HAMMOND MANUFACTURING

Diecast Aluminum Enclosures (1590 "F" Series) with Bottom Flange


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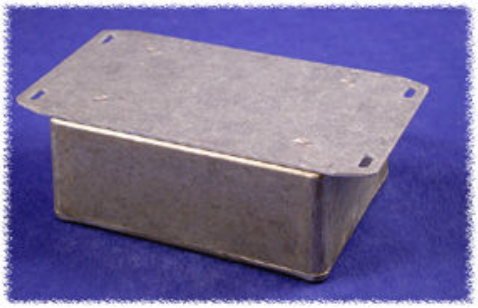
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Key Features:

- Rugged, diecast aluminum alloy (tough - yet easy to machine), electronic instrument enclosure.
- Lid screws are exposed for easy enclosure access (if you require higher security see our **flanged lid version**).
- Bottom flange is an aluminum (type 5052 H32) plate, spot welded onto the base of the enclosure.
- Lap joint construction provides protection against access of dust and splashing water. Also provides for improved EMI/RFI shielding.
- 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 1590DF, 1590DDF, 1590EF & 1590R1F or eight (8) in the 1590FF) - 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.

Part Number	Color	Reader File	AutoCAD .dwg Files (zipped)	3D Solid Model .igs & .stp files (zipped)	Units	Length	Width	Enclosure Depth (Less Lid)
1590LLBF 1590LLBFBK	Unpainted Black	226K	162K	277K	Inches	1.97	1.97	0.83
					mm	50	50	21
1590LBF 1590LBFBK	Unpainted Black	221K	133K	297K	Inches	1.99	1.99	1.06
					mm	51	51	27
1590HF 1590HFBK	Unpainted Black	208K	127K	159K	Inches	2.07	1.50	1.06
					mm	53	38	27
1590YF 1590YFBK	Unpainted Black	223K	150K	294K	Inches	3.62	3.62	1.50
					mm	92	92	38
1590AF 1590AFBK	Unpainted Black	233K	170K	274K	Inches	3.64	1.52	1.06
					mm	93	39	27

1590GF **1590GFBK**	Unpainted Black	233K	224K	296K	Inches	3.94	1.97	0.83
					mm	100	50	21
1590SF **1590SFBK**	Unpainted Black	236K	183K	314K	Inches	4.35	3.21	1.57
					mm	111	82	40
1590BF **1590BFBK**	Unpainted Black	236K	162K	272K	Inches	4.39	2.34	1.06
					mm	112	60	27
1590BSF **1590BSFBK**	Unpainted Black	216K	148K	290K	Inches	4.39	2.37	1.50
					mm	112	60	38
1590BBF **1590BBFBK**	Unpainted Black	225K	188K	284K	Inches	4.67	3.68	1.18
					mm	119	94	30
1590BBSF **1590BBSFBK**	Unpainted Black	234K	215K	301K	Inches	4.70	3.70	1.50
					mm	120	94	38
1590QF **1590QFBK**	Unpainted Black	207K	149K	293K	Inches	4.70	4.70	1.1
					mm	120	120	28
1590UF **1590UFBK**	Unpainted Black	208K	140K	294K	Inches	4.70	4.70	2.17
					mm	120	120	55
1590VF **1590VFBK**	Unpainted Black	204K	134K	305K	Inches	4.70	4.70	3.54
					mm	120	120	90
1590CF **1590CFBK**	Unpainted Black	225K	151K	277K	Inches	4.72	3.70	2.07
					mm	120	94	53
1590TF **1590TFBK**	Unpainted Black	256K	149K	289K	Inches	4.74	3.13	2.17
					mm	121	80	55
1590N1F **1590N1FBK**	Unpainted Black	202K	112K	201K	Inches	4.77	2.6	1.39
					mm	121.1	66	35.3
1590KKF **1590KKFBK**	Unpainted Black	224K	158K	310K	Inches	4.92	4.92	2.10
					mm	125	125	53
1590KF **1590KFBK**	Unpainted Black	180K	118K	141K	Inches	4.92	4.92	2.95
					mm	125	125	75
1590JF **1590JFBK**	Unpainted Black	194K	137K	170K	Inches	5.71	3.74	1.77
					mm	145	95	45
1590P1F **1590P1FBK**	Unpainted Black	225K	135K	261K	Inches	6.01	3.24	1.81
					mm	153	82	46
1590DDF **1590DDFBK**	Unpainted Black	204K	242K	869K	Inches	7.40	4.70	1.30
					mm	188	119.5	33
1590DF **1590DFBK**	Unpainted Black	269K	325K	778K	Inches	7.38	4.70	2.05
					mm	188	120	52
1590EF **1590EFBK**	Unpainted Black	258K	281K	631K	Inches	7.38	4.70	3.07
					mm	188	120	78
1590FF **1590FFBK**	Unpainted Black	280K	268K	583K	Inches	7.38	7.38	2.48
					mm	188	188	63
1590R1F **1590R1FBK**	Unpainted Black	224K	182K	325K	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 a satin textured, black powder paint finish

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Color Options & Views:

NATURAL FINISH	BLACK SATIN TEXTURE FINISH
Assembled	**Assembled**
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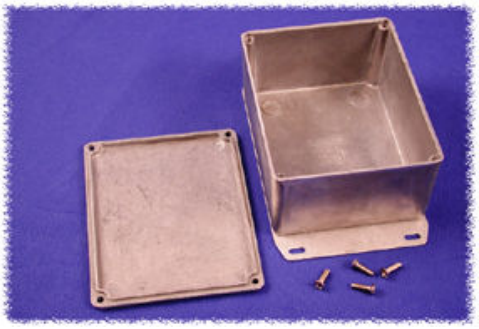
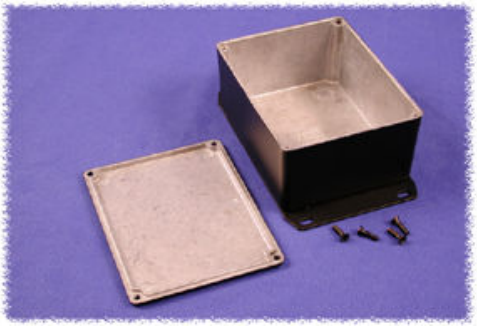
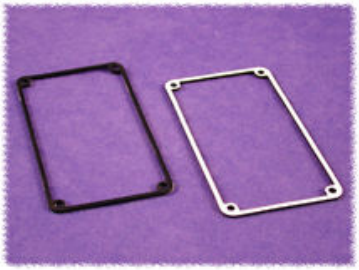
Interior	**Interior**
 click to enlarge	 click to enlarge

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 "F" watertight version)
- 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)
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**
1590Y	**1590YGASKET**

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

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DOWNLOAD NOW catalog pages on this series (136K) **9C-1590F.pdf**

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