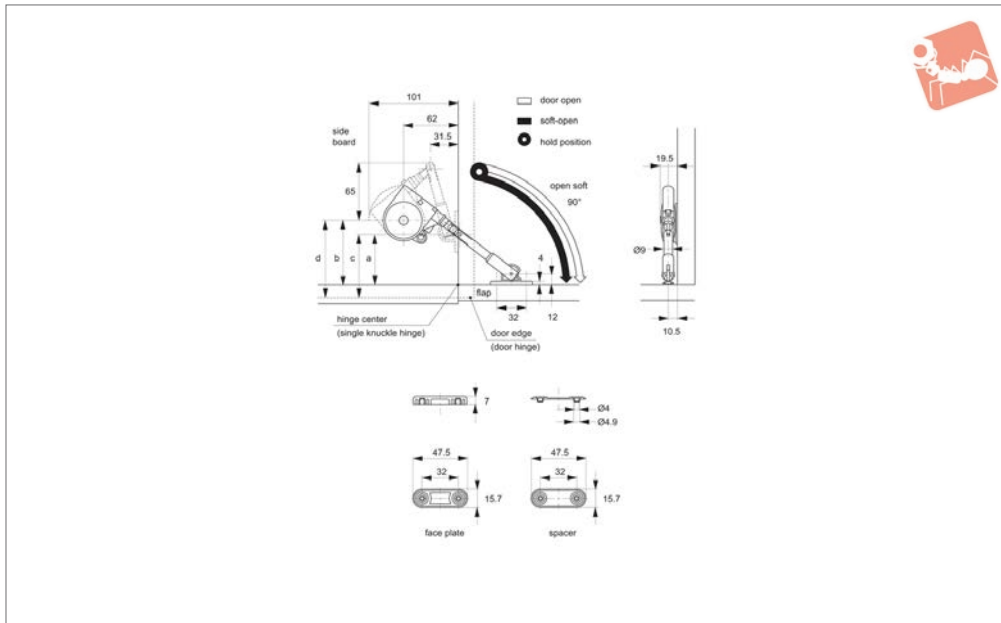




Short Arm Soft-Opening Stays - for 90° opening angle - for TV/DVD and Hi-fi Cabinets

Soft & Spring Stays



N0060

SOFT & SPRING STAYS

Material

Arm: zinc alloy, steel, bright nickel finish.
Body: plastic.
Mounting plate: zinc alloy, steel, bright nickel finish.

Technical Notes

For use with lids which are downward opening, with single knuckle or drop hinges. Short arm makes this stay suitable for low height applications such as TV/DVD and Hi-fi applications.
Designed to control speed at which a suitable lid opens, for smooth controlled motion.
Opening angle of 90°. Temperature range

0° to 40°C.

„With catch“ type has catch to hold lid in closed position. „W/o catch“ type requires external catch, such as a magnetic or touch latch, to retain lid.

Stay has sprung elbow section which must be released prior to closing lid - please take care not to catch fingers when handling.

Tips

Supplied with mounting plate. Please order coverplate, to your desired colour serately. Optional cover plates available for glass door applications, please order separately.

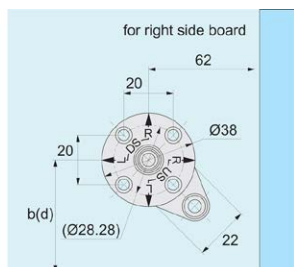
Important Notes

For use with relatively light weight cabinet or furniture lids. Improper application, or use on a lid not within recommended size and load bearing value, may lead to stay being overcome and slamming of lid. Application must be within both the min. and max. load bearing value of the stay, see above table for load bearing capacity when using stays as single or in pairs.

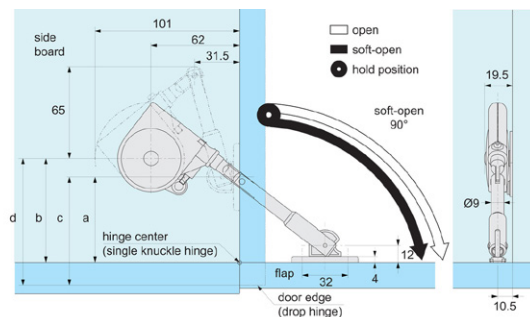
Check Load Bearing Value (T):

T (Load Bearing Value of stay Kg/cm) = $1/2$ Door Height cm x Door Weight Kg.

Order No.	Type	Colour	Acceptable load bearing single kg/cm min. max.	Acceptable load bearing pair kg/cm min. max.	Weight g
N0060.AC0010	W/o Catch	White	0,5 to 12,0	10 to 24	140
N0060.AC0020	W/o Catch	Black	0,5 to 12,0	10 to 24	140
N0060.AC0110	With Catch	White	0,5 to 12,0	10 to 24	140
N0060.AC0120	With Catch	Black	0,5 to 12,0	10 to 24	140



Mounting plate installation

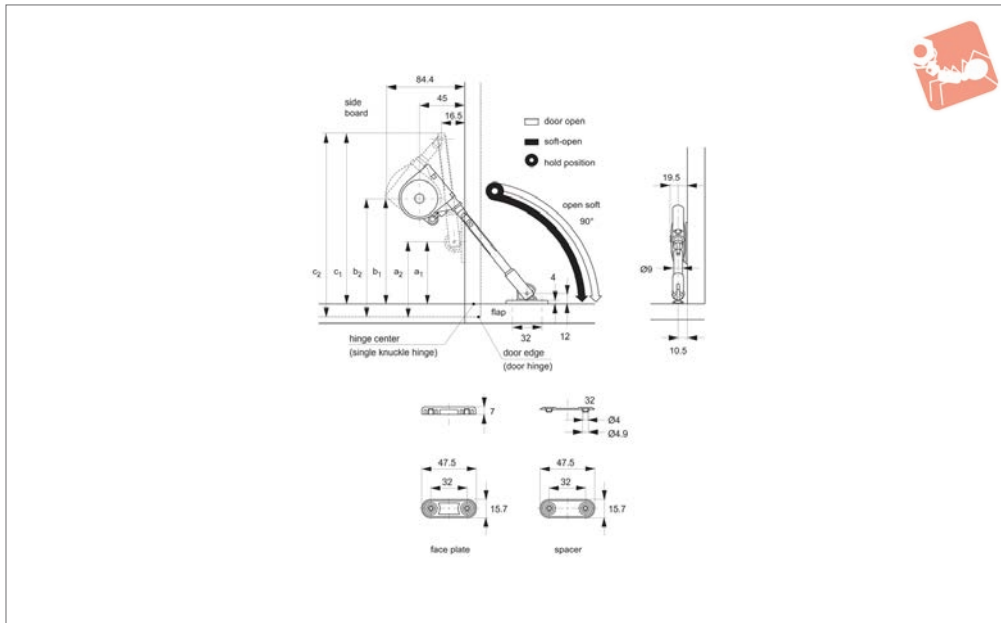


Soft down stay installation



Soft-Opening Stays - for Downward 90° opening angle

Soft & Spring Stays



N0070

SOFT & SPRING STAYS

Material

Arm: zinc alloy, steel, bright nickel finish.
Body: plastic.
Mounting plate: zinc alloy, steel, bright nickel finish.

Technical Notes

For use with lids which are downward opening, with single knuckle or drop hinges. Longer arm for higher load bearing capacity applications. Designed to control speed at which a suitable lid opens, for smooth controlled motion.
Opening angle of 90°. Temperature range

0° to 40°C.

Stay has an integrated catch to hold lid in closed position.

Stay has a sprung elbow section which must be released prior to closing lid - please take care not to catch fingers when handling.

Tips

Supplied with mounting plate. Please order cover plate, to your desired colour separately.
Optional cover plates available for glass door applications, please order separately.

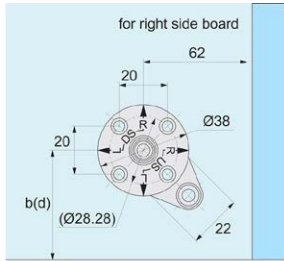
Important Notes

Improper application, or use on a lid not within recommended size and load bearing value, may lead to stay being overcome and slamming of lid. Application must be within both the min. and max. load bearing value of the stay, see above table for load bearing capacity when using stays as single or in pairs.

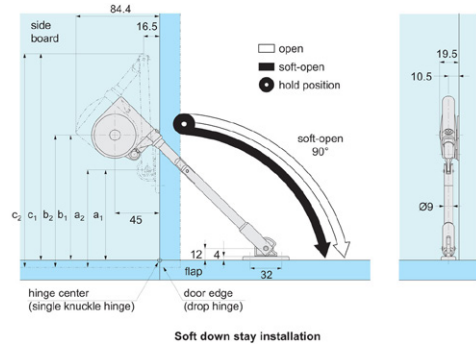
Check Load Bearing Value (T):

$$T \text{ (Load Bearing Value of stay Kg/cm) } = \frac{1}{2} \text{ Door Height cm x Door Weight Kg.}$$

Order No.	Type	Colour	Acceptable load bearing single kg/cm min. max.	Weight g
N0070.AC0010	Stay	White	35 to 50	167
N0070.AC0020	Stay	Black	35 to 50	167



Mounting plate installation



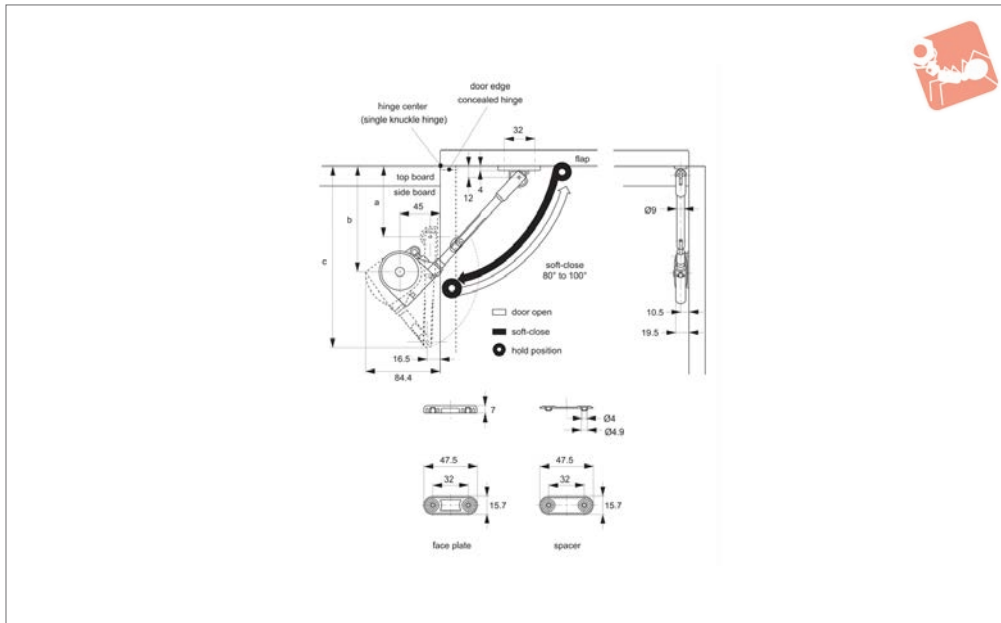
Soft down stay installation



Soft-Closing Stays - for Top Opening

80° to 100° opening angle

Soft & Spring Stays



N0080

SOFT & SPRING STAYS

Material

Arm: zinc alloy, steel, bright nickel finish.
Body: plastic.
Mounting plate: zinc alloy, steel, bright nickel finish.

Technical Notes

For use with lids which are top opening, with concealed, piano or butt hinges.
Longer arm for higher load bearing capacity applications.
Designed to control speed at which a suitable lid closes and hence prevent lid slamming shut.
Opening angle of 90°. Temperature range 0° to 40°C.

Stay is designed to hold lid in fully open position.

Stay has a sprung elbow section which must be released prior to closing lid - please take care not to catch fingers when handling.

Tips

Order mounting plate separately, for universal left and right hand application. Supplied with mounting plate. Please order cover plate, to your desired colour, separately.
Opening angle can be varied between 80° to 100° via change of mounting dimensions - see installation dimensions below.

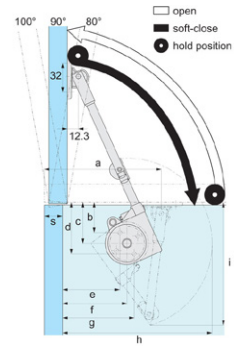
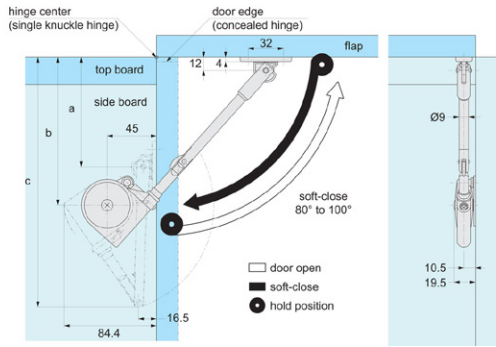
Important Notes

Improper application, or use on a lid not within recommended size and load bearing value, may lead to stay being overcome and slamming of lid. Application must be within both the min. and max. load bearing value of the stay, see above table for load bearing capacity when using stays as single or in pairs.

Check Load Bearing Value (T) :

$$T \text{ (Load Bearing Value of stay Kg/ cm) } = \frac{1}{2} \text{ Door Height cm x Door Weight Kg}$$

Order No.	Type	Colour	Acceptable load bearing single		Acceptable load bearing pair		Weight g
			min.	max.	min.	max.	
N0080.AC0010	Stay	White	40	70	80	140	165
N0080.AC0020	Stay	Black	40	70	80	140	165





Installation Instructions for Soft Closing Stay

N0080
Stays

1 for right side board

Opening angle	80°	90°	100°
a	141,0	132,5	126,5
b	31,9	32,3	32,9
c	45	45	45
d	58,1	57,7	57,1
e	98,2-S	88,7-S	81,2-S
f	103,5-S	95,0-S	88,5-S
g	108,8-S	101,3-S	95,8-S
h	197,5	189,0	182,5
i	134,8	134,8	134,8

*S = overlay coverage.

2

Opening angle	80°	90°	100°
a	138,5	128,5	121,5
b	32,6	33,2	33,9
c	45	45	45
d	57,4	56,8	56,1
e	94,1	83,1	75,2
f	101	91	84
g	107,9	98,9	92,8
h	195	185	178
i	134,8	134,8	134,8

Top opening installation

- 1 **Top left:**
Top opening lid with concealed hinge
- 2 **Top right:**
Top opening lid with single hinge - overlay type
- 3 **Bottom left:**
Top opening lid with single knuckle hinge - inset type
- 4 **Bottom right:**
Mounting plate installation

3

Opening Angle	80°	90°	100°
a	129,0	118,5	111,1
b	31,7	32,0	32,5
c	45	45	45
d	58,3	58,0	57,5
e	86,7	75,3	67,0
f	91,5	81,0	73,5
g	96,3	86,7	80,0
h	185,5	175,0	167,5
i	134,8	134,8	134,8

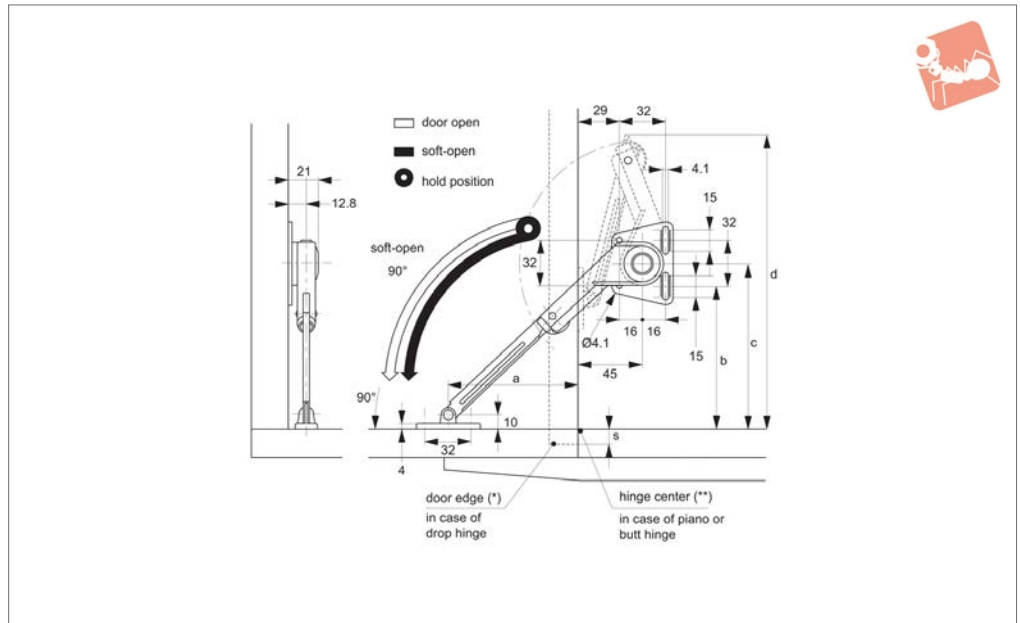
4 for right side board

SOFT & SPRING STAYS

ov-WN0080-A-T-installation-instructions-for-soft-stays-rmh- Updated -24-10-2022



N0100



Material

Zinc alloy, steel,
bright nickel finish.
Supplied with screws (3,5x15)

Technical Notes

For use lids which are downward opening, with piano, butt or drop hinges.

Designed to control speed at which a suitable lid closes and hence prevent lid slamming shut. Opening angle of 90°. Temperature range - 0° to +40°C. Speed of

closure adjustable via screw located at end of stay.

Stay has a sprung elbow section which must be released prior to closing lid - please take care not to catch fingers when handling.

Important Notes

For use with relatively light weight cabinet or furniture lids. Improper application, or use on a lid not within recommended size and load bearing value, may lead to stay being overcome and slamming of lid.

1) Checking Application Suitability:

1) Check Lid Size:

One Stay used:

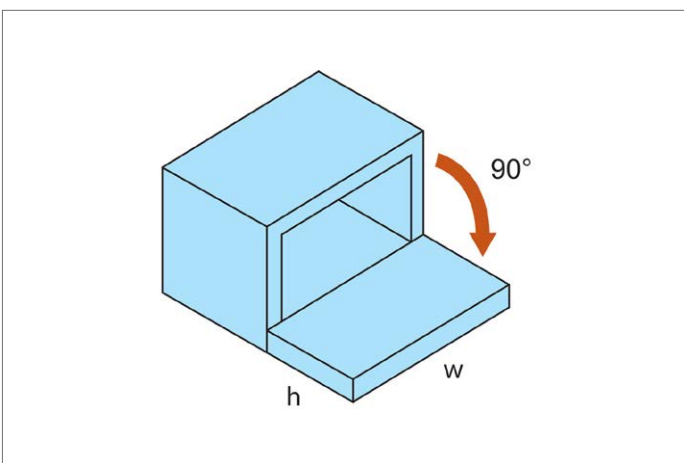
a) Max 35cm wide AND

b) within acceptable lid width. height combination - see chart.

If using only one stay-

Acceptable load bearing (T) between min. 20 to max 70 Kg/cm.

Order No.	Type	Acceptable load bearing single kg/cm min. max.	Acceptable load bearing pair kg/cm min. max.	Weight g
N0100.AC0010	Right	16 - 70	32 - 140	210
N0100.AC0110	Left	16 - 70	32 - 140	210

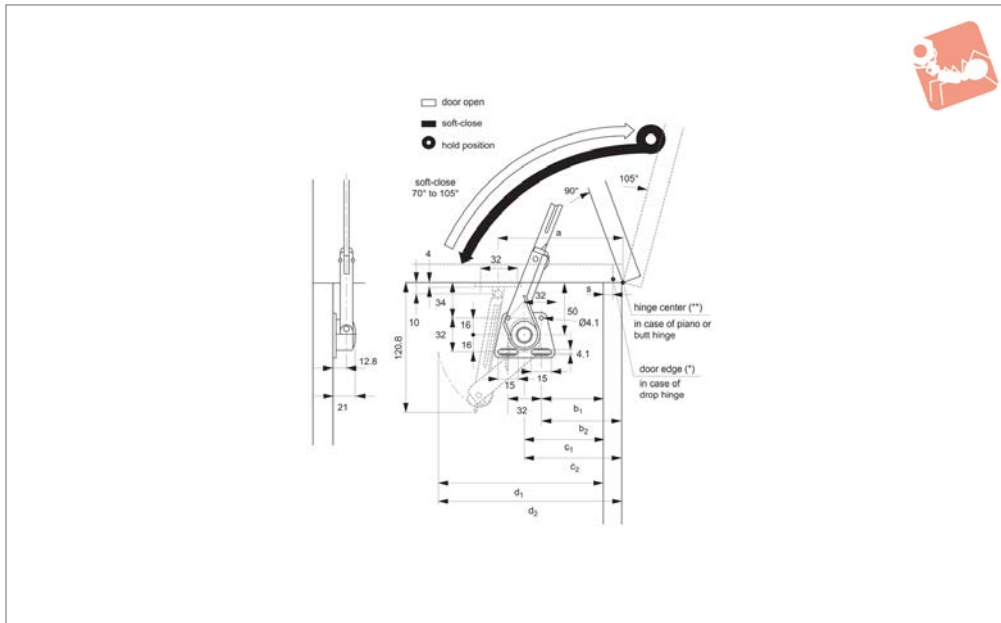




Soft-Closing Stays - for Top Opening

70° - 105° opening angle

Soft & Spring Stays



N0200

SOFT & SPRING STAYS

Material

Zinc alloy, steel,
bright nickel finish.
Supplied with screws (3,5x15)

Technical Notes

For use with lids which are top opening,
with piano, butt or drop hinges.

Designed to control speed at which a
suitable lid closes and hence prevent lid
slamming shut. Opening angle of 70° -
105°. Temperature range - 0° to +40°C.
Speed of closure adjustable via screw
located at end of stay.

**Stay has a sprung elbow section which
must be released prior to closing lid -
please take care not to catch fingers**

when handling.

Important Notes

For use with relatively light weight cabinet
or furniture lids. Improper application, or
use on a lid not within recommended size
and load bearing value, may lead to stay
being overcome and slamming of lid.

1) Checking Application Suitability:

1) Check Lid Size:

One Stay used:

- a) Max 35cm wide
AND
- b) within acceptable lid width.
Height combination - see chart.

Two Stays used:

a) Max 120cm wide

AND

- b) within acceptable lid width/height
combination - see chart.
- 2) Secondly, check load bearing value.

2) Check Load Bearing Value (T):

T (Load Bearing Value of stay Kg/cm) = $1/2$
Door Height cm x Door Weight Kg

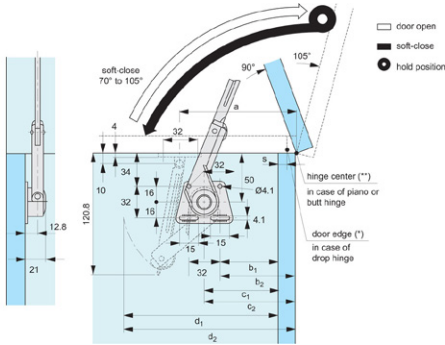
If using only one stay-

Acceptable load bearing (T) between min.
20 to max 70 Kg/cm.

If using two stays-

Acceptable load bearing (T) between min.
40 to max 140 Kg/cm.

Order No.	Type	Acceptable load bearing single kg/cm min. max.	Acceptable load bearing pair kg/cm min. max.	Weight g
N0200.AC0010	Left	20 - 70	40 - 140	210
N0200.AC0110	Right	20 - 70	40 - 140	210



Piano/Butt Hinge	Opening Hinge	A	B ₁	C ₁	D ₁
Left/Right	70	125	84	100	184
Left/Right	105	97	56	72	156

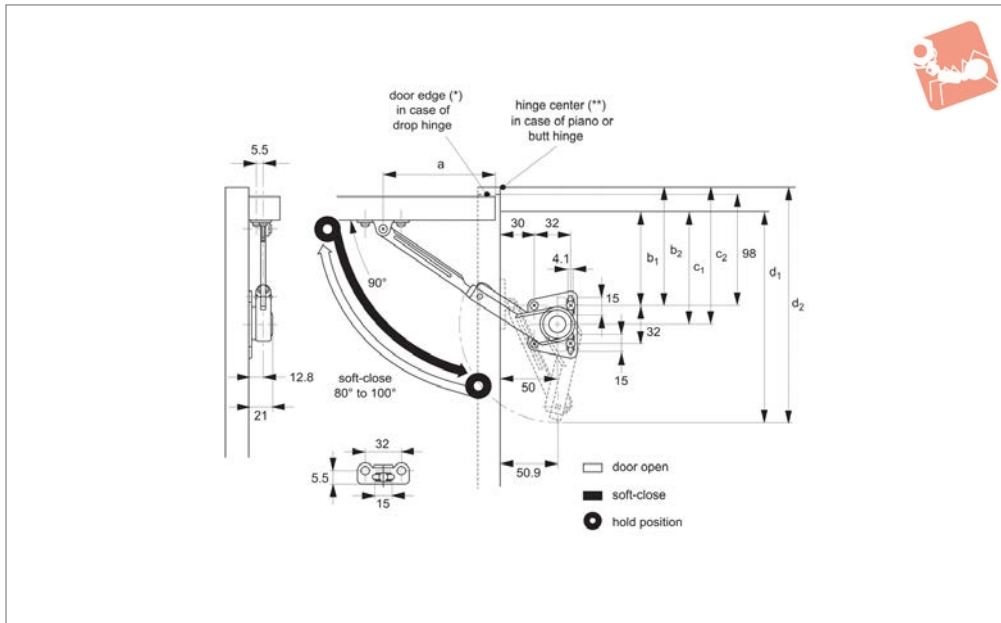
Concealed Hinge	Opening Hinge	A	B ₂	C ₂	D ₂
Left/Right	70	126	85-S	101-S	185-S
Left/Right	105	103	62-S	78-S	162-S



Soft-Closing Stays - for Upward

80° - 100° opening angle

Soft & Spring Stays



N0350

SOFT & SPRING STAYS

Material

Zinc alloy, steel,
bright nickel finish.
Supplied with screws (3,5x15)

Technical Notes

For use with lids which are upward opening, with piano, butt or drop hinges. Designed to control speed at which a suitable lid closes and hence prevent lid slamming shut. Opening angle of 80° - 100°. Temperature range - 0° to +40°C. Speed of closure adjustable via screw located at end of stay.

Stay has a sprung elbow section which must be released prior to closing lid -

please take care not to catch fingers when handling.

Important Notes

For use with relatively light weight cabinet or furniture lids. Improper application, or use on a lid not within recommended size and load bearing value, may lead to stay being overcome and slamming of lid.

1) Check Lid Size:

If using only one stay- max. lid width 35cm AND must be within load bearing capacity (T) of the stay, check calculation below.

If using two stays-max. lid width 120cm

AND must be within load bearing capacity (T) of the stay, check calculation below.

2) Check Load Bearing Value (T):

T (Load Bearing Value of stay Kg/cm) = $1/2$ Door Height cm x Door Weight Kg

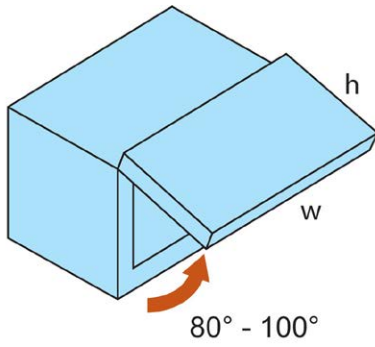
If using only one stay-

Acceptable load bearing (T) between min. 20 to max 70 Kg/cm.

If using two stays-

Acceptable load bearing (T) between min. 40 to max 140 Kg/cm.

Order No.	Type	Acceptable load bearing single kg/cm min. max.	Acceptable load bearing pair kg/cm min. max.	Weight g
N0350.AC0010	Left	20 - 70	40 - 140	210
N0350.AC0110	Right	20 - 70	40 - 140	210





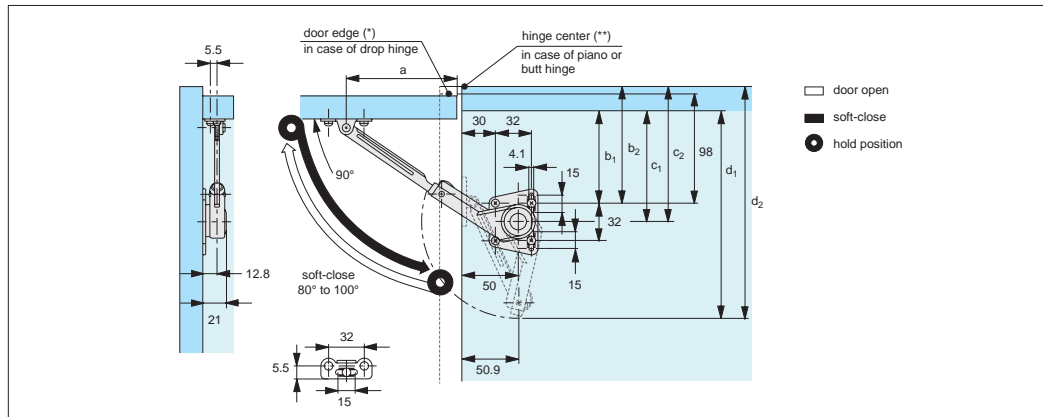
Installation Instructions for Soft Closing Stay

N0350
Stays

For use with lids which are upward opening, with piano or butt hinges. Longer arm for higher load bearing capacity applications. Designed to control speed at which a suitable lid closes and hence prevent lid slamming shut. Opening angle of 80° to 100°. Temperature range of 0° to 40°C.

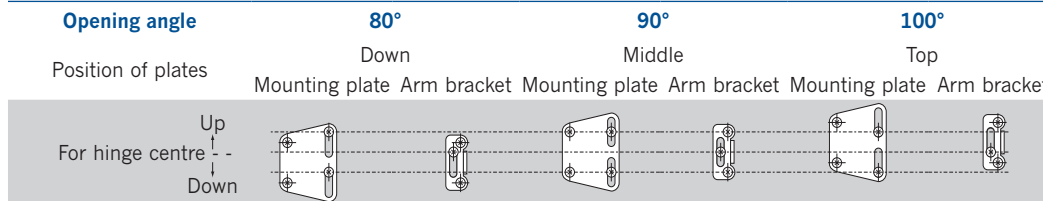
Stay has integrated catch to hold lid in open and closed position. Stay has a sprung elbow section which must be released prior to closing lid - please take care not to catch fingers when handling.

Installation



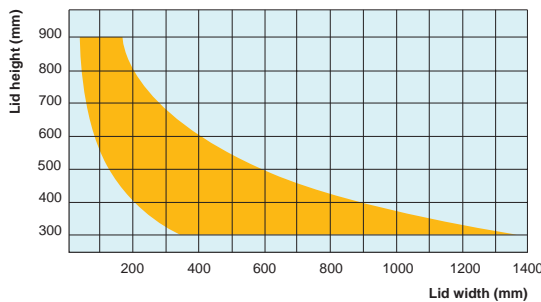
Soft opening stay installation

Hinge type	a	b ₁	c ₁	d ₁	b ₂	c ₂	d ₂
Drop hinge	99	98 - S*	114 - S*	200 - S*	-	-	-
Piano/butt hinge	93	-	-	-	92	108	194



The distance for a, b, c (as shown in the installation diagram above) is measured from the "door edge (*)" and "top surface of bottom board" when drop hinges are used, and from "hinge centre (**)" and "to the surface of the bottom board" when piano or butt hinges are used.
*S = overlay coverage in case of drop hinge usage.

Acceptable Lid Width and Height for Soft Down Stay N0350



Orange area of chart provides guide to acceptable lid width and height combination. This is a guide only, check load bearing of the lid application. Chart Based on typical wooden lid of 20mm thickness.

Acceptable lid width and height

Firstly check lid size is within acceptable lid width/height combination - see above chart. Secondly check load bearing and value.

Check load bearing value (T)

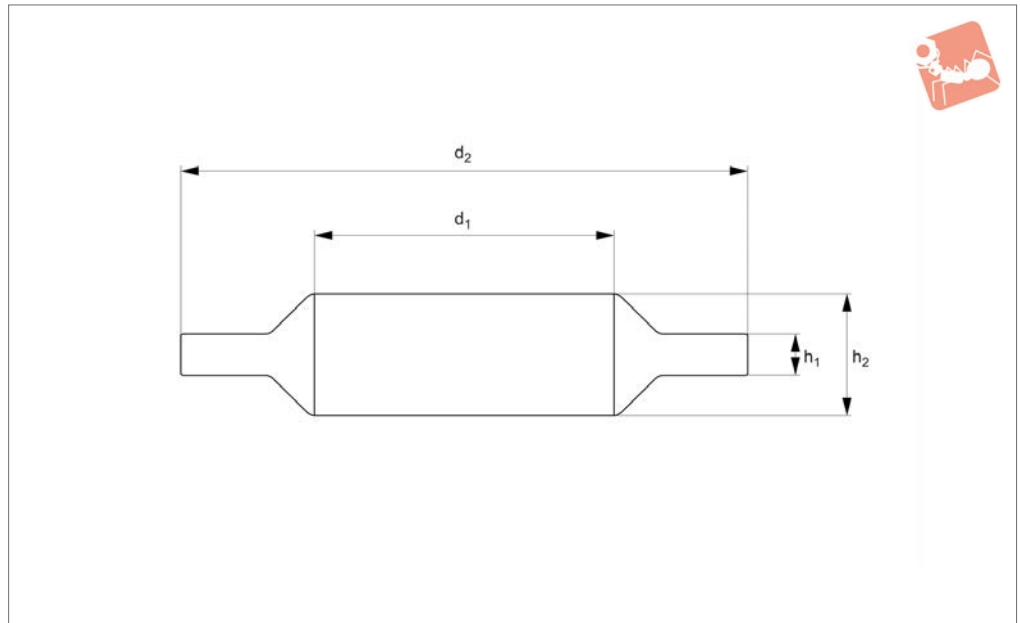
$$T \text{ (load bearing value of stay Kg/cm)} = 1/2 \text{ door height cm} \times \text{door weight Kg}$$

Load bearing calculation

Important notes: For use with relatively light weight cabinet or furniture lids. Improper application, or use on a lid not within recommended size and bearing value, may lead to stay being overcome and slamming of lid. Application must be within both the minimum and maximum load bearing value of the stay, (see product table for load bearing capacity when using stays as single or in pairs), as well as within the door weight capacity of the stay - see 'Soft Down Stays - Door Weight Range Tables' on previous pages.



N0420



Material

Arm: zinc alloy, steel, bright nickel finish.
Body: plastic.

Technical Notes

For use with lids which are downward opening, with piano, butt or drop hinges. Designed to hold door in both closed and open position. Designed to control speed

at which a suitable lid opens, for smooth controlled motion. For use in pairs. Opening angle of 90°. Temperature range 0° to 40°C.

Important Notes

Improper application, or use on a lid not within recommended size and load bearing value, may lead to stay being overcome

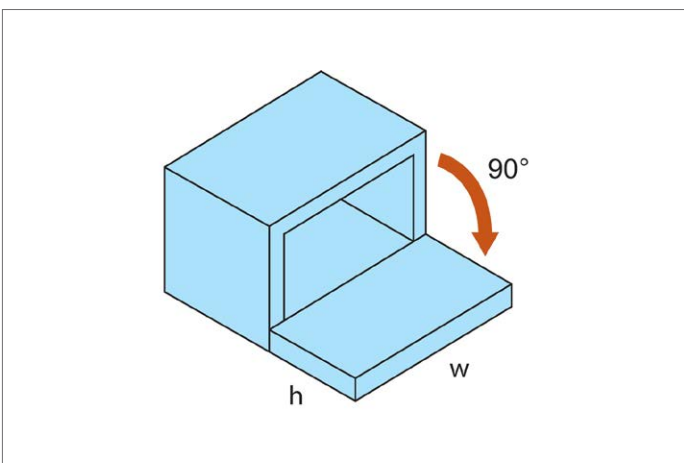
and slamming of lid.

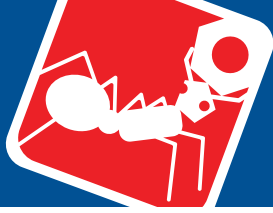
Application must be within both the min. and max. load bearing value, stays are for use in pairs see above table.

Check Load Bearing Value (T):

$$T \text{ (Load Bearing Value of stay Kg/cm)} = \frac{1}{2} \text{ Door Height cm} \times \text{Door Weight Kg}$$

Order No.	Type	Acceptable load bearing pair kg/cm min. max.	Hand	Weight g
N0420.AC0020	Light Duty	140 to 200	Left	290
N0420.AC0025	Medium Duty	200 to 250	Left	290
N0420.AC0030	Heavy Duty	250 to 300	Left	310
N0420.AC0120	Light Duty	140 to 200	Right	290
N0420.AC0125	Medium Duty	200 to 250	Right	290
N0420.AC0130	Heavy Duty	250 to 300	right	310





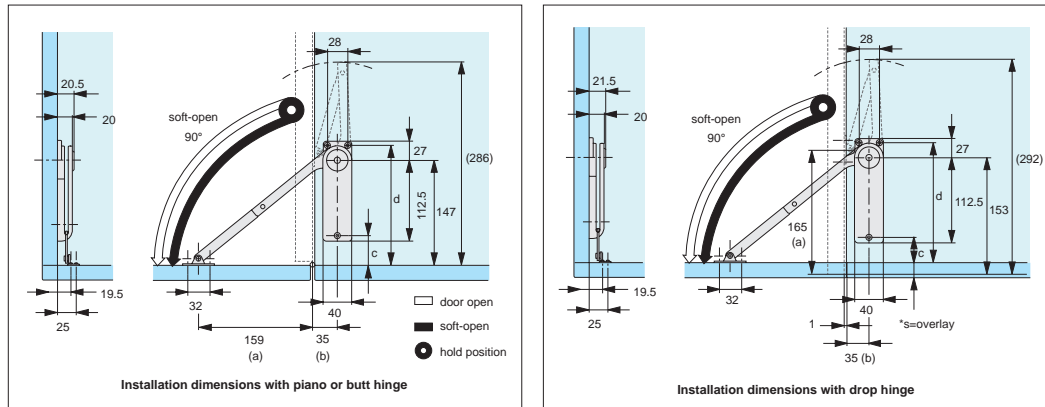
Installation Instructions

for heavy duty soft opening stay

N0420
Stays

For use with lids which are downward opening, with piano, butt or drop hinges. Designed to control speed at which a suitable lid opens, for smooth controlled motion. For use in pairs. Opening angle of 90°. Temperature range 0° to 40°C. Stay has an integrated catch to hold lid in open position and a sprung elbow section which must be released prior to closing the lid - please take care not to catch fingers when handling.

Installation



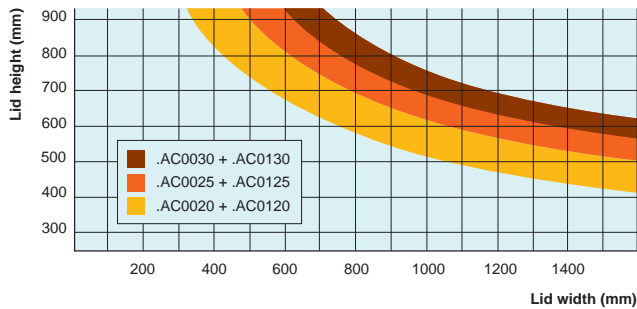
Heavy duty soft opening stay installation

Hinge type	a	b	c	d
Drop hinge	165	35	48 - S*	174 - S*
Piano/butt hinge	159	35	42	168

The distance for a, b, c (as shown in the installation diagram above) is measured from the "door edge (*)" and "top surface of bottom board" when drop hinges are used, and from "hinge centre (**)" and "to the surface of the bottom board" when piano or butt hinges are used.

*S = overlay coverage in case of drop hinge usage.

Acceptable Lid Width and Height for Soft Down Stay N0420



Areas of chart provides guides to acceptable lid width and height combination. This is a guide only, check load bearing of the lid application. Chart based on typical wooden lid of 20mm thickness.

Acceptable lid width and height

Firstly check lid size is within acceptable lid width/height combination - see above chart. Secondly check load bearing and value.

Check load bearing value (T)

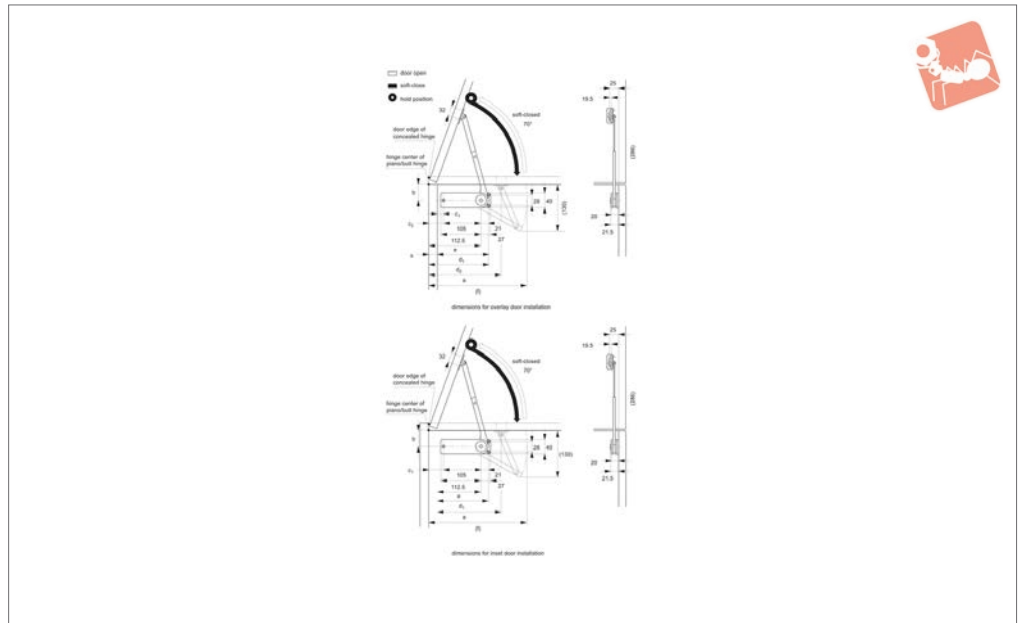
$$T (\text{load bearing value of stay Kg/cm}) = 1/2 \text{ door height cm} \times \text{door weight Kg}$$

Important notes: For use with relatively light weight cabinet or furniture lids. Improper application, or use on a lid not within recommended size and bearing value, may lead to stay being overcome and slamming of lid. Application must be within both the minimum and maximum load bearing value of the stay, (see product table for load bearing capacity when using stays as single or in pairs), as well as within the door weight capacity of the stay - see 'Soft Down Stays - Door Weight Range Tables' on previous pages.

Load bearing calculation



N0440



Material

Arm: zinc alloy, steel, bright nickel finish.
Body: plastic.

Technical Notes

For use with lids which are top opening, with piano, butt or concealed hinges. Designed to hold door in open position. Designed to control speed at which a

suitable lid closes, to prevent lid slamming shut. For use in pairs.
Opening angle of 70°. Temperature range 0° to 40°C.

Important Notes

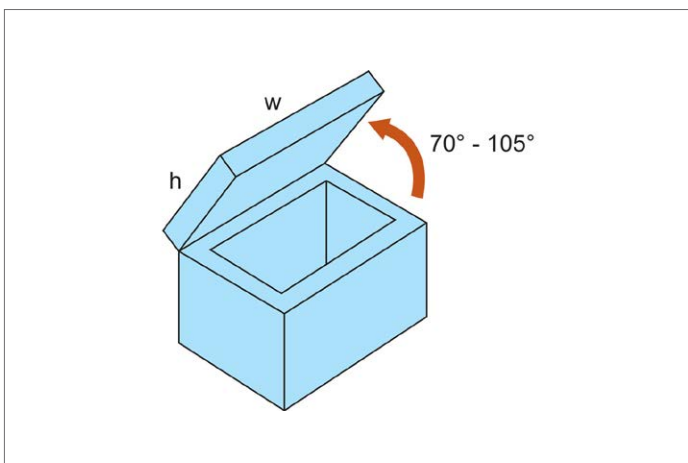
Improper application, or use on a lid not within recommended size and load bearing value, may lead to stay being overcome

and slamming of lid. Application must be within both the min. and max. load bearing value, stays are for use in pairs see above table.

Check Load Bearing Value (T):

$$t \text{ (Load Bearing Value of stay Kg/cm)} = \frac{1}{2} \text{ Door Height cm} \times \text{Door Weight Kg.}$$

Order No.	Type	Acceptable load bearing pair kg/cm min. max.	Hand	Weight g
N0440.AC0020	Light Duty	140 to 200	Left	280
N0440.AC0025	Medium Duty	200 to 250	Left	290
N0440.AC0030	Heavy Duty	250 to 300	Left	310
N0440.AC0120	Light Duty	140 to 200	Right	280
N0440.AC0125	Medium Duty	200 to 250	Right	290
N0440.AC0130	Heavy Duty	250 to 300	Right	310





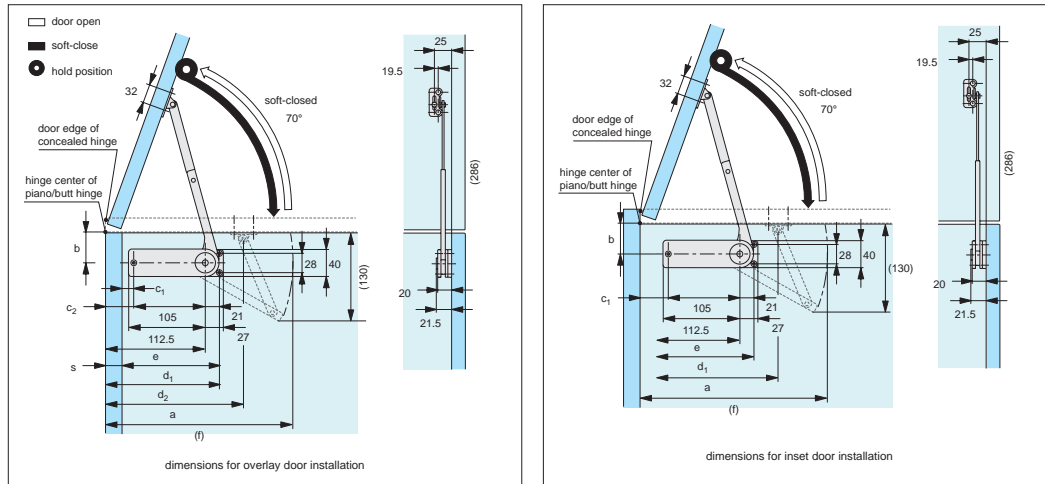
Installation Instructions

for heavy duty soft closing stay

N0440
Stays

For use with lids which are top opening, with piano, butt or drop hinges. Designed to control speed at which a suitable lid closes and hence prevent lid slamming shut. Opening angle of 70°. Temperature range of 0° to 40°C. Stay has integrated catch to hold lid in open position and a sprung elbow section which must be released prior to closing the lid - please take care not to catch fingers when handling.

Installation



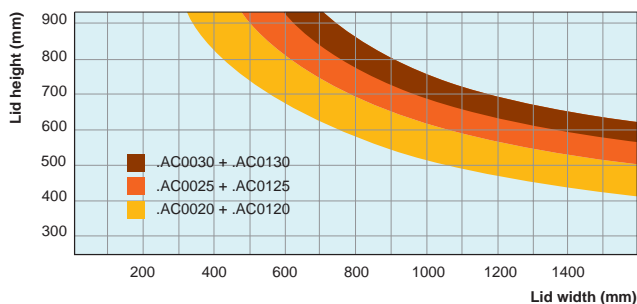
Heavy duty soft closing stay installation

Hinge type	a	b	c	d	c ₁	d ₁	e	f
Drop hinge	198,5	45	42-S*	168-S*	-	-	145	283,5
Piano/butt hinge	198,5	45	-	-	41	167	142,5	281,0

Hinge type	a	b	c	d	e	f
Drop hinge	203	45	46	172	151	286
Piano/butt hinge	190	45	33	159	138	273

The distance for a, b, c (as shown in the installation diagram above) is measured from the "door edge (*)" and "top surface of bottom board" when drop hinges are used, and from "hinge centre (**)" and "to the surface of the bottom board" when piano or butt hinges are used.

Acceptable Lid Width and Height for Soft Down Stay N0440



Areas of chart provides guides to acceptable lid width and height combination. This is a guide only, check load bearing of the lid application. Chart based on typical wooden lid of 20mm thickness.

Acceptable lid width and height and installation table

Firstly check lid size is within acceptable lid width/height combination - see above chart. Secondly check load bearing and value.

Check load bearing value (T)

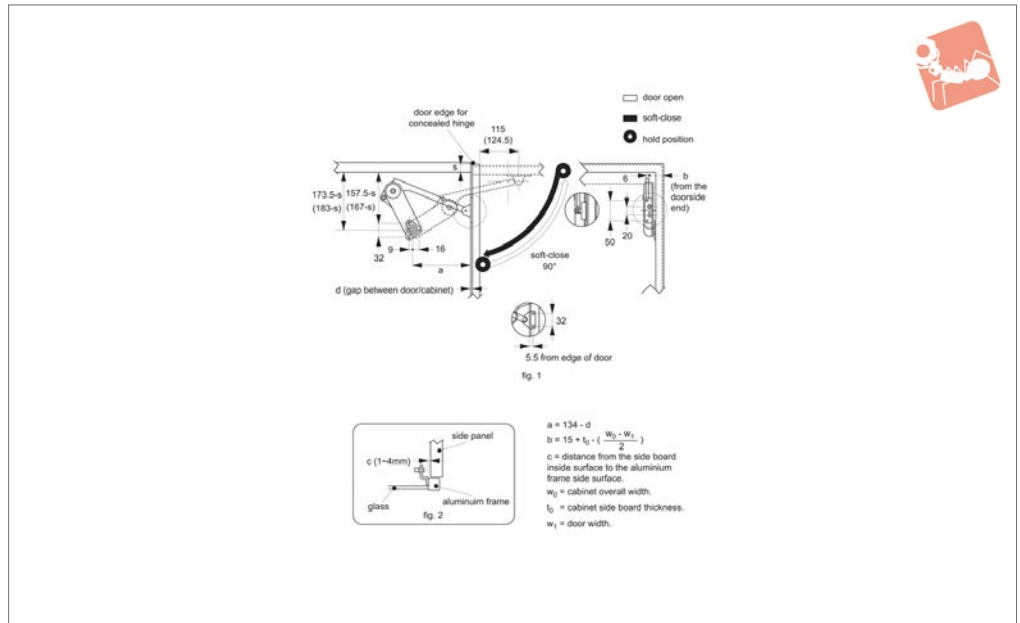
$$T (\text{load bearing value of stay Kg/cm}) = 1/2 \text{ door height cm} \times \text{door weight Kg}$$

Load bearing calculation

Important notes: For use with relatively light weight cabinet or furniture lids. Improper application, or use on a lid not within recommended size and bearing value, may lead to stay being overcome and slamming of lid. Application must be within both the minimum and maximum load bearing value of the stay, (see product table for load bearing capacity when using stays as single or in pairs), as well as within the door weight capacity of the stay - see 'Soft Down Stays - Door Weight Range Tables' on previous pages.



N0460



Material

Arm: zinc alloy, steel, bright nickel finish.
Body: plastic.

suitable lid closes, to prevent lid slamming shut. For use in pairs.
Opening angle up to 90°. Temperature range 0° to 40°C.

within both the min. and max. load bearing value, stays are for use in pairs see above table.
Order mounting plate separately.

Technical Notes

For use with lids which are upward opening, with concealed hinges. Designed to hold door in both closed and open position.
Designed to control speed at which a

Important Notes

Improper application, or use on a lid not within recommended size and load bearing value, may lead to stay being overcome and slamming of lid. Application must be

Check Load Bearing Value (T):

$$T (\text{Load Bearing Value of stay Kg/cm}) = \frac{1}{2} \text{ Door Height cm} \times \text{Door Weight Kg}$$

Order No.	Type	Hand
N0460.AC0017	Light Duty	Left
N0460.AC0021	Medium Duty	Left
N0460.AC0025	Heavy Duty	Left
N0460.AC0030	Super Duty	Left
N0460.AC0117	Light Duty	Right
N0460.AC0121	Medium Duty	Right
N0460.AC0125	Heavy Duty	Right
N0460.AC0130	Super Duty	Right
N0460.AC0920	Mounting Plate - 20 mm wide alu. frame	Both
N0460.AC0945	Mounting Plate - 45 mm wide wood or alu. frame	Both

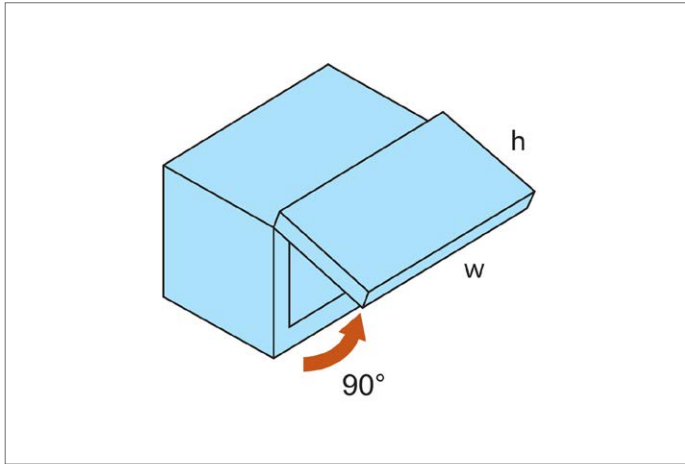
Order No.	Acceptable load bearing pair 90° opening angle		Acceptable load bearing pair 80° opening angle	
	kg/cm		kg/cm	
	min.	max.	min.	max.
N0460.AC0017	140	179	140	199
N0460.AC0021	180	219	200	249
N0460.AC0025	220	259	250	299
N0460.AC0030	260	300	300	350
N0460.AC0117	140	179	140	199
N0460.AC0121	180	219	200	249
N0460.AC0125	220	259	250	299
N0460.AC0130	260	300	300	350
N0460.AC0920	-	-	-	-
N0460.AC0945	-	-	-	-



Heavy Duty Soft-Close Stays

For upward opening lid, 90° opening angle

Soft & Spring
Stays



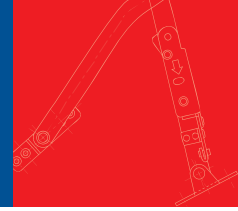
SOFT & SPRING STAYS












Wixroyd Soft Down

product selection charts

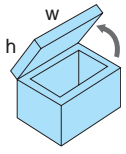
Stays



	Mounting			Lid Orientation			Soft Action		Material			Heavy Duty	Acceptable load bearing Single* (min-max) Kg.cm	Acceptable load bearing Pair* (min-max) Kg.cm	Max Angle
	Right	Left	Universal	Upward	Top (box lid)	Downward	Soft Opening	Soft Closing	Steel	Stainless Steel					
N0060 			✓			✓	✓		✓				0,5-12	10-12	90°
N0070 			✓			✓	✓		✓				35-50	70-100	90°
N0080 			✓	✓				✓	✓	✓			40-70	80-140	80°-100°
N0100 	✓	✓				✓	✓		✓				16-70	32-140	90°
N0200 	✓	✓			✓			✓	✓				20-70	40-140	70°-105°
N0350 	✓	✓		✓				✓	✓				20-70	40-140	80°-100°
N0420 	✓	✓				✓	✓		✓		✓		N/A	140-300	90°
N0440 	✓	✓			✓			✓	✓		✓		N/A	140-300	70°
N0460 	✓	✓		✓				✓	✓		✓		N/A	140-350	90°

SOFT & SPRING STAYS

* Please note acceptable lid width and height of each stay prior to selection. Please refer to individual product details.
 T Load Bearing Value of Stay (Kg.cm) = 1/2 Door Height (cm) x Door weight (Kg)



Wixroyd soft down stays provide smooth opening and closing systems, via their integrated dampening device. Doors and lids can be closed slowly and softly, eliminating the slamming of doors or damage to fingers.

The table below gives approximate acceptable door weight range for our soft down stays (acceptable Kg/pair min. and max. range per stay).

The application must be within both the min. and max. door weight range, as well as within the stated door heights, as shown in the table.

		Door height (cm)																				
		15.2	17.8	20.3	22.9	25.4	27.9	30.5	33	35.6	38.1	40.6	43.2	45.7	48.3	50.8	53.3	55.9	58.4	61	63.5	66
N0060	Kg/pair min.	1.3	1.1	1.0	0.9	0.8	0.7	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Kg/Pair max.	3.1	2.7	2.4	2.1	1.9	1.7	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N0070	Kg/pair min.	-	-	6.8	6.0	5.4	4.9	4.5	4.2	3.9	3.6	3.4	3.2	3.0	2.9	2.7	2.6	2.5	2.4	2.3	2.2	2.1
	Kg/pair max.	-	-	9.8	8.7	7.8	7.1	6.5	6.0	5.6	5.2	4.9	4.6	4.4	4.1	3.9	3.7	3.5	3.4	3.3	3.1	3.0
N0080	Kg/pair min.	-	-	7.9	7.1	6.4	5.8	5.3	4.9	4.5	4.2	4.0	3.7	3.5	3.4	3.2	3.0	2.9	2.8	2.6	2.5	2.4
	Kg/pair max.	-	-	13.6	12.1	10.9	9.9	9.1	8.4	7.8	7.3	6.8	6.4	6.0	5.7	5.4	5.2	4.9	4.7	4.5	4.4	4.2
N0100/N0200/ N0350	Kg/pair min.	-	-	3.3	3.8	3.4	3.1	2.9	2.6	2.4	2.3	2.2	2.0	1.9	1.8	1.7	1.6	1.6	1.5	1.5	1.4	1.3
	Kg/pair max.	-	-	13.6	12.1	10.9	9.9	9.1	8.4	7.8	7.3	6.8	6.4	6.0	5.7	5.4	5.2	4.9	4.7	4.5	4.4	4.2
N0420.AC0020/ N0420.AC0120	Kg/pair min.	-	-	13.7	12.2	11.0	10.0	9.2	8.4	7.8	7.3	6.8	6.4	6.1	5.8	5.5	5.2	5.0	4.8	4.6	4.4	4.2
	Kg/pair max.	-	-	19.6	17.4	15.7	14.3	13.1	12.1	11.2	10.5	9.8	9.3	8.7	8.3	7.8	7.5	7.1	6.8	6.5	6.3	6.0
N0420.AC0025/ N0420.AC0125	Kg/pair min.	-	-	19.6	17.4	15.7	14.3	13.1	12.1	11.2	10.5	9.8	9.3	8.7	8.3	7.8	7.5	7.1	6.8	6.5	6.3	6.0
	Kg/pair max.	-	-	24.5	21.8	19.6	17.8	16.3	15.1	14.0	13.1	12.2	11.5	10.9	10.3	9.8	9.3	8.9	8.5	8.2	7.8	7.5
N0420.AC0030/ N0420.AC0130	Kg/pair min.	-	-	24.5	21.8	19.6	17.8	16.3	15.1	14.0	13.1	12.2	11.5	10.9	10.3	9.8	9.3	8.9	8.5	8.2	7.8	7.5
	Kg/pair max.	-	-	29.5	26.2	23.6	21.5	19.6	18.1	16.8	15.7	14.7	13.9	13.1	12.4	11.8	11.2	10.7	10.3	9.8	9.4	9.1
N0460.AC0017/ N0460.AC0117 at 90° angle	Kg/pair min.	-	-	13.8	12.3	11.1	10.1	9.2	8.5	7.9	7.4	6.9	6.5	6.2	5.8	5.5	5.3	5.0	4.8	4.6	4.4	4.3
	Kg/pair max.	-	-	17.6	15.6	14.1	12.8	11.7	10.8	10.0	9.4	8.8	8.3	7.8	7.4	7.0	6.7	6.4	6.1	5.9	5.6	5.4
N0460.AC0017/ N0460.AC0117 at 80° angle	Kg/pair min.	-	-	13.8	12.3	11.1	10.1	9.2	8.5	7.9	7.4	6.9	6.5	6.2	5.8	5.5	5.3	5.0	4.8	4.6	4.4	4.3
	Kg/pair max.	-	-	19.6	17.4	15.7	14.3	13.1	12.1	11.2	10.5	9.8	9.3	8.7	8.3	7.8	7.5	7.1	6.8	6.5	6.3	6.0
N0460.AC0021/ N0460.AC0121 at 90° angle	Kg/pair min.	-	-	17.7	15.7	14.2	12.9	11.8	10.9	10.1	9.4	8.8	8.3	7.8	7.4	7.1	6.8	6.4	6.2	5.9	5.7	5.4
	Kg/pair max.	-	-	21.5	19.1	17.2	15.6	14.4	13.2	12.3	11.5	10.8	10.2	9.6	9.1	8.6	8.2	7.8	7.5	7.2	6.9	6.6
N0460.AC0021/ N0460.AC0121 at 80° angle	Kg/pair min.	-	-	19.1	17.6	15.8	14.3	13.2	12.2	11.3	10.5	9.9	9.3	8.8	8.3	7.9	7.5	7.2	6.8	6.6	6.3	6.1
	Kg/pair max.	-	-	24.5	21.8	19.6	17.8	16.3	15.1	14.0	13.1	12.2	11.5	10.9	10.3	9.8	9.3	8.9	8.5	8.2	7.8	7.5
N0460.AC0025/ N0460.AC0125 at 90° angle	Kg/pair min.	-	-	21.7	19.2	17.3	15.7	14.4	13.3	12.4	11.6	10.8	10.2	9.6	9.1	8.7	8.3	7.9	7.5	7.2	6.9	6.7
	Kg/pair max.	-	-	25.5	22.7	20.4	18.6	17.0	15.7	14.6	13.6	12.7	12.0	11.3	10.8	10.2	9.7	9.3	8.9	8.5	8.2	7.8
N0460.AC0025/ N0460.AC0125 at 80° angle	Kg/pair min.	-	-	24.6	21.9	19.7	17.9	16.4	15.1	14.1	13.1	12.3	11.6	10.9	10.3	9.8	9.4	8.9	8.6	8.2	7.9	7.6
	Kg/pair max.	-	-	29.5	26.2	23.6	21.5	19.6	18.1	16.8	15.7	14.7	13.9	13.1	12.4	11.8	11.2	10.7	10.3	9.8	9.4	9.1
N0460.AC0030/ N0460.AC0130 at 90° angle	Kg/pair min.	-	-	25.6	22.8	20.5	18.6	17.1	15.8	14.7	13.7	12.8	12.1	11.4	10.8	10.3	9.8	9.3	8.9	8.5	8.2	7.9
	Kg/pair max.	-	-	29.5	26.2	23.6	21.5	19.6	18.1	16.8	15.7	14.7	13.9	13.1	12.4	11.8	11.2	10.7	10.3	9.8	9.4	9.1
N0460.AC0030/ N0460.AC0130 at 80° angle	Kg/pair min.	-	-	29.6	26.3	23.7	21.5	19.7	18.2	16.9	15.8	14.8	13.9	13.2	12.5	11.8	11.3	10.8	10.3	9.9	9.5	9.1
	Kg/pair max.	-	-	34.4	30.5	27.5	25.0	22.9	21.1	19.6	18.3	17.2	16.1	15.3	14.5	13.7	13.1	12.5	11.9	11.5	11.0	10.6

Note: Door weight ranges calculated based on centre of gravity point at the middle of door/lid. For complete accuracy follow the torque calculation information on the specific product pages.