HAMMOND MANUFACTURING™
ELECTRONICS GROUP

Diecast Aluminum Enclosures - With Flanged Lid
Light Duty Watertight (1590W Series)


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Key Features:

- Rugged, diecast aluminum alloy (tough yet easy to machine), electronic instrument enclosure.
- Lap joint construction with a factory poured silicone rubber gasket around the perimeter of the lid provides protection against access of dust and water.
- Silicone rubber gasket remains flexible from -62 to +232ºC (-80 to +450 ºF).
- Flanged lid allows for easy mounting to walls or shelves & provides high security (as lid screws are hidden against wall or shelf). If you require easy access to enclosure see our **watertight flanged foot version**.
- These enclosures share the same body and features as our regular type 1590 enclosure except the lid is extended and four countersunk holes are cast into the flanges.
- Unpainted version is vibra finished for a smooth surface with no sharp edges.
- Painted version is painted with tough polyester powder paint for a lasting finish, even after machining. Paint is only applied to the exterior surface. Black screws are included to enhance appearance.
- Four (or 6 in 1590D, 1590DD & 1590E, 8 in 1590F) 6-32 x 1/2” stainless steel machine screws secure lid - into factory tapped holes.
- Screws use neoprene "O" rings (included).
- Designed to meet IP65.
- Low side wall draft angle (2 degrees or less) for easy P.C. board mounting.
- Link here to **photo tables** of each part number - **note:** regular (non-watertight) version shown for sizing.

Part Number	Color	Reader File	Drawing File Size	AutoCAD .dwg Files (zipped)	.zip File Size	Units	Length	Width	Enclosure Depth (Less Lid)
1590WLBFL **1590WLBFLBK**	Unpainted Black	PDF	142K	ZIP	167K	Inches	1.99	1.99	1.06

						mm	51	51	27
1590WAFL **1590WAFLBK**	Unpainted Black		137K		144K	Inches	3.64	1.52	1.06
						mm	93	39	27
1590WGFL **1590WGFLBK**	Unpainted Black		139K		254K	Inches	3.94	1.97	0.83
						mm	100	50	21
1590WSFL **1590WSFLBK**	Unpainted Black		130K		226K	Inches	4.35	3.21	1.57
						mm	111	82	40
1590WBFL **1590WBFLBK**	Unpainted Black		137K		207K	Inches	4.39	2.34	1.06
						mm	112	60	27
1590WBBFL **1590WBBFLBK**	Unpainted Black		118K		161K	Inches	4.67	3.68	1.18
						mm	119	94	30
1590WQFL **1590WQFLBK**	Unpainted Black		136K		413K	Inches	4.70	4.70	1.1
						mm	120	120	28
1590WUFL **1590WUFLBK**	Unpainted Black		128K		263K	Inches	4.70	4.70	2.17
						mm	120	120	55
1590WVFL **1590WVFLBK**	Unpainted Black		115K		226K	Inches	4.70	4.70	3.54
						mm	120	120	90
1590WCFL **1590WCFLBK**	Unpainted Black		124K		341K	Inches	4.72	3.70	2.07
						mm	120	94	53
1590WTFL **1590WTFLBK**	Unpainted Black		127K		197K	Inches	4.74	3.13	2.17
						mm	121	80	55
1590WN1FL **1590WN1FLBK**	Unpainted Black		127K		233K	Inches	4.77	2.6	1.39
						mm	121.1	66	35.3
1590WP1FL **1590WP1FLBK**	Unpainted Black		125K		214K	Inches	6.01	3.24	1.81
						mm	153	82	46
1590WDDFL **1590WDDFLBK**	Unpainted Black		138K		307K	Inches	7.40	4.70	1.30
						mm	188	119.5	33
1590WDFL **1590WDFLBK**	Unpainted Black		128K		338K	Inches	7.38	4.70	2.05
						mm	188	120	52
1590WEFL **1590WEFLBK**	Unpainted Black		123K		218K	Inches	7.38	4.70	3.07
						mm	188	120	78
1590WFFL **1590WFFLBK**	Unpainted Black		129K		368K	Inches	7.38	7.38	2.48
						mm	188	188	63

1590WR1FL **1590WR1FLBK**	Unpainted Black	PDF	127K	ZIP	220K	Inches	7.55	4.38	2.24
						mm	192	111	57

Link here to **photo tables** of each part number - **note:** regular (non-watertight) version shown for sizing

NOTES:

- For more detailed drawing of the enclosure refer back to our 1590 series (without flanges) listed above. This allowed more room on the drawings for other details.
- Dimensions are for enclosure (length does not include flanges)
- Add 0.16" (4 mm) to enclosure depth for lid
- For other drawing information or if you prefer .dwg versions of these drawings e-mail **drawings@hammondmfg.com**
- Available in natural vibra finish OR in light textured, powder paint in Black.
- This series is the same as our 1590 diecast aluminum except with a bead of rubberlike silicone around the perimeter of the lid.

DOWNLOAD

catalog pages on this series (124K) **9C-1590WFL.pdf**

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