

HAMMOND Aluminum Watertight Enclosures



RoHS Compliant This product is RoHS compliant.

WATERTIGHT THICK WALL DIECAST ALUMINUM ENCLOSURES

- Captive stainless steel lid screws
- Neoprene oil and petrol resistant gasket standard. (-40°C up to +80°C)
- Degree of protection NEMA 4X, IP65, DIN 40050
- Temperature Range: -40°C up to +80°C
- Single-channel fastening system, trouble-free turning 90° to 90° with square enclosures by synchronous arrangement of channels
- Textured polyester powder coat, light gray RAL7032
- CSA certified, Type 4, for use with industrial control equipment

R100 Series



R110 Series



RoHS Compliant

MOUSER STOCK NO.		Dimensions: in.			Price Each			
Mfr.	Mfr. Part No.	L	W	H	1	10	25	50
546	R100-060-000	2.0	2.6	1.6	23.54	22.16	21.47	20.77
546	R100-062-000	2.6	2.6	1.6	27.09	25.50	24.69	23.91
546	R100-064-000	4.0	2.6	1.6	32.59	30.66	29.70	28.74
546	R100-066-000	6.0	2.6	1.6	42.88	40.36	39.09	37.82
546	R100-080-000	3.2	3.2	2.4	48.35	40.91	37.98	35.46
546	R100-082-000	4.8	3.2	2.4	51.94	48.88	47.35	45.82
546	R100-084-000	6.4	3.2	2.4	59.13	55.66	53.91	52.16
546	R100-100-000	4.0	4.0	3.2	60.20	56.67	54.90	53.13
546	R100-102-000	6.0	4.0	3.2	73.60	69.27	67.11	64.94
546	R100-104-000	8.0	4.0	3.2	87.01	81.88	79.32	76.76
546	R100-120-000	4.8	4.8	4.0	91.65	86.27	83.57	80.88
546	R100-122-000	7.2	4.8	4.0	103.85	97.74	94.68	91.63
546	R100-124-000	9.6	4.8	4.0	116.04	109.21	105.80	102.38
546	R100-160-000	6.4	6.4	4.0	120.24	113.17	109.63	106.09
546	R100-162-000	9.6	6.4	4.0	151.00	142.12	137.68	133.24
546	R100-164-000	12.8	6.4	4.0	181.17	170.51	165.19	159.85
546	R100-166-000	19.2	6.4	4.0	281.17	264.64	256.37	248.10
546	R100-200-000	8.0	8.0	4.8	269.23	253.38	245.47	237.55
546	R100-202-000	12.0	8.0	4.8	289.45	272.43	263.91	255.39
546	R100-204-000	16.0	8.0	4.8	421.60	396.81	384.40	372.01
546	R100-240-000	9.6	9.6	4.8	268.89	253.06	245.16	237.25
546	R100-242-000	14.4	9.6	4.8	347.10	326.68	316.47	306.26
546	R100-244-000	19.2	9.6	4.8	534.36	502.93	487.21	471.51
546	R100-320-000	12.8	12.8	4.8	452.31	425.71	412.40	399.11
546	R100-322-000	19.2	12.8	4.8	611.60	575.61	557.64	539.64
546	R100-324-000	25.6	12.8	4.8	737.77	694.39	672.68	650.98

EMI / RFI WATERTIGHT THICK WALL DIECAST ALUMINUM ENCLOSURES

- Captive stainless steel lid screws
- Neoprene oil and petrol resistant gasket standard (-40°C up to +80°C)
- Temperature Range: -40°C up to +80°C
- EMI/RFI gasket is NOT required as lid to box connection is inside the gasket seal; a patented system with special designed "teeth" in the enclosure bottom provides a lasting and corrosion-secure shield
- Degree of protection NEMA 4X, IP65, DIN 40050
- Textured polyester powder coat, light gray RAL7032
- CSA certified, Type 4, for use with industrial control equipment

MOUSER STOCK NO.		Dimensions: in.			Price Each			
Mfr.	Mfr. Part No.	L	W	H	1	10	25	50
546	R110-082-000	5.2	3.3	2.7	55.15	51.88	50.27	48.65
546	R110-083-000	7.2	3.3	2.7	59.54	56.04	54.29	52.54
546	R110-121-000	5.0	5.0	3.6	92.84	87.37	84.64	81.91
546	R110-123-000	9.0	5.0	3.6	111.25	104.72	101.45	98.16
546	R110-161-000	6.5	6.5	4.0	128.00	120.47	116.70	112.95
546	R110-162-000	10.5	6.5	4.0	146.46	137.83	133.53	129.22
546	R111-081-000	3.1	3.3	1.8	45.58	42.90	41.57	40.23
546	R111-082-000	5.2	3.3	1.8	51.37	48.35	46.85	45.32
546	R111-083-000	7.2	3.3	1.8	56.29	52.98	51.32	49.67
546	R111-123-000	9.0	5.0	2.4	94.71	89.13	86.36	83.57
546	R111-161-000	6.5	6.5	2.4	114.09	107.38	104.03	100.68
546	R111-162-000	10.5	6.5	2.6	133.48	125.63	121.68	117.76

EXTRUDED ALUMINUM CASES FOR MOBILE APPLICATIONS

- Case:**
- Sized for standard Eurocards
 - P.C. boards mount horizontally by sliding into internal slots extruded into the enclosure body
 - Internal height 1.06" (27mm)
 - Rugged body constructed from extruded aluminum with diecast aluminum ends
 - Silver anodized finish
 - Choice of two versions - one piece closed or two piece "clam shell"
- One piece version is rated to IP 65 (with gasketed end plates sold separately)
Two piece version is rated to IP 54 (with gasketed end plates sold separately)

Two Piece Version - R251 series (top)
One Piece Version - R250 series (bottom)



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- End Plates:**
- Choose either flat or collar (used for accepting cables or batteries) style end plates
 - Heavy duty diecast aluminum
 - Painted with textured black powder paint (RAL 9005)
 - Includes cover plates, thermoplastic black gaskets and mounting hardware

End Plates Attached
Flat Style End Plates (top)
Collar Style End Plates (bottom)

One Piece Version

MOUSER STOCK NO.		Dimensions: in.			Price Each			
Mfr.	Mfr. Part No.	L	W	H	1	10	25	50
546	R250-080-120	4.7	4.7	3.2	54.82	51.59	49.98	48.37
546	R250-080-160	4.7	6.3	3.2	60.88	57.29	55.50	53.72
546	R250-100-160	5.4	6.3	3.9	63.33	59.61	57.75	55.88
546	R250-100-200	5.4	7.9	3.9	70.06	65.92	63.87	61.81
546	R250-130-180	6.6	7.1	5.1	70.06	65.92	63.87	61.81
546	R250-130-240	6.6	9.5	5.1	81.38	76.59	74.21	71.81

Flat End Plate with Gasket (Sold in Pairs)

MOUSER STOCK NO.		Price Per Pair		
Mfr.	Mfr. Part No.	1	10	25
546	R580-080-000	41.40	38.96	37.75
546	R580-080-000	41.40	38.96	37.75
546	R580-100-000	41.75	39.29	38.07
546	R580-100-000	41.75	39.29	38.07
546	R580-130-000	65.13	61.30	59.39
546	R580-130-000	65.13	61.30	59.39

Collar End Plate with Gasket (Sold in Pairs)

MOUSER STOCK NO.		Price Per Pair		
Mfr.	Mfr. Part No.	1	10	25
546	R581-080-000	69.35	65.28	63.22
546	R581-080-000	69.35	65.28	63.22
546	R581-100-000	69.69	65.59	63.54
546	R581-100-000	69.69	65.59	63.54
546	R581-130-000	73.97	69.61	67.45
546	R581-130-000	73.97	69.61	67.45

Two Piece Version

MOUSER STOCK NO.		Dimensions: in.			Price Each			
Mfr.	Mfr. Part No.	L	W	H	1	10	25	50
546	R251-080-120	4.7	4.7	3.2	83.52	78.60	76.15	73.71
546	R251-080-160	4.7	6.3	3.2	96.84	91.14	88.29	85.46
546	R251-100-160	5.4	6.3	3.9	99.94	94.05	91.11	88.17
546	R251-100-200	5.4	7.9	3.9	113.92	107.21	103.86	100.52
546	R251-130-180	6.6	7.1	5.1	116.19	109.34	105.93	102.51
546	R251-130-240	6.6	9.5	5.1	131.22	123.51	119.64	115.80

Flat End Plate with Gasket (Sold in Pairs)

MOUSER STOCK NO.		Price Per Pair		
Mfr.	Mfr. Part No.	1	10	25
546	R580-080-000	41.40	38.96	37.75
546	R580-080-000	41.40	38.96	37.75
546	R580-100-000	41.75	39.29	38.07
546	R580-100-000	41.75	39.29	38.07
546	R580-130-000	65.13	61.30	59.39
546	R580-130-000	65.13	61.30	59.39

Collar End Plate with Gasket (Sold in Pairs)

MOUSER STOCK NO.		Price Per Pair		
Mfr.	Mfr. Part No.	1	10	25
546	R581-080-000	69.35	65.28	63.22
546	R581-080-000	69.35	65.28	63.22
546	R581-100-000	69.69	65.59	63.54
546	R581-100-000	69.69	65.59	63.54
546	R581-130-000	73.97	69.61	67.45
546	R581-130-000	73.97	69.61	67.45

VARIABLE END PLATE WITH GASKET

- Heavy duty diecast aluminum
- Painted with textured black powder paint (RAL 9005)
- Includes cover plates, thermoplastic black gaskets and mounting hardware
- Sold in set to connect two extrusions side by side

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MOUSER STOCK NO.		Joins Aluminum Extrusion Series	Price Each			
Mfr.	Mfr. Part No.		1	10	25	50
546	R588-080-080	R250-080 or R251-080 to R250-080 or R251-080	96.24	90.59	87.75	84.92
546	R588-080-100	R250-080 or R251-080 to R250-100 or R251-100	93.53	88.03	85.28	82.52
546	R588-080-130	R250-080 or R251-080 to R250-130 or R251-130	94.01	88.50	85.73	82.97
546	R588-100-100	R250-100 or R251-100 to R250-100 or R251-100	93.53	88.03	85.28	82.52
546	R588-100-130	R250-100 or R251-100 to R250-130 or R251-130	94.01	88.48	85.73	82.97
546	R588-130-130	R250-130 or R251-130 to R250-130 or R251-130	94.51	88.96	86.18	83.41

Variable End Plate

Variable End Plate in Use

