

Path: [Home](#) > [Enclosure Index](#) > Diecast Aluminum Watertight - Heavy Duty



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Key Features:

- Rugged, diecast aluminum alloy (tough yet easy to machine), electronic instrument enclosure.
- Two piece "tongue & groove" construction with a one piece silicone rubber gasket provides protection against access of dust and water.
- Ideal for repetitive opening and closing.
- Four recessed stainless steel machine screws secure lid into tapped holes.
- Easy to wall mount using "through box - blind hole" construction, outside of gasket protection.
- Lid screws are self captivating (lid holes are threaded with the first installation of lid screws).
- Designed to meet IP66.
- North American Mark of Safety - cUL & UL listed. Certified to NEMA 4X standards (UL 508) - File #E65324
- Painted versions are painted inside and out with a tough powder paint. Choice of satin black or smooth grey (RAL 7001).
- For non-metallic (glass reinforced polyester) versions of these enclosures link here to our [1590ZGRP series](#)

Part Number	Color	 Reader File	AutoCAD .dwg File (zipped)	3D Solid Model .igs & .stp files (zipped)	Internal Mounting Shelf	Units	Length	Width	Enclosure Depth (Less Lid)	Lid Thickness
1590Z060 1590Z060BK 1590Z060GY	Natural Black Grey	 344K	 165K	 199K	NO	Inches	1.98	1.77	.95	0.24
						mm	50	45	24	6
1590Z061 1590Z061BK 1590Z061GY	Natural Black Grey	 297K	 221K	 379K	NO	Inches	2.51	2.29	1.03	0.39
						mm	64	58	26	10
1590Z100 1590Z100BK 1590Z100GY	Natural Black Grey	 325K	 187K	 226K	YES	Inches	2.94	3.14	1.57	0.47
						mm	76	80	40	12
1590Z110 1590Z110BK 1590Z110GY	Natural Black Grey	 330K	 195K	 282K	NO	Inches	2.94	3.14	1.57	0.47
						mm	76	80	40	12
1590Z062 1590Z062BK 1590Z062GY	Natural Black Grey	 358K	 296K	 503K	NO	Inches	3.86	2.52	1.03	0.39
						mm	98	64	26	10
1590Z119 1590Z119BK 1590Z119GY	Natural Black Grey	 397K	 208K	 631K	YES	Inches	4.80	4.72	2.36	0.8
						mm	122	120	60	20
1590Z120	Natural					Inches	4.90	3.15	1.75	0.61

1590Z120BK 1590Z120GY	Black Grey	 482K	 541K	 1,965K	YES	mm	125	80	45	15.5
1590Z063 1590Z063BK 1590Z063GY	Natural Black Grey	 304K	 197K	 342K	NO	Inches	5.89	2.51	1.03	0.39
						mm	150	64	26	10
1590Z160 1590Z160BK 1590Z160GY	Natural Black Grey	 358K	 174K	 375K	YES	Inches	6.30	6.30	2.76	0.79
						mm	160	160	70	20
1590Z130 1590Z130BK 1590Z130GY	Natural Black Grey	 237K	 177K	 199K	NO	Inches	6.91	3.15	1.65	0.45
						mm	176	80	42	12
1590Z135 1590Z135BK 1590Z135GY	Natural Black Grey	 294K	 188K	 226K	NO	Inches	6.91	3.15	1.65	0.79
						mm	176	80	42	20
1590Z231 1590Z231BK 1590Z231GY	Natural Black Grey	 312K	 175K	 784K	YES	Inches	7.88	9.05	3.63	0.8
						mm	200	230	92	20
1590Z150 1590Z150BK 1590Z150GY	Natural Black Grey	 351K	 218K	 145K	YES	Inches	8.70	4.76	2.39	0.79
						mm	221	121	60	20
1590Z140 1590Z140BK 1590Z140GY	Natural Black Grey	 144K	 188K	 177K	YES	Inches	9.85	3.13	1.57	0.59
						mm	250	80	40	15
1590Z162 1590Z162BK 1590Z162GY	Natural Black Grey	 285K	 171K	 690K	YES	Inches	10.24	6.25	2.75	0.79
						mm	260	159	70	20
1590Z235 1590Z235BK 1590Z235GY	Natural Black Grey	 252K	 239K	 485K	YES	Inches	13.18	9.23	4.36	0.79
						mm	335	235	111	20
1590Z166 1590Z166BK 1590Z166GY	Natural Black Grey	 166K	 170K	 349K	YES	Inches	14.17	6.30	2.76	0.79
						mm	360	160	70	20
1590Z164 1590Z164BK 1590Z164GY	Natural Black Grey	 285K	 186K	 247K	YES	Inches	14.23	4.72	2.38	0.79
						mm	361	120	60	20

NOTES:

- 1590Z100/119/120/140/150/160/162/164/166/231/235 have interior - full width panel mounting shelf (please refer to drawings).
- 1590Z060/061/062/110/130/135 have 2 interior - corner panel mounting (please refer to drawings).

Color Options :

Natural Finish	Black Satin	Smooth Grey (RAL 7001)



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Features (by photo):

Lid screws are self captivating (lid is threaded with first installation of screws)	Lid screw & wall mounting feature
 A close-up photo showing a screw being driven into the corner of the lid, demonstrating the self-captivating feature.	 Internal view of the enclosure showing the lid screws and wall mounting holes, which are located outside the gasket seal area.
Internal View (natural finish, with mounting shelf version)	Internal View (satin black version)
 Internal view of the natural finish enclosure with the mounting shelf version, showing the lid and base components.	 Internal view of the satin black enclosure with the mounting shelf version, showing the lid and base components.
Internal View (smooth grey version)	
 Internal view of the smooth grey enclosure with the mounting shelf version, showing the lid and base components.	

Accessories

Galvanized Steel Inner Panels:

Panel Part Number	Use With Enclosure Series	Description
1590Z100PL	1590Z62, 1590Z100	14 ga. galvanized steel inner panel
1590Z119PL	1590Z119	14 ga. galvanized steel inner panel
1590Z120PL	1590Z120	14 ga. galvanized steel inner panel
1590Z140PL	1590Z140	14 ga. galvanized steel inner panel
1590Z150PL	1590Z150	14 ga. galvanized steel inner panel
1590Z160PL	1590Z160	14 ga. galvanized steel inner panel
1590Z162PL	1590Z162	14 ga. galvanized steel inner panel
1590Z164PL	1590Z164	14 ga. galvanized steel inner panel
1590Z166PL	1590Z166	14 ga. galvanized steel inner panel
1590Z231PL	1590Z231	14 ga. galvanized steel inner panel
1590Z235PL	1590Z235	14 ga. galvanized steel inner panel

NOTE: These panels do NOT fit our 1590Z "GRP" polyester series enclosures.

Replacement - Copper Grounding Screws:

Screw Pack Part Number	Use With Enclosure Series	Qty of copper screws & washers
SCGM6	1590Z119, 1590Z135, 1590Z140, 1590Z150, 1590Z160, 1590Z162, 1590Z164, 1590Z231, 1590Z235	4
SCGM4	1590Z061, 1590Z062, 1590Z063, 1590Z100, 1590Z110, 1590Z120, 1590Z130	2

Replacement - Gasket Kits:

Gasket Kit Part Number	Use With Enclosure Series
1590Z060G	1590Z060
1590Z061G	1590Z061
1590Z062G	1590Z062
1590Z063G	1590Z063
1590Z100G	1590Z100 or 1590Z110
1590Z119G	1590Z119
1590Z120G	1590Z120
1590Z130G	1590Z130 or 1590Z135
1590Z140G	1590Z140
1590Z150G	1590Z150
1590Z160G	1590Z160
1590Z162G	1590Z162
1590Z164G	1590Z164
1590Z166G	1590Z166

1590Z231G	1590Z231
1590Z235G	1590Z235



catalog pages on this series (167K) [9C-1590Z.pdf](#)

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