

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.

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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 steel inserts, allowing 'no hassie' in the field replacement if ever required. A silicon 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 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®

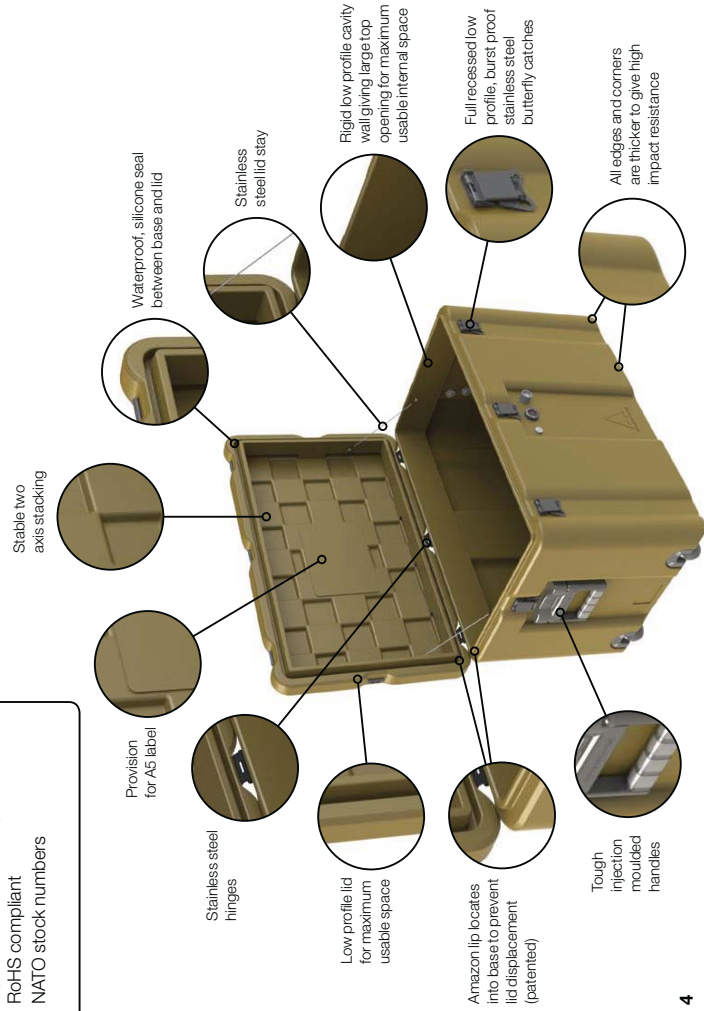
All Amazon Cases are produced using rotomoulding. Ideal for making tough, water-proof products and utilising a high quality polymer that thickens at the edges and corners for extra strength and impact resistance, Amazon has brought rotomoulded containers to a new level for the 21st century by using decades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

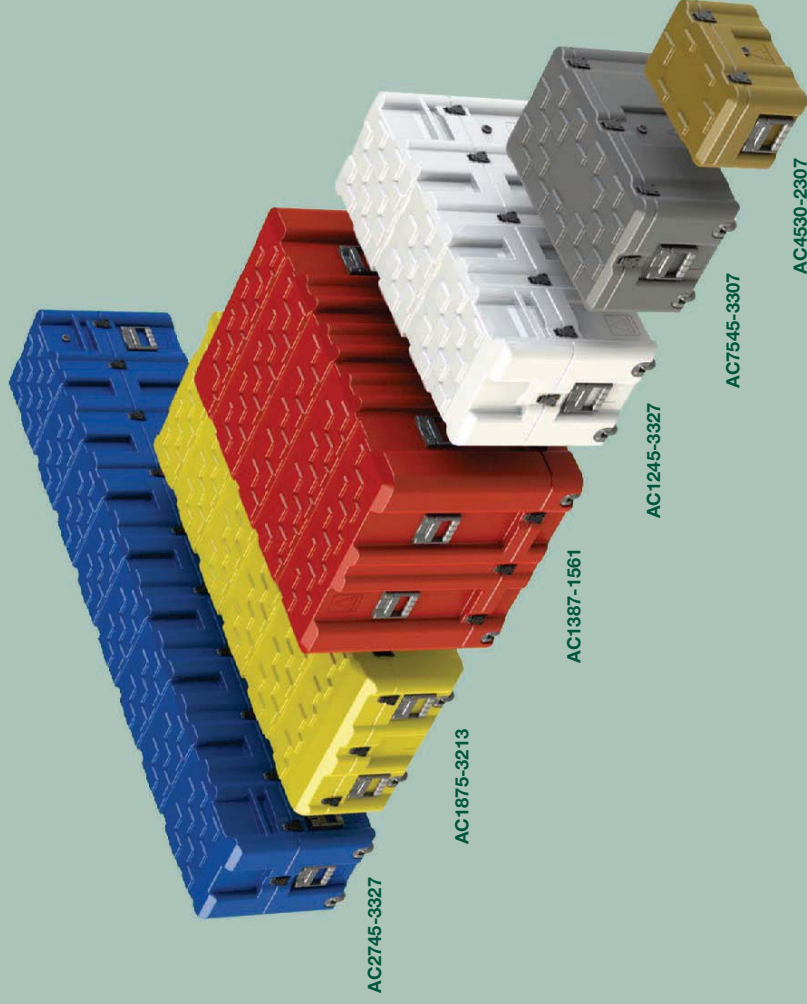
Amazon Cases & Racks carry the following accreditations and standards:

- MIL-STD-810F
- 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
- 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 $+70^{\circ}\text{C}$
- Space** Maximised capacity versus external size
- Stacking** Two axis location and engagement feature for positive stacking
- Temperature** Stable in temperatures from -40°C to $+70^{\circ}\text{C}$
- 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

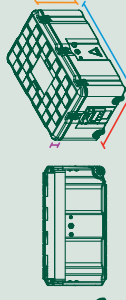
Size Numbering System

AC	75	45	-
Amazon Case code	Length	Width	

Key to Suffix

/AC	/FL
All Catch	Fork Lift

33	07	/AC
Base height	Lid Height	Suffix



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

Part Number External mm Internal mm Volume Weight** Handles Catches Hinges Wheels* Skids Quickship

Part Number	External mm		Internal mm			m ³	kg	No.	No.	Y/N	Y/N	Y/N	Y/N	NSN
	L	W	H	L	W									
AC4530-2307	450	300	300	390	240	260	0.04	5.0	2	2	N	N	Y	8145-99-253-0976
AC4631-0808	458	305	153	374	222	117	0.02	4.1	1	2	N	N	N	8145-99-587-3852
AC4631-2110	458	305	305	374	222	269	0.04	6.1	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	Y	8145-99-988-4816
AC5048-3807	500	480	450	440	420	410	0.11	9.0	2	6	2	N	Y	8145-99-891-0808
AC5644-6210	559	439	712	476	355	676	0.17	9.7	2	6	2	N	N	8145-99-979-4522
AC6030-5307	600	300	600	540	240	560	0.11	9.4	2	5	3	N	Y	8145-99-667-6868
AC6040-4307	600	400	500	540	340	460	0.12	10.9	2	5	3	N	Y	8145-99-551-4820
AC6045-2307	600	450	300	540	390	260	0.08	9.2	2	5	3	N	Y	8145-99-883-7854
AC6045-3307	600	450	400	540	390	360	0.11	9.6	2	5	3	N	Y	8145-99-666-7176
AC6045-4307	600	450	500	540	390	460	0.14	11.2	2	5	3	N	Y	8145-99-887-2317
AC6060-4307	600	600	500	540	540	460	0.18	13.0	4	7	3	N	Y	8145-99-402-7149
AC6060-5307	600	600	600	540	540	560	0.22	15.5	4	7	3	N	Y	8145-99-235-4895
AC6146-2110	610	458	305	527	374	269	0.09	7.7	2	5	3	N	N	8145-99-614-4803
AC6146-4211	610	458	521	527	374	485	0.15	9.7	2	5	3	N	N	8145-99-396-2047
AC6161-4615	610	610	610	527	527	549	0.23	14.0	4	7	3	N	N	8145-99-979-4522
AC7545-3307	750	450	400	690	390	360	0.14	12.3	2	5	3	Y	N	8145-99-761-2896
AC7545-4307	750	450	500	690	390	460	0.17	13.7	2	5	3	Y	N	8145-99-388-6300
AC7545-5307	750	450	600	690	390	560	0.20	15.4	2	5	3	Y	N	8145-99-729-6181
AC7552-3010	743	515	407	660	431	371	0.16	12.7	2	5	3	N	N	8145-99-814-4114
AC7560-2307	750	600	300	690	540	260	0.14	13.0	4	7	3	Y	N	8145-99-751-6085
AC7560-3307	750	600	400	690	540	360	0.18	13.4	4	7	3	Y	N	8145-99-514-4366
AC7560-4307	750	600	500	690	540	460	0.23	15.9	4	7	3	Y	N	8145-99-891-0545
AC7560-5307	750	600	600	690	540	560	0.27	17.2	4	7	3	Y	N	8145-99-754-8113
AC8249-2507	820	483	320	736	400	284	0.13	12.0	2	5	3	N	N	8145-99-891-7731
AC8754-6115/AC	864	533	760	779	446	700	0.35	18.0	6	10	0	Y	N	8145-99-480-8493
AC8754-1561/AC	864	533	760	779	446	700	0.35	18.0	6	10	0	Y	N	8145-99-585-8854
AC8775-6115/AC	864	745	760	779	660	700	0.49	22.2	4	12	0	Y	N	8145-99-471-5373
AC8775-1561/AC	864	745	760	779	660	700	0.49	22.2	4	12	0	Y	N	8145-99-551-8729
AC9045-2307	900	450	300	840	390	260	0.12	12.7	2	6	4	Y	Y	8145-99-998-2342
AC9045-3307	900	450	400	840	390	360	0.16	14.1	2	6	4	Y	Y	8145-99-582-6415
AC9045-3327/AC	900	450	620	815	365	560	0.24	14.1	2	10	0	Y	Y	8145-99-284-3371
AC9045-4307	900	450	500	840	390	460	0.20	14.7	2	6	4	Y	Y	8145-99-382-3513
AC9045-5307	900	450	600	840	390	560	0.24	15.4	2	6	4	Y	Y	8145-99-307-5179
AC9060-3307	900	600	400	840	540	360	0.22	17.5	4	8	4	Y	Y	8145-99-147-9484
AC9060-4307	900	600	500	840	540	460	0.27	19.6	4	8	4	Y	Y	8145-99-666-7174
AC9060-5307	900	600	600	840	540	560	0.32	21.6	4	8	4	Y	Y	8145-99-376-9256
AC9060-3327/AC	900	600	600	840	540	560	0.32	22.6	8	12	0	Y	Y	8145-99-492-9646
AC9060-2733/AC	900	600	600	840	540	560	0.32	22.6	8	12	0	Y	Y	8145-99-731-8675
AC9060-4327/AC	900	600	700	840	540	660	0.38	20.0	8	12	0	Y	Y	8145-99-484-3618
AC9060-2743/AC	900	600	700	840	540	660	0.38	20.0	8	12	0	Y	Y	8145-99-813-3100

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

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.

AAAPRV



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.

AAHI



Padlockable Latches

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


AAATPL/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 retro fitted by users without the use of tools.

Available on request

AAINT610/BK



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



Butterfly Latches

Standard cam-operated butterfly latch.

AAAL/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



Lockable Toggle Latch

Toggle latch with integrated lock.

AALC236/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



Steel Handles

Black steel handles are available as an alternative to the injection moulded handles supplied as standard.

AAHSEB/BK

AATD001/BK



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 25mm 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.

AAW001

AAINT610W/BK

AAWC/BK



Amazon Case Applications

Certification and accreditations are available on request



Applications in

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

Amazon Rack Features

Amazon Racks

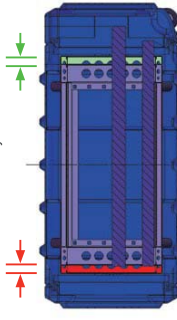
Amazon design skills have also been applied to produce a new generation of 19-inch racks to protect electronic, IT and telecommunications equipment against climatic extremes and rough handling in field conditions. Amazon Racks combine the tough resilience of a rotomoulded case with a lightweight chassis 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 centrally
25mm forward

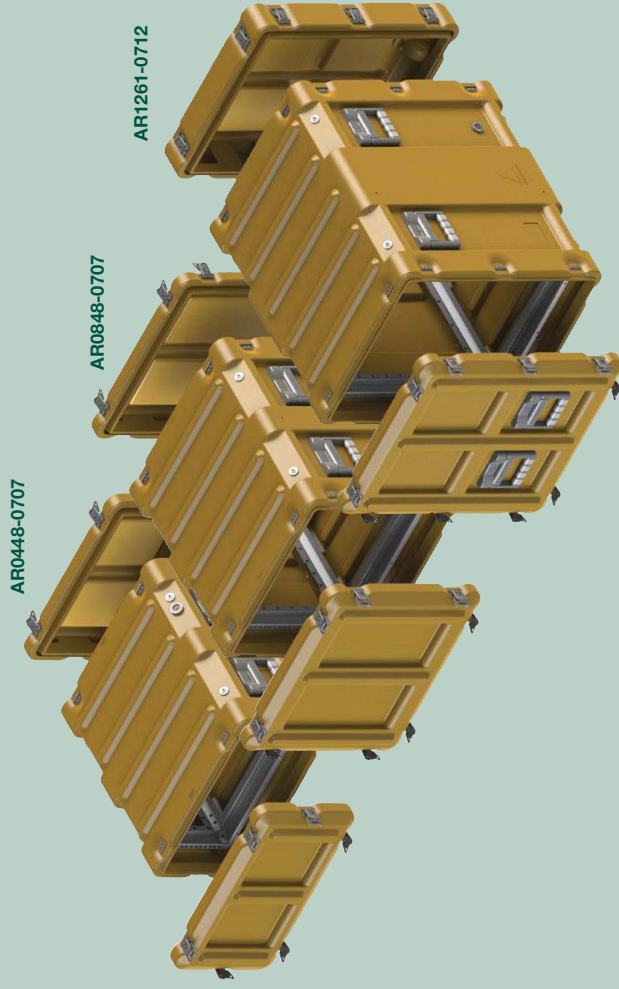
Frame can be positioned centrally
25mm rearward



Design features in addition to those of Amazon Cases include:

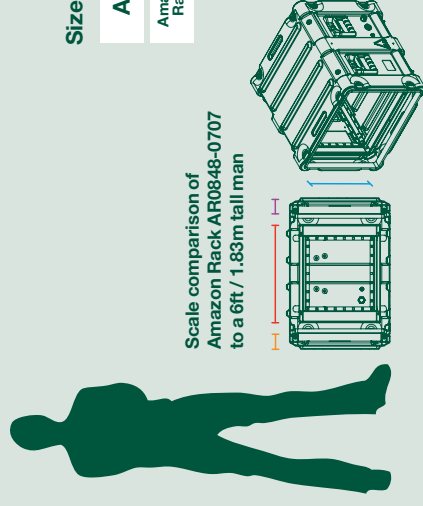
- U** Size Available from 4U to 14U with various standard 19-inch inner frame depth options
- M** Mounts Eight 45° angled elastomeric anti-vibration mounts (pat. pend.) with a choice of Shore hardness grades, angled towards centre of gravity of the rack frame, provide optimised shock protection in all orientations.
- I** Sway Superior 'sway-space' between inner frame and outer case to prevent contact with outer container under severe impact
- E** EasyGlide™ Optional 'EasyGlide' (pat. pend.) removable, self-anchoring, internal frame system for convenience and speed of maintenance/replacement of equipment
- R** Restriction of Hazardous Substances The inner rack frame and all fittings are stainless steel, making Amazon Racks totally RoHS compliant
- M6** Fixing Holes Rack frame has additional M6 fixing holes in the rear face to accommodate non-standard equipment
- F** 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
- L** Stacking All racks have positive stacking, aligning at the front face
- S** Standards Internal rack frame conforms to BS5954 / BS EN 60297 / DIN 41494
- C** Suitable for Corrosive Environments Stainless steel chassis is available if the rack is to be used in saltwater environments
- H** Very Heavy Payloads More robust chassis is available for heavy loads

Sizes and Numbering



Size Numbering System

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



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

Amazon Rack Size List

Part Number	External mm			U	Chassis Depth		Volume	Weight**	Handles	Catches	Quickship	
	H	D	W		mm	mm						m ³
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
AR0474-0707	328	1000	583	4	740	880	0.19	18.0	4	12	TBA	8145-99-213-6964
AR0474-0712	328	1055	583	4	740	880	0.20	19.4	4	12	TBA	8145-99-241-7533
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	8145-99-968-8744
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
AR0674-0707	417	1000	583	6	740	880	0.24	19.1	4	12	TBA	8145-99-419-3196
AR0674-0712	417	1055	583	6	740	880	0.26	20.5	4	12	TBA	8145-99-961-4523
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	TBA	-
AR1448-0712	773	795	583	14	480	620	0.36	26.2	4	24	TBA	-
AR1461-0707	773	870	583	14	610	750	0.40	26.1	4	24	TBA	-
AR1461-0712	773	925	583	14	610	750	0.42	27.5	4	24	TBA	-

* 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

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

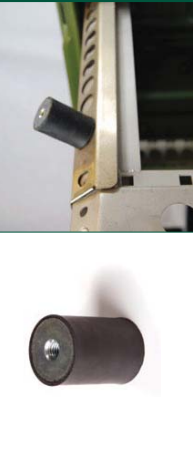


Amazon Rack Accessories

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.

AAANM458 Fit additional 8 AV mounts, 45 shore hardness
 AAANM608 Fit additional 8 AV mounts, 60 shore hardness
 AAANM465 Supply only additional 8 AV mounts, 45 shore hardness
 AAANM660 Supply only additional 8 AV mounts, 60 shore hardness



Wire Rope Anti-Vibration Mounts

AAWRM

Wire rope isolators can be fitted in place of elastomeric mounts. These comprise 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.



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
 AAPOS6 for 6U rack
 AAPOS8 for 8U rack
 AAPOS10 for 10U rack
 AAPOS12 for 12U rack
 AAPOS14 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 retro fitted by users without the use of tools.

AAASP0407/BK for 4U rack x 70mm lid
 AAASP0412/BK for 4U rack x 125mm lid
 AAASP0607/BK for 6U rack x 125mm lid
 AAASP0612/BK for 6U rack x 70mm lid
 AAASP0807/BK for 8U rack x 125mm lid
 AAASP0812/BK for 8U rack x 70mm lid
 AAASP1007/BK for 10U rack x 125mm lid
 AAASP1012/BK for 10U rack x 70mm lid
 AAASP1207/BK for 12U rack x 125mm lid
 AAASP1212/BK for 12U rack x 70mm lid
 AAASP1407/BK for 14U rack x 125mm lid
 AAASP1412/BK for 14U rack x 125mm lid



Lid Hangers

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

AAALH/BK



Lockable Toggle Latch

Toggle latch with integrated lock.

AAALC236/BK



Padlockable Latches

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

AAABTPL/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.

AAAHPL/BK



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



Butterfly Latches

Standard cam-operated butterfly latch.

AAAL/BK

AAABTPL/BK



Steel Handles

Black steel handles are available as an alternative to the injection moulded handles supplied as standard.

AAHSE/BK

AATD001/BK



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 25mm 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 storage. 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

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

AAAMN04 for 4U Amazon rack
AAAMN06 for 6U Amazon rack
AAAMN08 for 8U Amazon rack
AAAMN10 for 10U Amazon rack
AAAMN12 for 12U Amazon rack
AAAMN14 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
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.

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

Support Shelves
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 enables equalisation of the pressure inside and outside the container.

AAAPRV




Core® 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.

AAHI






Air Management & Climate Control
Two 12V axial fans, with filters, holder and protective louver panels, can be added to facilitate ventilation and cool internals. (120mm x 120mm x 25mm)

AAFK01




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 and Panel Screw (pack of 12).

AA423



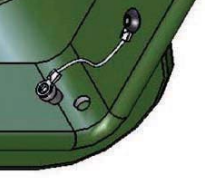

Rack Straps
Secures racks together when stacked. All racks align at the front regardless of rack depth.

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.

AAADH




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




Cup Mounts
Small double (back-to-back) cup mounts give high deflection capability in all directions, isolating equipment for shock protection and vibration.

AAWRM



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" 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" 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 perimeter are met. Normally end-mounted, CP Cases offer the capability to integrate in a range of orientations to fit client requirements.

SatRack™



Designed for Electronic News Gatherers and Media Professionals, operating across the globe, SatRack is a lightweight solution that can be hand 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.)

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.

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.

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.

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.

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.

Amazon Size Numbering System

Part Number	External mm		U-Height	Handles	Catches	Wheels	Quickship
	H	W D					
AACC 0624-0707	417	583	6	2	12	N	Y
AACC 0624-0712	417	583	6	2	12	Y	Y
AACC 0835-0707*	506	583	8	2	16	N	N
AACC 0835-0712*	506	583	8	2	16	Y	N
AACC 1035-0707*	595	583	10	2	20	N	N
AACC 1035-0712*	595	583	10	2	20	Y	N
AACC 1224-0707	684	583	12	2	20	N	Y
AACC 1224-0712	684	583	12	2	20	Y	Y
AACC1235-0707*	684	583	12	2	20	N	N
AACC1235-0712*	684	583	12	2	20	Y	N

* Enquire for customisation options.