



Quality Products. Service Excellence.

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

Watertight, Thick Wall, UL Listed

NEW SIZES

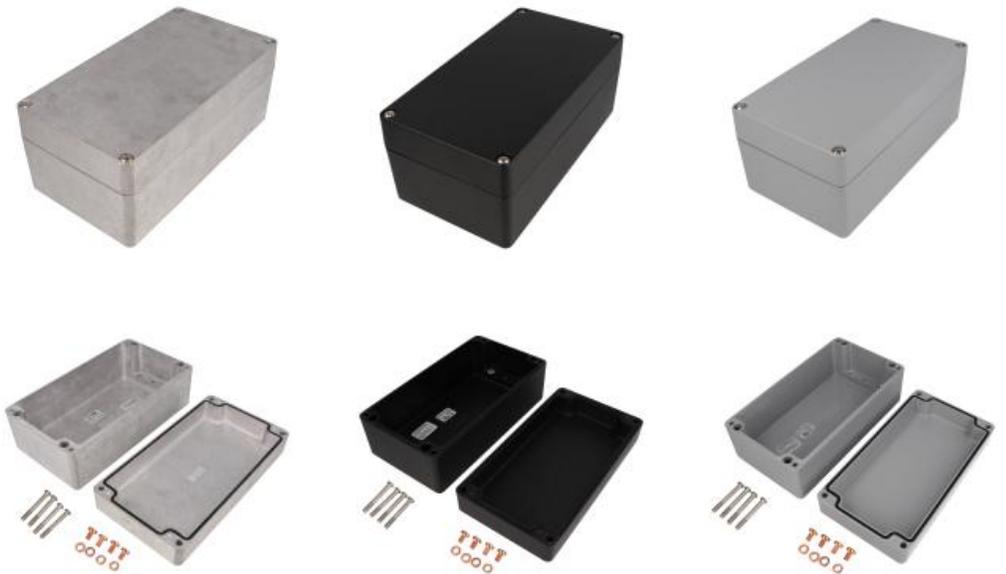


Key Features:

- Rugged, diecast aluminum alloy electronic instrument enclosure.
- Two piece tongue and groove construction with a replaceable one piece silicone rubber gasket provides protection against ingress of dust and water. Gasket supplied loose inside the enclosure (not pre-installed).
- Gasket has a temperature rating of -40C to +150C (-40F to 302F).
- Ideal for repetitive opening and closing.
- Four recessed stainless steel machine screws secure lid into tapped holes.
- Easy to wall mount using blind through hole construction, located outside of gasket protection.
- Lid screws are self-captivating and create threads on first installation, excluding **1590Z060**, **1590Z061**, **1590Z062**, and **1590Z063** models.
- cUL and UL listed.
- Independently tested to meet IP66, IP67, and IP68 as well as NEMA Type 4, 4X, 6, 6P, 12 & 13 ratings.
 - Customers should conduct their own testing to determine suitability for any specific application.
- All sizes except 1590Z060** carry an impact rating of IK08 per IEC62262.
- 16 gauge galvanized steel inner panels are optional and available for most sizes.
- 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 capturing; 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 Cordgrips (Nylon)
- Pressure Compensation Plug
- Small Rainproof Ventilator
- Liquid-Tight Cordgrips (Nickel Plated Brass)

Enclosure

| Part Number | Color | Internal | | Total Length | Total Width | Total Depth | Lid Depth | Extra Lid Screws | Inner Panel | Extra Panel Screws | Replacement Gasket (Pack of 2) |
|-------------|---------|----------------|--------|--------------|-------------|-------------|---------------|------------------|-------------|--------------------|--------------------------------|
| | | Mounting Shelf | Length | | | | | | | | |
| 1590Z060 | Natural | NO | 50 | 45 | 30 | 6 | SC1550Z103-50 | | SCGM4-50 | 1590Z060G | |
| 1590Z060BK | Black | NO | 50 | 45 | 30 | 6 | SC1550Z103-50 | | SCGM4-50 | 1590Z060G | |
| 1590Z060GY | Gray | NO | 50 | 45 | 30 | 6 | SC1550Z103-50 | | SCGM4-50 | 1590Z060G | |
| 1590Z061 | Natural | NO | 64 | 58 | 35 | 5 | SC1550Z103-50 | | SCGM4-50 | 1590Z061G | |
| 1590Z061BK | Black | NO | 64 | 58 | 35 | 5 | SC1550Z103-50 | | SCGM4-50 | 1590Z061G | |
| 1590Z061GY | Gray | NO | 64 | 58 | 35 | 5 | SC1550Z103-50 | | SCGM4-50 | 1590Z061G | |
| 1590Z100 | Natural | YES | 80 | 75 | 52 | 12 | SC576-50 | 1590Z100PL | SCGM4-50 | 1590Z100G | |
| 1590Z100BK | Black | YES | 80 | 75 | 52 | 12 | SC576-50 | 1590Z100PL | SCGM4-50 | 1590Z100G | |
| 1590Z100GY | Gray | YES | 80 | 75 | 52 | 12 | SC576-50 | 1590Z100PL | SCGM4-50 | 1590Z100G | |
| 1590Z110 | Natural | NO | 80 | 75 | 52 | 12 | SC576-50 | | SCGM4-50 | 1590Z100G | |

| Part Number | Color | Internal | | Total | | | Lid | Extra Lid Screws | Inner Panel | Extra Panel Screws | Replacement Gasket (Pack of 2) |
|-------------|---------|----------------|--------|-------|-------|-------|---------------|------------------|-------------|--------------------|-----------------------------------|
| | | Mounting Shelf | Length | Width | Depth | Depth | Depth | | | | |
| 1590Z110BK | Black | NO | 80 | 75 | 52 | 12 | SC576-50 | | SCGM4-50 | 1590Z100G | |
| 1590Z110GY | Gray | NO | 80 | 75 | 52 | 12 | SC576-50 | | SCGM4-50 | 1590Z100G | |
| 1590Z062 | Natural | NO | 98 | 64 | 34 | 9 | SC1550Z103-50 | | SCG060-50 | 1590Z062G | |
| 1590Z062BK | Black | NO | 98 | 64 | 34 | 9 | SC1550Z103-50 | | SCG060-50 | 1590Z062G | |
| 1590Z062GY | Gray | NO | 98 | 64 | 34 | 9 | SC1550Z103-50 | | SCG060-50 | 1590Z062G | |
| 1590Z080 | Natural | YES | 100 | 100 | 80 | 20 | SC576-50 | 1590Z080PL | SCGM4-50 | 1590Z080G | |
| 1590Z080BK | Black | YES | 100 | 100 | 80 | 20 | SC576-50 | 1590Z080PL | SCGM4-50 | 1590Z080G | |
| 1590Z080GY | Gray | YES | 100 | 100 | 80 | 20 | SC576-50 | 1590Z080PL | SCGM4-50 | 1590Z080G | |
| 1590Z119 | Natural | YES | 120 | 122 | 82 | 21 | SC564-12 | 1590Z119PL | SCGM6-20 | 1590Z119G | |
| 1590Z119BK | Black | YES | 120 | 122 | 82 | 21 | SC564-12 | 1590Z119PL | SCGM6-20 | 1590Z119G | |
| 1590Z119GY | Gray | YES | 120 | 122 | 82 | 21 | SC564-12 | 1590Z119PL | SCGM6-20 | 1590Z119G | |
| 1590Z120 | Natural | YES | 125 | 80 | 59 | 16 | SC1550Z107-50 | 1590Z120PL | SCGM4-50 | 1590Z120G | |
| 1590Z120BK | Black | YES | 125 | 80 | 59 | 16 | SC1550Z107-50 | 1590Z120PL | SCGM4-50 | 1590Z120G | |
| 1590Z120GY | Gray | YES | 125 | 80 | 59 | 16 | SC1550Z107-50 | 1590Z120PL | SCGM4-50 | 1590Z120G | |
| 1590Z090 | Natural | YES | 140 | 140 | 90 | 30 | SC564-12 | 1590Z090PL | SCGM6-20 | 1590Z090G | |
| 1590Z090BK | Black | YES | 140 | 140 | 90 | 30 | SC564-12 | 1590Z090PL | SCGM6-20 | 1590Z090G | |
| 1590Z090GY | Gray | YES | 140 | 140 | 90 | 30 | SC564-12 | 1590Z090PL | SCGM6-20 | 1590Z090G | |
| 1590Z063 | Natural | NO | 150 | 64 | 36 | 10 | SC1550Z103-50 | | SCG060-50 | 1590Z063G | |
| 1590Z063BK | Black | NO | 150 | 64 | 36 | 10 | SC1550Z103-50 | | SCG060-50 | 1590Z063G | |
| 1590Z063GY | Gray | NO | 150 | 64 | 36 | 10 | SC1550Z103-50 | | SCG060-50 | 1590Z063G | |
| 1590Z160 | Natural | YES | 160 | 160 | 90 | 20 | SC564-12 | 1590Z160PL | SCGM6-20 | 1590Z160G | |
| 1590Z160BK | Black | YES | 160 | 160 | 90 | 20 | SC564-12 | 1590Z160PL | SCGM6-20 | 1590Z160G | |
| 1590Z160GY | Gray | YES | 160 | 160 | 90 | 20 | SC564-12 | 1590Z160PL | SCGM6-20 | 1590Z160G | |
| 1590Z130 | Natural | NO | 175 | 80 | 52 | 12 | SC576-50 | | SCGM4-50 | 1590Z130G | |
| 1590Z130BK | Black | NO | 175 | 80 | 52 | 12 | SC576-50 | | SCGM4-50 | 1590Z130G | |
| 1590Z130GY | Gray | NO | 175 | 80 | 52 | 12 | SC576-50 | | SCGM4-50 | 1590Z130G | |
| 1590Z135 | Natural | NO | 175 | 80 | 60 | 20 | SC574-30 | | SCGM4-50 | 1590Z130G | |
| 1590Z135BK | Black | NO | 175 | 80 | 60 | 20 | SC574-30 | | SCGM4-50 | 1590Z130G | |
| 1590Z135GY | Gray | NO | 175 | 80 | 60 | 20 | SC574-30 | | SCGM4-50 | 1590Z130G | |
| 1590Z180 | Natural | YES | 180 | 180 | 100 | 30 | SC564-12 | 1590Z180PL | SCGM6-20 | 1590Z180G | |
| 1590Z180BK | Black | YES | 180 | 180 | 100 | 30 | SC564-12 | 1590Z180PL | SCGM6-20 | 1590Z180G | |
| 1590Z180GY | Gray | YES | 180 | 180 | 100 | 30 | SC564-12 | 1590Z180PL | SCGM6-20 | 1590Z180G | |
| 1590Z137 | Natural | YES | 200 | 80 | 60 | 20 | SC574-30 | 1590Z137PL | SCGM4-50 | 1590Z137G | |
| 1590Z137BK | Black | YES | 200 | 80 | 60 | 20 | SC574-30 | 1590Z137PL | SCGM4-50 | 1590Z137G | |
| 1590Z137GY | Gray | YES | 200 | 80 | 60 | 20 | SC574-30 | 1590Z137PL | SCGM4-50 | 1590Z137G | |
| 1590Z150 | Natural | YES | 221 | 121 | 81 | 21 | SC564-12 | 1590Z150PL | SCGM6-20 | 1590Z150G | |
| 1590Z150BK | Black | YES | 221 | 121 | 81 | 21 | SC564-12 | 1590Z150PL | SCGM6-20 | 1590Z150G | |
| 1590Z150GY | Gray | YES | 221 | 121 | 81 | 21 | SC564-12 | 1590Z150PL | SCGM6-20 | 1590Z150G | |
| 1590Z155 | Natural | YES | 221 | 121 | 90 | 30 | SC565-12 | 1590Z150PL | SCGM6-20 | 1590Z150G | |
| 1590Z155BK | Black | YES | 221 | 121 | 90 | 30 | SC565-12 | 1590Z150PL | SCGM6-20 | 1590Z150G | |
| 1590Z155GY | Gray | YES | 221 | 121 | 90 | 30 | SC565-12 | 1590Z150PL | SCGM6-20 | 1590Z150G | |
| 1590Z231 | Natural | YES | 200 | 230 | 110 | 20 | SC564-12 | 1590Z231PL | SCGM6-20 | 1590Z231G | |
| 1590Z231BK | Black | YES | 200 | 230 | 110 | 20 | SC564-12 | 1590Z231PL | SCGM6-20 | 1590Z231G | |
| 1590Z231GY | Gray | YES | 200 | 230 | 110 | 20 | SC564-12 | 1590Z231PL | SCGM6-20 | 1590Z231G | |
| 1590Z140 | Natural | YES | 250 | 80 | 57 | 15 | SC576-50 | 1590Z140PL | SCGM4-50 | 1590Z140G | |
| 1590Z140BK | Black | YES | 250 | 80 | 57 | 15 | SC576-50 | 1590Z140PL | SCGM4-50 | 1590Z140G | |
| 1590Z140GY | Gray | YES | 250 | 80 | 57 | 15 | SC576-50 | 1590Z140PL | SCGM4-50 | 1590Z140G | |
| 1590Z162 | Natural | YES | 260 | 160 | 90 | 20 | SC564-12 | 1590Z162PL | SCGM6-20 | 1590Z162G | |
| 1590Z162BK | Black | YES | 260 | 160 | 90 | 20 | SC564-12 | 1590Z162PL | SCGM6-20 | 1590Z162G | |
| 1590Z162GY | Gray | YES | 260 | 160 | 90 | 20 | SC564-12 | 1590Z162PL | SCGM6-20 | 1590Z162G | |
| 1590Z163 | Natural | YES | 260 | 160 | 160 | 20 | SC564-12 | 1590Z163PL | SCGM6-20 | 1590Z162G | |
| 1590Z163BK | Black | YES | 260 | 160 | 160 | 20 | SC564-12 | 1590Z163PL | SCGM6-20 | 1590Z162G | |
| 1590Z163GY | Gray | YES | 260 | 160 | 160 | 20 | SC564-12 | 1590Z163PL | SCGM6-20 | 1590Z162G | |

| Part Number | Color | Internal | | Length | Width | Total Depth | Lid Depth | Extra Lid Screws | Inner Panel | Extra Panel Screws | Replacement Gasket (Pack of 2) |
|-------------|---------|----------------|-------|--------|-------|-------------|-----------|------------------|-------------|--------------------|-----------------------------------|
| | | Mounting Shelf | Depth | | | | | | | | |
| 1590Z235 | Natural | YES | | 331 | 231 | 113 | 20 | SC599-12 | 1590Z235PL | SCGM6-20 | 1590Z235G |
| 1590Z235BK | Black | YES | | 331 | 231 | 113 | 20 | SC599-12 | 1590Z235PL | SCGM6-20 | 1590Z235G |
| 1590Z235GY | Gray | YES | | 331 | 231 | 113 | 20 | SC599-12 | 1590Z235PL | SCGM6-20 | 1590Z235G |
| 1590Z164 | Natural | YES | | 360 | 122 | 80 | 20 | SC599-12 | 1590Z164PL | SCGM6-20 | 1590Z164G |
| 1590Z164BK | Black | YES | | 360 | 122 | 80 | 20 | SC599-12 | 1590Z164PL | SCGM6-20 | 1590Z164G |
| 1590Z164GY | Gray | YES | | 360 | 122 | 80 | 20 | SC599-12 | 1590Z164PL | SCGM6-20 | 1590Z164G |
| 1590Z166 | Natural | YES | | 360 | 160 | 90 | 20 | SC564-12 | 1590Z166PL | SCGM6-20 | 1590Z166G |
| 1590Z166BK | Black | YES | | 360 | 160 | 90 | 20 | SC564-12 | 1590Z166PL | SCGM6-20 | 1590Z166G |
| 1590Z166GY | Gray | YES | | 360 | 160 | 90 | 20 | SC564-12 | 1590Z166PL | SCGM6-20 | 1590Z166G |
| 1590Z250 | Natural | YES | | 400 | 230 | 180 | 20 | SC599-12 | 1590Z250PL | SCGM6-20 | 1590Z250G |
| 1590Z250BK | Black | YES | | 400 | 230 | 180 | 20 | SC599-12 | 1590Z250PL | SCGM6-20 | 1590Z250G |
| 1590Z250GY | Gray | YES | | 400 | 230 | 180 | 20 | SC599-12 | 1590Z250PL | SCGM6-20 | 1590Z250G |

Tags: **thick wall, box, diecast, nema, continuous gasket, mounting holes, industrial, aluminum, inner panel, IP68, watertight, submersible, internal panel, screw down cover** *Data subject to change without notice*

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