SOFT-DOWN STAY SDS-100, SDS-C100







LIFT ASSIST STAYS

SOFT CLOSING STAYS

TORQUE STAYS

HEAVY DUTY LOCKING STAYS

FOOT STAYS

LID STAYS

OTHER STAYS

TOP-OPENING

DOWNWARD-OPENING

UPWARD-OPENING

BOTTOM-OPENING

SWING

LIFT-UP

LIFT-DOWN

UP & OVER

FOLDING

OVER THE TOP

DOOR



Opening Direction Item Name Description Non-handed Maximum Door Moment

SDS-100
Downwardopening SDS-C100 With Catch

- For downward-opening doors.
- Non-handed: Can be installed either on left or right side.
- SDS-C100 (with catch) is designed to hold the door in fully closed position. Catch is necessary when using SDS-100 (without catch).
- For door hinge, piano/butt hinge or 3-way adjustable drop hinge SDH-001
 is suitable.

[Specifications]

■Operating temperature: 0°C~40°C

[Remarks

- Be sure to read the "Cautions"
- When placing objects or working on the surface of opened door, install a brace or reinforcement material to support the door in addition to the stay.

[Parts Included]

- Mounting plate SDS-A
- ■Countersunk head tapping screw 3.5×14

[Sold Separately]

SDS face plate and spacer for glass door





Sasuga-kun

Nickel



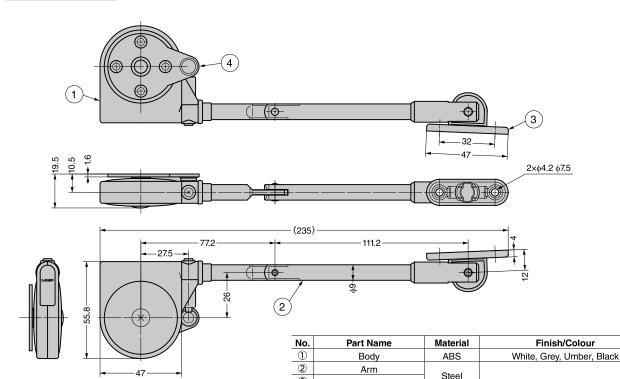
Mounting Plate SDS-A

[Maximum Door Moment]

With 1 stay

Maximum door moment = 3.43~4.9 N · m

With 2 stays, the maximum door moment will be doubled.
Maximum door moment (N • m) = Door weight (kg)×9.80665×Distance from rotation centre to door centre of gravity (m)



3

4

Refer to 1 : P.269, 2 : P.293, 3 : P.369

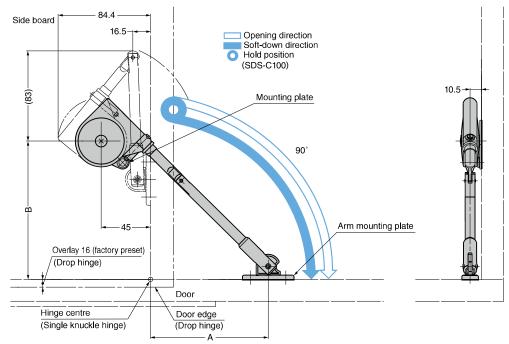
Arm Mounting Plate

Mounting Plate

(SPCC)

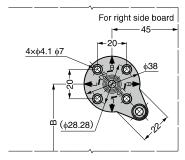
[Installation] Right side installation for downward-opening 90° . Left side installation is symmetrical.

Comes down slowly and softly in opening direction. Installation with piano/butt hinge or drop hinge shown below.



Installation dimensions vary depending on hinge type. Reference point of installation dimension: hinge centre for piano/butt hinge or two-piece piano hinge, while door edge for drop hinge 1.

[Installation for Mounting Plate]



For right side board, install with the " \rightarrow " mark of R at DS side directly upwards. For left side board, install with the "→" mark of L at DS side directly upwards.

Hinge Type	Arm Mounting Plate Position	Mounting Plate Position		
	Α	В		
Single Knuckle Hinge	100	135		
Drop Hinge (SDH-001)	107※1	126		
Drop Hinge (SDH-P)	108.5※2	124.5		

¾₁ In case of overlay 16mm (factory preset)

^{※2} In case of overlay 19mm (factory preset)

[Body]											
RoHS	CAD	Item Code	Item Name	Туре	Material	Finish/	Maximum Door Moment	Maximum Door Moment	Weight	Вох	Carton
						Colour	N·m/pc	kgf · cm/pc	(g)	(pcs)	(pcs)
G	3D	180-100-261	SDS-100W	Without Catch	ABS/Steel	Nickel/		35~50	167	20	100
G	3D	180-014-892	SDS-C100-W	With Catch		White	3.43~4.9			20	100
ď	3D	180-100-262	SDS-100G	Without Catch		Nickel/				20	100
G	3D	180-100-266	SDS-C100-G	With Catch		Grey				20	100
G	3D	180-100-263	SDS-100U	Without Catch		Nickel/				20	100
G	3D	180-100-267	SDS-C100-U	With Catch		Umber				20	100
ď	3D	180-027-278	SDS-100-B	Without Catch		Nickel/				20	100
G	3D	180-014-891	SDS-C100-B	With Catch		Black				20	100

[SDS Face Plate and Spacer for Glass Door] Sold Separately 2

RoHS	CAD	Item Code	Item Name	Material	Finish/Colour	Weight (g)	Box (pcs)	Carton (pcs)
G	3D	180-100-260	SDS-50G-CR	7: All (7D0)/AD0	Chrome/Black	0.5	50	200
G	3D	180-928-046	SDS-50G-BL	Zinc Alloy (ZDC)/ABS	Black Enamel Finish/Black	25	50	200

Refer to 1 : P.268, P.269, 2 : P.369



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HEAVY DUTY LOCKING STAYS

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OTHER STAYS

TOP-OPENING

DOWNWARD-OPENING

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OVER

Industrial Component Hardware Catalogue