

# Enclosures



# Enclosures

DEM Manufacturing Ltd. offer an extensive range of enclosures and custom engineered solutions. All boxes can be supplied with close fitting lids providing excellent screening against EMI/RFI, ideal housing for electronic components and circuits.

- ABS and Aluminium enclosures to meet your requirements
- Aluminium boxes available in five standard finishes: Plain, Powder Coated Grey and Nylon Coated Grey, Blue and Black
- Custom colours and finishes available to your specification
- Flanged range with pre-drilled external mounting flanges
- IP66 sealed range
- Custom engineered solutions



## All Purpose Aluminium Box

Aluminium die cast boxes complete with close fitting lids, secured by four, six or eight countersunk screws ensuring excellent EMI/RFI screening.

PCB guide	BOX SIZE (MM)			ORDER CODE		
	L	W	H	Plain	Powder Coated Grey	Nylon Coated
	88.9	34.9	29.5	459-0010	461-0010	462-0010 **
	114.5	64	29.5	459-0020	461-0020	462-0020 **
	115.7	90.5	54.9	459-0030	461-0030	462-0030 **
	115.3	64.5	54.9	459-0040	461-0040	462-0040 **
	171.5	120.6	54.9	459-0050	461-0050	462-0050 **
	171.5	120.6	105.7	459-0060	461-0060	462-0060 **
	222.3	146	55	459-0070	461-0070	462-0070 **
	222.3	146	105.7	459-0080	461-0080	462-0080 **
•	275	175	65	459-0090	461-0090	462-0090 **
•	139.7	101.6	76	459-0100	461-0100	462-0100 **
•	165	127	76	459-0110	461-0110	462-0110 **
•	120	100	35	459-0120	461-0120	462-0120 **
•	250	250	100	459-0130	461-0130	462-0130 **
•	80	55	25	459-0140	461-0140	462-0140 **
•	60	55	30	459-0150	461-0150	462-0150 **

• Boxes with PCB guides \*\* Colour Option - Code Suffix: Grey = A Blue = B Black = E



## Sealed Aluminium Box

Self-adhesive rubber seals providing IP66 rating when attached to the box lids.

PCB guide	BOX SIZE (MM)			ORDER CODE		
	L	W	H	Plain	Powder Coated Grey	Nylon Coated
	88.9	34.9	30.5	460-0010	453-0010	454-0010 **
	114.5	64	30.5	460-0020	453-0020	454-0020 **
	115.7	90.5	55.9	460-0030	453-0030	454-0030 **
	115.3	64.5	55.9	460-0040	453-0040	454-0040 **
	171.5	120.6	55.9	460-0050	453-0050	454-0050 **
	171.5	120.6	106.7	460-0060	453-0060	454-0060 **
	222.3	146	56	460-0070	453-0070	454-0070 **
	222.3	146	106.7	460-0080	453-0080	454-0080 **
•	275	175	66	460-0090	453-0090	454-0090 **
•	139.7	101.6	77	460-0100	453-0100	454-0100 **
•	165	127	77	460-0110	453-0110	454-0110 **
•	120	100	36	460-0120	453-0120	454-0120 **
•	250	250	101	460-0130	453-0130	454-0130 **
•	80	55	26	460-0140	N/A	N/A
•	60	55	31	460-0150	N/A	N/A

• Boxes with PCB guides \*\* Colour Option - Code Suffix: Grey = A Blue = B Black = E





## Flanged Aluminium Box

Pre-drilled external mounting flanges for quick and easy mounting, whilst retaining full EMI/RFI screening properties.

PCB guide	BOX SIZE (MM)				ORDER CODE		
	L	L (exc Flg)	W	H	Plain	Powder Coated Grey	Nylon Coated
•	114.3	89.2	35.1	29.5	455-0010	457-0010	458-0010 **
•	139.7	114.1	63.6	29.5	455-0020	457-0020	458-0020 **
•	139.7	114.2	89.1	54.9	455-0030	457-0030	458-0030 **
•	139.7	114.7	63.7	54.9	455-0040	457-0040	458-0040 **
•	202	171.8	120.8	54.9	455-0050	457-0050	458-0050 **
•	202	171.8	120.8	105.7	455-0060	457-0060	458-0060 **
•	252	222.6	146.4	55	455-0070	457-0070	458-0070 **
•	170	140	101.6	76	455-0100	457-0100	458-0100 **
•	120	120	100.2	35	455-0120	457-0120	458-0120 **

• Boxes with PCB guides \*\* Colour Option - Code Suffix: Grey = A Blue = B Black = E



## Sealed & Flanged Aluminium Box

Self-adhesive rubber seals providing IP66 rating when attached to the box lids. In addition pre-drilled external mounting flanges offer quick and easy mounting.

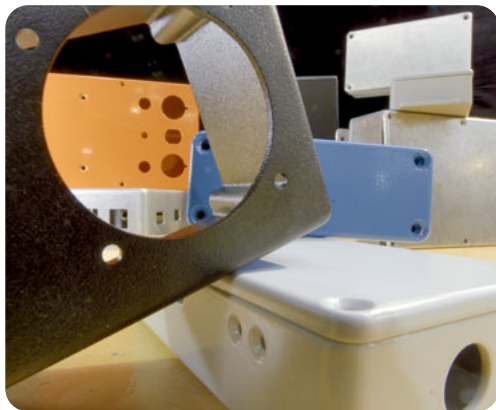
PCB guide	BOX SIZE (MM)				ORDER CODE		
	L	L (exc Flg)	W	H	Plain	Powder Coated Grey	Nylon Coated
•	114.3	89.2	35.1	30.5	456-0010	463-0010	464-0010 **
•	139.7	114.1	63.6	30.5	456-0020	463-0020	464-0020 **
•	139.7	114.2	89.1	55.9	456-0030	463-0030	464-0030 **
•	139.7	114.7	63.7	55.9	456-0040	463-0040	464-0040 **
•	202	171.8	120.8	55.9	456-0050	463-0050	464-0050 **
•	202	171.8	120.8	106.7	456-0060	463-0060	464-0060 **
•	252	222.6	146.4	56	456-0070	463-0070	464-0070 **
•	170	140	101.6	77	456-0100	463-0100	464-0100 **
•	150	120	100.2	36	456-0120	463-0120	464-0120 **

• Boxes with PCB guides \*\* Colour Option - Code Suffix: Grey = A Blue = B Black = E



## Custom Solutions

DEM Manufacturing Ltd offer bespoke solutions for customers who recognise the benefits in purchasing a total solution from a single source. We provide a range of aluminium enclosures and ABS boxes which can be machined and finished to your exact specification. We are also happy to provide these services for 3rd party enclosures. Our investment in new machinery and technology to support this service includes a new 4 axis machining centre (XYZ 1010VMC) with Siemens 810D controller. This machine centre is capable of completing most applications in a single cycle, lowering setup times, batch sizes and reducing lead times to our customers. Combine this with the SolidWorks and EdgeCAM capabilities and we have a full service solution – from design through to delivery.



## Design

DEM Manufacturing can offer your business full CAD design services using Solidworks CAD software.

## Production

Design can be transferred directly to our machining centres including our newly installed 4 Axis machine using Edgecam software.

## Quality

Our modern facilities are supported by our traditional tool making knowledge and experience to deliver a quality product to your exact specifications.

## About Us

DEM Manufacturing Ltd., part of Alpha 3 Manufacturing Group, manufacture a range of electromechanical solutions serving an international customer base of well-known distributors and OEM's. We manufacture under 4 brands: Roxburgh EMC, Deltron Components, Media and Bes.

## Contact Us

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