



HAMMOND
MANUFACTURING™



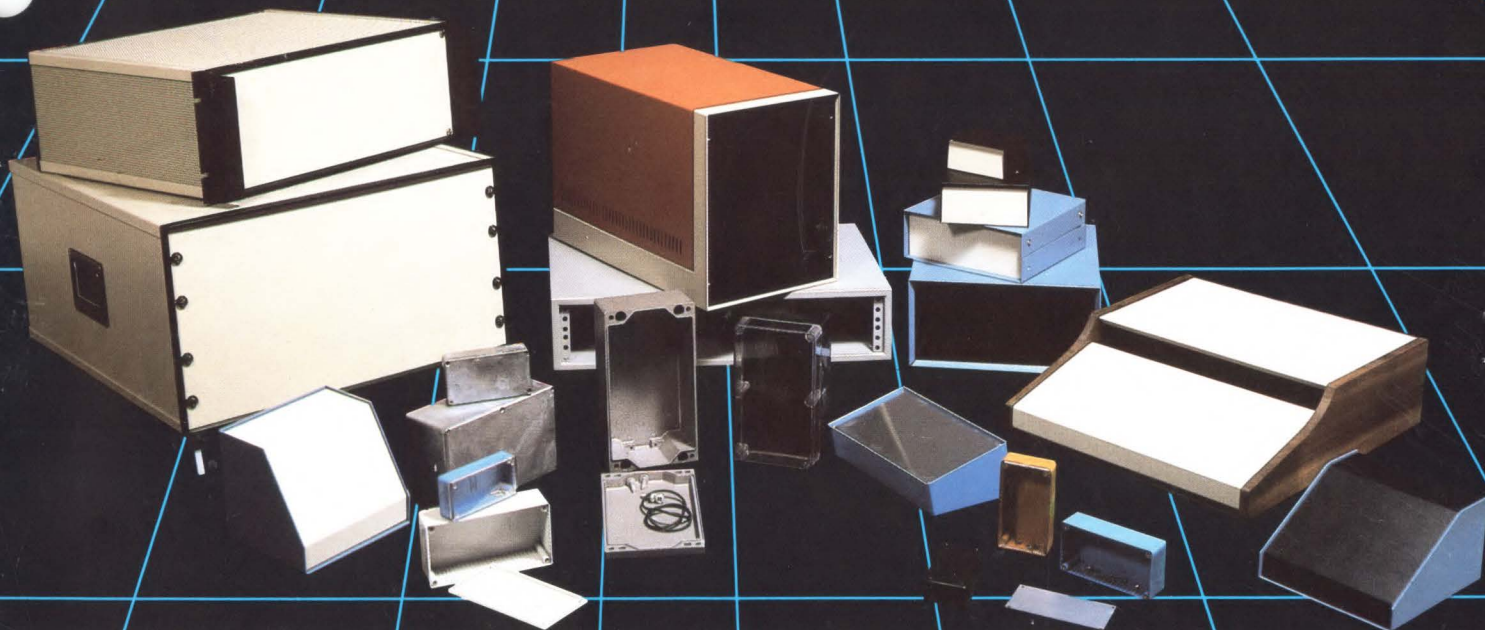
SMALL
CASES



Hickey
Industrial
Sales, Corp.

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Redwood City, Ca. 94063

(415) 368-3849



Electronic Rack Packaging Color Chart

PAINTS

Please specify the finish you require on parts and accessories by adding these 3-digit suffixes to catalogue numbers eg. a textured Gulf Blue side panel is ordered as RSSB 00 021 17 GF1. Customer colors are available on special factory order.

Note: — 1 designates Textured finish
— 2 designates Smooth Semi Gloss finish
— 3 designates Satin finish on basic rack only

— 4 designates *Laminate finish which is used on woodcore desktops, rack tops and writing surfaces only



LAMINATES

These are Arborite® high pressure laminates type GP. Not available as a substitute for painted surfaces.



These are printed reproductions of actual paint colors and therefore should be used as a color guide only.

Arborite® No. S-477 for wood core surfaces only.

Arborite® No. 49-W-335 for wood core surfaces only.

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Important Note on U height

Rack panel or U height is an industry wide reference dimension used for ordering racks and accessories. It refers to the height of the space (1u = 1.75") that can be filled by panels, not the overall height. Overall height can be greater than panel height. Please refer to dimension tables if you require overall height for calculation of space requirements.

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LIMITED WARRANTY

We warranty Hammond products to be free from defects in workmanship or material, and will, without charge, replace or repair within one year from date of shipment from our factory any products that may be found defective upon inspection at our factory. This warranty does not obligate us where products have been subjected to careless handling, improper application or faulty installation, and we expressly disclaim any obligation, warranty or liability whatsoever except as above stated.

Hammond Products are continually being revised and improved, to use the best materials available. For this reason, Hammond Manufacturing Company Limited reserves the right to modify existing electrical or mechanical characteristics of any catalog item without notice.

Dimensions shown in the catalog are nominal, subject to normal manufacturing tolerances.

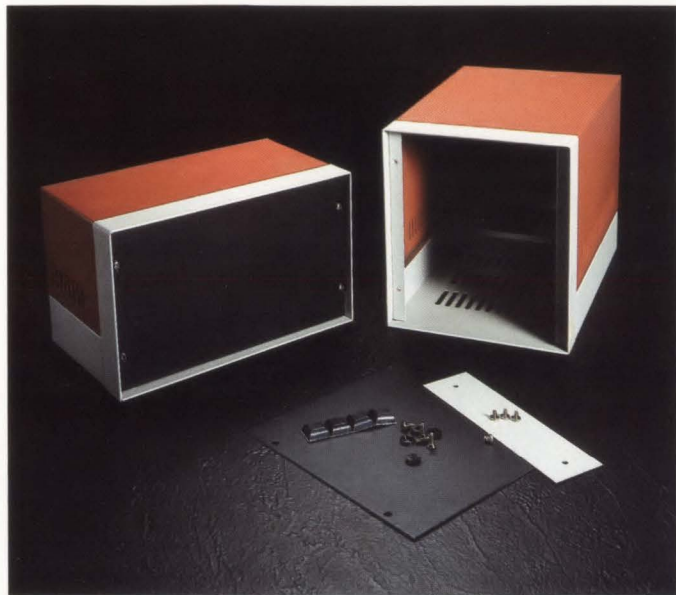
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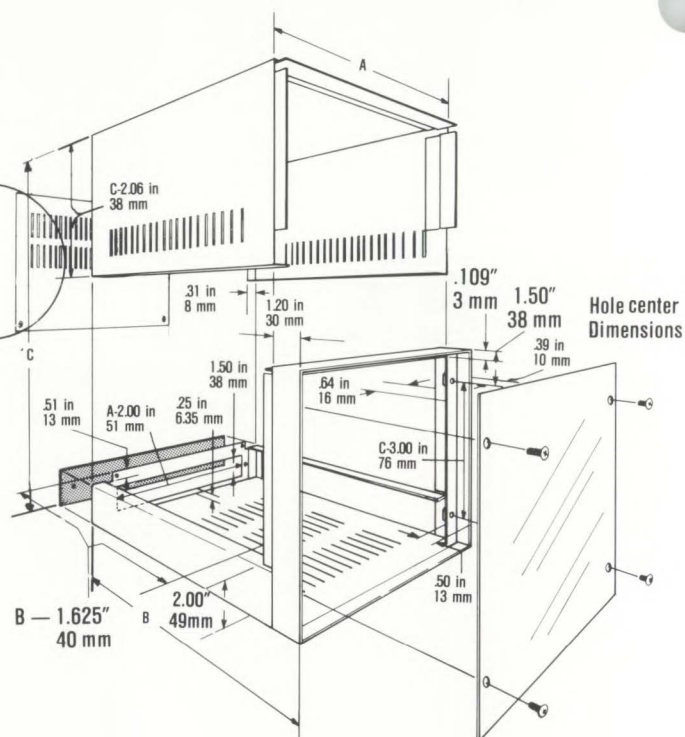
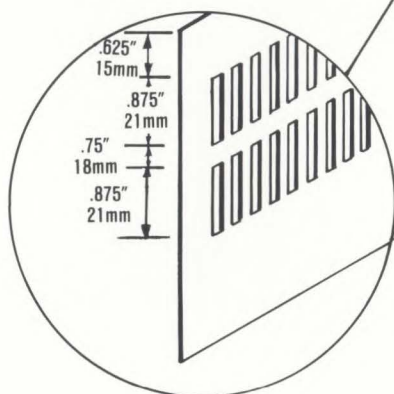
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1452 series



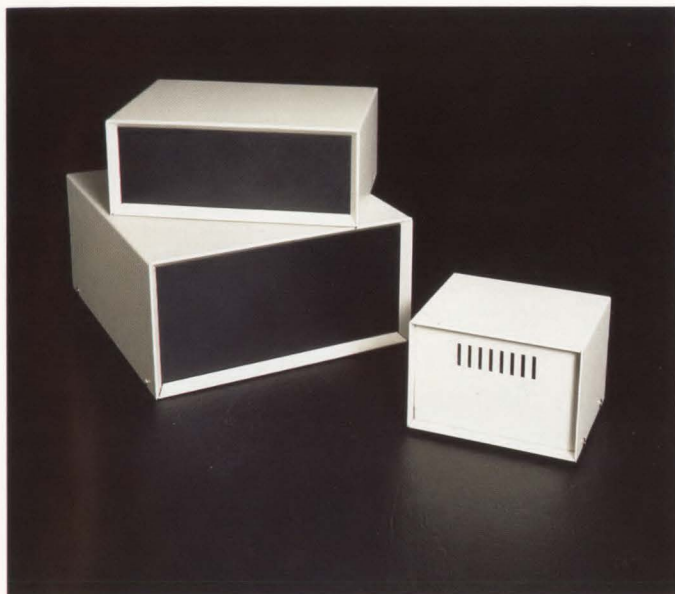
- 20 and 18 gauge CRS enclosure finished in sand and chestnut colored textured paints.
- .064" thick aluminum panel painted satin black one side only.
- Phillips, nickel plated screws and self-adhesive rubber feet included.

Cat. No.	inches			mm		
	A	C	B	A	C	B
1452 DE 11	7.5	8.5	10.9	191	216	277
1452 FF 13	9.5	9.5	12.9	241	241	328
1452 FH 17	9.5	11.5	16.9	241	292	429
1452 GC 6	10.5	6.5	5.9	267	165	150
1452 HD 7	11.5	7.5	6.9	292	191	175
1452 KE 9	13.5	8.5	8.9	343	216	226
1452 PG 9	17.5	10.5	8.9	445	267	226



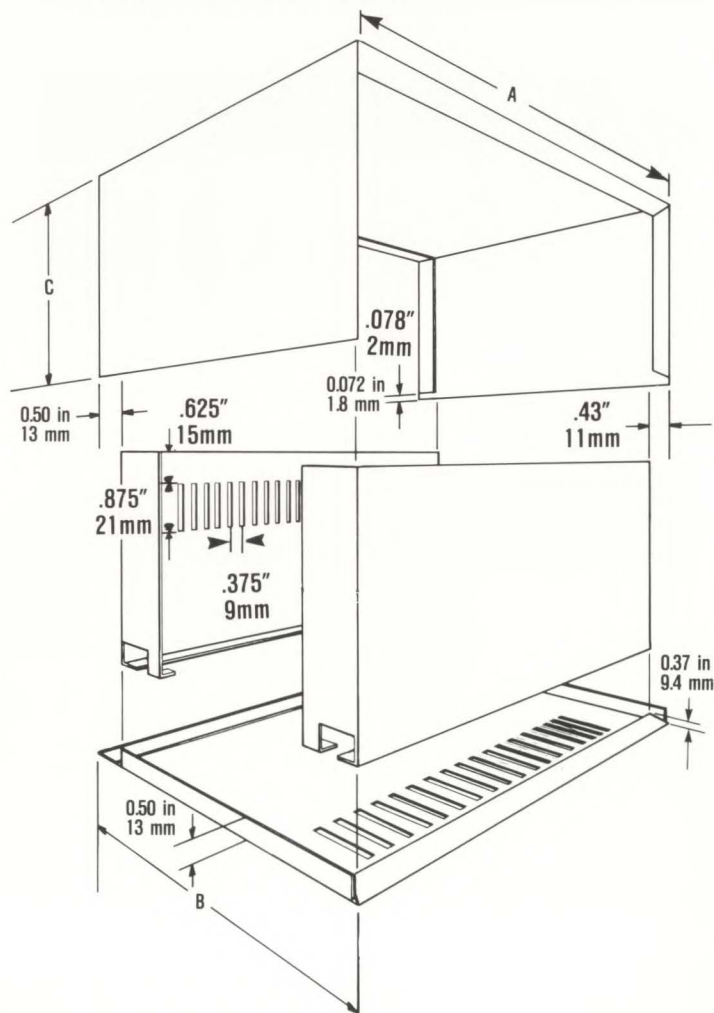
Note: B does not include
Back panel thickeners.

1426 series

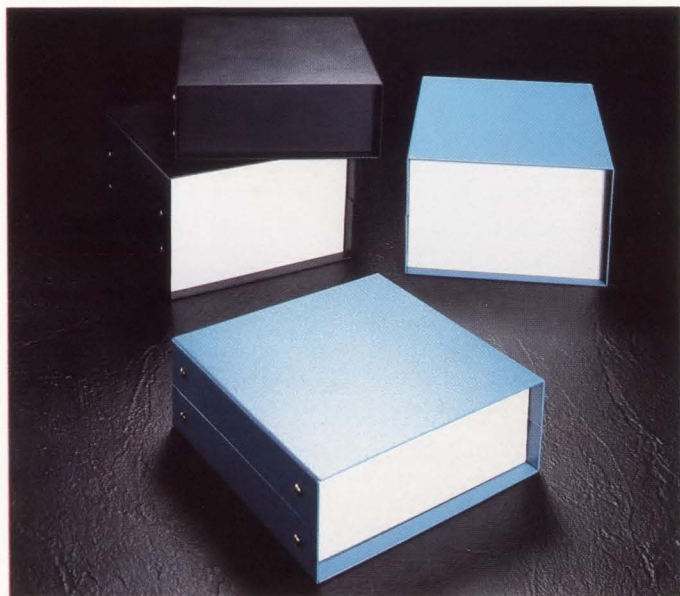


- 20 gauge CRS enclosure finished in sand or gulf blue textured paints.
- .064" thick aluminum panels front and rear.
- front panel is satin black, rear panel matches case color.

Sandtex Cat. No.	Bluetex Cat. No.	Inches			mm		
		A	B	C	A	B	C
1426 K	1426 K-B	6.0	5.0	4.0	152	127	102
1426 M	1426 M-B	8.0	6.0	4.0	203	152	102
1426 O	1426 O-B	10.0	7.0	4.0	254	178	102
1426 Q	1426 Q-B	11.0	11.7	5.5	279	297	140
1426 S	1426 S-B	12.0	6.0	4.0	305	152	102
1426 V	1426 V-B	12.0	8.0	4.0	305	203	102
1426 W	1426 W-B	12.0	10.0	4.0	305	254	102
1426 Y	1426 Y-B	12.0	6.0	5.5	305	152	140

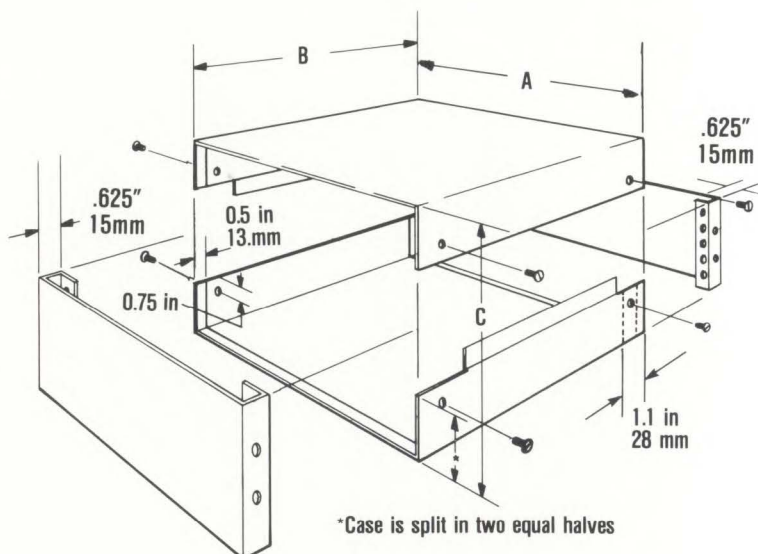


1458 series

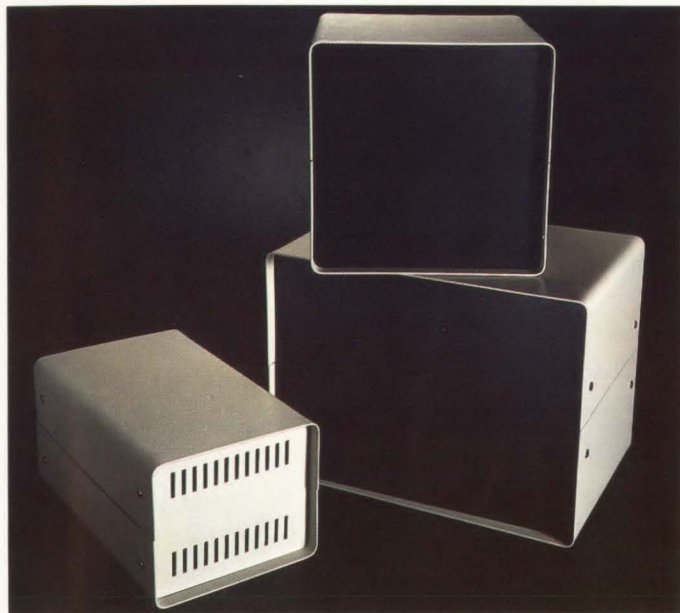


- 20 gauge CRS case with black or gulf blue baked-on textured finished.
- .064" thick aluminum panels (one satin black and one smoke white for each case).
- symetrical design so either end can be front.
- 6-32 Phillips nickel plated screws and self-adhesive rubber feet included.

Blacktex Cat. No.	Bluetex Cat. No.	Inches			mm		
		A	B	C	A	B	C
1458 A3	1458 A3B	4.0	4.0	3.0	101	101	76.2
1458 B4	1458 B4B	6.0	4.0	4.0	152	101	101
1458 C3	1458 C3B	6.0	6.0	3.0	152	152	76.2
1458 C4	1458 C4B	6.0	6.0	4.0	152	152	101
1458 D3	1458 D3B	8.0	8.0	3.0	203	203	76.2
1458 D4	1458 D4B	8.0	8.0	4.0	203	203	101
1458 D5	1458 D5B	8.0	8.0	5.0	203	203	127
1458 E3	1458 E3B	8.0	10.0	3.0	203	254	76.2
1458 E4	1458 E4B	8.0	10.0	4.0	203	254	101
1458 E5	1458 E5B	8.0	10.0	5.0	203	254	127
1458 G3	1458 G3B	10.0	8.0	3.0	254	203	76.2
1458 G4	1458 G4B	10.0	8.0	4.0	254	203	101
1458 G5	1458 G5B	10.0	8.0	5.0	254	203	127

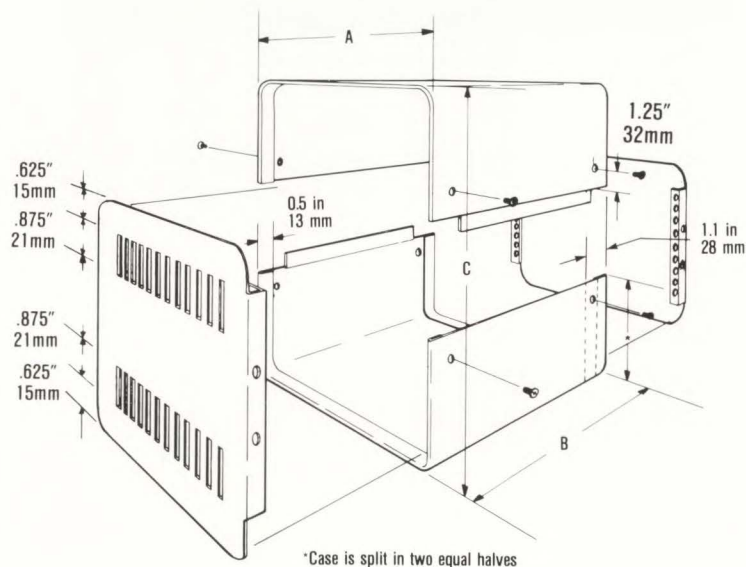


SMALL CASES

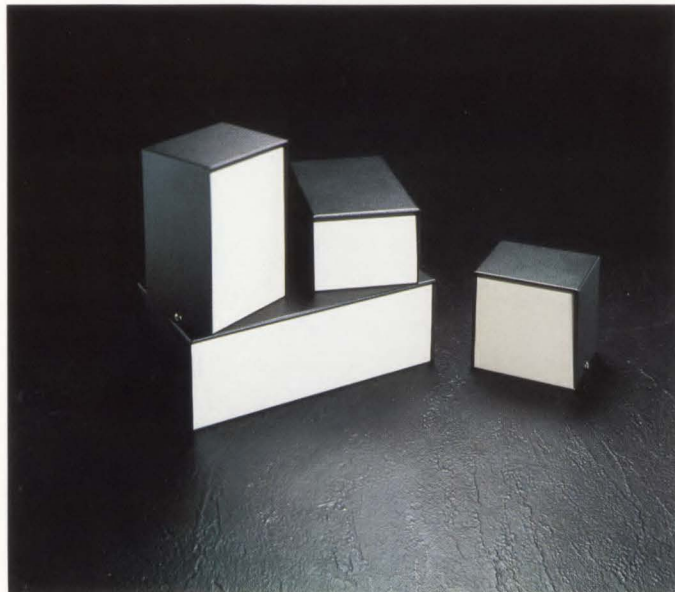


- 20 gauge CRS case with sand colored baked-on textured finish.
- .064" thick aluminum panels, one satin black and one sand for each case.
- Rear panel (sand) is vented top and bottom.
- 6-32 Phillips nickel plated screws and self-adhesive rubber feet included.

Cat. No.	Inches			mm		
	A	B	C	A	B	C
1401 AAA	4	6	4.0	101	152	101
1401 AA	6	6	5.0	152	152	127
1401 A	6	10	5.0	152	254	127
1401 C	8	10	9.0	203	254	229
1401 E	8	8	8.0	203	203	203
1401 G	10	12	9.0	254	305	229
1401 K	10	14	6.5	254	356	165
1401 M	12	8	9.0	305	203	229
1401 N	14	8	9.0	356	203	229
1401 P	14	10	5.0	356	254	127

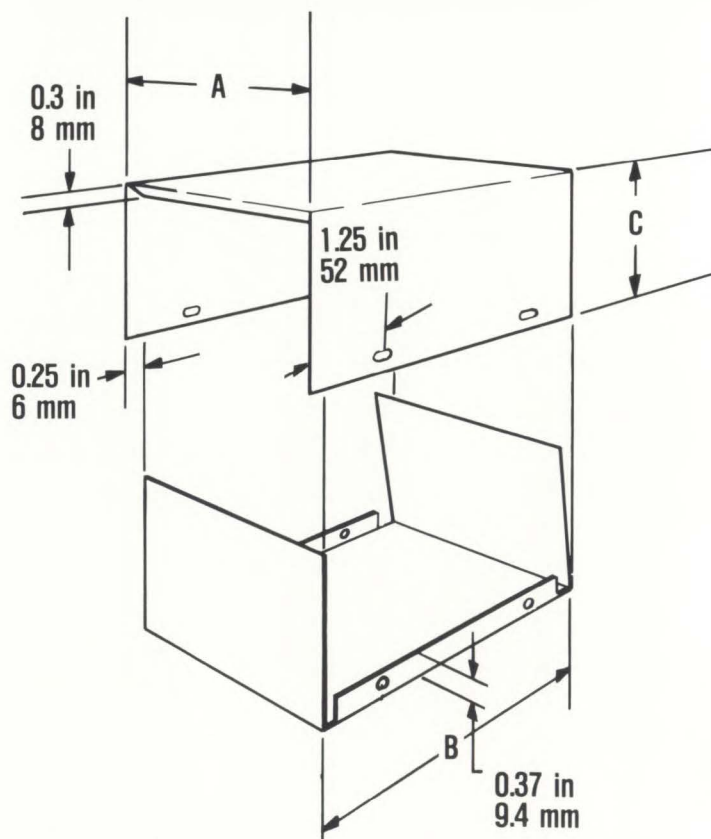


1454 series



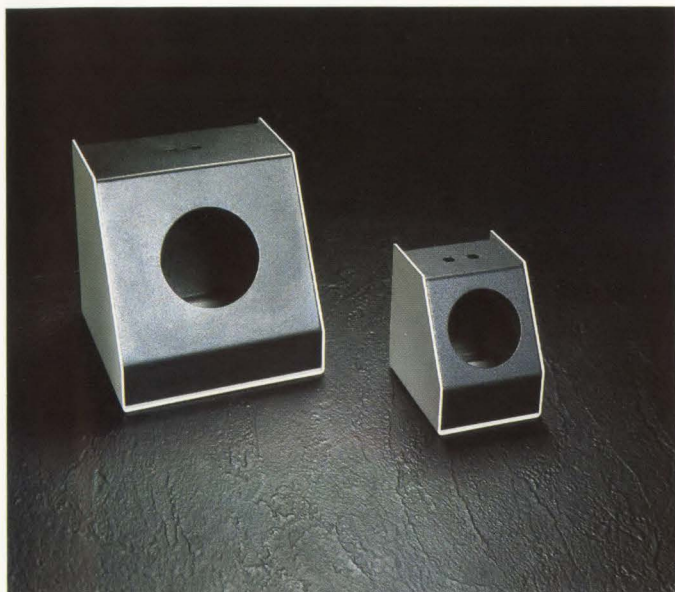
- 20 gauge CRS.
- Semi-gloss sand colored panels with textured black covers.
- 6-32 Phillips nickel plated screws and self-adhesive rubber feet included.
- choice of sloping or vertical front panels by reversing case.

Cat. No.	Inches			mm		
	A	B	C	A	B	C
1454 C	4.0	2.5	2.0	102	64	51
1454 E	4.0	5.0	2.0	102	127	51
1454 F	4.0	6.0	3.0	102	152	76
1454 G	6.0	2.5	2.0	152	64	51
1454 H	5.0	7.5	2.5	127	191	64
1454 J	4.0	3.0	4.0	102	76	102
1454 K	8.0	3.5	2.5	203	89	64
1454 L	5.0	6.0	4.0	127	152	102
1454 M	4.0	3.0	6.0	102	76	152
1454 P	10.0	5.0	3.5	254	127	89
1454 R	5.0	5.0	7.5	127	127	191



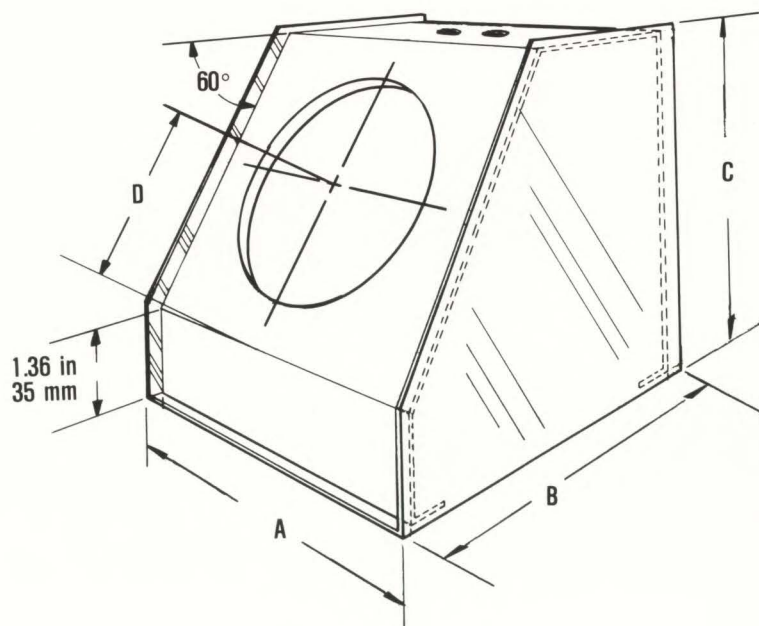
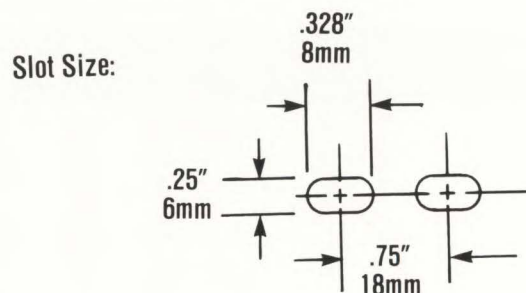
Models with "B" dimension less than 5 inches (127 mm) have only one hole per side, centred in "B".

1412 series

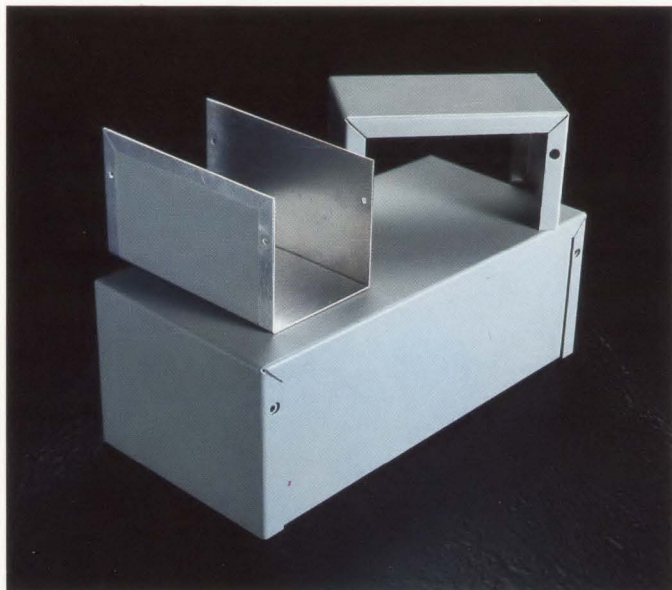


- All aluminum case will not affect meter accuracy.
- Punched to accept binding posts.
- .081" thick aluminum.
- 4 self-adhesive rubber feet included.
- Finished in sandtex and satin black combination.

Cat. No.		A	B	C	D	Hole Dia.
1412 E	in mm	3.1 79	3.7 94	4.2 107	1.5 38	2.18 55
1412 F	in mm	4.1 104	4.7 119	5.0 127	2.0 51	2.93 74
1412 G	in mm	6.1 155	6.0 152	6.2 157	2.7 69	2.93 74

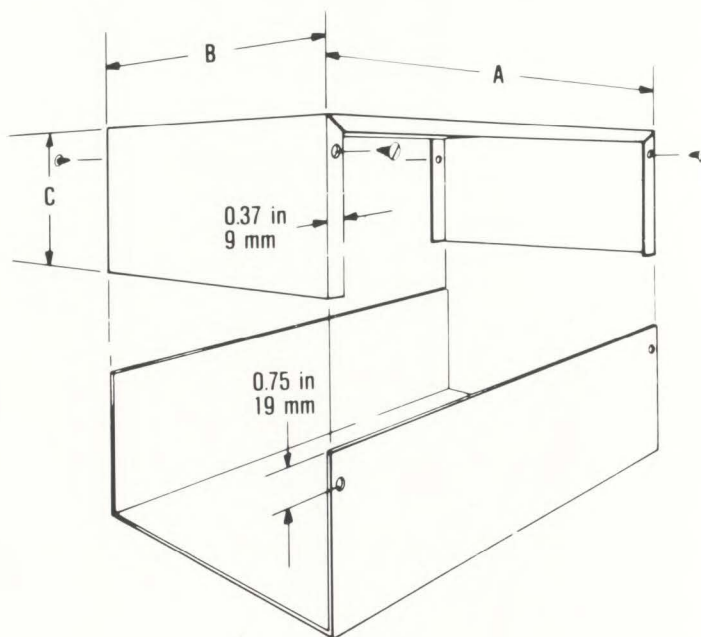


1411 series

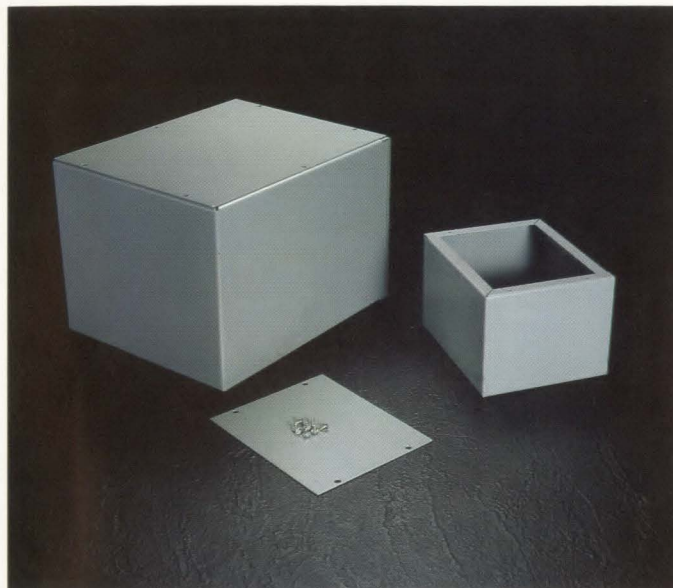


- .040" thick aluminum.
- ASA 61 grey baked enamel (outside only).
- 4 self-tapping screws included.

Cat. No.	Inches			mm		
	A	B	C	A	B	C
1411 B	2.7	2.2	1.6	69	56	41
1411 C	3.2	2.2	1.1	81	56	28
1411 D	3.2	2.2	1.6	81	56	41
1411 F	4.0	2.2	3.0	102	56	76
1411 G	4.0	2.2	1.6	102	56	41
1411 H	4.0	2.2	2.2	102	56	56
1411 K	5.0	2.2	2.2	127	56	56
1411 L	5.0	4.0	3.0	127	102	76
1411 M	6.0	3.0	3.0	152	76	76
1411 N	5.0	3.0	2.2	127	76	56
1411 P	6.0	5.0	4.0	152	127	102
1411 Q	7.0	5.0	3.0	178	127	76
1411 R	8.0	6.0	3.5	203	152	89
1411 S	8.0	4.0	3.0	203	102	76
1411 T	10.0	2.2	1.6	254	56	76
1411 U	10.0	6.0	3.5	254	152	89
1411 W	12.0	3.0	2.2	305	76	56
1411 X	12.0	7.0	4.0	305	178	102
1411 Z	17.0	5.0	4.0	432	127	102

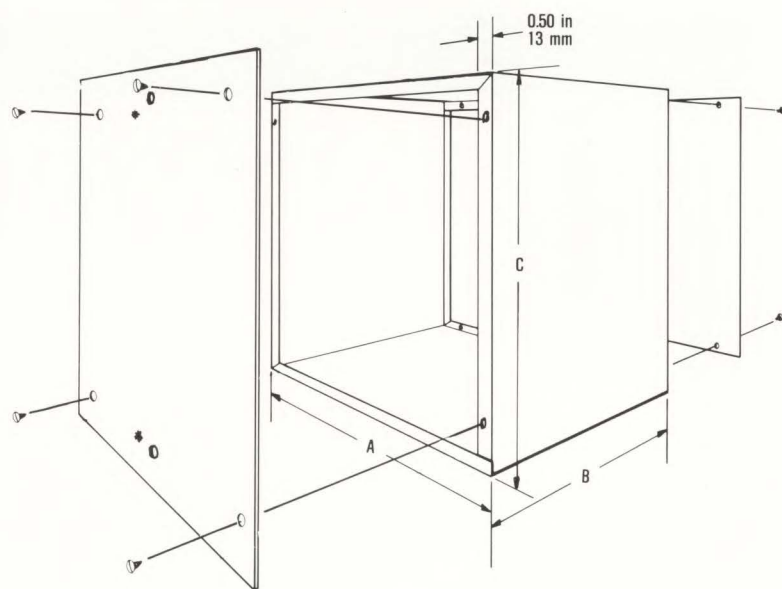


1415 series



- 18 or 20 gauge CRS.
- ASA 61 grey baked enamel.

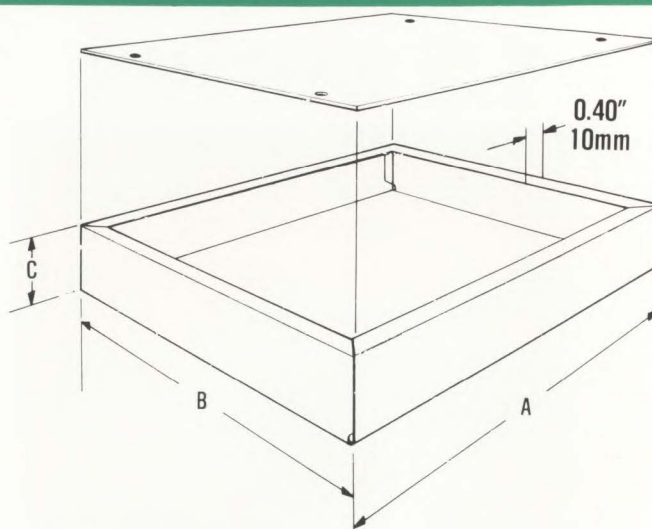
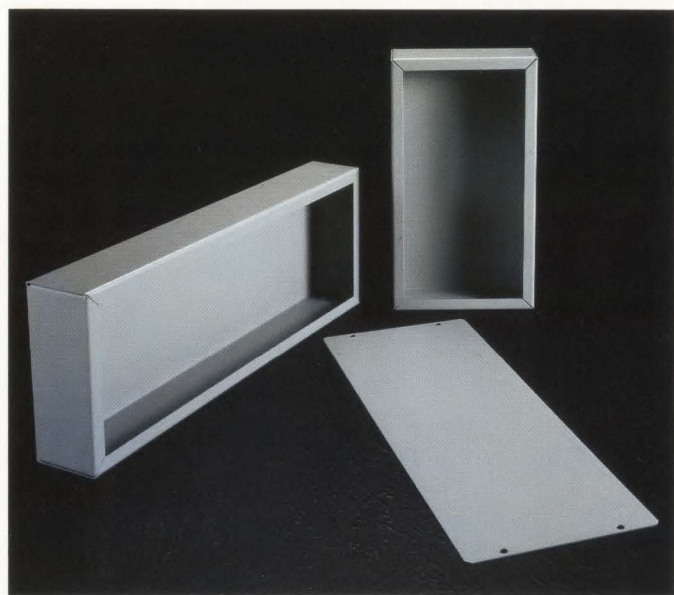
Cat. No.	Inches			mm		
	A	B	C	A	B	C
1415 A	4	2	4	102	51	102
1415 B	4	3	5	102	76	127
1415 C	6	4	5	152	102	127
1415 D	6	6	6	152	152	152
1415 E	9	5	6	229	127	152
1415 F	10	7	8	254	178	203
1415 G	12	6	7	305	152	178
1415 I	12	8	11	305	203	279



Models A, B, C & D have 4 Mtg. holes.
*Models E to I have 6 Mtg. holes.

SMALL CASES

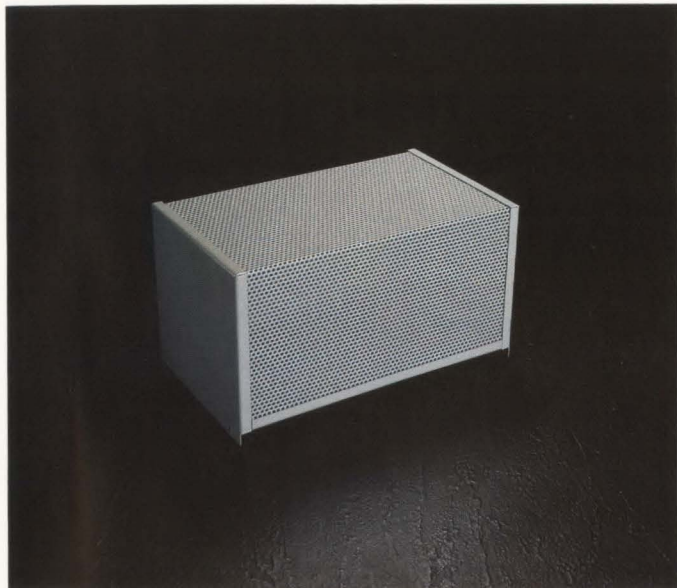
1431, 34 series 1441, 44 series



- welded heavy duty construction chassis.
- steel models are painted ASA 61 grey baked enamel.
- Aluminum models are natural finish.
- Cover plates are punched with 4 holes (no hardware provided).

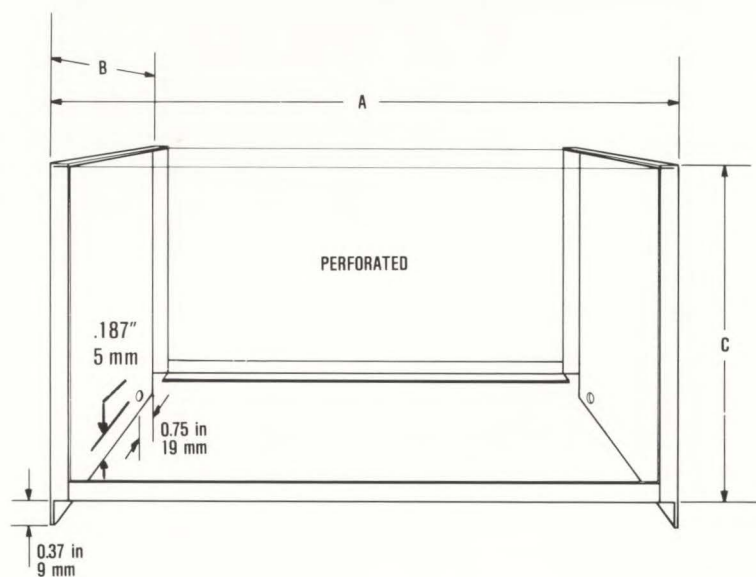
mm			inches			Gauge	Steel		Gauge	Aluminum	
A	B	C	A	B	C		Chassis	Cover		Chassis	Cover
102	102	51	4	4	2	20	1441-6	1431-6	.040	1444-6	1434-6
152	102	51	6	4	2	20	1441-8	1431-8	.040	1444-8	1434-8
203	102	25	8	4	1	20	1441-9	1431-10	.040	1444-9	1434-10
203	102	51	8	4	2	20	1441-10	1431-10	.040	1444-10	1434-10
178	127	51	7	5	2	20	1441-12	1431-12	.040	1444-12	1434-12
229	127	51	9	5	2	20	1441-14	1431-14	.040	1444-14	1434-14
254	152	25	10	6	1	20	1441-15	1431-16	.040	1444-15	1434-16
254	152	51	10	6	2	20	1441-16	1431-16	.040	1444-16	1434-16
343	127	51	13.5	5	2	20	1441-18	1431-18	.040	1444-18	1434-18
432	102	76	17	4	3	20	1441-20	1431-20	.040	1444-20	1434-20
305	203	51	12	8	2	20	1441-22	1431-22	.051	1444-22	1434-22
305	203	76	12	8	3	20	1441-24	1431-22	.051	1444-24	1434-22
406	203	51	16	8	2	20	1441-26	1431-26	.051	1444-26	1434-26
406	203	76	16	8	3	20	1441-28	1431-26	.051	1444-28	1434-26
305	254	51	12	10	2	20	1441-29	1431-29	.051	1444-29	1434-29
432	254	51	17	10	2	20	1441-30	1431-30	.051	1444-30	1434-30
432	254	76	17	10	3	20	1441-32	1431-30	.051	1444-32	1434-30
432	254	102	17	10	4	20	1441-33	1431-30	.051	1444-33	1434-30
432	305	51	17	12	2	18	1441-34	1431-34			
432	305	76	17	12	3	18	1441-36	1431-34			
432	356	76	17	14	3	18	1441-38	1431-38			
432	356	102	17	14	4	18	1441-40	1431-38			
432	356	127	17	14	5	16	1441-42	1431-38			

1451 series

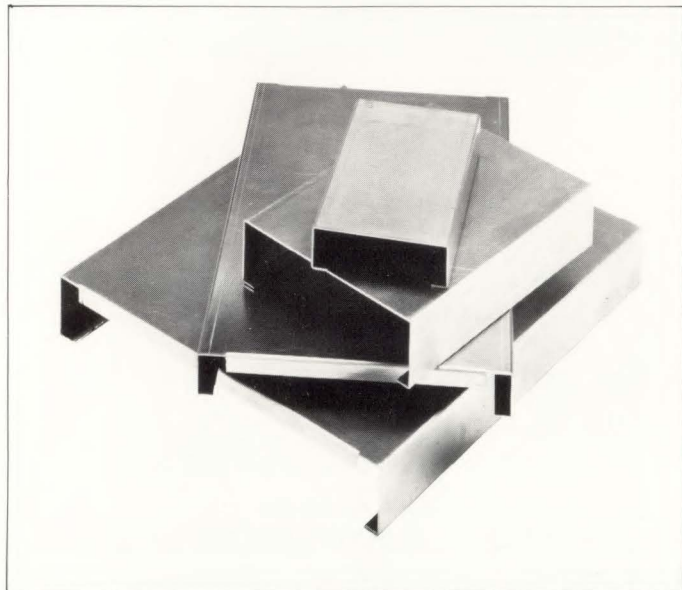


- For use with the chassis (1441, 44 and 49 series).
- 20 gauge CRS ends welded to a perforated steel wrapper.
- ASA 61 grey baked enamel finish.
- 4 self-tapping screws provided.

Cat. No.	inches			mm			For Chassis
	A	B	C	A	B	C	
1451-10	8	4	5.2	203	102	132	4 x 8
1451-14	9	5	5.2	228	127	132	5 x 9
1451-16	10	6	5.2	254	152	132	6 x 10
1451-22	12	8	5.2	305	203	132	8 x 12
1451-26	16	8	5.2	406	203	132	8 x 16
1451-30	17	10	5.2	432	254	132	10 x 17

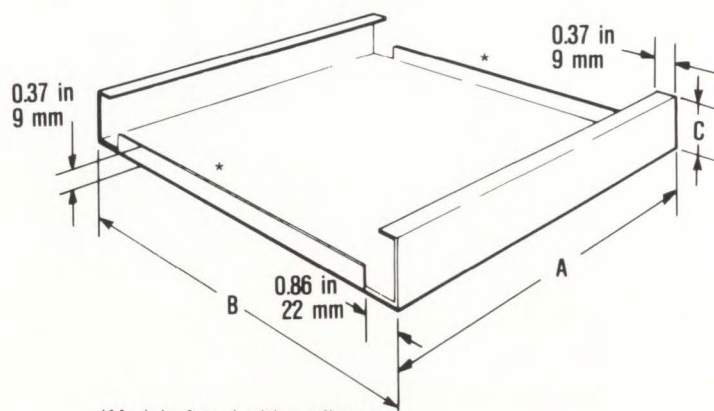


1446 series



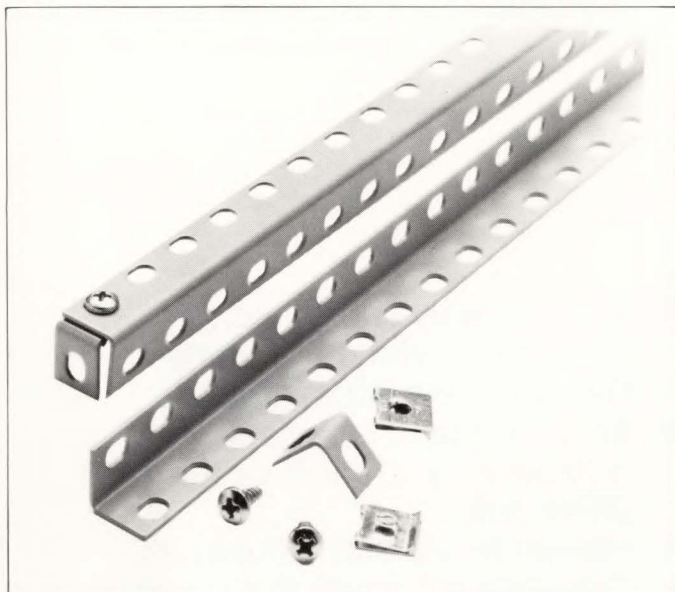
- .051" thick natural aluminum.
- Designed for use alone or with the 1448 series rails or on the 1458 and 1401 series panel rails.
- Replaces the 1419 and 1445 series chassis with same overall sizes.

New Cat. No.	inches			mm		
	A	B	C	A	B	C
*1446 A	3	3	1	76	76	25
*1446 B	3.5	2.5	1	89	64	25
*1446 C	4	3	1	102	76	25
*1446 D	4.5	3.7	1	114	94	25
*1446 E	5	3	1	127	76	25
*1446 F	5	4	1.5	127	102	38
*1446 G	6	4	1	152	102	25
*1446 H	6.5	4.7	1	165	119	25
*1446 J	6.5	5	1.5	165	127	38
1446 M	8.5	5.7	1	216	145	25
1446 P	10.5	4.7	1	267	119	25
1446 Q	10.5	4.7	1.5	267	119	38
1446 R	10.5	6.7	1	267	166	25
1446 W	10.5	9.5	1.5	267	241	38



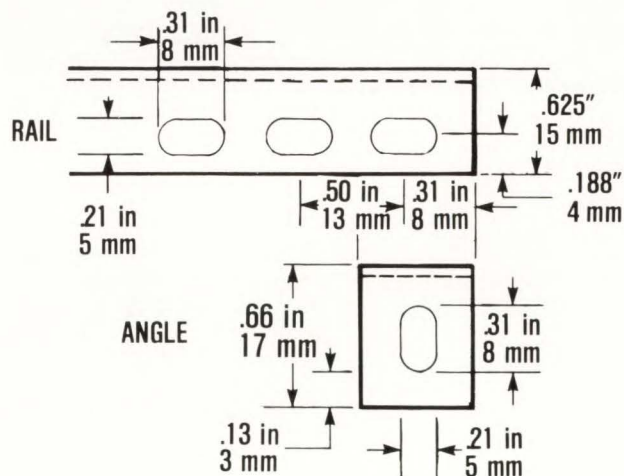
*Models A to J without flange

1448 series



- An all-purpose mounting rail to divide or support components within 1401 and 1458 series cases or 1441, 1444 and 1449 series chassis.
- 18 ga. steel with #8 screws and speed clips.

Package Cat. No.	Rail Length		Note
	in.	mm	
1448 R6	5.6	142	slotted angles
1448 R8	7.6	193	permit 0.3"
1448 R10	9.6	244	extra total reach
1448 R12	11.6	295	when end
1448 R14	13.6	345	mounted.
1448 A20	pkg. of 20 angles, clips and screws only		



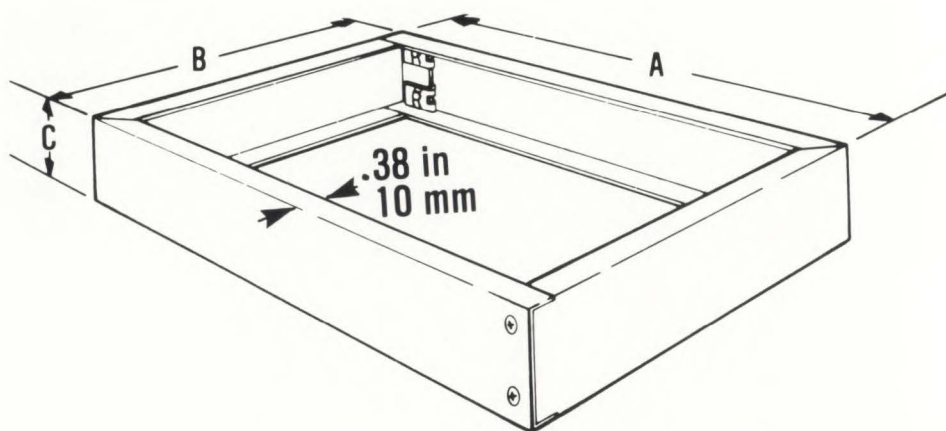
1449 series



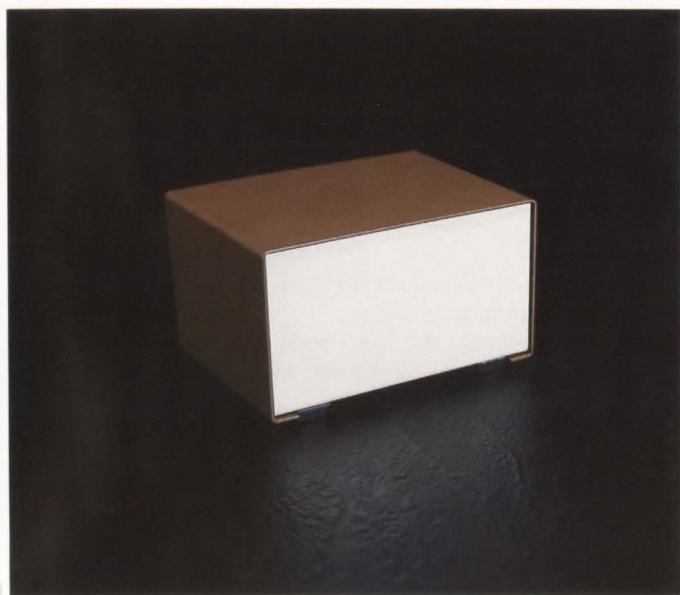
- Can be easily shortened ("A" dimension) with metal snips or hacksaw for custom sizes.
- An open frame type especially suitable for p.c. cards or the 1448 series rails.
- Natural finish .040" aluminum.
- Complete kit, ready to assemble.

Cat. No.	inches			mm		
	A	B	C	A	B	C
1449-12	7	5	2	178	127	51
1449-14	9	5	2	229	127	51
1449-15	10	6	2	254	152	51
1449-22	12	8	2	305	203	51
1449-26	16	8	2	406	203	51
1449-29	12	10	2	305	254	51

For cover plates see 1431, 1434 page 9.

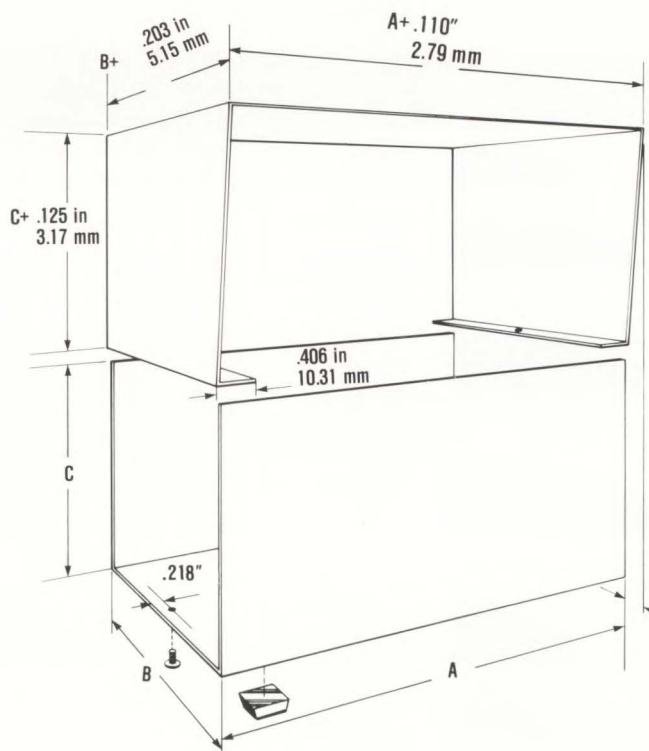


Series 1450 Miniature Case



- This miniature case is a 2 piece design.
- 18 ga base is sand colored.
- 18 ga case is brown.
- Comes with screws and rubber mounting feet.

Cat. No.	inches			mm		
	A	B	C	A	B	C
1450 A	2.75	2.75	4.0	69.8	69.8	101
1450 B	3.0	2.75	4.0	76.2	69.8	101
1450 C	4.0	4.0	4.01	101	101	101
1450 D	4.25	3.0	2.375	108	76.2	60.3
1450 E	4.50	4.0	2.625	114	101	66.6
1450 F	5.0	4.0	3.0	127	101	76.2
1450 H	6.0	4.0	3.0	152	101	76.2



DESKTOP CONSOLES

1456 series



DESIGN A CONSOLE

Choose material, a color and size to produce a beautiful housing for your instruments.

WALNUT

Solid, oiled walnut side panels on a ventilated steel base. Supplied with hardware and rubber feet.

ALUMINUM CASES

Textured, baked-on paints over .081" (2 mm) thick aluminum. The ventilated bottom wraps around to form the sides.

Supplied with hardware and rubber feet.

PANELS

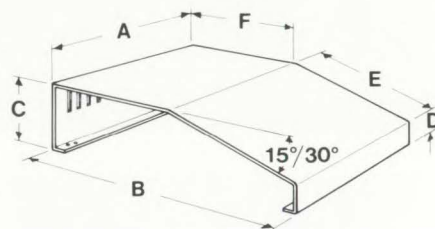
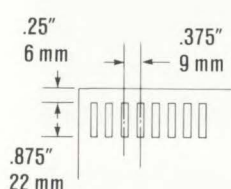
Smooth semi-gloss sand and off-white or finely textured satin black finishes.

Models up to 14.0" (356 mm) wide are .064" (1.6 mm) thick aluminum, larger ones are .081" (2 mm) thick.

Cherrywood available on special order.

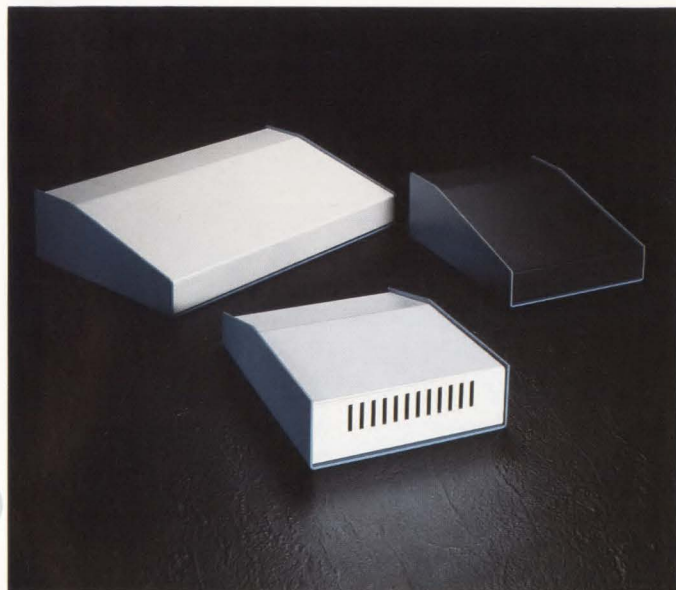
¹ Add Suffix
BU (blue)
or
WW (walnut)

² Add Suffix
WH (white)
BG (sand)
BK (black)



	Case	Panel	mm						Dimensions inches					
			A	B	C	D	E	F	A	B	C	D	E	F
15°	1456 CE2 C ¹	1456 CE2 P ²	102	140	51	28	84	56	4.0	5.5	2.0	1.1	3.3	2.2
	1456 FE2 C	1456 FE2 P	165	140	51	28	84	56	6.5	5.5	2.0	1.1	3.3	2.2
	1456 FH2 C	1456 FH2P	165	216	51	28	84	132	6.5	8.5	2.0	1.1	3.3	5.2
	1456 FH3 C	1456 FH3 P	165	211	76	33	160	56	6.5	8.3	3.0	1.3	6.3	2.2
	1456 KH3 C	1456 KH3 P	254	211	76	33	160	56	10.0	8.3	3.0	1.3	6.3	2.2
	1456 PH3 C	1456 PH3 P	356	211	76	33	160	56	14.0	8.3	3.0	1.3	6.3	2.2
	1456 RH3 C	1456 RH3 P	432	211	76	33	160	56	17.0	8.3	3.0	1.3	6.3	2.2
	1456 WH3 C	1456 WH3 P	508	211	76	33	160	56	20.0	8.3	3.0	1.3	6.3	2.2
	1456 KL3 C	1456 KL3 P	254	287	76	33	160	132	10.0	11.3	3.0	1.3	6.3	5.2
	1456 PL3 C	1456 PL3 P	356	287	76	33	160	132	14.0	11.3	3.0	1.3	6.3	5.2
	1456 RL3 C	1456 RL3 P	432	287	76	33	160	132	17.0	11.3	3.0	1.3	6.3	5.2
	1456 WL3 C	1456 WL3 P	508	287	76	33	160	132	20.0	11.3	3.0	1.3	6.3	5.2
30°	1456 CE3 C	1456 CE3 P	102	140	76	28	94	56	4.0	5.5	3.0	1.1	3.7	2.2
	1456 FE3 C	1456 FE3 P	165	140	76	28	94	56	6.5	5.5	3.0	1.1	3.7	2.2
	1456 KE3 C	1456 KE3 P	254	140	76	28	94	56	10.0	5.5	3.0	1.1	3.7	2.2
	1456 FG4 C	1456 FG4 P	165	183	102	28	145	56	6.5	7.2	4.0	1.1	5.7	2.2
	1456 KG4 C	1456 KG4 P	254	183	102	28	145	56	10.0	7.2	4.0	1.1	5.7	2.2
	1456 PG4 C	1456 PG4 P	356	183	102	28	145	56	14.0	7.2	4.0	1.1	5.7	2.2
	1456 KK4 C	1456 KK4 P	254	259	102	28	145	132	10.0	10.2	4.0	1.1	5.7	5.2
	1456 PK4 C	1456 PK4 P	356	259	102	28	145	132	14.0	10.2	4.0	1.1	5.7	5.2
	1456 RK4 C	1456 RK4 P	432	259	102	28	145	132	17.0	10.2	4.0	1.1	5.7	5.2
	1456 WK4 C	1456 WK4 P	508	259	102	28	145	132	20.0	10.2	4.0	1.1	5.7	5.2

Assembled 1456 series Consoles



Single Part No.

To simplify ordering of our 1456 aluminum cases, we are changing the part number system to include both case and panel.

One part number includes case and panel in 2 color combinations attractively packaged for display, as one unit complete with hardware and rubber feet.

Cases (Blue in color)

Textured baked-on paint over .081" thick aluminum. Ventilated bottom wraps around to form the sides. The blue case comes complete with hardware and rubber feet.

Panels (White or Black)

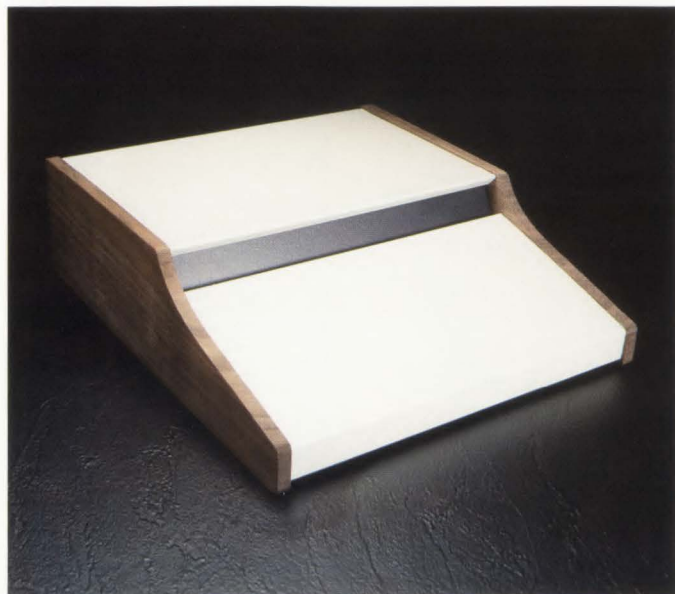
Smooth off-white or finely textured satin black finished. Models up to 14.0" wide are .064" thick aluminum, larger ones are .081" thick aluminum. Comes with vents in rear panel.

Angle	Catalog No.			Dimensions					
	Panel	Panel Color	Case Color	A	B	C	D	E	F
15°				4.0	5.5	2.0	1.1	3.3	2.2
				4.0	5.5	2.0	1.1	3.3	2.2
				6.5	5.5	2.0	1.1	3.3	2.2
				6.5	5.5	2.0	1.1	3.3	2.2
				6.5	8.5	2.0	1.1	3.3	5.2
				6.5	8.5	2.0	1.1	3.3	5.2
				6.5	8.3	3.0	1.3	6.3	2.2
				6.5	8.3	3.0	1.3	6.3	2.2
				10.0	8.3	3.0	1.3	6.3	2.2
				10.0	8.3	3.0	1.3	6.3	2.2
				14.0	8.3	3.0	1.3	6.3	2.2
				14.0	8.3	3.0	1.3	6.3	2.2
				17.0	8.3	3.0	1.3	6.3	2.2
				17.0	8.3	3.0	1.3	6.3	2.2
				20.0	8.3	3.0	1.3	6.3	2.2
				20.0	8.3	3.0	1.3	6.3	2.2
				10.0	11.3	3.0	1.3	6.3	5.2
				10.0	11.3	3.0	1.3	6.3	5.2
				14.0	11.3	3.0	1.3	6.3	5.2
				14.0	11.3	3.0	1.3	6.3	5.2
				17.0	11.3	3.0	1.3	6.3	5.2
				17.0	11.3	3.0	1.3	6.3	5.2
				20.0	11.3	3.0	1.3	6.3	5.2
				20.0	11.3	3.0	1.3	6.3	5.2
30°				4.0	5.5	3.0	1.1	3.7	2.2
				4.0	5.5	3.0	1.1	3.7	2.2
				6.5	5.5	3.0	1.1	3.7	2.2
				6.5	5.5	3.0	1.1	3.7	2.2
				10.0	5.5	3.0	1.1	3.7	2.2
				10.0	5.5	3.0	1.1	3.7	2.2
				6.5	7.2	4.0	1.1	5.7	2.2
				6.5	7.2	4.0	1.1	5.7	2.2
				10.0	7.2	4.0	1.1	5.7	2.2
				10.0	7.2	4.0	1.1	5.7	2.2
				14.0	7.2	4.0	1.1	5.7	2.2
				14.0	7.2	4.0	1.1	5.7	2.2
				10.0	10.2	4.0	1.1	5.7	5.2
				10.0	10.2	4.0	1.1	5.7	5.2
				14.0	10.2	4.0	1.1	5.7	5.2
				14.0	10.2	4.0	1.1	5.7	5.2
				17.0	10.2	4.0	1.1	5.7	5.2
				17.0	10.2	4.0	1.1	5.7	5.2
				20.0	10.2	4.0	1.1	5.7	5.2
				20.0	10.2	4.0	1.1	5.7	5.2

Color codes for panels & cases (Blue) = BU (White) = WH (Black) = BK

DESKTOP CONSOLES

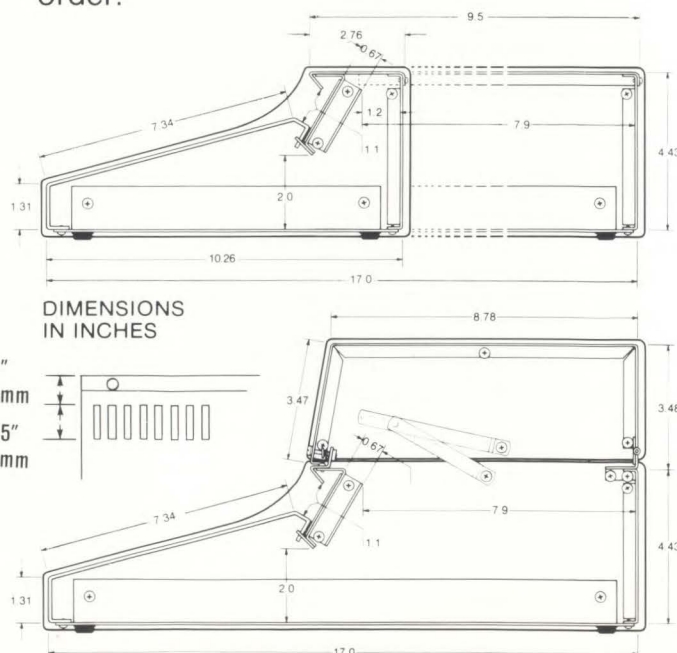
SCED & SCEH series



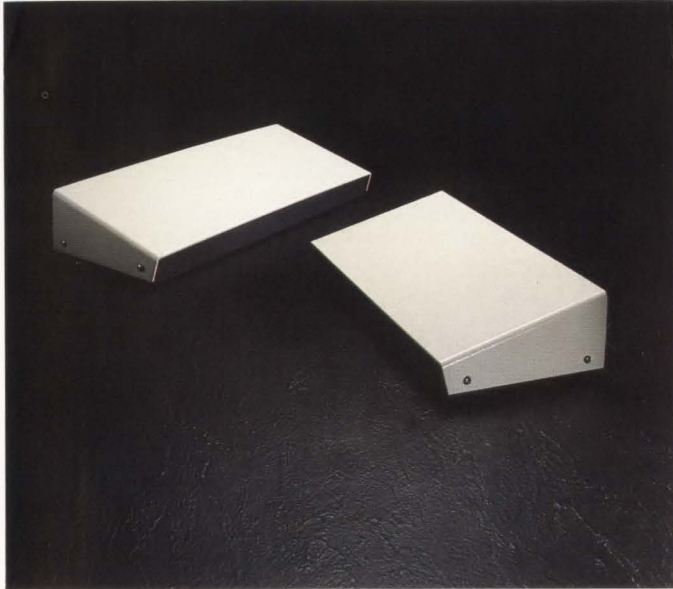
- A console designed for beauty and total component accessibility. The contoured sides are solid, oiled walnut. The exterior panels have a baked-on textured sand finish over 18 gauge (.048", 1.2 mm) steel, (0.81", 2 mm thick aluminum for the keyboard panel).
- All of the 3 exterior panels are detachable by removing only 2 or 3 concealed screws in each.
- The satin black aluminum display panel may be replaced by a translucent CHROMAFILTER® for illuminated displays.
- Cherrywood sides available on special order.

	Cat No.	Panel Width	
		inches	mm
	SCED 251126	10	254
	SCED 351126	14	356
	SCED 431126	17	432
	SCED 351143	14	356
	SCED 431143	17	432
	SCED 501143	20	508
	SCEH 352043	14	356
	SCEH 432043	17	432
	SCEH 502043	20	508

Cat. No.	Size		Chromafilter® Color	Type of Display
	inches	mm		
SC 210 R	2 x 10	51 x 254	Red 60	neon red or orange LED orange gas
SC 214 R	2 x 14	51 x 356		
SC 217 R	2 x 17	51 x 432		
SC 220 R	2 x 20	51 x 508		
SC 210 G	2 x 10	51 x 254	Green 48	green gas green LED
SC 214 G	2 x 14	51 x 356		
SC 217 G	2 x 17	51 x 432		
SC 220 G	2 x 20	51 x 508		
SC 210 N	2 x 10	51 x 254	Neutral Grey 10 27% transmission	incandescent (e.g. meters) all LED's
SC 214 N	2 x 14	51 x 356		
SC 217 N	2 x 17	51 x 432		
SC 220 N	2 x 20	51 x 508		

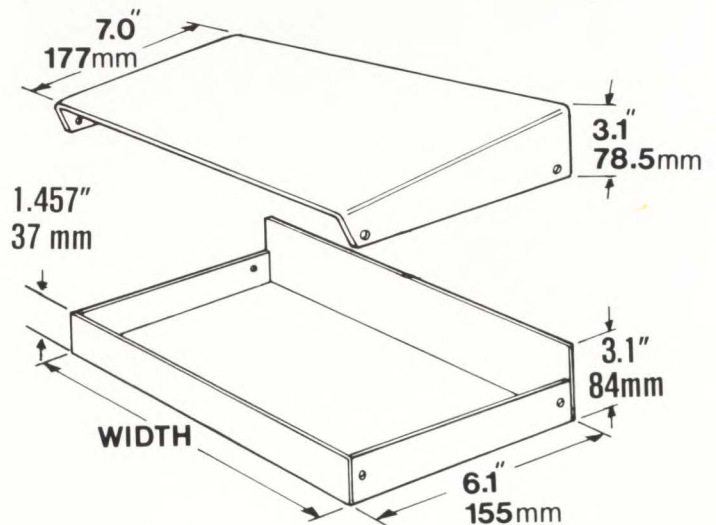


SCEK series



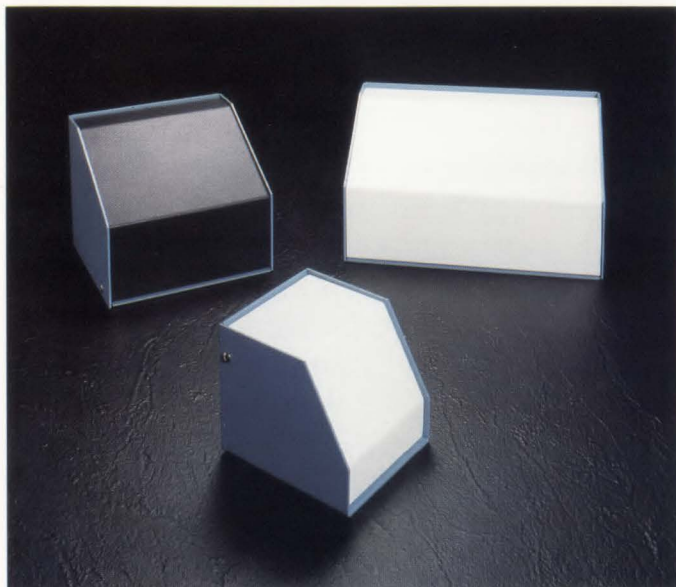
- Designed for data entry, control or mixer applications.
- Full width gaskets eliminate vibration between panel and base.
- Bases are finely textured satin black, baked on .081" (2 mm) thick aluminum.
- Panels are textured baked-on paints on .125" (3 mm) thick aluminum.
- Rubber feet and nickel plated screws are supplied.

Cat. No.*	Width		
	mm	inches	
SCEK 500817	508	20	*Add suffix GY (Charcoal) BG (Sand)
SCEK 430817	432	17	
SCEK 360817	355	14	



NOTE: Overall height assembled 3.31"

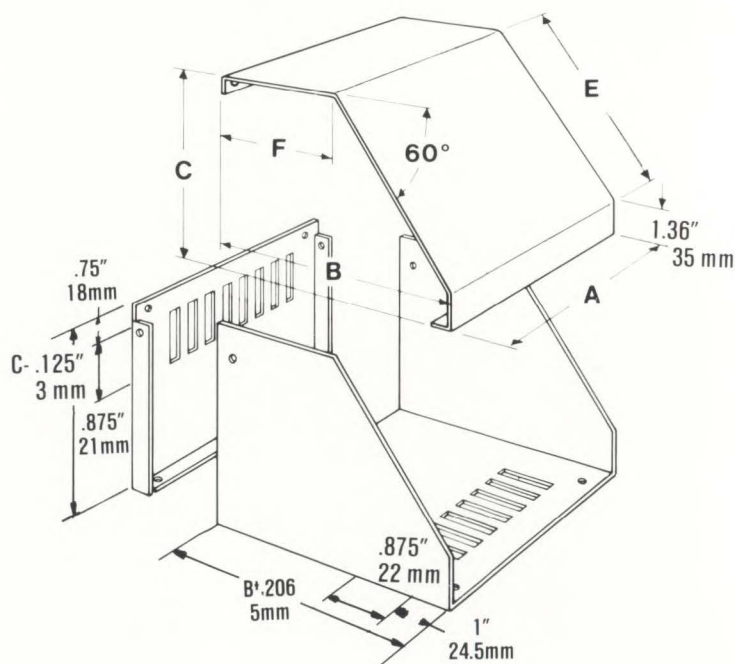
SCEM series



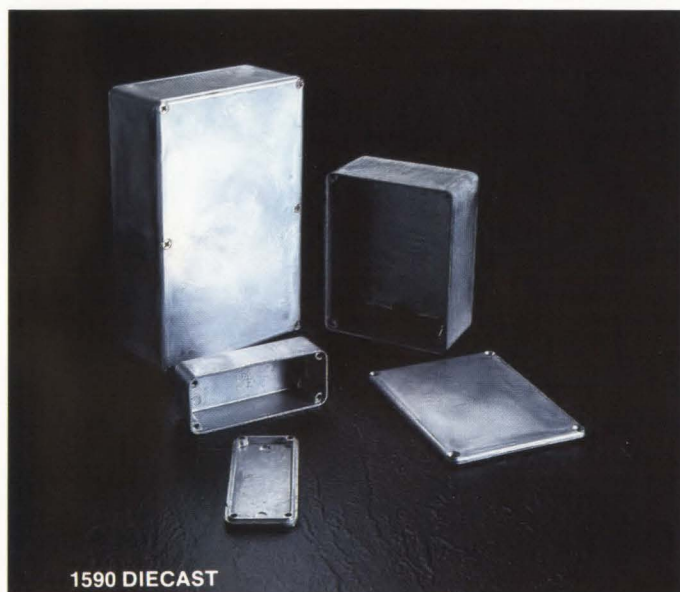
- An aluminum case finished in textured blue with a choice of semi-gloss off-white or finely textured satin black panel.
- Convection ventilation is provided by slots in the bottom and removable rear panels.
- Supplied with hardware and rubber feet.

*Add Suffix
WH (white) or
BK (black)

Cat. No.*	mm						Dimensions inches					
	A	B	C	E	F		A	B	C	E	F	
SCEM 101110	102	114	102	76	74		4.0	4.5	4.0	3.0	2.9	
SCEM 161110	165	114	102	76	74		6.5	4.5	4.0	3.0	2.9	
SCEM 161414	165	140	140	119	79		6.5	5.5	5.5	4.7	3.1	
SCEM 251414	254	140	140	119	79		10.0	5.5	5.5	4.7	3.1	
SCEM 251619	254	165	191	179	74		10.0	6.5	7.5	7.0	2.9	
SCEM 351619	356	165	191	179	74		14.0	6.5	7.5	7.0	2.9	



1590 series Diecast Boxes

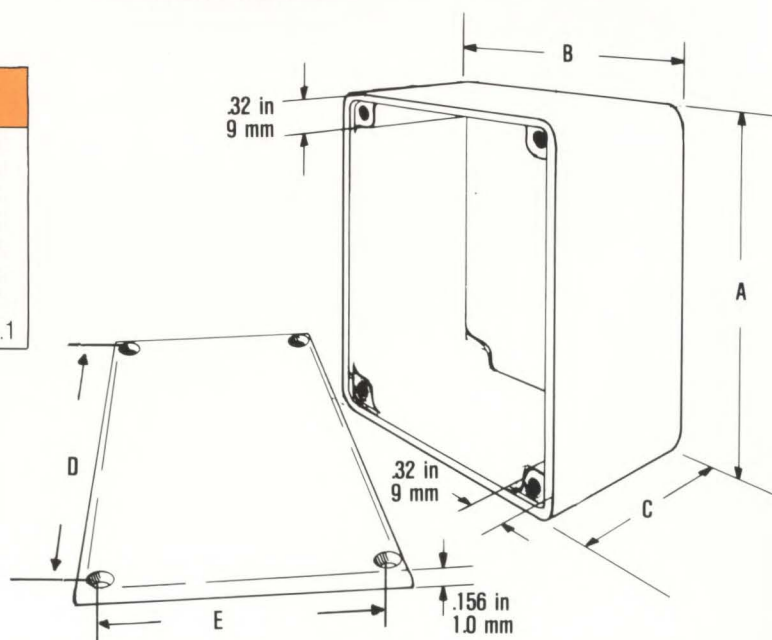


- An improved diecast aluminum alloy box.
- Comes drilled and tapped with countersunk lid and four 6-32 x 1/2 Phillips screws.
- Interlocking flange on the lid.
- Provides good R.F. shielding making smaller sizes excellent for RF connectors.

Cat. No.	INCHES					MM				
	A	B	C	D	E	A	B	C	D	E
1590A	3.62	1.50	1.07	3.24	1.12	92	38	27	82	28
1590B	4.37	2.37	1.07	3.99	1.99	111	60	27	101	51
1590BB	4.68	3.68	1.18	4.31	3.31	119	93	30	109	84
1590C	4.68	3.68	2.06	4.31	3.31	119	93	52	109	84
1590D	7.39	4.70	2.06	7.0	4.31	188	119	52	178	109
1590E	7.39	4.70	3.06	7.0	4.31	188	119	78	178	109
1590F	7.39	7.37	2.50	7.0	7.0	187	187	64	178	178
1590LB	1.98	1.98	1.07	1.6	1.6	50	50	27	41	40.1

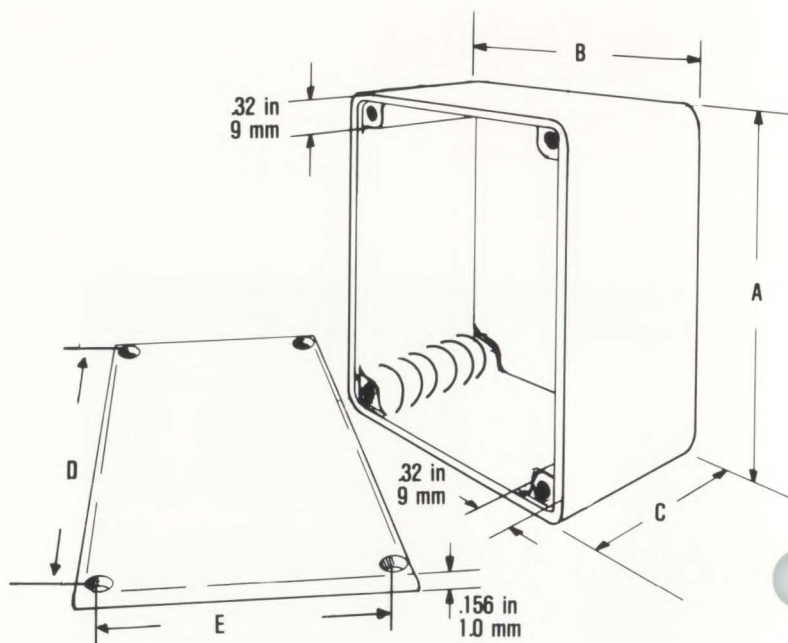
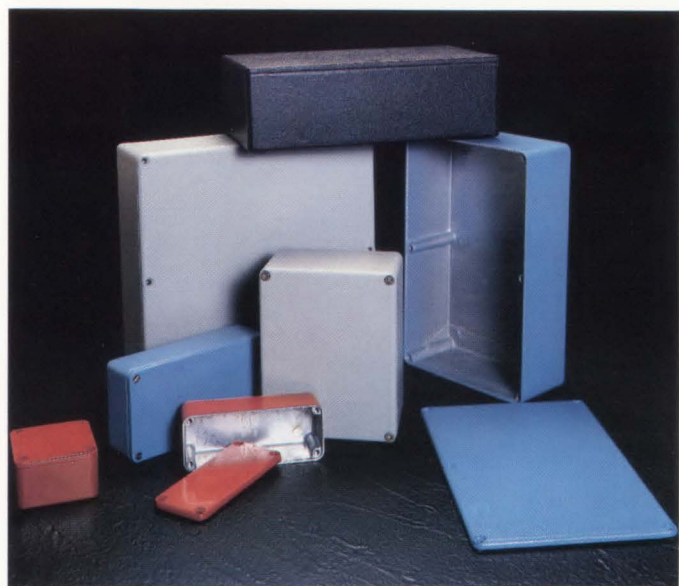
*Models D and E have center posts on dimension A.

*Model F has center posts on dimensions A and B.



Note: Lid adds .156" to overall depth of box.

1590 series Painted Diecast Boxes



Average wall thickness 2.0 mm (.079")
Lid adds 4 mm (.156") to overall depth of box

Note: Lid adds .156" to overall depth of box.

- Same box as standard 1590 series above but available with textured baked enamel finish in black (BK) blue (BU) grey (GY) and red (RD).

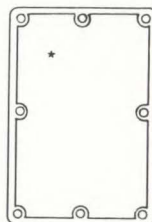
Cat. No.	INCHES					MM				
	A	B	C	D	E	A	B	C	D	E
1590A	3.62	1.50	1.07	3.24	1.12	92	38	27	82	28
1590B	4.37	2.37	1.07	3.99	1.99	111	60	27	101	51
1590BB	4.68	3.68	1.18	4.31	3.31	119	93	30	109	84
1590C	4.68	3.68	2.06	4.31	3.31	119	93	52	109	84
1590D	7.39	4.70	2.06	7.0	4.31	188	119	52	178	109
1590E	7.39	4.70	3.06	7.0	4.31	188	119	78	178	109
1590F	7.39	7.37	2.50	7.0	7.0	187	187	64	178	178
1590LB	1.98	1.98	1.07	1.6	1.6	50	50	27	41	40.1

Average Wall Thickness 2.0 mm (.079")

*Models D and E have center posts on dimension A

*Model F has center posts on dimensions A & B

Specify finish with a 2 digit suffix: Black (BK) Blue (BU) GREY (GY)
Red (RD)



1590 series PC Card Diecast Boxes



P.C. CARD DIECAST

Cat. No.	inches			mm		
	A	B	C	A	B	C
1590 L	4.00	2.00	.844	102	51	21
1590 M	4.40	2.44	1.06	112	62	27
1590 N	4.75	2.56	1.40	121	65	36
1590 P	6.00	3.16	1.84	152	80	47
1590 R *	7.50	4.33	2.22	191	110	56

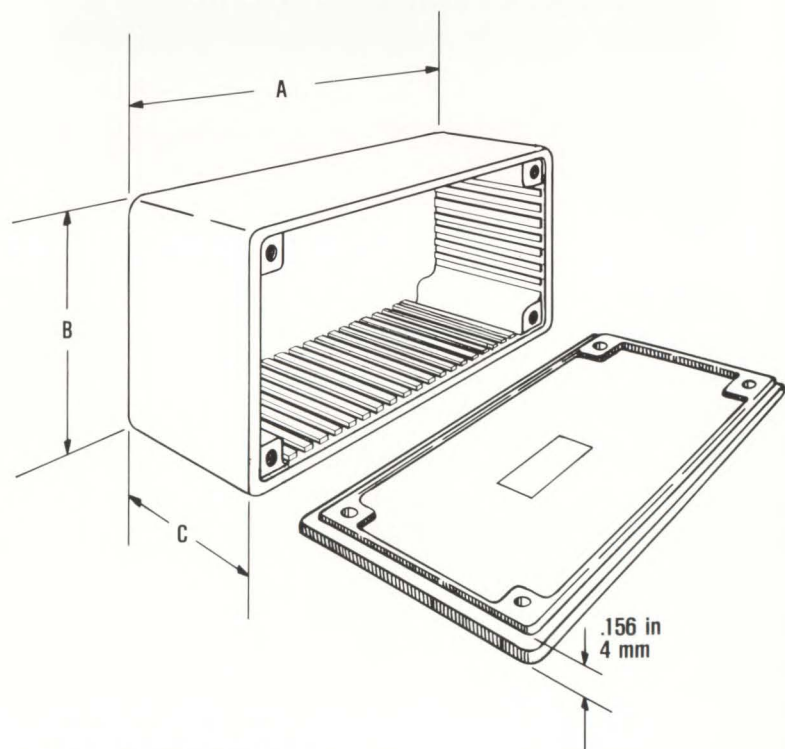
*This model has 6 mounting studs/holes.

Average wall thickness 0.062" (1.6 mm)

For Hammertone grey painted series, add suffix "P" to part number.

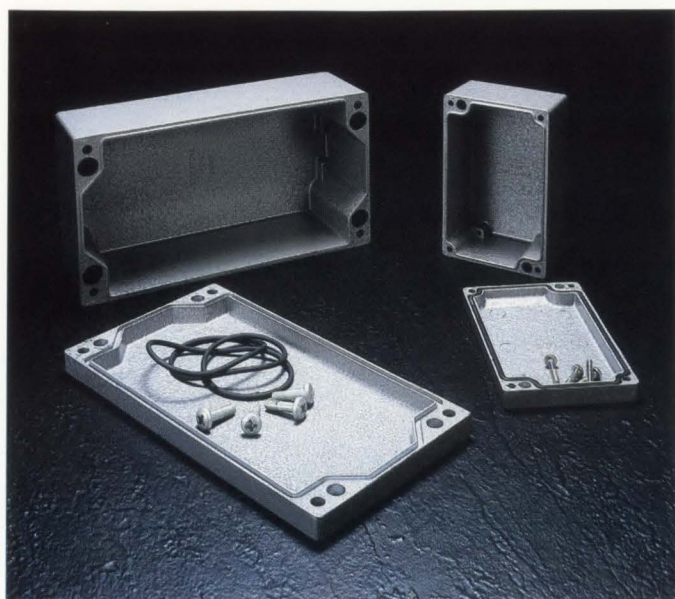
Note: P.C. card adaptors available, see page 28.

- Comes with 3 mm slot head screws, countersunk into lid and threaded in tapped holes.
- Rated to 600°C (1112°F) temperatures.
- Interlocking flanged lid.
- Internal slots on 0.2" centers hold .062" thick p.c. cards or dividers.



PC CARD DIECAST BOXES

1590 series Water Tight Diecast Boxes

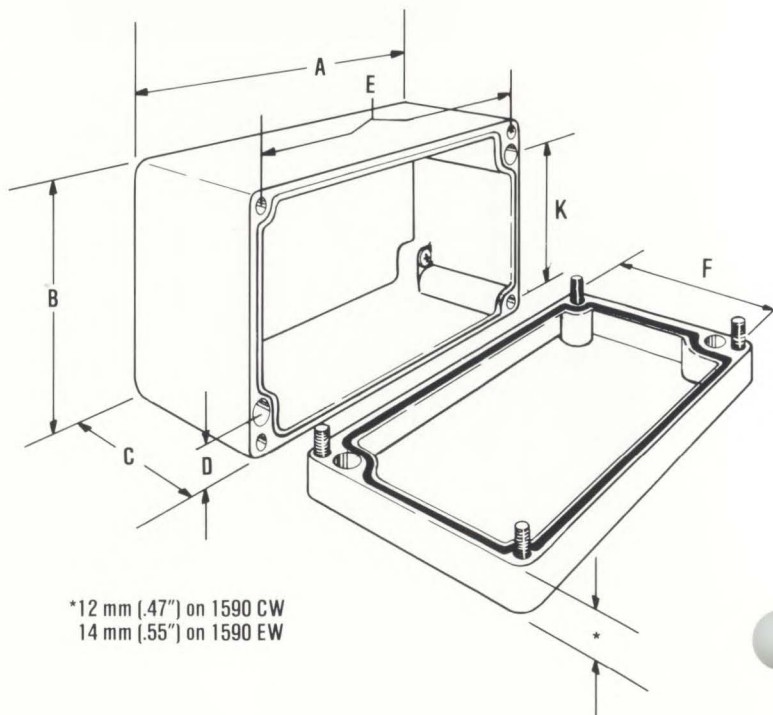


- Finished in hammertone grey.
- RF shielding and environment protection.
- Corrosion and water resistant.
- 2 internal ground screws.
- Neoprene sealing ring.
- 2 bolt holes outside sealing ring for secure mounting of the box.

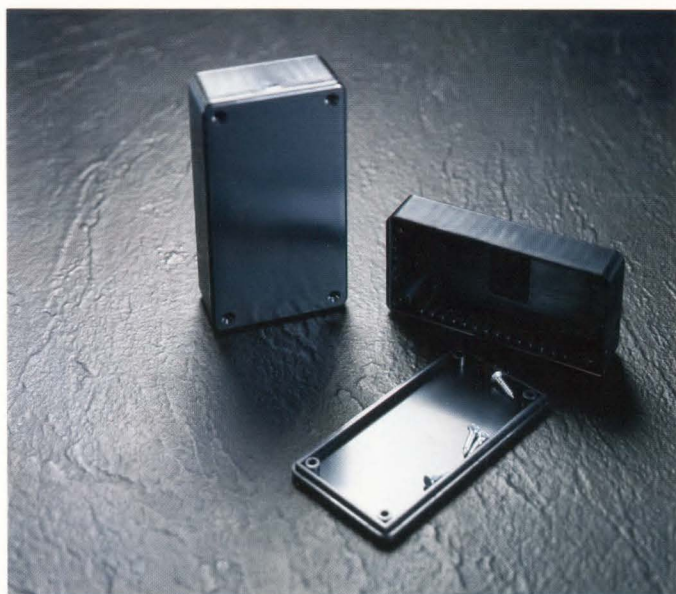
Cat. No.	Dimensions							
	A	B	C	D	E	F	K	
1590 CW	in 4.9	3.1	1.7	.47	4.4	2.6	2.0	
	mm 125	79	43	12	112	68	52	
1590 EW	in 8.6	4.7	2.5	.55	7.9	4.0	3.1	
	mm 218	119	64	14	201	102	79	

Side wall thickness .158" (4 mm)
Top and bottom thickness .101" (2.6 mm)

Average wall thickness 0.062" (1.6 mm)



1591 series Styrene Plastic Cases

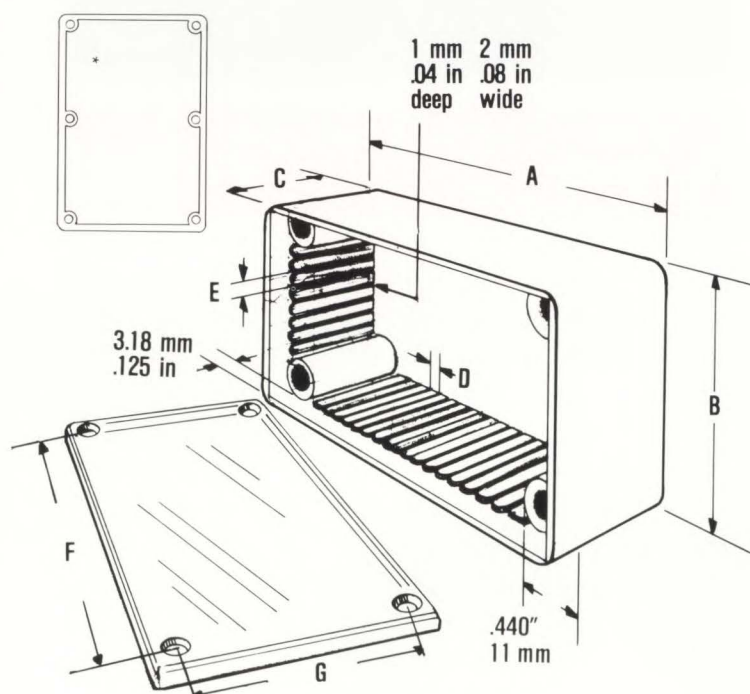


- A rugged small case moulded in high impact Styrene Plastic.
- Similar style interlocking lid and same dimensions as 1591 series on page 25.
- Comes with four self-tapping screws countersunk into the lid.
- Standard stock items available in black only.
- Custom colors available on request.

Cat. No. Styrene Lid	Styrene Plastic Cases Dimensions							
		A	B	C	D	E	F	G
1591LSBK	mm	85	56	35	5.0	5.0	71	42
	ins	3.34	2.20	1.38	.20	.20	2.79	1.65
1591ASBK	mm	100	50	21	5.0	5.0	86	36
	ins	3.93	1.97	.82	.20	.20	3.38	1.42
1591BSBK	mm	112	62	27	5.0	5.0	98	48
	ins	4.41	2.44	1.06	.20	.20	3.85	1.89
1591CSBK	mm	120	65	36	5.0	5.0	106	51
	ins	4.72	2.55	1.41	.20	.20	4.17	2.0
1591DSBK	mm	150	80	46	5.0	5.0	136	66
	ins	5.90	3.14	1.80	.20	.20	5.35	2.59
*1591ESBK	mm	190	110	57	5.0	5.0	176	96
	ins	7.47	4.33	2.24	.20	.20	6.92	3.78

Average wall thickness 2 mm (.079")

Note: P.C. card adaptors, see page 28.



Note: Lid adds 4.0 mm / .156" to overall depth of box.

*1591ES has 6 lid mounting holes and removeable center brace.

PLASTIC BOXES

1591 Series ABS Plastic Boxes



- Moulded in Cycolac® KJB (or equivalent) which is an improved, medium impact ABS thermoplastic with flame retardant properties.
- Cycolac® KJB carries a flammability rating of 94 V-O at 1.47 mm thickness and a continuous use temperature rating of 70° C.
- KJB material required by CSA and U.L. on many consumer goods.
- Six sizes in colors; blue, black, grey, orange and beige.
- Comes with M3X.5X8 mm slot head screws, counter sunk lid drilled and tapped integral brass bushings.
- Interlocking flange on the lid.
- Integral card guides accept .062" p.c. cards.
- Cat. No. 1591E have removable center brace.
- Available with Cycolac KJB unpainted aluminum or clear, polycarbonate lid.

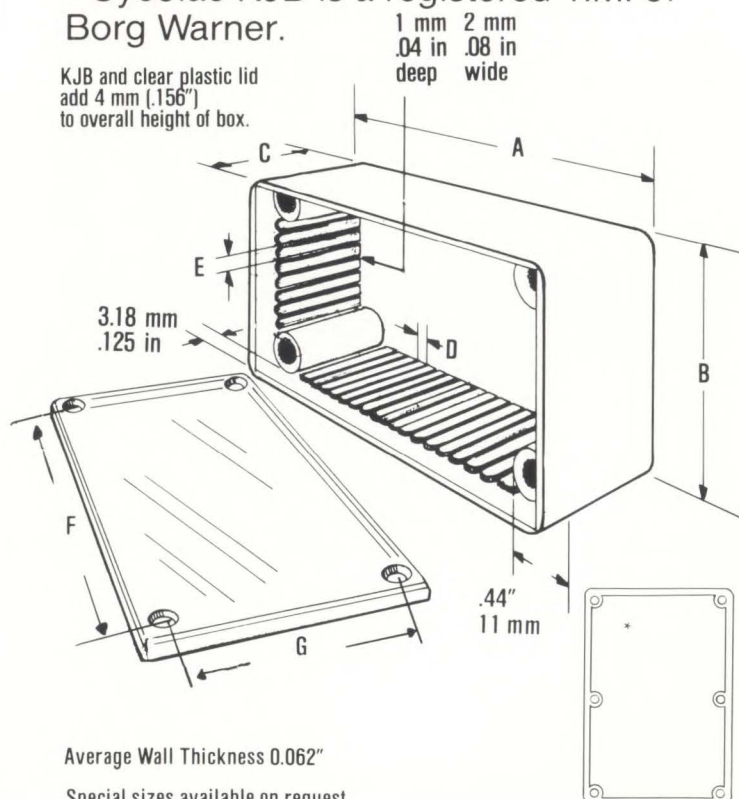
®Cycolac KJB is a registered T.M. of Borg Warner.

Cat. No.			Dimensions							
KJB Lid	Clear Lid	Metal Lid		A	B	C	D	E	F	G
1591 L	1591 LC	1591 LM	mm	85	56	35	5.0	5.0	71	42
			ins	3.34	2.20	1.38	.20	.20	2.79	1.65
1591 A	1591 AC	1591 AM	mm	100	50	21	5.0	5.0	86	36
			ins	3.93	1.97	.82	.20	.20	3.38	1.42
1591 B	1591 BC	1591 BM	mm	112	62	27	5.0	5.0	98	48
			ins	4.41	2.44	1.06	.20	.20	3.86	1.89
1591 C	1591 CC	1591 CM	mm	120	65	36	5.0	5.0	106	51
			ins	4.72	2.55	1.41	.20	.20	4.17	2.0
1591 D	1591 DC	1591 DM	mm	150	80	46	5.0	5.0	136	66
			ins	5.90	3.14	1.80	.20	.20	5.35	2.59
1591 *E	1591 *EC	1591 *EM	mm	190	110	57	5.0	5.0	176	96
			ins	7.47	4.33	2.24	.20	.20	6.92	3.78

Note: P.C. card adaptors available, see page 28.

When ordering specify color with suffixes OR (orange), BK (black), BU (blue), GY (grey), or BG (beige).

*E series have 6 lid mounting holes.



1594 series High Profile, Clear Lid ABS Boxes

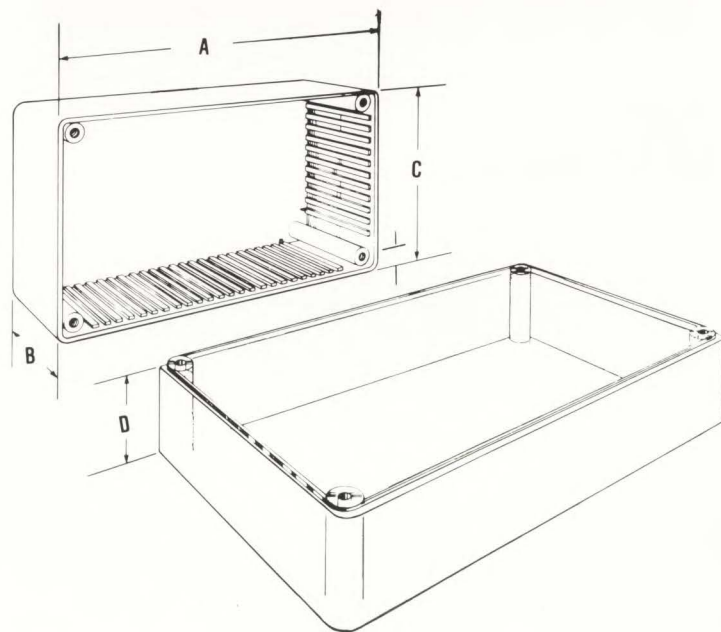


- These high profile boxes are of the same basic design as our 1591 series but have high profile transparent lids to accept deeper components. Bases are black ABS only and have card guides on 5.08 mm (0.2") centers.

Cat. No.	inches				mm			
	A	B	C	D	A	B	C	D
1594 DC BK	5.90	1.81	3.14	1.18	150	46	80	30
*1594 EC BK	7.48	2.20	4.33	1.34	190	56	110	34

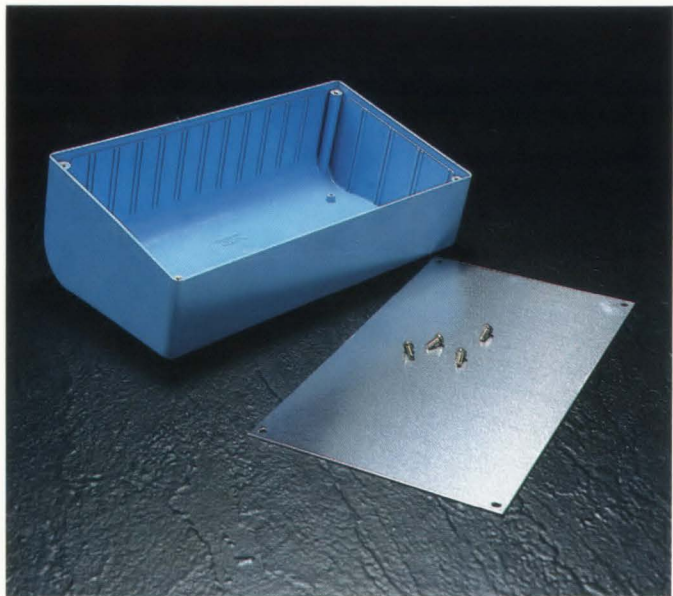
*Comes in black only with clear lid.

*E series have 6 lid mounting holes/studs removable center brace.



For additional dimension details see 1591 ABS series page 25.

1595 series Plastic consoles

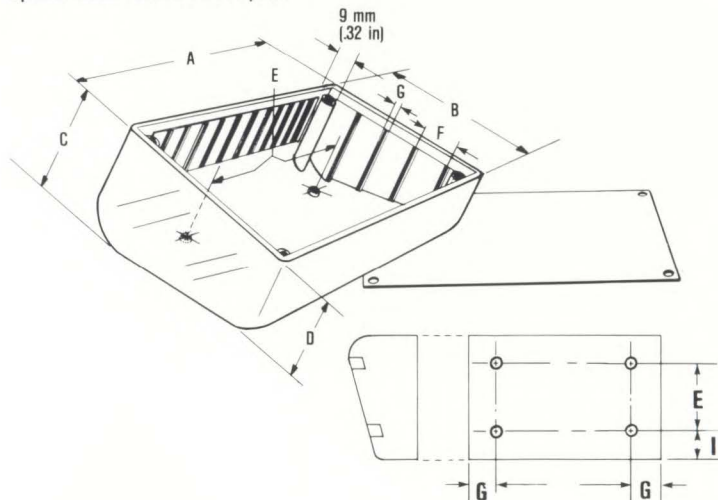


Cat. No.	Dimensions								
	A	B	C	D	E	F	G	H	I
1595C $\frac{1}{2}$ ins.	6.34	3.78	2.28	1.56	2.450	.625	.860	.625	.400
1595E $\frac{1}{2}$ ins.	8.46	5.12	2.95	2.031	3.350	1.075	.860	1.00	.400

When ordering specify color with suffixes OR (orange), BK (black), BU (blue), or GY (grey).

Metal Lid not colored.

Special sizes available on request.



Average wall thickness .062"

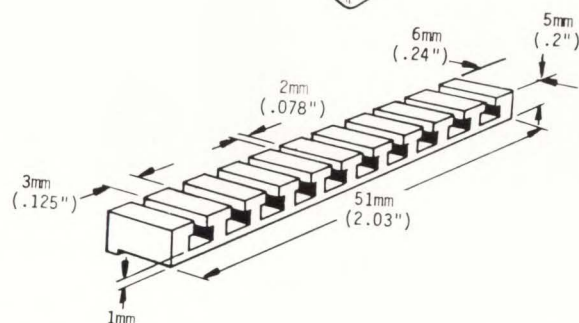
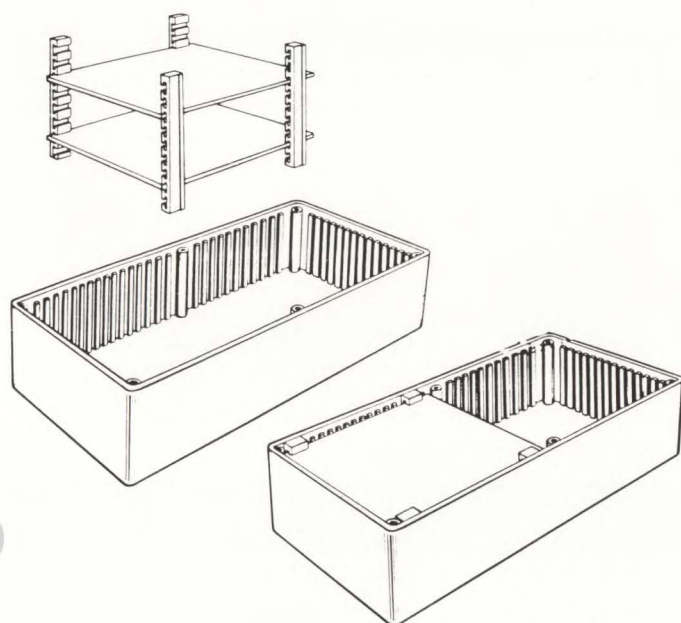
"F" dimension on C box is .625" on both A & B sides.

"F" dimension on E box is .625" on the A side, 1.075" on B side.

- Two styles, each in four colors; blue, black, grey, and orange.
- Case molded in Cylolac® KJB (or equivalent) which is an improved medium impact ABS thermoplastic with flame retardant properties.
- Comes with four slot head screws threaded into integral brass bushings which hold recessed panel into sloping front of case.
- Rated for continuous use at 70° C.
- 0.04" thick unpainted aluminum panel.
- Internal slots 0.04" deep by .07" wide for 0.062 p.c. cards.
- 0.20" dia. Stand-off bosses in the base for supporting various sub-assemblies.
- Comes with 4 self-adhesive feet.

®Cylolac and KJB are registered TM of Borg Warner

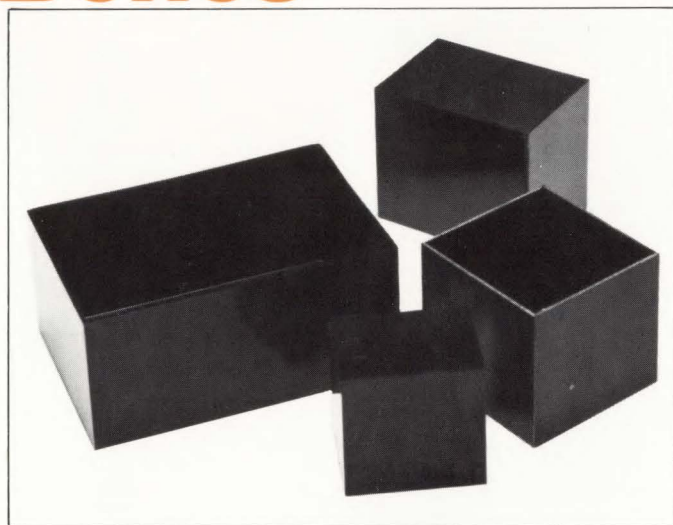
P.C. Card Adaptors



- P.C. Adaptors allow mounting of cards at right angles to the slots molded into Hammond plastic and diecast handy cases (L through R only).
- Several cards or even partial cards can be installed.
- P.C. adaptors can be used with Hammond boxes in the 1590, 1591 and 1595 series.

Cat. No.	Quantity
1591 Z6	6 p.c. adaptors
1591 Z100	100 p.c. adaptors

1596 series Potting Boxes

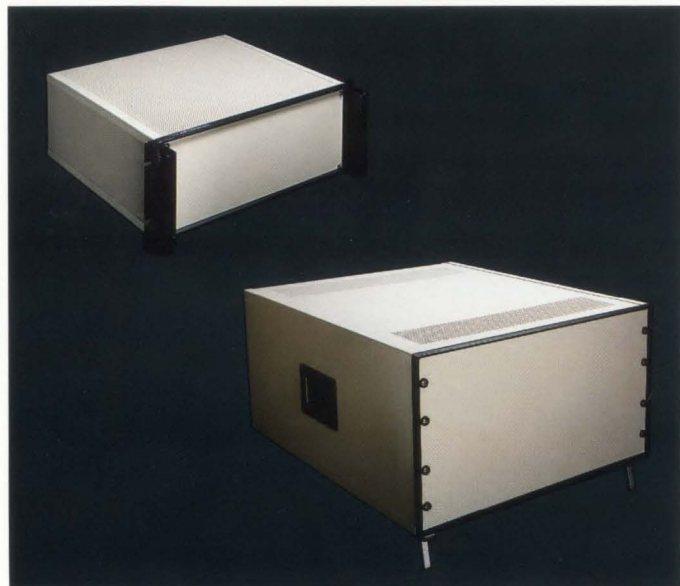


- A comprehensive range of Potting Boxes in black ABS. They are specially designed for the encapsulation of electronic component assemblies to give protection from environmental hazards.
- Eight sizes are available as standard to suit most requirements, but special sizes to customer specification can be produced for large quantities.

Cat. No.	inches			mm		
	A	B	C	A	B	C
1596 B 101	.984	.787	.590	24	20	15
1596 B 102	1.18	.787	.590	30	20	15
1596 B 103	1.57	1.37	.787	40	35	20
1596 B 104	1.96	1.57	1.18	50	40	30
1596 B 105	2.95	1.96	1.37	75	40	35
1596 B 106	3.93	2.36	.984	100	60	24
1596 B 107	1.57	1.57	.590	40	40	15
1596 B 108	1.96	1.96	1.18	50	50	30
1596 B 109	.433	.433	.354	11	11	9
1596 B 110	.866	.551	.472	22	14	12
1596 B 111	1.14	1.10	.826	29	28	21

RACK & DESKTOP CABINETS

Rack Mount & Desktop Cabinets



This new addition to the Hammond family of quality enclosures brings an added dimension to rack and desktop packaging.

We have developed two rugged, all aluminum case styles to suit the needs of today's smaller, lighter electronic designs. Designers will find these attractive new cases ideally suited for prototyping or use in O.E.M. instrumentation, metering, monitoring communications and other applications.

The Desktop case is styled for portable, desktop equipment. These units feature extra sturdy, side mounted diecast carry handles and diecast mounting feet with flip-down front feet that allow user to tilt the case to the optimum viewing angle. The case will stack for multiple instrument functions.

In order to put Rack Mount cases in a Desktop case you must remove the accessory panels.

The Rack Mounting Case is styled for mounting in standard 19", EIA hole spaced racks. Comes complete with panels. These cases have sturdy extruded front-mounting carry handles and come in sizes to fit standard U panel spaces.

Cases come completely assembled with front and rear panels. Special colors or color combinations available on request from factory.

Note: Rack mount units have ventilated body panels, Desktop units have solid body panels.

RACK MOUNT CASES

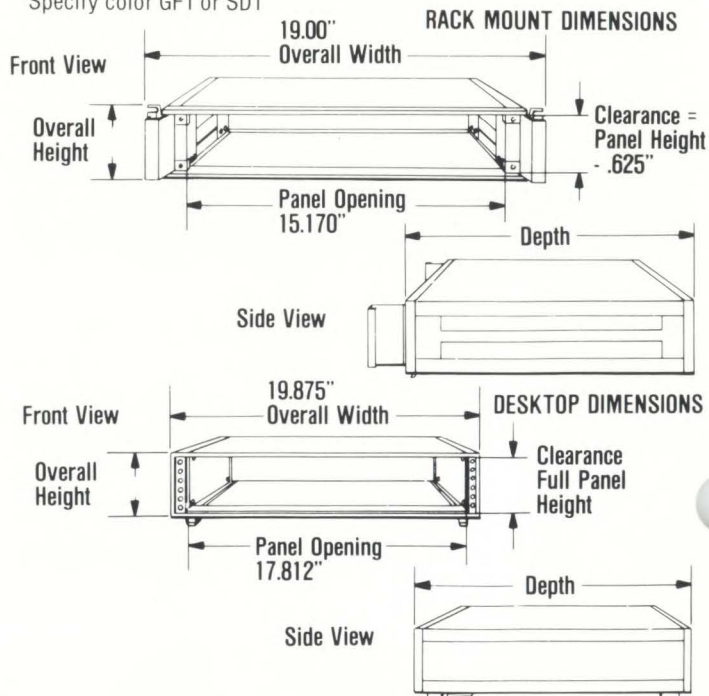
Part No.	Panel height			Overall height		Depth	
	u	mm	in	mm	in	mm	in
ACRM 1900313*	2	89	3.5	88	3.468	330	13.0
ACRM 1900317	2	89	3.5	88	3.468	432	17.0
ACRM 1900323	2	89	3.5	88	3.468	584	23.0
ACRM 1900713	4	178	7.0	177	6.968	330	13.0
ACRM 1900717	4	178	7.0	177	6.968	432	17.0
ACRM 1900723	4	178	7.0	177	6.968	584	23.0
ACRM 1901013	6	267	10.5	266	10.468	330	13.0
ACRM 1901017	6	267	10.5	266	10.468	432	17.0
ACRM 1901023	6	267	10.5	266	10.468	584	23.0

*Specify color GF1 or SD1 see color chart. Depth including handle add 1.594".

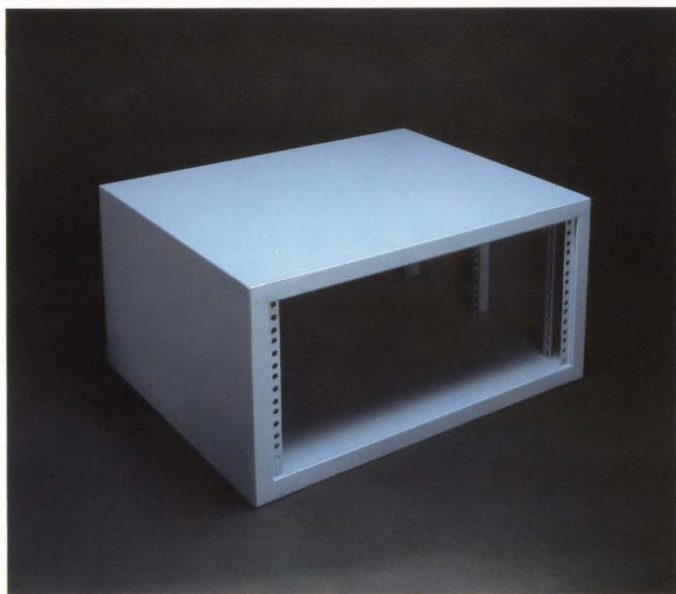
DESKTOP CASES

Part No.	Panel height			Overall height		Depth	
	u	mm	in	mm	in	mm	in
ACDT 1900317*	2	89	3.5	105	4.125	445	17.5
ACDT 1900717	4	178	7.0	194	7.625	445	17.5
ACDT 1900724	4	178	7.0	194	7.625	622	24.5
ACDT 1901024	6	267	10.5	283	11.125	622	24.5
ACDT 1901031	6	267	10.5	283	11.125	800	31.5
ACDT 1901424	8	356	14.0	371	14.625	622	24.5
ACDT 1901431	8	356	14.0	371	14.625	800	31.5
ACDT 1901724	10	445	17.5	460	18.125	622	24.5
ACDT 1901731	10	445	17.5	460	18.125	800	31.5

*Specify color GF1 or SD1



RCHS series



- 18 ga cold rolled steel
- Fixed panel rails recessed 0.3" on both front and rear
- Full EIA spacing of .281" dia holes which accept 1/4—20 studs or 10—32 clip nuts.
- Fixed accessory rails positioned to accept Hammond drawer slides and other accessories.
- Flat, raised bottom for heavy equipment mounting.
- 2 base stiffeners support the cabinet on smooth steel dimples.
- Available in all colors, stocked in GF1 and CC1.
- Clip nuts
- Heights and widths are 2.0" larger than panel space

Panel Height		17.5 Depth	24.5 Depth	No. of
in	u	Cat. No.	Cat. No.	Clip-Nuts
8.75	5	RCCHS 19 008 17 ¹ _____	¹ _____	8
10.5	6	RCCHS 19 010 17 _____	RCCHS 19 010 24 _____	16
14.0	8	RCCHS 19 014 17 _____	RCCHS 19 014 24 _____	16
17.5	10	RCCHS 19 017 17 _____	RCCHS 19 017 24 _____	16
22.75	13	RCCHS 19 022 17 _____	RCCHS 19 022 24 _____	16
28.0	16	RCCHS 19 028 17 _____	RCCHS 19 028 24 _____	16

¹Specify finish with a 3 digit suffix from color chart.

Stocked in GF1 or CC1

RACK & DESKTOP CABINETS

RCBS series



- 18 ga cold rolled steel.
- An economical table top rack.
- Full EIA Spacing of .281" dia. holes which accept 1/4-20 studs or 10-32 clip nuts.
- Fixed panel rails recessed 0.3" on both front and rear.
- Flat, raised bottom for heavy equipment mounting.
- Recessed side lifting grips.
- Rubber feet and clip nuts provided.
- Available in all colors, stocked in GY2.
- Available in other colors on special order.
- Heights and widths are 1.0" larger than panel space.
- RCBS case will not accept drawer slides.

Panel Space in.	u	13.0 Depth Cat. No.	17.5 Depth Cat. No.	No. of Clip Nuts
3.5	2	RCBS 19 003 13 ¹ _____	¹ _____	8
5.25	3	RCBS 19 005 13 _____	RCBS 19 005 13 _____	
7.0	4	RCBS 19 007 13 _____	RCBS 19 007 17 _____	
8.75	5	RCBS 19 008 13 _____	RCBS 19 008 17 _____	
10.5	6	RCBS 19 010 13 _____	RCBS 19 010 17 _____	16
12.25	7	RCBS 19 012 13 _____	RCBS 19 012 17 _____	
14.0	8	RCBS 19 014 13 _____	RCBS 19 014 17 _____	

¹Specify finish with a 3 digit suffix

Stocked in GY2 only.

Tilt Bases

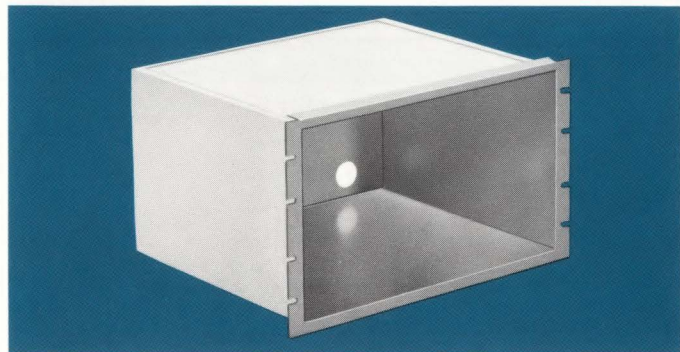
Used on desk tops or system rack tops to position cases at a more desirable viewing angle.

Finished in satin black.

Only suitable for the RCBS and RCHS series.

RABT 19 13 BK3 for 13.0" deep cases
RABT 19 17 BK3 for 17.5" deep cases

Equipment Shelf

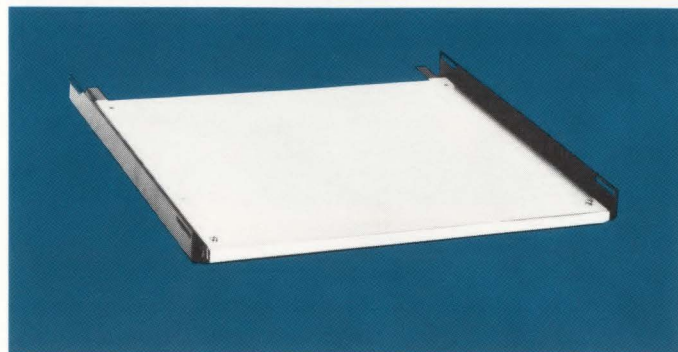


- A closed utility shelf with cord access holes 1.5" dia. in each bottom corner.
- **Finish** Choose from the color chart.
- **Parts List** 1 shelf only.
- **Material** CR Steel, 18 ga top and bottom, 14 ga sides.
- **Dimensions** (Inside) 17.2" wide, 15.0" deep. Height is 1.0" less than panel space.
- Will fit both RCHS & RCBS case.

u	Panel Height		Cat. No.
	mm	in.	
5	222	8.75	RASE 19 008 15 <u>1</u>
6	267	10.5	RASE 19 010 15 _____
7	311	12.25	RASE 19 012 15 _____

¹Specify finish with a 3 digit suffix.
Stocked in GY2.

Pull-Out Chassis/Shelf

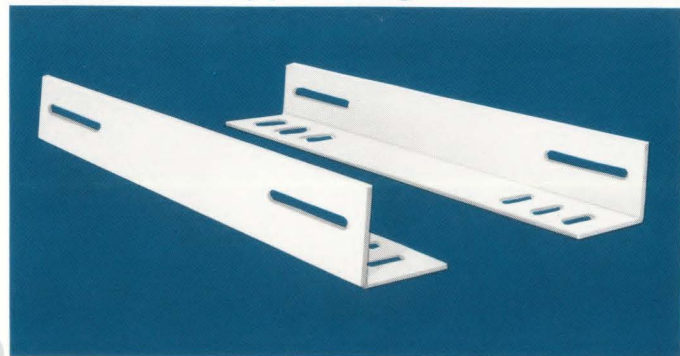


Note: 16" will not fit 17" deep case.

- Use as a permanently mounted support shelf between accessory rails or as a pull-out chassis. See slides on page 33.
- **Finish** Gloss white shelf, black brackets.
- **Parts List** 1 shelf, 2 support brackets, all mounting hardware.
- **Material** CR steel, 18 ga shelf, 14 ga brackets.
- **Dimensions** (shelf) 16.8" wide x 5" high. See table for depth.
- Will fit RCHS Series cases only.

Shelf Bracket Cat. No.	Shelf Depth		Bracket Depth	
	in	mm	in	mm
RASC 1912 WH2	11.9	302	13.25	337
RASC 1916 WH2	15.9	403	17.25	438
RASC 1922 WH2	21.9	556	23.25	590

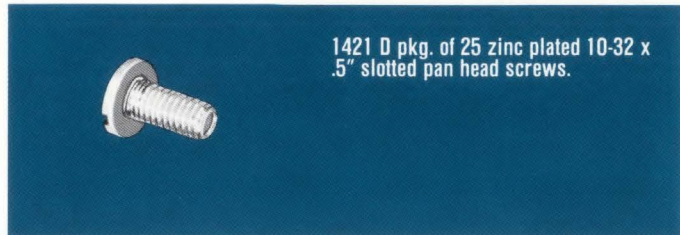
Adjustable Support Angles



- Complete with 2 angles, 4 clip nuts and 10-32 screws.

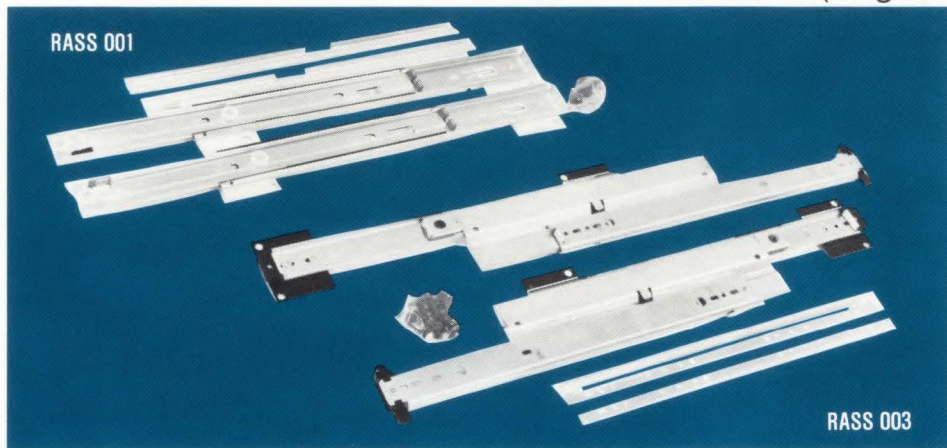
- Mount on accessory rails with either leg of angle used as support, depending upon requirements. Slots allow up-down or front back adjustments.
- **Finish** Gloss White.
- **Material** 14 ga CRS.
- **Dimensions** 1.75" x 1.75".

Cat. No.	Length	
	in	mm
RASA 12 WH2	9.97	253
RASA 16 WH2	16.28	413
RASA 22 WH2	22.28	565



Panel Screw Covers

- Polished stainless steel strips to cover panel mounting screws.
- Sold in pairs with mounting clips.



Equipment Slides

HEAVY

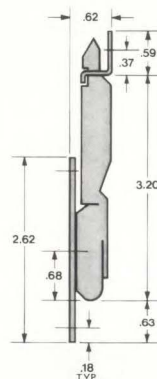
- For equipment of 4" height or more.
- Heavy duty 3 extension construction.
- Full travel, positive in and out stops.
- Extremely quiet ball bearing action.
- Quick disconnect catches hold equipment on slides during shipping.

LIGHT

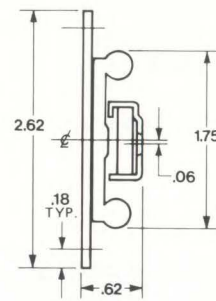
- For equipment of 1 3/4" height or more.
- Light duty 3 extension construction.
- Full travel, positive in and out stops.
- Ball bearing and nylon wheel action.
- Quick disconnect equipment removal.

Cat. No.	Length	Cat. No.	Length
1421 Q3	3.5	1421 Q14	14.0
1421 Q5	5.25	1421 Q17	17.5
1421 Q7	7.0	1421 Q21	21.0
1421 Q8	8.75	1421 Q22	22.0
1421 Q10	10.5	1421 Q26	26.25
1421 Q12	12.25	1421 Q28	28.0

- Pan head screws are required on all panels to be covered. Order 1421D (Pkg. 25).



For heavy load
RASS 003

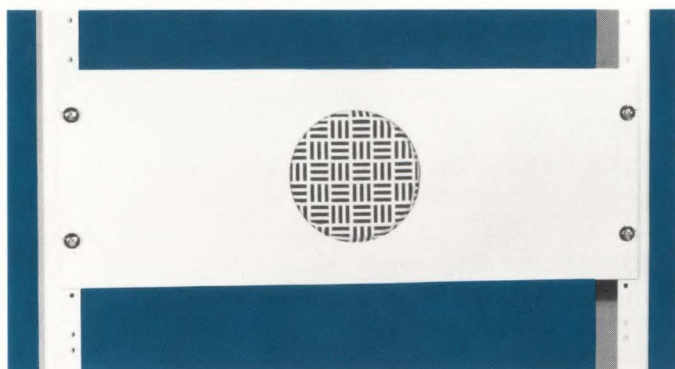


For light load
RASS 001

Cat. No.	Length	Load
RASS 05 003 12	12	150
RASS 05 003 16	16	150
RASS 05 003 22	22	130

Cat. No.	Length	Load
RASS 05 001 12	12	50
RASS 05 001 16	16	50
RASS 05 001 22	22	42

Speaker Panels



- 14 ga. steel panel with perforated steel grille over openings.
- Speakers are not included.

Cat. No.	Height		Speaker Size	
	u	in	in	mm
5-700 S	4	7.0	5	127
5-1050 S	6	10.5	8	203

Finish — ASA 61 grey only

Adjustable Support Bar



- Fastens between accessory rails to support extra deep or heavy equipment.
- Brackets can be located at 6 different heights within a 1.75" panel space.
- **Finish** Gloss White
- **Parts List** 1 cross channel, 2 brackets, all mounting hardware
- **Material** 16 ga. CRS
- **Dimensions** (channel) 1.1" x 0.5" x 17.8"

Cat. No. **RASB 19 WH2**

Steel Chassis Panels Plus Panels



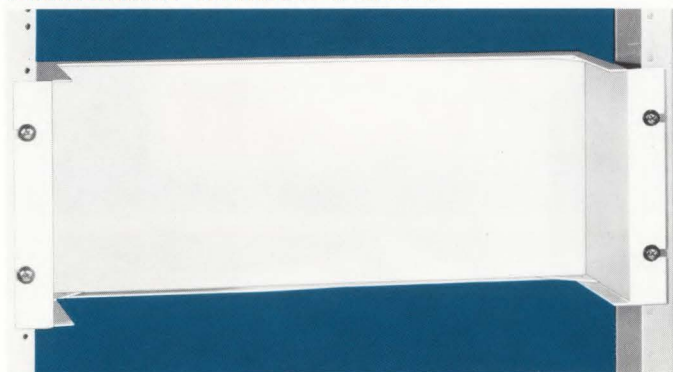
Panel is cut for clarity

- 16 ga. steel chassis is 17" wide by 3" deep.
- Special chassis punching to mount chassis to panel rails (screws supplied) and still allow panel mounting.

Cat. No.	Chassis Height		Panel Height	
	mm	in	u	in
5-350 D	79	3.1	2	3.5
5-525 D	124	4.9	3	5.25
5-700 D	167	6.6	4	7.0
5-875 D	213	8.4	5	8.75
5-1050 D	257	10.1	6	10.5
5-1225 D	302	11.9	7	12.25
5-1400 D	345	13.6	8	14.0

Finish — ASA 61 grey only

Aluminum Chassis Panels



- .064" natural finish aluminum.
- Chassis measures 17" wide by 5.25" deep.

Cat. No.	Height		Cat. No.	Height	
	u	in		u	in
7-350 D	2	3.5	7-1050 D	6	10.5
7-525 D	3	5.25	7-1225 D	7	12.25
7-700 D	4	7.0	7-1400 D	8	14.0
7-875 D	5	8.75			



STORAGE DRAWERS

Storage drawers have gloss white interiors and interchangeable faces which may be painted your choice of colors.

Handles may be installed at the top or, by inverting the face, at the bottom.

SLIDE MOUNTING

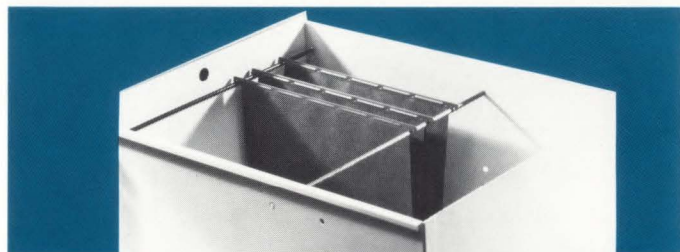
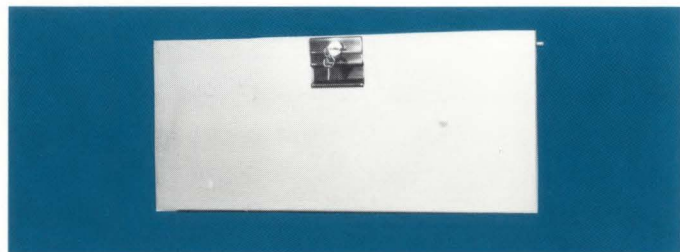
Storage drawers come with smooth, full-travel, ball bearing slides with quick release removal.

Slides mount on the accessory rails at both front and rear.

Panel Height			Drawer Body	Flat Drawer Face	Raised Drawer Face	² Specify finish with a 3 digit suffix from color chart (applies to face only).
u	mm	in				
2	9	3.5	RDDS 19 003 ¹ WH2	RDDF 19 003 ²	RDDF 19 003 01 ²	¹ Specify depth in blank 12 = 11.3" inside (287 mm) 16 = 15.3" inside (389 mm) 22 = 21.3" inside (542 mm)
3	133	5.25	RDDS 19 005 WH2	RDDF 19 005	RDDF 19 005 01	
4	178	7.0	RDDS 19 007 WH2	RDDF 19 007	RDDF 19 007 01	
5	222	8.75	RDDS 19 008 WH2	RDDF 19 008	RDDF 19 008 01	
6	267	10.5	RDDS 19 010 WH2	RDDF 19 010	RDDF 19 010 01	
7	311	12.25	RDDS 19 012 WH2	RDDF 19 012	RDDF 19 012 01	

Locking Kits — a one point (behind the panel rail) lock rod. All hardware, including a replacement handle pre-punched for lock is supplied. Handle must be installed at the top when using locks.

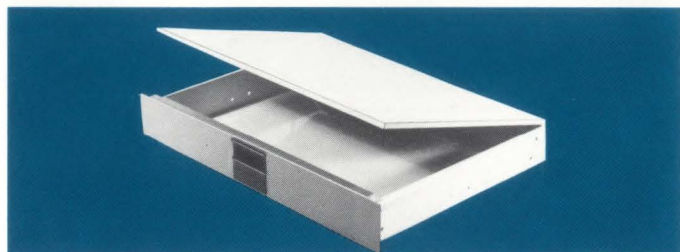
Cat. No.	Face Type
RDDL 19	19" flat
RDDL 19 01	19" raised



Hanging File Kit — for models RDDS 19 012 16WH2 and RDDS 19 012 22WH2 only.

Rods clip into holes provided — 16" drawers take letter size, 22" drawers take letter or legal size files.

Cat. No. RDDH 19

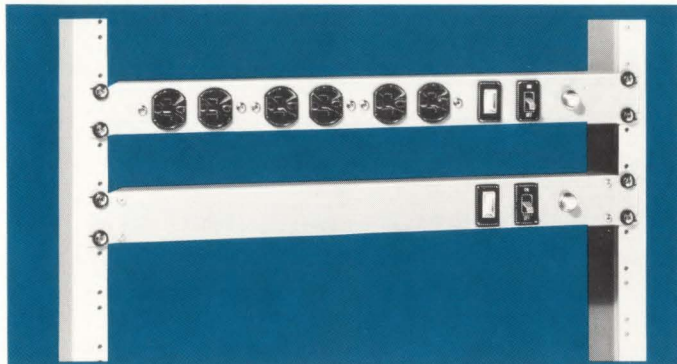


Lift-Up Writing Surface or Dust Cover — Hinged approximately 1.5" from the rear of the drawer to allow opening beyond 90°. High pressure laminate matches sand (SD4) desk tops.

Cat. No.	For Drawer	
RDDW 19 000 12 SD4	12" deep	(305 mm)
RDDW 19 000 16 SD4	16" deep	(406 mm)
RDDW 19 000 22 SD4	22" deep	(559 mm)

ACCESSORIES

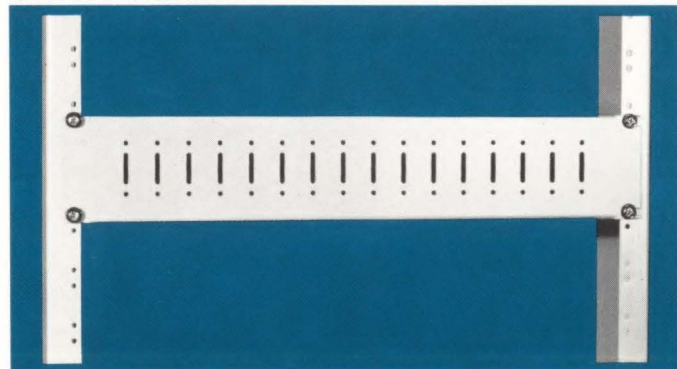
Power Panels



- Rated for 15 Amps @ 125 Volts
- Contains 6 receptacles, a 15 AMP breaker, switch and pilot light.
- Requires 1.75" panel height. (1U)
- U-ground cord, plug and receptacles.
- Finished in ASA 61 grey only.

Panel Width		6' Cord Cat. No.	15' Cord Cat. No.
in	mm		
19	483	Outlets on front 1582 H6A1	1582 H6B1
19	483	Outlets on rear 1583 H6A1	1583 H6B1

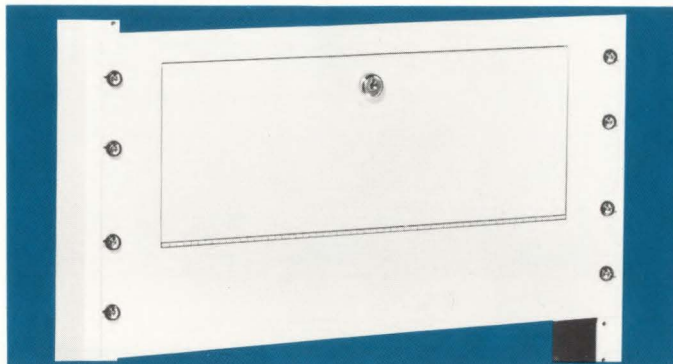
Switch Panel



- 16 ga. formed steel panels, 3.5" high.
- 16 slots 1.0X1.56" at 1.0" centers. Switch mounting holes are .156" dia. at 1.625" centers.

Cat. No. 5-350 SW
Finish — ASA 61 grey only

Access Door Panel

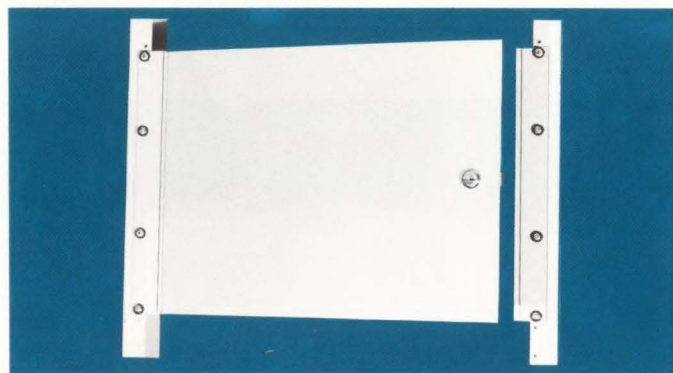


- Use as is for equipment access or fasten a chassis on the 3.5" space provided below the door.
- 14 ga. steel door with a 1427 B lock.

Cat. No.	Panel Height		Door Size	
	u	in	in	mm
5-1050 DS	6	10.5	6.0 x 15.0	152 x 381

Finish — ASA 61 grey only

Hinged Door Panels

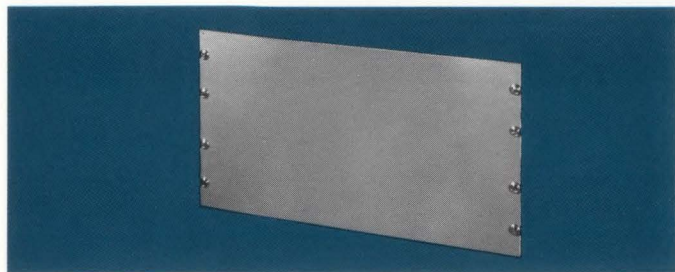


- 14 ga. steel door with a 1427 B lock
- Opening is full panel height by 16.2" wide.

u	Panel Height		Cat. No.
	mm	in	
3	133	5.25	PHPF 19 005 . . .
5	222	8.75	PHPF 19 008 . . .
7	311	12.25	PHPF 19 012 . . .

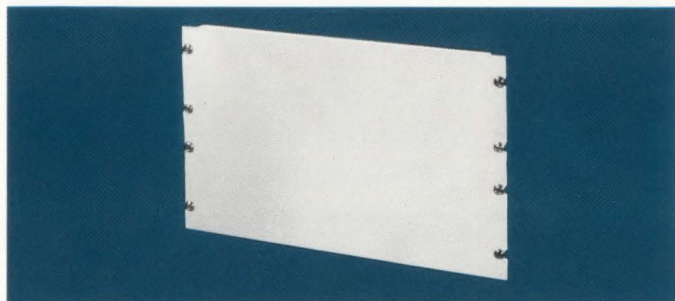
¹Specify finish with a 3 digit suffix GY1 or GF1

Stocked in GY2.



Flat Steel or Aluminum

Economical panels made from high quality cold rolled steel or aluminum.



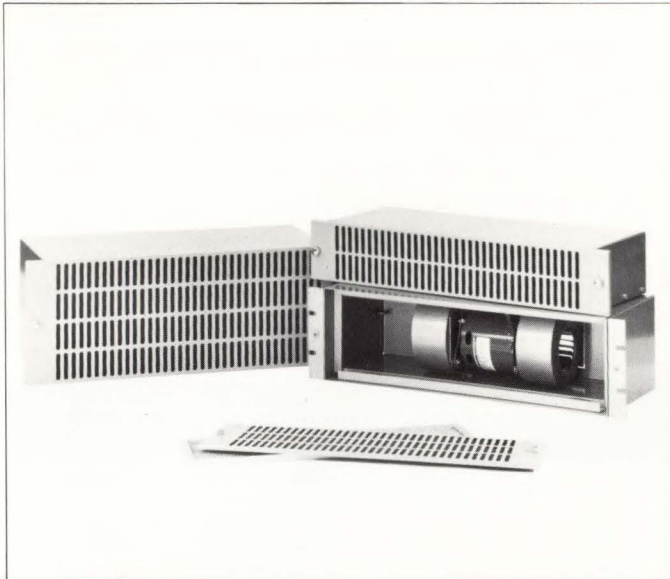
Formed Steel

A .50" fold top and bottom adds strength without increasing the panel thickness.

No. of Slots	Panel Height		Flat 14 Ga. Steel	Flat .125" Alum.	Formed 16 Ga. Steel
	u	in			
4	1	1.75	PBPS 19 001 _____	PBPA 19 001 _____ ¹	PBFS 19 001 _____ ¹
	2	3.5	PBPS 19 003 _____	PBPA 19 003 _____	PBFS 19 003 _____
	3	5.25	PBPS 19 005 _____	PBPA 19 005 _____	PBFS 19 005 _____
	4	7.0	PBPS 19 007 _____	PBPA 19 007 _____	PBFS 19 007 _____
	5	8.75	PBPS 19 008 _____	PBPA 19 008 _____	PBFS 19 008 _____
8	6	10.5	PBPS 19 010 _____	PBPA 19 010 _____	PBFS 19 010 _____
	7	12.25	PBPS 19 012 _____	PBPA 19 012 _____	PBFS 19 012 _____
	8	14.0	PBPS 19 014 _____	PBPA 19 014 _____	PBFS 19 014 _____
	9	15.75	PBPS 19 015 _____	PBPA 19 015 _____	PBFS 19 015 _____
	10	17.5	PBPS 19 017 _____	PBPA 19 017 _____	PBFS 19 017 _____
	11	19.25	PBPS 19 019 _____	PBPA 19 019 _____	PBFS 19 019 _____
	12	21.0	PBPS 19 021 _____	PBPA 19 021 _____	PBFS 19 021 _____
	13	22.75	PBPS 19 022 _____	PBPA 19 022 _____	PBFS 19 022 _____
10	14	24.5	PBPS 19 024 _____	PBPA 19 024 _____	PBFS 19 024 _____
	15	26.25	PBPS 19 026 _____	PBPA 19 026 _____	PBFS 19 026 _____
12	16	28.0	PBPS 19 028 _____	PBPA 19 028 _____	PBFS 19 028 _____
	17	29.75	PBPS 19 029 _____	PBPA 19 029 _____	PBFS 19 029 _____
	18	31.5	PBPS 19 031 _____	PBPA 19 031 _____	PBFS 19 031 _____

• Aluminum panels, when ordered unfinished, are paper covered on one side. (UNF)

1. Specify finish with a 3 digit suffix from color chart. See price list for stock colors.



Features

Centrifugal blower wheels
3 wire line cord (without plug)
Filter removeable from the front
Permanent washable filter
Upward discharge at rear of unit

Material Stainless steel front panel,
aluminum mesh filter.

Dimensions See table.

Electrical 115 V AC, 50/60 Hz.

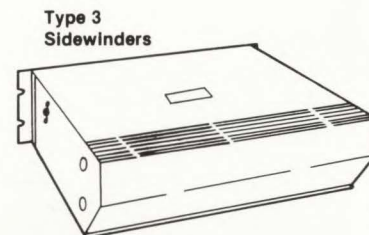
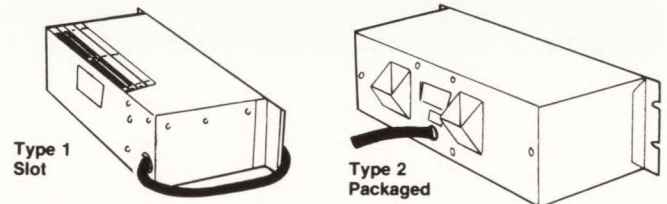
Finish Blower assembly is gray,
front panel is stainless steel.

Parts List 1 blower assembly with filter,
front panel and line cord.

Blowers

Blowers used in rack cabinets should be placed at the bottom to take advantage of convection currents.

Intake blowers have an advantage over exhaust in cooling efficiency and practicality. By pressurizing the cabinet with filtered air, dust is kept out and the greater turbulence created aids in the transfer of heat to the air.



Type	Panel Height in	u	Cat. No.	Air CFM	Noise NC	Depth into Rack	Extra Filters
1	3.5	2	RAVB 150 03	150	60	6.5	RAVF 03
2	5.25	3	RAVB 125 05	125	50	9.1	RAVF 05
2	5.25	3	RAVB 290 05	290	60	9.1	RAVF 05
2	7.0	4	RAVB 300 07	300	50	10.2	RAVF 07
3	3.5	2	RAVB 180 03	Hi 180 Lo 130	60 55	12	RAVF 03
3	5.25	3	RAVB 350 05	Hi 350 Lo 215	63 50	14.5	RAVF 05
3	7.0	4	RAVB 550 07	Hi 550 Lo 345	70 55	14.5	RAVF 07

Quantity of air required to carry away heat:

You must know the amount of dissipated heat to be removed and the temperature rise desired for the air. The equation relating the variables is $Q = MCp (\Delta t)$, or the heat removed equals the weight of the air times the temperature rise. If this equation is applied to air at room conditions on a rate basis, it reduces to:

$$cfm = \frac{Btu/hr}{1.95 (\Delta t_c)} = \frac{1760 kw}{(\Delta t_c)}$$

for the cubic feet of air required per minute when the

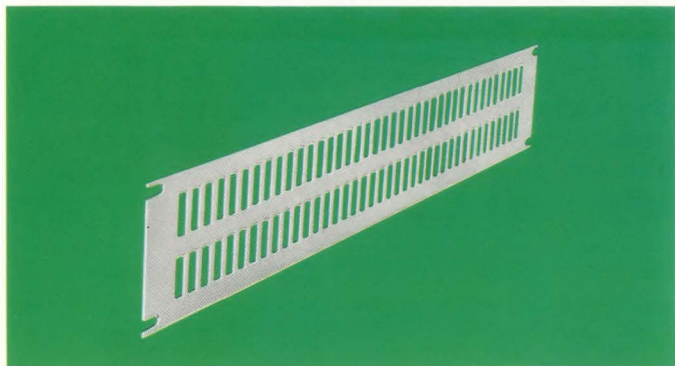
heat to be removed is known in Btu/hr or kilowatts and when the permitted average air temperature rise is known in Celcius degrees. In order to ensure adequate cooling in air pockets it is well to use about 25% excess air. A common design temperature rise is 10°C.

Filter Coat

Provides a filter adhesive with a grease-like consistency which absorbs and traps dust particles.

1475Q 1 pint spray can

Square Slot Panels

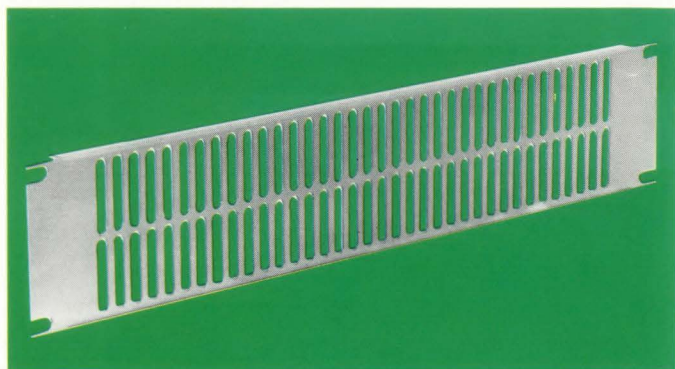


- 14 ga. CRS or .125" aluminum. (3 mm)
- Slots are .25" x 1.0" (6 x 25 mm)
- 1.75" (1u) panels have 9.7 sq. in. of opening in 1 row.
- 3.5" (2u) panels have 19.4" sq. in. of opening in 2 rows.

Panel Height		Cat. No.	Mat.
u	in		
1	1.75	PVSA 19 001	Alum.
2	3.5	PVSA 19 003	Alum.
1	1.75	PVSS 19 001	Steel
2	3.5	PVSS 19 003	Steel

*Specify finish with a 3 digit suffix from color chart.

Round Slot Panels

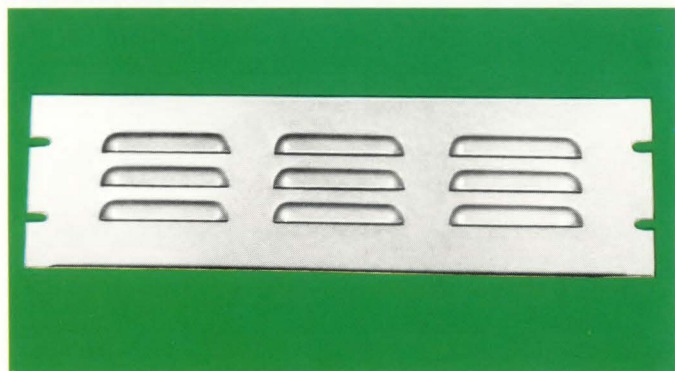


- 16 ga. CRS formed panels.
- Slots are .23" x 1.5" on .65 centres, 36 per row. (6 x 38 mm)

Panel Height		Cat. No.	Slots
u	in		
2	3.5	PVSS 19003 01	2 rows
3	5.25	PVSS 19005 01	3 rows

*Specify finish with a 3 digit suffix from color chart.

Louvred Panels



- 16 ga. CRS formed panels
- 3 rows of 4" (102 mm) wide louvres.
- All louvres face out except No. PVLK 19 005

Panel Height		Cat. No.
u	in	
3	5.25	PVLK 19 005
3	5.25	PVLL 19 005
4	7.0	PVLL 19 007
5	8.75	PVLL 19 008
6	10.5	PVLL 19 010
7	12.25	PVLL 19 012
8	14.0	PVLK 19 014
12	21.0	PVLK 19 021
16	28.0	PVLK 19 028

*Specify finish with a 3 digit suffix from color chart.

Nickel plated 10-32 x .5" countersunk, slotted oval head.

	1421 E25B	pkg. of 25
	1421 E100B	pkg. of 100

Stainless Steel 10-32 x 1.25" countersunk, philips oval head (the extra length is necessary for RAISED panels).

	1421 F25	pkg. of 25
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Black plastic cup washers for countersunk 10-32 screws.

	1421 A25W	pkg. of 25
	1421 A100W	pkg. of 100

10-32 x .75" philips oval head screws with plastic cup washers.

	1421A	pkg. of 4 screws and 4 washers
---	-------	--------------------------------

Nickel plated 10-32 x .5" thumb screws with threaded washers for captivating in panels up to 0.09" thick. Head is .62" dia. x .37" high.

	1421 B	pkg. of 4 screws and 4 washers
---	--------	--------------------------------

10-32 clip nuts for all panel rails and most other mounting positions in products. Has the holding strength of a standard 10-32 nut.

	1421 N25	pkg. of 25
	1421 N100	pkg. of 100

Nickel plated 10-32 x .75" countersunk, philips oval head.

	1421 A25B	pkg. of 25
	1421 A100B	pkg. of 100

Pan head screws are required for 1421Q panel screw covers.

	1421 D	pkg. of 25 zinc plated 10-32 x 5" slotted pan head screws
--	--------	---

Nickel plated metal cup washers for countersunk 10-32 screws.

	1421 E25 W	pkg. of 25
	1421 E100 W	pkg. of 100

Nickel plated 8-32 x .5" Phillips oval head with black nylon cup washers.

	1421 C	pkg. of 4
	1421 C25	pkg. of 25

Nickel plated #8 x .37" Phillips pan head, self-tapping.

	1421 J8	pkg. of 25
--	---------	------------

Zinc plated 1/4-20 x .5" slotted round head screws and keps nuts (captive star washers). Supplied with all panel rails and racks.

	1421 K25	pkg. of 25 screws & nuts
	1421 K100	pkg. of 100 screws & nuts

Nickel plated 6-32 x .25" Phillips truss head, self-tapping.

	1421 J6	pkg. of 25
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Zinc plated 8-32 speed clips (accepts 1421 J8).

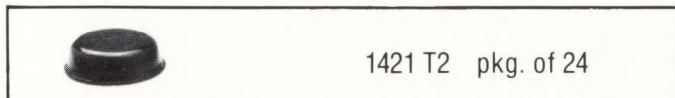
	1421 M8	pkg. of 25
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10-32 x .5" slotted oval head screws with steel cup washers.

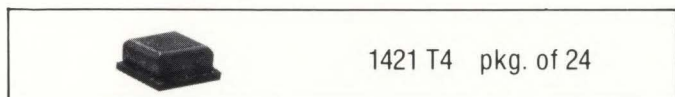
	1421	pkg. of 4 screws and 4 washers
--	------	--------------------------------

Rubber Feet

- self adhesive
.37 dia. x .12 high



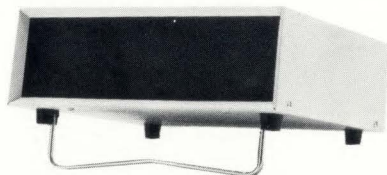
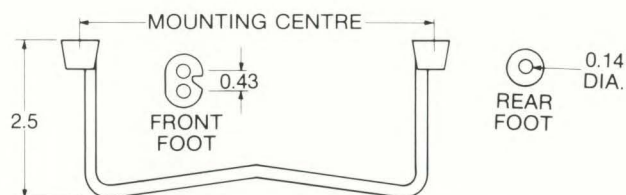
- self adhesive
.7 x .7 x .31 high



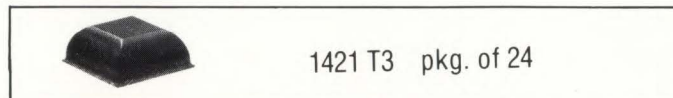
Bails (Tilt Stands)

- Bail locks in elevated or folded position.
- 4 screw-on nylon feet (0.6" high) provided.
- Bail is .18 dia. chromed steel.

Cat. No.	Mtg. Centres
1427 D5	5.5
1427 D7	7.0
1427 D10	10.0



- self adhesive
.5 x .5 x .25 high



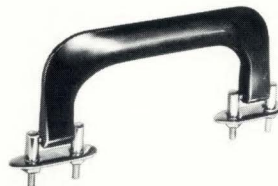
- screw-on with self-tapping screws provided.
.75 dia. x .5 high



Drawer Pull

- Matte chrome plated zinc.
- Length 5".
- Mounting centres 3.5".
- Supplied with #8-32 screws.

Cat. No. 1427H. Sold Singly.



Folding Handle

- Black, scratch resistant light weight polystyrene.
- Nickel plated steel support posts with hardware.
- Maximum steady load 60 lb.
- Length 5".

Cat. No. 1427F. Sold Singly.



Retractable Vinyl Handle

- Bright chrome caps on a fluted matte black soft vinyl strap.
- A spring steel core for maximum 50 lb. load.
- 8.8" overall length and .95" width end caps.
- Mounting centres 7.25".

Cat. No. 1427J. Sold singly.

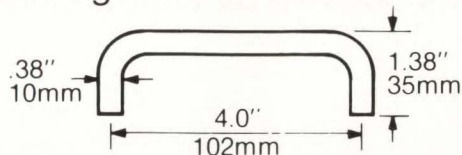
Touch Up Paint

Cat. No.	Color
1/4 pint tins of standard Hammond paint.	
1413 BK	Black
1413 CN	Chestnut
1413 GF	Gulf Blue
1413 L	ASA 61 Gray
1413 P	Goldtex
1413 PY	Putty Gray
1413 R	Greentex
1413 SD	Sand
1413 SK	Smoke Gray
Large spray can of ASA 61 Gray quick drying lacquer.	
1413 LS	ASA 61 Gray quick drying lacquer.
1413 BS	Black Spray quick drying lacquer.
1413 BGS	Beige Spray quick drying lacquer.

1427C1



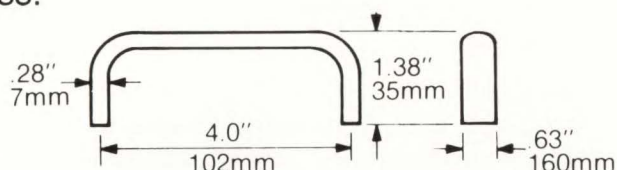
4" handle
.38" dia. bright nickel finished brass.



1427C2



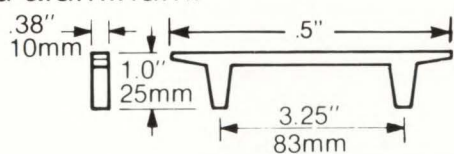
4" handle
.28" x .63" oval, satin nickel finished brass.



1427C3



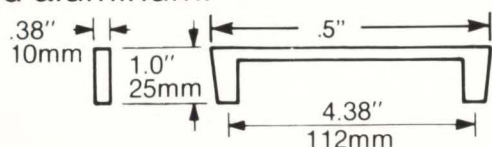
3.25" handle clear anodized satin finished aluminum.



1427C4



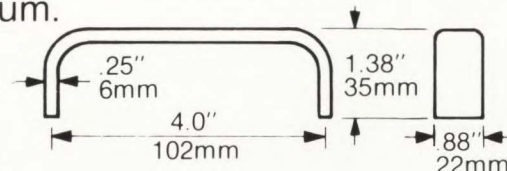
4.38" handle black anodized satin finished aluminum.



1427C5



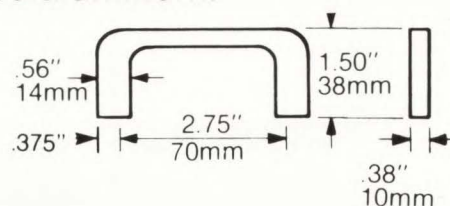
4" handle clear anodized satin finished aluminum.



1427C6



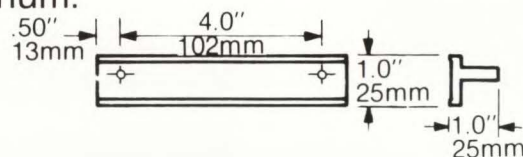
2.75" handle clear anodized satin finished aluminum.



1427C7



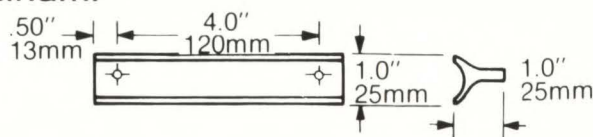
5" handle black anodized satin finished aluminum.



1427C8



5" handle black anodized satin finished aluminum.



Folding Instrument Handles

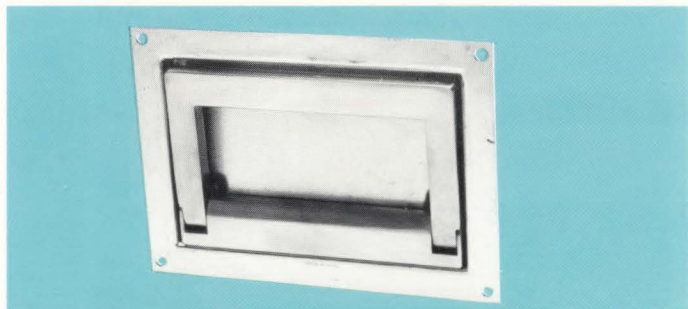


M3255-2001

Matt black handle carry capacity 100 kg (220 lb.)/pair. Silver colored plate, screw mounts inside or outside the housing wall. Sold in pairs.

M3255-0301

Clip for spot welding plate on M3255-2001 above. 4 pieces per handle. Sold in pkg. of 8.

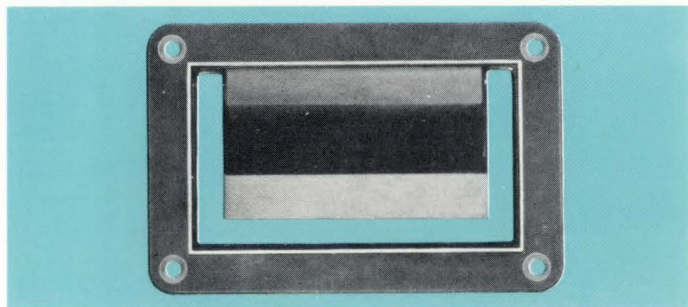


M262-14

Folding, polished aluminum handle. Sold in pairs, includes mounting screws. Carry capacity 150 kg (330 lb.)/pr.

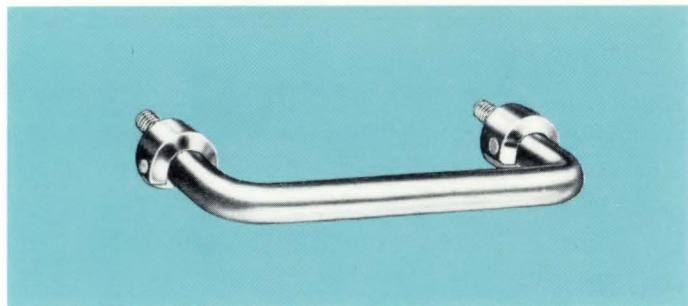
M262-01

Galvanized steel, flush mount screw down tray for M262-14 handle above. Sold in pairs. Screws included.



M263-1

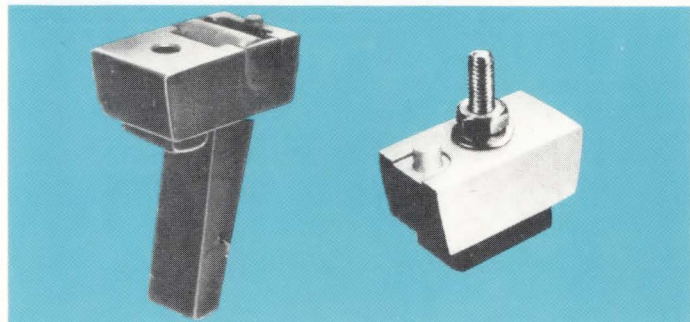
Folding, spring loaded polished steel handle on black tray. Carry capacity 125 kg (275 lb.)/pr. Sold in pairs. Installs inside or outside case. Screws not included.



M286-6

Chrome plated steel folding handle. Spring-locked. Comes with nuts and washers. Carry capacity 150 kg (330 lb.)/pr. Sold in pairs.

Case legs



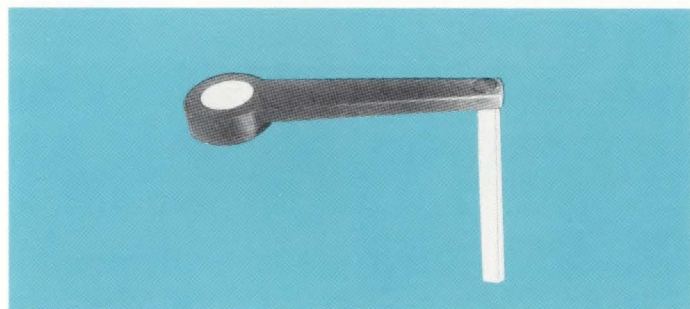
M3784-7001

Folding legs are spring-locked in open or closed position. Black polyamid, sold in pairs.

M797-24

Fixed rear legs. Black polyamid, sold in pairs. Screws and washers included.

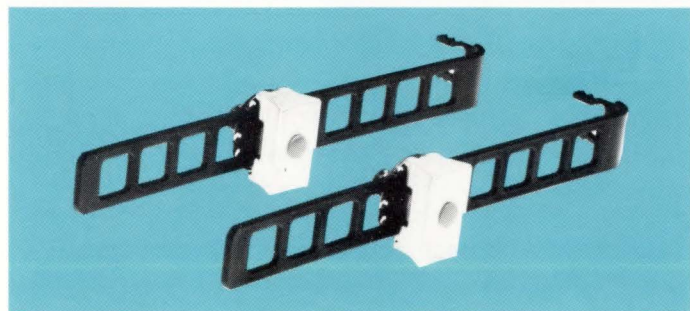
Carry and Prop-up Handles



M3783-7001

Carry and prop handle adjusts in 30° increments. Black polyamide rackets. Sold in pairs. 25 kg (55 lb.) carry capacity. Screws and caps included. M265-1000 1 metre (39") length polished aluminum grip material for cutting to size.

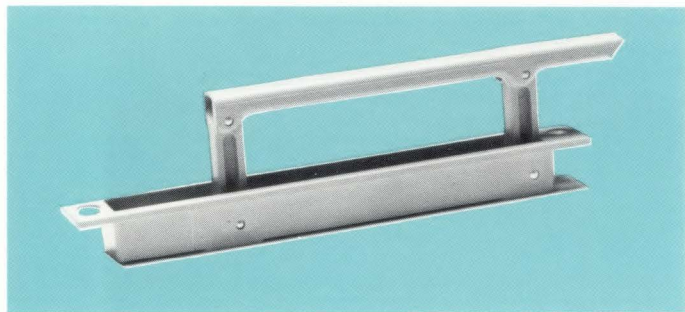
M3265-1003 1 Metre (39") length black anodized aluminum grip material for cutting to size.



M264-5

Handle locks in 12 different positions. Multiple height adjustments in 18 mm (.71") increments. Black anodized brackets. Sold separately. M264-1000 polished aluminum grip material 1 metre (39") lengths. Note: To fit grip material, cut to case width less 10 mm (.39").

Folding Carry Handles



M261-1

Grey polyamide folding handles carry up to 35 kg (77 lb.). Handle locks in open and closed positions. Sold in pairs. Screws and washers not included.

Fixed Carry Handles



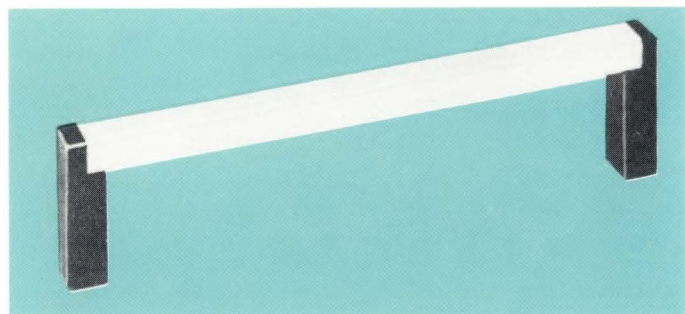
M1427-41 series

Black aluminum handles. Sold separately with nuts and washers.

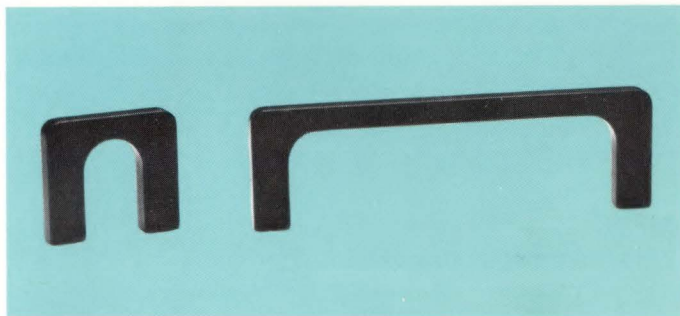
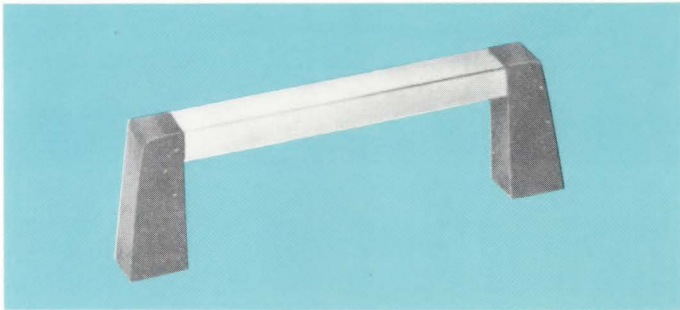
Dim. a	Weight:	Model No.
2.1 inches	.24 oz.	M1427-4103
3.4 inches	.42 oz.	M1427-4203
4.7 inches	.47 oz.	M1427-4303
7.0 inches	.57 oz.	M1427-4403
3.9 inches	.89 oz.	M1427-4603

M266 series

Black polyamide brackets with polished aluminum grips. Carry capacity 50 kg (110 lb.) each. Complete with screws and washers. Sold separately.



Dim. a	Weight:	Model No.
2.1 inches	1.0 oz.	M266-1
3.4 inches	1.2 oz.	M266-2
4.7 inches	1.4 oz.	M266-3
7.0 inches	1.7 oz.	M266-4
9.2 inches	2.1 oz.	M266-5
3.9 inches	1.3 oz.	M266-6
7.9 inches	1.8 oz.	M266-7



M265 series

Black polyamide brackets with polished aluminum grips. Capacity 50 kg (110 lb.) each. Complete with screws and washers. Sold separately.

Mounting Dimensions		Weight	Model No. black
a	b		
2.1 inches	2.9 inches	2.3 oz.	M265-55
3.4 inches	4.2 inches	2.5 oz.	M265-88
3.9 inches	4.6 inches	2.6 oz.	M265-100
4.7 inches	5.4 inches	2.8 oz.	M265-120
7.0 inches	7.8 inches	3.1 oz.	M265-180
9.2 inches	10 inches	3.5 oz.	M265-235

M3243-1861

Steel module handle with rounded edges. Includes screws and washers. Sold separately.

M3299 series

Matte anodized aluminum handles. Include screws and washers. Available in natural or black anodized. Sold separately.

Mounting Dimensions		Weight	Model No.	
A	B		natural	black
1.2 in	1.7 in	.84 oz.	M3299-1131	M3299-1133
2.9 in	3.4 in	1.1 oz.	M3299-1231	M3299-1233
4.7 in	4.8 in	1.4 oz.	M3299-1301	M3299-1303

M3268 series

Matte anodized aluminum handle. Complete with screws and washers. Sold separately.

Mounting Dimensions		Weight	Model No.
a	b		
.98 inches	1.6 inches	1.4 oz.	M3268-1001
1.6 inches	2.1 inches	1.2 oz.	M268-0
2.1 inches	2.7 inches	1.4 oz.	M268-1
3.4 inches	4.0 inches	1.7 oz.	M268-2
4.7 inches	5.2 inches	2.1 oz.	M268-3
7.0 inches	7.6 inches	2.8 oz.	M268-4
9.2 inches	9.8 inches	3.5 oz.	M268-5

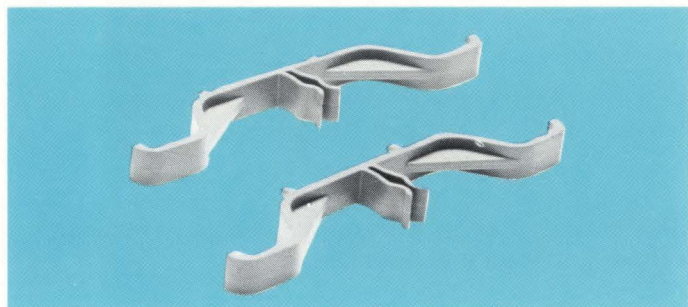


M250 series

Black nylon carry handles. Screws and washers included. Sold separately.

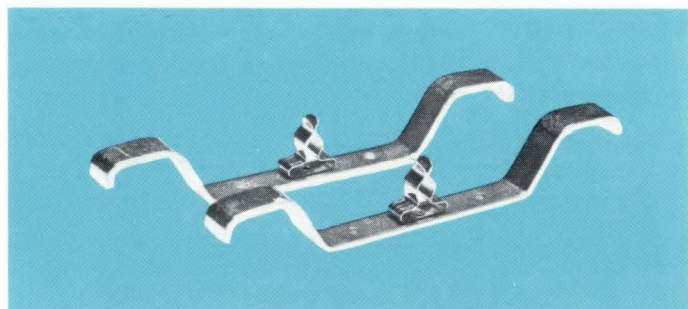
Dimensions inches					Im Chassis	Load Capacity	Weight	Model No.
a	b	c	d	h				
2.6	2.9	.31	.47	1.2	.16 in	55 lbs.	.35 oz.	M250-663
3.9	4.3	.35	.51	1.3	.17 in	66 lbs.	.7 oz.	M250-1003
5.4	6.1	.51	.78	1.6	.19 in	132 lb.	1.75 oz.	M250-1393

Cable Brackets



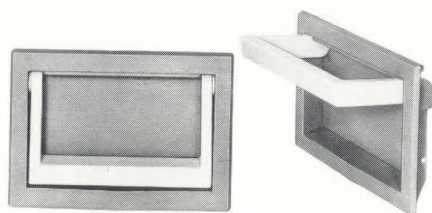
M795

Grey plastic brackets with spring elements. Sold in pairs.



M795-2

Zinc-plated steel brackets. Sold in pairs.



Recessed Lifting Grip

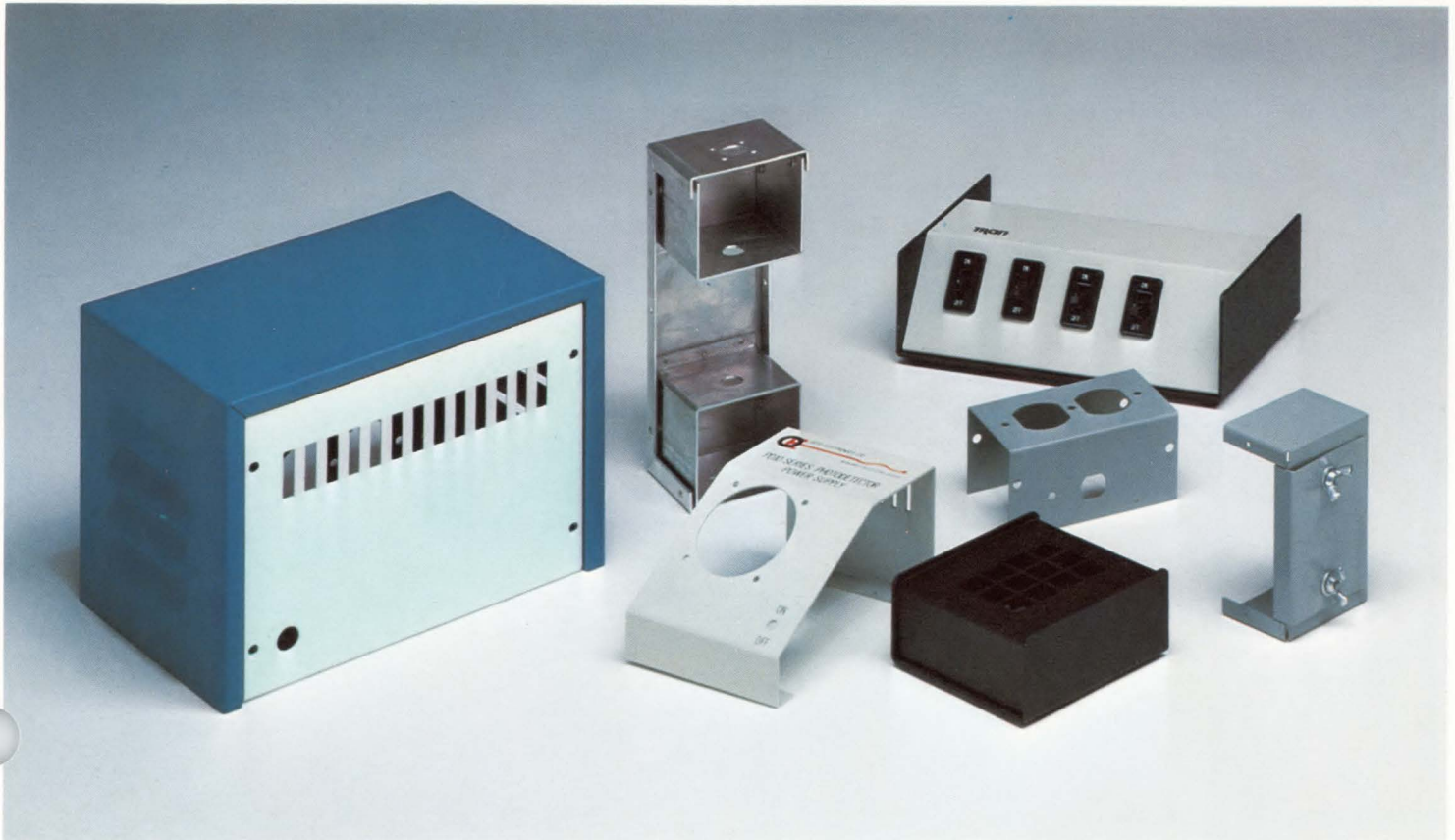
- One piece light grey nylon.
- Supplied with countersink screws and bolts.
- 4" long by 2" high and projects .49" into cabinet.

Cat. No. 1427R. Sold singly.

Recessed Folding Handle

- Two-tone grey plastic.
- Steady load capacity of 75 lb. per handle.
- For sheet material from .035" to .078", side mounted only.
- Simple installation secured by 2 clips, supplied.
- 5" wide by 3.5" high and projects .57" into cabinet.

Cat. No. 1427K. Sold singly.



The standard cases displayed in this catalog may not be suitable for your application. Hammond Manufacturing can produce cabinetry to your specifications, in quantities. The price, naturally, will vary according to design and quantity. Below are some suggestions to help you keep the costs down and the deliveries short.

Custom (Totally unlike standard)

Here the additional engineering time and expense is a factor. There are two ways to approach a custom design.

1. **TO YOUR DESIGN** — We still must produce our own engineering drawings but delays are reduced because the mechanical aspects have been detailed. Allowing for some modifications may eliminate tooling charges.

2. **OUR DESIGN** — Our staff of designers and draftsmen can produce an efficient enclosure if you provide all the requirements (hole sizes or component samples etc.) A general description of marketing requirements would also be helpful to determine the emphasis on aesthetics, the human factors, aspects, the cost, etc. Naturally, more time is required here for prototypes, approvals, changes etc., so plan well ahead.

Modified Standard

This is usually the most economical since the engineering drawings and tooling already exist and for the same reasons, delivery won't be impeded by technical difficulties.

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