HAMMOND MANUFACTURING

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# Type 4X/ 6P Diecast Aluminum Enclosures *1590Z Series*

**Watertight, Thick Wall, UL Listed**










## Key Features:

- Rugged, diecast aluminum alloy (tough yet easy to machine), electronic instrument enclosure.
- Two piece “tongue & groove” construction with a replaceable one-piece silicone rubber gasket provides protection against access of dust and water. Gasket supplied loose inside the enclosure (not pre-installed).
- Gasket has a temperature rating of -40C to +150C
- 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). (NOTE: Except for **1590Z060**, **1590Z061**, **1590Z062**, and **1590Z063**)
- Designed to meet IP68.
- North American Mark of Safety - cUL & UL listed. Certified to Type 4, 4X, 6, 6P.
- All sizes except 1590Z060** carry an impact rating of IK08 per IEC62262
- 16ga galvanized steel inner panels are available for most sizes, and are sold separately (refer to table below).
- Painted versions are painted inside and out with a tough powder paint. Choice of textured black or smooth gray (RAL 7001).
- For non-metallic (glass reinforced polyester) versions of these enclosures, see series **1590ZGRP**

## Photos

Available unfinished or powder coated in textured black or smooth gray.















Lid screws are self captivating (lid is threaded with first installation of screws)



Lid screws and wall mounting holes are outside the gasket channel.



Inner panels are available for most sizes and are sold separately.

## Accessories

- Pole Mount Kit
- Breather Kit
- Liquid-Tight, Strain Relief Cordgrips
- Pressure Compensation Plug
- Small Rainproof Ventilator

### Enclosure

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **1590Z060** | Natural | NO | 1.98 | 1.77 | 0.95 | 0.24 | **SC1550Z103-50** | | **SCG060-50** | **1590Z060G** |
| **1590Z060BK** | Black | NO | 1.98 | 1.77 | 0.95 | 0.24 | **SC1550Z103-50** | | **SCG060-50** | **1590Z060G** |
| **1590Z060GY** | Grey | NO | 1.98 | 1.77 | 0.95 | 0.24 | **SC1550Z103-50** | | **SCG060-50** | **1590Z060G** |
| **1590Z061** | Natural | NO | 2.51 | 2.29 | 1.03 | 0.39 | **SC1550Z103-50** | | **SCG060-50** | **1590Z061G** |
| **1590Z061BK** | Black | NO | 2.51 | 2.29 | 1.03 | 0.39 | **SC1550Z103-50** | | **SCG060-50** | **1590Z061G** |
| **1590Z061GY** | Grey | NO | 2.51 | 2.29 | 1.03 | 0.39 | **SC1550Z103-50** | | **SCG060-50** | **1590Z061G** |
| **1590Z100** | Natural | YES | 2.94 | 3.14 | 1.57 | 0.47 | **SC576-50** | **1590Z100PL** | **SCGM4-50** | **1590Z100G** |
| **1590Z100BK** | Black | YES | 2.94 | 3.14 | 1.57 | 0.47 | **SC576-50** | **1590Z100PL** | **SCGM4-50** | **1590Z100G** |
| **1590Z100GY** | Grey | YES | 2.94 | 3.14 | 1.57 | 0.47 | **SC576-50** | **1590Z100PL** | **SCGM4-50** | **1590Z100G** |
| **1590Z110** | Natural | NO | 2.94 | 3.14 | 1.57 | 0.47 | **SC576-50** | | **SCGM4-50** | **1590Z100G** |
| **1590Z110BK** | Black | NO | 2.94 | 3.14 | 1.57 | 0.47 | **SC576-50** | | **SCGM4-50** | **1590Z100G** |
| **1590Z110GY** | Grey | NO | 2.94 | 3.14 | 1.57 | 0.47 | **SC576-50** | | **SCGM4-50** | **1590Z100G** |
| **1590Z062** | Natural | NO | 3.86 | 2.52 | 1.03 | 0.39 | **SC1550Z103-50** | | **SCG060-50** | **1590Z062G** |
| **1590Z062BK** | Black | NO | 3.86 | 2.52 | 1.03 | 0.39 | **SC1550Z103-50** | | **SCG060-50** | **1590Z062G** |
| **1590Z062GY** | Grey | NO | 3.86 | 2.52 | 1.03 | 0.39 | **SC1550Z103-50** | | **SCG060-50** | **1590Z062G** |
| **1590Z119** | Natural | YES | 4.80 | 4.72 | 2.36 | 0.80 | **SC564-12** | **1590Z119PL** | **SCGM6-20** | **1590Z119G** |
| **1590Z119BK** | Black | YES | 4.80 | 4.72 | 2.36 | 0.80 | **SC564-12** | **1590Z119PL** | **SCGM6-20** | **1590Z119G** |
| **1590Z119GY** | Grey | YES | 4.80 | 4.72 | 2.36 | 0.80 | **SC564-12** | **1590Z119PL** | **SCGM6-20** | **1590Z119G** |
| **1590Z120** | Natural | YES | 4.90 | 3.15 | 1.75 | 0.61 | **SC1550Z107-50** | **1590Z120PL** | **SCGM4-50** | **1590Z120G** |
| **1590Z120BK** | Black | YES | 4.90 | 3.15 | 1.75 | 0.61 | **SC1550Z107-50** | **1590Z120PL** | **SCGM4-50** | **1590Z120G** |
| **1590Z120GY** | Grey | YES | 4.90 | 3.15 | 1.75 | 0.61 | **SC1550Z107-50** | **1590Z120PL** | **SCGM4-50** | **1590Z120G** |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **1590Z063** | Natural | NO | 5.89 | 2.51 | 1.03 | 0.39 | **SC1550Z103-50** | | **SCG060-50** | **1590Z063G** |
| **1590Z063BK** | Black | NO | 5.89 | 2.51 | 1.03 | 0.39 | **SC1550Z103-50** | | **SCG060-50** | **1590Z063G** |
| **1590Z063GY** | Grey | NO | 5.89 | 2.51 | 1.03 | 0.39 | **SC1550Z103-50** | | **SCG060-50** | **1590Z063G** |
| **1590Z160** | Natural | YES | 6.30 | 6.30 | 2.76 | 0.79 | **SC564-12** | **1590Z160PL** | **SCGM6-20** | **1590Z160G** |
| **1590Z160BK** | Black | YES | 6.30 | 6.30 | 2.76 | 0.79 | **SC564-12** | **1590Z160PL** | **SCGM6-20** | **1590Z160G** |
| **1590Z160GY** | Grey | YES | 6.30 | 6.30 | 2.76 | 0.79 | **SC564-12** | **1590Z160PL** | **SCGM6-20** | **1590Z160G** |
| **1590Z130** | Natural | NO | 6.91 | 3.15 | 1.65 | 0.45 | **SC576-50** | | **SCGM4-50** | **1590Z130G** |
| **1590Z130BK** | Black | NO | 6.91 | 3.15 | 1.65 | 0.45 | **SC576-50** | | **SCGM4-50** | **1590Z130G** |
| **1590Z130GY** | Grey | NO | 6.91 | 3.15 | 1.65 | 0.45 | **SC576-50** | | **SCGM4-50** | **1590Z130G** |
| **1590Z135** | Natural | NO | 6.91 | 3.15 | 1.65 | 0.79 | **SC574-30** | | **SCGM4-50** | **1590Z130G** |
| **1590Z135BK** | Black | NO | 6.91 | 3.15 | 1.65 | 0.79 | **SC574-30** | | **SCGM4-50** | **1590Z130G** |
| **1590Z135GY** | Grey | NO | 6.91 | 3.15 | 1.65 | 0.79 | **SC574-30** | | **SCGM4-50** | **1590Z130G** |
| **1590Z150** | Natural | YES | 8.70 | 4.74 | 2.39 | 0.79 | **SC564-12** | **1590Z150PL** | **SCGM6-20** | **1590Z150G** |
| **1590Z150BK** | Black | YES | 8.70 | 4.74 | 2.39 | 0.79 | **SC564-12** | **1590Z150PL** | **SCGM6-20** | **1590Z150G** |
| **1590Z150GY** | Grey | YES | 8.70 | 4.74 | 2.39 | 0.79 | **SC564-12** | **1590Z150PL** | **SCGM6-20** | **1590Z150G** |
| **1590Z155** | Natural | YES | 8.70 | 4.72 | 2.40 | 1.18 | **SC565-12** | **1590Z150PL** | **SCGM6-20** | **1590Z150G** |
| **1590Z155BK** | Black | YES | 8.70 | 4.72 | 2.40 | 1.18 | **SC565-12** | **1590Z150PL** | **SCGM6-20** | **1590Z150G** |
| **1590Z155GY** | Grey | YES | 8.70 | 4.72 | 2.40 | 1.18 | **SC565-12** | **1590Z150PL** | **SCGM6-20** | **1590Z150G** |
| **1590Z231** | Natural | YES | 9.06 | 7.87 | 3.63 | 0.80 | **SC564-12** | **1590Z231PL** | **SCGM6-20** | **1590Z231G** |
| **1590Z231BK** | Black | YES | 9.06 | 7.87 | 3.63 | 0.80 | **SC564-12** | **1590Z231PL** | **SCGM6-20** | **1590Z231G** |
| **1590Z231GY** | Grey | YES | 9.06 | 7.87 | 3.63 | 0.80 | **SC564-12** | **1590Z231PL** | **SCGM6-20** | **1590Z231G** |
| **1590Z140** | Natural | YES | 9.85 | 3.13 | 1.57 | 0.59 | **SC576-50** | **1590Z140PL** | **SCGM6-20** | **1590Z140G** |
| **1590Z140BK** | Black | YES | 9.85 | 3.13 | 1.57 | 0.59 | **SC576-50** | **1590Z140PL** | **SCGM6-20** | **1590Z140G** |
| **1590Z140GY** | Grey | YES | 9.85 | 3.13 | 1.57 | 0.59 | **SC576-50** | **1590Z140PL** | **SCGM6-20** | **1590Z140G** |
| **1590Z162** | Natural | YES | 10.24 | 6.25 | 2.75 | 0.79 | **SC564-12** | **1590Z162PL** | **SCGM6-20** | **1590Z162G** |
| **1590Z162BK** | Black | YES | 10.24 | 6.25 | 2.75 | 0.79 | **SC564-12** | **1590Z162PL** | **SCGM6-20** | **1590Z162G** |
| **1590Z162GY** | Grey | YES | 10.24 | 6.25 | 2.75 | 0.79 | **SC564-12** | **1590Z162PL** | **SCGM6-20** | **1590Z162G** |
| **1590Z235** | Natural | YES | 13.07 | 9.13 | 4.36 | 0.79 | **SC598-20** | **1590Z235PL** | **SCGM6-20** | **1590Z235G** |
| **1590Z235BK** | Black | YES | 13.07 | 9.13 | 4.36 | 0.79 | **SC598-20** | **1590Z235PL** | **SCGM6-20** | **1590Z235G** |
| **1590Z235GY** | Grey | YES | 13.07 | 9.13 | 4.36 | 0.79 | **SC598-20** | **1590Z235PL** | **SCGM6-20** | **1590Z235G** |
| **1590Z166** | Natural | YES | 14.17 | 6.30 | 2.76 | 0.79 | **SC564-12** | **1590Z166PL** | **SCGM6-20** | **1590Z166G** |
| **1590Z166BK** | Black | YES | 14.17 | 6.30 | 2.76 | 0.79 | **SC564-12** | **1590Z166PL** | **SCGM6-20** | **1590Z166G** |
| **1590Z166GY** | Grey | YES | 14.17 | 6.30 | 2.76 | 0.79 | **SC564-12** | **1590Z166PL** | **SCGM6-20** | **1590Z166G** |
| **1590Z164** | Natural | YES | 14.23 | 4.72 | 2.38 | 0.79 | **SC598-20** | **1590Z164PL** | **SCGM6-20** | **1590Z164G** |
| **1590Z164BK** | Black | YES | 14.23 | 4.72 | 2.38 | 0.79 | **SC598-20** | **1590Z164PL** | **SCGM6-20** | **1590Z164G** |
| **1590Z164GY** | Grey | YES | 14.23 | 4.72 | 2.38 | 0.79 | **SC598-20** | **1590Z164PL** | **SCGM6-20** | **1590Z164G** |

*Data subject to change without notice*

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