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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 +232°C (-80 to +450 °F).
- 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	PDF Reader File	AutoCAD .dwg Files (zipped)	3D Solid Model .igs & .stp files (zipped)	Units	Length	Width	Enclosure Depth (Less Lid)
1590WLLB 1590WLLBBK	Unpainted Black				Inches	1.97	1.97	0.83
					mm	50	50	21
1590WLB 1590WLBK	Unpainted Black				Inches	1.99	1.99	1.06
					mm	51	51	27
1590WH 1590WHBK	Unpainted Black				Inches	2.07	1.5	1.06
					mm	52.5	38	27
1590WY 1590WYBK	Unpainted Black				Inches	3.62	3.62	1.50
					mm	92	92	38
1590WA 1590WABK	Unpainted Black				Inches	3.64	1.52	1.06
					mm	93	39	27
1590WG 1590WGBK	Unpainted Black				Inches	3.94	1.97	0.83
					mm	100	50	21
1590WS 1590WSBK	Unpainted Black				Inches	4.35	3.21	1.57
					mm	111	82	40
1590WB 1590WBBK	Unpainted Black				Inches	4.39	2.34	1.06
					mm	112	60	27
1590WBS 1590WBSBK	Unpainted Black				Inches	4.39	2.37	1.50
					mm	112	60	38
1590WBB 1590WBBBK	Unpainted Black				Inches	4.67	3.68	1.18
					mm	119	94	30
1590WBS 1590WBSBK	Unpainted Black				Inches	4.70	3.70	1.50
					mm	120	94	38
1590WQ 1590WQBK	Unpainted Black				Inches	4.70	4.70	1.1
					mm	120	120	28
1590WU 1590WUBK	Unpainted Black				Inches	4.70	4.70	2.17
					mm	120	120	55
1590WV 1590WVBK	Unpainted Black				Inches	4.70	4.70	3.54
					mm	120	120	90
1590WC 1590WCBK	Unpainted Black				Inches	4.72	3.70	2.07
					mm	120	94	53
1590WT 1590WTBK	Unpainted Black				Inches	4.74	3.13	2.17
					mm	121	80	55
1590WCE 1590WCEBK	Unpainted Black				Inches	4.74	3.95	2.37
					mm	120	100	60
1590WN1 1590WN1BK	Unpainted Black				Inches	4.77	2.6	1.39
					mm	121.1	66	35.3
1590WKK 1590WKKBK	Unpainted Black				Inches	4.92	4.92	2.10
					mm	125	125	53
1590WK 1590WKBK	Unpainted Black				Inches	4.92	4.92	2.95
					mm	125	125	75
1590WJ 1590WJBK	Unpainted Black				Inches	5.71	3.74	1.77
					mm	145	95	45
1590WXX 1590WXXBK	Unpainted Black				Inches	5.72	4.77	1.39
					mm	145	121	35
1590WX 1590WXBK	Unpainted Black				Inches	5.72	4.77	2.06
					mm	145	121	52
1590WP1 1590WP1BK	Unpainted Black				Inches	6.01	3.24	1.81
					mm	153	82	46
1590WDD 1590WDDBK	Unpainted Black				Inches	7.40	4.70	1.30
					mm	188	119.5	33
1590WD 1590WDBK	Unpainted Black				Inches	7.38	4.70	2.05
					mm	188	120	52
1590WE 1590WEBK	Unpainted Black				Inches	7.38	4.70	3.07
					mm	188	120	78
1590WF 1590WFBK	Unpainted Black				Inches	7.38	7.38	2.48
					mm	188	188	63
1590WR1 1590WR1BK	Unpainted Black				Inches	7.55	4.38	2.24
					mm	192	111	57
1590WDE 1590WDEBK	Unpainted Black				Inches	7.88	4.73	2.37
					mm	200	120	60
1590WEE 1590WEEBK	Unpainted Black				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	<a href="#">1590AGASKET</a>
1590WB	<a href="#">1590BGASKET</a>
1590WBB	<a href="#">1590BBGASKET</a>
1590WC	<a href="#">1590BBGASKET</a>
1590WD	<a href="#">1590EGASKET</a>
1590WDD	<a href="#">1590EGASKET</a>
1590WDE	<a href="#">1590DEGASKET</a>
1590WE	<a href="#">1590EGASKET</a>
1590WEE	<a href="#">1590DEGASKET</a>
1590WF	<a href="#">1590FGASKET</a>
1590WG	<a href="#">1590GGASKET</a>
1590WH	<a href="#">1590HGASKET</a>
1590WJ	<a href="#">1590JGASKET</a>
1590WK	<a href="#">1590KGASKET</a>
1590WKK	<a href="#">1590KGASKET</a>
1590WLB	<a href="#">1590LBGASKET</a>
1590WLLB	<a href="#">1590LLBGASKET</a>
1590WN	<a href="#">1590NGASKET</a>
1590WP	<a href="#">1590PGASKET</a>
1590WQ	<a href="#">1590QGASKET</a>
1590WR1	<a href="#">1590RGASKET</a>
1590WS	<a href="#">1590SGASKET</a>
1590WT	<a href="#">1590TGASKET</a>
1590WU	<a href="#">1590QGASKET</a>
1590WV	<a href="#">1590QGASKET</a>
1590WX	<a href="#">1590XGASKET</a>
1590WXX	<a href="#">1590XGASKET</a>
1590WY	<a href="#">1590YGASKET</a>

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

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