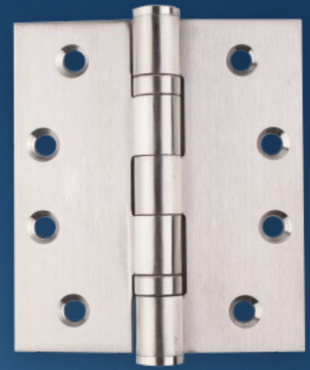




PRODUCT CATALOGUE

Door Hardware Catalogue

Discover Quality · Explore Style · Secure Places

05

Door Closers & Floor Springs

Surface, concealed and floor-mounted closing devices for every door weight.

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DOOR CLOSERS & FLOOR SPRINGS

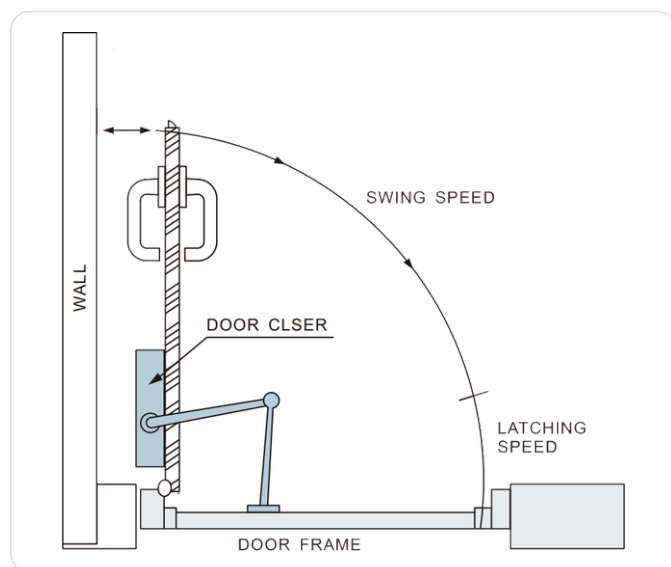
Closer adjustment guide

HOLD-OPEN ARM

Hold open is the ability of the door closer to hold the door in the open position. Most overhead door closers achieve this function via a special type of arm (hold-open arm).

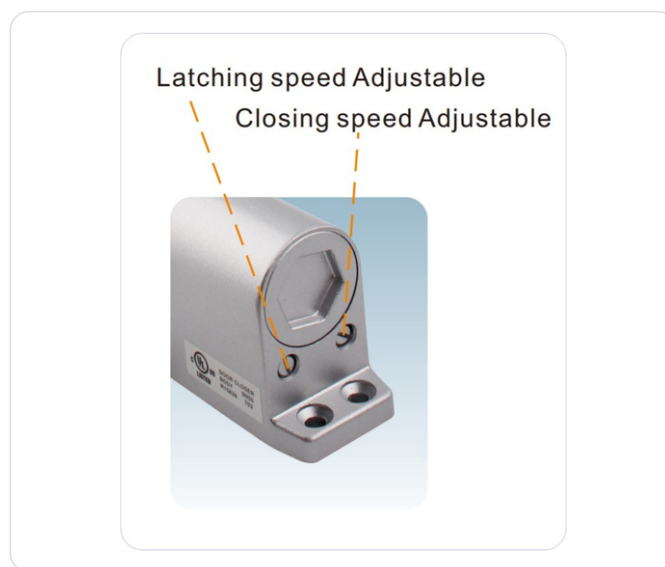
SWING SPEED

Adjustment controls how fast the door closes from fully open to within about fifteen degrees of closed.

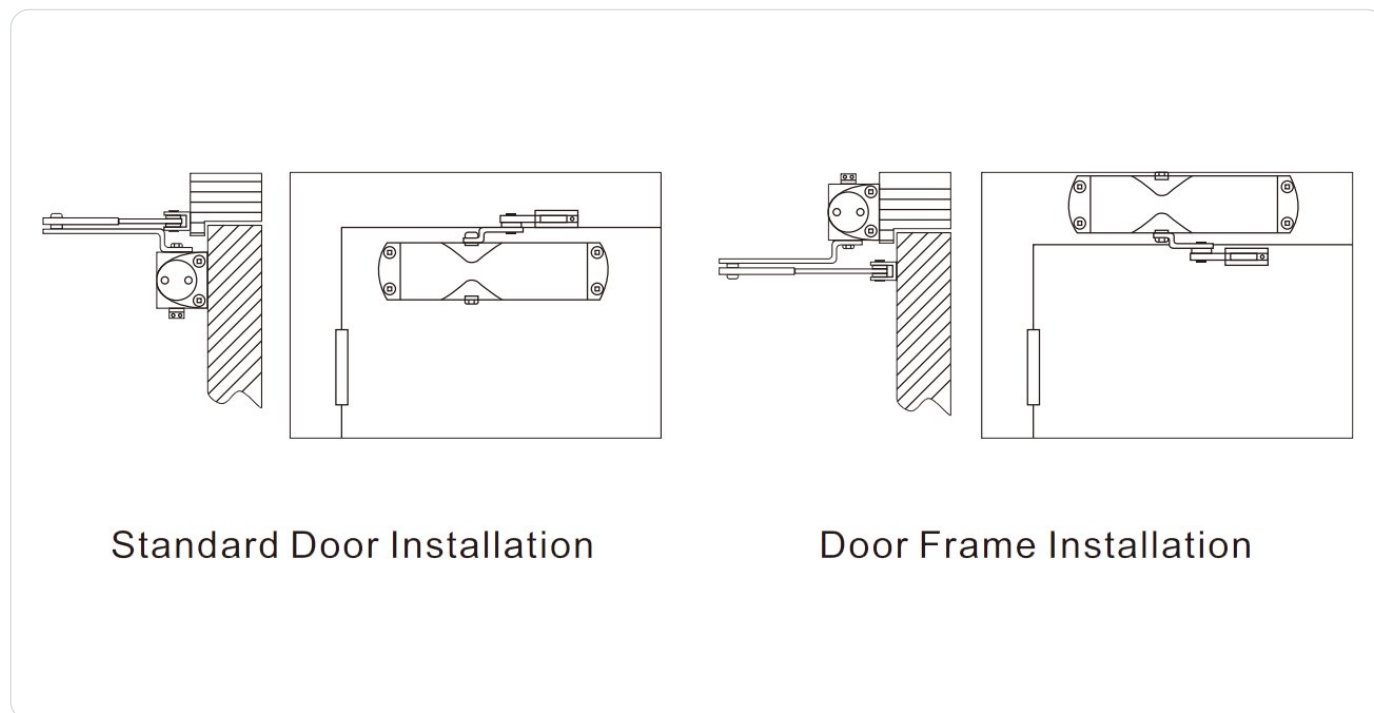


LATCHING SPEED

Adjustment controls how fast the door closes for those last few inches.



INSTALLATION



Standard Door Installation

Door Frame Installation

DOOR CLOSERS & FLOOR SPRINGS

Surface Closer

ART. NO. IDC-SC-85HO

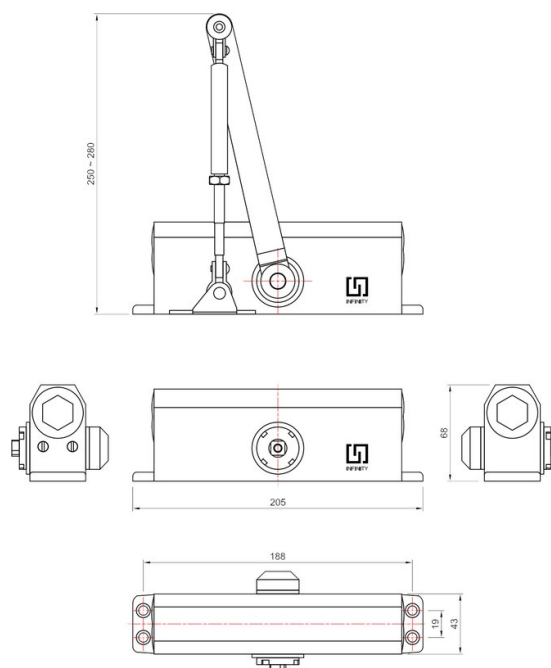


POWER SIZE	EN3
WIDTH OF DOOR	950 mm
WEIGHT OF DOOR	60 kg
MINIMUM DOOR THICKNESS	40 mm
SPEED	Latching & closing speed adjustable
MATERIAL	Aluminium
FINISH	Silver — other finishes available upon request

FEATURES

- High quality imported gaskets to prevent oil leakage
- Strong spring to guarantee powerful closing
- Reliable closing with adjustable latching action
- Complies with BS EN 1154

TECHNICAL DRAWING



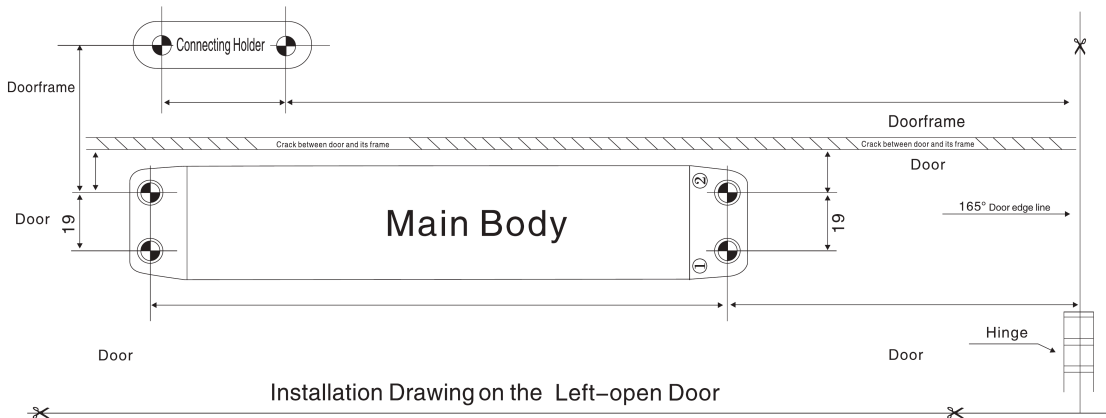
DOOR CLOSERS & FLOOR SPRINGS

Surface Closer – Technical Drawings

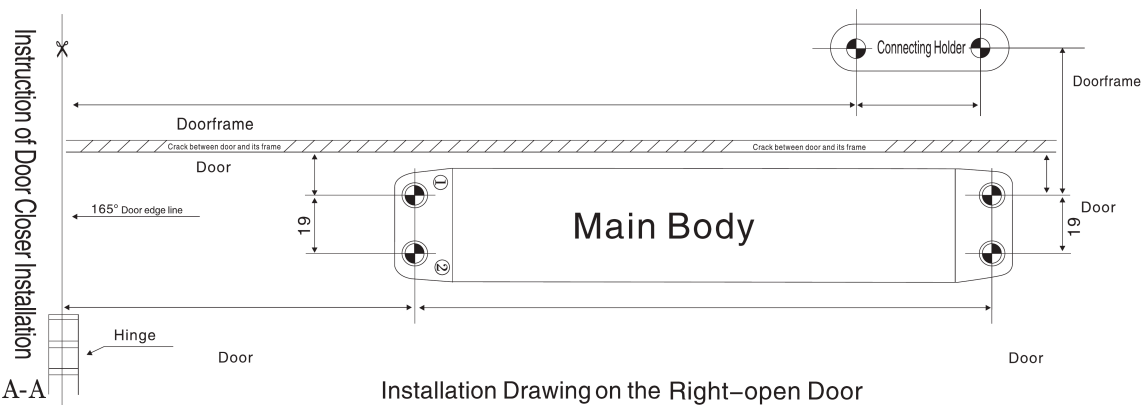
ART. NO.

IDC-SC-85HO

INSTALLATION DRAWINGS & SPECIFICATIONS



Specification and Function	Installation Notice of Door Closer with Stop function
- Applicable Door Width(mm) mm - Applicable Door Weight(kg) KG - Adjustable Section of Closing Speed 180° – 20° - Adjustable Section of Latching Speed 20° – 0° - The door closer is suitable for installing in various doors, such as, wooden door, metal door, glass door, etc. - The installation modes of vertical, parallel and slide-rail type all can be chosen at will. - The door closer can be chosen to stop or unstop at will. - Continuous adjustment of closing and latching speed: the fast speed can be adjusted to within 3seconds from 90degree, slowness close can reach to 60seconds or more	- Not to adjust the gear shaft over 180 degree, otherwise, door closer will be damaged. - If regulate the gear by swinging arm to 180 degree, the gear will keep stopping. And then the gear should return to original position immediately in order not to damage door closer in the next time. - The door closer has the automatically closing function. Better not to pull door by hand.
How to decide the opening direction The door closer is suitable for left-open door and right-open door installation. Please follow the below instruction to decide the open direction before installation.	Adjustment of Closing Speed The 1' adjustment screw controls the 1' segment closing speed. The 2' adjustment screw controls the 2' segment closing speed. The adjustment way is clockwise for slow, and counterclockwise for fast.



DOOR CLOSERS & FLOOR SPRINGS

Surface Closer Installation Steps

ART. NO.

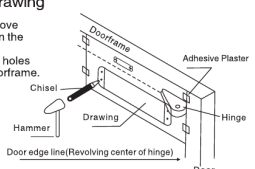
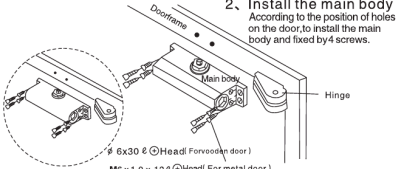
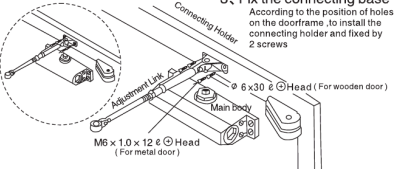
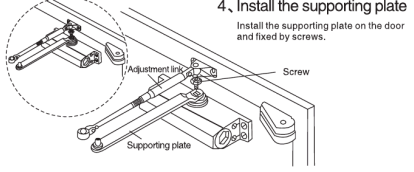
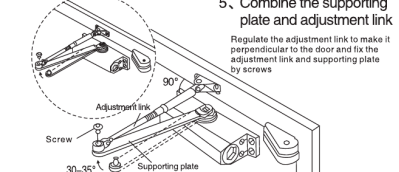
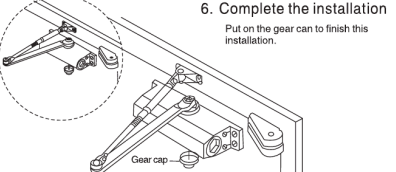
IDC-SC-85HO

Step-by-step fitting guide for the IDC-SC-85HO surface-mounted overhead closer. The same main body is used for left- or right-opening doors — only the mounting position changes.

KEY INSTALLATION NOTES

- Do not adjust the gear shaft past 180° — this will damage the closer.
- The closer closes automatically once installed; do not force the door shut by hand.
- Closing speed and latching speed are adjusted independently using the two valve screws on the body.
- Suitable for wooden, metal and glass doors; vertical, parallel and slide-rail mounting all apply.

INSTALLATION STEPS

1. Take off the above drawing According to the size on the above drawing, take off and paste it on the door with the adhesive plaster, mark 4 holes on the door and 2 holes on the connecting holder of doorframe. And then drill holes of $\varnothing 5.0\text{mm}$ 	2. Install the main body According to the position of holes on the door, to install the main body and fixed by 4 screws. 	3. Fix the connecting base According to the position of holes on the doorframe, to install the connecting holder and fixed by 2 screws 
4. Install the supporting plate Install the supporting plate on the door and fixed by screws. 	5. Combine the supporting plate and adjustment link Regulate the adjustment link to make it perpendicular to the door and fix the adjustment link and supporting plate by screws 	6. Complete the installation Put on the gear can to finish this installation. 

DOOR CLOSERS & FLOOR SPRINGS

 ART. NO. **IDC-CC-65HO**

Concealed Closer

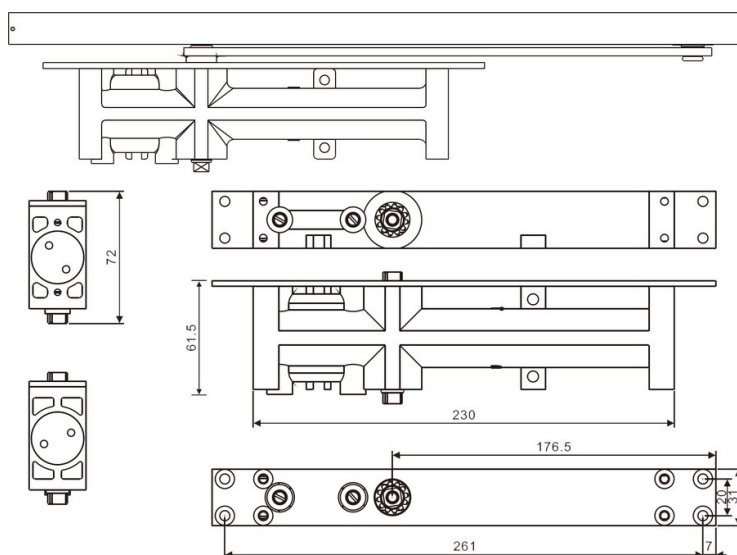


POWER SIZE	EN2-3
WIDTH OF DOOR	950 mm
WEIGHT OF DOOR	65 kg
MINIMUM DOOR THICKNESS	40 mm
SPEED	Latching & closing speed adjustable
MATERIAL	Aluminium
FINISH	Silver — other finishes available upon request

FEATURES

- High quality imported gaskets to prevent oil leakage
- Strong spring to guarantee powerful closing
- Reliable closing with adjustable latching action
- 2 speed controls: closing speed and latching speed

TECHNICAL DRAWING



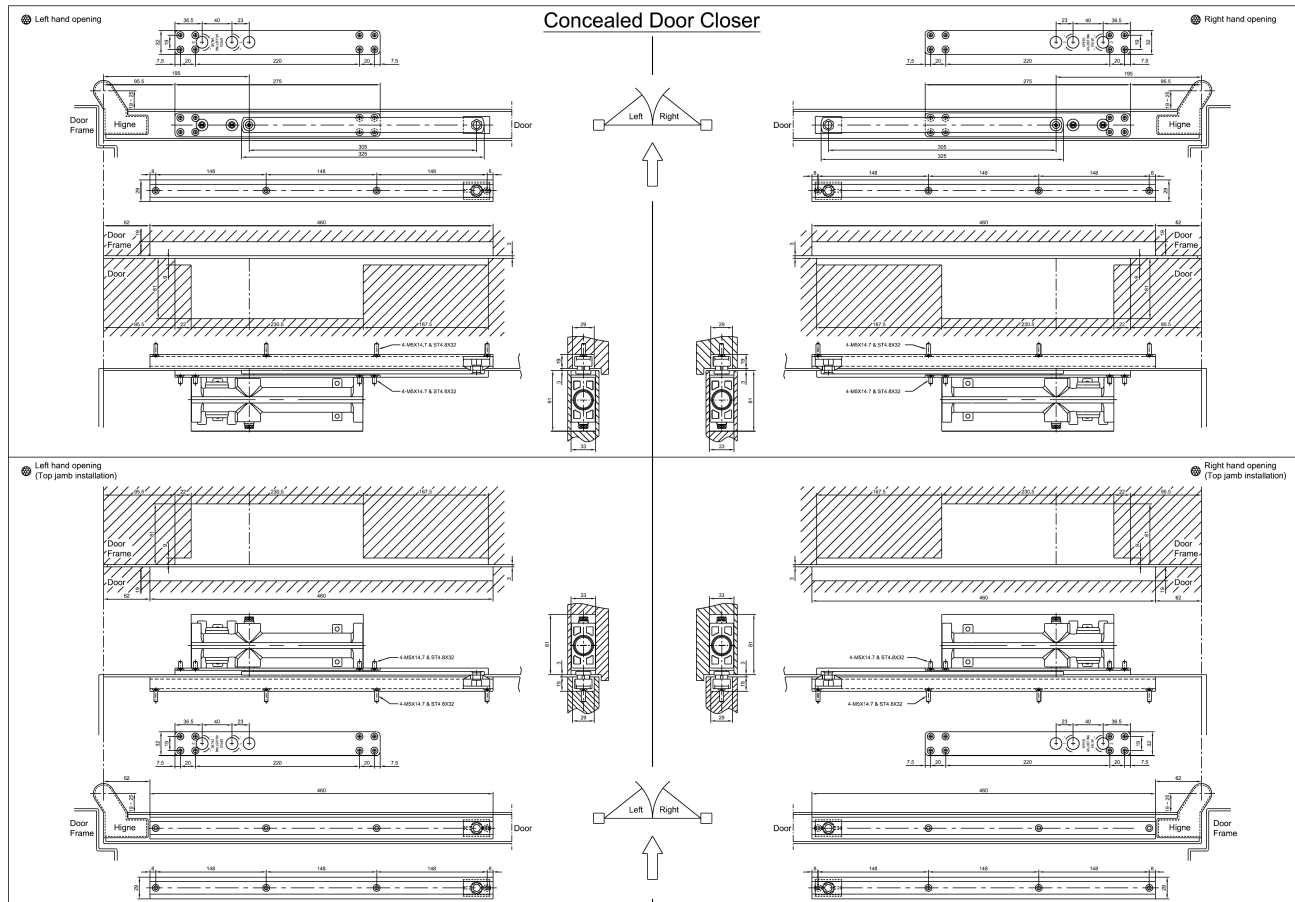
DOOR CLOSERS & FLOOR SPRINGS

Concealed Closer 65 – Technical Drawing

ART. NO.

IDC-CC-65HO

DIMENSIONAL REFERENCE – STANDARD & TOP-JAMB INSTALLATION



DOOR CLOSERS & FLOOR SPRINGS

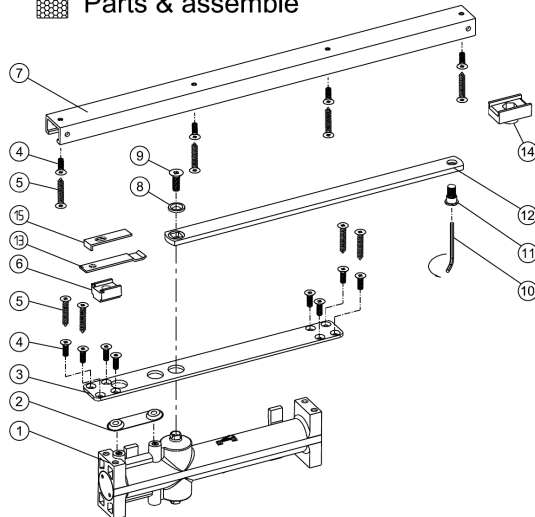
Concealed Closer 65 – Installation

ART. NO.

IDC-CC-65HO

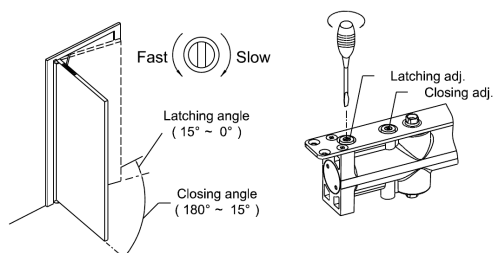
PARTS LIST, INSTALLATION STEPS & ADJUSTMENT

Parts & assemble

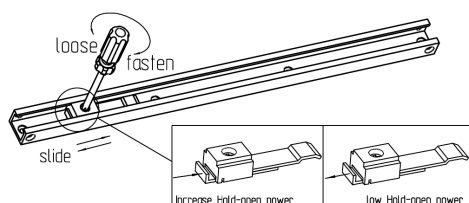


NO.	Parts	QTY	Remark
①	Body	1	
②	Baffle	1	
③	Fixing plate	1	
④	M5X14.7	12	
⑤	ST4.8X32	8	
⑥	Fixing part	1	Optional
⑦	Track	1	
⑧	Washer	1	
⑨	M6X12	1	
⑩	Wrench	1	
⑪	Fixing Screw M8	1	
⑫	Main arm	1	
⑬	Fixing steel plate	1	Optional
⑭	Sliding plastic part	1	
⑮	Adjustment plate	1	Optional

SPEED Adjustment



Hold-Open: Angle and power size adjustment

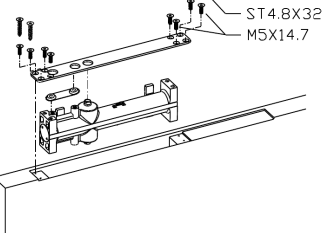


Suitable for R/L use

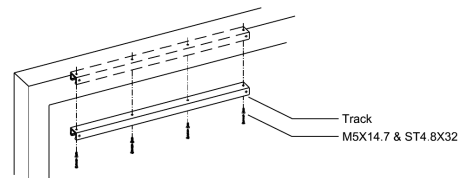
INSTALLATION

EN	DOOR WIDTH (mm)	DOOR WEIGHT (kg)	DOOR THICKNESS (mm)
2	≤850	≤40	wooden door ≥40
3	≤950	≤60	metal door ≥35

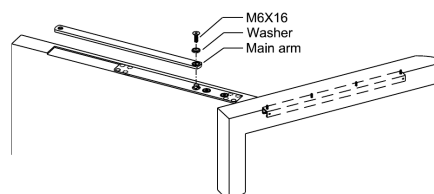
① Fixing and installation of the body



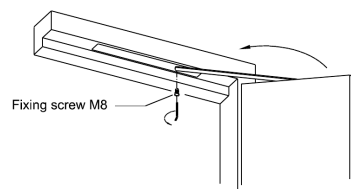
② Fixing and installation of the track arm.



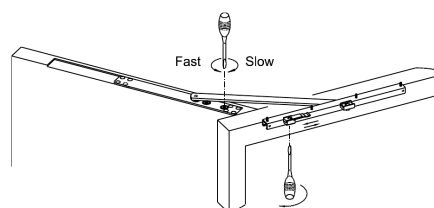
③ Combining the main arm and body.



③ Combining the main arm and sliding plastic part in the track.



③ Opening angle and closing speed adjustment.



DOOR CLOSERS & FLOOR SPRINGS

 ART. NO. **IDC-CC-100HO**

Concealed Closer

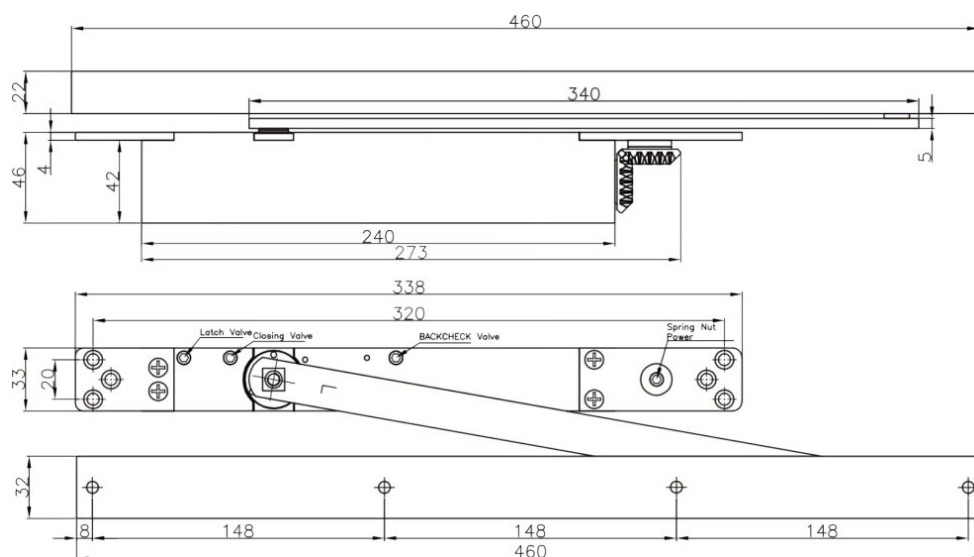


POWER SIZE	EN2-4
WIDTH OF DOOR	1100 mm
WEIGHT OF DOOR	100 kg
MINIMUM DOOR THICKNESS	44 mm
SPEED	Latching & closing speed adjustable
MATERIAL	Aluminium
FINISH	Silver — other finishes available upon request

FEATURES

- Global popular style: cam action mechanical concealed door closer
- Suitable for all kinds of doors
- Aluminium extrusion body, imported O-seal ring, full needle bearing, anti-freeze and rated hydraulic oil
- 2 speed controls: closing speed and latching speed

TECHNICAL DRAWING



DOOR CLOSERS & FLOOR SPRINGS

Concealed Closer 100 Installation Steps

ART. NO.

IDC-CC-100HO

Step-by-step fitting guide for the IDC-CC-100HO concealed track closer, with adjustable spring power EN2-EN4, backcheck and cam action.

KEY INSTALLATION NOTES

- Remove the hold-open device before fitting to a fire door.
- Maximum opening angle: 120° (non hold-open) / 105° (hold-open).
- Spring power, closing speed and latching speed are all field-adjustable — see steps 5-8.
- Backcheck valve: never close fully, or the closer may be damaged.

INSTALLATION STEPS

1

1. Choose the opening direction. Please DO NOT take away the parts out of the track.
2. The slider position should be away from the hinge side as shown.

2

1. Locate the closer body as shown.
2. For wood door, drill the hole by $\varnothing 2.5$ and then top hole by $\varnothing 4.2$ and then top hole by $\varnothing 4.2$ and then top hole by $\varnothing 4.2$.

3

1. Put the arm holes into the square hole.
2. Turn the closing valve clockwise as it the way until it stops.
3. Turn by 40°

4

Take the arm out.
2. Put the arm holes into another direction flat surface as shown. Secure it tightly by provided screw.

5

Connect the main arm and slider by provided screw.

Spring power adjustment:

EN2	EN3	EN4
-6	0	+9

6 Closing Control:

Adjust the closing time 3-5 Seconds.

EN2	EN3	EN4
60kg	80kg	100kg
850mm Max	950mm Max	1100mm Max

7 Latch Control:

Adjust the latching time within 1 to 2 seconds.

EN2	EN3	EN4
60kg	80kg	100kg
850mm Max	950mm Max	1100mm Max

8

Backcheck cushion to protect the door or the people behind the door.

NEVER CLOSE THIS VALVE COMPLETELY OTHER CLOSER MAY BE DAMAGED.
Please keep this valve open when hold open function is applied.

DOOR CLOSERS & FLOOR SPRINGS

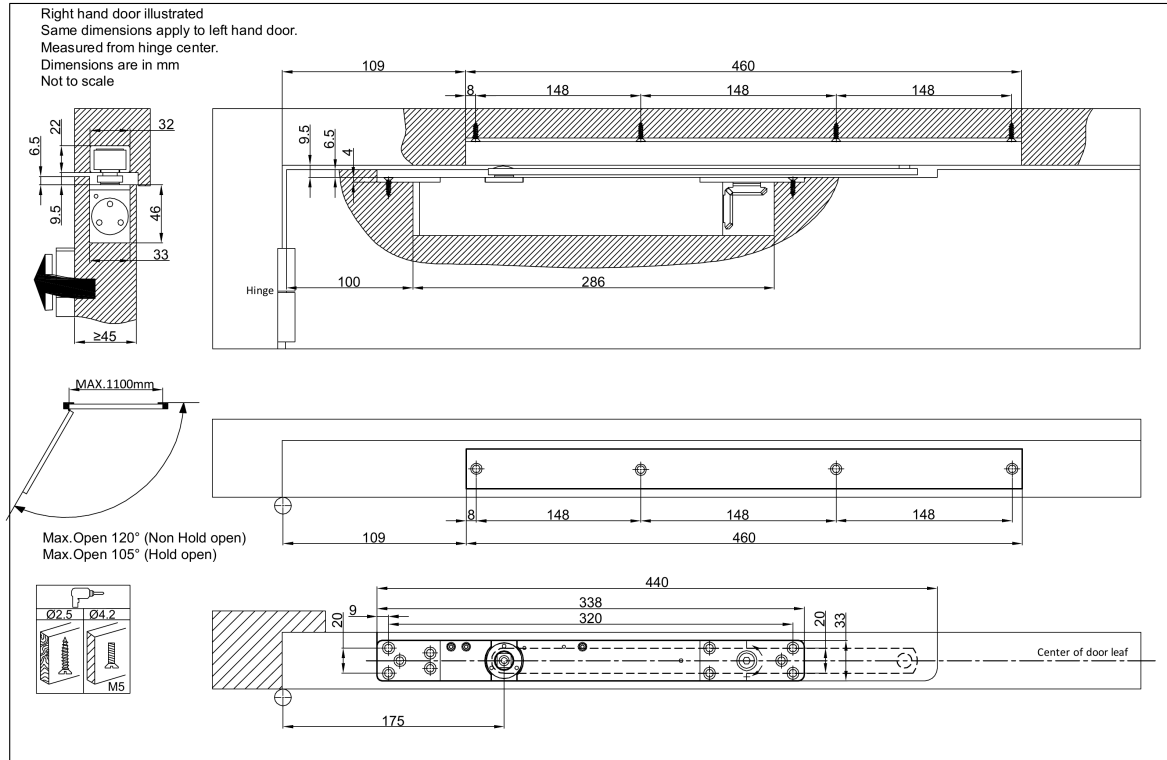
Concealed Closer 100 – Technical Drawing (1 of 2)

ART. NO.

IDC-CC-100HO

DIMENSIONAL REFERENCE 1/2

IDC-CC-100HO DOOR CLOSERS INSTALLATION INSTRUCTIONS ADJUSTABLE SPRING POWER SIZE 2 TO 4, BACKCHECK, CAM ACTION



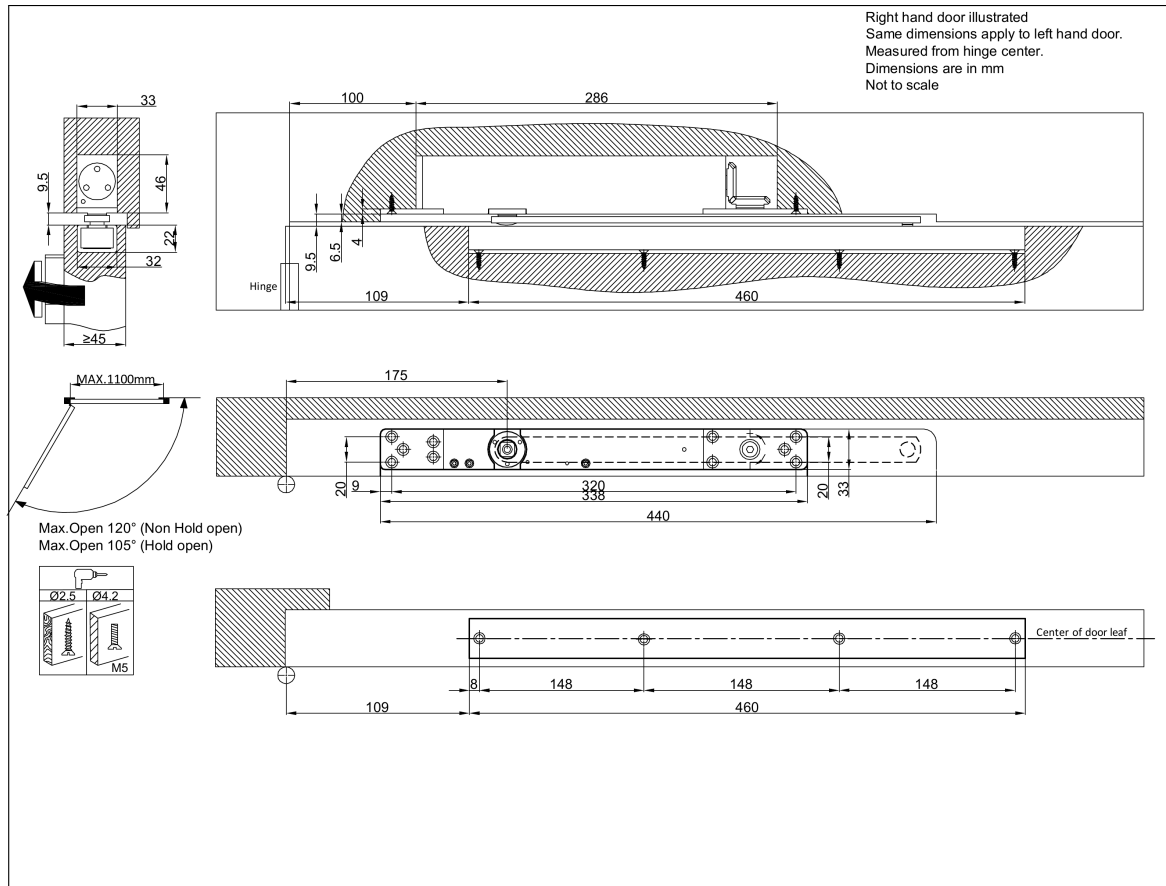
DOOR CLOSERS & FLOOR SPRINGS

Concealed Closer 100 – Technical Drawing (2 of 2)

ART. NO.

IDC-CC-100HO

DIMENSIONAL REFERENCE 2/2



DOOR CLOSERS & FLOOR SPRINGS

Floor Spring

ART. NO. IDC-FS-200HO

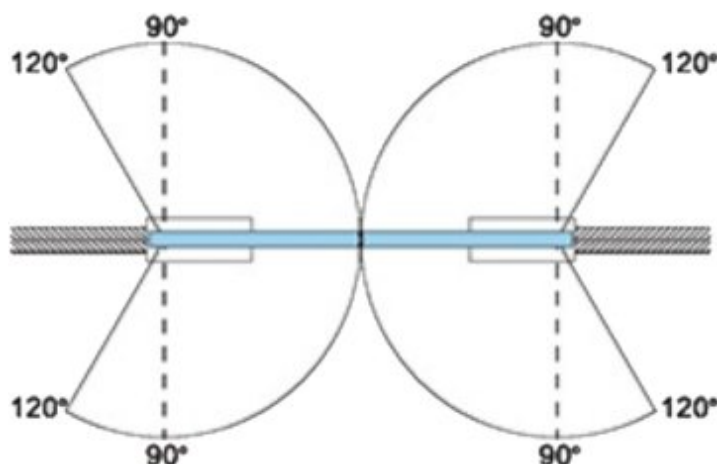
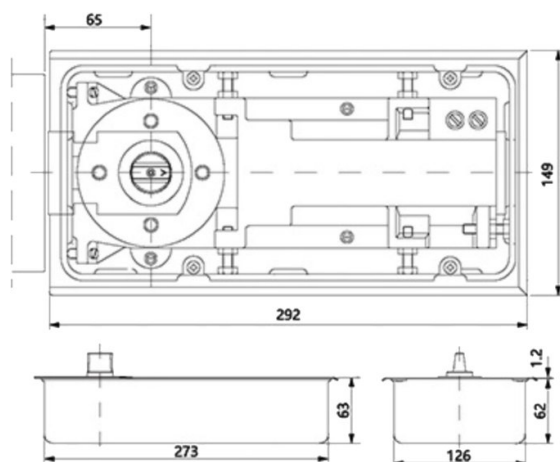


POWER SIZE	EN2-4
WIDTH OF DOOR	1300 mm
WEIGHT OF DOOR	200 kg
MINIMUM DOOR THICKNESS	44 mm
SPEED	Latching & closing speed adjustable
MATERIAL	Cast iron
FINISH	Stainless steel cover — other finishes available upon request

FEATURES

- Global popular style floor closer
- Suitable for all kinds of doors
- Cast iron body
- 2 speed controls: closing speed and latching speed

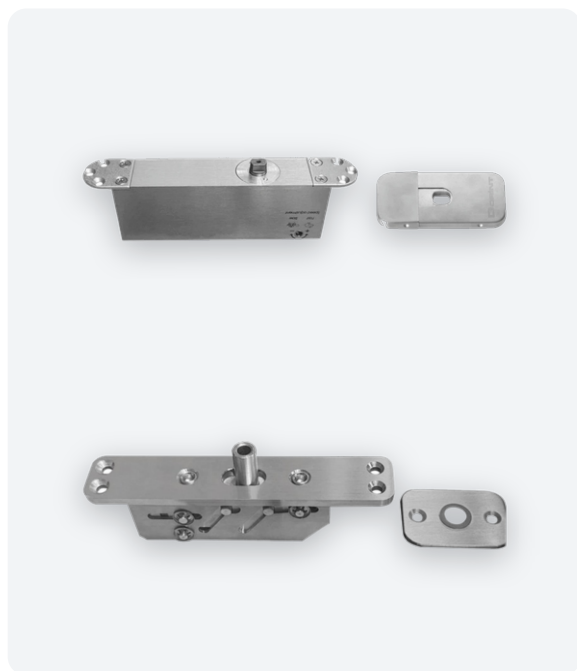
TECHNICAL DRAWING



DOOR CLOSERS & FLOOR SPRINGS

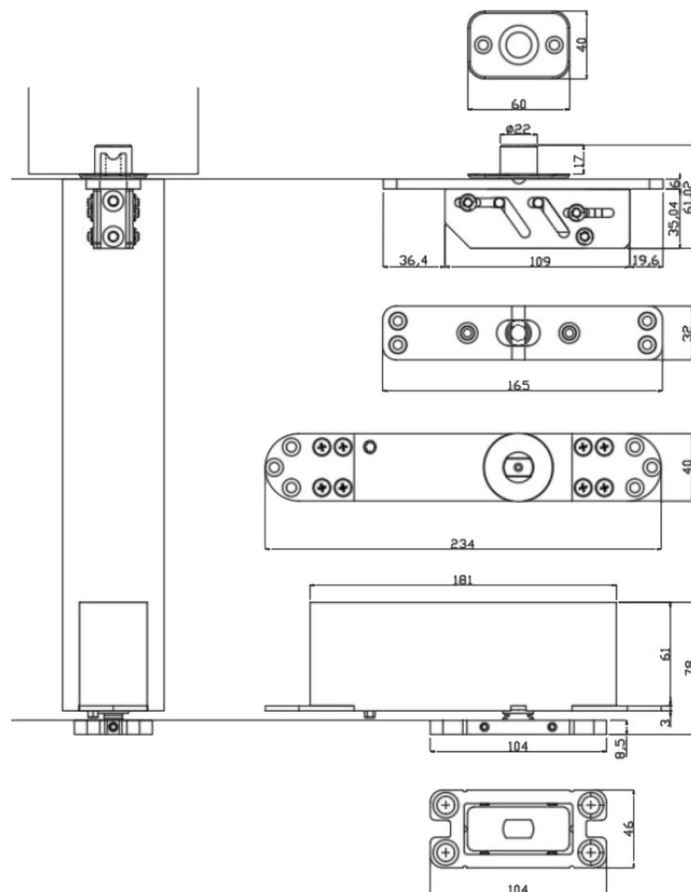
ART. NO. IDC-HP290

Hydraulic Floor Pivot



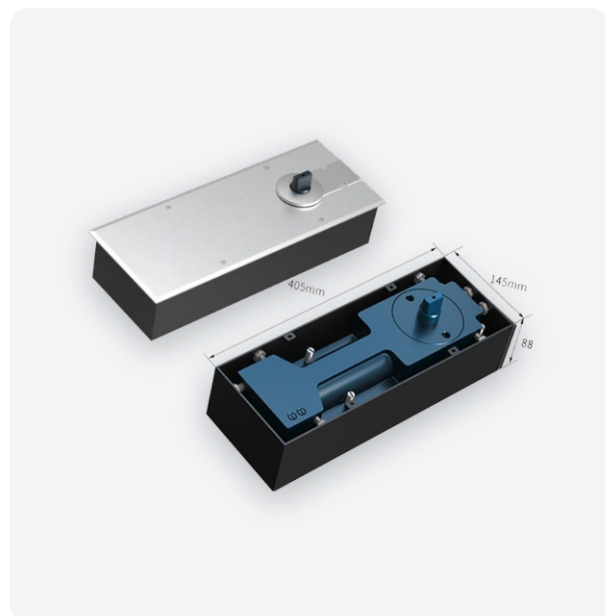
WIDTH OF DOOR	2000 mm
WEIGHT OF DOOR	290 kg
AUTOMATIC CLOSING	$\pm 180^\circ, \pm 90^\circ$
SPEED	Bidirectional adjustable speed
MATERIAL	Stainless steel
FINISH	Stainless steel

TECHNICAL DRAWING



DOOR CLOSERS & FLOOR SPRINGS

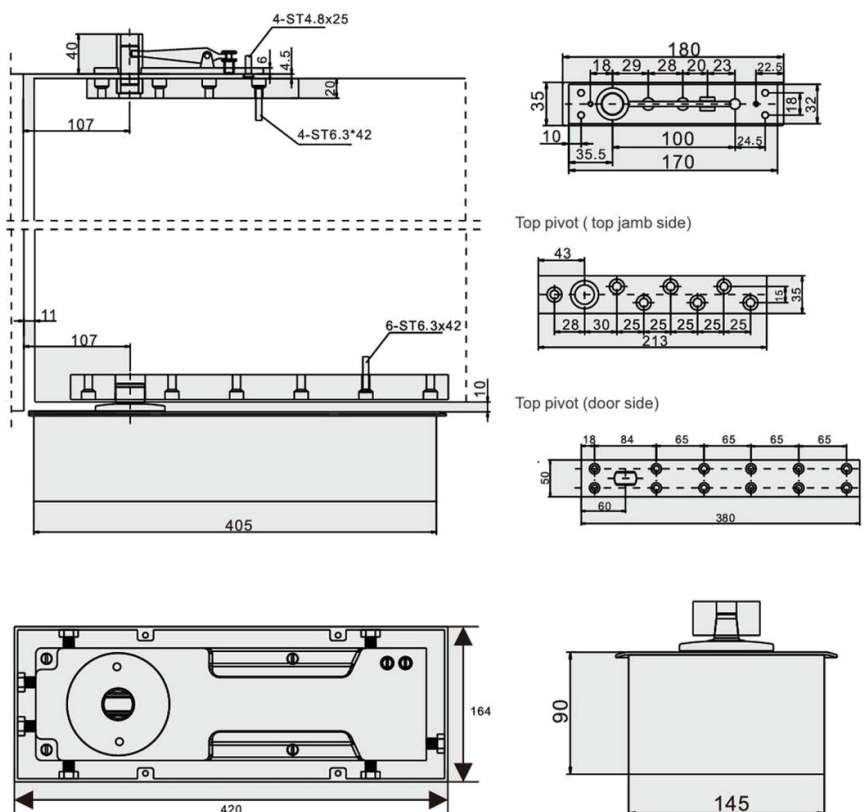
Heavy Weight Floor Spring

 ART. NO. **IFS-1000**


Infinity floor spring for extra heavy-duty framed and large doors. Size EN7 for doors up to 1000 kg. Spring tension is adjustable to regulate closing speed.

FORCE	EN7 force efficient closing door opening force
HOLD OPEN	Hold open function
MAX. DOOR WEIGHT	1000 kg
MAX. DOOR WIDTH	1800 mm
SIZE	405 × 145 × 88 mm
POSITIONING	90° / 130° positioning, rotatable 360°
SPEED CONTROL	Two section speed control
LATCHING SPEED	Adjustment 0–20°
CLOSING SPEED	Adjustment 20°–90°
MATERIAL	Stainless steel + cast iron

DIMENSIONAL DRAWING



DOOR CLOSERS & FLOOR SPRINGS

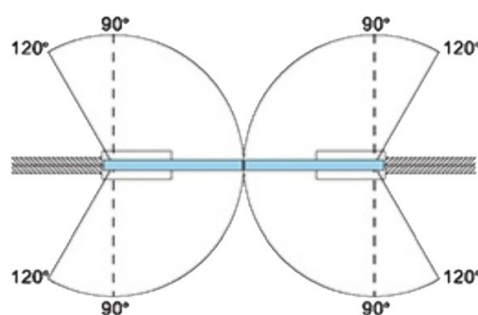
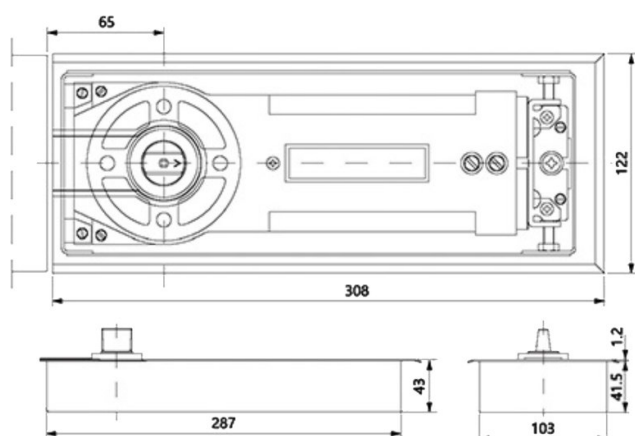
Floor Spring

ART. NO. IFS-90



MAX. DOOR LEAF WIDTH	< 900 mm
HOLD OPEN	Hold open function
MAX. DOOR WEIGHT	90 kg
SPEED GOVERNING CONTROL	Two stage adjustable speed
DIMENSION (L × W × H)	287 × 103 × 42 mm
SPEED CONTROL	Two section speed control
MATERIAL	Stainless steel + cast iron

TECHNICAL DRAWING & OPENING ANGLE



Central axis, 90° two-way open type, the maximum dynamic positioning the opening Angle of 120°



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