

NAFS Casement Window Hardware Load Test (North American Fenestration Standard)

MAXIMUM FRAME SIZE & SASH WEIGHT

ITEM #		10 INCHES	13 INCHES
STD. WASHABILITY HINGES	DYAD ARM	MAX FRAME (Width x Height)	MAX WEIGHT (With Glass)
	OPS-30601	24" x 60" (609mm x 1524mm)	45lb. (20kg)
	OPS-30602	24" x 60" (609mm x 1524mm)	45lb. (20kg)
	OPS-30608	24" x 72" (609mm x 1828mm)	53lb. (24kg)
	DUAL ARM		
	OPS-30603	32" x 72" (812mm x 1828mm)	83lb. (38kg)
	OPS-30604	32" x 72" (812mm x 1828mm)	83lb. (38kg)
	OPS-30605	24" x 84" (609mm x 2133mm)	70lb. (32kg)
	OPS-30615	24" x 84" (609mm x 2133mm)	70lb. (32kg)
	STRAIGHT ARM		
EGRESS HINGES	OPS-30622	24" x 62" (609mm x 1575mm)	19lb. (9kg)
	OPS-30623	26" x 69" (660mm x 1753mm)	41lb. (18kg)
	OPS-30682	24" x 62" (609mm x 1575mm)	19lb. (9kg)
	OPS-30683	26" x 69" (660mm x 1753mm)	41lb. (18kg)
	DUAL ARM		
	OPS-30603	32" x 68" (812mm x 1724mm)	69lb. (31kg)
	OPS-30604	32" x 68" (812mm x 1724mm)	69lb. (31kg)
	OPS-30605	28" x 78" (711mm x 1981mm)	69lb. (31kg)
	STRAIGHT ARM		
	OPS-30621	22" x 63" (559mm x 1600mm)	42lb. (19kg)
	OPS-30622	24" x 65" (609mm x 1651mm)	48lb. (22kg)
	OPS-30623	32" x 72" (812mm x 1828mm)	73lb. (33kg)
	OPS-30681	22" x 63" (559mm x 1600mm)	42lb. (19kg)
	OPS-30682	24" x 65" (609mm x 1651mm)	48lb. (22kg)
	OPS-30683	32" x 72" (812mm x 1828mm)	73lb. (33kg)



**AAMA 904.14 | MAXIMUM HINGES
LOAD TESTED**
Maximum load capacity of 130lb.**

**Maximum load permitted for the AAMA hardware load test. Refer to the current chart for the maximum weight recommended by Radisson Industries to ensure ease of operation.



Many factors in addition to the hardware dictate maximum casement window size. These include sash and frame stiffness and strength, screw holding strength, sash sag, weathertightness, and weatherstrip drag. For this reason, we recommend careful evaluation of the entire window before producing units as large as this matrix suggests.



Attachment clip is required on awning window hinges. Under no circumstances should a casement hinge with a snap-on stud be used on awning windows. Due to the rotational forces applied by an awning sash, the snap stud can work its way apart, allowing the sash to fall out and cause a serious threat of injury to individuals below.

The table above assumes the following typical mounting positions:

- A - Stud bracket position 1.750"
- B - Hinge position 0.437"
- C - Operator position 1.938"

Larger dimensions than these typical positions will not be able to support windows as large as the ones shown in this table.
Smaller dimensions may be able to support larger windows.

