

HINGES

Sterling STORM® HINGES

SECTION 7.1 SHEET 1 of 3

ISSUE: September, 2007

IMPERIAL VENT SIZE AND WEIGHT CHART - STORM Hinges

Hinge Code Awning/Projecting	Max. Vent Weight (lb)	Min. Vent Height (in)	Max. Vent Height (in)	Max. Vent Width (in)	Opening Angle (+/- 2.5°)
STORMB10	81	10.5	25	-	50°
STORMB12	99	25	31	-	50°
STORMB16	121	30.9	42.9	-	50°
STORMB22	165	42.9	59	-	45°
STORMB26	264	50	87	-	20°
Hinge Code Casement		Min. Vent Width (in)			
STORMBS10	83.6	11	-	26	80°
STORMBS16	103	18	-	33	90°
STORME16	103	18	-	33	90°

Note: Vent height/width is measured from rebate to rebate (not overall size or outer frame size) on conventional windows or glass size on structurally glazed windows e.g. curtain wall panels whichever is the greater dimension. For maximum vent height and widths not stated, consult profile manufacturers for recommendations on requirements of system strength and sealing.

Note: *Vents of 220 lb or higher, must be fitted with S7280 Cam adjustment devices, which are optional on lighter vents.

Note: Separate restrictors (SR8 or SR16 pair), vent holding devices or an operating mechanism maybe required to hold large vents in a selected ventilation position against variable wind pressure.

Note: Pivot design provides additional friction at angles of 10° or less. However, it may be necessary to fit additional separate device(s) on top hung vents to enable them to remain in a selected ventilation position.

Note: Above sizes/weights also apply to BX (STERLING® Offset Series).

Note: For loose rivet versions, used with opening devices, please contact Securistyle for advice on maximum sizes and weights.

It is the responsibility of the user to ensure that this document is at the latest issue.

Due to our policy of continual product improvement we reserve the right to alter specifications without notice.

It is the responsibility of the window manufacturer to ensure that the finished window meets the required performance and safety specification.

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SECTION 7.1 SHEET 2 of 3

ISSUE: September, 2007

METRIC SIZE AND WEIGHT CHART - STORM Hinges

Hinge Code Awning/Projecting	Max. Vent Weight (kg)	Min. Vent Height (mm)	Max. Vent Height (mm)	Max. Vent Width (mm)	Opening Angle (+/- 2.5°)
STORMB10	37	267	635	-	50°
STORMB12	45	635	787	-	50°
STORMB16	55	787	1090	-	50°
STORMB22	75	1090	1500	-	45°
STORMB26	120	1270	2200	-	20°
Hinge Code Casement		Min. Vent Width (mm)			
STORMBS10	38	280	-	665	80°
STORMBS16	47	457	-	838	90°
STORME16	47	457	-	838	90°

Note: Vent height/width is measured from rebate to rebate (not overall size or outer frame size) on conventional windows or glass size on structurally glazed windows e.g. curtain wall panels whichever is the greater dimension. For maximum vent height and widths not stated, consult profile manufacturers for recommendations on requirements of system strength and sealing.

Note: *Vents of 100 Kg or higher, must be fitted with S7280 Cam adjustment devices, which are optional on lighter vents.

Note: Separate restrictors (SR8 or SR16 pair), vent holding devices or an operating mechanism maybe required to hold large vents in a selected ventilation position against variable wind pressure.

Note: Pivot design provides additional friction at angles of 10° or less. However, it may be necessary to fit additional separate device(s) on top hung vents to enable them to remain in a selected ventilation position.

Note: Above sizes/weights also apply to BX (STERLING® Offset Series).

Note: For loose rivet versions, used with opening devices, please contact Securistyle for advice on maximum sizes and weights.

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FITTING INSTRUCTIONS: Fixing Hole Reference

Fixing Hole Centre Reference Chart - STORM Hinges

STORMB - Storm Balanced Top Hung

STORMBS - Storm Balanced Side Hung

STORME - Storm Egress Side Hung

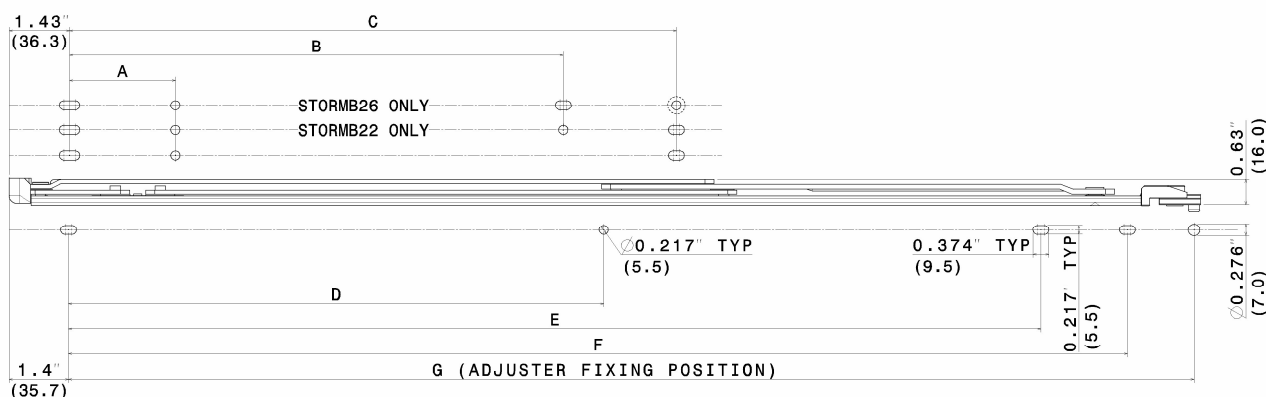
Dimensions

Description	A	B	C	D	E	F	G
STORMB10	1.55 (39.4)	-	6.44 (163.7)	7.00 (177.8)	-	8.59 (218.2)	10.10 (256.5)
STORMB12	2.48 (63.1)	-	7.43 (188.7)	8.37 (212.7)	-	10.59 (269.0)	12.10 (307.3)
STORMB16	4.61 (117.0)	-	9.44 (239.8)	11.97 (304.0)	-	14.59 (370.6)	16.10 (408.9)
STORMB22	2.50 (63.6)	7.94 (201.8)	12.44 (316.0)	16.47 (418.3)	-	20.59 (523.0)	22.10 (561.3)
STORMB26	2.50 (63.6)	11.68 (296.8)	14.36 (364.8)	12.55 (318.7)	23.01 (584.5)	25.06 (636.5)	26.57 (674.8)
STORMBS10	1.28 (32.6)	-	6.44 (163.7)	4.79 (121.7)	7.00 (177.8)	8.59 (218.2)	-
STORMBS16	2.50 (63.6)	-	9.44 (239.8)	7.15 (181.5)	11.97 (304.0)	14.59 (370.6)	-
STORME16	2.50 (63.6)	-	9.44 (239.8)	4.98 (126.5)	-	14.59 (370.6)	-

Dimensions out of Brackets = **Inches**

Dimensions in Brackets = **Millimetres**

Note: Above hole fixings also apply for BX (Offset) variants.



Not to Scale, All dimensions in inches (mm)

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