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ELKOPLAST



ROLL-OFF CONTAINERS

ELKOPLAST CZ, s.r.o. is a company with international scope of activities in deliveries of containers and other technologies for collection, sorting, compaction and transport of waste. Some other products have been gradually included in our assortment, these products find application in other fields of activities, including building industry, automotive industry, agriculture and other sectors.

Manufacture of waste containers

In 1991 we built our first production line which served exclusively for manufacture of fibreglass containers intended for collection of sorted municipal waste. In the course of several years we extended the manufacture of containers for sorted waste and today we offer a wide assortment of containers from 300 litres up to 5 000 litres in several designs, depending on collected waste including semi-underground containers.

In 1997 we extended our production program by the manufacture of roll-off containers. In order to increase production capacity, we built an independent production plant in Bruntal in 2001.

The production premises of overall extent 29 thousand square metres are located in the town industrial zone and we manufacture above 1 500 pieces of containers annually in various designs as per customer's requests.

In 2008 we launched rotational moulding line (rotomoulding) to produce polyethylen containers, tanks and other products. This modern and ecological technology enabled us to expand the range of containers and to raise our production capacity.



production area in Bruntal



Other products and custom manufacturing

Besides the waste containers we also manufacture a series of other products which find application in a lot of sectors. As regards fibreglass and polyethylen products, we provide complete service including design and manufacture of moulds. Among such products belong for example manufacture of automobile spoilers, engine hoods and other automobile parts, manufacture of sanitary equipment including shower enclosures and relaxation bathtubs, manufacture of tanks, sandboxes and other products.

We also offer cooperation in supplies of steel products, as are for example welded structures, steel pallets, tanks and other custom-made products based on submitted drawing documentation, and/or an approved sample. Due to solid technological equipment, we can offer technologically sophisticated and spatially demanding weldments.

By investing into modern production technologies and by rationalizing manufacturing process, we want to contribute to increase efficiency and reliability of waste collection.



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Skip containers



02

City containers



03

Standard version ABR-DSD/ASD



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Lightweight version ABR-WD



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Stackable version ABR-STH



06

Rubble transport version ABR-HBS



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Railway transport version ABR-ACTS



08

Special versions



Skip containers are intended for the transport and storage of municipal and industrial waste. Various special modifications enable the containers to be used for other purposes (manipulation by crane at building sites, mobile storage units, etc.).

Containers are supplied in a variety of styles according to the required use. They are manoeuvred by the arm container truck. Containers are coated with anticorrosive painting and quality top paint in any color.

Selected types can be manufactured in a hot-dip galvanized version.

Standard types:

- SM - symmetric version,
- AM - asymmetric version,
- AMK - asymmetric version with tilting front,
- AMC - asymmetric version with crane lifting eyes,
- SMDS - symmetric version with steel lids,
- SMDP - symmetric version with plastic lids (in one-piece or split).

The container standards conform to the DIN 30720 norm.



skip with plastic lids





They find their use for the transport and storage of different materials such as municipal waste, industrial waste, rubble and loose material. Usually transported by vehicles with a maximum weight allowance of 3,5 to 12 tons. These vehicles can also be used as a transport platform or a store. The standard lifting hook height is 1 000 mm, it can be lower or higher according to customer's request. Top painting in any colour according to RAL.

Various options:

- sides: fixed - foldable eventually removable,
- doors: flap door (hinges on the top) - two-wings door - combined (flap door plus two-wings door) - tilting ramp (hinges at the bottom),
- roof: fixed - fixed with throw-in openings - tilting ,
- tarpaulin hooks or net,
- grease cups on hinges and wheels,
- central locking of doors (operated from the side).

Volumes and standard version :

- volume: 2m³ - 20m³,
- inner length: 3 500-4 500 mm,
- inner width: 1 800-2 200 mm,
- sheet thickness: 3 mm (high-strength material S355),
- rail: IPN 140.

personalised version





Standard design containers are mostly suitable for the collection and transport of general municipal and industrial waste. Suitable for transport and store of loose material too.

Specification:

- acc. to the German (DIN 30 722) or to the French (NF R 17-108) norms,
- hook, cable, chain lifting system or a combination of these ones,
- EN S235 event. S355 steel, thickness 2-6 mm,
- continuous welding (except for the bottom reinforcements where disconnected welding used),
- top profile – square section 100×80×4 mm event. tube 89×6 mm,
- rails and lifting made of IPN 180, rear frame of a rolled section UPN 180,
- vertical reinforcements of sides and bottom beams U 100×60×3 mm, with spacing of 750 mm,

- transition between sides and bottom 45, 90° or so called round corner,
- the rear side of the container formed by two-wings, one-wing or flap door, wheels and hinges provided with grease cups,
- central locking of doors operated from the side of the container,
- tarpaulin hooks,
- a ladder on containers with inner height min. 1 250 mm (fulfilling the safety norms).

We often equip containers with:

- 2-part sliding roof,
- tilting roof operated mechanically or hydraulically,
- spooling roof with fastening straps or fixed roof.

 roll-off with one-wing door



 roll-off with tarpaulin



 roll-off with sealed flap door





After taking into account the effectiveness of transport and the changing prices of materials, since 2006 we have been designing and producing lightweight containers. Today, we offer a complete line of containers ranging from 7 cubic metres to 50 cubic metres. They are used by dozens of companies throughout Europe. The structural design and the minimum welding joints guarantee extraordinary strength and life-time of the containers.

To achieve the best weight-to-load ratio, we use solely higher quality steel. Different characteristics of the used materials allow to choose an ideal combination regarding the economy, life-time as well as price.



roll-off with tilting net





Designed to transport rubble, soil and other materials. Easy to stack by means of a hook container truck, therefore several containers can be transported at once. They are equipped with a tilting ramp suspended by two strong springs.

Specification:

- produced acc. to the German (DIN 30 722) or French (NF R 17-108) norm,
- a foldable lifting hook,
- the bottom 5 mm, the sides and door 3 mm,
- a robust square section top profile,
- special wheels for stacking.



 detail of stacking

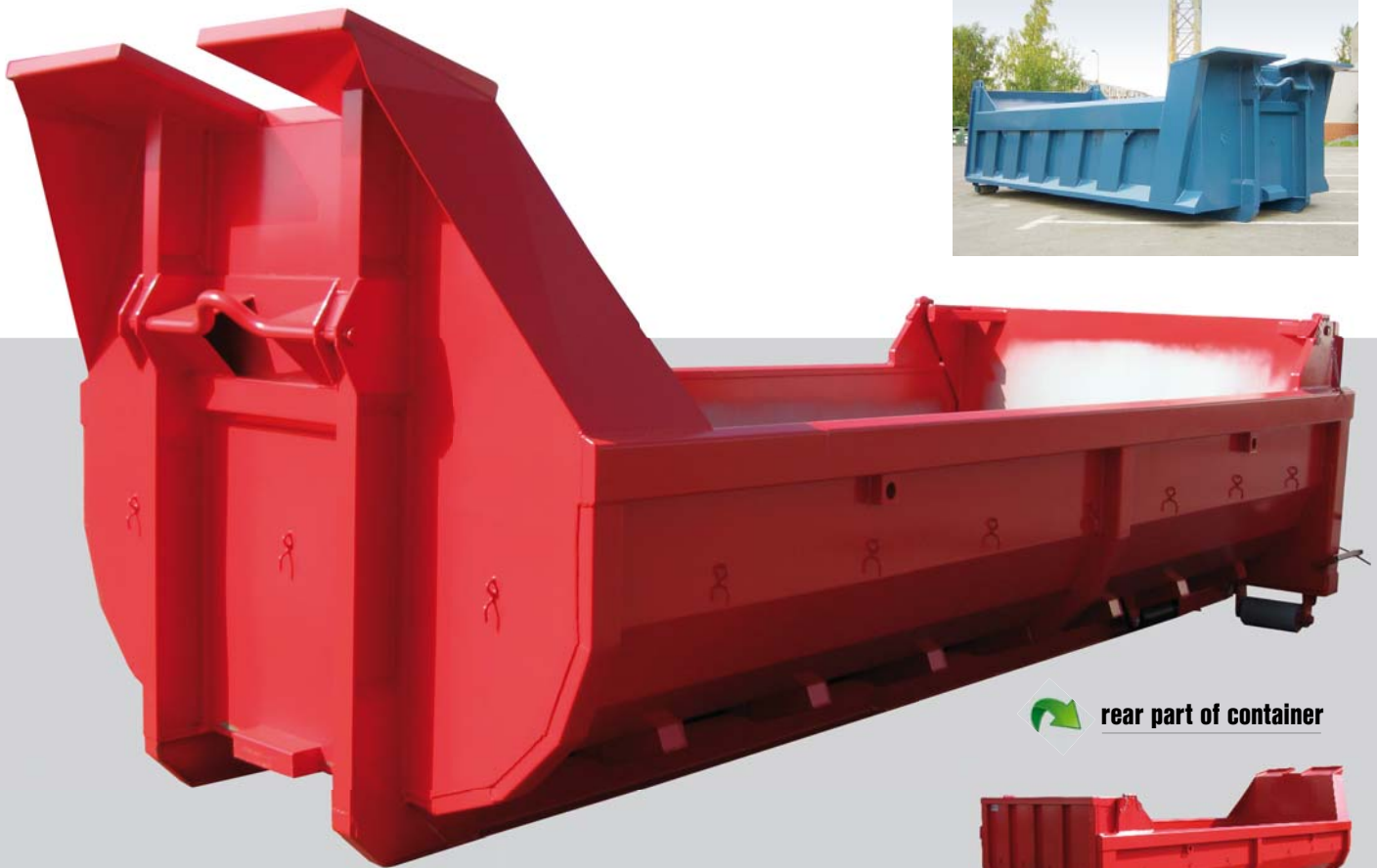




Robust version to transport rubble and aggregates. Designed to achieve the maximum resistance in tough conditions. Made of wear-resistant high-strength steel (HB 400/450) and a robust top profile of QSTE steel.

Specification:

- made entirely of HB 400/450 steel with a thickness of 5 mm,
- reinforced frame of IPN 180,
- a raised front and a dismountable flap door,
- mechanical, hydraulic or pneumatic operation of the flap door (type ABR-HBS-R).



 rear part of container



 special version from Hardox





ACTS (abbreviation of "Abroll-Container-Transport-System") is a transport system for combined road-railway transport. Special containers are used, transported either on special railway wagons or on trucks. The containers are produced according to strict technical standards. Transported on four-axle platform railway wagons, which allow a maximum of 3 containers to be transported at a time. The containers are placed on turning platforms. The transshipment on/from this wagon is made by hook container truck.

General advantages for our customers:

- sufficient production capacities,
- a long experience with container production,
- experience with custom-built containers - trouble-free modifications according to specific customer requirements, use of our own engineer's office and prototype workshop,
- various financing possibilities,
- the transport of containers to the destination by means of our own transport.

 ACTS - WD



 detail of foldable hook





Based on customer requests, we supply containers suitable for the collection and transport of dangerous wastes, heavy steel waste, the transport of liquids and other materials. We are ready to design a version to fulfil your individual needs regarding the load capacity, weight, way of charging and discharging, the securing of the loaded material, way of transport and so on.

Examples of the most common special versions:

- a sealed door provided with tightening bolts for the transport of dangerous wastes,
- a hydraulically controlled flap door enabling easy and fast manipulation when discharging containers,
- a separation flap door (fixed or sliding) which allows to sort the different types of collected waste,
- the use of wear-resistant, high-strength sheets like HARDOX, WELDOX, DOMEX and QSTE for transport of heavy waste (especially scrap and stone),
- containers equipped with a double bottom and outlet valves, suitable for the collection of sludge, oily cuts and other types of waste which demands filtering the liquids,
- closed containers with side throw-in openings equipped with lockable lids (plastic, steel), suitable for the collection of sorted waste,
- universal container platforms suitable for transport of various machines and materials.

roll-off for ash

two-color version



platform with dismantlable sides

