

# TRANSIT CASES



 ZARGES

# Transit Case Testing



ZARGES cases meet or exceed the following standards:

## MIL-STD-810:

- Method 500.5, Procedure I – Low Pressure (Altitude)
- Method 501.4 High Temperature
- Method 502.4 Low Temperature
- Method 505.4 Solar radiation
- Method 506.4, Procedure II - Water resistance, splash proof
- Method 506.4, Procedure III - Water resistance, drip proof
- Method 506.5, Procedure I – Rain and Blowing Rain
- Method 507.4 Humidity
- Method 508.5 Fungus
- Method 509.5 Salt Fog
- Method 510.4 Dust exposure
- Method 510.5, Procedure I – Blowing Dust
- Method 516.4, Procedure IV – Transit drop 1.2 m

## ATA 300

# Hazardous Materials Transport



## UN Certification

- » UN certification for Hazardous Materials is available for several different ZARGES cases, including the K470, K473, K475, K424 XC and K410
- » ZARGES, Inc. provides testing at our Charlotte facility for a fee

## For each certification

- » Case is first verified to be an authentic ZARGES product and the correct product requested by the customer
- » The case then undergoes an ultrasonic inspection to ensure that the thickness of all case walls is within tolerance for the order's specification
- » Once the case passes this inspection, it is labeled and delivered to the customer with appropriate documentation

# Lithium Ion Batteries

ZARGES offers a variety of aluminum cases appropriate for the shipping and storage of Lithium and Lithium Ion batteries (Li-Ion). ZARGES is a global supplier of storage and transport equipment, used in a multitude of industries and companies worldwide. Our lightweight aluminum cases are appropriate for safe and secure storage and transport of sensitive items and hazardous materials.

## Current Customer Use Cases

- » Drone and UAV storage and transport
- » Electric bike shipping and testing
- » Transporting medical testing equipment
- » Storing and transporting dive gear and underwater craft
- » Long-term battery storage
- » Domestic and international shipping



# K470 Universal Case

The ZARGES K470 aluminum shipping and storage case provides perfect protection, even under the most extreme conditions. The K470 is ATA 300 approved, lightweight, rugged, and dust and water resistant. Its durable construction provides optimal protection for any contents and is available in 26 standard sizes.

- » Cast-aluminum stacking corners
- » High level of stability due to three fully-welded aluminum profile frames
- » Riveted joints, beading all round and corner beads for additional dimensional stability
- » IP 54 standard, IP 65 class seal available as accessory
- » Standard sizes with IP 65 class or IP 67 class protection against water jets available
- » Integrated snap fasteners: may be secured with a plug lock, lead seals, spring anti-opening feature or a padlock (max. shackle thickness .25")
- » Constructed of extra strong 5005 alloy aluminum sheeting
- » Lid with stainless steel hinge, two lid straps and continuous polyurethane seal
- » Ergonomic heavy-duty sprung drop handles
- » Sized to fit DIN 15141 pallet



- » **Requirement:** Safely sustain nuclear command, control and communications terminals for the Air Force's nuclear bomber mission.
- » **ZARGES Solution:** ZARGES delivered a rugged storage case that provides security and redundancy to this vital system.
- » **Met or passed:**
  - » MIL – 810 Shock/Vibe, Wind blown rain, Salt/Fog
  - » MIL – 461 EMI
  - » MIL – 285 EMP

SKU	OVERALL DIMENSIONS* (L x W x H) (IN)	CLEAR INTERNAL DIMENSIONS** (IN)	WEIGHT (LBS)
40835	15.16 x 11.22 x 7.09	12.6 x 8.7 x 5.9	6
40677	15.16 x 11.22 x 13.50	12.6 x 8.7 x 12.2	6.8
40810	23.03 x 15.16 x 7.09	20.5 x 12.6 x 5.9	9.3
40568	23.03 x 15.16 x 9.84	20.5 x 12.6 x 8.7	10.5
40678	23.03 x 15.16 x 13.39	20.5 x 12.6 x 12.2	11
40564	23.03 x 15.16 x 16.14	20.5 x 12.6 x 15	11.6
40849	23.03 x 23.03 x 9.84	20.5 x 20.5 x 8.7	12.3
40859	23.03 x 23.03 x 16.14	20.5 x 20.5 x 15	14.5
40836	23.03 x 23.03 x 24.02	20.5 x 20.5 x 22.8	17.1
40837	25.00 x 18.31 x 18.90	22.4 x 15.7 x 17.7	14.3
40839	25.00 x 23.43 x 18.50	22.4 x 20.9 x 17.3	16.5
40840	27.36 x 25.00 x 14.96	24.8 x 22.4 x 13.8	17.1
40841	28.54 x 19.49 x 16.14	26 x 16.9 x 15	15.6
40842	28.54 x 26.57 x 14.57	26 x 24 x 13.4	18
40843	28.54 x 26.57 x 18.11	26 x 24 x 16.9	19.1
40565	30.91 x 23.03 x 16.14	28.3 x 20.5 x 15	22
40566	30.91 x 23.03 x 24.02	28.3 x 20.5 x 22.8	26.4
40844	32.09 x 20.28 x 21.65	29.5 x 17.7 x 20.5	23.5
40845	36.81 x 20.28 x 16.93	34.3 x 17.7 x 15.7	24.6
40846	36.81 x 26.57 x 18.90	34.3 x 24 x 17.7	29.9
40567	38.78 x 19.09 x 16.14	36.2 x 16.5 x 15	24
40847	46.57 x 15.28 x 6.96	44.1 x 12.6 x 5.9	19.2
40580	46.65 x 30.91 x 20.08	44.1 x 28.3 x 18.9	44.1
40848	54.53 x 17.12 x 9.84	51.9 x 14.5 x 8.7	25.1
40875	62.40 x 23.03 x 19.49	59.8 x 20.5 x 18.3	55.1
40876	66.34 x 30.91 x 27.56	63.8 x 28.3 x 26.4	66.1

\* The case base is smaller than the case lid. For applications where precision is required please inquire with ZARGES.

\*\* Clear Internal Dimensions refers to the size of the case opening.

**IGBC Certified Grizzly Bear-Resistant sizes**

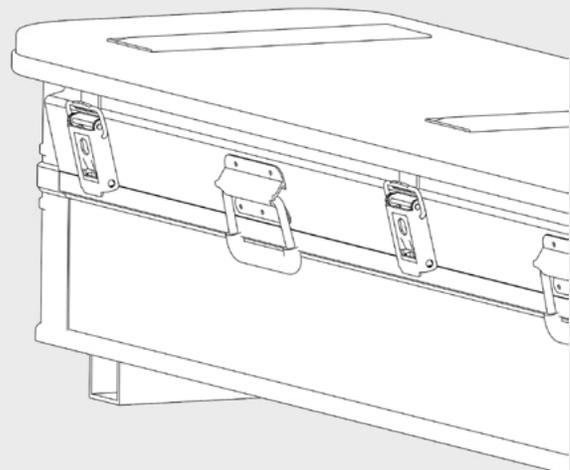
# K473 Heavy Duty Container

The ZARGES K473 Heavy Duty Aluminum Container is the unrivaled choice for large, dense payloads. It features a rugged design with sturdy welded frames made from full profile sections and positively bonded to the exterior. The corners and sides are beaded for additional dimensional stability. The removable lid has an integral seal with IP 65 protection. A version with a hinged lid with integral seal and two straps, providing IP 54 rating, is also available. Each unit is built to customer specifications: size, HazMat certification, foam linings, accessories, fittings and finishes are all negotiable. For the ultimate protection of big, heavy goods, the ZARGES K473 is the optimal solution.

- » Based on the classic ZARGES K470 design
- » Each unit is built to customer specifications
- » Rugged design, particularly suitable for high payloads
- » Removable lid with sealing and IP 65 protection
- » Aluminum profile-section joints fully welded
- » Beading all round and corner beads for additional dimensional stability
- » Available with cast alloy stacking corners and aluminum pallet substructure. Cases with and without pallet substructure can be stacked.
- » Fitted with ZARGES Comfort fasteners
- » Can be secured with a plug lock, lead seals, protection against bursting open or a padlock (max. shackle thickness .25")
- » Clearance dimensions are the same as the inside dimension
- » UN Certification for Hazardous Material Transport available



- » **Requirement:** Missile storage and transport, UN HazMat Certified, IP 67 protection, resistant to salt spray and moisture, droppable from a height of 82.7", and conforming to NATO Level 3.
- » **ZARGES Solution:** ZARGES provided custom K473 cases that met or exceeded all requirements.
- » **Met or passed:**
  - » IP 67
  - » UN Hazardous Materials Certification
  - » NATO Level 3

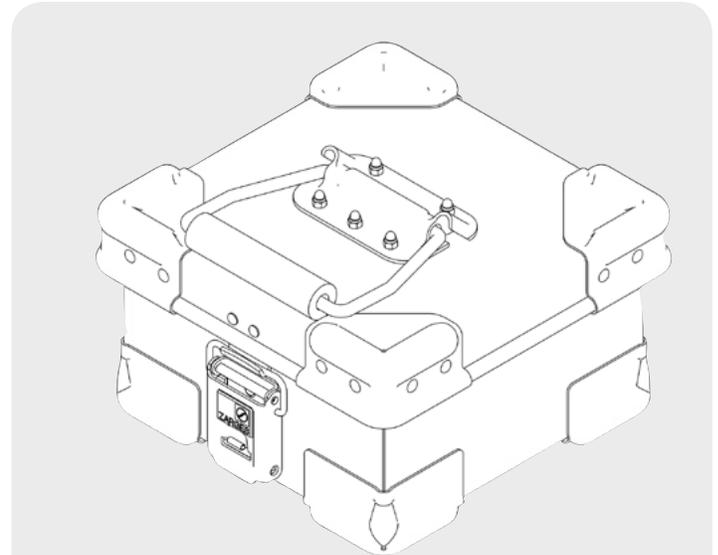


- » **Requirement:** Rugged shipboard storage for gun barrel assembly.
- » **ZARGES Solution:** ZARGES supplied the Navy with a rugged solution that successfully passed stress tests and a 2.5-ton roll with no permanent deformation.
- » **Met or passed:**
  - » MIL – 810 Shock/Vibe, Wind blown rain, Salt/Fog

# K475 Heavy Duty Case

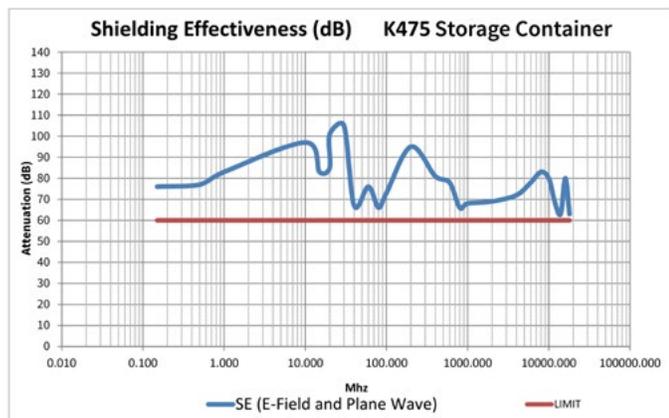
The ZARGES K475 is the most rugged and durable case available on the market. The cases offer an IP rating of 67, with an integrated pressure release valve and humidity indicator. The cases provide a high level of EMI shielding and may also be UN Certified for the transport of hazardous goods. For the most critical missions and harshest environments, the K475 is the ultimate choice in reusable packaging for protecting your sensitive goods and equipment.

- » Seal-welded case, tightness IP67
- » Removable lid with self-locking spring fasteners
- » Ergonomic heavy-duty sprung drop handles
- » Pressure relief valve with humidity indicator
- » EMI shielding
- » Stackable reusable packaging of corrosion-resistant aluminum
- » Continuous seal integrated into lid
- » Sturdy stacking corners on base and lid
- » UN Certification for Hazardous Material Transport available



- » **Requirement:** Safely sustain nuclear command, control and communications terminals for the Air Force's nuclear bomber mission.
- » **ZARGES Solution:** ZARGES delivered a HEMP hardened storage case that provides security and redundancy to this vital system.
- » **Met or passed:**
  - » MIL – 810 Shock/Vibe, Wind blown rain, Salt/Fog
  - » MIL – 461 EMI
  - » MIL – 285 EMP

## Result of shielding efficiency measurement to MIL-STD, measured values



SKU	OVERALL DIMENSIONS (L x W x H) (IN)	CLEAR INTERNAL DIMENSIONS* (IN)	(LBS)
45133	15.7 x 15.7 x 11.8	12.9 x 12.9 x 10.4	12.12
45135	19.7 x 19.7 x 15.7	18.1 x 18.1 x 14.4	16.53
45138	23.6 x 15.7 x 15.7	20.7 x 12.9 x 14.4	17.19
45141	31.5 x 15.7 x 11.8	28.6 x 12.9 x 10.4	23.59
45142	31.5 x 15.7 x 15.7	28.6 x 12.9 x 14.4	26.01
45144	31.5 x 23.6 x 15.7	28.6 x 20.7 x 14.2	33.30
45145	31.5 x 23.6 x 19.7	28.6 x 20.7 x 18.1	37.04

\*Clear Internal Dimensions refers to the size of the case opening.

# K424 XC Rolling Case

The ZARGES K424 XC aluminum rolling case is the ultimate in security, versatility and mobility. Like the legendary ZARGES K470, it is lightweight, rugged, and dust and water resistant. The K424 XC features integrated casters, a retractable handle, stacking corners, side and corner beading for extra dimensional strength. The K424 XC is ready for any task, anywhere.

- » Smooth mobility via integrated 2" casters
- » Optional 5" wheel set or 8 2/3" off-road set available for use in difficult terrain
- » Retractable handle or second sprung drop handle on end face
- » Stacking corners made from impact-resistant plastic and integrated stacking elements in the support frame
- » High load-bearing capacity of up to 110 lbs. despite the low dead weight
- » Constructed of extra strong 5005 alloy aluminum sheeting
- » Beading all round and corner beads for additional dimensional stability
- » Lid with stainless steel hinge, two lid straps and continuous polyurethane seal
- » Ergonomic heavy-duty sprung drop handles with plug locks
- » Sized to fit DIN 15141 pallet
- » UN Certification for Hazardous Material Transport available



» **Requirement:** Transport case for providing and preserving plasma and essential temperature sensitive medical supplies.

» **ZARGES Solution:** ZARGES provided modified K424 XC cases with a condenser based cooling system to provide our troops with a stable and mobile storage and delivery system for life critical supplies.

SKU	OVERALL DIMENSIONS (L x W x H) (IN)	CLEAR INTERNAL DIMENSIONS* (IN)	VOL. (IN. <sup>3</sup> )	LBS
41810	21.65 x 15.75 x 9.17	20.31 x 13.78 x 6.26	1,709	13.9
41811	23.62 x 15.75 x 15.16	21.65 x 13.78 x 12.2	3,661	16.1
41812	31.5 x 15.75 x 17.91	29.53 x 13.78 x 14.96	6,041	19.8
41813	31.5 x 19.69 x 15.16	29.53 x 17.72 x 12.2	6,407	20.9
41814	31.5 x 26.97 x 19.09	29.53 x 25 x 16.15	11,900	26.5
41815	37.8 x 15.75 x 17.91	35.83 x 13.78 x 14.96	7,323	20.9
41816	23.62 x 15.75 x 15.16	21.65 x 13.78 x 12.2	3,661	16.1
41817	31.5 x 15.75 x 17.91	29.53 x 13.78 x 14.96	6,041	19.8

\*Clear Internal Dimensions refers to the size of the case opening.

# Other ZARGES Transit Cases

## K470 PLUS

The ZARGES K470 PLUS two-part aluminum shipping and storage case is a system made up of two easily combined base and hood units, making it ideal for easy access and equipment that needs to be operated inside the case. The K470 PLUS provides greater versatility with all of the standard features of the ZARGES K470, including anodized aluminum, corner beading, snap fasteners with optional locks, stainless steel hinges, welded profile section joints, and integrated seals to protect against dust and moisture.



	SKU	OVERALL DIMENSIONS (L x W x H) (IN)	CLEAR INTERNAL DIMENSIONS* (IN)	WEIGHT (LBS)
<b>BASES</b>	<b>40500</b>	23.6 x 15.7 x 7.1	20.5 x 12.6 x 5.9	5.7
	<b>40503</b>	31.5 x 23.6 x 7.1	28.3 x 20.5 x 5.9	10.6
	<b>40504</b>	31.5 x 23.6 x 9.8	28.3 x 20.5 x 8.7	12.1
<b>HOODS</b>	<b>40501</b>	23.6 x 15.7 x 9.8	20.5 x 12.6 x 8.7	8.8
	<b>40502</b>	23.6 x 15.7 x 16.1	20.5 x 12.6 x 15	10.4
	<b>40505</b>	31.5 x 23.6 x 16.1	28.3 x 20.5 x 15	19
	<b>40506</b>	31.5 x 23.6 x 24	28.3 x 20.5 x 22.8	23.1

\*Clear Internal Dimensions refers to the size of the case opening.

## Retour

The ZARGES Retour® Collapsible aluminum shipping and storage case folds down to one third of its original size to facilitate reverse logistics. The containers can hold up to 1,000 lbs. yet are easily collapsed by one person to be returned, refilled and shipped again. The sturdy aluminum construction means this case can be reused again and again.



## K410

The ZARGES K410 aluminum service case is the ideal method for the protected transport of a wide variety of goods. The anodized aluminum case comes with corner reinforcements for additional strength and an integrated seal to keep out moisture and dust.



## Y-Case

The ZARGES Y-Case aluminum shipping and storage case provides excellent versatility and a rugged design. Perforated side walls allow the case to be easily converted for customized internal dividers. The Y-Case is designed especially for military transport and storage applications. UN Certification for Hazardous Material Transport available.



## K411

The ZARGES K411 Attaché case is designed to protect your valuable samples, documents, tools or other goods with integrated combination locks, an aluminum profile for strength, coupled with plastic cladding for scratch resistance and an integrated seal to keep dust and moisture out.



# Accessories

Aluminum case accessories increase the usability, mobility and security of your aluminum shipping and storage cases. ZARGES can outfit your case with a variety of useful products, including labeling, foam inserts and foam linings, dividers, pockets and pouches, locks and seals, mounting brackets, casters, trolleys and dollies. Accessories may be purchased separately from the case, before, with or after. Please consult with ZARGES to determine which products are best suited for your case(s). Additional accessories and custom options available via [www.zargesUSA.com](http://www.zargesUSA.com).



Nylon lid pocket



Attaché insert for documents



Nylon tool pocket



Aluminum dividers



Shackle lock (TSA vers. avail.)



Lifting straps



Removable casters



Dolly trolley



Aluminum pallet



Lock and key set

## Accessories for K424 XC rolling case



8 3/8" off-road wheel set



5" wheel set



Nylon dividers



Mounting brackets



Divided inner liner

## Finishes and foam

ZARGES Cases are delivered to the customer as unpainted aluminum. All finishes in accordance FED STD 595. Pantone/RAL colors available. Labeling according to MIL-STD.

- » CARC (Chemical Agent Resistant Coatings)
- » Solvent and Water based applications
- » Stencils and silk screen graphics to include logos – unlimited font size and style



We manufacture tailor-made foam inserts in a large range of materials to provide perfect protection and functionality geared specifically to the goods you are transporting. You supply photos, drawings, 3D data or original parts – and our designers develop the perfect inserts for your specific application. You have a choice of various colors. Anti-static, dissipative or flame-retardant designs available.



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