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# 1590Z Diecast Aluminum Enclosures - NEMA 4X

Watertight, Thick Wall



Corrosion Resistant

Junction Boxes

## Application

- Designed for use as electronic instrument enclosures, electrical junction boxes or terminal wiring enclosures.

## Standards

- UL 508 Type 4X
- **Complies with**
  - IP66

## Construction

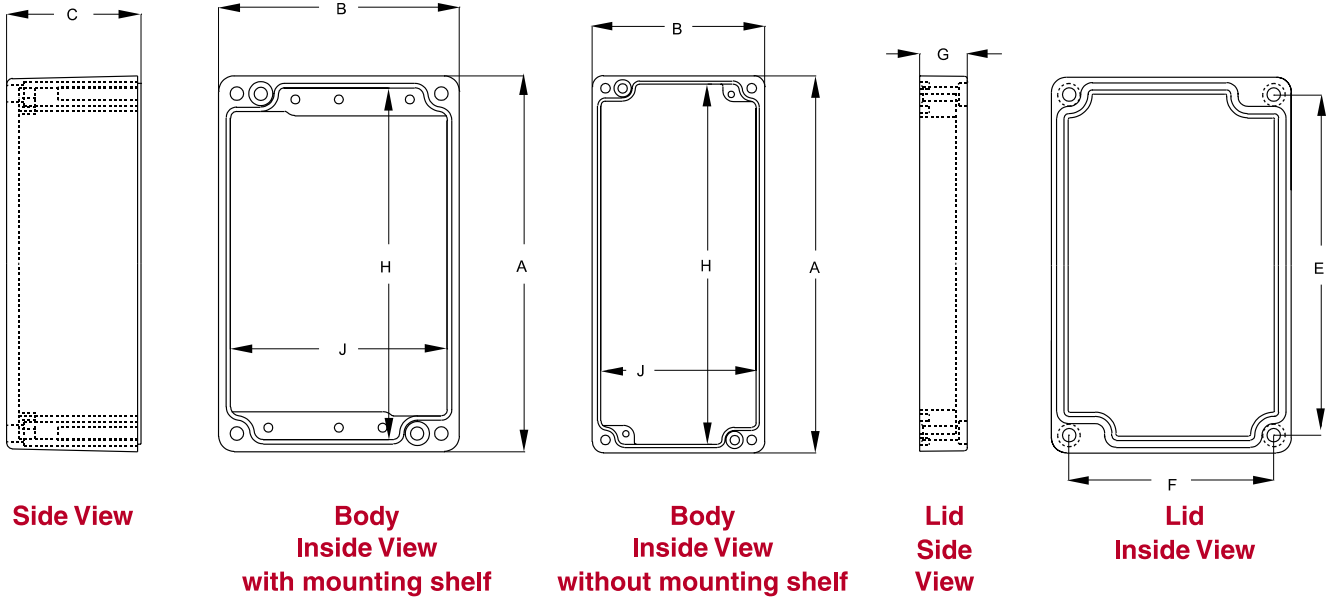
- Rugged diecast aluminum alloy BS1490, LM6.
- Two piece "tongue & groove" construction with a neoprene gasket provides protection against dust accumulation and water.
- Ideal for repetitive opening and closing.
- Four recessed stainless steel machine screws secure lid into tapped holes. Screws are self capturing using either individual neoprene "O" rings (outside the lid gasket seal) or using screw capturing lid.
- Copper ground screws and washers included.
- Easy wall mounting with "through box, blind hole" construction.
- Neoprene gasket mounts into cast lid groove.
- Models 1590Z100, 1590Z120, 1590Z150 and 1590Z160 include mounting shelves and 6 drilled and tapped holes for mounting or grounding.
- Models 1590Z110, 1590Z130 and 1590Z135 include 2 drilled and tapped holes for mounting or grounding.
- Models 1590Z135 and 1590X160 also include a drilled and tapped grounding hole in the lid.

## Finish

- Painted versions are finished in RAL 7001 gray or black powder coating inside and out.
- Unpainted versions are a natural unfinished aluminum.

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Corrosion Resistant Junction Boxes

Unpainted Part No.	Black Part No.	Gray Part No.	Units	(No Lid) Dimensions								Lid Grounding Screw	Shelf
				A	B	C	E	F	G	H	J		
1590Z060	1590Z060BK	1590Z060GY	inch	1.98	1.77	0.95	1.62	1.44	0.24	1.77	1.57	Yes	No
			mm	50	45	24	41	37	6	45	40		
1590Z061	1590Z061BK	1590Z061GY	inch	2.51	2.29	1.03	2.04	1.8	0.39	2.21	1.97	No	No
			mm	64	58	26	52	46	10	56	50		
1590Z062	1590Z062BK	1590Z062GY	inch	3.86	2.52	1.03	3.4	2	0.39	3.5	2.2	No	No
			mm	98	64	26	86	52	10	90	56		
1590Z100	1590Z100BK	1590Z100GY	inch	2.94	3.14	1.57	2.49	2.68	0.47	2.64	2.84	No	Yes
			mm	75	80	40	63	68	12	67	72		
1590Z110	1590Z110BK	1590Z110GY	inch	2.94	3.14	1.57	2.49	2.68	0.47	2.64	2.84	No	No
			mm	75	80	40	63	68	12	67	72		
1590Z119	1590Z119BK	1590Z119GY	inch	4.8	4.72	2.36	4.14	4.09	0.81	4.45	4.36	Yes	Yes
			mm	122	120	60	105	104	20	113	111		
1590Z120	1590Z120BK	1590Z120GY	inch	4.92	3.15	1.72	4.46	2.68	0.62	4.61	2.84	No	Yes
			mm	125	82	43	113	68	15	117	72		
1590Z063	1590Z063BK	1590Z063GY	inch	5.89	2.51	1.03	5.42	2.02	0.39	5.6	2.2	No	No
			mm	150	64	26	138	51	10	142	56		
1590Z130	1590Z130BK	1590Z130GY	inch	6.89	3.15	1.61	6.43	2.68	0.47	6.56	2.84	No	No
			mm	175	80	40	163	68	12	167	72		
1590Z135	1590Z135BK	1590Z135GY	inch	6.89	3.15	1.61	6.43	2.68	0.79	6.56	2.84	Yes	No
			mm	175	80	40	163	68	20	167	72		
1590Z160	1590Z160BK	1590Z160GY	inch	6.3	6.3	2.76	5.55	5.55	0.79	5.98	5.98	Yes	Yes
			mm	160	160	70	141	141	20	152	152		
1590Z150	1590Z150BK	1590Z150GY	inch	8.7	4.76	2.39	8.07	4.09	0.79	8.31	4.37	No	Yes
			mm	220	120	60	205	104	20	211	111		
1590Z162	1590Z162BK	1590Z162GY	inch	10.24	6.25	2.75	9.38	5.5	0.79	9.83	5.94	Yes	Yes
			mm	260	159	70	238	140	20	249	151		
1590Z231	1590Z231BK	1590Z231GY	inch	7.88	8.71	3.63	7.1	8.28	0.8	7.62	8.45	Yes	Yes
			mm	200	221	92	180	210	20	194	215		

Inches are for reference only. Use metric for precise measurements.

Technical references and DXF downloads available at [www.hamfmfg.com](http://www.hamfmfg.com)

All dimensions in inches unless specified otherwise

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