

CENTURION® ELITE STANDARD ALUMINUM CASES

TOP-OF-THE-LINE QUALITY AND STYLE

High strength, light weight and clean, simple lines characterize these unique carrying cases.

The seamless, clean surfaces of the deep drawn aluminum case shells, accented by their distinctive styling beads, are now available in either a clear anodized finish which highlights the natural beauty of satin-anodized aluminum, or in a textured black powder paint finish.

The strength and durability of these cases has been proven in actual use around the world. They are dust and weather resistant, and every case is strong enough to stand on, thanks to specially heat-treated shells. Despite this, even the largest case weighs only 17 pounds.

OUTSTANDING PERFORMANCE

These cases offer the ultimate in appearance, reliability and versatility. Positive-locking latches assure secure closing, while complementing the clean styling of each case.

A fully-gasketed tongue-and-groove closure extrusion, mechanically formed and compressed onto the shells, offers better sealing and case integrity while permitting installation of adjustable panel support brackets (optional) at significant savings over other methods of attaching angles for panel-mounted equipment. Blank panels are available for all cases by special order.



SERIES	SPECIAL FEATURE
100X (pg. 16-17)	Standard Case
200X (pg. 18-19)	EMI/Environmental Protection
700X (pg. 20)	Separable Hinges
ZEROLLER (pg. 15)	Two Wheeled System

SPECIFICATIONS FOR CENTURION® ELITE CASES

CASE SHELL	Deep drawn aluminum alloy, heat treated.	HINGE	100X: Piano-type (continuous) aluminum with stainless steel pin riveted to case. 200X & 700X: Two (2) separable hinge assemblies, nickel plated stainless steel riveted to case.
CLOSURE	Interlocking tongue and groove extrusion of 6063-T5 aluminum alloy, mechanically formed and compressed to case shell. Lower closure accepts panel support brackets. 100X, 200X and 700X only	LOCK	Combination lock 100X and 700X Series only
SEAL	Elastomeric neoprene gasketed seal.	FEET	Aluminum—riveted to case.
LATCHES	100X & 700X: Two positive locking bail type; chrome plated, 200X: has one keyed latch, one bail type.	NAMEPLATE	ZERO nameplate mounted on upper case shell above lock.
HANDLE	Gray injection molded acrylic based multi-polymers. Maximum weight 60 lbs.	SILVER FINISH	Satin sulfuric acid anodized on all exposed surfaces.
		BLACK FINISH	Black powder paint interior and exterior. 100X and 700X Series only
		ZEROLLER WHEELED CASE	See Page 15
		TOLERANCE	±.06"



THE WHEELED INDUSTRIAL CASE

Tired of carrying that case filled with instruments, tools or sales samples? The answer is ZeRoller™.

It combines the ultimate carrying case with a rolling system engineered to make transport as easy as possible.

The roller system is mounted externally so there is very little intrusion on the inside of the case.



ZEROLLER SYSTEM FEATURES

Handle	<i>Pultruded fiberglass designed to deflect several hundred pounds of force and return to the original position.</i>
Wheels	<i>Rubber with ball bearings.</i>
Housing	<i>Constructed of high-impact resistant plastics.</i>
Interior Options	<i>Layered foam (order using part number ZP21745-1 for 105ZRX or ZP21745-3 for 107ZRX). Divider system.</i>

CASE NUMBERS & DIMENSIONS

Case No.	Outside Width	Outside Length	Inside Height	Upper Shell Inside Height	Lower Shell Inside Height	Material Thickness	Approx. Net Wt.
105ZRX-SI / ON*	13.00	21.00	6.50	2.75	3.75	.040	8.7
107ZRX-SI / ON	13.00	21.00	7.50	3.75	3.75	.040	8.9

Note: Measurements shown in inches. Weight shown in pounds. *Not a stock item. Price and delivery available by calling the ZERO Stock Sales Department.

100X SERIES

Fixed Hinges

THE 100X SERIES

This series is available in 26 standard sizes. Constructed of durable aluminum alloy, choose from either a clear silver anodized or a textured black powder paint finish.

Each style comes equipped with a triple digit combination lock, and fixed hinge. Just add your equipment and go.

For complete information on dimensions and weights, see page 17.

OPTIONAL ACCESSORIES

FOAM CUSHION SETS—Choose from a blank layered cushion set or a diced layered cushion set (available for case numbers 100X, 102X, 103X, 105x, 106X, 110X only). Each is made of a gray two pound density polyurethane foam. See page 26.

PANEL—See page 17 for panel dimensions and drawing specifications.

BRACKETS—See page 20 for drawing, part number and installation instructions.

CASTER KIT—available only on case numbers 109X, 110X and 129X.



Case shown with optional panel support brackets.

ORDERING INFORMATION

Order by part number for each item (case, panel and/or brackets)

Case _____ X- _____ Color/Finish-Options = SI (Silver/Clear Anodized)
 Ordering example: 101X-SI ON (Onyx/Black Powder Paint)

If panel needed: ZP108000- _____ (see part numbers in Table 2, page 19)

If brackets needed: ZP20653-1 (specify quantity)

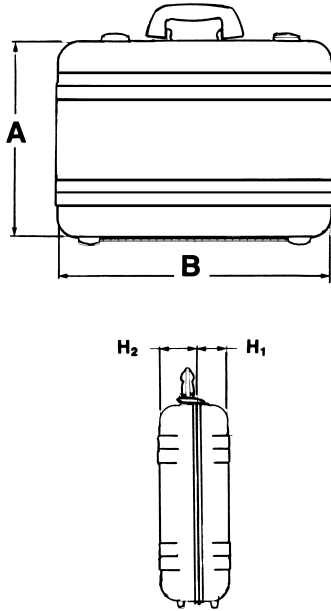
Note: See page 26 for ordering foam cushion sets.

100X SERIES

Fixed Hinges

TABLE 1: 100X SERIES ZERO Centurion® Elite Cases (standard configuration)

BASIC SHELL DIMENSIONS AND CASE SPECIFICATIONS



CASE NUMBER	EXTERIOR		H ¹ INTERIOR HEIGHT	H ² UPPER SHELL HEIGHT, I.D.	LOWER SHELL HEIGHT, I.D.	APPROX MATERIAL THICKNESS	NET WEIGHT LBS
	A WIDTH	B LENGTH					
*132X-SI ON	8.50	19.75	14.49	1.20	13.29	.051	8.1
100X-SI ON	9.00	12.00	5.00	2.00	3.00	.040	3.3
101X-SI ON	9.00	16.00	7.75	2.50	5.25	.051	5.0
116X-SI ON	9.00	16.00	14.50	2.50	12.00	.051	7.2
*128X-SI ON	10.00	36.00	4.00	2.00	2.00	.040	7.0
*130X-SI ON	10.00	48.50	4.00	2.00	2.00	.040	9.2
*138X-SI ON	11.25	16.50	3.25	1.50	1.75	.040	4.4
*140X-SI ON	12.00	32.50	4.50	1.50	3.00	.040	8.0
102X-SI ON	13.00	18.00	4.50	2.00	2.50	.040	5.0
103X-SI ON	13.00	18.00	6.00	2.50	3.50	.040	5.4
*104X-SI ON	13.00	18.00	3.50	1.50	2.00	.040	5.0
105X-SI ON	13.00	21.00	6.50	2.75	3.75	.040	6.1
107X-SI ON	13.00	21.00	7.50	3.75	3.75	.040	6.3
*134X-SI ON	13.00	26.50	7.00	3.00	4.00	.051	7.2
*136X-SI ON	13.58	18.58	7.00	3.00	4.00	.040	5.7
*122X-SI ON	14.12	49.37	4.44	2.00	2.44	.040	16.8
114X-SI ON	17.00	18.00	12.00	2.00	10.00	.040	8.6
106X-SI ON	17.00	21.00	7.50	3.00	4.50	.051	8.4
111X-SI ON	18.00	24.00	7.00	3.00	4.00	.051	9.5
112X-SI ON	18.00	24.00	8.00	3.50	4.50	.051	10.0
113X-SI ON	18.00	24.00	8.50	4.00	4.50	.051	10.0
109X-SI ON	18.00	26.00	8.44	3.75	4.69	.051	10.7
110X-SI ON	18.00	26.00	8.94	4.25	4.69	.051	10.8
*142X-SI ON	18.00	26.00	10.25	3.25	7.00	.063	14.3
*126X-SI ON	19.10	50.35	6.25	2.25	4.00	.051	17.3
129X-SI ON	20.00	29.00	9.82	4.91	4.91	.051	13.8

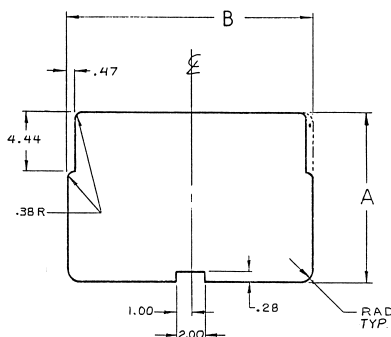
Measurements shown in inches.

*Bead configuration differs from illustration shown, contact ZERO for detailed information. NOTE: Width and length are exterior dimensions, height is an interior dimension. Lower shell of Model 114X, 116X and 132X complete with spot welded wrap-around riser section. IMPORTANT: If you are planning to install a panel in your case, please check dimensioning of closure extrusions illustrated above.

°Case numbers 109X, 110X, 111X, 112X, 113X, 114X, 122X, 126X, 128X, 130X, 132X, 134X, 136X and 140X in Onyx are non-stock items. Price and delivery available upon request. °° 142X available in Onyx only, non-stock.

TABLE 2: Standard 100X Series Instrument Panels (.090" 6061-T6 Aluminum Alloy)

Case Number	A	B	Radius	Part Number
100X	8.22	11.22	.62	ZP108000-100
101X	8.20	15.20	.84	ZP108000-101
102X	12.22	17.22	.84	ZP108000-102
103X	12.22	17.22	.84	ZP108000-103
104X	12.22	17.22	.84	ZP108000-104
105X / 107X	12.22	20.22	.84	ZP108000-105
106X	16.20	20.20	.84	ZP108000-106
109X	17.20	25.20	.84	ZP108000-109
110X	17.20	25.20	.84	ZP108000-110
111X	17.20	23.20	.84	ZP108000-111
112X	17.20	23.20	.84	ZP108000-112
113X	17.20	23.20	.84	ZP108000-113
114X	16.22	17.22	.84	ZP108000-114
116X	8.20	15.20	.84	ZP108000-116
122X	13.34	48.59	.84	ZP108000-122
126X	18.30	49.55	1.59	ZP108000-126
128X	9.22	35.22	.84	ZP108000-128
129X	19.20	28.20	.84	ZP108000-129
130X	9.22	47.72	.84	ZP108000-130
132X	7.70	18.95	.84	ZP108000-132
134X	12.20	25.70	.84	ZP108000-134
136X	12.80	17.80	.84	ZP108000-136
138X	10.47	15.72	.84	ZP108000-138
140X	11.22	31.72	.84	ZP108000-140
142X	17.17	25.17	.59	ZP108000-142



FOR BRACKET DRAWING, PART NUMBER AND INSTALLATION INSTRUCTIONS SEE PAGE 20.

200X SERIES EMI/ENVIRONMENTAL PROTECTION

ZERO takes a significant step forward with this line of EMI shielded carrying cases.

Designed to provide a minimum of 45 dB protection from 30MHz to 1GHz, these cases offer the case specifier a secure, yet economical solution to shielding problems often encountered in portable applications.

Available in many standard sizes, the Centurion® 200X Series is an ideal choice for a variety of applications.

The 200X Series cases are supplied with separable hinges.



200X Series Case shown with optional panel support brackets and EMI gasket.

Optional Environmental Seal

ZERO'S Design Engineers have developed a special, environmentally sealed mounting panel which utilizes the same closure system as that of the EMI version. This permits operation of an open case in field portable situations without damage to internal components and circuits.

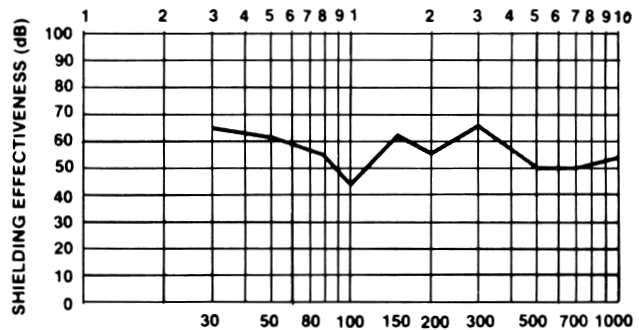


200X Series Case shown with optional panel support brackets installed.

CERTIFIED SHIELDING EFFECTIVENESS BY INDEPENDENT TESTING

ZERO's Centurion® Elite 200X Series have been tested by Chomerics, Inc., one of the nation's leading independent laboratories specializing in EMI/RFI emissions testing.

Every 200X carrying case provides a minimum of 45dB effectiveness to 1GHz. For additional information, please contact your nearest representative.



ORDERING INFORMATION 200X

Order by Part Number for Each Item (Case, Panel and/or Brackets)

Case _____ X- _____ (Gasket-Options = W (Weather Gasket)
Ordering Example: 201X-W = E (EMI Gasket)

If Panel Needed: ZP20568-_____ (see Table 2 on page 19 for correct number)

Ordering Example: ZP20568-3

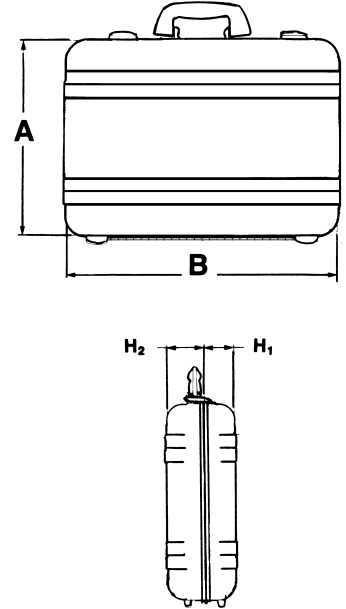
If Brackets Needed: ZP20654-1 (specify quantity)

200X SERIES EMI/ENVIRONMENTAL PROTECTION

See page 14 for case specifications.

CASE NUMBER	EXTERIOR		INTERIOR HEIGHT	H ¹ UPPER SHELL HEIGHT, I.D.	H ² LOWER SHELL HEIGHT, I.D.	MATERIAL THICKNESS	APPROX NET WEIGHT LBS
	A WIDTH	B LENGTH					
200X	9.00	12.00	5.00	2.00	3.00	.040	3.3
201X	9.00	16.00	7.75	2.50	5.25	.051	5.0
° 240X	12.00	32.50	4.50	1.50	3.00	.040	8.0
202X	13.00	18.00	4.50	2.00	2.50	.040	5.0
203X	13.00	18.00	6.00	2.50	3.50	.040	5.4
205X	13.00	21.00	6.50	2.75	3.75	.040	6.1
207X	13.00	21.00	7.50	3.75	3.75	.040	6.3
° 234X	13.00	26.50	7.00	3.00	4.00	.051	7.2
° 236X	13.58	18.58	7.00	3.00	4.00	.040	5.7
206X	17.00	21.00	7.50	3.00	4.50	.051	8.4
° 211X	18.00	24.00	7.00	3.00	4.00	.051	9.5
° 212X	18.00	24.00	8.00	3.50	4.50	.051	10.0
° 213X	18.00	24.00	8.50	4.00	4.50	.051	10.0
° 209X	18.00	26.00	8.44	3.75	4.69	.051	10.7
° 210X	18.00	26.00	8.94	4.25	4.69	.051	10.8
229X	20.00	29.00	9.82	4.91	4.69	.051	13.8

BASIC SHELL DIMENSIONS AND CASE SPECIFICATIONS



Measurements shown in inches.

NOTE: Width and length are exterior dimensions, height is an interior dimension. IMPORTANT: If you are planning to install a panel in your case, please check dimensioning of closure extrusions (see Section AA) for proper fit.

°Case numbers 209X, 210X, 211X, 212X, 213X, 234X, 236X and 240X are non-stock items. Price and delivery available upon request.

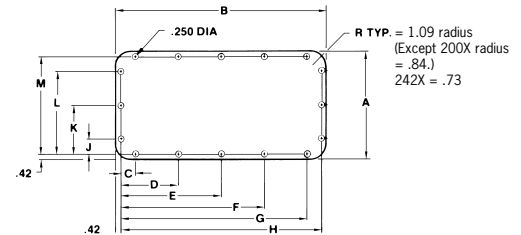


Table 2: Standard 200X Series Instrument Panels
(.125" 6061-T6 Aluminum Alloy. Furnished with a chemical film finish.)

CASE NUMBER	PART NUMBER	A	B	C	D	E	F	G	H	J	K	L	M	# OF HOLES
200X	- 1	8.520	11.520	2.340	-	-	-	8.340	10.680	1.580	-	6.080	7.660	8
201X	- 3	8.500	15.500	3.580	-	-	-	11.080	14.660	1.580	-	6.080	7.660	8
202X, 203X	- 5	12.520	17.520	3.590	-	8.340	-	13.090	16.680	1.840	-	9.840	11.680	10
205X, 207X	- 7	12.520	20.520	3.715	-	9.840	-	15.965	19.680	1.840	-	9.840	11.680	10
206X	- 9	16.500	20.500	3.715	-	9.840	-	15.965	19.680	1.830	7.830	13.830	15.660	12
209X, 210X	- 11	17.500	25.500	1.580	8.705	-	15.955	23.080	24.660	1.580	8.330	15.080	16.660	14
211X, 212X, 213X	- 13	17.500	23.500	1.580	8.080	-	14.580	21.080	22.660	1.580	8.330	15.080	16.660	14
228X	- 17	9.520	35.520	1.590	9.465	17.340	25.215	33.090	34.680	1.590	-	7.090	8.680	14
229X	- 19	19.500	28.500	1.580	7.705	13.830	19.355	26.080	27.660	1.580	9.330	17.080	18.660	16
234X	- 29	12.500	26.000	1.625	8.928	-	16.231	23.535	25.160	1.830	-	9.830	11.660	12
236X	- 31	13.100	18.100	3.590	-	8.629	-	13.668	17.258	1.838	-	10.424	12.258	10
240X	- 33	11.520	32.020	1.590	8.840	15.590	22.340	29.590	31.180	1.715	-	8.965	10.680	14
242X	- 35	17.460	25.460	1.560	8.726	-	15.896	23.060	24.620	1.580	8.310	15.040	16.620	14

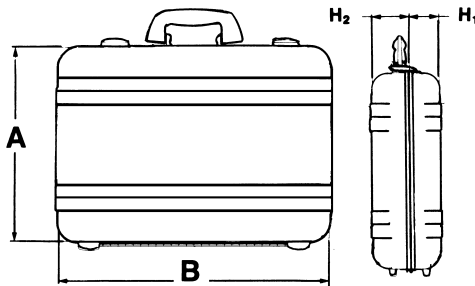
FOR BRACKET DRAWING, PART NUMBER AND INSTALLATION INSTRUCTIONS SEE PAGE 20

700X SERIES

Separable Hinge Cases



BASIC SHELL DIMENSIONS AND CASE SPECIFICATIONS



MODEL	EXTERIOR		INTERIOR HEIGHT	H ¹ UPPER SHELL HEIGHT, I.D.	H ² LOWER SHELL HEIGHT, I.D.	MATERIAL THICKNESS	APPROX. NET WEIGHT LBS
	A WIDTH	B LENGTH					
700X- SI	9.00	12.00	5.00	2.00	3.00	.040	3.3
701X- SI	9.00	16.00	7.75	2.50	5.25	.051	5.0
°716X- SI	9.00	16.00	14.50	2.50	12.00	.051	7.2
738X- SI	11.25	16.50	3.25	1.50	1.75	.040	4.4
°740X- SI	12.00	32.50	4.50	1.50	3.00	.040	8.0
702X- SI	13.00	18.00	4.50	2.00	2.50	.040	5.0
703X- SI	13.00	18.00	6.00	2.50	3.50	.040	5.4
704X- SI	13.00	18.00	3.00	1.50	2.00	.040	10.8
705X- SI	13.00	21.00	6.50	2.75	3.75	.040	5.0
707X- SI	13.00	21.00	7.50	3.75	3.75	.040	6.3
°734X- SI	13.00	26.50	7.00	3.00	4.00	.051	7.2
°736X- SI	13.58	18.58	7.00	3.00	4.00	.040	5.7
°714X- SI	17.00	18.00	12.00	2.00	10.00	.040	8.6
706X- SI	17.00	21.00	7.50	3.00	4.50	.051	8.4
°713X- SI	18.00	24.00	8.50	4.00	4.50	.051	10.0
°709X- SI	18.00	26.00	8.50	3.75	4.69	.051	10.7
°710X- SI	18.00	26.00	9.00	4.25	4.69	.051	10.8
°°742X- ON	18.00	26.00	10.25	3.25	7.00	.063	14.3
°729X- SI	20.00	29.00	9.82	4.91	4.91	.051	13.8

For Standard 700X Series Instrument Panels Use Table 2 On Page 17.

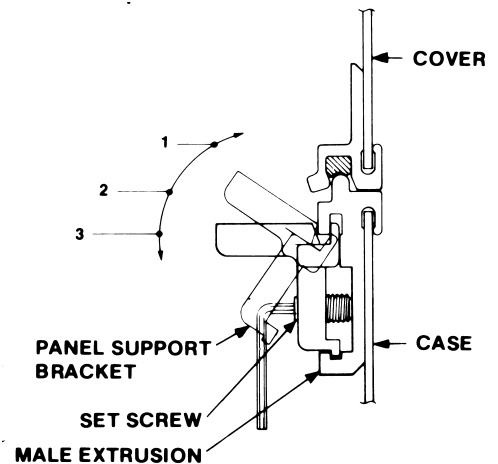
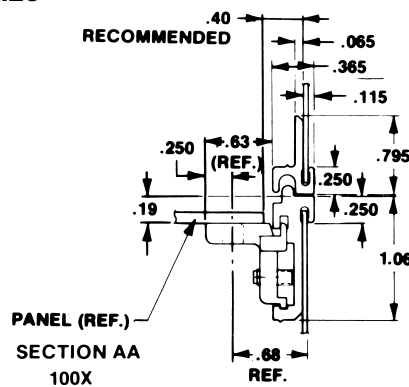
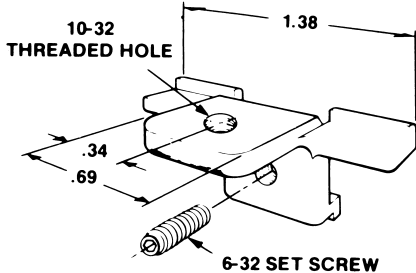
NOTE: Width and length are exterior dimensions, height is an interior dimension. IMPORTANT: If you are planning to install a panel in your case, please check dimensioning of closure extrusions illustrated above.

°Case numbers 713X, 714X, 716X, 729X, 734X, 736X, 738X and 740X are non-stock items. Price and delivery available upon request. °° 742X available in Onyx only, non-stock.

* Onyx finish is available for all sizes. Call for price and delivery. *

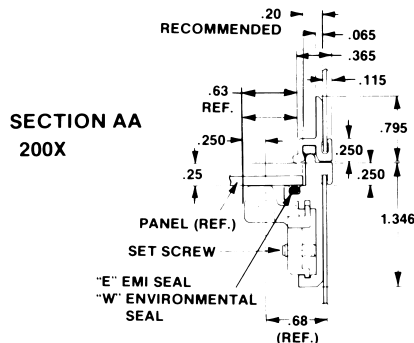
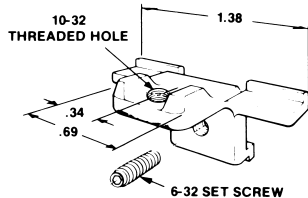
BRACKET FOR 100X AND 700X SERIES

PANEL SUPPORT BRACKET
ZP20653 (OPTIONAL)



BRACKET FOR 200X SERIES

PANEL SUPPORT BRACKET
ZP20654 (OPTIONAL)



BRACKET INSTALLATION INSTRUCTIONS

1. Insert bracket into extrusion as shown.
2. Rotate downward, as shown, until support bracket is seated.
3. Slide bracket laterally as required to align bracket with panel.
4. Caution: Do not over tighten.