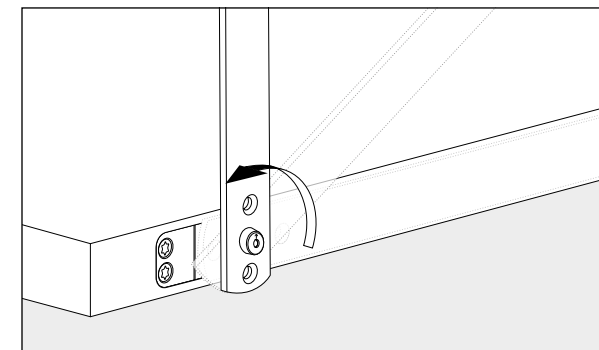
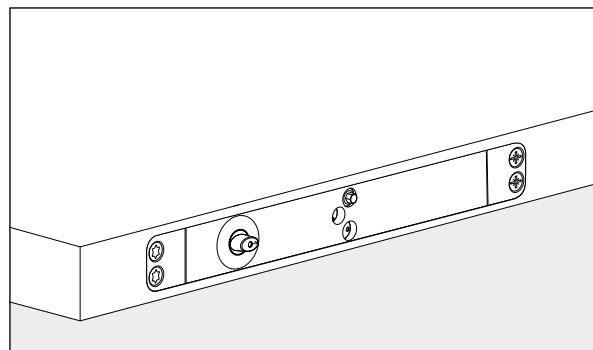
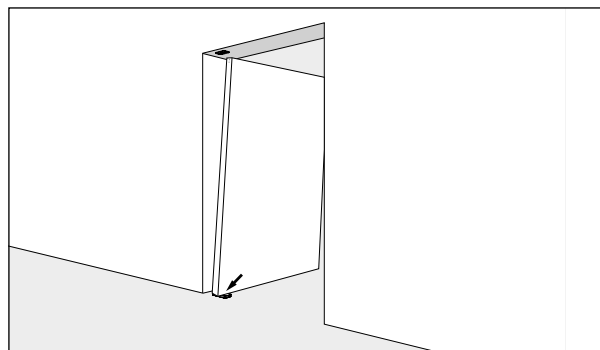
Types	FritsJurgens Axle Wrench (500503)
Dimensions	400 x 36 x 3 mm

## AXLE WRENCH COMPONENTS

1. Axle Wrench
2. 2x M6 fixing screws (in case of frequent use it is possible to mount the floor plate on the Axle Wrench).



## INSTALLATION





# FritsJurgens®

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