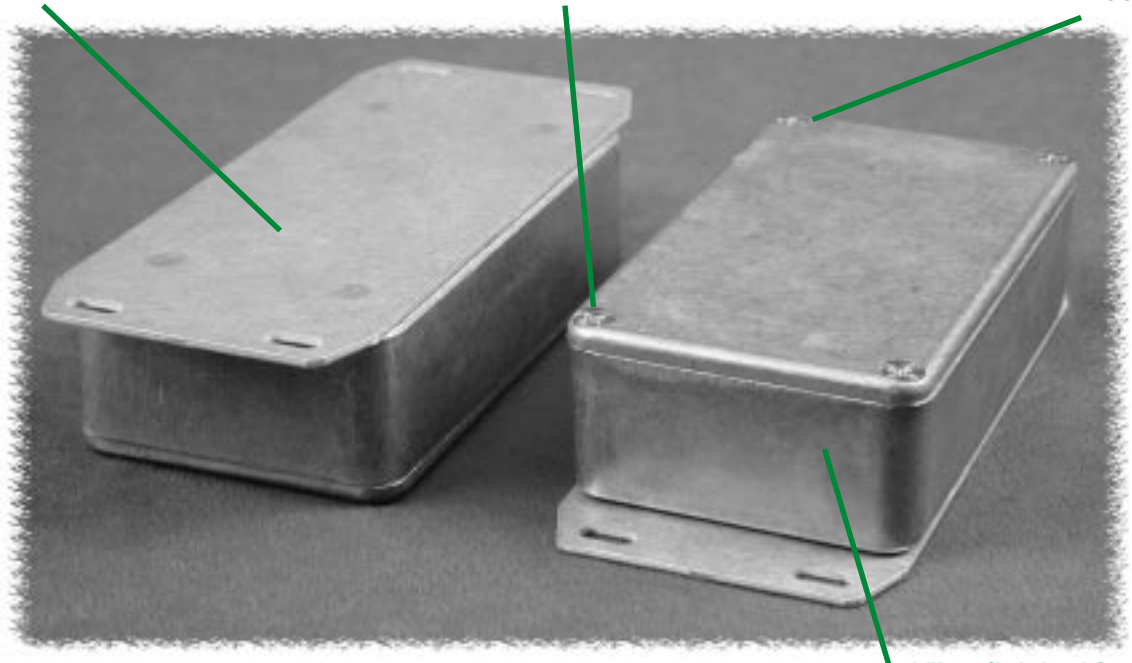
Natural & Painted With Flange (1590 Series)

Bottom flange is an aluminum plate, welded onto the base of the enclosure...

Lid screws are exposed for easy enclosure access...

Countersunk lid with machine screws into drilled and tapped holes...



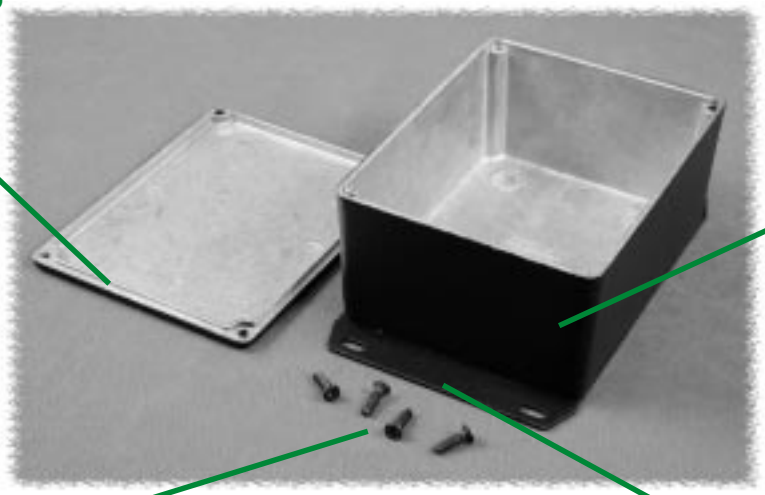
Vibra finished for a smooth surface with no sharp edges...

OTHER 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. Also provides for improved EMI/RFI shielding.
- Painted version (shown below) is painted with tough polyester powder paint for a lasting finish, even after machining.
- Four (or 6 in 1590D, 1590DD & 1590E, 8 in 1590F) 6-32 x 1/2" machine screws secure lid - into tapped holes.
- Designed to meet IP54
- Replacement screws for natural finish series, nickel plated, 6-32 x 1/2" - **1590MS100** - Package of 100
- Replacement black chromate screws for black series, 6-32 x 1/2" - **1590MS50BK** - Package of 50

Lap joint construction - lip masked to ensure good EMI/RFI connection to base...

Vibra finished for a smooth surface with no sharp edges, then painted with tough polyester powder paint...

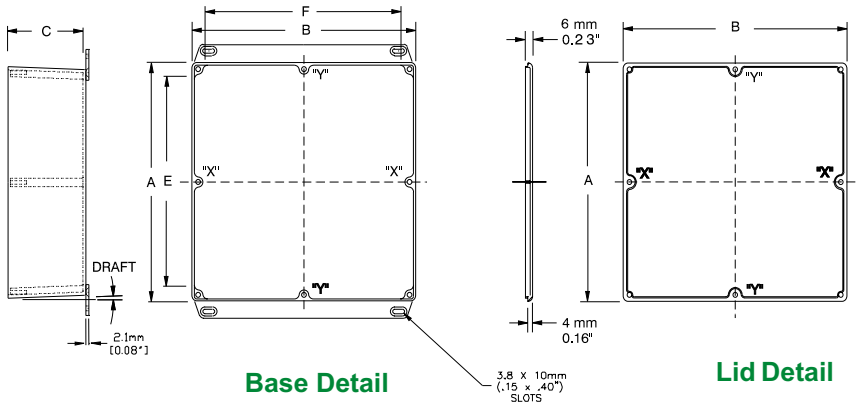


Enclosure uses machine screws into drilled & tapped holes matched to enclosure color...

Bottom flange is an aluminum plate, welded onto the base of the enclosure...

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CANADA
Guelph, Ontario (519) 822-2960
St. Laurent, Quebec (514) 343-9010
USA
Cheektowaga, NY (716) 651-0086
www.hammondmfg.com
EUROPE
Basingstoke, UK +44 1256 812812
AUSTRALASIA
Queenstown, SA, Australia +61 8 8240 2244

Natural & Painted With Flange (1590 Series)



Base Detail

Lid Detail

Part Number		Units	Dimensions					Apx. Draft
Unpainted	Black		A	B	C (No Lid)	E	F	
1590LLBF	1590LLBFBK	inch	1.97	1.97	0.83	1.22	1.22	1°15'
		mm	50	50	21	31	31	
1590LBF	1590LBFBK	inch	1.99	1.99	1.06	1.36	1.36	1°15'
		mm	50.5	50.5	27	34.5	34.5	
1590HF	1590HFBK	inch	2.07	1.50	1.06	1.41	.86	1°15'
		mm	52.5	38	27	35.9	21.8	
1590YF	1590YFBK	inch	3.62	3.62	1.50	2.70	2.70	1°15'
		mm	92	92	38	69	69	
1590AF	1590AFBK	inch	3.64	1.52	1.06	3.01	.89	1°15'
		mm	92.5	38.5	27	76.5	22.5	
1590GF	1590GFBK	inch	3.94	1.97	0.83	3.31	1.34	1°15'
		mm	100	50	21	84	34	
1590SF	1590SFBK	inch	4.35	3.21	1.57	3.72	2.58	1°15'
		mm	110.5	81.5	40	94.5	65.5	
1590BF	1590BFBK	inch	4.39	2.34	1.06	3.76	1.71	1°15'
		mm	111.5	59.5	27	95.5	43.5	
1590BBF	1590BBFBK	inch	4.67	3.68	1.18	4.04	3.05	1°15'
		mm	118.5	93.5	30	102.5	77.5	
1590UF	1590UFBK	inch	4.70	4.70	2.17	4.07	4.07	1°15'
		mm	119.5	119.5	55	103.5	103.5	
1590VF	1590VFBK	inch	4.70	4.70	3.54	4.07	4.07	1°15'
		mm	119.5	119.5	90	103.5	103.5	
1590CF	1590CFBK	inch	4.72	3.70	2.07	4.09	3.07	2°
		mm	120	94	52.5	104	78	
1590QF	1590QFBK	inch	4.72	4.72	1.18	4.09	4.09	1°15'
		mm	120	120	30	104	104	
1590TF	1590TFBK	inch	4.74	3.13	2.17	4.11	2.50	1°15'
		mm	120.5	79.5	55	104.5	63.5	
1590N1F	1590N1FBK	inch	4.77	2.60	1.39	4.09	1.92	1°15'
		mm	121.1	66	35.3	103.8	48.7	
1590KKF	1590KKFBK	inch	4.92	4.92	2.10	4.13	4.13	1°15'
		mm	125	125	53	105	105	
1590KF	1590KFBK	inch	4.92	4.92	2.95	4.27	4.27	1°15'
		mm	125	125	75	108.5	108.5	
1590JF	1590JFBK	inch	5.71	3.74	1.77	5.06	3.09	2°
		mm	145	95	45	128.5	78.5	
1590P1F	1590P1FBK	inch	6.01	3.24	1.81	5.38	2.48	2°
		mm	153	82	46	137	63	
1590DDF	1590DDFBK	inch	7.38	4.70	1.30	6.77	4.07	1°15'
		mm	187.5	119.5	33	172	103.5	
1590DF	1590DFBK	inch	7.38	4.70	2.05	6.75	4.07	2°
		mm	187.5	119.5	52	171.5	103.5	
1590EF	1590EFBK	inch	7.38	4.70	3.07	6.75	4.07	2°
		mm	187.5	119.5	78	171.5	103.5	
1590FF	1590FFBK	inch	7.38	7.38	2.48	6.75	6.75	2°
		mm	187.5	187.5	63	171.5	171.5	
1590R1F	1590R1FBK	inch	7.55	4.38	2.24	6.92	3.76	2°
		mm	192	111	57	176	95.4	

Notes: Assembled height = dimension "C" + .16" (4.0 mm). Wall & lid thickness is roughly .08" (2 mm) and varies with draft due to part being cast. Posts "X" exist on parts 1590D, 1590DD & 1590E. Posts "X" & "Y" exist on part 1590F. For detailed drawings, CAD files or color photos visit our website at: ***www.hammondmfg.com***