HAMMOND MANUFACTURING

Diecast Aluminum Enclosures
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. **NOTE: we have made a "running change" improvement to this series - after August, 2010 production. Units made after August 2010 will have a separate - self adhesive silicone gasket included.**
- Silicone rubber gasket remains flexible from -62 to +232ºC (-80 to +450 ºF).
- Unpainted version is vibra finished for a smooth surface with no sharp edges.
- Painted version is painted with tough - satin black polyester powder paint for a lasting finish, even after machining. Black stainless steel, screws are included to enhance assembled appearance.
- Quantity four (4) 6-32 x 1/2" stainless steel, machine screws secure lid (or six (6) in 1590WD, 1590WDD, 1590WDE, 1590WE, 1590WEE & 1590WR1 or eight (8) in the 1590WF) - into factory tapped holes. See drawings and/or photos for details.
- Screws use neoprene "O" rings (included).
- Replacement screws & "O" rings for natural finish series - stainless steel, machine type, 6-32 x 1/2" - **1590WMS100** - Package of 100
- Replacement screws & "O" rings for black series, black oxide, stainless steel, 6-32 x 1/2" - **1590WMS100BK** - Package of 100
- 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	AutoCAD .dwg Files (zipped)	3D Solid Model .igs & .stp files (zipped)	Units	Length	Width	Enclosure Depth (Less Lid)
1590WLLB 1590WLLBBK	Unpainted Black	232K	179K	258K	Inches	1.97	1.97	0.83
					mm	50	50	21
1590WLB 1590WLBBK	Unpainted Black	226K	157K	279K	Inches	1.99	1.99	1.06
					mm	51	51	27
1590WH 1590WHBK	Unpainted Black	204K	118K	141K	Inches	2.07	1.5	1.06
					mm	52.5	38	27
1590WY 1590WYBK	Unpainted Black	222K	163K	277K	Inches	3.62	3.62	1.50
					mm	92	92	38
1590WA 1590WABK	Unpainted Black	227K	166K	256K	Inches	3.64	1.52	1.06
					mm	93	39	27
1590WG 1590WGBK	Unpainted Black	245K	252K	278K	Inches	3.94	1.97	0.83
					mm	100	50	21
1590WS 1590WSBK	Unpainted Black	235K	207K	300K	Inches	4.35	3.21	1.57
					mm	111	82	40
1590WB 1590WBBK	Unpainted Black	232K	223K	254K	Inches	4.39	2.34	1.06
					mm	112	60	27
1590WBS 1590WBSBK	Unpainted Black	236K	177K	271K	Inches	4.39	2.37	1.50
					mm	112	60	38
1590WBB 1590WBBBK	Unpainted Black	229K	181K	301K	Inches	4.67	3.68	1.18
					mm	119	94	30
1590WBBS 1590WBBSBK	Unpainted Black	241K	213K	283K	Inches	4.70	3.70	1.50
					mm	120	94	38
1590WQ 1590WQBK	Unpainted Black	211K	172K	270K	Inches	4.70	4.70	1.1
					mm	120	120	28
1590WU 1590WUBK	Unpainted Black	218K	158K	276K	Inches	4.70	4.70	2.17
					mm	120	120	55
1590WV 1590WVBK	Unpainted Black	216K	153K	284K	Inches	4.70	4.70	3.54
					mm	120	120	90
1590WC 1590WCBK	Unpainted Black	231K	181K	258K	Inches	4.72	3.70	2.07
					mm	120	94	53
1590WT 1590WTBK	Unpainted Black	225K	164K	291K	Inches	4.74	3.13	2.17
					mm	121	80	55
1590WCE 1590WCEBK	Unpainted Black	281K	229K	726K	Inches	4.74	3.95	2.37
					mm	120	100	60
1590WN1 1590WN1BK	Unpainted Black	205K	128K	182K	Inches	4.77	2.6	1.39
					mm	121.1	66	35.3
1590WKK 1590WKKBK	Unpainted Black	222K	175K	291K	Inches	4.92	4.92	2.10
					mm	125	125	53
1590WK 1590WKBK	Unpainted Black	179K	110K	121K	Inches	4.92	4.92	2.95
					mm	125	125	75
1590WJ 1590WJBK	Unpainted Black	192K	129K	155K	Inches	5.71	3.74	1.77
					mm	145	95	45
1590WXX 1590WXXBK	Unpainted Black	339K	385K	1.4M	Inches	5.72	4.77	1.39
					mm	145	121	35
1590WX 1590WXBK	Unpainted Black	336K	424K	1.4M	Inches	5.72	4.77	2.06
					mm	145	121	52
1590WP1 1590WP1BK	Unpainted Black	203K	150K	243K	Inches	6.01	3.24	1.81
					mm	153	82	46
1590WDD 1590WDDBK	Unpainted Black	427K	381K	844K	Inches	7.40	4.70	1.30
					mm	188	119.5	33
1590WD 1590WDBK	Unpainted Black	252K	352K	777K	Inches	7.38	4.70	2.05
					mm	188	120	52
1590WE 1590WEBK	Unpainted Black	292K	276K	865K	Inches	7.38	4.70	3.07
					mm	188	120	78
1590WF 1590WFBK	Unpainted Black	278K	297K	566K	Inches	7.38	7.38	2.48
					mm	188	188	63
1590WR1 1590WR1BK	Unpainted Black	230K	245K	308K	Inches	7.55	4.38	2.24
					mm	192	111	57
1590WDE 1590WDEBK	Unpainted Black	272K	202K	539K	Inches	7.88	4.73	2.37
					mm	200	120	60
1590WEE 1590WEEBK	Unpainted Black	268K	177K	526K	Inches	7.88	4.73	3.17
					mm	200	120	80

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

NOTES:

- Add 0.16" (4 mm) to enclosure depth for lid
- 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.

Accessories

Gasket Replacement Kits:

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- Each replacement kit **includes two pre-formed silicon gaskets**.
- Gaskets include adhesive backing for easy installation.
- Gasket is applied to the lid (see photo example).
- Designed to meet IP65 (with properly installed gasket and lid screws torqued at 55 cN.m).

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Enclosure Part Number Starts With:	Use Gasket Kit Part Number (Includes two gaskets)
1590WA	1590AGASKET
1590WB	1590BGASKET
1590WBB	1590BBGASKET
1590WC	1590BBGASKET
1590WD	1590EGASKET
1590WDD	1590EGASKET
1590WDE	1590DEGASKET
1590WE	1590EGASKET
1590WEE	1590DEGASKET
1590WF	1590FGASKET
1590WG	1590GGASKET
1590WH	1590HGASKET
1590WJ	1590JGASKET
1590WK	1590KGASKET
1590WKK	1590KGASKET
1590WLB	1590LBGASKET
1590WLLB	1590LLBGASKET
1590WN	1590NGASKET
1590WP	1590PGASKET
1590WQ	1590QGASKET
1590WR1	1590RGASKET
1590WS	1590SGASKET
1590WT	1590TGASKET
1590WU	1590QGASKET
1590WV	1590QGASKET
1590WX	1590XGASKET
1590WXX	1590XGASKET
1590WY	1590YGASKET

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

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