



ZARGES



# Hazardous goods packaging

Reliable protection – even under the most extreme conditions

# Universal container K 470

## The original – since 1950

Often copied but still unmatched.

Whether you need to protect sensitive equipment for an expedition, urgently required supplies for humanitarian aid projects or hazardous goods in transit: The classic K 470 aluminium cases from ZARGES are the perfect way to protect whatever you need to transport – even under extreme conditions.

And with our comprehensive range of accessories, you are sure to find the optimum packaging solution for every task. These lightweight and extremely resilient cases are available in 25 sizes.





# ZARGES – no compromises when it comes to safety and protection



## Why use aluminium for hazardous goods containment?

- Extremely robust quality.
- Lightweight.
- Long service life for frequent re-use.
- Easy to reseal.
- Highly stable thanks to a metal thickness of 1.5 mm from sizes of 800 mm × 600 mm upwards.
- Ideal for heavy hazardous goods.
- Sturdy packaging for reliable protection even under the most extreme conditions.

## Why hazardous goods containment from ZARGES?

- Wide selection of approved standard sizes.
- Broad range of approved product series (UN 4B, UN 4BV, UN 50B).
- Short delivery times, even for special sizes.
- UN 4B approval for all transportation modes.
- ZARGES has its own testing centre for type testing, approved and monitored by the Federal Institute for Materials Research and Testing (BAM).
- Wide selection of accessories and interior fittings.

## ZARGES K 470 – available with protection class IP 65 as an option, the case is dust-tight and protected against water jets:

- These cases are used wherever valuable and sensitive equipment needs to be protected against extreme environmental conditions.
- The automatic pressure relief valve with Gore™ membrane ensures that the lid can still be opened, even after a change in the air pressure.
- The impermeability of the K 470 IP 65 has been tested and certified by TÜV SÜD (German technical inspection agency).



Dust-tight to standard IP 65



Automatic pressure relief valve with compensation membrane



Lid with all-round foamed seal



Protected against water jets

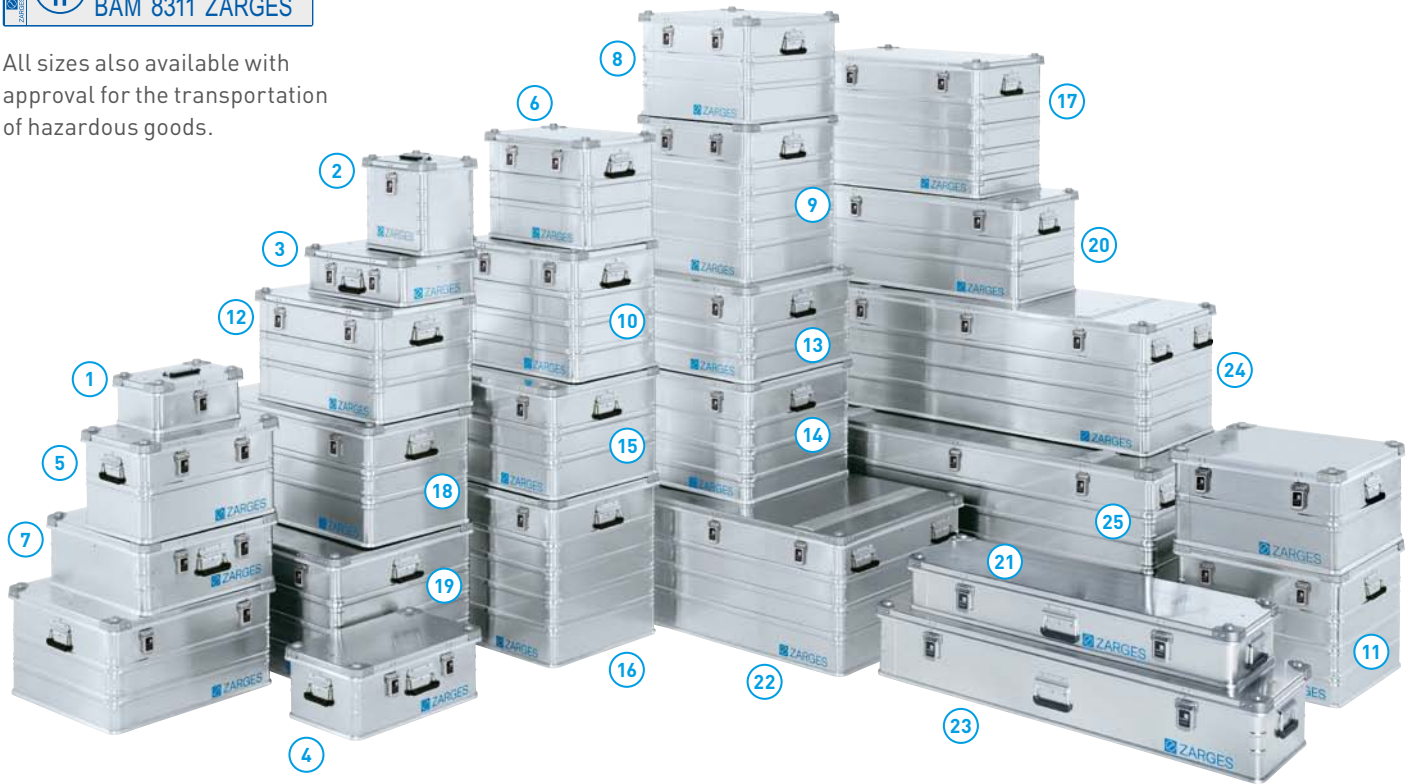
# There's a case for every requirement in this selection!

25 different sizes and 1,000 possible combinations.

The K470 series comprises 25 models and thus offers a unique range of standard sizes. Capacity ranges from 13 to 829 litres. And if by any chance you do not find the right case for your needs here, ZARGES can also manufacture special sizes to order.



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



Order No.	See No.	Internal dimensions (L × W × H, approx. mm)	External dimensions (L × W × H, approx. mm)	Content (approx. l)	Weight (approx. kg)	With hazardous goods approval, max. permissible gross weight, kg	Corresponding foam lining without installation
40835	1	350 × 250 × 150	400 × 300 × 180	13	2,6	26,0	43860
40677	2	350 × 250 × 310	400 × 300 × 340	27	3,1	58,0	43861
40810	3	550 × 350 × 150	600 × 400 × 180	29	4,2	65,0	43862
40568	4	550 × 350 × 220	600 × 400 × 250	42	4,8	65,0	43863
40678	5	550 × 350 × 310	600 × 400 × 340	60	5,0	70,0	43864
40564	6	550 × 350 × 380	600 × 400 × 410	73	5,3	75,0	43865
40849	7	550 × 550 × 220	600 × 600 × 250	67	5,6	65,0	43866
40859	8	550 × 550 × 380	600 × 600 × 410	115	6,6	75,0	43867
40836	9	550 × 550 × 580	600 × 600 × 610	175	7,8	94,0	43868
40837	10	600 × 430 × 450	650 × 480 × 480	116	6,5	70,0	43869
40839	11	600 × 560 × 440	650 × 610 × 470	148	7,4	83,0	43871
40841	12	690 × 460 × 380	740 × 510 × 410	121	6,9	71,0	43873
40842	13	690 × 640 × 340	740 × 690 × 370	150	8,0	84,0	43874
40843	14	690 × 640 × 430	740 × 690 × 460	190	8,6	100,0	43875
40565	15	750 × 550 × 380	800 × 600 × 410	157	10,0	102,0	43877
40566	16	750 × 550 × 580	800 × 600 × 610	239	12,0	126,0	43878
40844	17	780 × 480 × 520	830 × 530 × 550	195	11,1	103,0	43879
40845	18	900 × 480 × 400	950 × 530 × 430	173	11,0	93,0	43880
40846	19	900 × 640 × 450	950 × 690 × 480	259	13,4	115,0	43881
40567	20	950 × 450 × 380	1000 × 500 × 410	162	10,9	65,0	43882
40847	21	1150 × 350 × 150	1200 × 400 × 180	60	7,5	50,0	43887
40580	22	1150 × 750 × 480	1200 × 800 × 510	414	20,0	183,0	43884
40848	23	1350 × 400 × 220	1400 × 450 × 250	119	9,5	65,0	43888
40875	24	1550 × 550 × 465	1600 × 600 × 495	396	25,0	150,0	43885
40876	25	1650 × 750 × 670	1700 × 800 × 700	829	30,0	200,0	43886

**Important note:** Clearance dimension approx. 30 mm smaller than internal dimensions (length and width). Special sizes on request.

# Useful accessories for the hazardous goods range

To ensure that hazardous goods packaging complies with the legal specifications for shipment, you need the right accessories.  
**And so ZARGES offers a comprehensive range of accessories.**



## TÜV-tested lifting tackle

- Load capacity up to 200 kg per case.
- Attachment set, lifting sling, textile.
- No rattling noises.
- Can also be used in combination with hazardous goods approval.

**Order No. 40745**



## Clip-on castors

- Mobility for all cases from a size of 550 mm x 350 mm (internal dimensions).
- Can be fitted without tools.
- Made of solid rubber, Ø 100 mm, swivel castors equipped with wheel brake.
- Load capacity up to 90 kg with 4 castors.

- **2 fixed castors**  
each with clamping mechanism  
1 x left and 1 x right.

**Order No. 40741**

- **2 swivel castors**  
each with clamping mechanism  
1 x left and 1 x right.

**Order No. 40742**

## Packaging cushion, fireproof

- Perleen® packaging cushion for hazardous goods and batteries.
- Fireproof packaging cushion made of tear-proof fibreglass cloth.
- Easier handling and less formation of dust compared with loose filling.
- Filled with approx. 15 litres of fireproof chemical binder Perleen® 444.
- For shock-absorbent packaging and absorption of hazardous substances.
- Non-conductive.
- Largely carbon-free.

**Order No. 43833**



## Aluminium flat pallet with long corner feet

- On request, the cases can be supplied with a pallet substructure.
- Please contact us for details of pallets made of wood, plastic or aluminium.



## Protective spring

- Prevents unintentional bursting open of the fasteners.
- Fits all K470 cases.

**Order No. 40834**



## 1 Adhesive label for delivery notes

- Fixed positioning of shipping labels.
- Easy to clean.

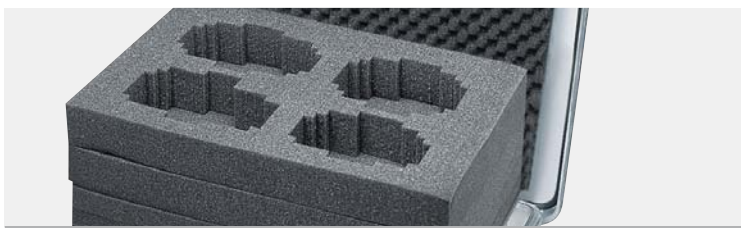
## 2 Replacement plates with VA steel frame

- Customised to suit your requirements, please contact us for details.



# Foam linings –

the flexible and reliable way to protect your goods



## Pick'n'Pluck foam set

- The quick and simple solution for individual items or small batches.
- Pre-perforated flexible foam inserts made from open-cell PU foam.
- Shape can be adjusted without the use of tools.
- Sheet thicknesses in the set: 2 sheets each 30 mm and 60 mm, nubbly-foam lid insert 30 mm, base foam 10 mm.

### Set 1

Fits 40810, 40564, 40568,  
40678  
Dimensions (L × W × H):  
550 mm × 350 mm × 220 mm.  
**Order No. 40735**

### Set 2

Fits 40565, 40566  
Dimensions (L × W × H):  
750 mm × 550 mm × 220 mm.  
**Order No. 40736**



## Foam lining

- The universal protection for your goods and equipment.
- Base and wall sections made from Plastazote LD45, self-adhesive design (specific density 45 kg/m<sup>3</sup>, thickness 11 mm), lid lined with PU nubbly foam.
- With installation on request.
- **Order No. depends on case size, see product table K470.**



## Customised foam inserts

We can manufacture customised padding inserts in a wide variety of materials and for every application, also in anti-static or flame-retardant design.



## Bag with slide-type seal

- Easy-to-operate slide-type seal for quick and simple opening and closing.
- Mandatory for infectious substances which must be packed in accordance with transport regulations P620 or P650.
- Material: PE, thickness 100 µm.

**Order No. 43831**

You can find details of further accessories on the insert in every case or on the Internet at: **www.zarg.es.com**

# ZARGES hazardous goods packaging

## meet widely varying requirements

Hazardous goods may only be transported in packaging which meets strict safety standards criteria and is approved by the relevant authorities. For many years, ZARGES has been producing UN-approved containment systems made from aluminium.

## CLIENT + ZARGES

Consultation and packaging concept (internal and external packaging)

**YES**

**Solution available?**

**NO**

**Solution covered by existing approval**

Wide selection of existing UN approvals

**Development of a special solution**

**Design, construction and testing by ZARGES**

**Application for approval**



Certificate from Federal Institute for Materials Research and Testing (BAM)



As an authorised testing centre, ZARGES can carry out testing of hazardous goods packaging and apply for type approval.

## The ZARGES range

In most cases, our extensive range of standard products offers a wide variety of solutions that meet our customers' requirements. Here is a selection of some of our most popular product series:



Alu-Case K 410 – GGV



K 470



Cupboard trolley W105N



Reusable transportation container UN 3291



Airbag container



**ZARGES –**

Access equipment.  
Packaging.  
Transportation.  
Special solutions.

At ZARGES, our focus is on the benefit for the customer. Innovative standard products, special solutions or comprehensive service – every day, our customers can rely on the safety and high quality of our range. Find out more at [www.zarges.com](http://www.zarges.com)

Further information is available on the Internet or from your specialist dealer:

[www.zarges.com](http://www.zarges.com)



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The products shown here are only a small excerpt from our overall range.

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