

Amazon Cases & Racks™

cp cases 

Amazon Cases & Racks™



Introducing Amazon

Created with one thing in mind, Amazon Cases and Racks give the ultimate protection to valuable and essential equipment during transport anywhere in the world.

Contents

2 Overview

Amazon Cases

4 Features

5 Sizes and Numbering

6 Size List

8 Accessories

10 Applications

11 Move-It

Amazon Racks

12 Features

13 Sizes and Numbering

14 Size List

15 Applications

16 Accessories

20 Other CP Products
and Services

Overview

Amazon Cases and Racks have a unique patented design that offers a tough, lightweight, customisable system that can be tailored to the client's requirements and individual needs.

Rotationally moulded (rotomoulded) using virgin polyethylene, Amazon Cases and Racks are highly resistant to impact and drop/shock, temperature extremes and vibration, as well as water and dust ingress, and can be modified to include features such as flame retardant, anti-static and low infrared reflectivity.

Nitrogen-blown polyethylene foam inserts provide unmatched levels of impact absorbency and support for the contents, and the inert nature of the foam means there is no chance of chemical contamination or corrosion to the equipment inside (as is possible with other foam types).

Robust low-profile cam-operated butterfly latches are securely attached to fully encapsulated stainless steel inserts, allowing 'no hassle' in the field replacement if ever required. A silicone gasket ensures dust and watertight integrity between the lid and the base.

For larger cases, recessed wheels can be added to aid manual handling. These 70mm diameter high performance 'blade wheels' do not impinge the stacking or storage footprint.

Other build options include black powder-coated stainless steel anchor points with 180° movement for tie down to transport systems or crane lifting and replacement stainless steel handles as well as a padlockable version of the latch for extra security.

Ideal for defence, marine, security, aerospace, oil and gas, satellite and telecommunication applications worldwide, Amazon Cases and Racks give all the advantages of rotomoulding but without the normal thick wall cavity, restrictive openings and bulky deep lids, giving more space for any given case size.

Inside an Amazon Rack there is more innovation. A lightweight high tensile aluminium frame, suspended by elastomeric anti-vibration mounts, provides superior 'sway-space' between the frame and the outer container and is the best possible way to safeguard delicate equipment. More robust and stainless steel variants are custom-made for heavy payloads and corrosive environments.



Tough, lightweight rotomoulded cases and 19-inch racks suited for use in extreme conditions

Amazon Case Features

Amazon Cases®

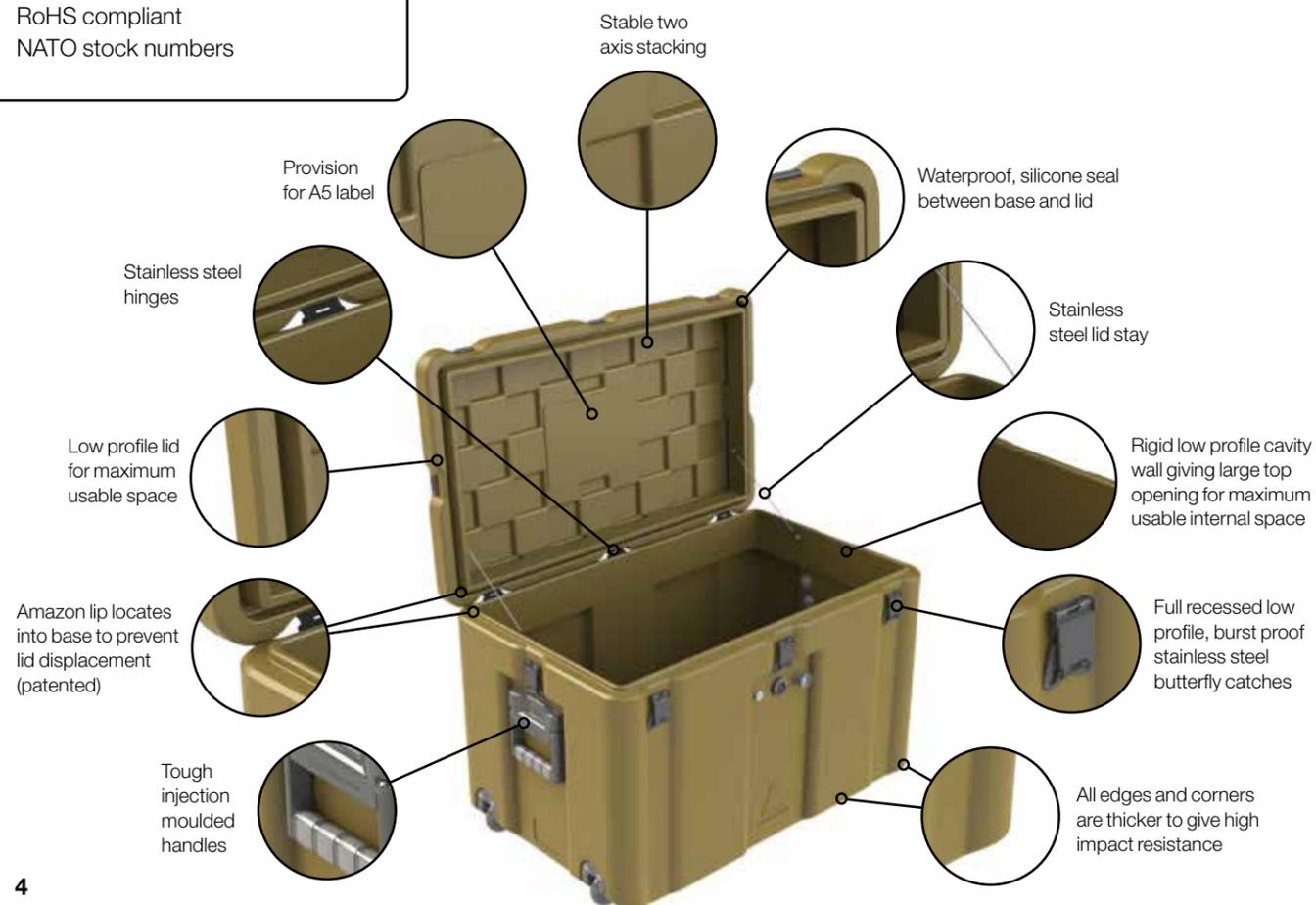
All Amazon Cases are produced using rotomoulding. Ideal for making tough, waterproof products and utilising a high quality polymer that thickens at the edges and corners for extra strength and impact resistance, Amazon has brought rotomoulded containers to a new level for the 21st century by using decades of experience in case design and manufacturing.

This results in a range of cases that are tougher and yet more spacious than any comparable product.

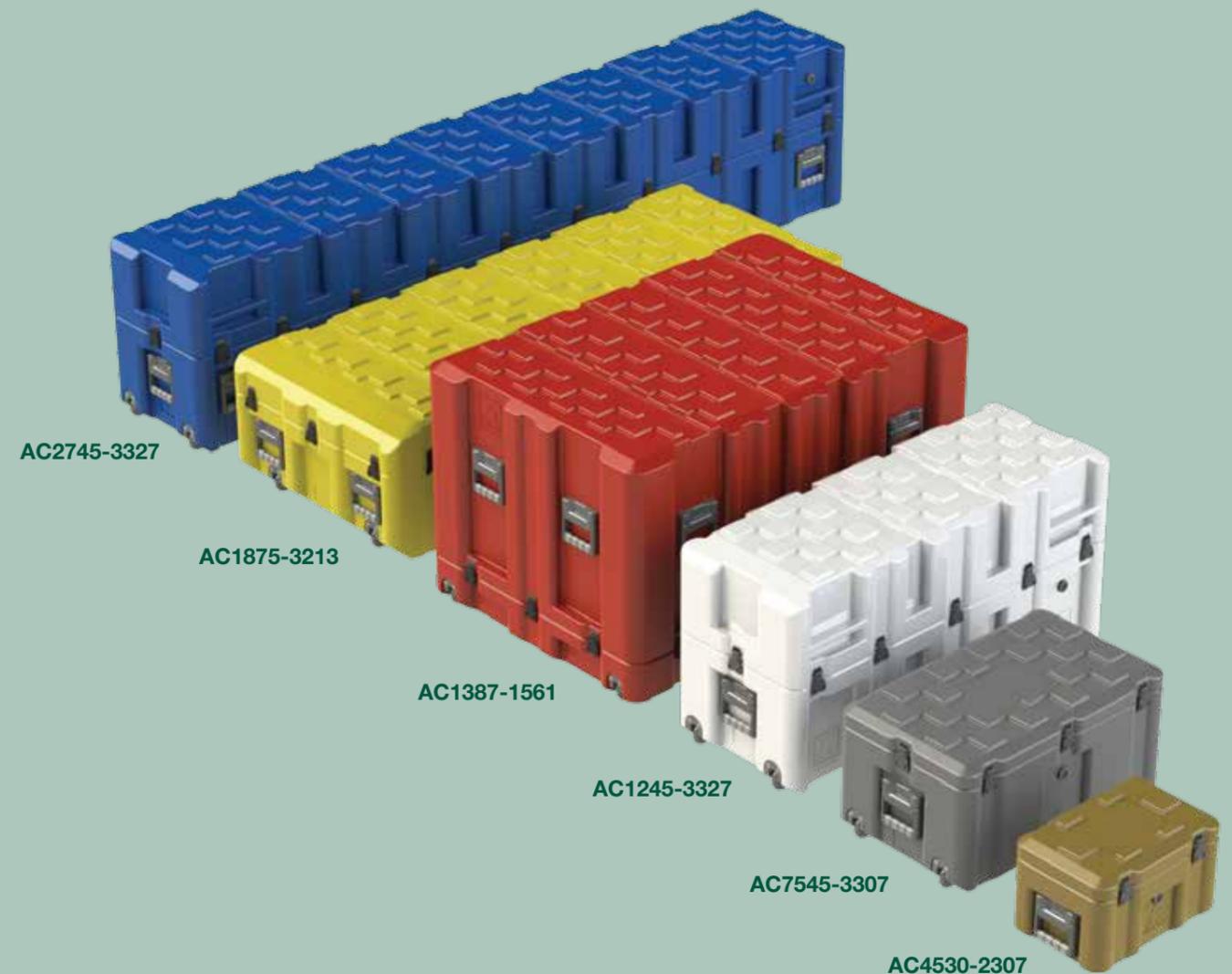
Amazon Cases & Racks carry the following accreditations and standards:

MIL-STD-810
DEF STAN 00-35
Ingress Protection rating 65
RoHS compliant
NATO stock numbers

-  **Appearance** Colours moulded right through to retain appearance if scratched
-  **Colours** Available in Olive Drab, Grey, Black and Desert Sand, with other colours available for orders of 25 or more – all colours are UV stabilised
-  **Handles** Heavy-duty plastic injection moulded handles with soft grip thermo-plastic rubber overmould
-  **Lid** Strong, rigid, low profile lid for maximum space utilisation
-  **Lip** Moulded-in Amazon lip that engages positively with body to eliminate lid displacement when subjected to sideways force (Patented)
-  **NATO Stock Numbers** available on request
-  **Pat. Patented** Unique patented design
-  **Rotomoulded** from high grade, virgin polyethylene for strength and impact absorption
-  **Safe** All edges and corners are rounded and bevelled for safe and comfortable carrying
-  **Seal** Waterproof silicone lid seal stable in temperatures from -40°C to +70°C
-  **Space** Maximised capacity versus external size
-  **Stacking** Two axis location and engagement feature for positive stacking
-  **Temperature** Stable in temperatures from -40°C to +70°C
-  **Tough** Corrosion proof and resistant to solvents and acids



Sizes and Numbering



Size Numbering System

AC	75	45	—	33	07	/AC	/AC	/FL
Amazon Case code	Length (cm)	Width (cm)		Base height (cm)	Lid height (cm)	Suffix	All Catch	Fork Lift

Key to Suffix

Key to NATO Stock Numbering (NSN)

NSN 8145	—	99	—	761-2696
NATO Supply Classification Code		Issuing NCB 99 = UK		Unique ID number

Scale comparison of Amazon Case AC7545-3307 to a 6ft / 1.83m tall man

Amazon Case Size List

Part Number	External mm			Internal mm			Volume	Weight**	Handles	Catches	Hinges	Wheels*	Skids / Fork Lift	Quickship	NSN
	L	W	H	L	W	H	m ³	kg	No.	No.	No.	Y/N	Y/N	Y/N	
AC4530-2307	450	300	300	390	240	260	0.04	5.0	2	2	2	N	N	Y	8145-99-253-0976
AC4631-0808	458	305	153	374	222	117	0.02	4.1	1	2	2	N	N	N	8145-99-587-3852
AC4631-2110	458	305	305	374	222	269	0.04	6.1	2	2	2	N	N	N	8145-99-152-0888
AC5045-3307	500	450	400	440	390	360	0.09	8.5	2	4	2	N	N	Y	8145-99-968-4816
AC5048-3807	500	480	450	440	420	410	0.11	9.0	2	6	2	N	N	Y	8145-99-891-0808
AC5644-6210	559	439	712	476	355	676	0.17	9.7	2	6	2	N	N	N	8145-99-979-4522
AC6030-5307	600	300	600	540	240	560	0.11	9.4	2	5	3	N	N	Y	8145-99-667-6868
AC6040-4307	600	400	500	540	340	460	0.12	10.9	2	5	3	N	N	Y	8145-99-551-4820
AC6045-2307	600	450	300	540	390	260	0.08	9.2	2	5	3	N	N	Y	8145-99-893-7854
AC6045-3307	600	450	400	540	390	360	0.11	9.6	2	5	3	N	N	Y	8145-99-666-7176
AC6045-4307	600	450	500	540	390	460	0.14	11.2	2	5	3	N	N	Y	8145-99-887-2317
AC6060-4307	600	600	500	540	540	460	0.18	13.0	4	7	3	N	N	Y	8145-99-402-7149
AC6060-5307	600	600	600	540	540	560	0.22	15.5	4	7	3	N	N	Y	8145-99-235-4895
AC6146-2110	610	458	305	527	374	269	0.09	7.7	2	5	3	N	N	N	8145-99-614-4803
AC6146-4211	610	458	521	527	374	485	0.15	9.7	2	5	3	N	N	N	8145-99-396-2047
AC6161-4615	610	610	610	527	527	549	0.23	14.0	4	7	3	N	N	N	8145-99-979-4522
AC7545-3107	750	450	380	690	390	340	-	-	-	-	-	N	N	N	N/A
AC7545-3307	750	450	400	690	390	360	0.14	12.3	2	5	3	Y	N	Y	8145-99-761-2696
AC7545-4307	750	450	500	690	390	460	0.17	13.7	2	5	3	Y	N	Y	8145-99-388-6300
AC7545-5307	750	450	600	690	390	560	0.20	15.4	2	5	3	Y	N	Y	8145-99-729-6181
AC7552-3010	743	515	407	660	431	371	0.16	12.7	2	5	3	N	N	N	8145-99-814-4114
AC7560-2307	750	600	300	690	540	260	0.14	13.0	4	7	3	Y	N	Y	8145-99-751-6085
AC7560-3307	750	600	400	690	540	360	0.18	13.4	4	7	3	Y	N	Y	8145-99-514-4366
AC7560-4307	750	600	500	690	540	460	0.23	15.9	4	7	3	Y	N	Y	8145-99-891-0545
AC7560-5307	750	600	600	690	540	560	0.27	17.2	4	7	3	Y	N	Y	8145-99-754-8113
AC8249-2507	820	483	320	736	400	284	0.13	12.0	2	5	3	N	N	N	8145-99-891-7731
AC8754-6115/AC	864	533	760	779	446	700	0.35	18.0	6	10	0	Y	N	Y	8145-99-480-8493
AC8754-1561/AC	864	533	760	779	446	700	0.35	18.0	6	10	0	Y	N	Y	8145-99-585-8854
AC8775-6115/AC***	864	745	760	779	660	700	0.49	22.2	4	12	0	Y	N	Y	8145-99-471-5373
AC8775-1561/AC	864	745	760	779	660	700	0.49	22.2	4	12	0	Y	N	Y	8145-99-551-8729
AC9045-2307	900	450	300	840	390	260	0.12	12.7	2	6	4	Y	Y	Y	8145-99-998-2342
AC9045-3307	900	450	400	840	390	360	0.16	14.1	2	6	4	Y	Y	Y	8145-99-562-6415
AC9045-3327/AC	900	450	620	815	365	560	0.24	14.1	2	10	0	Y	Y	Y	8145-99-284-3371
AC9045-4307	900	450	500	840	390	460	0.20	14.7	2	6	4	Y	Y	Y	8145-99-362-3513
AC9045-5307	900	450	600	840	390	560	0.24	15.4	2	6	4	Y	Y	Y	8145-99-307-5179
AC9060-3307	900	600	400	840	540	360	0.22	17.5	4	8	4	Y	Y	Y	8145-99-147-9484
AC9060-4307	900	600	500	840	540	460	0.27	19.6	4	8	4	Y	Y	Y	8145-99-666-7174
AC9060-5307	900	600	600	840	540	560	0.32	21.6	4	8	4	Y	Y	Y	8145-99-376-9256
AC9060-3327/AC	900	600	600	840	540	560	0.32	22.6	8	12	0	Y	Y	Y	8145-99-492-9646
AC9060-2733/AC	900	600	600	840	540	560	0.32	22.6	8	12	0	Y	Y	Y	8145-99-731-8675
AC9060-4327/AC	900	600	700	840	540	660	0.38	20.0	8	12	0	Y	Y	Y	8145-99-484-3618
AC9060-2743/AC	900	600	700	840	540	660	0.38	20.0	8	12	0	Y	Y	Y	8145-99-813-3100

Part Number	External mm			Internal mm			Volume	Weight**	Handles	Catches	Hinges	Wheels*	Skids / Fork Lift	Quickship	NSN
	L	W	H	L	W	H	m ³	kg	No.	No.	No.	Y/N	Y/N	Y/N	
AC9060-5327/AC	900	600	800	840	540	760	0.43	26.8	8	12	0	Y	Y	Y	8145-99-151-7437
AC9060-2753/AC	900	600	800	840	540	760	0.43	26.8	8	12	0	Y	Y	Y	8145-99-982-0267
AC9060-7307	900	600	800	840	540	760	0.43	25.9	4	8	4	Y	Y	Y	8145-99-133-7686
AC9060-7327/AC	900	600	1000	840	540	960	0.54	35.5	8	12	0	Y	Y	Y	8145-99-151-7438
AC9060-2773/AC	900	600	1000	840	540	960	0.54	35.5	8	12	0	Y	Y	Y	8145-99-356-0226
AC9075-2307/AC	900	750	310	816	666	230	0.21	16.5	4	14	0	Y	Y	Y	8145-99-510-4088
AC9261-4115/AC	915	610	559	831	527	498	0.31	19.9	4	12	0	N	N	N	8145-99-213-6924
AC9595-4346/AC/FL	947	947	889	863	863	765	0.80	26.2	8	16	0	N	+	N	8145-99-883-3490
AC1175-2307/AC	1050	750	310	966	666	230	0.31	18.5	4	16	0	Y	Y	Y	8145-99-464-5304
AC1187-6115/AC	1067	864	760	982	779	700	0.70	29.7	8	14	0	Y	Y	Y	8145-99-241-7308
AC1187-1561/AC	1067	864	760	982	779	700	0.70	29.7	8	14	0	Y	Y	Y	8145-99-813-3097
AC1245-3327/AC	1200	450	620	1115	365	560	0.32	19.5	2	12	0	Y	Y	Y	8145-99-455-8174
AC1260-4307	1200	600	500	1140	540	460	0.36	26.9	4	9	5	Y	Y	Y	8145-99-228-3882
AC1260-5307	1200	600	600	1140	540	560	0.43	27.3	4	9	5	Y	Y	Y	8145-99-342-1189
AC1275-2307/AC	1200	750	310	1116	666	230	0.28	20.5	4	16	0	Y	Y	Y	8145-99-350-5793
AC1275-3213/AC	1200	750	450	1116	666	390	0.41	24.6	4	14	0	Y	Y	Y	8145-99-845-8193
AC1275-1332/AC	1200	750	450	1116	666	390	0.41	24.6	4	14	0	Y	Y	Y	8145-99-500-9794
AC1384-7015/FL	1230	840	850	1146	756	640	0.55	35.5	4	9	5	N	+	N	****
AC1384-7015/AC/FL	1230	840	850	1146	756	640	0.55	35.5	4	14	0	N	+	N	****
AC1387-6115/AC	1281	864	760	1196	779	700	0.84	34.5	8	16	0	Y	Y	Y	8145-99-961-4313
AC1387-1561/AC	1281	864	760	1196	779	700	0.84	34.5	8	16	0	Y	Y	Y	8145-99-997-2703
AC1446-2811	1347	458	381	1263	374	320	0.24	18.3	4	7	5	N	N	N	8145-99-553-3446
AC1475-2307/AC	1350	750	310	1266	666	230	0.31	22.5	4	18	0	Y	Y	Y	8145-99-302-3396
AC1475-4825/AC/FL	1353	743	724	1270	660	612	0.73	35.8	8	16	0	N	+	N	8145-99-348-1087
AC1545-3327/AC	1500	450	620	1415	365	560	0.41	23.7	2	14	0	Y	Y	Y	8145-99-151-7436
AC1548-2018/AC	1505	489	375	1422	406	314	0.26	24.9	6	16	0	N	N	N	8145-99-837-0758
AC1575-3213/AC	1500	750	450	1416	666	390	0.51	29.6	4	16	0	Y	Y	Y	8145-99-726-0653
AC1575-1332/AC	1500	750	450	1416	666	390	0.51	29.6	4	16	0	Y	Y	Y	8145-99-213-5247
AC1687-6115/AC	1581	864	760	1496	779	700	1.04	40.7	8	18	0	Y	Y	Y	8145-99-254-3587
AC1687-1561/AC	1581	864	760	1496	779	700	1.04	40.7	8	18	0	Y	Y	Y	8145-99-856-4369
AC1845-3327/AC	1800	450	620	1715	365	560	0.49	27.8	2	16	0	Y	Y	Y	8145-99-572-6588
AC1875-3213/AC	1800	750	450	1716	666	390	0.61	34.7	4	18	0	Y	Y	Y	8145-99-844-5056
AC1875-1332/AC	1800	750	450	1716	666	390	0.61	34.7	4	18	0	Y	Y	Y	8145-99-726-0652
AC2156-2316AC	2064	566	420	1981	482	358	0.44	32.4	8	18	0	N	N	N	8145-99-488-8779
AC2145-3327/AC	2100	450	620	2015	365	560	0.57	32.8	6	18	0	Y	Y	Y	8145-99-813-3098
AC2445-3327/AC	2400	450	620	2315	365	560	0.65	36.8	6	20	0	Y	Y	Y	8145-99-974-7580
AC2745-3327/AC	2700	450	620	2615	365	560	0.73	41.0	6	22	0	Y	Y	Y	8145-99-667-7005

Note: '+' mark in Skids column indicates cases with fork lift skids integral to moulded case
Moulding tolerance +/- (1%+1mm) linear

* Wheels for Amazon Cases are fitted as option

** Approximate weight

*** This case does not stack with other cases.

**** New Move-It case. See page 11.

All information believed to be correct at time of publication. No liability accepted for decisions made as a result of errors.
Specifications may change without notice.

Amazon Case Accessories

Automatic Pressure Relief Valve (PRV)

A two-way automatic pressure relief valve with manual override release push button enables equalisation of the pressure inside and outside the container.

AAPRV



Gore® Membrane Vent

A Gore® membrane vent allowing gradual equalisation of internal and external pressure without ingress of dust or water.

AAGTV



Humidity Indicator

Humidity indicator and replaceable desiccant container for effective humidity control during long-term storage.

AAHI3050



Padlockable Latches

Both types of latch can be replaced with a padlockable latch which takes a padlock with a hasp diameter up to 9mm.

AABTPL/BK



Butterfly Latches

Standard cam-operated butterfly latch.

AAL/BK

AALPL/BK



Lockable Toggle Latch

Toggle latch with integrated lock.

AALC236/BK



Injection Moulded Handles

The number of handles supplied with standard cases is shown in the size list. Additional injection moulded handles can be fitted if required.

AAHPL/BK



Stainless Steel Handles

Black powder-coated stainless steel handles are available as an alternative to the injection moulded handles supplied as standard.

AAHSB/BK



Tie-downs

Transportation tie-downs are available as an alternative to the injection moulded handles supplied as standard.

AATD002/BK



Forklift Skids

Robust spacers used during the storage of cases and racks to facilitate access for forklift skids.

AAFS45-2/BK for AC9045-AC1245
AAFS45-2-1W/BK for AC1545-AC2745
AAFS60-2/BK for AC9060
AAFS60-3/BK for AC1260
AAFS75-2/BK for AC1275
AAFS75-3/BK for AC1575
AAFS75-4/BK for AC1875
AAFS87-2/BK for AC1187
AAFS87-3/BK for AC1387
AAFS87-4/BK for AC1687



Cables & Accessory Storage Pouches

Zipped pouch that can be secured in place in both shallow and deep rack lids for the storage of cabling and leads. Cable pouches can be retrofitted by users without the use of tools.

Available on request



Interstacker

Interstacker allows Amazon Racks to be stacked securely onto Amazon Cases. The same interstacker can be fitted with 4 x 100mm castors to provide secure location and movement of heavy loads up to 300kg.

AAINT610/BK



Labels & Label Holders

Labelling options include engraved metal, back printed, non-scratch polycarbonate and write-on/wipe-off labels, and document holders.

AAWWLA5

AAA5DH



Wheels & Wheelboards

Cases greater than 750mm in length have provision for fitting optional 70mm 'roller-blade' recessed wheels.

All racks can be fitted with two optional recessed wheels, housed in the deeper 125mm lid. These robust wheels allow ease of handling with heavier loads and do not protrude beyond the external dimensions of the case or racks. They are designed to come into operation as the case or rack is tilted, but do not interfere with stacking or stowage. Two additional handles are provided on the front lid of racks fitted with wheels.

Wheel recess covers are also available.

AAINT610W/BK

AAW001

AAWC/BK



Amazon Case Applications

Certification and accreditations are available on request



Applications in

- Maritime
- Offshore & Geophysical
- Aerospace
- Secure Telecommunications
- Satellite Uplinks

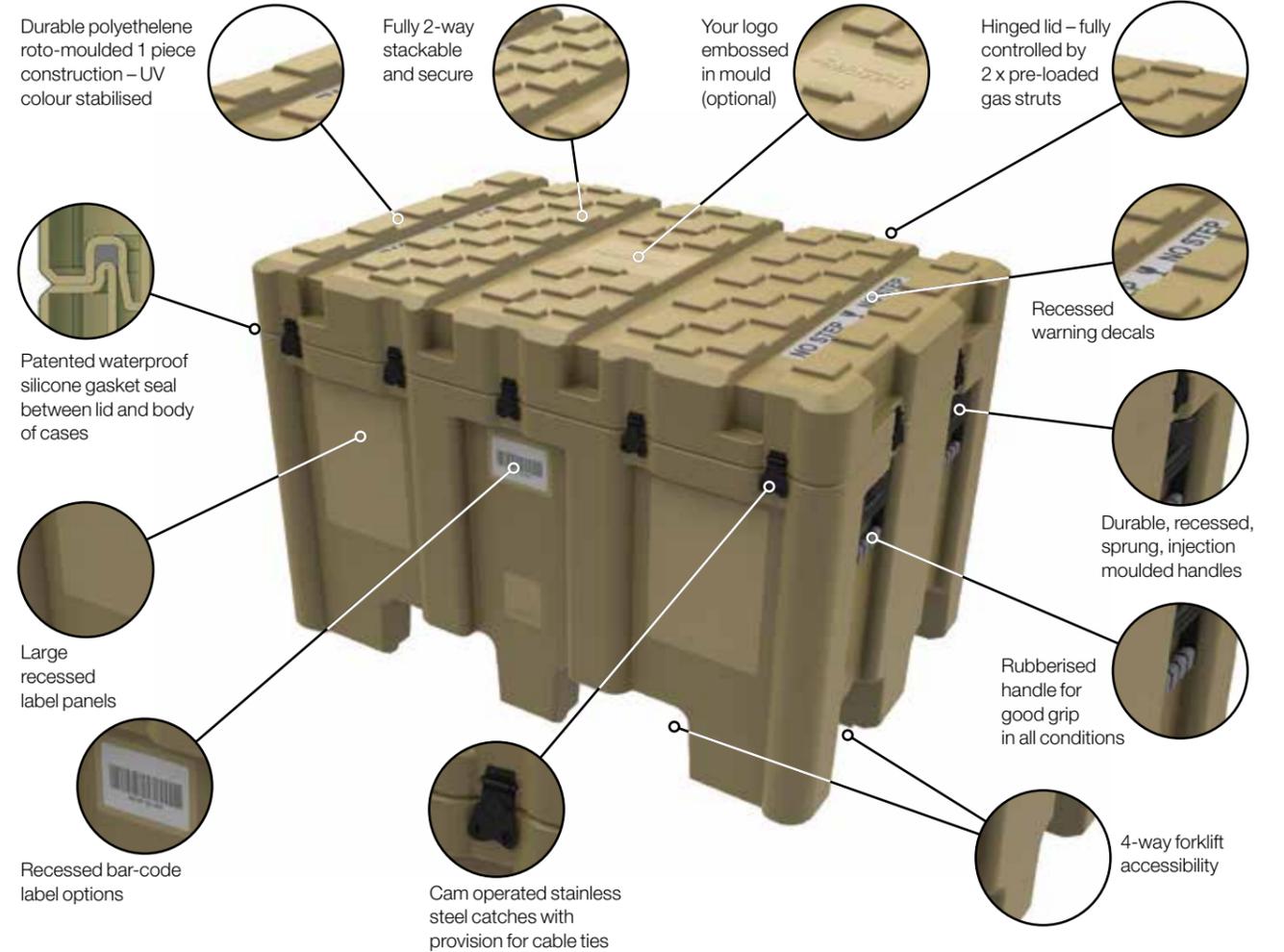


Move-It™
"Anytime, anyplace, anywhere"



The latest addition to the Amazon range, Move-It™ is a new dedicated pallet-size case and includes a 4-way forklift feature built-in, allowing for versatile warehouse and logistical handling.

This highly individual case has practical applications in all forms of planning operations and for transportation teams across a broad range of industries, both locally and for use in remote operations.



- Black as standard – other colours available.
- Accredited to MIL-STD-810F and rated IP65 and RoHS compliant.
- Standard Amazon stacking pattern – cross stacks with other sizes.
- Rotomoulded from high-grade virgin polyethylene for superior strength and impact absorption.
- Designed for industrial mechanical-handling.
- Automotive industry specification gas-struts provide safe control of the case lid.
- Impervious to water, acid, solvent and fuel oil contamination.
- 4-way forklift access.
- Stainless steel latches and hinges ensures performance in corrosive, outdoor and maritime environments.
- International military-standard tested and accredited for drop-shock and impact resistance.
- Customisable to users' requirements.
- Fully recyclable. ♻️
- Indelible customer branding if required.

Part Number	External mm			Internal mm			Vol m³	Wgt kg	Handles No.	Catches No.	Hinges No.	Wheels Y/N
	L	W	H	L	W	H						
AC1384-7015/AC/FL	1230	840	850	1146	756	640	0.55	35.5	4	14	0	No
AC1384-7015/FL	1230	840	850	1146	756	640	0.55	35.5	4	9	5	No

Amazon Rack Features

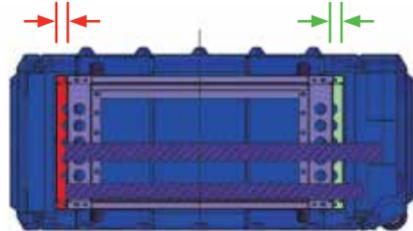
Amazon Racks

Amazon design skills have also been applied to produce a new generation of 19-inch racks to protect electronic, IT and telecommunications equipment against climatic extremes and rough handling in field conditions. Amazon Racks combine the tough resilience of a rotomoulded case with a lightweight chassis and a unique elastomeric suspension system.

Rack Positioning

All Amazon Racks (excluding the removable 'EasyGlide' option) have a user-adjustable inner rack chassis that can be positioned 25mm forward or back from its central position to allow the accommodation of varying front panel and rear wiring needs.

Frame can be positioned 25mm forward
 Frame can be positioned centrally
 Frame can be positioned 25mm rearward



Design features in addition to those of Amazon Cases include:

- U Size** Available from 4U to 14U with various standard 19-inch inner frame depth options
- M6 Fixing Holes** Rack frame has additional M6 fixing holes in the rear face to accommodate non-standard equipment
- Fasteners** Standard, stainless steel M6 threaded fasteners secure electronic equipment into floating stainless steel cage nuts at both front and rear of frame, providing ease of equipment fitting – all threaded fasteners are field replaceable, no special tool required
- Stacking** All racks have positive stacking, aligning at the front face
- Standards** Internal rack frame conforms to BS5954 / BS EN 60297 / DIN 41494
- Suitable for Corrosive Environments** Stainless steel chassis is available if the rack is to be used in saltwater environments
- Very Heavy Payloads** More robust chassis is available for heavy loads
- Mounts** Eight 45° angled elastomeric anti-vibration mounts (pat. pend.) with a choice of Shore hardness grades, angled towards centre of gravity of the rack frame, provide optimised shock protection in all orientations
- Sway** Superior 'sway-space' between inner frame and outercase to prevent contact with outer container under severe impact
- EasyGlide™** Optional 'EasyGlide' (pat. pend.) removable, self-anchoring, internal frame system for convenience and speed of maintenance/replacement of equipment
- Restriction of Hazardous Substances** The inner rack frame and all fittings are stainless steel, making Amazon Racks totally RoHS compliant

Tough injection moulded handles

Provision for linking straps

All sizes of Amazon Racks can be stacked on each other with a common level front face

Superior 'sway space' between inner frame and outer container to prevent contact under severe impact

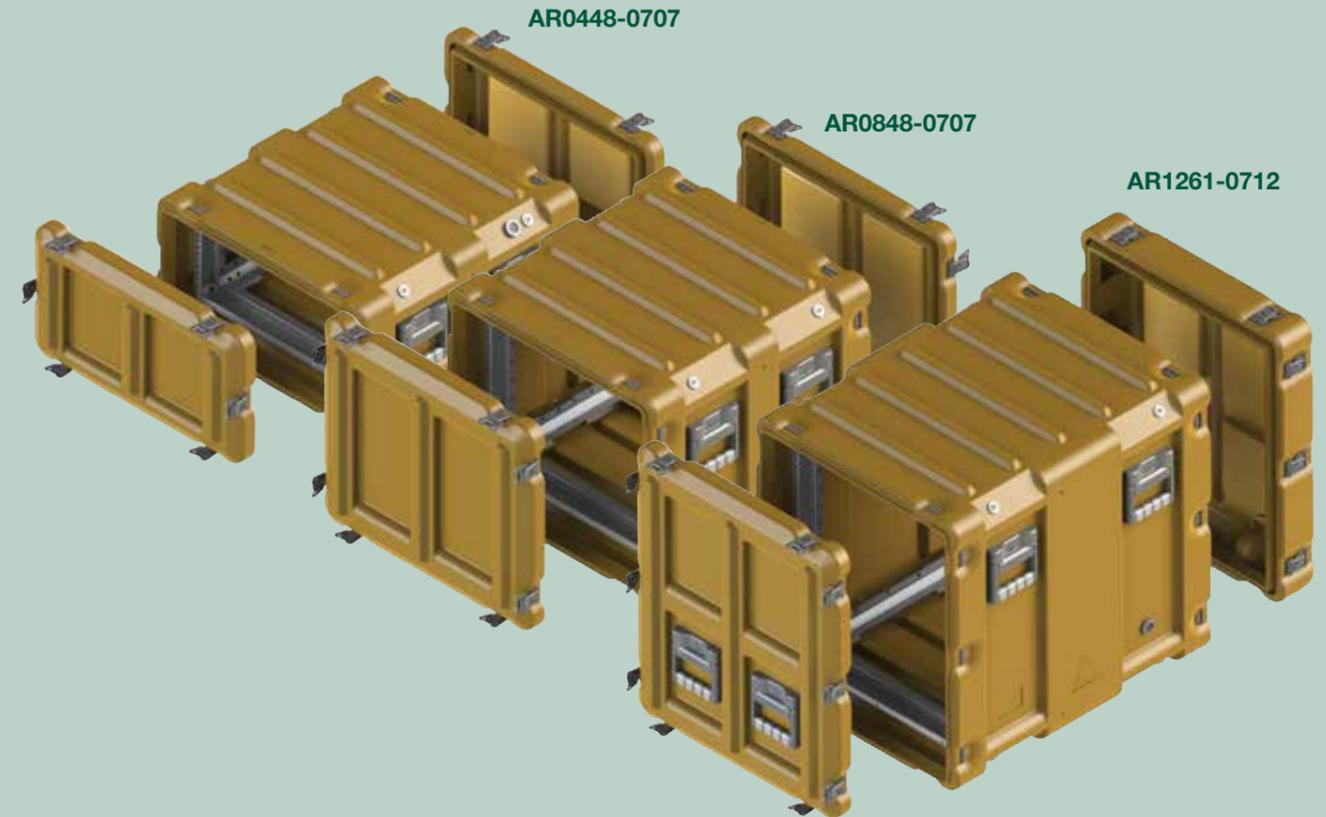
Patented Amazon lip locates into container body to prevent lid displacement

The inner frame is 'reversible' to offer either BS5954 / BS EN 60297 / DIN 41494 or alternatively fully punched rails for non standard equipment

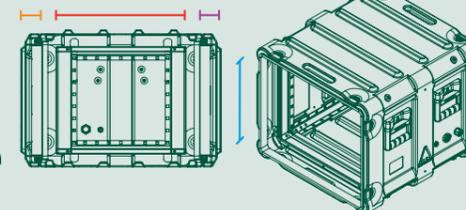
Eight 45° angled anti-vibration mounts (pat. pend.) focussed towards centre of gravity of the rack frame, provide consistent shock protection in all orientations

Fully welded aluminium 19-inch rack frame with floating, captive M6 stainless steel nuts and cages (registered design)

Sizes and Numbering



Scale comparison of Amazon Rack AR0848-0707 to a 6ft / 1.83m tall man



Size Numbering System

AR	08	48	—	07	07
Amazon Rack	Unit U-height	Chassis depth (cm)		Lid depth front (cm)	Lid depth rear (cm)

Amazon Rack Size List

U-Height
Chassis Depth
Max Equipment Depth*
Volume
Weight**
Handles
Catches
Quickship

Part Number	External mm			U	mm	mm	m ³	kg	No.	No.	Y/N	NSN
	H	D	W									
AR0448-0707	328	740	583	4	480	620	0.14	15.4	4	12	Y	8145-99-562-6611
AR0448-0712	328	795	583	4	480	620	0.15	16.8	4	12	Y	8145-99-858-1856
AR0461-0707	328	870	583	4	610	750	0.17	16.7	4	12	Y	8145-99-834-8328
AR0461-0712	328	925	583	4	610	750	0.18	18.1	4	12	Y	8145-99-284-6890
AR0487-0707	328	1130	583	4	870	1010	0.22	19.3	4	12	Y	8145-99-585-8895
AR0487-0712	328	1185	583	4	870	1010	0.22	20.7	4	12	Y	8145-99-968-6744
AR0648-0707	417	740	583	6	480	620	0.18	16.5	4	12	Y	8145-99-989-1224
AR0648-0712	417	795	583	6	480	620	0.19	17.9	4	12	Y	8145-99-896-0886
AR0661-0707	417	870	583	6	610	750	0.21	17.8	4	12	Y	8145-99-133-7690
AR0661-0712	417	925	583	6	610	750	0.22	19.2	4	12	Y	8145-99-162-8327
AR0687-0707	417	1130	583	6	870	1010	0.27	20.4	4	12	Y	8145-99-613-6052
AR0687-0712	417	1185	583	6	870	1010	0.29	21.8	4	12	Y	8145-99-386-8422
AR0848-0707	506	740	583	8	480	620	0.22	20.5	4	16	Y	8145-99-700-9000
AR0848-0712	506	795	583	8	480	620	0.23	21.9	4	16	Y	8145-99-339-4918
AR0861-0707	506	870	583	8	610	750	0.26	21.8	4	16	Y	8145-99-862-1593
AR0861-0712	506	925	583	8	610	750	0.27	23.2	4	16	Y	8145-99-742-3340
AR0874-0707	506	1000	583	8	740	880	0.29	23.1	4	16	Y	8145-99-152-0885
AR0874-0712	506	1055	583	8	740	880	0.31	24.4	4	16	Y	8145-99-701-9986
AR1048-0707	595	740	583	10	480	620	0.26	22.1	4	20	Y	8145-99-666-7179
AR1048-0712	595	795	583	10	480	620	0.28	23.5	4	20	Y	8145-99-133-7691
AR1061-0707	595	870	583	10	610	750	0.30	23.4	4	20	Y	8145-99-701-9229
AR1061-0712	595	925	583	10	610	750	0.32	24.8	4	20	Y	8145-99-509-7384
AR1248-0707	684	740	583	12	480	620	0.30	23.2	4	20	Y	8145-99-337-7069
AR1248-0712	684	795	583	12	480	620	0.32	24.6	4	20	Y	8145-99-736-7317
AR1261-0707	684	870	583	12	610	750	0.35	24.5	4	20	Y	8145-99-000-4541
AR1261-0712	684	925	583	12	610	750	0.37	25.9	4	20	Y	8145-99-853-3739
AR1448-0707	773	740	583	14	480	620	0.34	24.8	4	24	N	8145-99-741-6696
AR1448-0712	773	795	583	14	480	620	0.36	26.2	4	24	N	8145-99-958-8884
AR1448-0725	773	925	583	14	480	620	0.41	<i>TBA</i>	4	24	N	<i>TBA</i>
AR1461-0707	773	870	583	14	610	750	0.40	26.1	4	24	N	8145-99-403-3266
AR1461-0712	773	925	583	14	610	750	0.42	27.5	4	24	N	8145-99-848-1384
AR1461-0725	773	1055	583	14	610	750	0.48	<i>TBA</i>	4	24	N	<i>TBA</i>

* Defines max equipment depth that can be fitted in the chassis, provided:

- 1 The chassis is forward mounted by 25mm
- 2 The rack has a deep (125mm) rear lid
- 3 The equipment is not mounted in the lowest U-Space (drawings available on request)

** Approximate weight
For additional weight with EasyGlide accessory, see page 16

Wheel Options for Amazon Racks

Part numbers ending 0707 have two shallow lids (70mm), front and rear. For optional wheels, select part numbers ending 0712, which have one shallow lid front (70mm) and one deep lid rear (125mm) to accommodate wheel recess.

When wheels are required, 2x edge wheels are factory-fitted to the rear (125mm) lid, and 2x handles are fitted to the front (70mm) lid to facilitate easy lift and roll.

Note: Part Codes shown in italics are in progress

Amazon Rack Applications

Certification and accreditations are available on request



Amazon Rack Accessories

Elastomeric Mount Options

Stiffer elastomeric mounts are available for payloads in excess of 50kg. Elastomeric mounts can also be fitted in tandem at each corner of the internal suspended frame, to give a total of 16 anti-vibration mounts. This provides a controlled ride for very heavy loads.

AAAVM458 Fit additional 8 AV mounts, 45 shore hardness
 AAAVM608 Fit additional 8 AV mounts, 60 shore hardness
 AAAVM45 Supply only additional 8 AV mounts, 45 shore hardness
 AAAVM60 Supply only additional 8 AV mounts, 60 shore hardness



Wire Rope Anti-Vibration Mounts

These are comprised of stainless steel stranded cable, threaded through aluminium alloy retaining bars, for effective vibration isolation. Their corrosion-resistance, all-metal construction, gives high-performance shock and vibration protection in hostile environments and are unaffected by temperature extremes, chemicals, oils, solvents and abrasives. Factory fit with order.



EasyGlide™ (Removable Chassis System)

Removable 'EasyGlide' chassis frame option allows the complete withdrawal of the 19-inch inner frame in constricted spaces or semi-permanent installations, without loss of anti-vibration characteristics.

Add following to total weight if EasyGlide included:
 480mm chassis: 1.7kg
 610mm chassis: 2.0kg
 740mm chassis: 2.4kg
 870mm chassis: 2.8kg (E)

Other U-Heights are available subject to engineering approval

EZG3-0448 for 4u chassis height x 480mm deep
 EZG3-0461 for 4u chassis height x 610mm deep
 EZG3-0487 for 4u chassis height x 870mm deep
 EZG3-0648 for 6u chassis height x 480mm deep
 EZG3-0661 for 6u chassis height x 610mm deep
 EZG3-0687 for 6u chassis height x 870mm deep
 EZG3-0848 for 8u chassis height x 480mm deep
 EZG3-0861 for 8u chassis height x 610mm deep
 EZG3-0874 for 8u chassis height x 740mm deep
 EZG3-1048 for 10u chassis height x 480mm deep
 EZG3-1061 for 10u chassis height x 610mm deep
 EZG3-1248 for 12u chassis height x 480mm deep
 EZG3-1261 for 12u chassis height x 610mm deep
 EZG3-1448 for 14u chassis height x 480mm deep
 EZG3-1461 for 14u chassis height x 610mm deep



Earthing / Grounding Point

Earthing / grounding points can be fitted to allow for discharge of static electricity from the inner rack frame and its mounted equipment.



Injection Moulded Handles

The number of handles supplied with standard cases is shown in the size list. Additional injection moulded handles can be fitted if required.



Protective Skirts

For protection against the ingress of rain under operational conditions with the lid removed, a flexible rubber skirt can be fitted between the outer casing and the internal rack frame. It is important to ensure that equipment front panels are watertight to prevent water entry.

AAPS04 for 4U rack
 AAPS06 for 6U rack
 AAPS08 for 8U rack
 AAPS10 for 10U rack
 AAPS12 for 12U rack
 AAPS14 for 14U rack



Cable Storage Pouch

Zippered pouch that can be secured in place in both shallow and deep rack lids for the storage of cabling and leads. Cable pouches can be retrofitted by users without the use of tools.

AASP0407/BK for 4U rack x 70mm lid
 AASP0412/BK for 4U rack x 125mm lid
 AASP0607/BK for 6U rack x 70mm lid
 AASP0612/BK for 6U rack x 125mm lid
 AASP0807/BK for 8U rack x 70mm lid
 AASP0812/BK for 8U rack x 125mm lid
 AASP1007/BK for 10U rack x 70mm lid
 AASP1012/BK for 10U rack x 125mm lid
 AASP1207/BK for 12U rack x 70mm lid
 AASP1212/BK for 12U rack x 125mm lid
 AASP1407/BK for 14U rack x 70mm lid
 AASP1412/BK for 14U rack x 125mm lid



Butterfly Latches

Standard cam-operated butterfly latch.



Lid Hangers

For storage of lids while the rack is in use. This is a factory fit only item.

AALH/BK



Stainless Steel Handles

Black powder-coated stainless steel handles are available as an alternative to the injection moulded handles supplied as standard.



Tie-downs

Transportation tie-downs are available as an alternative to the injection moulded handles supplied as standard.



Wheels & Wheelboards

All racks can be fitted with two optional recessed wheels, housed in the deeper 125mm lid. These robust wheels allow ease of handling with heavier loads and do not protrude beyond the external dimensions of the case or racks. They are designed to come into operation as the case or rack is tilted, but do not interfere with stacking or stowage. Two additional handles are provided on the front lid of racks fitted with wheels.

Wheel recess covers are also available.



Amazon Rack Accessories

Insect Hood

Transparent membrane to protect sensitive equipment while still allowing visual access to the rack.

AAMN04 for 4U Amazon rack
AAMN06 for 6U Amazon rack
AAMN08 for 8U Amazon rack
AAMN10 for 10U Amazon rack
AAMN12 for 12U Amazon rack
AAMN14 for 14U Amazon rack



Stiffening Ring

Additional strengthening capability for rack access ports.

AASR04 for 4U Amazon rack
AASR06 for 6U Amazon rack
AASR08 for 8U Amazon rack
AASR10 for 10U Amazon rack
AASR12 for 12U Amazon rack
AASR14 for 14U Amazon rack



Fixed Support Rails

Stainless steel fixed rails can be user-fitted to 480mm and 610mm deep frames to support heavy/deep equipment. In addition brackets and fixings can be designed and supplied for installing non-19 inch equipment within the rack frame. (Self-colour pair of rails, inc fixings, provided)

AASR48 for 480mm chassis
AASR61 for 610mm chassis
AASR74 for 740mm chassis
AASR87 for 870mm chassis



Support Shelf

Stainless steel full width shelf to provide extra support for heavy payloads.

AASSFW48 for 480mm chassis
AASSFW61 for 610mm chassis
AASSFW74 for 740mm chassis
AASSFW87 for 870mm chassis



Automatic Pressure Relief Valve (PRV)

A two-way automatic pressure relief valve with manual override release push button enables equalisation of the pressure inside and outside the container.

AAPRV



Gore® Membrane Vent

A Gore® membrane vent allowing gradual equalisation of internal and external pressure without ingress of dust or water.

AAGTV



Humidity Indicator

Humidity indicator and replaceable desiccant container for effective humidity control during long-term storage.

AAHI3050



Air Management & Climate Control

Axial fan, with filter, holder and protective louvre panel, can be added to facilitate ventilation and cool internals. (120mm x 120mm x 25mm)

AAFK01/12V/DC
AAFK01/240V/DC
AAFK01/240V/AC



Labelling

Labelling options include engraved metal, back printed, non-scratch polycarbonate and write-on/wipe-off labels, and document holders.

Available on request



Fixings

M6 stainless steel cage nut, panel screw and finishing washer (pack of 16).

AA423



Rack Straps

Secures racks together when stacked. All racks align at the front regardless of rack depth.

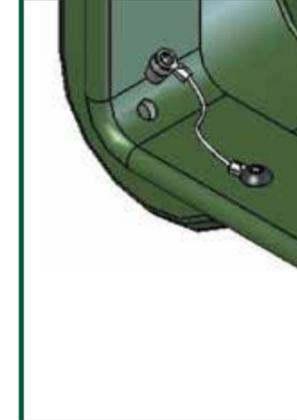
AAPLS/BK



Rack Drainage

The optional drain hole allows water to be drained whilst retaining the integrity of the outer container with the lids in place.

AADH



Interstacker

Interstacker allows Amazon Racks to be stacked securely onto Amazon Cases. The same interstacker can be fitted with 4 x 100mm castors to provide secure location and movement of heavy loads up to 300kg.

AAINT610/BK



Other CP Products and Services

Climate Control

CP Cases Climate Control is a new offering delivering air conditioning and climate control units for use in CP Cases' Amazon Cases & Racks.

Delivered either as a COOL-COLLAR™ or as an integrated unit, CPCC provides a one-stop-shop for 19-inch rack mount cases complete with air conditioning to maintain

equipment's optimal operating conditions. Available in thermoelectric, for heating as well as cooling, and vapour compression, for high efficiency and volume, formats.

All CP Cases Climate Control units can be fitted with accessories including stowage pouches, wheel kits, pressure relief valves and humidity indicators.



COOL-COLLAR™

COOL-COLLAR™ is an air conditioning capability for 19-inch racks that utilises the patented Amazon lip and silicone gasket to create an airtight and waterproof seal to allow the unit to function in extreme conditions. The unit is attached to an existing rack to maintain an optimum operation temperature for equipment.

Where a greater cooling requirement is needed, two COOL-COLLARs™ with AC units can be fitted to both the front and rear of the rack. Units are available up to 5000 BTU (1465 watts) which can be fitted to 12U racks and collars.



Integrated Units

Built directly into the rack system, these climate control units provide cooling and heating, when required, automatically when temperature perimeters are met. Normally end-mounted, CP Cases offer the capability to integrate in a range of orientations to fit client requirements.

Amazon Size Numbering System

Part Number*	Description	External mm			U	No.	No.	No.	kg
		H	W	D					
AACC 0624-0707 TEU	COOL Collar 6U 2 x 70 mm lid	402	583	380	6	2	12	N	10.28
AACC 0624-0712 TEU	COOL Collar 6U 1 x 70 mm lid & 1 x 125 mm lid	402	583	435	6	2	12	Y	11.36
AACC 0835-0707 TEU	COOL Collar 8U 2 x 70 mm lid	491	583	490	8	2	16	N	12.82
AACC 0835-0707 VCC	COOL Collar 8U 2 x 70 mm lid	491	583	490	8	2	16	N	11.19 (E)
AACC 0835-0712 TEU	COOL Collar 8U 1 x 70 mm lid & 1 x 125 mm lid	491	583	545	8	2	16	Y	13.85
AACC 0835-0712 VCC	COOL Collar 8U 1 x 70 mm lid & 1 x 125 mm lid	491	583	545	8	2	16	Y	12.22 (E)
AACC 1035-0707 TEU	COOL Collar 10U 2 x 70 mm lid	580	583	490	10	2	20	N	14.95 (E)
AACC 1035-0707 VCC	COOL Collar 10U 2 x 70 mm lid	580	583	490	10	2	20	N	13.06 (E)
AACC 1035-0712 TEU	COOL Collar 10U 1 x 70 mm lid & 1 x 125 mm lid	580	583	545	10	2	20	Y	16.13 (E)
AACC 1035-0712 VCC	COOL Collar 10U 1 x 70 mm lid & 1 x 125 mm lid	580	583	545	10	2	20	Y	14.24 (E)
AACC 1224-0707 TEU	COOL Collar 12U 2 x 70 mm lid	669	583	380	12	2	20	N	14.79
AACC 1224-0712 TEU	COOL Collar 12U 1 x 70 mm lid & 1 x 125 mm lid	669	583	435	12	2	20	Y	17.12
AACC 1235-0707 TEU	COOL Collar 12U 2 x 70 mm lid	669	583	490	12	2	20	N	15.74 (E)
AACC 1235-0707 VCC	COOL Collar 12U 2 x 70 mm lid	669	583	490	12	2	20	N	15.19 (E)
AACC 1235-0712 TEU	COOL Collar 12U 1 x 70 mm lid & 1 x 125 mm lid	669	583	545	12	2	20	Y	18.07 (E)
AACC 1235-0712 VCC	COOL Collar 12U 1 x 70 mm lid & 1 x 125 mm lid	669	583	545	12	2	20	Y	17.52 (E)

* TEU = Thermoelectric Unit
VCC = Vapour Compression Cycle

Weight listed is for COOL-COLLAR only.
Please contact CP Cases for air conditioner weights.
(E) = Estimated weight

U-Height
Handles
Latches
Wheels
Weight

SatRack™



Designed for Electronic News Gatherers and Media Professionals, operating across the globe, SatRack is a lightweight solution that can be carried on commercial airlines as checked luggage, saving time and avoiding additional baggage charges for those who need

delicate electronic and satcom equipment to be quickly deployable and available immediately.

SatRack's novel and patented design is available in standard sizes of 3U, 4U and 5U versions with a 480 or 610mm deep, ultra-lightweight welded aluminium floating frame and is fully compatible with all 19-inch rack-mountable equipment. This design offers an exceptional strength-to-weight ratio and equipment panel fixing rails located at both ends of the frame allow for flexible mounting of kit.

(Also available for 9.5-inch racks.)

Aluminium Cases



A triumph of strength and style, CP Cases aluminium cases protect their contents even under severe impact and are tougher, lighter and more resilient than traditional designs in laminated plywood.

CP Cases aluminium cases are the ideal balance between style and protection. Made from 2mm rigidised aluminium, cases are constructed without an edge corner weld to prevent seam splitting and the pre-pressed corners add extra strength and exceptional resistance to drop damage.

The inter-locking lid/body seal, with an integrated neoprene rubber gasket, protects contents against rain, dirt, dust and other environmental hazards.

Custom Solutions



CP Cases' design team can create a solution for any application that you or your products require. Designers are equipped with state-of-the-art capabilities and have extensive experience in diverse manufacturing processes including rotomoulding, blow moulding and injection moulding, vacuum forming, precision sheet metal work and traditional craft skills in a wide range of materials.

ERack®



ERack is a lightweight, 19-inch ruggedised aluminium electronic transit rack, specifically designed for commercial and military applications when protection against physical, climatic and electromagnetic hazards are required, and where weight, strength and portability are critical issues.

ERack benefits from patented new technology; the external container has an innovative folded rim design, which eliminates the edge extrusion and makes the case stronger, lighter and more resistant to ingress by water and dust. The internal chassis frame is supported by special mounts that protect against shock. ERack is up to 30% lighter than other rack cases in its class.

Rugged Textiles



CP Cases manufactures a wide range of bags and covers for Original Equipment Manufacturers (OEMs), to provide a cost effective and practical solution for moving, deploying and protecting equipment and instrumentation. Products are widely

used in the medical, defence, electronics and broadcast industries for a variety of applications.

Whether protecting expensive broadcast equipment from rain showers at Wimbledon, to sales presentation packs for artificial knee joints, or operational bags for aircraft testing equipment; CP Cases can provide a solution. The design team draws on years of experience with protective textiles to create the most cost-effective bag for your needs.

Foam Engineering



CP Cases can create foam protection systems to meet exacting project requirements for colour, multi-layering and special properties, by a variety of processes, including high speed CNC routing, laminating, drilling, blocking and hand sculpting. Calculating which density and composition of foam to use and the exact thickness required to produce the desired deceleration on impact, ensures the best protection possible.



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**TRUSTED
WHEN IT
MATTERS**

About CP Cases

CP Cases designs and manufactures high-performance, protective cases and racks used for transport, operation and storage of essential equipment in commercial and military applications.

Many of our products are accredited to MIL-STD-810, rated IP65 and carry NATO stock numbers. With over 40 years' of expertise in producing cases, 19-inch rack solutions and rugged textile products, CP Cases has an unparalleled range of in-house skills and knowledge with materials and processes, including rotationally moulded products, plastic fabrication, aluminium, laminated plywood, HPP, textiles and CNC foam machining.

Full Capability Statement available on request.

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