

Foldable Large Containers



Schoeller Arca Systems

Creative solutions for better returns

WHATEVER YOU NEED,
WHENEVER YOU NEED IT

Offering qualified, plastic-based systems and products for materials handling together with expert know-how and groundbreaking technology, Schoeller Arca Systems is devoted to helping you improve your supply chain in every way possible. By entering and participating in projects as early as possible, our problem solving approach together with our comprehensive knowledge, experience, and network will not only yield solutions matching your needs and requirements, but also help you optimise your entire logistics.

The combined commitment to customer dedication and product innovation is at the very heart of our operations. The way we do business, the way we develop our solutions, and the way we take responsibility for our actions, products and systems are all governed by one single trait.

A trait that is integral in the attentive contact with our customers, the considerate quality and design of our solutions, and the inherent focus on environment, health and safety that accompanies each of our products throughout production, product life-cycle, and beyond.

A trait unmistakably summarizing everything
Schoeller Arca Systems stands for:

Caring. In every aspect.



Small world, long distance

A SUPPLY CHAIN CHALLENGE

A paradox in the ever growing global village is the fact that while the world seems to be getting smaller, the quantity of transported goods and the distance they travel is increasing by the minute.

The movement of goods across broader geographical areas is facilitated by a growing number of centrally located warehouses, distribution centres and logistics hubs permeating modern supply chain management.

Such extensive logistics flows need a comprehensive

assessment and economical viability. No matter what is being shipped, safe and reliable supply chain solutions are more crucial than ever. Consequently the requirements have become more challenging, putting an even stronger focus on attentive, innovative and dependable supply chain partners.

Reusable, recyclable distribution packaging solutions comply perfectly and completely not only with these conditions, but also with emerging requirements and impending regulations.

A multitude of possibilities

FOLDABLE LARGE CONTAINERS FROM SCHOELLER ARCA SYSTEMS

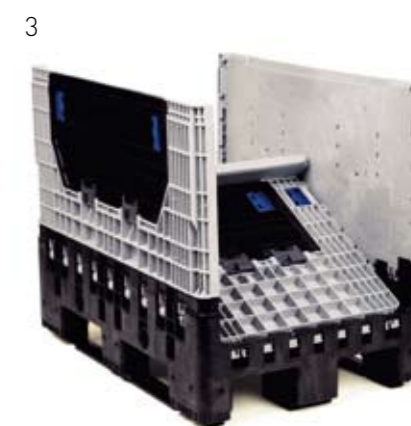
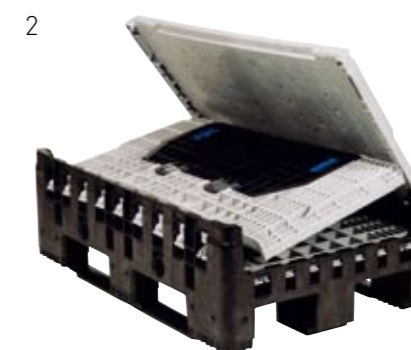
The advantages of reusable packaging from Schoeller Arca Systems are numerous. Apart from superior volume and load capacity, our containers offer long life time and outstanding performance. In addition, cost models clearly show that our solutions can optimise your entire logistics flows and help you keep a keen eye on overheads.

The containers meet all environmental requirements and are set to be re-used for a large number of trips. And at the end of their lifetime, the materials (polyethylene or polypropylene) are recycled and reused.

The foldable and groundbreaking solid design meets international standards and offers outstanding stability as well as excellent product protection – in handling, storage and transport. A truly versatile packaging, it is suitable for a wide range of products and applications in practically any industry. The standard formats also make for swift and seamless integration in virtually any logistics system or supply chain, both inbound and outbound.

The ergonomic design and construction adds to the safety of your staff. It also facilitates maintenance and allows smooth loading/unloading, whereas the low tare weight makes it easy to handle.

The folding principles and the practical sidewall locking system allow a single person to fold or erect the container quickly and easily, without any tools. When empty and folded, the container is reduced to a third of its erected size, saving space in both storage and return transport.



The MAGNUM™ is easy and quick to fold or erect by one person, with all the latches locking automatically.

Magnum™

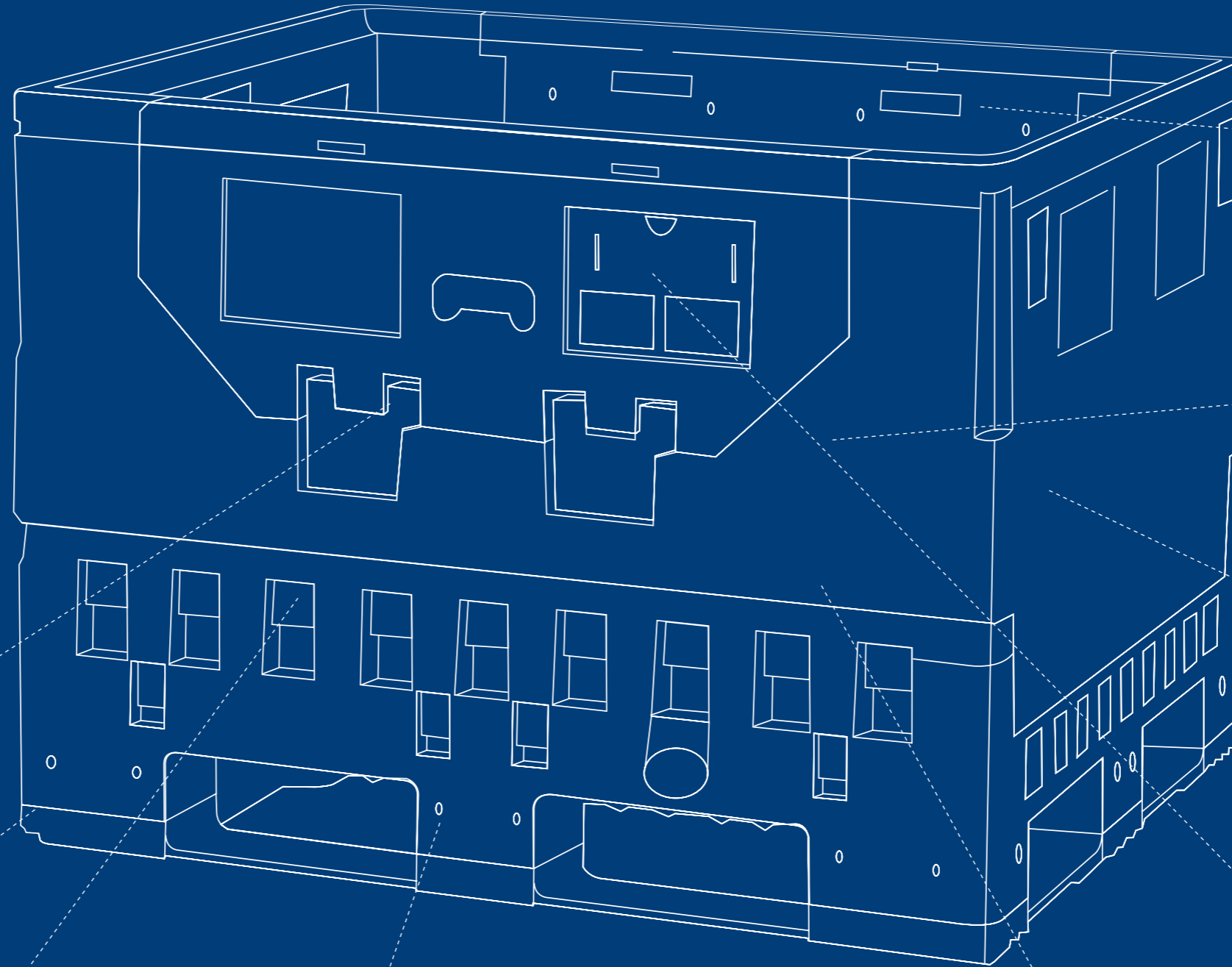
SETTING THE STANDARD FOR FOLDABLE LARGE CONTAINERS

Schoeller Arca Systems is setting the standard for foldable large containers. Not only in terms of offering groundbreaking product features, but also in finding comprehensive and sustainable solutions to meet your demands throughout the product life cycle and beyond.

Besides a wide range of foldable large containers, we offer third-party solutions with regard to financing, equipment pooling services, spare parts handling, and maintenance.

As evidence of the residual value of the containers, we also offer to purchase back, discard, or recycle the old containers at the end of their useful life.

For more information, please contact your nearest Schoeller Arca Systems office.



Access doors

Easy-to-handle, large access doors for efficient and ergonomic loading/unloading.

Stability and safety in stacking

Secure pallet/sidewall interface with 30 mm interlock.

Low and consistent tare weight

No water retention if containers are stored outside or during cleaning.

Optimal pallet design

Fork openings, runners and other design features conform with international standards.

Easy maintenance

All vital parts are exchangeable and damaged components can be recycled.

Lids and dust covers

Available as an optional extra.

Smooth and soft surface design

For optimal hygienic performance and maximum product protection.

Smart design and reinforcing rib structure

External or internal (depending on single or double wall design). Identification/Label holder options.

Identification/Label holder options

Multiple possibilities for printing, marking, embossing, labels, RFID tags, etc. conform with common standard requirements.

Anything & anywhere

APPLICATIONS AND SEGMENTS

Suitable for complex automated systems or manual use, our foldable large containers can be employed in numerous industries for a wide variety of applications.

They meet the strict requirements from the automotive industry worldwide, where many world class companies have implemented them in their complex supply chains. Other industries and applications include various assembly industries, retail supply chain, DIY-retail, food processing, print distribution, packaging material, pharmacy, agriculture and spare parts handling.

The variety found within our product range ensures that you will always find a solution that meets your requirements and needs – regardless of application or product handled, and regardless of cost or performance required.

If our range does not match your company's needs, adjustments and adaptations can be made.



Schoeller Arca System was the obvious choice from the beginning. It was the only company that had containers in the correct size and offered a global solution which met our needs.

Christophe Giboni, Electrolux's supply manager



MAGNUM™ CI 1200 S

Case Study – Electrolux

BACKGROUND

The Electrolux Group began eighty years ago with a single vacuum cleaner. Today it is the world leader in domestic appliances.

To make Electrolux's front loading washing machines, parts are required from all over Europe, so it's important to consider the transport and packaging carefully. Until seven years ago, Electrolux used wooden pallets, but noticed that these deteriorated rapidly. They then tried using disposable cardboard on wooden pallets, but the annual disposal costs, combined with the effect on the environment, forced them to seek another solution.

PALLET REQUIREMENTS

The brief was to find a disposable plastic pallet with specific dimensions of 1200 x 1000 x 1200 mm which would protect all types of parts including bulky washing machine spares during transport.

Electrolux wanted to reduce the costs of its packaging, in both environmental and economic terms. To achieve this, the re-useable pallets would need to optimise volume loads and reduce storage space requirements. They also required a built in electronic tracking device in order to monitor transportation, deliveries and customer stock levels.

THE SCHOELLER ARCA SYSTEMS SOLUTION

Schoeller Arca Systems proposed the foldable large container, Magnum 1200 x 1000 x 1200 mm pallet with cover.

LOGISTICAL SUCCESS

Electrolux was impressed with Schoeller Arca Systems' customer services and the attention to detail which led to the contract being signed in less than a month.

Logistical results have shown pallet loads with an outstanding optimal volume; a load increase of 25% per truck.

In reality the optimisation of transport efficiency is even bigger if you take into account the Magnum's size which allows a larger product load per pallet.

Electrolux Magnum was also developed with a superior electronic tracking device.

FINANCIAL SUCCESS

Production costs are considerably lower for the Magnum than for the wooden pallet. Schoeller Arca Systems also offered a favourable financial package to make payment as easy as possible.

In addition to the obvious savings on transport costs, the Magnum also helps Electrolux economise on storage space. When folded and stacked the Magnum's volume is a mere 30% of its original size. The standard size of the pallets allows for a single compatible storage place, while the sturdiness and stackable qualities of the pallet box has meant decreased product breakages.

Christophe Giboni, Electrolux's supply manager, has been very pleased with the Schoeller Arca Systems solution. "Schoeller Arca System was the obvious choice from the beginning," says Giboni. "It was the only company that had containers in the correct size and offered a global solution which met our needs."



Thanks to the good communication with Schoeller Arca Systems and their skills in project coordination, we together succeeded in obtaining the end product we were looking for.

Michel Ten Bok, manager of research and development at Euro Pool Systems



MAGNUM™ SH 760 P

Case Study – Euro Pool System

BACKGROUND

Euro Pool System is Europe's largest rental company for returnable packaging for fruit and vegetables. The company has a large European network of depots, and boasts a combined range of over 70 million containers.

PRODUCT REQUIREMENTS

Euro Pool System was on the look out for a bigger version of the existing 600 x 400 and 400 x 300 mm container systems. The new solution needed to hold a weight of up to 150 kg in load and be compatible with the existing handling equipment.

In addition, the container should have a volume reduction of over 60% compared with normal rigid units, offer an attractive display for fresh produce at the point of sale and be equipped with sidewall openings for easy loading and unloading.

THE SCHOELLER ARCA SYSTEMS SOLUTION

Schoeller Arca Systems exclusively developed a version of the standard Magnum 760 product: the Big Box 880 to meet Euro Pool System's requirements. The Big Box 880 is a large 800 x 600 x 760 mm, foldable container with a

volume capacity of 250 litres and a load capacity of 150 kg. There are two versions of the Big Box: one with a two-runner pallet and one with four wheels.

LOGISTICAL SUCCESS

The Big Box 880 was an immediate success, working well both as transport packaging and as an attractive display unit in shops. The stylish design provides optimal display for the fresh produce and the drop-down door feature facilitates consumer access.

In addition, the foldable solution has led to space savings in the logistics chain. The empty container can be folded down to a greatly reduced volume in trucks and storage depots.

FINANCIAL SUCCESS

The financial benefits of the Big Box 880 have been immeasurable. Euro Pool System has experienced a decrease in its cost per unit for transportation and storage as a result of the new, compact solution. Moreover, the Big Box 880's internal smooth finish has led to a decrease in product damage during transport.

Case Study – Magna Steyr

HANDLING SUCCESS FROM THE START – MAGNA STEYR

When The BMW Group signed an agreement with Magna Steyr covering the serial development and production of the BMW X3 Sports Activity Vehicle, they broke new boundaries as usual. Never before had an automobile manufacturer assigned such a large-scale project entirely to a single partner in the automotive supply industry.

The BMW Group normally uses steel boxes as their standard packaging. The challenge was to find an effective solution for handling materials from various suppliers from all over Europe to Magna Steyr's facilities in Graz, Austria. Magna Steyr opted for replacing the steel boxes partly by foldable plastic boxes and selected Magnum Foldable Large Containers.

The result was a considerable reduction of transport costs for handling empty containers. In addition, using



plastic instead of steel boxes also substantially reduced quality claims, the parts being delivered without any damages.



MAGNUM™ SI 900 S

Case Study – Gelita Group, Magnum™ SI 900 S solution

BACKGROUND

The Gelita Group is a leading manufacturer of pig fat gelatine which produces one third of the world's gelatine supply. Raw material from meat industry suppliers is delivered in a steady stream to the company's factory in Sweden. Gelita's gelatine is then distributed to numerous companies around the world.

REQUIREMENTS

Gelita required a large, durable foldable pallet container that would meet stringent hygiene standards and maintain content freshness even on long journeys.

Providing a safe and easy handling solution, the container should not only carry a large volume of goods but should also be highly efficient to transport.

THE SCHOELLER ARCA SYSTEMS SOLUTION

Schoeller Arca System suggested the Magnum 1200 x 1000 x 900 mm foldable container with a four-way entry pallet, 740 liter volume and a load capacity of 500 kg.

LOGISTICAL SUCCESS

The Magnum SI 900 S has proven to be exactly what Gelita needed. The smooth, even surface both on the inside and the outside makes it easy to clean and prevents dirt from getting clogged in sharp corners or between reinforcement ribs. As a result, its hygiene performance has actually surpassed industry norms.

This pallet container has an easy-to-fold design with additional hand grips. Just before the container is to be loaded the sides are folded-up and locked together. Once the filled product has been emptied, the container is then easily folded down again.

FINANCIAL SUCCESS

The strength of the box has meant damages occur less frequently, leading to reduced maintenance and repair costs. The container's smooth edges help to reduce collateral damage and risk of injury to the handler as well as minimising cleaning costs.

Transport capacity has increased by approximately 60% as a result of the increased volume of each container.

Sven-Gustav Sturén, a Gelita transport manager says, "We are very happy with the Schoeller Arca Systems solution. We have over three thousand containers in use today and we can see this number continuing to rise in the future."

Case Study – bauMax

EASY HANDLING IN-STORE – BAUMAX

In the last 25 years bauMax has grown from a local building materials company into an international and remarkable home improvement chain by any standard. With a total of 123 outlets in Central and Eastern Europe bauMax is ranking among the top 15 European home improvement store operators.

In 1998 a new distribution centre was established in Vienna, with the aim to supply the outlets in Austria with goods daily. Together with Schoeller Arca Systems, bauMax changed to returnable transit packaging instead of wooden pallets with carton sleeves.

The excellent design and high quality of the Magnum allows the outlets to display the box in-store. Together with the low tare weight and its optimal volume capacity, it has become very popular among the staff as well, facilitating their work in numerous ways.



A comprehensive range

Our standard range of foldable large containers consists of various lines comprising a wide number of unique products, allowing you to find a solution matching your needs. For special requirements and applications or for more detailed information, please refer to our web site and product catalogue, or contact your nearest Schoeller Arca Systems office.



MAGNUM™ SH 760 P
Item No. 2620.410

Version: Perforated, 4 access doors
External: 800 x 600 x 760 mm
Internal: 750 x 550 x 620 mm
Weight: 17 kg
Volume: 250 l
Max load: 150 kg



MAGNUM™ SH 760 S
Item No. 2620.450

Version: Solid, 2 access doors
External: 800 x 600 x 760 mm
Internal: 750 x 550 x 620 mm
Weight: 18 kg
Volume: 250 l
Max load: 150 kg



MAGNUM™ SH 780 SW
Item No. 2620.460

Version: Solid, 2 access doors, with wheels
External: 800 x 600 x 780 mm
Internal: 750 x 550 x 620 mm
Weight: 21 kg
Volume: 250 l
Max load: 150 kg



MAGNUM™ SH 680 HD
Item No. 2640.110

Version: Solid, no doors
External: 800 x 600 x 680 mm
Internal: 740 x 540 x 550 mm
Weight: 20 kg
Usable volume: 210 l
Max load: 700 kg



MAGNUM™ SH 835 HD
Item No. 2630.610

Version: Solid, 2 access doors
External: 800 x 600 x 835 mm
Internal: 740 x 540 x 705 mm
Weight: 22 kg
Usable volume: 272 l
Max load: 700 kg



MAGNUM™ SI 900 S
Item No. 2520.652

Version: Solid, 2 access doors
External: 1200 x 1000 x 900 mm
Internal: 1120 x 920 x 715 mm
Weight: 51 kg
Volume: 736 l
Max load: 500 kg



MAGNUM™ CE 950 S
Item No. 2330.456

Version: Solid, 2 access doors
External: 1200 x 800 x 950 mm
Internal: 1120 x 720 x 765 mm
Weight: 57 kg
Volume: 620 l
Max load: 500 kg



MAGNUM™ CI 595 S
Item No. 2529.151

Version: Solid, no doors
External: 1200 x 1000 x 595 mm
Internal: 1120 x 920 x 410 mm
Weight: 43 kg
Volume: 425 l
Max load: 500 kg



MAGNUM™ CI 795 S
Item No. 2329.630

Version: Solid, 2 access doors
External: 1200 x 1000 x 795 mm
Internal: 1120 x 920 x 590 mm
Weight: 54 kg
Volume: 600 l
Max load: 750 kg



MAGNUM™ CI 975 S
Item No. 2320.461

Version: Solid, 2 access doors or no doors
External: 1200 x 1000 x 975 mm
Internal: 1120 x 920 x 790 mm
Weight: 62 kg
Volume: 820 l
Max load: 500 kg



MAGNUM™ CI 1200 S
Item No. 2319.451

Version: Solid, 2 access doors
External: 1200 x 1000 x 1200 mm
Internal: 1120 x 920 x 1015 mm
Weight: 75 kg
Volume: 1020 l
Max load: 500 kg



MAGNUM™ GI 975 S
Item No. 1831.100

Version: Solid, 2 access doors
External: 1200 x 1000 x 975 mm
Internal: 1120 x 920 x 767 mm
Weight: 50 kg
Volume: 790 l
Max load: 500 kg



MAGNUM™ E 1312

Item No. 2320.060

Version: Solid, 2 access doors
External: 1300 x 1200 x 975 mm
Internal: 1220 x 1120 x 790 mm
Weight: 77 kg
Volume: 1080 l
Max load: 500 kg

MAGNUM™ E 1512

Item No. 2320.070

Version: Solid, 2 access doors
External: 1500 x 1200 x 975 mm
Internal: 1420 x 1120 x 790 mm
Weight: 91 kg
Volume: 1255 l
Max load: 500 kg

MAGNUM™ E 1612

Item No. 2320.080

Version: Solid, 2 access doors
External: 1600 x 1200 x 975 mm
Internal: 1520 x 1120 x 790 mm
Weight: 97 kg
Volume: 1345 l
Max load: 500 kg

MAGNUM™ E 1712

Item No. 2320.090

Version: Solid, 2 access doors
External: 1770 x 1200 x 975 mm
Internal: 1690 x 1120 x 790 mm
Weight: 107 kg
Volume: 1495 l
Max load: 500 kg



LID

Item No. 2336.820

For Magnum CE 950
External: 1200 x 800 mm
Weight: 6.7 kg
Colour: Black
Pallet unit: 40



LID

Item No. 2326.820

For Magnum CI 595-1200
External: 1200 x 1000 mm
Weight: 4.9 kg
Colour: Black
Pallet unit: 40



LID

Item No. 2626.800

For Magnum SH 760/780
External: 800 x 600 mm
Weight: 2.6 kg
Colour: Black
Pallet unit: 70



LID

Item No. 2636.820

For Magnum SH 680/835
External: 800 x 600 mm
Weight: 1.8 kg
Colour: Black
Pallet unit: 26

Putting Schoeller Arca Systems on the map

Schoeller Arca Systems is the global market leader in the field of returnable plastic packaging systems for materials handling. Here are some of the reasons why:

WE'VE GOT THE PRODUCTS YOU NEED

Schoeller Arca Systems offers a very broad range of plastic materials handling products, including small and large foldable containers, intermediate bulk containers, big boxes, pallets, crates and trays for beverages and UN certified pails. If our existing products don't match your needs, we will co-operate with you to design a tailor-made solution.

SUITABLE FOR MOST APPLICATIONS

Given our extensive range and the adaptability of our products, Schoeller Arca Systems solutions can be used for distribution, storage and even retail display in areas as diverse as the beverage and automotive industries; food processing and postal services; pool providers and pharmaceuticals.

WE FOCUS ON YOUR CONCERNS

Two key principles govern all our product development: achieving smooth logistics and reducing our customers' total costs. Additionally, some products are designed to help strengthen your brand. The good news is: the economic use of raw materials and increased distribution efficiency that characterise our solutions also lead to a good environmental performance!

WE INNOVATE FOR YOUR SUCCESS

Our success depends on yours. That's why we always start from the customers' standpoint and ask ourselves how a new design or technique might serve your purposes better. This way of thinking is reflected in every aspect of our product design, product development, mould design, injection moulding, decoration and recycling.

WE CAN SUPPORT YOU NO MATTER WHERE YOU ARE

A worldwide network of manufacturing, sales and distribution locations enables us to satisfy our customers' global sourcing needs. So we can support you wherever you are now, and wherever you're heading in the future.

Operating in over 50 countries, Schoeller Arca Systems provides reliable, high quality plastic packaging systems and services. As an innovative and experienced development partner, we are committed to helping our customers reduce their overall logistics costs and enhancing product branding.

Our systems are used in a broad variety of industry segments including beverage, automotive, agriculture, retail distribution, postal services and pool providers. Through our own production facilities and selected licensee partners, we are able to combine a global presence with fruitful local partnerships.

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