

K 475 transport and storage containers



Transport and storage containers in the K475 series are reusable packaging solutions made to the highest standards. They are designed as water-vapour-proof protective packaging for sensitive equipment. The containers are available in standard sizes, tested to VG 95 613 or in special sizes based on individual requirements.

K 475 special containers are available with special foam fittings, holders and other accessories on request.



Stacking corner



Lid seal



Base stacking corner



RFI gasket



Top rim extrusion



Humidity indicator /
pressure compensation
valve



Details

- Water-vapour-proof, stackable special reusable packaging made of corrosion-resistant aluminium according to TL 8115-0047.
- Seal-welded container, tightness IP 67.
- Stackable, with sturdy stacking corners on base and lid.
- Removable lid with all-round seal.
- ZARGES Comfort fasteners with extra catch-spring anti-opening feature.
- Ergonomic heavy-duty sprung drop handles.
- Pressure compensation valve and humidity indicator.
- RFI screening available.

K 475 transport and storage containers

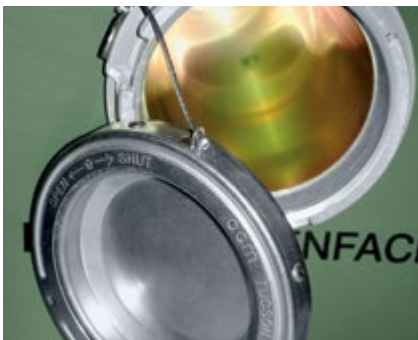


Order No.	Inside dimensions L x W x H, approx. mm	Outside dimensions L x W x H approx. mm	Volume approx. l	Weight approx. kg
45133	360 x 360 x 265	400 x 400 x 300	34	5.5
45135	460 x 460 x 365	500 x 500 x 400	77	8.0
45138	560 x 360 x 365	600 x 400 x 400	74	7.8
45141	760 x 360 x 265	800 x 400 x 300	73	9.1
45145	760 x 560 x 460	800 x 600 x 500	196	16.8

All sizes also available with approval for the transportation of hazardous goods.



Accessories



Document compartment

- Manometer
- VA coupling for filling with inert gas
- Foam linings
- Foam inserts according to individual requirements
- RFI gasket
- Dessicant compartment
- Dessicant cartridges
- Decompression opening
- Pallet substructure
- Document compartment



K 475 in special design with VA coupling



VA top-up and emptying valve for filling with inert gas



Secure, individual compartments with retaining devices

Module containers – protection and mobility for medical products



ZARGES shelf containers are transport and storage containers for first-aid equipment, tools, spares etc. used in military applications, emergency aid and ambulance and rescue services. They are designed to accommodate closed ISO standard modules/modular baskets. This means that you only need to order what you require, and empty containers can be easily replaced with full ones in the warehouse or at the scene of the emergency.

Details

- High-strength, corrosion-resistant aluminium alloy.
- Extruded framework with welded-on metal plates, impermeable to splashes. IP 65 protection class
- Float-mounted locks.
- Separate lid, connection by means of 4 toggle locks.
- Stackable using stacking knobs and recesses.
- 2 recessed drop handles per end face.
- Peripheral seal to the front.
- Interior with 6 pairs of support rails for maximum 6 modular inserts.
- Outside dimensions (L×W×H, approx. mm) 685×465×775 incl. lid.
- Standard design: Order No. 45 190 (without accessories)



Standard version

Accessories

- Closed modules/modular baskets to ISO standard (600 × 400 mm, height 50, 100, 200 mm).
- Made from polycarbonate (transparent) or ABS (light blue).
- Lengthwise and crosswise partitions.
- Modules for small items.

Special accessories for TL 6545-0055 (see illustration)

- 2 containers usable as a desk.
- Desktop sections are stored in the lids for transport.
- Therefore recommended for deployment as mobile first-aid station.



Special version: module containers usable as desk.



Further products and solutions are available in the ZARGES Medical Catalogue and online www.zarges-medical.de

Y-containers – the range used by the German armed forces



The transport and storage containers in this series have been designed specifically for military applications. Any container size can be stacked together. The entire series is also available as approved hazardous goods packaging.



No.	Order No.	Type	Inside dimensions L × W × H approx. mm	Outside dimensions L × W × H approx. mm	Volume approx. l	Weight approx. kg
1	45050	B5 Y	570 × 380 × 220	615 × 420 × 270	47	6.4
2	45052	B10 Y	570 × 380 × 466	615 × 420 × 516	100	7.6
3	45055	B20.2 Y	794 × 572 × 220	835 × 615 × 270	99	11.4
4	45053	B20 Y	794 × 572 × 466	835 × 615 × 516	211	13.8
5	45054	B20.1 Y	794 × 572 × 717	835 × 615 × 761	325	17.0
6	45058	B40.2 Y	1,175 × 793 × 220	1,215 × 833 × 270	205	18.0
7	45056	B40 Y	1,175 × 793 × 465	1,215 × 833 × 516	433	22.0
8	45057	B40.1 Y	1,175 × 793 × 717	1,215 × 833 × 761	668	25.7
Not illustrated	335597	B10.2 Y	380 × 265 × 466	420 × 305 × 516	46	5.4

Important note: All containers are registered with a supply no. Clearance dimension approx. 30 mm less than inside dimension (length and width). Special sizes on request. All containers supplied unpainted and without labelling as standard.

Details

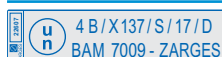
- The transport and storage containers BY and DY can be stacked together.
- Continuously welded shell joints.
- Sturdy aluminium cast stacking corners on lid and base.
- Stacking feet on base with attachment bores inside and outside.
- Silicone sealing on the inside of the base makes the container waterproof up to the lower edge of the drop handle.
- Sturdy base, edge and lid profile.
- Hinged lid with peripheral seal.
- Loose lid for B40.1 Y, B40.2 Y and B40 Y.
- Snap fasteners with anti-spring-open feature.
- Protection class IP 54 in accordance with DIN EN 60 529: 1992

Special equipment

- Also available as UN-approved hazardous goods packaging.
- Red Cross labels available for 4 sides and lid in accordance with TL 6545-0055.
- Lettering in accordance with TL 6545-0055.
- For exterior painting, see Page 51.
- Variable dividers.
- Case inserts.
- Base plates.
- Non-magnetic version available on request.



All sizes also available with approval for the transportation of hazardous goods.



Hood-type containers – making light work of handling heavy equipment



Hood-type transport and storage containers are special containers designed for the packaging of heavy equipment. Depending on their design and construction, hood-type containers can be stacked together with standard versions of the Y-type containers.

Details

- Base panel with flat mounting support for equipment.
- Hood cover with stacking corners.
- Drop handles on the ends.
- Hood cover and base panel connected by special adjustable toggle-type fasteners.
- Base panel can be fitted with an aluminium or timber pallet to support heavy equipment.
- Can be stacked together with BY containers.
- Fitted instruments can be operated with hood cover removed.
- Special dimensions are available on request.
- We also develop bespoke solutions tailored to your specific requirements. Please send us your request!



Stackable with BY containers



Moisture-proof special design, IP 67



ZARGES pallet cabinets are used when hood-type containers are too low. Equipment can be rolled from the container via a ramp. Pallet cabinets are custom-made according to your specifications. Please contact us for further details.

RetouЯ® collapsible cases for general cargo



All sizes also available with approval for the transportation of hazardous goods.



Collapsible reusable packaging made from aluminium alloy for space-saving returns as well as storage

- Can be collapsed quickly and easily by one person.
- Simple handling due to interlocking profiles with a connecting locking device on the floor pan and side parts.
- Side protection profiles.
- High degree of stability due to three sets of profiles in the outside walls.
- Folding ratio 1:3
- Lid securely fastened to rear wall by swing-type hinge.
- End-walls and lid with additional, externally mounted stiffening profiles.
- Self-locking fasteners, suitable for lead seals and/or locking with a shackle lock.
- Stacking corners.
- Suitable for use on roller conveyors.
- 15 mm free space when collapsed (e.g. for interior fittings).

Order No.	Inside dimensions L × W × H approx. mm	Outside dimensions L × W × H approx. mm	Size when folded H, approx. mm	Volume approx. l	Weight approx. kg
45070	730 × 530 × 570	800 × 600 × 600	145	221	21.0
45073	1,130 × 730 × 740	1,200 × 800 × 900	287	610	62.0

Note: Aluminium pallet and aluminium side protection profiles are optional extras. Order No. 45 073 Supplied with wood pallet and wood side protection profiles. Dimensions and weight incl. flat wooden pallet. Special sizes on request.

Special features of collapsible containers

Order No.	Details
45070 + 45073	Long front wall folds down, loading also possible from the front
45073	Flat wooden pallet as standard equipment

For the transport and storage of liquid and paste-like materials, ZARGES offers you a solution in the form of the collapsible container RetouЯ® Inliner. Please contact us for further details.



K 473 heavy-duty cases – robust for high payloads

The K473 range is particularly suitable for high payloads, e.g. heavy machinery, engines or equipment. It thus extends the comprehensive K 470 range by adding an even sturdier alternative and protects heavy equipment even under the toughest transport and environmental conditions. The use of aluminium means an optimum combination of low weight and a high degree of protection.

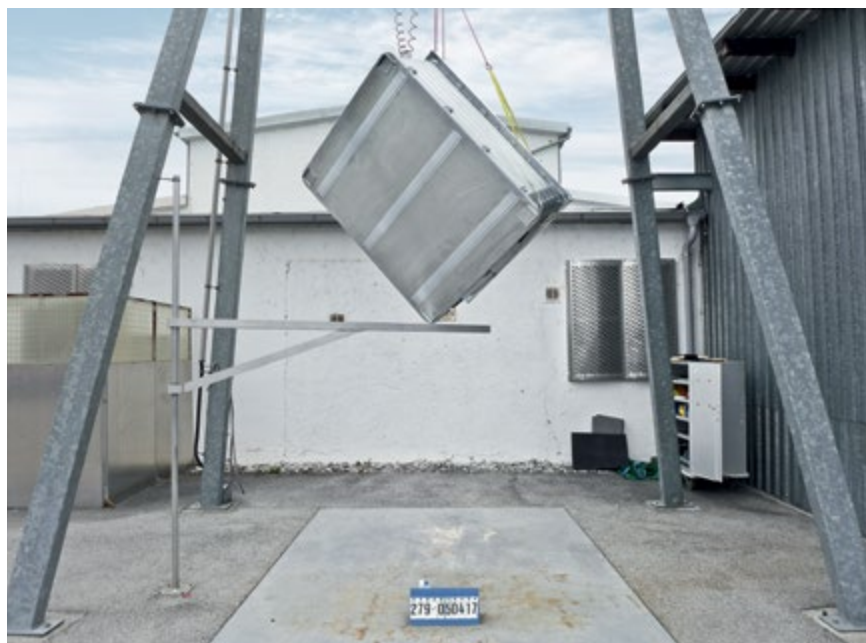
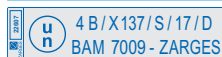
- Robust design, particularly suitable for high payloads.
- Removable lid with seal.
- Sturdy, generously dimensioned edge and base profile sections, high-strength positive jointing ensures permanent bonding between jacket and base metal.
- Beading all round and corner beads for additional dimensional stability.
- ZARGES Comfort handles for ergonomic handling and loads of up to 50 kg.



Internal packaging for lithium batteries with vermiculite cushioning and flame-retardant foam



All sizes also available with approval for the transportation of hazardous goods.



K 473 as hazardous goods packaging for lithium batteries in a drop test from a height of 1.80 m and gross weight of 500 kg

Optional equipment

- Stacking corners: cases with and without a pallet substructure can be stacked.
- Aluminium pallet substructure.
- Hinged lid, two straps and foamed peripheral lid seal (ingress protection IP 54).
- Pressure compensation valve and humidity indicator.
- Removable fixed and swivel castors.
- Paint finish in all standard variants possible.
- Also with approval for the transport of hazardous goods for payloads up to 500 kg, including for lithium batteries.

Bulk containers for missiles and components



Bulk containers for military equipment



Cable shockmount



KEPD 350 missile prior to delivery



Safety feature Rupture disc: Provides protection in the event of a sudden ambient pressure drop.

Bulk containers and special containers for a wide variety of applications, e. g. for transporting and storing missiles, rockets, drones and much more.

Designed and manufactured from high-strength aluminium alloy sheet metal and profiles. Innovative details such as shock absorbers, mounts and handling aids for problem-free, ergonomic and safe handling. When required, tested and approved as hazardous goods packaging in accordance with UN requirements, i. e. can be transported on public roads.

We develop individual solutions according to your specifications. Please contact us for further details!

Special solutions for containers and logistics



Special containers made from aluminium are individual customer-specific solutions designed and manufactured in close cooperation with the client to meet the requirements of the application in question.

From the specially designed K 473 through to highly sophisticated special containers: no matter how exacting your requirements, ZARGES special containers rise to the challenge – with creative design and state-of-the-art production techniques. Areas of application include the storage and transport of large equipment, components and other parts for air and space travel and industrial products on land, by sea and air.

Services and quality

- Pressure-sealed constructions.
- Waterproof designs.
- Cargo protected against shocks and vibrations.
- Stackable containers.
- Recesses for fork lifts, lifting lugs.
- Paint and labelling to customer specifications.
- Customised options for built-in items, from one-off to bulk materials.
- Environmental requirements to customer specifications.



Special container with paint finish



Gastight container for transporting satellite components in a nitrogen atmosphere.

Special construction for radar and navigation



Photo: Airbus, ASR antenna system

Services and quality

- High-precision constructions with close-tolerance reflector surfaces and mountings for add-on and built-in electronic items.
- Shock- and vibration-tested.
- Pressure-sealed construction.
- Removable radome.
- Metal-oxide-free paint.

A wide diversity of highly accurate antenna systems are necessary to ensure the safety of air transport. These need to function reliably under all conditions. ZARGES delivers all necessary mechanical components according to customer specifications.

Electronic navigation systems on civil and military ships, aircraft and ground stations must be capable of doing their job even under extreme conditions. ZARGES supplies the corresponding components, e.g. radar antennas, antenna cases and reflection geometry – true to size and able to withstand the most severe weather and environmental conditions.

Special constructions for radio links and satellite antennae

In the design and manufacture of antenna for radio and satellite link systems, accuracy of measurement represents a crucial factor. We are able to draw on decades of experience in this sector based on a multitude of completed projects. Application areas include radio, television and telecommunications in fixed and mobile networks (including UMTS). We also develop bespoke solutions tailored to your specific requirements. Please send us your request!

Services and quality

- Dimensions Ø 0.6–4.0 m.
- Painted using a special aluminium alloy.
- Compressed, stretch-formed or moulded reflector surfaces.
- Precision ± 2 mm.
- rms value ≤ 0.8 mm.
- Wind loads up to max. 200 km/h.



DLR Corner Reflector