

**sapa:**

**buildingsystem**

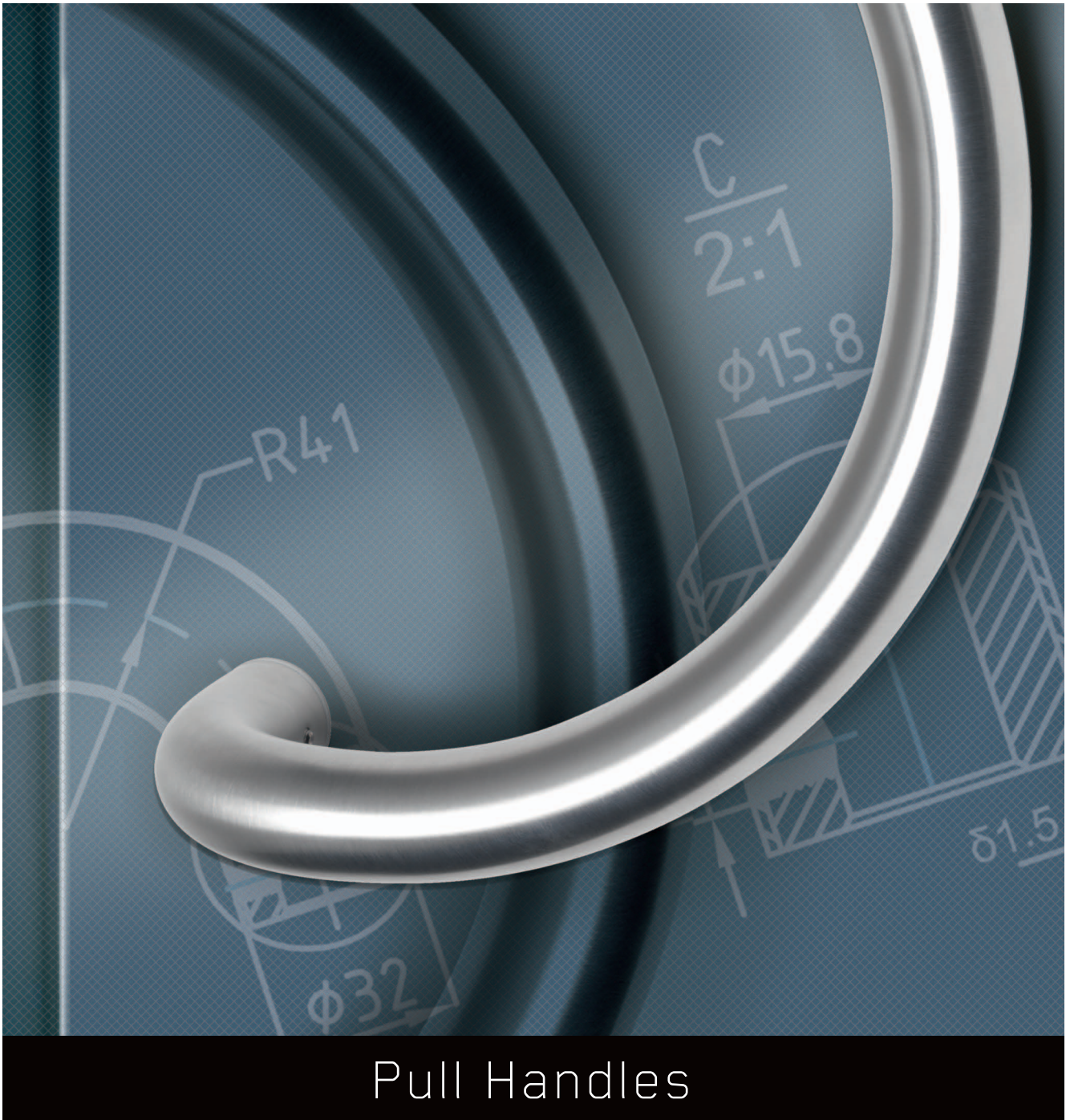
ARCHITECTURAL ALUMINIUM SOLUTIONS



## Door Hardware

Pull handles, door stoppers & cylinders,  
door closers & panic exit devices





## Pull Handles

Handles are the first objects we touch when entering a building and set immediately the standard of the expectations.

## MAKING GOOD FIRST IMPRESSIONS

Handles are the first objects we touch when entering a building and therefore set immediately the standard of the expectations.

The Sapa Building System offer combines simple and functional design with perfectly finished products – resulting in a comfortable, dynamic and robust feeling.

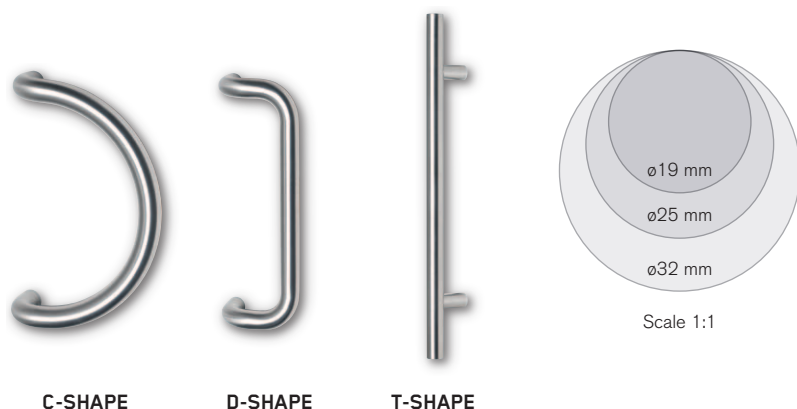
The range incorporates pull handles and door lever as well as complementary accessories such as door stoppers and cylinders.

### An deliberate quality choice

All our pull handles are manufactured in **AISI 316**, also known as marine quality stainless steel. This is one of the strongest and most resilient alloys on the market today.

This ensures high quality products, which not only look and feel superb, but are suitable for the most climatically challenging environments and allow perfect integration with our aluminium door solutions.

## PRODUCT OVERVIEW



C-SHAPE

D-SHAPE

T-SHAPE

## Order information

All handles are delivered per piece.

### For SINGLE SIDED mounting

The pull handle needs to be combined with the appropriate fixation set.

For concealed single sided mounting, please order also **fixation set A** (DHA001).

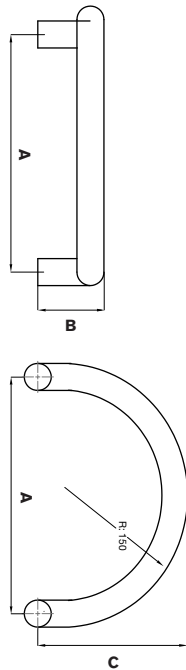
Example: For a single sided mounting of D-shaped 400mm CTC solution, the order consists of the pull handle **HPH002** + the fixation set **DHA001**.

### For DOUBLE SIDED mounting

The pull handle is delivered with the necessary fixation set, but needs to be combined with the corresponding single side handle reference. For double sided mounting, please order also the corresponding double side pull handle reference.

Example: For a double sided mounting of D-shaped 400mm CTC solution, the order consists of the pull handle references **HPH011** + **HPH002**.

## Pull handles in 316 stainless steel.



### C-Shape single sided mounting

Single side pull handle in satin brushed 316 stainless steel. For single sided mounting. Delivered per piece and without fixation set.

Ø	A	B	C	Article number	Finishes
32	300	85	206	HPH003	SS316 satin brushed

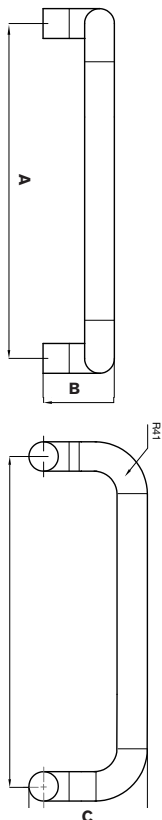
**Note:** For double sided mounting, please order also the corresponding double side handle reference.

### C-Shape double sided mounting

Pull handle in satin brushed 316 stainless steel. For double sided mounting. Delivered per piece, including fixation set B.

Ø	A	B	C	Article number	Finishes
32	300	85	206	HPH012	SS316 satin brushed

**Note:** Needs to be combined with the corresponding single side handle reference.



### D-Shape single sided mounting

Single side pull handles in satin brushed 316 stainless steel. For single sided mounting. Delivered without fixation set.

Ø	A	B	C	Article number	Finishes
25	300	70	114	HPH001	SS316 satin brushed
32	400	85	148	HPH002	

**Note:** For double sided mounting, please order also the corresponding double side handle reference.

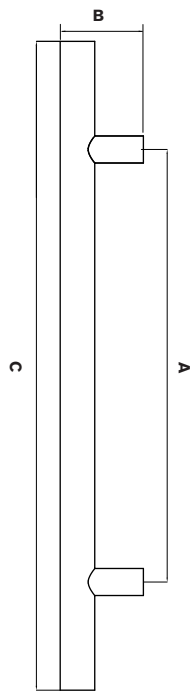
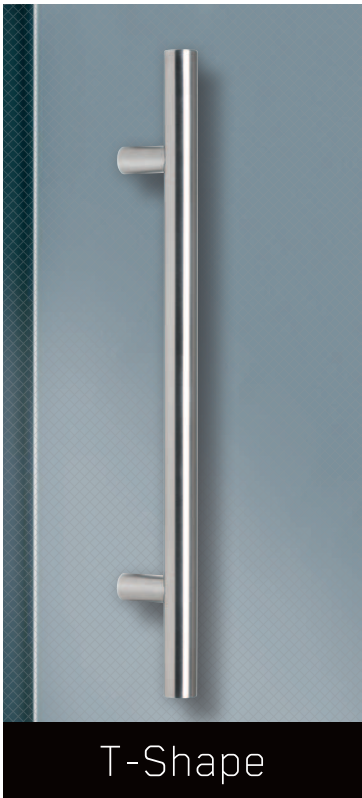
### D-Shape double sided mounting

Pull handles in satin brushed 316 stainless steel. For double sided mounting. Delivered with fixation set.

Ø	A	B	C	Article number	Finishes
25	300	70	114	HPH010	SS316 satin brushed
32	400	85	148	HPH011	

**Note:** Needs to be combined with the corresponding single side handle reference.





#### T-Shape single sided mounting

Single side pull handles in satin brushed 316 stainless steel.  
For single sided mounting.  
Delivered per piece and without fixation set.

Ø	A	B	C	Article number	Finishes
32	400	77	600	HPH007	SS316
32	600	77	800	HPH008	satin brushed

**Note:** For double sided mounting, please order also the corresponding double side handle reference.

#### T-Shape double sided mounting

Pull handles in satin brushed 316 stainless steel.  
For double sided mounting.  
Delivered per piece, including fixation set B.

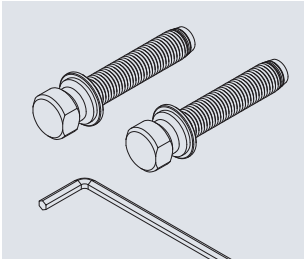
Ø	A	B	C	Article number	Finishes
32	400	77	600	HPH016	SS316
32	600	77	800	HPH017	satin brushed

**Note:** Needs to be combined with the corresponding single side handle reference.

## Fixation sets for pull handles in stainless steel.

### Fixation set A - concealed single sided

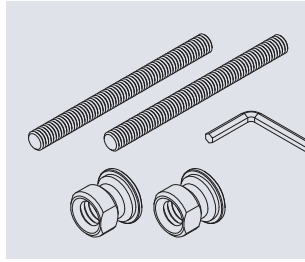
Fixation set for single sided pull handles. Including 2 Fixation Bolts (M10x60mm) & 1 Allen key.



Article	Article number
Concealed, single side fixing set	DHA001

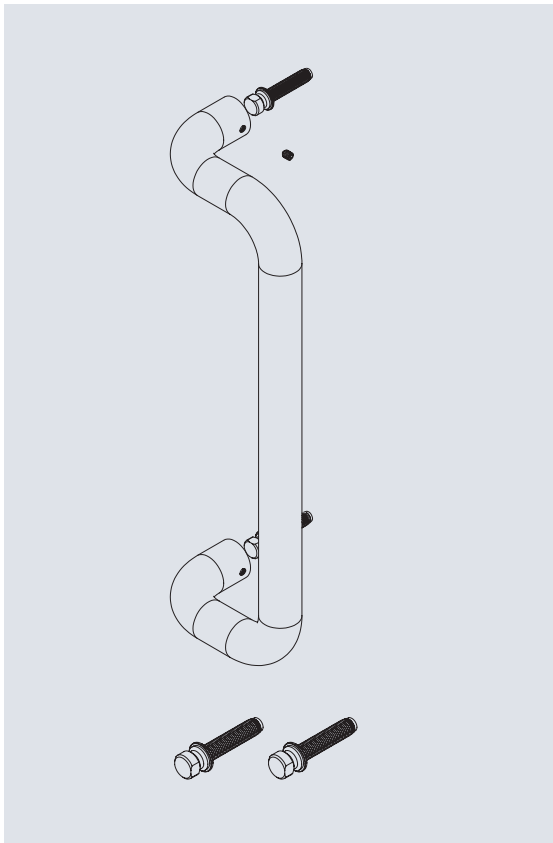
### Fixation set B - concealed double sided

Fixation set for double sided (back-to-back) mounting of pull handles. Including 2xSS201 M10 x 115mm Bolts; 2xSS201 Adaptors & 1 Allen key.

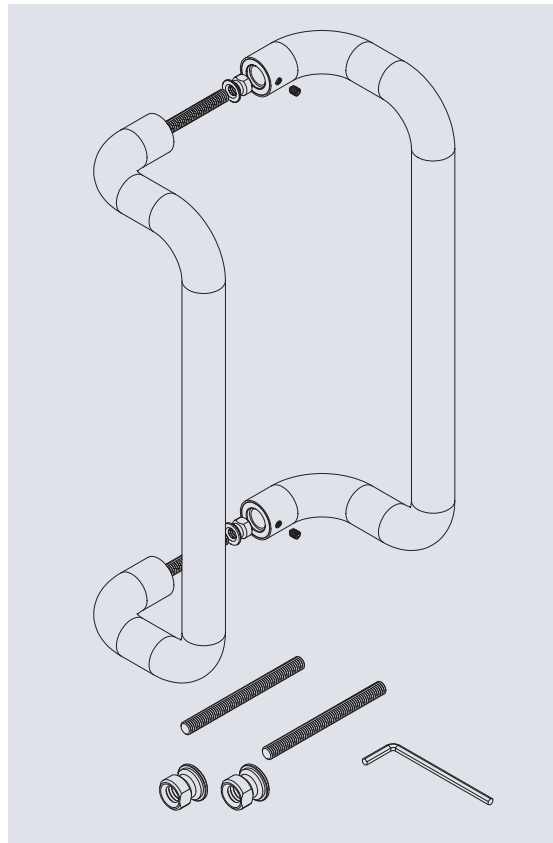


Article	Article number
Back to back fixing set	DHA002

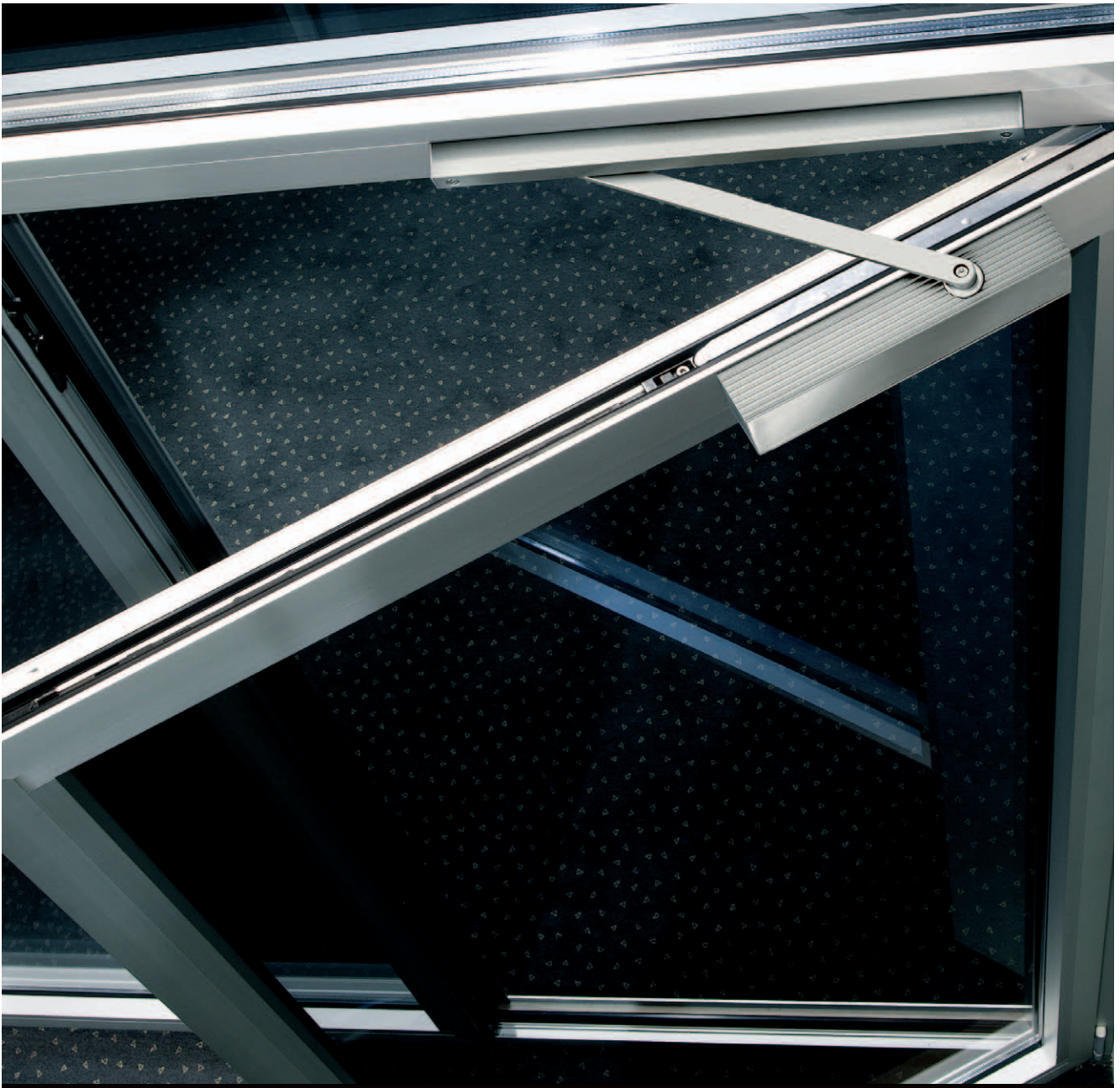
## Fixation sets for pull handles in stainless steel.



**Example:**  
D-shaped pull handle single sided mounting



**Example:**  
D-shaped pull handle double sided mounting



## Door Closers

Door closers have to cope with routine daily business and emergency situations: they soften the door strike and close the door securely. In emergency situations, they guarantee that fire compartments are separated reliably so that lives can be saved.

## COMFORT AND SAFETY

Door closers must be able to cope with routine operations and emergency situations: in everyday use, they ensure soft, controlled and secure closing. In emergency situations, they guarantee that the fire compartments are separated reliably, thus saving lives.

Door closers from Sapa Building System work purely mechanically with hydraulically damped, stepped gear spring force, which ensures correct functioning under all conditions. The special gearing geometry guarantees easy opening while at the same time producing sufficient closing power to overcome the lock resistance.



**DCS500** • CLOSING FORCE 1-5



**DCS300** • CLOSING FORCE 2/3/5



**DCI900** • CLOSING FORCE 1-4 OR 2-5

### Door closer with standard arm

Description - Size acc. to EN <sup>(2)</sup>	Tests <sup>(1)</sup>	Latching speed adjustment <sup>(3)</sup>	Back-check <sup>(4)</sup>	Closing force adjustment	Delayed action <sup>(5)</sup>	DIN L+R / HS + HO <sup>(6)</sup>
DCS500 (1 - 5 continuously)	/	from the side	fixed	from the side	-	yes / yes
DCS300 (2 / 3 / 5)	/	from the side	-	from the side	-	yes / yes

#### Legend:

- 1) EN 1154 - CE-approved and fire-protection tested
- 2) Door closer sizes acc. to European Norm (EN 1154)
- 3) Increases the closing force to ensure that the door closes reliably
- 4) Regulates the force which is necessary to open the door
- 5) Permits the door to stay open longer
- 6) Available for DIN left and DIN right (L+R) as well as for hinge side (HS) or hinge-opposite side (HO)



## Good to know

### CLOSING SPEED

Door closing speed is the time frame from the start of the door closing to a couple of inches before the door hits its latch point. The last few inches of closing are controlled via the latch speed valve.

### LATCHING SPEED

The Latch Zone is the last few inches before the door hits its latch point. This feature increases the closing speed and thus the safe closing of the door, for example to overcome door seals, door locks and high air pressure.

### HOLD OPEN DEVICE OR HOLD OPEN ARM

"Keep the door open"

These optional devices, when fitted with the door closer, enable the door to remain open at a preset angle until it is manually closed. Be aware of fire regulations when fitting these devices.

### DELAYED ACTION

"To slow closing speed"

This feature permits the door to remain open for a longer period of time before closing at an adjustable speed. This will allow for slow closing, giving more time for safer passing of people and transports. Especially usable for the elderly, nursing homes and hospitals.

### BACK CHECK

"Prevents the wind" to catch the door and throw it open.

The backcheck feature reduces the opening speed and avoids the slamming of a door which has been flung open or caught by a gust of wind. This effectively reduces the danger of the door and adjacent wall being damaged.

### ASSURED QUALITY

Sapa Building System door closers are manufactured in a quality management process certified in accordance with ISO 9001. This guarantees quality products.

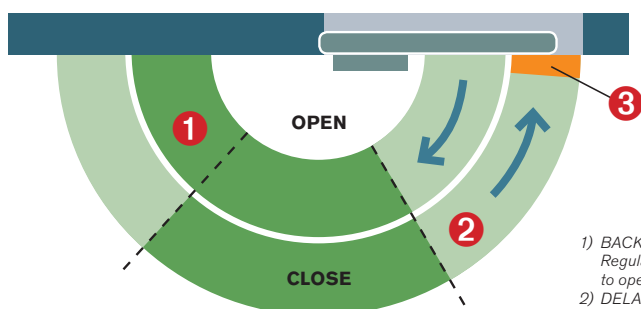
Our door closer version are suitable for use with fire and smoke protection doors - and tested in line with **EN 1154 A**.

All products tested in accordance with valid European directives have the CE mark applied to them.



Door closers have different strengths to cater for the size and weight variation of doors. The bigger and heavier the door, the greater the force required to close it. This force is designated by assigning the closer with a number value between 1 and 7 where the higher the number indicates a larger capacity of closer. The following chart shows the test door mass and size for the seven identified grades under the **EN 1154** classification.

**Note: Backcheck does not substitute a door stop**



- 1) **BACK-CHECK:**  
Regulates the force which is necessary to open the door
- 2) **DELAYED ACTION:**  
Permits the door to remain open for a longer period of time before closing at an adjustable speed.
- 3) **LATCHING-SPEED:**  
Increases the closing force to ensure that the door closes reliably

Seven test door mass grades and related door closer power sizes are identified according to table 1 of this standard. Where a door closer provides a range of power sizes both the minimum and the maximum sizes shall be identified.

Door closer sizes	Door set width	Door set weight	Closing moment			Closing moment	Closer efficiency	
			between 0° - 4°	between 88° - 92°	all other angles			
Tension EN / 1- 5	mm max.	kg max.	Nm min.	Nm max.	Nm min.	Nm min.	between 0° - 60°	between 0° - 4°
	mm max.	kg max.	Nm min.	Nm max.	Nm min.	Nm min.	Nm max.	%
1	750	20	9	13	3	2	26	50
2	850	40	13	18	4	3	36	50
3	950	60	18	26	6	4	47	55
4	1100	80	26	37	9	6	62	60
5	1250	100	37	57	12	8	83	65

According to the standards of EN 1154, a door closer fitted to a fire door must be of minimum force 3. Air pressure on the door from wind is also a consideration which could lead to a higher power size than needed due to the actual door weight and dimensions.

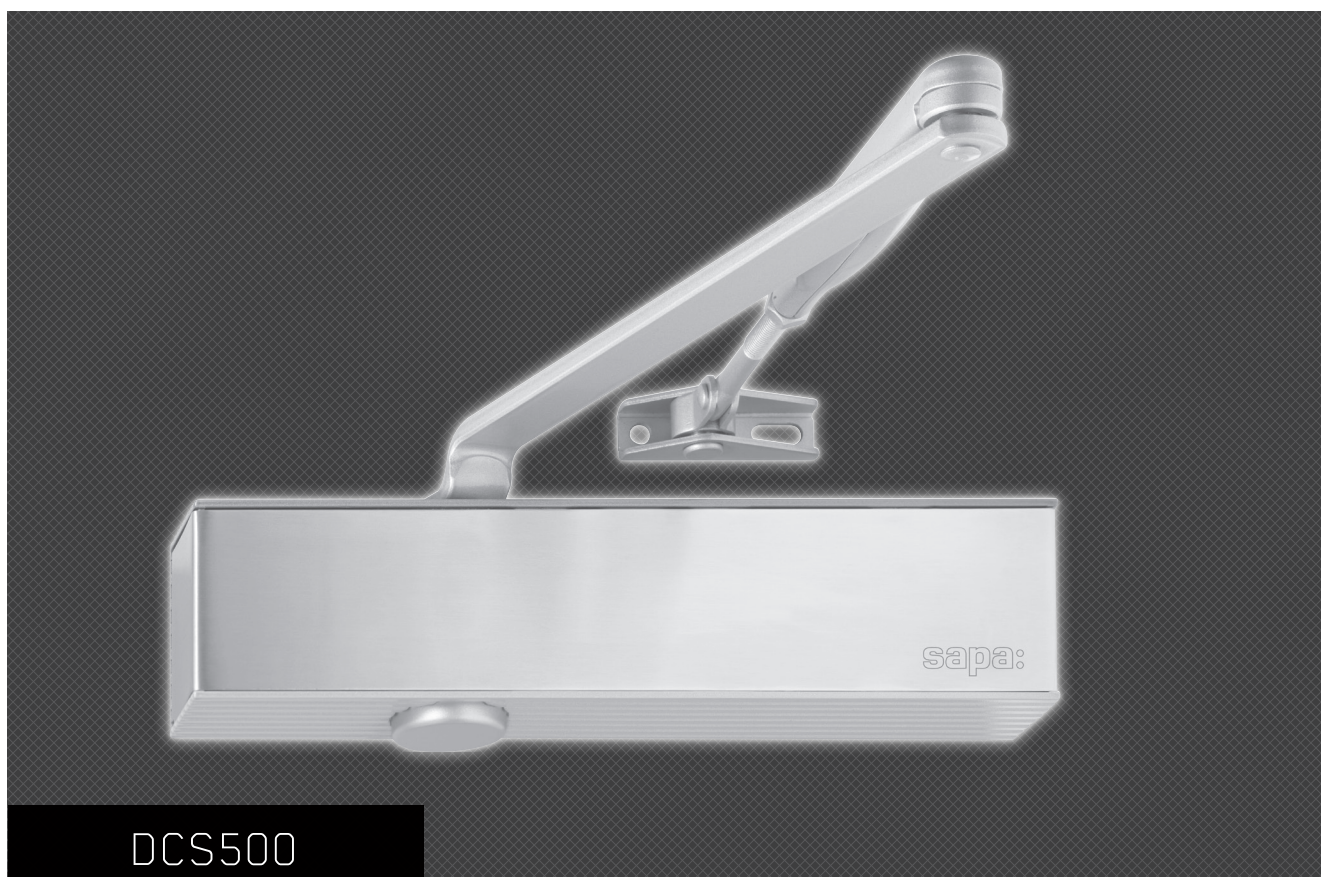
**Note 1:** The door widths given are for standard installations. In the case of unusually high or heavy doors, windy or draughty conditions, or special installations, a larger power size of door closer should be used.

**Note 2:** The test door masses shown are only related to door closer power sizes for the purpose of the test procedure. These test door masses are not intended to indicate maximum values for actual use.

**Disclaimer:**

Sapa Building System makes every effort to ensure that the information contained in our documentation is correct and accurate. We can however accept no responsibility for any errors or omissions or their subsequent effects.

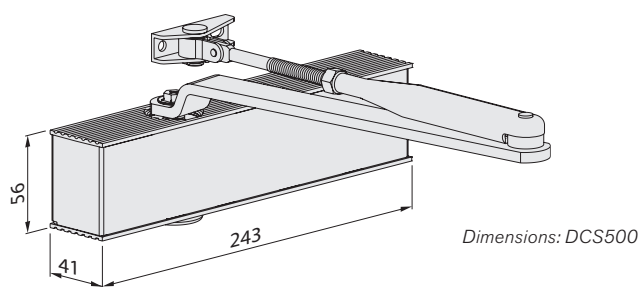
## Door closer with standard / articulated arm - DCS500



DCS500

## Product characteristics

Closing force (continuously adjustable)	Size acc. to EN	1 - 5
Door width acc. to EN	≤1.250 (mm)	■
Door width acc. to EN	≤1.400 (mm)	-
Dimensions (incl. mounting plate)	Length (mm)	243
	Depth (mm)	41
	Height (mm)	56
Mounting plate (acc. to EN 1154 A)		■
Hinge-side and Hinge-opposite side		■
DIN left / right		■
Latching speed (continuously adjustable)		■
Closing speed (continuously adjustable)		■
Back-check (contant)		■
Delayed action - Not fire proved (continuously adjustable)		-
Tested acc. to EN		EN 1154 A
Suitable for fire- and smoke control doors		
Certified according to EU-Directive		CE



■ yes - no □ option



## Product description

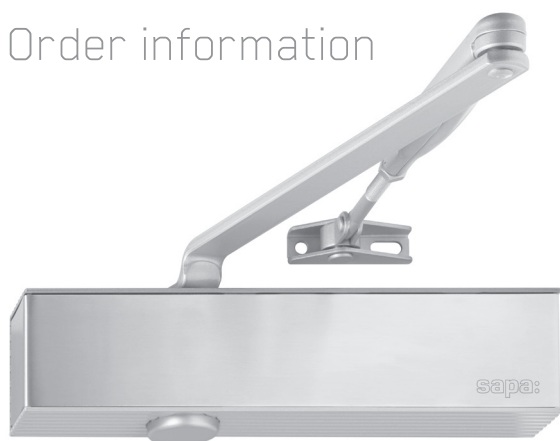
### DCS500 - Door closer with standard

Continuously adjustable closing force 1 - 5, tested acc. to **EN 1154 A** (for door widths up to 1.250 mm). Latching speed and closing speed continuously adjustable. Back-check constant. Same version DIN left and DIN right. Mounting height only 41 mm. Weight: 1.280g. Max. door opening angle: 180°.

- Suitable for fire- and smoke control doors.
- Standard mounting on hinge side and head mounting on hinge-opposite side.
- Door closer and slide rail build a unit in aluminium and stainless steel.
- The stainless steel cover encloses the aluminium body with the power of spring steel and conceals all of the adjusting elements, thus securing the closer against unauthorized access.
- Mounting plate according to **EN 1154**.
- Simple, high-precision and permanently secure adjustment of all parameters of the closing process with one conventional Allen key.
- Full stainless steel cover for enveloping the door closer body as option.
- Delivery with arm and mounting plate as standard.

*Pull side: standard mounting on door leaf.  
Push side: head mounting on door frame.*

## Order information

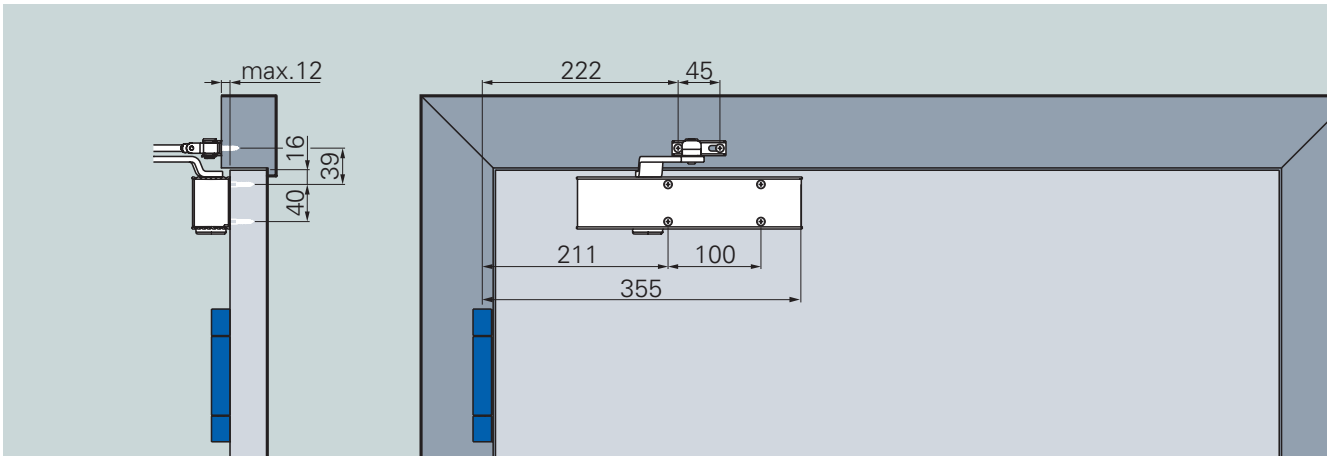


Model	Colour	Article number
DCS500 (1 - 5)	Silver RAL 9006	DCS50196
DCS500 (1 - 5)	Black RAL 9005	DCS501N

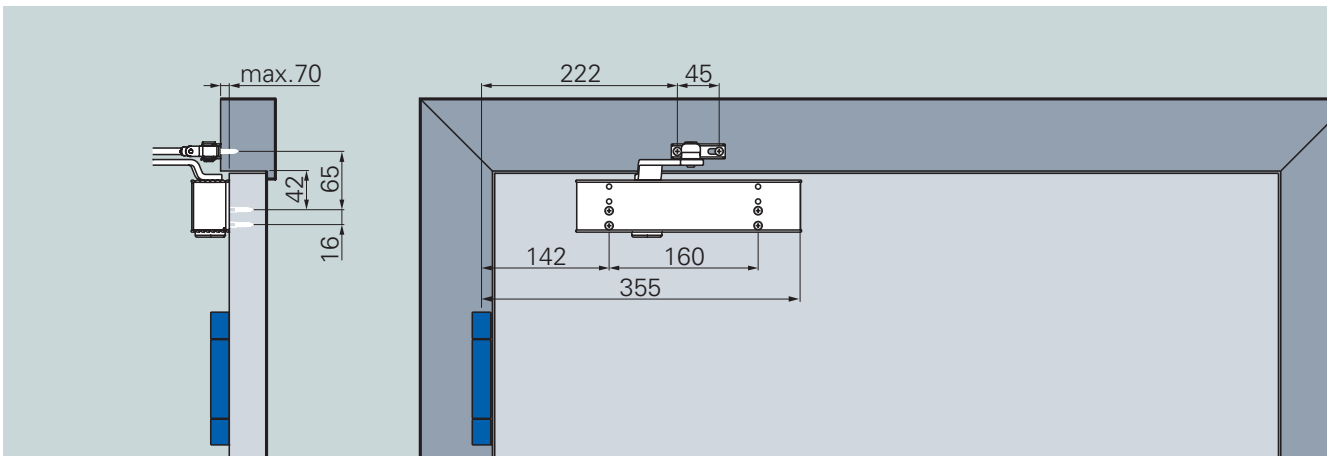
*For more details regarding specific options or additional colours, please contact your local Sapa Building System company.*

## Hinge side

### Illustration DIN left -door, DIN right laterally reversed



Standard mounting, hinge side (direct mounting, without mounting plate)



Standard mounting, hinge side (with optional mounting plate with DIN holes)

#### ■ Closing speed

Continuously adjustable closing speed from approx. 180° to 0°.

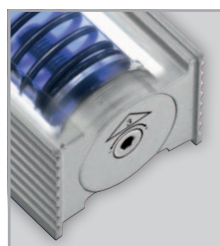
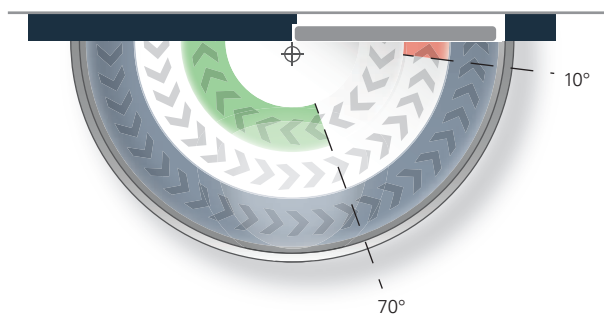
#### ■ Latching speed

Increases the closing speed and thus the safe closing of the door, for example to overcome door seals, door locks and high air pressure. Continuously adjustable, works between 10 to 0°.

#### ■ Back-check

Reduces the opening speed starting at 70° and avoids the slamming of the door. Back-check fixed.

Closing force diagram DCS500, hinge side.

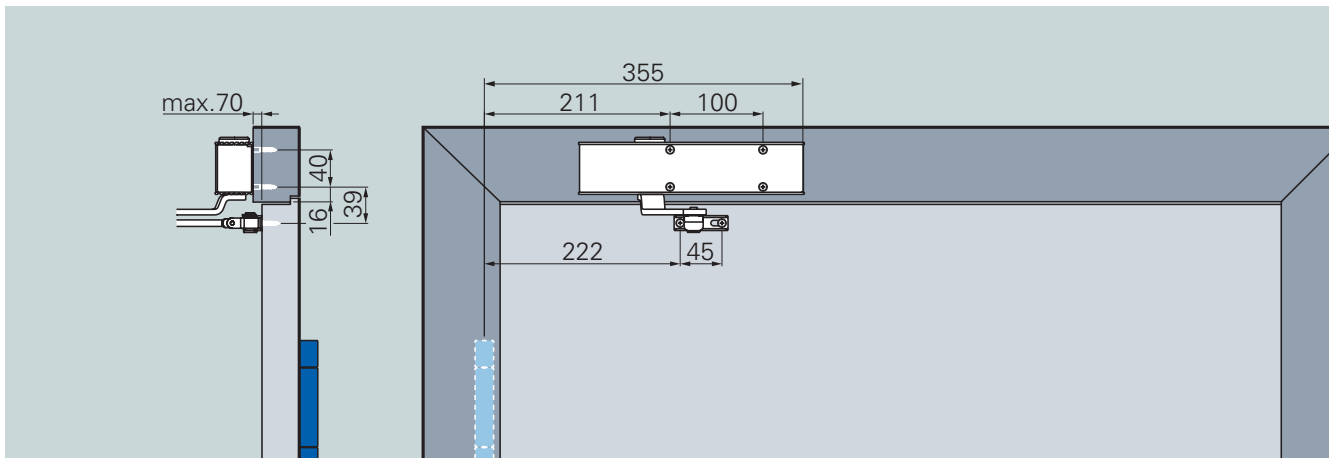


#### Closing Force

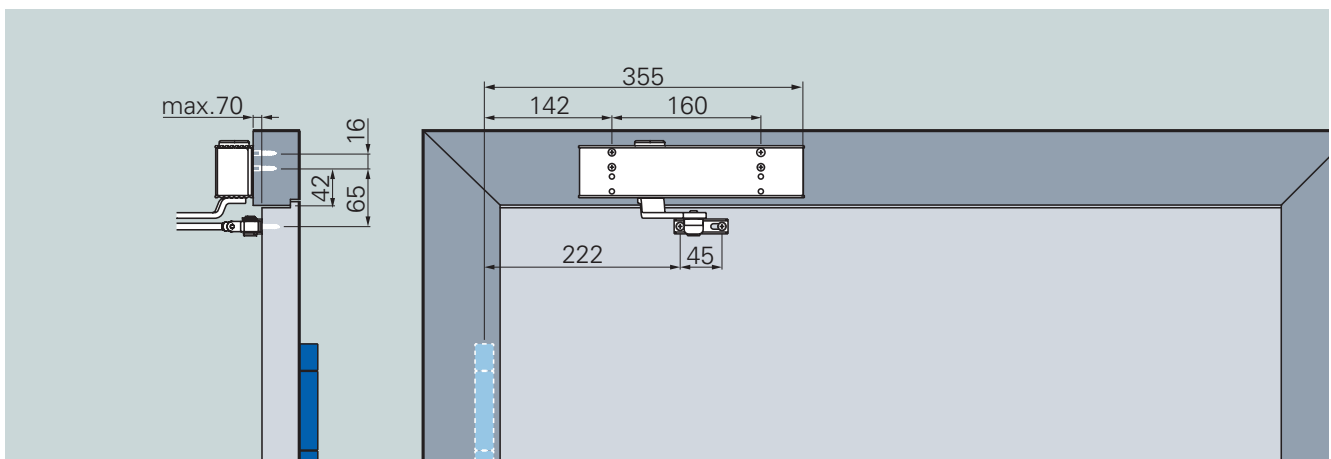
Continuously adjustable	min. size 1 max. size 5
Default delivery condition	size 3

# Hinge-opposite side

## Illustration DIN right -door, DIN right laterally reversed



Head mounting, hinge-opposite side (direct mounting, without mounting plate)



Head mounting, hinge-opposite side (with optional mounting plate with DIN holes)

### ■ Closing speed

Continuously adjustable closing speed from approx. 170° to 0°.

### ■ Latching speed

Increases the closing speed and thus the safe closing of the door, for example to overcome door seals, door locks and high air pressure. Continuously adjustable, works between 10 to 0°.

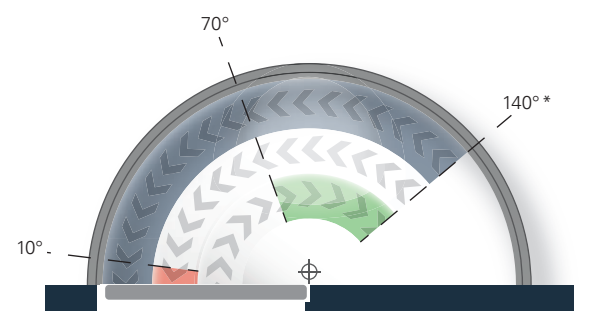
### ⊠ Back-check

Reduces the opening speed starting at 70° and avoids the slamming of the door. Back-check fixed.

Note:

Back-check out of order for head-mounting / mounting on hinge-opposite side.

Closing force diagram DCS500, hinge-opposite side.



Varies according to door thickness and type of hinge.

**A door stopper for opening limit is a must !**





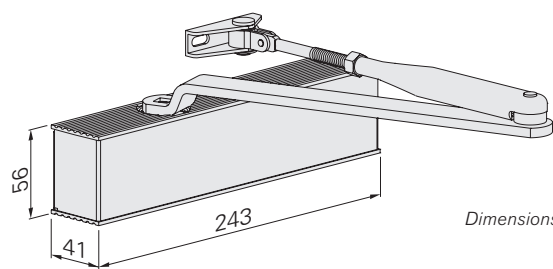
## Door closer with standard / articulated arm - DCS300



DCS300

### Product characteristics

Closing force (adjustable)	Size acc. to EN	2/3/5
Door width (acc. to EN)	≤1.250 (mm)	■
Dimensions (incl. mounting plate)	Length (mm)	243
	Depth (mm)	41
	Height (mm)	56
Mounting plate (acc. to EN 1154 A) (supplementary sheet 1)		□
Hinge-side and Hinge-opposite side		■
DIN left / right		■
Latching speed (continuously adjustable)		■
Closing speed (continuously adjustable)		■
Back-check (constant)		■
Delayed action (continuously adjustable)		-
Tested acc. to EN		EN 1154 A
Suitable for fire- and smoke control doors		<b>F</b>
Certified according to EU-Directive		CE



Dimensions: DCS300

■ yes - no □ option

## Product description

### DCS300 - Door closer with standard / articulated arm

Closing force 2 / 3 / 5, tested acc. to **EN 1154 A** (for door widths up to 1.250 mm) adjustable by moving the door closer. Latching speed and closing speed continuously adjustable. Back-check constant. Same version DIN left and DIN right. Mounting height only 41 mm. Weight: 1.320g. Max. door opening angle: 180°.

- Suitable for fire- and smoke control doors.
- Standard mounting on hinge side and head mounting on hinge-opposite side.
- Door closer and slide rail build a unit in aluminium and stainless steel.
- The stainless steel cover encloses the aluminium body with the power of spring steel and conceals all of the adjusting elements, thus securing the closer against unauthorized access.
- Simple, high-precision and permanently secure adjustment of all parameters of the closing process with one conventional Allen key.
- Full stainless steel cover for enveloping the door closer body as option.
- Mounting plate according to EN 1154 as option.
- Delivery with arm as standard.

*Pull side: standard mounting on door leaf.  
Push side: head mounting on door frame.*

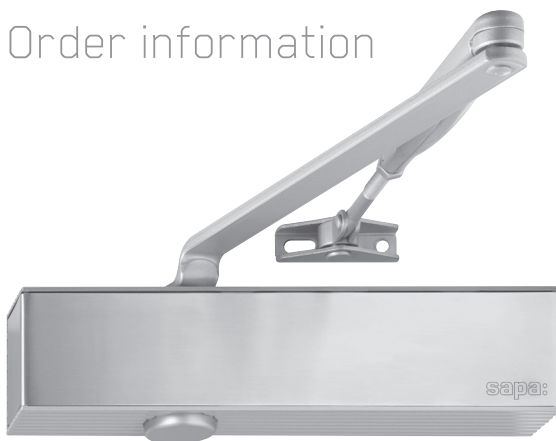
**The different sizes are reached by moving the door closer on the door leaf.**



**Additional drilling only necessary for size EN 5.**



## Order information

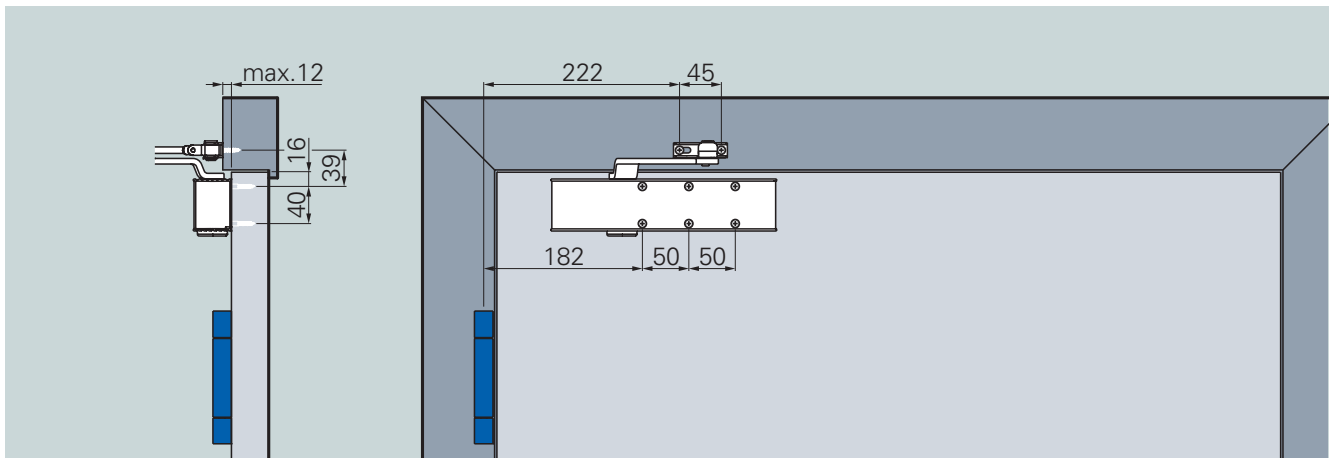


Model	Colour	Article number
DCS300 (2/3/5)	Silver RAL 9006	DCS30196
DCS300 (2/3/5)	Black RAL 9005	DCS301N

*For more details regarding specific options or additional colours, please contact your local Sapa Building System company.*

## Hinge side

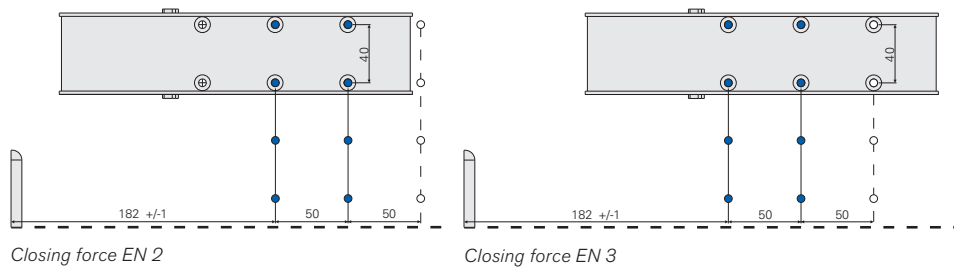
### Illustration DIN left -door, DIN right laterally reversed



Standard mounting, hinge side (direct mounting, without mounting plate)

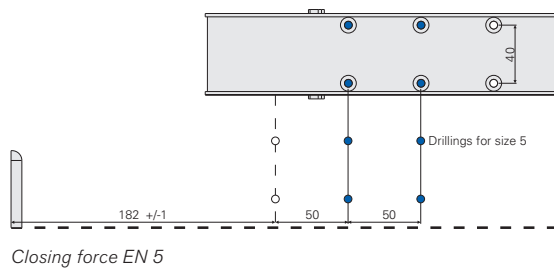
### CLOSING FORCES

The different sizes are reached by moving the door closer on the door leaf. Additional drilling only necessary for size EN 5.



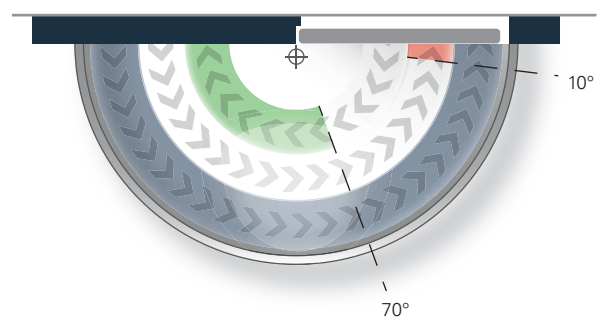
Closing force EN 2

Closing force EN 3



Closing force EN 5

Closing force diagram DCS300, hinge side.



#### ■ Closing speed

Continuously adjustable closing speed from approx. 180° to 0°.

#### ■ Latching speed

Increases the closing speed and thus the safe closing of the door, for example to overcome door seals, door locks and high air pressure. Continuously adjustable, works between 10 to 0°.

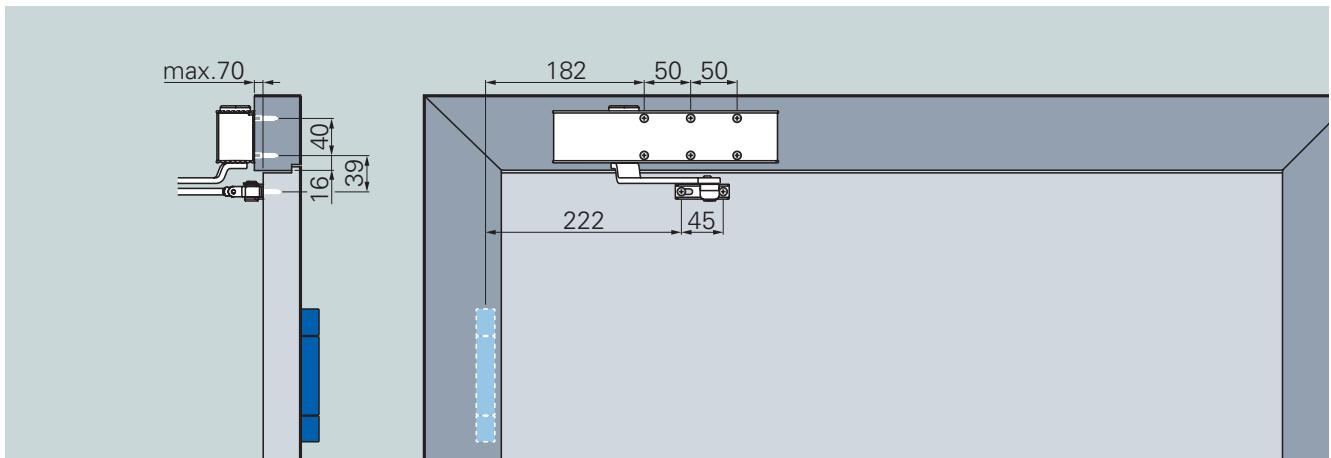
#### ■ Back-check

Reduces the opening speed starting at 70° and avoids the slamming of the door. Back-check fixed.



# Hinge-opposite side

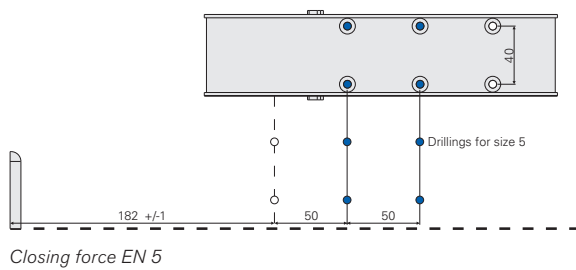
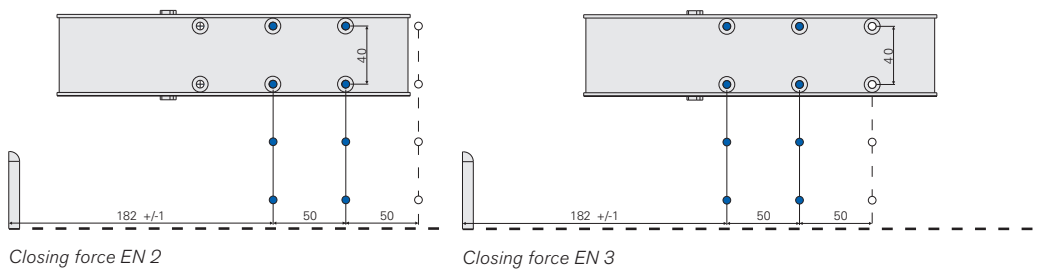
## Illustration DIN right -door, DIN right laterally reversed



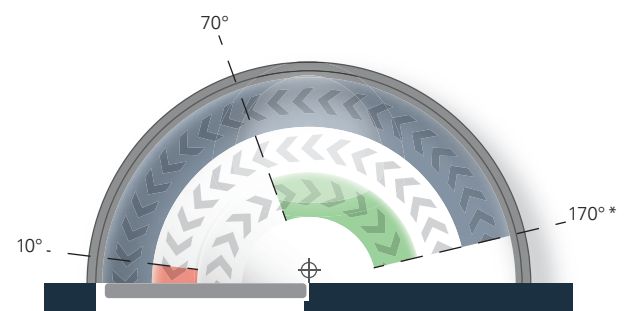
Head mounting, hinge-opposite side (direct mounting, without mounting plate)

### CLOSING FORCES

The different sizes are reached by moving the door closer on the door leaf. Additional drilling only necessary for size EN 5.



Closing force diagram DCS300, hinge-opposite side.



#### ■ Closing speed

Continuously adjustable closing speed from approx. 170° to 0°.

#### ■ Latching speed

Increases the closing speed and thus the safe closing of the door, for example to overcome door seals, door locks and high air pressure. Continuously adjustable, works between 10 to 0°.

#### ■ Back-check

Reduces the opening speed starting at 70° and avoids the slamming of the door. Back-check fixed.

Varies according to door thickness and type of hinge.

*Note: Back-check out of order for head-mounting / mounting on hinge-opposite side.*

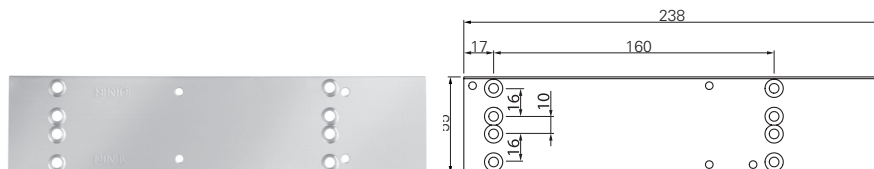
**A door stopper for opening limit is a must !**



## Door closer accessories

### Mounting plate

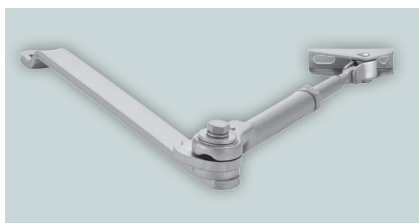
Mounting plate for DCG400 and DCS500 with DIN EN holes.  
For fixing to doors which provide no means of direct mounting.  
Fixing hole pattern as per Supplement 1 to EN 1154.



Article	Colour	Article number
Mounting plate	Aluminium anodized	DCA00142



### Hold open arm



Hold open articulated arm for DCS500/300. The hold-open offers an additional hold-open function to fix the door. Steel zinc-plated. Hold-open angle 70° - 130°. Hold-open force adjustable.

Not allowed for use on fire-protection doors.

Article	Colour	Article number
Hold open arm	Silver RAL 9006	DCA00496



## Panic Exit Devices

Ergonomic and attractive, totally versatile application (horizontal or vertical), with up to three locking points, non-handed and easy to mount for rapid installation.

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## SECURE EXIT UNDER ALL CIRCUMSTANCES

Panic Exit Devices technology provides a safe escape opportunity from a danger zone in case of emergency. One push on the horizontal activation element is all that is necessary to open the door, without a key and using minimum effort.

Sapa Building System offers a range of aesthetic and high performing panic exit solutions, meeting the safety and security requirements of the European standards EN 1125.

### Two concepts • same efficiency

To offer maximum architectural liberty and integration possibilities, Sapa Building System offers two horizontal panic door locking systems which differ in their aesthetics and function, both designed to meet all your safety and security needs.

#### Push-bar: panic door lock with a tube

Movement of the horizontally attached tube in a downward arch releases the locking mechanism.

#### Push-bar



As well as guaranteeing proven durability, installing a panic bar in an office building, a multi-screen cinema, a gym or an airport also means fitting a high added value product, untouched by the whims of fashion.





## Panic Exit Devices • Push-bar

Ergonomic, flexible (up to three locking points, non-handed) and easy to mount.



## PUSH-BAR

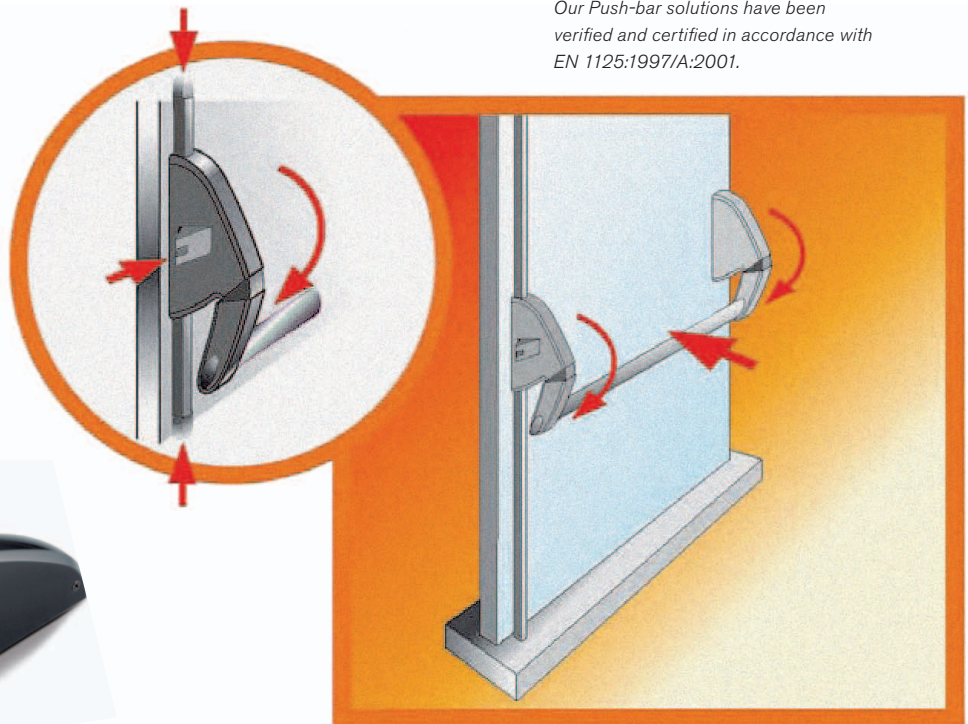
The exclusive line of panic bars transforms a functional object into an interior design accessory, capable of fitting in perfectly anywhere and everywhere.

The "T" cover-plates combine robustness and elegance, with precise shapes and balanced dimensions.

TESTED AND CERTIFIED FOR

**2.000.000  
CYCLES**

*Ten times more than  
specified by CE standards !*



*Our Push-bar solutions have been  
verified and certified in accordance with  
EN 1125:1997/A:2001.*



Silver Gray

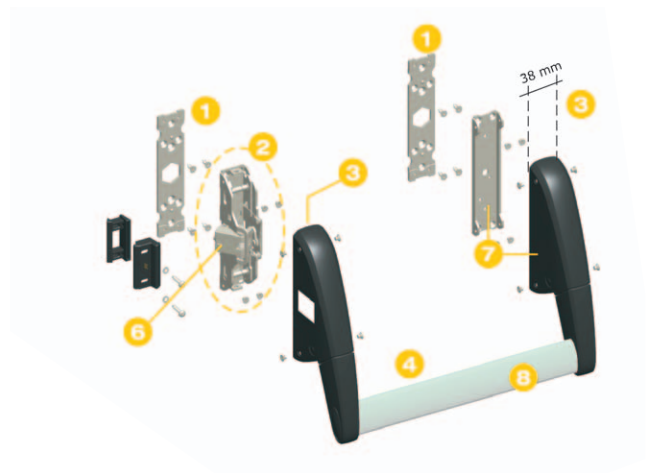
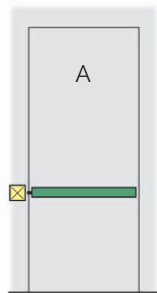
## Product characteristics.

- **Exclusive PININFARINA design**  
Thanks to the particular care taken of the design (entrusted to PININFARINA), this product enhances the look of any architectural context.
- **Adaptable range**  
The complete range covers all possible applications.
- **Quick and easy installation**  
Installation is simplified by the use of counter plates, enabling application on profiles with, if necessary, final mounting on site. The latch bolts are adjustable allowing fine tuning on site.
- **Reliability and safe performance**  
High degree of security against attempted break-in, efficiency of the mechanisms and high quality materials and finishes all guarantee excellent durability.
- **Simplicity**  
The product is available as complete single packs, including all you need for the 1 or 3 point solutions. This allows simplifying stock handling and installation.
- **Category of use**  
High frequency of use by public.
- **Durability**  
Tested to 2.000.000 opening/closing cycles.
- **Door mass:** Up to 200 kg
- **Fire resistance**  
A model suitable for fire resistant doors is available. Please contact us for more information.
- **Corrosion resistance**  
Very high resistance (240 hours in salt spray).

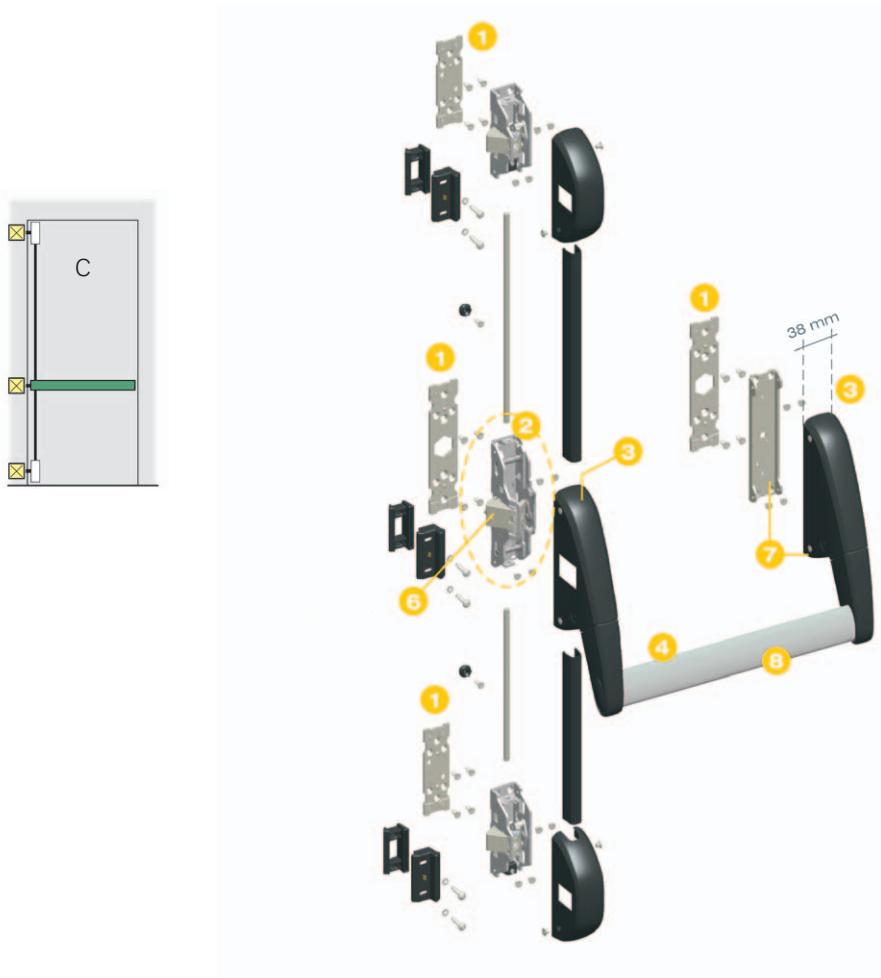
## Certified application schemes for single door

### Non-handed push bar - 1 locking point

- 1 All supports and latch bolts are assembled on steel counterplates (also welded) for quick, easy and secure fastening.
- 2 All mechanisms are non-handed.
- 3 Compact size (38mm) suitable for mounting on all Sapa Building System profiles.
- 4 Horizontal bars with large elliptical section for better grip.
- 5 Adjustable top and bottom latch bolts with security device.
- 6 Central latch bolt with security device.
- 7 Secondary support for inserting the dogging mechanism and microswitch.
- 8 Slip-in horizontal bar with ample machining tolerances; 40 mm elliptical section made of steel.



**Non-handed push bar - 3 locking points**



## Order information

**Kit for 1 point locking**

Kit for surface mounted Push Bar with 1 point locking, according to **application scheme A**.

Complete with:

- Latch bolt in nickel plated zamak
- Counter plates in galvanised steel
- 1200 mm bar in painted steel
- 1 keeper + 3 spacers in painted steel
- Screws in black galvanised steel

- For doors with a clear width of 800 to 1240 mm.
- Maximum door height 2450 mm.

**Kit for 3 point locking**

Kit for surface mounted Push Bar with 3 point locking, according to **application scheme C**.

Complete with:

- Latch bolt in nickel plated zamak
- Counter plates in white galvanised steel,
- 1200 mm bar in painted steel,
- Rods in aluminium
- Rod covers in painted aluminium,
- Adjustable plugs in black galvanised zamak,
- Keepers and spacers in painted steel,
- Screws in galvanised steel

- For doors with a clear width of 800 to 1240 mm.
- Maximum door height 2450 mm.

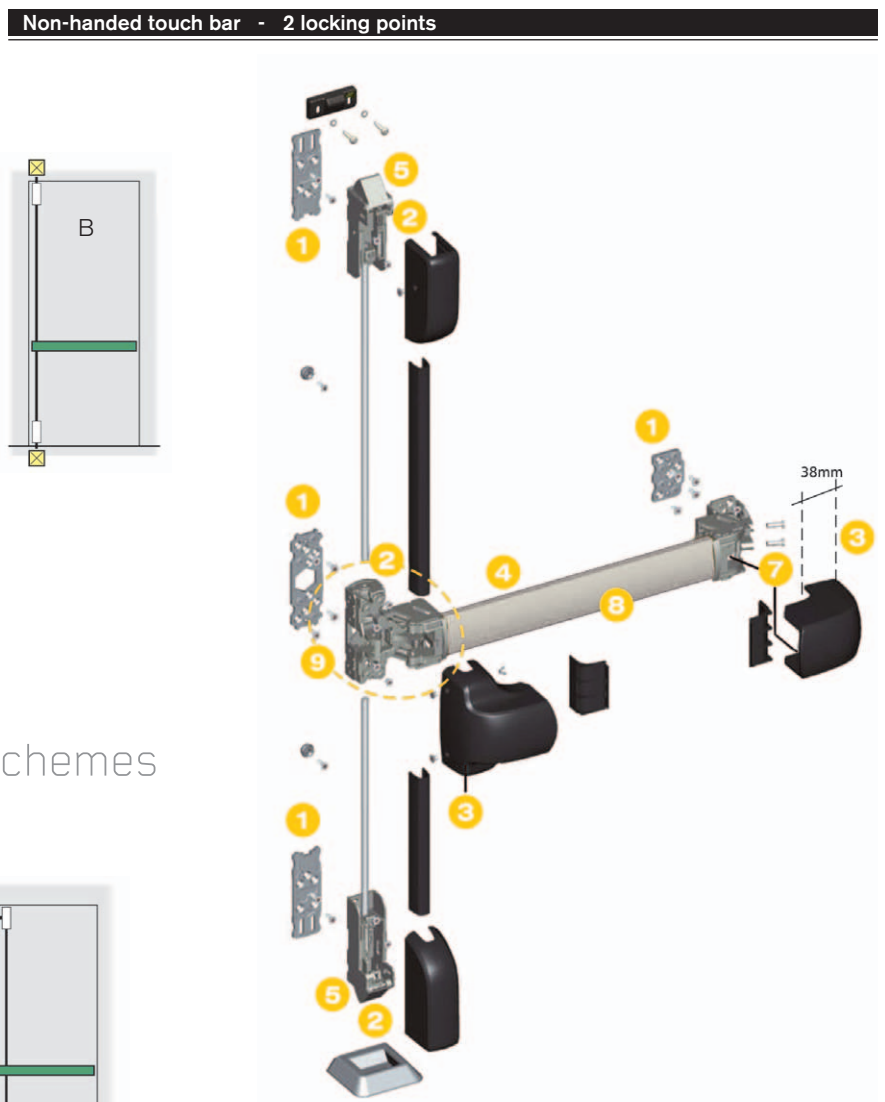
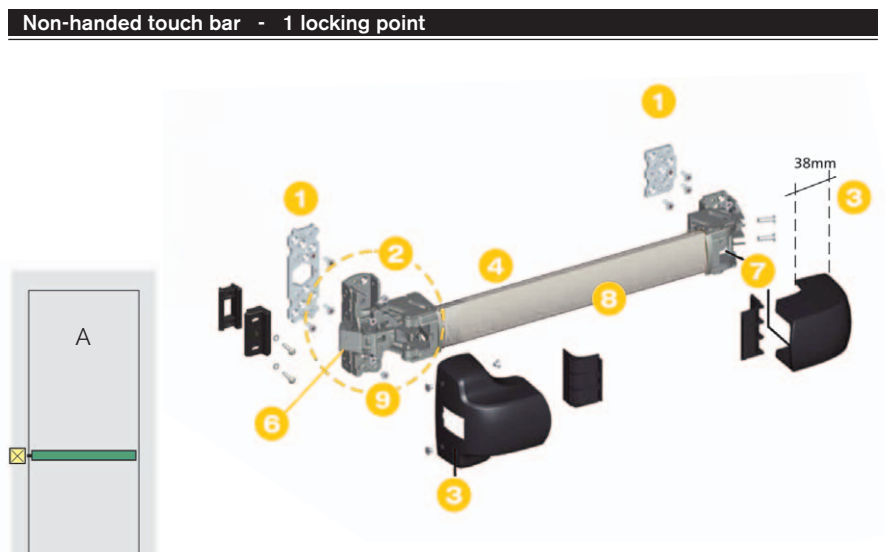
Art. number	Finish mechanism	Finish bar
SPB100NL	Silver gray	Silver gray
SPB100N.	Black RAL 9005	Green RAL 6029

Art. number	Finish mechanism	Finish bar
SPB300NL	Silver gray	Silver gray
SPB300N.	Black RAL 9005	Green RAL 6029

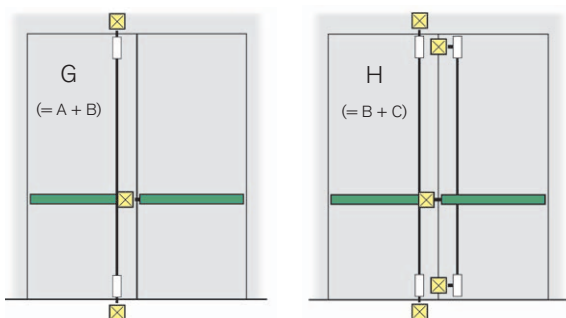
For more details regarding additional latching point options or additional colours, please contact us.

## Certified application schemes for single door

- 1 All supports and latch bolts are assembled on steel counterplates (also welded) for quick, easy and secure fastening.
- 2 All mechanisms are non-handed.
- 3 Compact size (38mm) suitable for mounting on all Sapa Building System profiles.
- 4 Horizontal bars with large elliptical section for better grip.
- 5 Adjustable top and bottom latch bolts with security device.
- 6 Central latch bolt with security device.
- 7 Secondary support for inserting the dogging mechanism and microswitch.
- 8 Grippable horizontal bar for easier re-shutting of the door; in just one aluminium piece, therefore quicker and easier to cut, with wide cutting tolerance.
- 9 Movement on rollers for improved smoothness of operation.



## Certified application schemes for double door



*For additional, specific solutions, such as alternative latching points, please contact us.*

*For more details regarding additional latching point options or additional colours, please contact us.*

## Accessories for push-bars and touch-bar

### External fixed handles

External access device, idle handle without cylinder.

In painted zamak and galvanized steel, painted die-cast aluminium grip and screws in in black galvanised steel.



Article number	Finishes
DCA145N	Black RAL 9005
DCA145NL	Silver gray

### External fixed handle with knob

In painted zamak and galvanized steel. Including European profile cylinder with different key combinations + 3 nickel plated keys, square sprindle and screws galvanised steel.

Preferably for use with the 1 locking point version.



Article number	Finishes
DCA345N	Black RAL 9005



Sapa Building System is one of the largest suppliers of aluminium building systems in Europe and is part of the Swedish group Sapa. The core business is the development and distribution of aluminium profile systems. Sapa Building System aims for well-developed systems and project solutions, offering a tangible added value to fabricators, architects, investors and home-owners.

**Windows & doors, Sliding systems, Curtain walls, Conservatories,  
Balustrades, Fences & others, Building integrated photovoltaics**

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