



















**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	PDF 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				NO	Inches	1.98	1.77	.95	0.24			
	Black					344K	165K	199K	mm	50	45	24	6
	Grey												
1590Z061 1590Z061BK 1590Z061GY	Natural				NO	Inches	2.51	2.29	1.03	0.39			
	Black					297K	221K	379K	mm	64	58	26	10
	Grey												
1590Z100 1590Z100BK 1590Z100GY	Natural				YES	Inches	2.94	3.14	1.57	0.47			
	Black					325K	187K	226K	mm	76	80	40	12
	Grey												
1590Z110 1590Z110BK 1590Z110GY	Natural				NO	Inches	2.94	3.14	1.57	0.47			
	Black					330K	195K	282K	mm	76	80	40	12
	Grey												
1590Z062 1590Z062BK 1590Z062GY	Natural				NO	Inches	3.86	2.52	1.03	0.39			
	Black					358K	296K	503K	mm	98	64	26	10
	Grey												
1590Z119 1590Z119BK 1590Z119GY	Natural				YES	Inches	4.80	4.72	2.36	0.8			
	Black					397K	208K	631K	mm	122	120	60	20
	Grey												
1590Z120	Natural					Inches	4.90	3.15	1.75	0.61			

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

<b>Lid screws are self capturing (lid is threaded with first installation of screws)</b>	<b>Lid screw &amp; wall mounting feature</b>
 <p>click to enlarge</p>	 <p>Lid screws and wall mounting holes outside the gasket seal area</p> <p>click to enlarge</p>
<b>Internal View (natural finish, with mounting shelf version)</b>	<b>Internal View (satin black version)</b>
 <p>click to enlarge</p>	 <p>click to enlarge</p>
<b>Internal View (smooth grey version)</b>	
 <p>click to enlarge</p>	

## Accessories

### *Galvanized Steel Inner Panels:*

Panel Part Number	Use With Enclosure Series	Description
<b>1590Z100PL</b>	1590Z62, 1590Z100	14 ga. galvanized steel inner panel
<b>1590Z119PL</b>	1590Z119	14 ga. galvanized steel inner panel
<b>1590Z120PL</b>	1590Z120	14 ga. galvanized steel inner panel
<b>1590Z140PL</b>	1590Z140	14 ga. galvanized steel inner panel
<b>1590Z150PL</b>	1590Z150	14 ga. galvanized steel inner panel
<b>1590Z160PL</b>	1590Z160	14 ga. galvanized steel inner panel
<b>1590Z162PL</b>	1590Z162	14 ga. galvanized steel inner panel
<b>1590Z164PL</b>	1590Z164	14 ga. galvanized steel inner panel
<b>1590Z166PL</b>	1590Z166	14 ga. galvanized steel inner panel
<b>1590Z231PL</b>	1590Z231	14 ga. galvanized steel inner panel
<b>1590Z235PL</b>	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
<b>SCGM6</b>	1590Z119, 1590Z135, 1590Z140, 1590Z150, 1590Z160, 1590Z162, 1590Z164, 1590Z231, 1590Z235	4
<b>SCGM4</b>	1590Z061, 1590Z062, 1590Z063, 1590Z100, 1590Z110, 1590Z120, 1590Z130	2

### *Replacement - Gasket Kits:*

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

<b>1590Z231G</b>	1590Z231
<b>1590Z235G</b>	1590Z235



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

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