

# Amazon Cases & Racks™

cp cases 

Amazon Cases & Racks™





A scenic photograph of a tropical river winding through a lush forest. On the left, large palm trees with green fronds are prominent. The river reflects the surrounding greenery and the overcast sky. In the background, misty mountains rise above the forest canopy.

# 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®

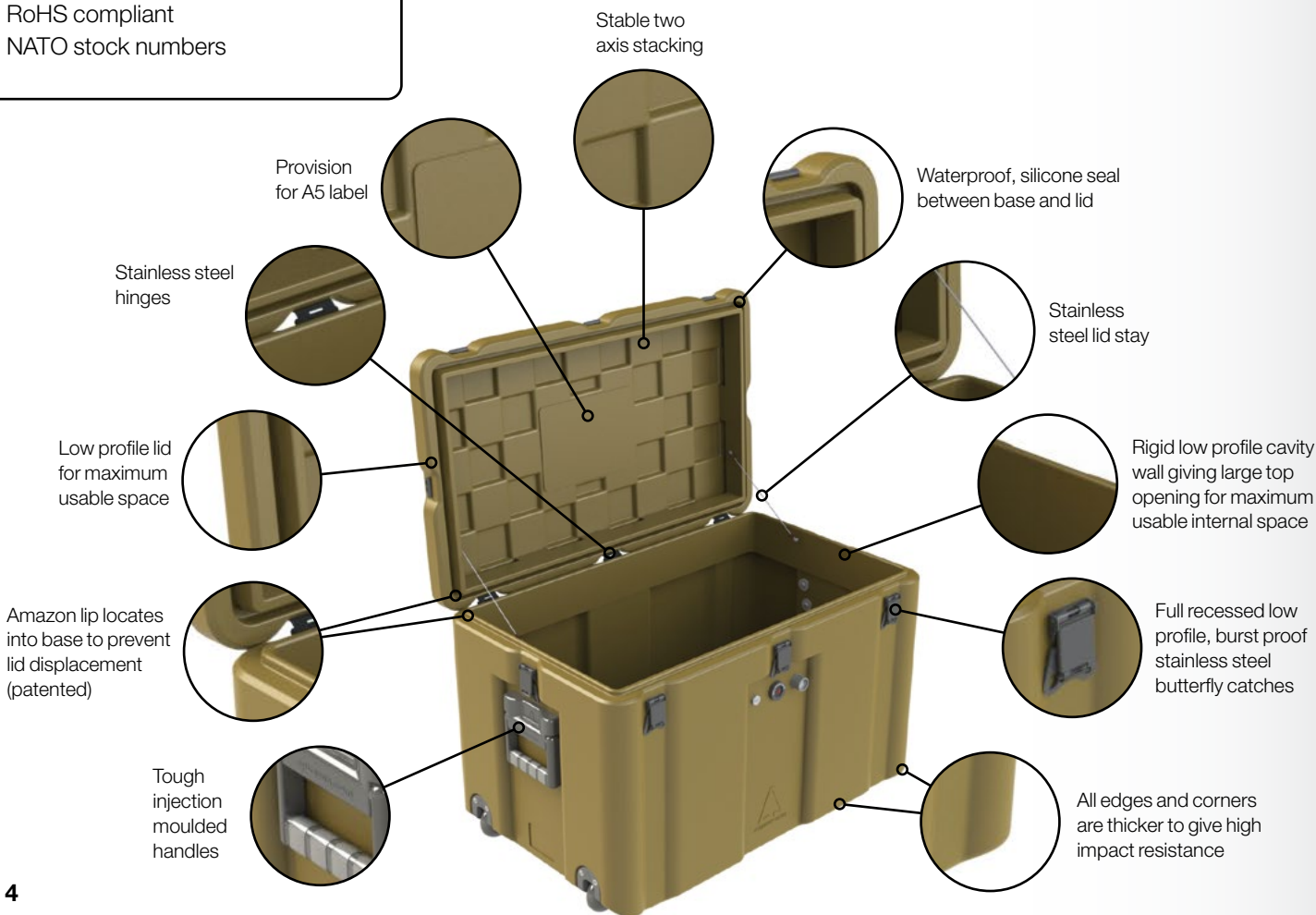
All Amazon Cases are produced using rotomoulding. Ideal for making tough, waterproof products and utilising a high quality polymer that thickens at the edges and corners for extra strength and impact resistance, Amazon has brought rotomoulded containers to a new level for the 21st century by using decades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



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

## Size Numbering System

AC	75	45	—	33	07	/AC
Amazon Case code	Length (cm)	Width (cm)		Base height (cm)	Lid height (cm)	Suffix

## Key to Suffix

/AC	/FL
All Catch	Fork Lift

## Key to NATO Stock Numbering (NSN)

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

Amazon Case Size List

Amazon Case Size List															
							Volume	Weight**	Handles	Catches	Hinges	Wheels*	Skids / Fork Lift	Quickship	
Part Number	External mm			Internal mm			m³	kg	No.	No.	No.	Y/N	Y/N	Y/N	NSN
	L	W	H	L	W	H									
AC4027-2807	400	275	350	341	216	312	0.02	4.0	2	2	2	Y	N	Y	-
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	
	L	W	H	L	W	H	m³	kg	No.	No.	No.	Y/N	Y/N	Y/N	NSN
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
AC1212-3109/AC	1200	1200	400	1116	1116	312	0.39	31.0	4	20	0	Y	Y	Y	-
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
AC2187-1561/AC	2030	864	760	1946	779	700	1.08	53.0	8	20	0	Y	Y	Y	-
AC2187-6115/AC	2031	864	760	1947	780	713	1.08	53.0	8	20	0	Y	Y	Y	-
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



# 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		
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### 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		
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### Stainless Steel Handles

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

AAHSB/BK		
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### Tie-downs

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

AATD002/BK	
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### 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 Stowage 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

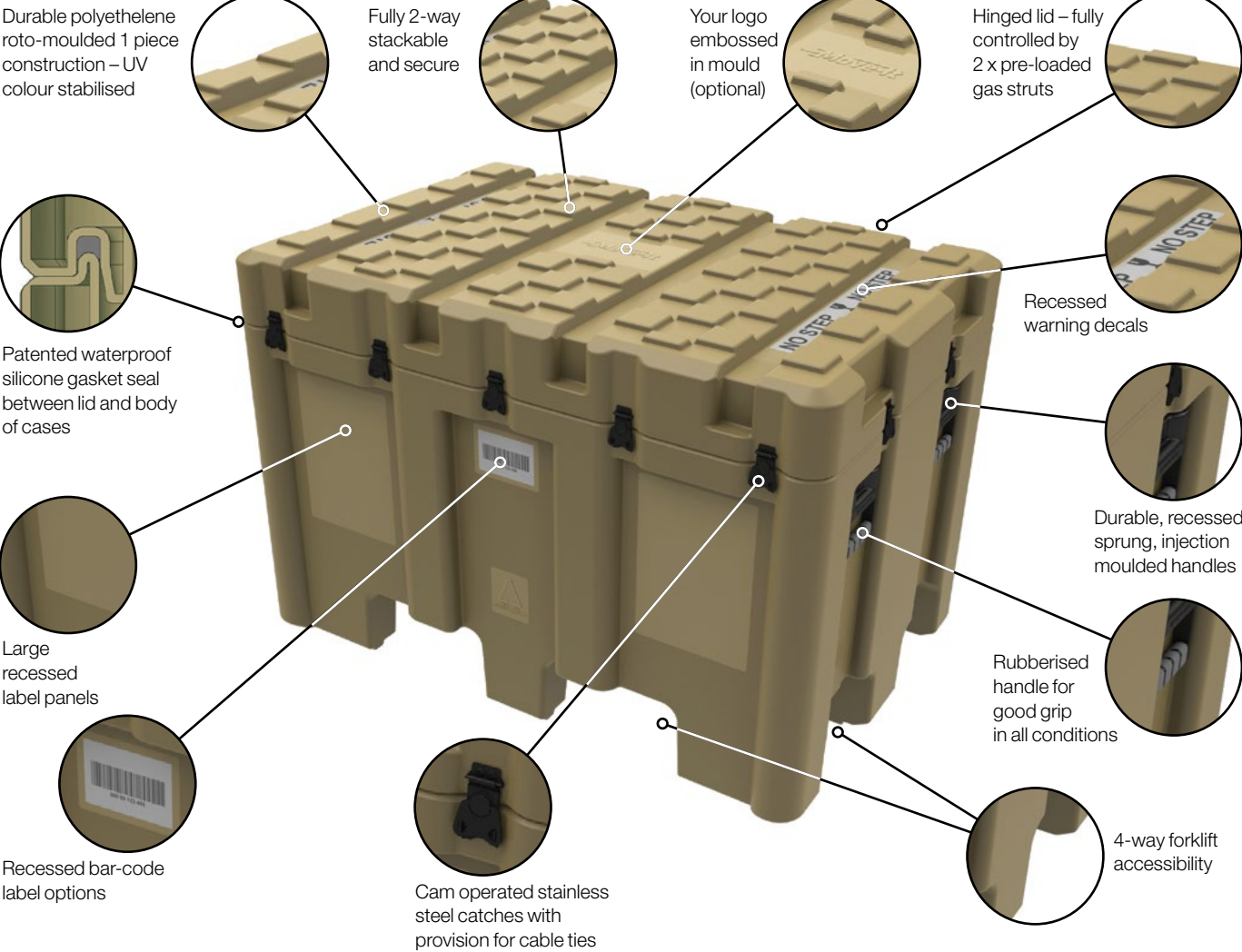


**Move-It™**  
“Anytime, anyplace, anywhere”



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

Part Number	External mm			Internal mm			Vol m³	Wgt kg	Handles	Catches	Hinges	Wheels
	L	W	H	L	W	H			No.	No.	No.	Y/N
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

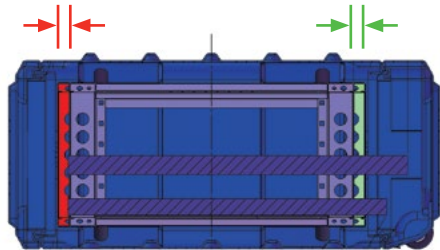
## Amazon Racks

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

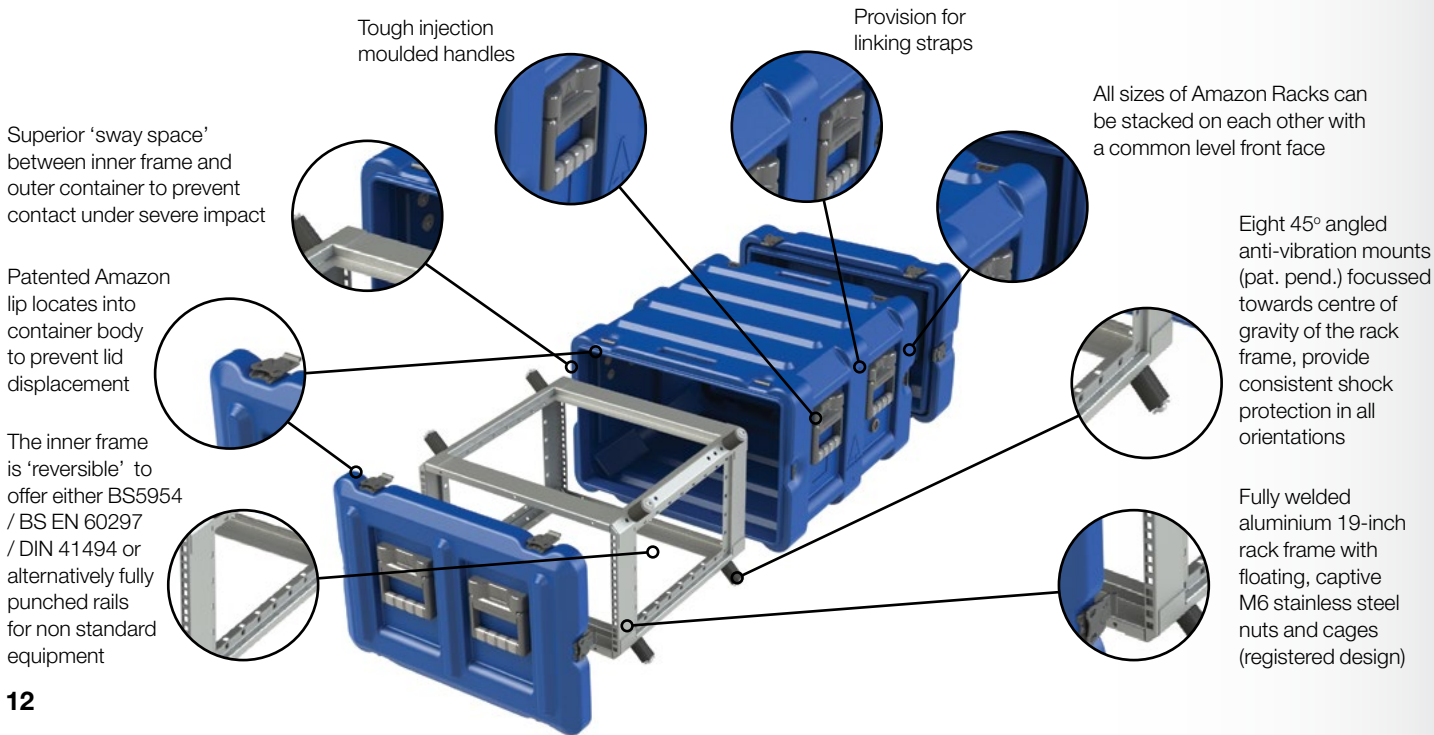
All Amazon Racks (excluding the removable 'EasyGlide' option) have a user-adjustable inner rack chassis that can be positioned 25mm forward or back from its central position to allow the accommodation of varying front panel and rear wiring needs.

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

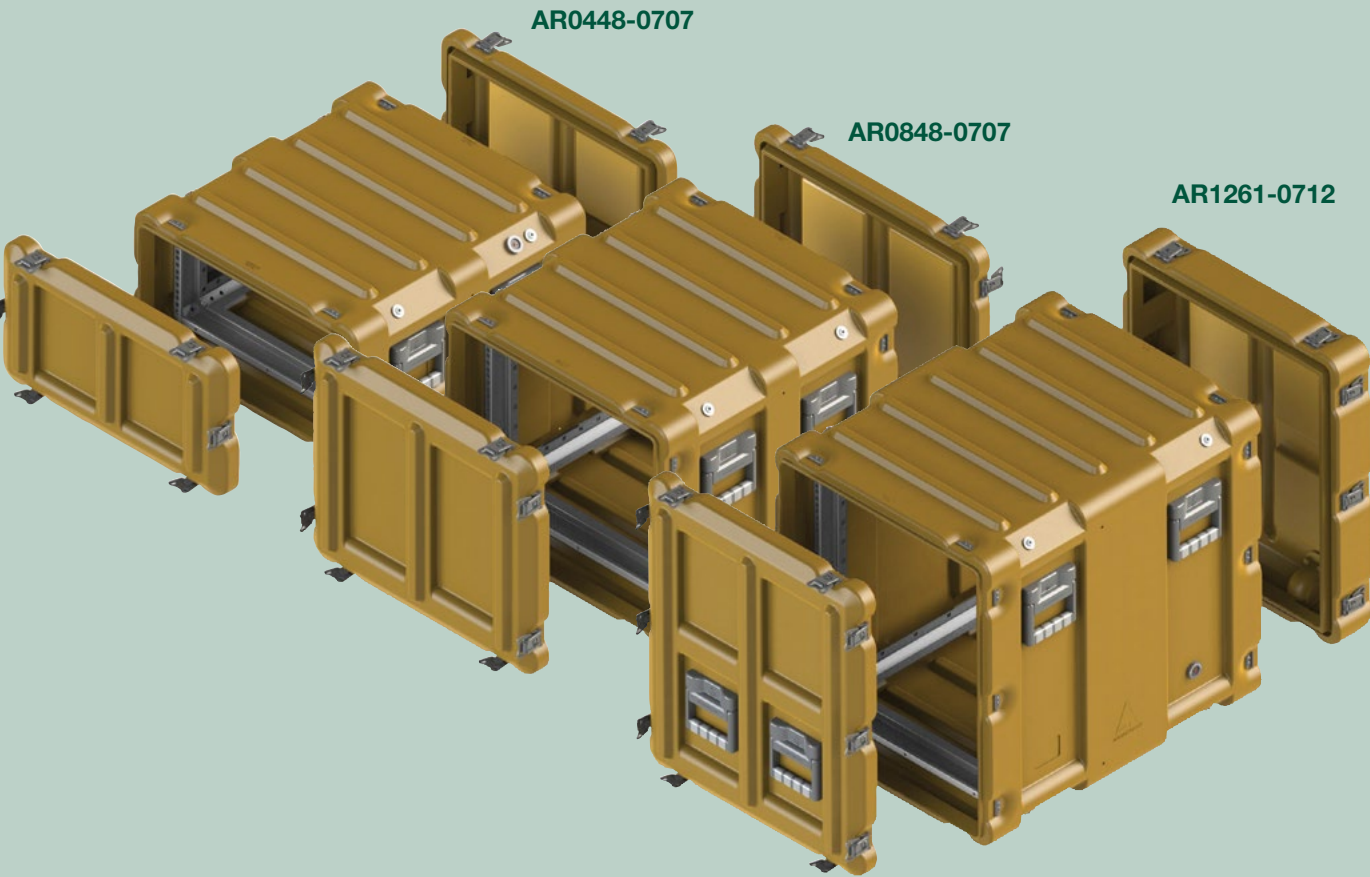


## Design features in addition to those of Amazon Cases include:

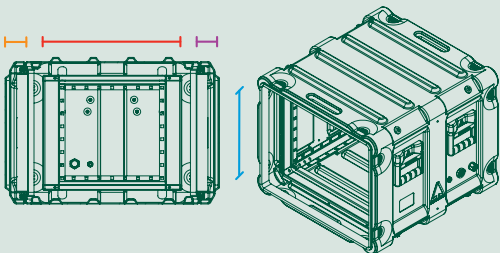
- U Size** Available from 4U to 14U with various standard 19-inch inner frame depth options
- M6** **Fixing Holes** Rack frame has additional M6 fixing holes in the rear face to accommodate non-standard equipment
- Fasteners** Standard, stainless steel M6 threaded fasteners secure electronic equipment 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
- EasyGlide™** Optional 'EasyGlide' (pat. pend.) removable, self-anchoring, internal frame system for convenience and speed of maintenance/replacement of equipment
- RoHS Restriction of Hazardous Substances** The inner rack frame and all fittings are stainless steel, making Amazon Racks totally RoHS compliant
- Sway** Superior 'sway-space' between inner frame and outercase to prevent contact with outer container under severe impact



# 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

Part Number	External mm			U-Height		Chassis Depth		Max Equipment Depth*		Volume		Weight**		Handles		Catches		Quickship	
				U	mm	mm	mm	m³	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

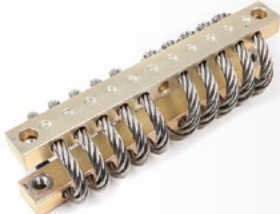
Stiffer elastomeric mounts are available for payloads in excess of 50kg. Elastomeric mounts can also be fitted in tandem at each corner of the internal suspended frame, to give a total of 16 anti-vibration mounts. This provides a controlled ride for very heavy loads.

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.

AAWRM


### 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.

AAET




### 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


### 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.

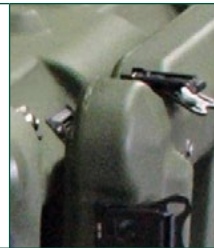

AAL/BK	AALPL/BK
	



### Lid Hangers

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







AALH/BK



### Wheels & Wheelboards

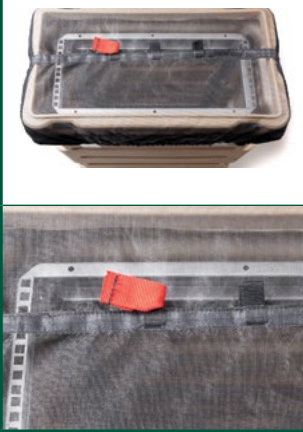












All racks can be fitted with two optional recessed wheels, housed in the deeper 125mm lid. These robust wheels allow ease of handling with heavier loads and do not protrude beyond the external dimensions of the case or racks. They are designed to come into operation as the case or rack is tilted, but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

AAINT610W/BK	AAW002	AAWC/BK
		
		



# Amazon Rack Accessories

<div><div><h3>Insect Hood</h3><p>Transparent membrane to protect sensitive equipment while still allowing visual access to the rack.</p></div><div><p>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</p></div><div></div></div>	<div><div><h3>Stiffening Ring</h3><p>Additional strengthening capability for rack access ports.</p></div><div><p>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</p></div><div></div></div>	<div><div><h3>Fixed Support Rails</h3><p>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)</p></div><div><p>AASR48 for 480mm chassis AASR61 for 610mm chassis AASR74 for 740mm chassis AASR87 for 870mm chassis</p></div><div></div></div>	<div><div><h3>Support Shelf</h3><p>Stainless steel full width shelf to provide extra support for heavy payloads.</p></div><div><p>AASSFW48 for 480mm chassis AASSFW61 for 610mm chassis AASSFW74 for 740mm chassis AASSFW87 for 870mm chassis</p></div><div></div></div>	<div><div><h3>Automatic Pressure Relief Valve (PRV)</h3><p>A two-way automatic pressure relief valve with manual override release push button enables equalisation of the pressure inside and outside the container.</p></div><div><p>AAPRV</p></div><div></div></div>	<div><div><h3>Gore® Membrane Vent</h3><p>A Gore® membrane vent allowing gradual equalisation of internal and external pressure without ingress of dust or water.</p></div><div><p>AAGTV</p></div><div></div></div>	<div><div><h3>Humidity Indicator</h3><p>Humidity indicator and replaceable desiccant container for effective humidity control during long-term storage.</p></div><div><p>AAHI3050</p></div><div></div></div>	<div><div><h3>Air Management &amp; Climate Control</h3><p>Axial fan, with filter, holder and protective louvre panel, can be added to facilitate ventilation and cool internals. (120mm x 120mm x 25mm)</p></div><div><p>AAFK01/12V/DC AAFK01/240V/DC AAFK01/240V/AC</p></div><div></div></div>
<div><div><h3>Labelling</h3><p>Labelling options include engraved metal, back printed, non-scratch polycarbonate and write-on/wipe-off labels, and document holders.</p></div><div><p>Available on request</p></div><div></div></div>	<div><div><h3>Fixings</h3><p>M6 stainless steel cage nut, panel screw and finishing washer (pack of 16).</p></div><div><p>AA423</p></div><div></div></div>	<div><div><h3>Rack Straps</h3><p>Secures racks together when stacked. All racks align at the front regardless of rack depth.</p></div><div><p>AAPLS/BK</p></div><div></div></div>	<div><div><h3>Rack Drainage</h3><p>The optional drain hole allows water to be drained whilst retaining the integrity of the outer container with the lids in place.</p></div><div><p>AADH</p></div><div></div></div>	<div><div><h3>Interstacker</h3><p>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.</p></div><div><p>AAINT610/BK</p></div><div></div></div>			



# 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 a 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				kg
		H	W	D	No.	No.	No.	No.	
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

## 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 protects 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 more than 50 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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