

TECHNICAL SHEET

CARINA HINGE

STAC

The "CARINA HINGE" has been tested according to following:

UNE-EN 1935. Single-axis hinges. Requirements and test methods.

UNE-EN 1670. Corrosion resistance. Requirements and test methods

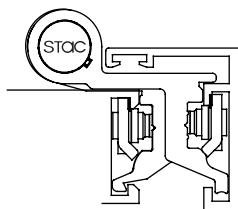
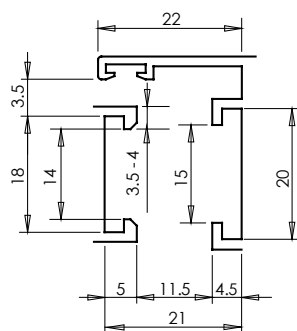
These hinges have been tested under the following weight configurations: 60Kg with 2 hinges and 75Kg with 3 hinges or more.

Tests and results (Grade 9):

- Durability: 25.000 cycles.
- Weight: 60 kg.
- Corrosion resistance: 240 hours in salt spray test (Grade 4)

MATERIALS:

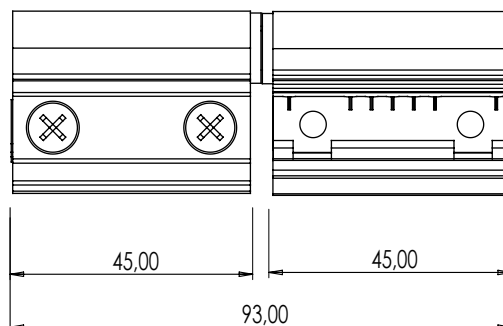
- Extruded aluminium body.
- Stainless steel bolst and screws.
- Polyamide bushes.
- Stainless steel or zamak plates(depending on model)



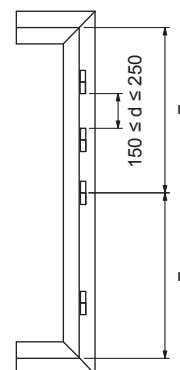
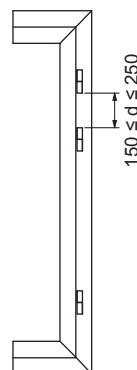
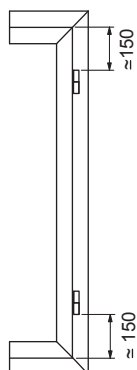
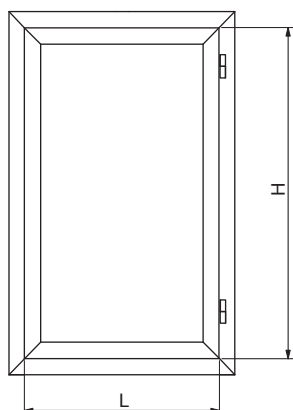
REF. **A012D*/A012I***
019D*/019I*



* Finishes: 01 white, 02 black, PVD and special colours.
See all available finishes in STAC General Catalogue.



ASSEMBLY RECOMMENDATIONS



WEIGHT AND DIMENSION LIMITS



The Carina hinges (casement opening) must be fitted in compliance with the following limits table:

With 2 hinges: 60kg Maximum weight *

sash height H	2600												53	47
	2500											56	49	45
	2400											52	47	43
	2300										55	49	44	41
	2200										51	46	42	39
	2100									55	48	43	40	38
	2000									51	45	41	38	36
	1900			60 Kg *					55	47	42	39	37	35
	1800			60 Kg *					50	44	40	37	35	33
	1700							54	46	41	38	35	34	32
	1600							49	43	39	36	34	32	31
	1500						53	45	40	37	34	33	31	30
	1400						48	42	38	35	33	31	30	29
	1300					53	44	39	35	33	31	30	29	28
	1200					47	40	36	33	31	30	29	28	27
	1100				51	42	37	34	32	30	29	28	27	26
	1000				45	38	34	32	30	29	28	27	26	26
	900			50	40	35	32	30	29	28	27	26	25	25
	800			43	36	32	30	28	27	26	26	25	25	24
	700		48	38	33	30	28	27	26	25	25	24	24	24
	600		40	33	30	28	27	26	25	24	24	24		
	500	45	34	30	28	26	25	25	24					
	400	36	30	27	26	25								
	L	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500

60 Kg *

	Maximum weight configuration
XX	Limited weight configuration
	3 or more hinges are recommended
	Unviable configurations

sash length L

* Hinges must be fitted as shown in assembly recommendations

From 1800mm sash height a third hinge IS ALWAYS RECOMMENDED/MANDATORY in order to prevent the sash moving downwards, and it will be fitted 150-250 mm from the upper hinge.

In Aluminium systems, another central hinge can be added from height>1200mm due to permeability requirements. Third hinge is also recommended in those configurations with L>1200mm to ensure window functionality.

IN CASE OF HEAVY WEIGHT AND LARGE DIMENSIONS, PLEASE CONTACT TO STAC TECHNICAL DEPARTMENT. LOCATION OF WINDOW OR CREMONE HEIGHT CAN ALSO VARY THE RECOMMENDED SETTINGS.

WEIGHT AND DIMENSION LIMITS



With 3 hinges: 75kg Maximum weight *

sash height H	2600												66	59
	2500											70	62	56
	2400											65	58	54
	2300										69	61	55	51
	2200										64	57	53	49
	2100									69	60	54	50	47
	2000									63	56	51	48	45
	1900								68	59	53	49	46	43
	1800								63	55	50	46	44	42
	1700							68	58	52	47	44	42	40
	1600							61	54	49	45	42	40	39
	1500						67	56	50	46	43	41	39	38
	1400						60	52	47	43	41	39	38	36
	1300					66	55	48	44	41	39	38	36	35
	1200					58	50	45	42	39	38	36	35	34
	1100				64	53	46	42	39	38	36	35	34	33
	1000				56	48	43	40	38	36	35	34	33	32
	900			63	50	44	40	38	36	34	33	33	32	
	800			54	45	40	38	36	34	33	32			
	700		60	47	41	38	35	34	33					
	600		50	42	38	35	33							
	500	56	43	38	35									
	400	45	38											
	L	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500

75 Kg *

	Maximum weight configuration
XX	Limited weight configuration
	Recommended 4 hinges
	Not allowed configurations

sash length L

* Hinges must be fitted as shown in assembly recommendations.

From H>2000mm to use a fourth hinge IS RECOMMENDED due to permeability requirements.

IN CASE OF HEAVY WEIGHT AND LARGE DIMENSIONS, PLEASE CONTACT TO STAC TECHNICAL DEPARTMENT. LOCATION OF WINDOW OR CREMONE HEIGHT CAN ALSO VARY THE RECOMMENDED SETTINGS.