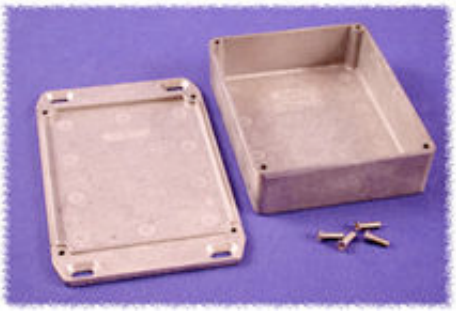
HAMMOND MANUFACTURING

Diecast Aluminum Enclosures (1590 "FL" Series) with Flanged Lid


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Key Features:

- Rugged, diecast aluminum alloy (tough yet easy to machine), electronic instrument enclosure.
- Lap joint construction provides protection against access of dust and splashing water.
- 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 **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.
- The flanged lid allows for added security as the lid screws are hidden against the wall or shelf.
- 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 screws are included to enhance assembled appearance.
- Quantity four (4) 6-32 x 1/2” machine screws secure lid (or six (6) in 1590DFL, 1590DDFL, 1590EFL & 1590R1FL or eight (8) in the 1590FFL) - into factory tapped holes. See drawings and/or photos for details.
- Designed to meet IP54 (see gasket kit accessory below to meet IP66).
- Low side wall draft angle (2 degrees or less) for easy P.C. board mounting.
- Replacement screws for natural finish series, machine type, nickel plated, 6-32 x 1/2” - **1590MS100** - Package of 100
- Replacement screws for black painted series, 6-32 x 1/2” - **1590MS50BK** - Package of 50
- Link here to **photo tables** of each part number

		PDF		3D				Enclosure

Part Number	Color	Reader File	AutoCAD .dwg Files (zipped)	Solid Model .igs & .stp files (zipped)	Units	Length	Width	Enclosure Depth (Less Lid)
1590LBFL 1590LBFLBK	Unpainted Black	172K	224K	686K	Inches mm	1.99 51	1.99 51	1.06 27
1590AFL 1590AFLBK	Unpainted Black	157K	203K	425K	Inches mm	3.64 93	1.52 39	1.06 27
1590GFL 1590GFLBK	Unpainted Black	157K	340K	457K	Inches mm	3.94 100	1.97 50	0.83 21
1590SFL 1590SFLBK	Unpainted Black	151K	257K	315K	Inches mm	4.35 111	3.21 82	1.57 40
1590BFL 1590BFLBK	Unpainted Black	389K	326K	486K	Inches mm	4.39 112	2.34 60	1.06 27
1590BSFL 1590BSFLBK	Unpainted Black	330K	208K	324K	Inches mm	4.39 112	2.37 60	1.50 38
1590BBFL 1590BBFLBK	Unpainted Black	168K	240K	516K	Inches mm	4.67 119	3.68 94	1.18 30
1590BBSFL 1590BBSFLBK	Unpainted Black	792K	243K	324K	Inches mm	4.70 120	3.70 94	1.50 38
1590QFL 1590QFLBK	Unpainted Black	175K	362K	575K	Inches mm	4.70 120	4.70 120	1.1 28
1590UFL 1590UFLBK	Unpainted Black	168K	289K	566K	Inches mm	4.70 120	4.70 120	2.17 55
1590VFL 1590VFLBK	Unpainted Black	149K	232K	472K	Inches mm	4.70 120	4.70 120	3.54 90
1590CFL 1590CFLBK	Unpainted Black	168K	260K	779K	Inches mm	4.72 120	3.70 94	2.07 53
1590TFL 1590TFLBK	Unpainted Black	150K	239K	473K	Inches mm	4.74 121	3.13 80	2.17 55
1590N1FL 1590N1FLBK	Unpainted Black	164K	235K	493K	Inches mm	4.77 121.1	2.6 66	1.39 35.3
1590XXFL	Unpainted				Inches mm	5.72	4.77	1.39

1590XXFLBK	Black	385K	444K	1.5M	mm	145	121	35
1590XFL **1590XFLBK**	Unpainted Black	396K	496K	1.5M	Inches	5.72	4.77	2.06
					mm	145	121	52
1590P1FL **1590P1FLBK**	Unpainted Black	127K	248K	564K	Inches	6.01	3.24	1.81
					mm	153	82	46
1590DDFL **1590DDFLBK**	Unpainted Black	285K	364K	549K	Inches	7.40	4.70	1.30
					mm	188	119.5	33
1590DFL **1590DFLBK**	Unpainted Black	185K	347K	464K	Inches	7.38	4.70	2.05
					mm	188	120	52
1590EFL **1590EFLBK**	Unpainted Black	174K	274K	461K	Inches	7.38	4.70	3.07
					mm	188	120	78
1590FFL **1590FFLBK**	Unpainted Black	197K	374K	609K	Inches	7.38	7.38	2.48
					mm	188	188	63
1590R1FL **1590R1FLBK**	Unpainted Black	176K	287K	566K	Inches	7.55	4.38	2.24
					mm	192	111	57

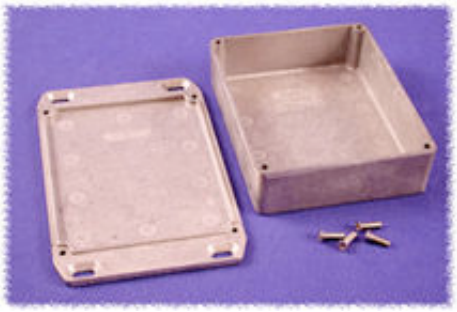
Link here to photo tables of each part number

NOTES:

- Dimensions are for enclosure (length does not include flanges)
- Add 0.16" (4 mm) to enclosure depth for lid
- Available in natural vibra finish OR in light textured, black powder paint.

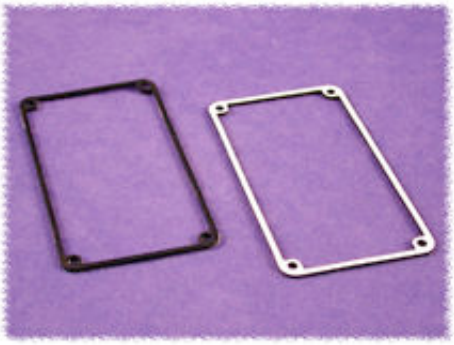
Color Options & Views:

NATURAL FINISH	BLACK SATIN TEXTURE FINISH
Assembled	**Assembled**

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Interior	**Interior**
 click to enlarge	 click to enlarge

Accessories

Gasket Kits:


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- Each **kit includes two pre-formed silicon gaskets.**
- Gaskets include adhesive backing for easy installation.
- Allows enclosure to be machined and/or painted first and gasketed later (or use our 1590 FL watertight version)
- Gasket is applied to the lid (see photo example).
- Designed to meet IP66 (with properly installed gasket and lid screws torqued at


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55 cN.m).

Enclosure Part Number Starts With:	Use Gasket Kit Part Number (Includes two gaskets)
1590A	**1590AGASKET**
1590B	**1590BGASKET**
1590BB	**1590BBGASKET**
1590C	**1590BBGASKET**
1590D	**1590EGASKET**
1590DD	**1590EGASKET**
1590E	**1590EGASKET**
1590F	**1590FGASKET**
1590G	**1590GGASKET**
1590H	**1590HGASKET**
1590J	**1590JGASKET**
1590K	**1590KGASKET**
1590KK	**1590KGASKET**
1590LB	**1590LBGASKET**
1590LLB	**1590LLBGASKET**
1590N	**1590NGASKET**
1590P	**1590PGASKET**
1590Q	**1590QGASKET**
1590R1	**1590RGASKET**
1590S	**1590SGASKET**
1590T	**1590TGASKET**
1590U	**1590QGASKET**
1590V	**1590QGASKET**
1590X	**1590XGASKET**
1590XX	**1590XGASKET**
1590Y	**1590YGASKET**

Note: for quantities contact us for a quotation on bulk packed versions

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

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Link to our stocking distributors - most have "on-line" pricing, stock check and ordering!!!

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