



HARDIGG SINGLE LID CASE
SPECIFICATION SHEET & SIZE LIST

**REUSABLE CONTAINER, SINGLE
LID, SHIPPING AND STORAGE, FOR
WORLD-WIDE, GOVERNMENT TYPE
TRANSPORT AND HANDLING**

Over 250 case sizes available to meet all your shipping needs



Engineering Resources and History:

Hardigg Cases, a division of Hardigg Industries, Inc. USA. Cage Code 11214.

The development of Reusable Transport Cases for use in worldwide environments has been Hardigg's mission for the last 38 years. We continually review improvements, enhancements, and refinements to our cases in an effort to better serve our global client base. A standardized, but focused, family of containers constructed with all the features and functions for the protection required for worldwide transport and storage of delicate products is our mission. Our package engineering resources are industry recognized and qualify Hardigg to participate in packaging programs of all types.

Hardigg has hundreds of NSN (National Stock Number) containers listed for government procurement, with 25 of these listed in MIL-STD-2073.

Hardigg's existing family of Reusable Containers are very well suited to Military, Industrial, and Aerospace clients that need a long service life and exceptional protection for fragile equipment.

Application: Hardigg is the industry leader of single-lid, rotomolded transport cases. We have a case to ship and protect virtually any industrial, commercial, scientific, or military equipment – computers, tools, electronics, demos, audio, medical, etc. Hardigg's reusable single-lid cases are both lightweight and incredibly rugged, because of unique designs that optimize the rotational molding processes. We offer single-lid cases compliant with ATA and MIL-SPEC requirements for your shipping needs, and you can count on a Hardigg portable transport case to be lightweight yet heavy-duty, low-maintenance, and reusable for many years. Every element is designed to maximize reliability, strength, and protection resulting from over three decades of continuous research, development, testing, and real-world feedback.

Design: The container shall be rotationally molded of virgin polyethylene. Molded container material will be IAW ASTM D 4976-00b, PE223. Corners and edges to be a minimum 10% thicker than flat wall surfaces. Pigment and ultra violet (UV) stabilizers shall be compounded into the polyethylene shell material. Resultant minimum operational and uncontrolled storage life shall be 10 years. Controlled storage life shall be in excess of 15 years.

1. Low profile wing turn, cam action, fasteners shall be located on the base section of the container. Corresponding strikes shall be located on the lid section of the container. Each catch and strike will be secured to imbedded stainless steel metal inserts within the container wall. Stainless steel rivets shall be used to secure the fastener and strike to the metal insert. Fastener material shall be plated steel or 300 series stainless steel as specified in purchase order or contract documentation. **Rivets are used to attach the external hardware as we have found that they provide the most reliable and durable attachment method available. The ultimate test for hardware attachment is in the vibration commonly seen in transportation environments, and rivets are strong, cost-effective, provide added mechanical security, and prevent unauthorized entry. Furthermore, they will never be cross-threaded or have the head socket stripped. Hardware is field replaceable using readily available standard rivet gun.**

1a. If screw type hardware is essential to the customer, Hardigg can install fasteners that are replaceable by the warfighter in the field using a standard screwdriver. Note that this is not the recommended method because any person with a screwdriver can unscrew the fasteners thus resulting in compromised security of the container and contents.

2. The container shell shall be rectangular in design with smooth rounded corners and edges. Corner radii shall be maximized without reducing usable interior volume and shall optimize the geometry for dynamic impact resistance. Remember, the G's are lower in a HARDI_{GG} Case!
3. Vertical recesses shall be molded-in to provide recessed protected areas for attachment of all hardware.
4. Male inter-locking stacking ribs shall be molded into the top surface and corresponding female ribs molded into the bottom surface. Ribs provide stacking options as well as add strength to the container. Like size containers stack and interlock. The container structure shall be self-draining in the normal upright shipping attitude.
5. Color shall be standard gray or other color as specified in Purchase Order or Contract documents. Color is uniform throughout case walls, and cannot be peeled, scraped, or scratched away. For list of optional colors, see Appendix 2.
6. Hardigg Comfort Grip handles are the industry's easiest to hold. These polyethylene molded and spring loaded handles are available in two sizes – the Model 75, which is rated to 75 lbs. per handle, and the Model 150, which is rated to 150 lbs. Model 150 has an integral 90° stop, while the Model 75 uses the handlewell as a stop. 90°-stop, spring loaded metal handles are also available, and in a variety of finishes. All cases have handles in commonly desired locations, and extra handles are an available option.
7. Molded-in anti-shear base-to-lid interlocks (U.S. Patent No. 4,284,202) located at each catch and hinge location prevent lid separation on impact.
8. Standard hardware is high-strength steel with zinc, plated for corrosion protection. 300 series Stainless steel and Stainless Steel Black Oxide Finish are available.
9. An airtight seal shall be accomplished by using a tongue-in-groove gasketed parting line. The integral parting line will be formed with the container shell during molding.
10. Cases shall be reliably airtight, even after extensive rough handling and exposure to environmental extremes. First article qualification tests can be conducted in Hardigg's package evaluation laboratory.
11. When a container needs to be airtight, a closed loop elastomeric gasket shall be provided. A gasket shall be permanently bonded to the container lid, and shall be completely recessed to minimize susceptibility to damage. A Pressure-Relief valve and corresponding instruction label shall be provided and appropriately sized on all airtight containers.

Size / Weight: See Appendix 1, Hardigg Standard Single Lid Case Sizes.

The Hardigg part number indicates the nominal inside dimensions of the case. The first four digits are the left to right, and front to back dimensions. The second four digits are the base top to bottom and the lid top to bottom dimensions.

For example: the AL2624-0813 is 26" left to right, 24" front to back; the base is 8" deep, and the lid is 13" deep.

Cushion Requirements:

Protect against shock and vibration with a cushioning system customized to your specific equipment. We offer polyethylene and polyurethane shipping foam, custom-cut to immobilize your equipment within the case. Antistatic and fire retardant foams are available on request. Also available: partitions and Velcro straps, instruction labels, etc.

Optional Features:

OPTIONS	BENEFITS
All-Catch Lids	Hinges replaced by wing/turn catch-strike pairs, so the lid can be completely removed.
Automatic / manual breather valves	Minimize air exchange when container is subjected to changes in temperature and altitude.
Humidity Indicators, bagged desiccant, desiccant storage provisions	Indicate level of dryness. Protect your gear from moisture.
Metal Card Holder	Displays shipping card, container contents.
Custom I.D. Plates with bar codes and UID as required / Labeling Options to include standard marking labels as well as permanent, Epoxy, markings.	Identify cases and content belonging to you or your organization.
Forklift provisions or skid runners	For easier transport and handling.
Extra handles	Makes it easier to handle larger cases.
Casters: removable, fixed, and/or edge-mounted	For greater manageability.
Locking cable / hasps	Secure anywhere.
Colors (as listed in Appendix 1)	Coordinate with agency color schemes.
Lift/Tie-down rings	For lifting larger and heavier containers and transport tie-down

Military Specifications:

Meets container applications in the following specifications:

MIL-STD-810, "Test Method Standard for Environmental Engineering Considerations and Laboratory Tests"

MIL-STD-2073, "Standard Practice for Military Packaging"

MIL-T-28800,

ASTM 4169, "Standard Practice for Performance Testing of Shipping Containers and Systems"

ATA compliant, Cases exceed ATA Spec 300 Category 1, long life reusable..

Optional Military Specs Available:

• MIL-STD-648	• MIL-T-21200
• MIL-STD-3010	• MIL-PRF-28800
• MIL-STD-130	• MIL-HDBK-454
• MIL-STD-1472	• MIL-I-45208
• MIL-C-4150J	• ASTM D 3951
• MIL-HDBK-304	• SAE-ARP-1967

Testing:

Hardigg cases are tested beyond the limits of ordinary shipping containers. Our on-site, state-of-the-art environmental test laboratory includes a walk-in environmental chamber for extreme temperature testing, a computerized vibration table and computerized drop test equipment. The test laboratory enables our technicians to qualify container systems for compliance to your specifications. Our in-house lab is a DLA Authorized Testing Facility and maintains current calibrations on all test equipment.

Hardigg containers have been procured and / or tested under numerous MIL-SPEC testing and certification procedures. Those below are among the most popular used for evaluating reusable containers manufactured for worldwide shipping, handling and storage.

The following tests should be performed on a fully loaded container, with payload, and cushion or custom shock isolation system. Doing so evaluates not only the container shell, but also the ability of the system to protect the payload to the desired fragility level. If no specific load is known, we recommend a payload density of twenty (20) pounds per cubic foot.

Drop Test:

Drop Tests, of a fully loaded container, shall be conducted in accordance with Federal Test Method Standard 101, Method 5007, Procedure A, or ASTM-D-4169, Distribution Cycle (DC) 18. Alternative test procedure: MIL-STD-810F, Method 516.5, Procedure IV, Transit drop test (freefall drops onto concrete with drop heights up to 48”).

Shock Test:

Testing per MIL-STD-810 Method 516, Procedure II is available, but is much less severe than the drop tests listed above.

Vibration Test:

Loose Load Vibration (i.e. Loose Cargo Bounce, Repetitive Shock) test of a loaded container shall be conducted in accordance with ASTM D 4169, Schedule F, Assurance Level 1, per Distribution Cycle (DC) 18, in three (3) axes. Alternative Test: MIL-STD-810E, Method 514.4 (composite inputs). This

test covers the inputs from Ground, Air, and Sea transport (procedures as specified; random on random).

Water Leak Test:

Spray-tight test shall be performed in accordance with ASTM D 951, High Intensity Level. Note that this test is more demanding than the simple rain test MIL-STD-810 Method 509. ASTM D 951 includes high-pressure water spray from all directions, as would be seen on an open flatbed truck during a heavy rainstorm.

Airtight Test:

Air tightness shall be verified in accordance with Federal Test Method Standard 101, Procedure 5009, Pneumatic Pressure Technique. Air pressure in test container shall be 0.50 PSIG.

Temperature and Humidity Test:

Containers shall tolerate without damage, storage and operation at temperatures from -54 to 74 degrees Celsius (-65F to +165F) and relative humidity ranging from 0 to 100% over the temperature extremes. We recommend performing an air pressure test to verify that no cracks or other damage occurred as a result of temperature exposure.

Altitude:

Containers shall tolerate without damage, storage and operations at elevations up to 40,000 feet (12192 meters) above sea level. Ref: MIL-STD-810E, Method 500.3. To control pressure differentials, properly sized, automatic / manual Pressure Relief Valves (PRV's) are installed.

UV Radiation:

Resin complies with ASTM D 4976-00b, PE223 (integrally-blended UV stabilizers to minimize loss of desirable mechanical properties after long-term exposure to sunlight / UV radiation). All other components of container shall tolerate similar conditions without damage.

Static Loading:

Concentrated Load Test IAW FTMS 101, Method 5016. Hardigg has conducted stacked loading tests on a container size 58"x34"x29" high at 4,153 lbs. (265 lbs / sq ft) for 24 hours. The test was conducted and the container passed IAW DOT 49CFR 178.350 for Hazardous materials shipping and transport. We believe this test to be equal to or greater than that required by FTMS 101.

Handling Test:

Suspend case by one handle, IAW FTMS 101, Method 5011. Hardigg container for the Advance Cruise Missile engine was tested at Wright Patterson AFB. Container size was 43" x 31" x 24" high and weighed 313 pounds gross. Both metal type hand lift and hoisting rings were tested and passed.

Additional Testing:

Our containers have been tested for fungus resistance, salt fog (measure of corrosion resistance), submersion, Water Vapor, etc. All tests can be customized to suit the mission of the container.

Certification:

Hardigg can certify deliverable items to the performance requirements of this specification by similarity or testing as ordered.

Inspection:

Quality Assurance:

Vendor shall maintain a Quality Management System in accordance with ISO 9001:2000

Appendix 1: HARDIGG STANDARD SINGLE LID CASE SIZES

CASE SIZE	Approx Inside Dims					Approx Outside Dims					SHIP	Quick-Ship
	L	W	H	BASE	LID	L	W	H	LBS	Case Cube		
AL1010-0904	9.93	10	12.7	8.7	4	12.93	13	14.39	9.8	1.39	UPS	Y
AL1010-0905	9.93	10	13.95	8.7	5.25	12.93	13	15.64	10	1.52	UPS	
AL1010-1404	10	17.75	10	13.75	4	13	13	19.44	11.5	1.9	UPS	
AL1010-1405	9.93	10	19	13.75	5.25	12.93	13	20.69	12.4	2.01	UPS	
CL1109-0303HL	11	8.87	6	3	3	13.12	10.87	8.19	5.4	0.67	UPS	
AL1212-0404	12	12	8.21	4.21	4	15	15	9.9	10.6	1.28	UPS	
AL1212-0405	12	12	9.33	4.21	5.12	15	15	11.02	10.8	1.43	UPS	Y
AL1212-1204	12	12	15.27	11.27	4	15	15	16.96	12.8	2.2	UPS	
AL1212-1205	12	12	16.39	11.27	5.12	15	15	18.08	13.1	2.35	UPS	
AL1212-1504	12	12	19.18	15.18	4	15	15	20.87	14.7	2.71	UPS	
AL1212-1505	12	12	20.3	15.18	5.12	15	15	21.99	14.9	2.86	UPS	
AL1212-1904	12	12	22.7	18.7	4	15	15	24.39	16.8	3.17	UPS	
AL1212-1905	12	12	23.82	18.7	5.12	15	15	25.51	17.0	3.32	UPS	
AL13115-0805FT	131	15	13.25	8.25	5	134	18	17.97	97.0	25.08	FRT	
CL1412-0502	14.75	11.87	7.43	4.93	2.5	16.87	13.87	8.44	9.4	1.14	UPS	
AL1413-0505	14.5	13.12	10.3	5.06	5.24	17.5	16.12	11.99	13.5	1.95	UPS	
AL1413-1005	14.5	13.12	15.42	10.18	5.24	17.5	16.12	17.11	16.5	2.79	UPS	Y
AL1413-2105	14.5	13.12	25.99	20.75	5.24	17.5	16.12	27.69	19.7	4.52	UPS	
AL1414-0705	14	14.12	11.93	6.75	5.18	17	17.12	13.61	14.5	2.29	UPS	
AL1616-0404	15.75	15.88	7.74	3.87	3.87	18.75	18.88	9.43	12.6	1.93	UPS	
AL1616-0405	15.75	15.88	8.99	3.87	5.12	18.75	18.88	10.69	13.7	2.18	UPS	
AL1616-0412AC/HL	15.75	15.88	16.05	3.87	12.18	18.75	18.88	17.69	17.9	3.62	UPS	
AL1616-0504	15.75	15.88	9.29	5.42	3.87	18.75	18.88	10.98	13.9	2.24	UPS	
AL1616-0505	15.75	15.88	10.54	5.42	5.12	18.75	18.88	12.19	14.5	2.49	UPS	
AL1616-0512AC/HL	15.75	15.88	17.6	5.42	12.18	18.75	18.88	19.19	18.5	3.93	UPS	
AL1616-1004	15.75	15.88	13.74	9.87	3.87	18.75	18.88	15.43	17.2	3.16	UPS	
AL1616-1005	15.75	15.88	14.99	9.87	5.12	18.75	18.88	16.69	17.6	3.41	UPS	
AL1616-1012AC/HL	15.75	15.88	22.05	9.87	12.18	18.75	18.88	23.69	22.4	4.85	UPS	
AL1616-1204	15.75	15.88	15.2	11.33	3.87	18.75	18.88	16.89	17.9	3.46	UPS	
AL1616-1205	15.75	15.88	16.45	11.33	5.12	18.75	18.88	18.14	18.6	3.71	UPS	
AL1616-1212AC/HL	15.75	15.88	23.51	11.33	12.18	18.75	18.88	25.19	23.2	5.16	UPS	
AL1616-1804	15.75	15.88	22.12	18.25	3.87	18.75	18.88	23.81	21.7	4.87	UPS	
AL1616-1805	15.75	15.88	23.37	18.25	5.12	18.75	18.88	25.07	22.0	5.13	UPS	
AL1616-1812AC/HL	15.75	15.88	30.43	18.25	12.18	18.75	18.88	32.12	26.9	6.58	UPS	
CL1713-0403	16.88	12.88	7.38	4.38	3	19	14.88	9.07	6.8	1.48	UPS	Y
CL1713-0408AC/HL	16.88	12.88	12	4.38	7.62	19	14.88	13.69	11.0	2.23	UPS	
CL1715-0904	17.12	14.87	14.02	9.87	4.15	19.25	16.87	15.69	12.6	2.94	UPS	
AL1717-0909AC/HL	17	17	17.86	8.86	9	20	20	19.55	18.8	4.52	UPS	
AL1814-0504	18	14.62	9.11	5.18	3.93	21	17.62	10.8	14.4	2.31	UPS	Y
AL1814-0505	18	14.62	10.38	5.18	5.2	21	17.62	12.05	15.6	2.58	UPS	
AL1814-1504	18	14.62	18.86	14.93	3.93	21	17.62	20.55	19.3	4.4	UPS	Y
AL1814-1505	18	14.62	20.13	14.93	5.2	21	17.62	21.82	20.5	4.67	UPS	
AL1814-2204	18	14.62	26.11	22.18	3.93	21	17.62	27.8	23.4	5.95	UPS	
AL1814-2205	18	14.62	27.38	22.18	5.2	21	17.62	29.07	24.6	6.22	UPS	
AL1818-0603HL	17.93	17.93	9.55	6.37	3.18	20.93	20.93	11.25	16.5	2.85	UPS	
CL2012-0902	20.18	11.75	11.66	9.16	2.5	22.3	13.75	13.35	12.2	2.36	UPS	
AL2013-0403	19.87	13	7	4	3	22.87	16	8.69	13.5	1.84	UPS	Y
AL2013-0903	19.87	13	12.25	9.25	3	22.87	16	13.94	16.8	2.95	UPS	Y
AL2015-0503HL	19.75	15.62	7.81	5.06	2.75	22.75	18.62	9.49	16.5	2.32	UPS	
AL2015-1503HL	19.75	15.62	17.95	15.2	2.75	22.75	18.62	19.64	24.1	4.81	UPS	
AL2017-0706	20.24	17.15	13	7	6	23.24	20.15	14.82	19.1	4.01	UPS	
AL2020-1305	19.87	19.87	18.11	12.93	5.18	22.87	22.87	19.8	25.7	5.99	UPS	Y
AL2216-0503	22	16	8.25	5.25	3	25	19	10.19	17.5	2.8	UPS	
AL2216-0505	22	16	10.5	5.25	5.25	25	19	12.19	18.5	3.35	UPS	
AL2216-0803	22	16	11.43	8.43	3	25	19	13.37	19.0	3.67	UPS	
AL2216-0805	22	16	13.68	8.43	5.25	25	19	15.37	20.0	4.22	UPS	Y
AL2216-1203	22	16	15.25	12.25	3	25	19	17.19	21.1	4.72	UPS	
AL2216-1205	22	16	17.5	12.25	5.25	25	19	19.19	22.1	5.27	UPS	Y

Note: CL style cases are not airtight certifiable.

AL2221-0402	22.5	21.06	6.15	3.9	2.25	25.5	24.06	8.31	21.2	2.95	UPS	
AL2221-0404	22.5	21.06	7.65	3.9	3.75	25.5	24.06	9.8	22.4	3.47	UPS	
AL2221-0405	22.5	21.06	8.9	3.9	5	25.5	24.06	11	23.3	3.9	UPS	
AL2221-0414AC/HL	22.5	21.06	18.15	3.9	14.25	25.5	24.06	20.2	30.1	7.17	UPS	Y
AL2221-0419DE	22.5	21.06	23.62	4	19.62	25.5	24.06	25.31	32.0	8.98	UPS	
AL2221-0602	22.5	21.06	8.75	6.5	2.25	25.5	24.06	10.44	22.8	3.7	UPS	
AL2221-0604	22.5	21.06	10.25	6.5	3.75	25.5	24.06	11.94	24.0	4.23	UPS	Y
AL2221-0605	22.5	21.06	11.5	6.5	5	25.5	24.06	13.13	24.8	4.66	UPS	Y
AL2221-0614AC/HL	22.5	21.06	20.75	6.5	14.25	25.5	24.06	22.37	29.4	7.94	UPS	
AL2221-1202	22.5	21.06	14.31	12.06	2.25	25.5	24.06	15.99	25.0	5.67	UPS	
AL2221-1204	22.5	21.06	15.81	12.06	3.75	25.5	24.06	17.49	26.2	6.2	UPS	Y
AL2221-1205	22.5	21.06	17.06	12.06	5	25.5	24.06	18.75	27.3	6.65	UPS	Y
AL2221-1214AC	22.5	21.06	26.31	12.06	14.25	25.5	24.06	27.99	31.8	9.93	FRT	
AL2221-1802	22.5	21.06	20.87	18.62	2.25	25.5	24.06	22.56	32.0	8	UPS	
AL2221-1804	22.5	21.06	22.37	18.62	3.75	25.5	24.06	24.06	33.2	8.54	UPS	Y
AL2221-1805	22.5	21.06	23.62	18.62	5	25.5	24.06	25.31	34.1	8.98	UPS	
AL2221-1814AC	22.5	21.06	32.87	18.62	14.25	25.5	24.06	34.57	38.6	12.27	FRT	
AL2221-2802	22.5	21.06	30.75	28.5	2.25	25.5	24.06	32.07	38.6	11.38	FRT	
AL2221-2804	22.5	21.06	31.87	28.12	3.75	25.5	24.06	33.57	39.8	11.91	FRT	
AL2221-2805	22.5	21.06	33.12	28.12	5	25.5	24.06	34.81	40.6	12.35	FRT	
AL2221-2814AC	22.5	21.06	42.37	28.12	14.25	25.5	24.06	44.07	39.1	15.64	FRT	
AL2313-1004	23	13	15.48	10.85	4.63	26	16	17.67	20.2	4.25	UPS	
AL2315-2507	23.25	15.25	32.49	25.37	7.12	26.25	18.25	35.7	32.2	9.89	UPS	
AL2316-0604	23.5	15.87	11.24	6.37	4.87	26.5	18.87	13.43	19.8	3.88	UPS	
AL2318-1205	22.87	17.93	17.45	12.25	5.2	25.87	20.93	19.39	25.5	6.07	UPS	
AL2318-1705	22.87	17.93	22.3	17.18	5.12	25.87	20.93	24.24	29.1	7.59	UPS	
CL2406-0303	24.75	6.62	6.12	3.06	3.06	26.87	8.62	7.81	6.6	1.04	UPS	
CL2407-0404	24.75	7.5	6.86	3.5	3.36	26.87	9.5	8.55	8.8	1.26	UPS	
AL2412-1505	24.18	12	20.08	14.9	5.18	27.18	15	22.27	22.0	5.25	UPS	
AL2414-0509AC/HL	24.62	14.57	14.52	5.18	9.34	27.62	17.57	16.71	23.6	4.69	UPS	
AL2415-0215AC/HL	24.25	15.25	16.77	1.93	14.84	27.25	18.25	18.96	25.7	5.45	UPS	
AL2417-1505	24	17	20.02	14.84	5.18	27	20	21.96	27.3	6.86	UPS	
AL2423-0503	24.75	23.25	7.99	4.68	3.31	27.75	26.25	11.56	23.3	4.87	UPS	
AL2423-0504	24.75	23.25	8.58	4.68	3.9	27.75	26.25	12.15	24.0	5.12	UPS	
AL2423-0506	24.75	23.25	10.93	4.68	6.25	27.75	26.25	13.04	25.0	5.49	UPS	
AL2423-0511AC/HL	24.75	23.25	15.93	4.68	11.25	27.75	26.25	19.55	30.2	8.24	UPS	
AL2423-0903	24.75	23.25	12.06	8.75	3.31	27.75	26.25	15.2	24.9	6.4	UPS	
AL2423-0904	24.75	23.25	12.65	8.75	3.9	27.75	26.25	15.79	25.6	6.65	UPS	Y
AL2423-0906	24.75	23.25	15	8.75	6.25	27.75	26.25	18.19	28.0	7.66	UPS	
AL2423-0911AC/HL	24.75	23.25	20	8.75	11.25	27.75	26.25	23.19	31.8	9.77	UPS	
AL2423-1103	24.75	23.25	14.06	10.75	3.31	27.75	26.25	16.75	27.3	7.06	UPS	
AL2423-1104	24.75	23.25	14.65	10.75	3.9	27.75	26.25	17.34	28.0	7.3	UPS	
AL2423-1106	24.75	23.25	17	10.75	6.25	27.75	26.25	19.69	29.5	8.3	UPS	
AL2423-1111AC/HL	24.75	23.25	22	10.75	11.25	27.75	26.25	24.69	32.3	10.4	UPS	
AL2617-0604	26	17.25	9.89	6.14	3.75	29	20.25	12.08	22.5	4.1	UPS	Y
AL2617-1104	26	17.25	14.75	11	3.75	29	20.25	16.94	26.2	5.75	UPS	Y
AL2624-0503	26	24.12	8.75	5.37	3.37	29	27	12	24.0	5.43	UPS	
AL2624-0505	26	24.12	10.43	5.37	5.06	29	27	13.89	28.0	6.29	UPS	
AL2624-0513AC	26	24.12	18.49	5.37	13.12	29	27	21.94	32.0	10.97	UPS	
AL2624-0524AC	26	24.12	29.39	5.37	24	29	27	32.66	42.0	21.43	FRT	
AL2624-0803	26	24.12	11.43	8.06	3.37	29	27	14.5	28.0	6.57	UPS	
AL2624-0805	26.06	24	13.12	8.06	5.06	29.06	27	16.81	31.3	7.63	UPS	Y
AL2624-0813AC/HL	26.06	24	21.18	8.06	13.12	29.06	27	24.87	36.2	11.29	FRT	
AL2624-0824AC/HL	26.06	24	32.06	8.06	24	29.06	27	35.75	45.4	16.23	FRT	
AL2624-1203	26	24.12	15.24	11.87	3.37	29	27	18.46	31.0	8.36	UPS	
AL2624-1205	26.06	24	16.93	11.87	5.06	29.06	27	20.69	34.1	9.39	UPS	Y
AL2624-1213AC/HL	26.06	24	24.99	11.87	13.12	29.06	27	28.69	38.2	13.02	FRT	
AL2624-1224AC/HL	26.06	24	35.87	11.87	24	29.06	27	39.57	48.2	17.96	FRT	
AL2624-1803	26	24.12	21.18	17.81	3.37	29	27	25.12	35.0	11.38	FRT	
AL2624-1805	26.06	24	22.87	17.81	5.06	29.06	27	26.62	38.5	12.08	FRT	Y
AL2624-1813AC/HL	26.06	24	30.93	17.81	13.12	29.06	27	34.62	43.5	15.71	FRT	
AL2624-1824AC	26.06	24	41.81	17.81	24	29.06	27	45.5	52.4	20.65	FRT	
AL2624-2703	26	24.12	30.04	26.67	3.37	29	27	34.37	41.0	15.57	FRT	

Note: CL style cases are not airtight certifiable.

AL2624-2705	26.06	24	31.73	26.67	5.06	29.06	27	35.48	44.5	16.11	FRT	
AL2624-2713AC	26.06	24	39.79	26.67	13.12	29.06	27	43.48	49.4	19.74	FRT	
AL2624-2724AC	26.06	24	50.67	26.67	24	29.06	27	54.73	58.3	24.85	FRT	
AL2727-0404	27	27	7.49	3.62	3.87	30	30	9.69	30.5	5.04	UPS	
AL2727-0405	27	27	8.62	3.62	5	30	30	10.81	32.0	5.63	UPS	
AL2727-0409AC/HL	27	27	12.87	3.62	9.25	30	30	15.06	34.5	7.84	UPS	
AL2727-0414AC/HL	27	27	17.87	3.62	14.25	30	30	20.06	38.5	10.44	FRT	
AL2727-0504	27	27	8.87	5	3.87	30	30	11.06	30.6	5.76	UPS	
AL2727-0505	27	27	10	5	5	30	30	12.19	32.0	6.34	UPS	
AL2727-0509AC/HL	27	27	14.25	5	9.25	30	30	16.44	34.6	8.56	UPS	
AL2727-0514AC/HL	27	27	19.25	5	14.25	30	30	21.44	38.7	11.16	FRT	
AL2727-0904	27	27	12.67	8.8	3.87	30	30	14.86	33.0	7.73	UPS	
AL2727-0905	27	27	13.8	8.8	5	30	30	15.99	34.5	8.32	UPS	
AL2727-0909AC/HL	27	27	18.05	8.8	9.25	30	30	20.24	37.0	10.54	FRT	
AL2727-0914AC/HL	27	27	23.05	8.8	14.25	30	30	25.24	41.1	13.14	FRT	
AL2727-1404	27	27	17.99	14.12	3.87	30	30	20.18	37.1	10.51	FRT	
AL2727-1405	27	27	19.12	14.12	5	30	30	21.31	38.6	11.09	FRT	Y
AL2727-1409AC	27	27	23.37	14.12	9.25	30	30	25.56	41.1	13.31	FRT	
AL2727-1414AC/HL	27	27	28.37	14.12	14.25	30	30	30.56	45.2	15.91	FRT	
AL2727-2304	27	27	26.62	22.75	3.87	30	30	28.79	43.2	14.99	FRT	
AL2727-2305	27	27	27.75	22.75	5	30	30	29.94	43.3	15.59	FRT	
AL2727-2309AC	27	27	32	22.75	9.25	30	30	34.19	49.0	17.8	FRT	
AL2727-2314AC	27	27	37	22.75	14.25	30	30	39.19	53.0	20.41	FRT	
AL2727-2704	27	27	30.84	26.97	3.87	30	30	33.03	47.6	17.2	FRT	
AL2727-2705	27	27	31.97	26.97	5	30	30	34.19	49.0	17.8	FRT	
AL2727-2709AC	27	27	36.22	26.97	9.25	30	30	38.41	51.6	20	FRT	
AL2727-2714AC	27	27	41.22	26.97	14.25	30	30	43.41	55.5	22.6	FRT	
AL2818-0805	28.12	18.12	13.24	8.12	5.12	31.12	21.12	15.43	26.5	5.86	UPS	
AL2825-1205	28.5	25	17.74	12.62	5.12	31.5	28	19.43	37.4	9.91	UPS	
AL2825-1212AC/HL	28.5	25	24.92	12.62	12.3	31.5	28	26.43	44.0	13.49	FRT	
AL2825-1605	28.5	25	21.62	16.5	5.12	31.5	28	23.86	39.0	12.17	FRT	
AL2825-1612AC/HL	28.5	25	28.8	16.5	12.3	31.5	28	30.99	45.6	15.81	FRT	
AL2909-0605	28.5	8.5	11.25	6	5.25	31.5	11.5	12.94	15.9	2.71	UPS	
AL2914-0905	28.87	14.5	14.05	8.87	5.18	31.87	17.5	16	23.1	5.16	UPS	Y
AL2914-0905-W	28.87	14.5	14.05	8.87	5.18	31.87	17.5	16	23.1	3.74	UPS	
AL2914-0906	28.87	14.5	15.05	8.87	6.18	31.87	17.5	17	24.5	5.48	UPS	
AL2914-0906-W	28.87	14.5	15.05	8.87	6.18	31.87	17.5	17	24.5	4.28	UPS	
AL2924-0904	29.24	23.87	13.31	9.34	3.97	32.24	26.87	15.5	30.3	7.77	UPS	
AL3018-0402	29.75	17.87	7.12	4.5	2.62	32.75	20.87	8.94	20.4	3.53	UPS	
AL3018-0403	29.75	17.87	8.12	4.5	3.62	32.75	20.87	9.94	21.2	3.93	UPS	
AL3018-0405	29.75	17.87	9.75	4.5	5.25	32.75	20.87	11.56	21.5	4.57	UPS	
AL3018-0409AC/HL	29.75	17.87	13.75	4.5	9.25	32.75	20.87	15.56	27.7	6.15	UPS	
AL3018-0802	29.75	17.87	10.8	8.18	2.62	32.75	20.87	12.61	24.9	4.98	UPS	
AL3018-0803	29.75	17.87	11.8	8.18	3.62	32.75	20.87	13.61	25.7	5.38	UPS	
AL3018-0805	29.75	17.87	13.43	8.18	5.25	32.75	20.87	15.24	26.0	6.02	UPS	Y
AL3018-0809AC/HL	29.75	17.87	17.43	8.18	9.25	32.75	20.87	19.24	32.2	7.61	UPS	
AL3018-0902	29.75	17.87	11.99	9.37	2.62	32.75	20.87	13.81	26.8	5.46	UPS	
AL3018-0903	29.75	17.87	12.99	9.37	3.62	32.75	20.87	14.81	27.6	5.85	UPS	
AL3018-0905	29.75	17.87	14.62	9.37	5.25	32.75	20.87	16.43	27.8	6.49	UPS	Y
AL3018-0909AC/HL	29.75	17.87	18.62	9.37	9.25	32.75	20.87	20.43	33.9	8.08	UPS	
AL3018-1502	29.75	17.87	17.49	14.87	2.62	32.75	20.87	19.31	29.7	7.63	UPS	
AL3018-1503	29.75	17.87	18.49	14.87	3.62	32.75	20.87	20.31	30.5	8.03	UPS	
AL3018-1505	29.75	17.87	20.12	14.87	5.25	32.75	20.87	21.93	31.8	8.67	UPS	Y
AL3018-1509AC	29.75	17.87	24.12	14.87	9.25	32.75	20.87	25.93	37.0	10.25	FRT	
AL3018-3602	29.75	17.87	38.87	36.25	2.62	32.75	20.87	40.68	43.0	16.09	FRT	
AL3018-3603	29.75	17.87	39.87	36.25	3.62	32.75	20.87	41.68	43.8	16.48	FRT	
AL3018-3605	29.75	17.87	41.5	36.25	5.25	32.75	20.87	43.31	44.3	17.13	FRT	
AL3018-3609AC	29.75	17.87	45.5	36.25	9.25	32.75	20.87	47.31	50.3	18.71	FRT	
AL3019-0709AC/HL	30.75	19.62	16.98	7.64	9.34	33.75	22.62	19.67	40.6	8.69	UPS	
AL3022-0705	30	22.18	12.18	7	5.18	33	25.18	13.97	36.8	6.71	UPS	Y

Note: CL style cases are not airtight certifiable.

AL3124-1204	31.43	24.4	15.68	11.87	3.81	34.43	27.4	19.37	30.0	10.57	FRT	
AL3124-1604	31.43	24.4	19.68	15.87	3.81	34.43	27.4	23.37	39.6	12.75	FRT	
AL3226-1404FT	32.5	26.62	18.36	14.18	4.18	35.5	29.62	24.31	52.4	14.79	FRT	
AL3226-1413FT/AC/HL	32.5	26.62	27.08	14.18	12.9	35.5	29.62	32.93	60.9	20.03	FRT	
AL3226-1604	32.5	26.62	20.3	16.12	4.18	35.5	29.62	24.49	52.6	14.9	FRT	
AL3226-1613AC/HL	32.5	26.62	29.02	16.12	12.9	35.5	29.62	33.21	62.5	20.2	FRT	
AL3232-1412AC	32.43	32.43	26.75	14.5	12.25	35.43	35.43	30.44	68.4	22.11	FRT	
AL3418-0505	34.18	18	10.5	5.25	5.25	37.18	21	12.44	27.0	5.62	UPS	
AL3418-1005	34.18	18	15.37	10.12	5.25	37.18	21	17.31	30.6	7.82	UPS	Y
AL3424-0804	34.25	24.18	12.3	8	4.3	37.25	27.18	14.49	34.3	8.48	UPS	
AL3424-0805	34.25	24.18	13.25	8	5.25	37.25	27.18	15.44	36.8	9.04	UPS	Y
AL3424-1204	34.25	24.18	16.3	12	4.3	37.25	27.18	18.49	40.0	10.83	UPS	
AL3424-1205	34.25	24.18	17.25	12	5.25	37.25	27.18	19.44	42.5	11.39	FRT	Y
AL3428-0604	34	27.5	9.88	6.12	3.75	37	30.5	12.19	38.9	7.96	FRT	
AL3428-0608AC	34	27.5	14.31	6.12	8.19	37	30.5	16.62	42.5	12.47	FRT	
AL3428-0614AC/HL	34	27.5	20.37	6.12	14.35	37	30.5	22.68	47.5	19.01	FRT	
AL3428-0625AC/HL	34	27.5	30.92	6.12	24.8	37	30.5	33.23	57.0	33.43	FRT	
AL3428-1004	34	27.5	13.56	9.81	3.75	37	30.5	15.75	48.6	10.28	FRT	
AL3428-1008AC	34	27.5	18	9.81	8.19	37	30.5	20.19	50.6	13.18	FRT	
AL3428-1014AC/HL	34	27.5	24.16	9.81	14.35	37	30.5	26.35	61.5	17.2	FRT	
AL3428-1025AC/HL	34	27.5	34.61	9.81	24.8	37	30.5	36.74	64.1	23.99	FRT	
AL3434-1207	34.38	34.38	19.75	12.5	7.25	37.38	37.38	22.43	55.2	18.13	FRT	
AL3434-1228AC	34.38	34.38	41	12.5	28.5	37.38	37.38	44.5	60.0	35.98	FRT	
AL3434-2807	34.38	34.38	34.93	27.68	7.25	37.38	37.38	38.43	66.8	31.07	FRT	
AL3434-2828AC	34.38	34.38	56.24	27.68	28.5	37.38	37.38	59.43	72.1	48.05	FRT	
AL3535-1605	35.5	35.5	20.87	15.75	5.12	38.5	38.5	24.19	68.0	20.74	FRT	
AL3620-0504	35.87	19.87	9	5	4	38.87	22.87	10.8	23.4	5.55	FRT	
AL3620-0505	35.87	19.87	10.12	5	5.12	38.87	22.87	12.3	25.6	6.32	FRT	
AL3620-0510	35.87	19.87	15.15	5	10.15	38.87	22.87	17	32.4	7.29	FRT	
AL3620-1704	35.87	19.87	21.12	17.12	4	38.87	22.87	23.31	41.6	11.99	FRT	
AL3620-1705	35.87	19.87	22.24	17.12	5.12	38.87	22.87	24.43	43.3	12.56	FRT	
AL3620-1710AC	35.87	19.87	27.27	17.12	10.15	38.87	22.87	29.46	50.4	15.15	FRT	
AL3627-0805	35.87	27	12.95	7.83	5.12	38.87	30	16.64	43.6	11.22	FRT	
AL3627-1505	35.87	27	19.99	14.87	5.12	38.87	30	23.69	50.3	15.98	FRT	
AL3633-0405AC/HL	36.31	33.31	10.15	4.5	5.65	39.31	36.31	11.84	43.0	9.77	FRT	
AL3834-1605FT	38.12	34.12	21.15	15.75	5.4	41.12	37.12	26.97	71.0	23.82	FRT	
AL3834-1617FT/AC/HL	38.12	34.12	33	15.75	17.25	41.12	37.12	38.82	86.4	34.29	FRT	
AL3834-1628FT/AC	38.12	34.12	44.06	15.75	28.31	41.12	37.12	49.88	118.0	44.05	FRT	
AL4018-1003	40	18	13.19	10.19	3	43	21	14.75	36.0	7.7	UPS	
AL4021-0804	41	20.87	11	7.2	3.8	44	23.87	13.69	37.0	8.32	UPS	
AL4021-0808AC/HL	41	20.87	14.91	7.2	7.71	44	23.87	17.6	41.0	10.69	UPS	
AL4024-1305	39.87	24.31	18	12.75	5.25	42.87	27.31	20.19	50.2	13.67	FRT	
AL4028-1608	39.75	27.75	23.65	15.47	8.18	42.75	30.75	27.34	70.0	20.79	FRT	
AL4028-2105	39.75	27.75	25.55	20.37	5.18	42.75	30.75	29.24	80.0	22.24	FRT	

Note: CL style cases are not airtight certifiable.

AL4141-0808AC	41	41	16.31	8.19	8.12	44	44	18	84.1	20.16	FRT	
AL4532-0515FT/AC/HL	45	32	20.12	5.25	14.87	48	35	25	81.2	24.3	FRT	
AL4532-1606	45	32	21.5	15.5	6	48	35	26	82	43.18	FRT	
AL4532-1615AC/HL	45	32	30.37	15.5	14.87	48	35	35.06	97.2	34.08	FRT	
AL4714-0403	46.87	14.06	7	4	3	49.87	17.06	8.69	26.4	4.27	UPS	
AL4714-0405	46.87	14.06	9.25	4	5.25	49.87	17.06	10.94	27.1	5.38	UPS	
AL4714-0503	46.87	14.06	8.25	5.25	3	49.87	17.06	9.94	27.5	4.89	UPS	
AL4714-0505	46.87	14.06	10.5	5.25	5.25	49.87	17.06	12.19	29.5	6	UPS	
AL4824-1404	48.62	24.62	17.67	13.8	3.87	51.62	27.62	21.36	57.9	17.62	FRT	
DL4824-1404AC	48	24	17.74	13.87	3.87	51.5	27.5	21.43	60.0	17.56	FRT	
AL4824-1408	48.62	24.62	21.92	13.8	8.12	51.62	27.62	25.61	64.5	21.13	FRT	
DL4824-1408AC	48	24	21.99	13.87	8.12	51.5	27.5	25.69	64.5	21.05	FRT	
AL4824-1604	48.62	24.62	19.67	15.8	3.87	51.62	27.62	23.36	57.3	19.27	FRT	
AL4824-1608	48.62	24.62	23.92	15.8	8.12	51.62	27.62	27.61	63.8	22.78	FRT	
AL4915-1105	49	14.81	16.25	11	5.25	52	17.81	18.44	40.0	9.88	UPS	
AL5040-1204	50.12	40	15.87	12.12	3.75	53.12	43	19.06	90.0	25.19	FRT	
AL5040-1212AC	50.12	40	23.99	12.12	11.87	53.12	43	27.19	103.0	35.94	FRT	
AL5135-0718FT	51.01	35.04	25.22	6.81	18.41	54.01	38.04	32	103.5	38.04	FRT	
AL5240-1138AC/HL	52	40	49	11	38	55	43	52.69	143.1	72.11	FRT	
AL5424-2306FT/AC	53.87	23.93	28.87	22.75	6.12	56.87	26.93	33.75	104.3	29.91	FRT	
AL5430-3006AC	53.88	29.81	35.93	29.87	6.06	56.88	32.81	39.62	114.0	42.78	FRT	
AL5545-2305AC	55.5	45.5	27.92	22.8	5.12	58.5	48.5	31.61	145.3	51.9	FRT	
AL5545-2323AC	55.5	45.5	45.36	22.8	22.56	58.5	48.5	49.05	179.0	80.53	FRT	
AL5616-0604	56.43	16.25	10.07	5.87	4.2	59.43	19.25	12.76	42.4	8.44	FRT	
AL5733-0916FT/AC	56.87	32.75	25.06	9.06	16	59.87	35.75	35.63	123.4	44.13	FRT	
AL5824-1119AC	58.62	24.12	30.18	11	19.18	61.62	27.12	33.87	76.5	32.75	FRT	
AL5834-0128FT/AC/HL	58.31	34.25	29.55	1.62	27.93	61.31	37.25	32.87	126.0	43.44	FRT	
AL5834-0728FT/AC/HL	58.31	34.25	35.55	7.62	27.93	61.31	37.25	38.87	138.9	51.37	FRT	
AL5910-0604	59.06	9.91	10.3	6.18	4.12	62.06	12.91	12.25	31.6	5.67	UPS	
BL6752-0805AC/HL	67.43	51.87	13.16	8.03	5.13	70.43	54.87	18.66	145.0	41.73	FRT	
AL6815-1005	68	15.25	15.32	10.12	5.2	71	18.25	17.13	58.5	12.84	FRT	
AL6912-1003	69.37	12	14.09	10.49	3.6	72.37	15	16.28	42.0	10.22	FRT	
AL7819-0805	78.87	19.43	13.28	8.25	5.03	80.75	22.43	14.97	60.8	15.69	FRT	
AL7819-0808	78.87	19.43	16.28	8.25	8.03	80.75	22.43	17.97	61.8	18.83	FRT	
BL8024-3009AC	80.43	24.43	39.24	30.12	9.12	84.43	28.43	43.81	159.5	60.85	FRT	
BL8232-0705AC	81.87	31.93	12.37	7.25	5.12	85.87	35.93	16.81	122.3	30.01	FRT	
BL8232-0905AC	81.87	31.93	14.12	9	5.12	85.87	35.93	18.56	128.0	33.13	FRT	
BL8240-1623FT/AC	81.75	40	38.87	16.12	22.75	85.75	44	48.06	229.2	104.93	FRT	
BL9024-1113FT/AC	91	24.19	24.94	11.6	13.34	95	28.19	33.26	147.2	51.54	FRT	
BL9836-1105AC	97.8	35.9	16.1	11	5.1	101.8	39.9	20.79	190.0	48.86	FRT	
BL9836-3705AC	97.8	35.9	42.1	37	5.1	101.8	39.9	46.79	242.0	109.98	FRT	
BL11433-0527AC	114	33	32.62	5.38	27.25	118	37	34.31	210.0	86.68	FRT	

Note: CL style cases are not airtight certifiable.

Appendix 2: Color Options

Case Colors:

Hardigg standard case color (except the ProRack) is Gray 133 (FED-STD-595, #26270). The FED-STD and Pantone chip numbers listed are approximate and may vary slightly over multiple production runs. For a small additional per-case charge (for case quantities below 10), the following colors are available:

Hardigg # (Reference #)

- 133 Gray (Std) FED-STD 26270
- 032 Black FED-STD 27040
- 132 White FED-STD 27925
- 137 Olive Drab FED-STD 34096
- 138 Green [Forest] FED-STD 24052
- 101 Blue [Dark] FED-STD 25052
- 135 Blue (Light) Pantone 292U
- 134 Orange FED-STD 12197
- 131 Yellow (Dark) FED-STD 23538
- 136 Yellow (Light) Pantone 012U
- 250 Tan [Sand] FED-STD 20372
- 130 Red FED-STD 21105
- 197 Maroon Pantone 202U
- 129 Purple Pantone 245U
- Custom Colors Available