

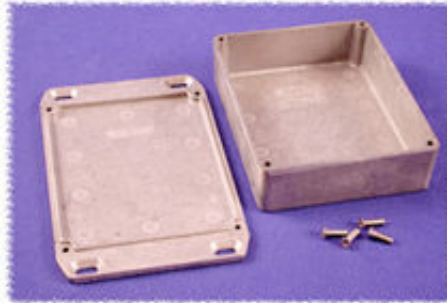
Diecast Aluminum Enclosures (1590 "FL" Series) with Flanged Lid

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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

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

1590XXFLBK	Black	385K	444K	1.5M		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



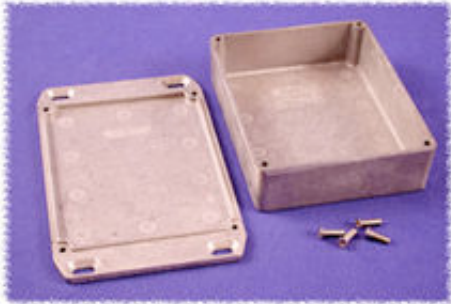
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Interior



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Interior



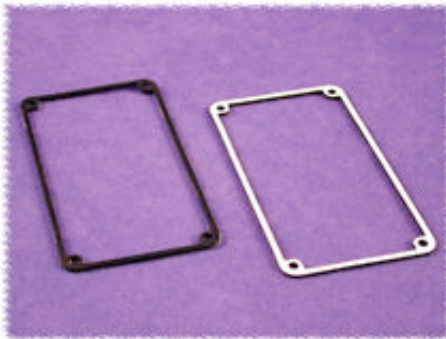
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Accessories

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



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

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