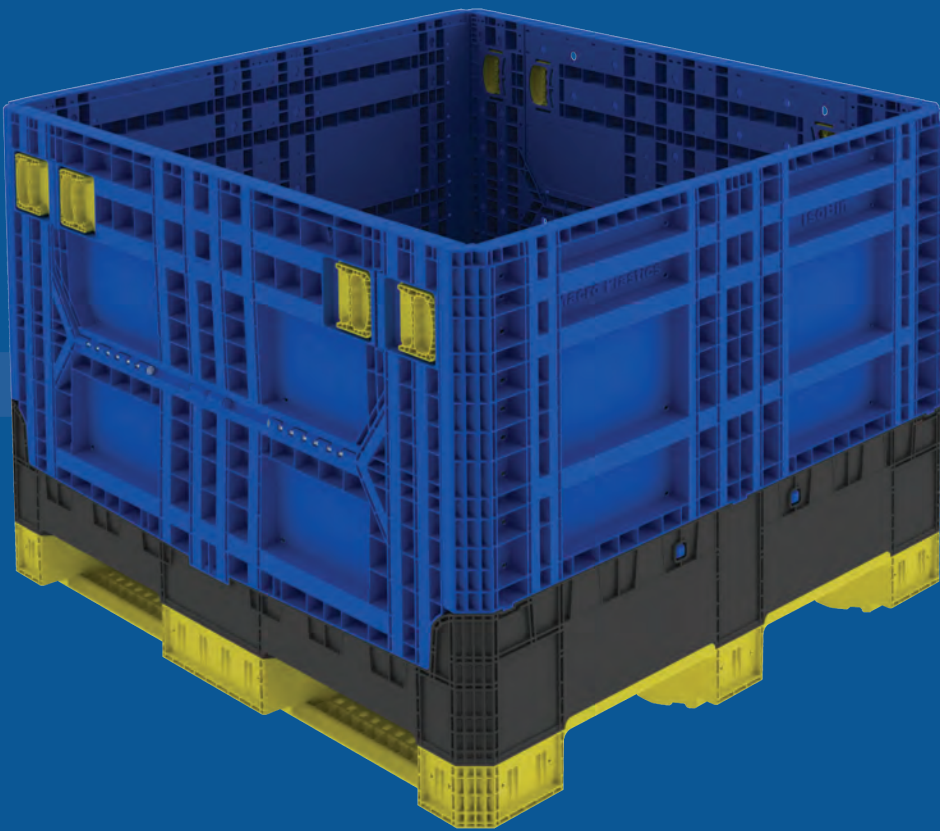




IsoBin™ ➤ RETURNABLE TRIP PACKAGING TO OPTIMIZE SHIPPING EFFICIENCY AND SUSTAINABILITY





BUILT FOR BETTER EFFICIENCY

The first family of folding plastic containers fully optimized for worldwide transportation and movement of products — IsoBins are designed specifically for seamless incorporation into your ever-expanding global supply chain infrastructure. Through our partnerships with the top 3PL providers, you can easily begin to gain the cost efficiencies and environmental benefits provided by using IsoBins. You can also streamline processes and achieve global coverage quickly.

With a standardized international footprint, IsoBins optimize densities in sea, road, and intermodal rail containers. Combined with greater product protection and an improved empty return ratio, IsoBins are one of the most efficient international shipping containers available (tested to AIAG:RC9, ASTM, ISO).



WHY PLASTIC?

Plastic is incredibly durable, lightweight, corrosion resistant, and waterproof. With its extended life cycle, you can efficiently move product and meet your corporate sustainability goals by reducing waste in both product and resources.

WHY REUSABLE?

Reusable containers create tremendous environmental advantages by conserving materials and resources, reducing waste, and lowering packaging costs.

WHY ISOBINS?

Superior Shipping Efficiencies

Designed with a standardized international ISO footprint, IsoBins utilize 97.2% of the floor space in ISO containers and can be stacked 3 high.

25% Lighter than Standard Folding Large Containers

Products can be heavy, so you don't want your containers to significantly add to your overall shipping weight. The light weight of IsoBins helps to maximize capacity and reduce shipping costs in each trip.

Premium Product Protection

The patented triple wall base is durable and impact-resistant to help reduce product damage and claims. Advanced dunnage attachments can further protect your product during transit.

Reusable and Environmentally Friendly

Manufactured with 100% recyclable materials, IsoBins are fully sustainable. Since they are reusable, you reduce your carbon footprint and can recoup your capital costs within 1½ trips.

Improved Warehousing

IsoBins can be stacked 6 high when stored fully loaded with product, or they can be fully collapsed and returned 8 high in a trailer, highboy, or ISO container, maximizing space utilization when empty.

Ergonomically Superior

IsoBins are easy to handle, safer to stack, and feature universal reach through latches and replaceable pallet straps in both European and North American configurations for greater ease of use.

Quicker Product Identification

With four label areas per side, product identification is quick and easy. No additional placards are needed.



International
Organization for
Standardization



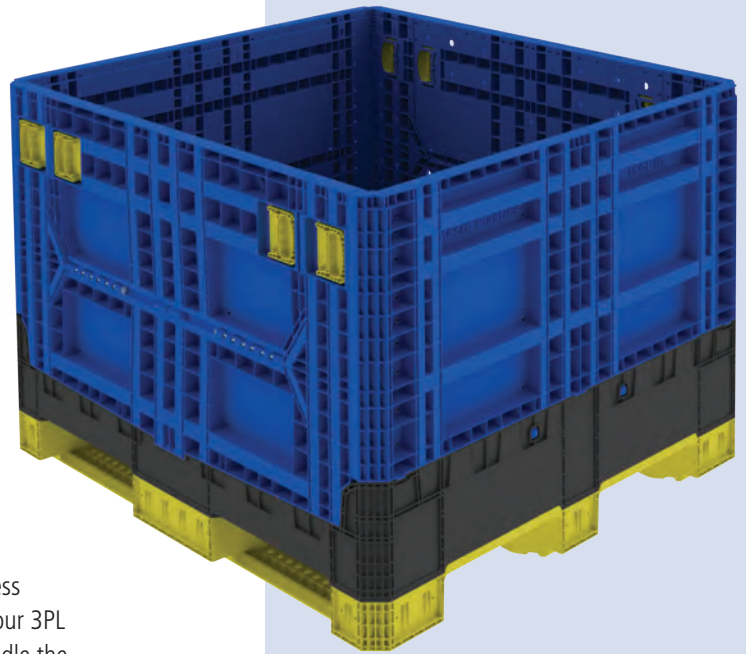
SELECTED FOR IMPROVED SUSTAINABILITY

Choosing IsoBins as your returnable trip shipping solution will reduce your negative impact on the environment. Because IsoBins are reusable, returnable, and made of 100% fully recyclable plastic, you can dramatically decrease supply chain waste by reducing, or even eliminating, the use of one-way packaging materials. IsoBins are also optimized for m3 efficiency and are designed to work with the most current transport solutions available. Using IsoBins will help you reduce your company's carbon footprint and improve your company's sustainability practices throughout daily operations.



SEE WHAT ISOBINS CAN DO FOR YOU.

Macro Plastics has developed the IsoBin to help you meet growing global supply chain requirements. The automotive industry is moving towards global platforms, the intercontinental movement of parts is increasing, and the need for more efficient and cost-effective packaging is critical. IsoBins can help you achieve a cost reduction of 15 – 25%. Cost savings through improved pack density, direct to line-side delivery, reduced labor packing costs, greater ISO container density, and reduced transit damage can improve your bottom line on both the freight and logistics sides of the equation. Contact a Macro Plastics IsoBin sales representative today and let us demonstrate how we can achieve a cost per part price reduction of over 25%, then let us put together a custom cost analysis for you.



VALUE-ADDED SERVICES

3PL Partnerships

Macro Plastics has teamed up with the world's top 3PL providers to offer seamless integration of IsoBins into your global supply chain. We will work directly with your 3PL provider to determine the most cost-effective use of our bins, while they will handle the logistics to efficiently move your parts and products around the globe.

Leasing Options

To help improve your shipping efficiencies even further, IsoBins are available with a number of leasing options. Through our 3PL partners, one-way, short-term, and open- or closed-loop rentals are available.

Recycling

All Macro Plastics products are 100% recyclable, designed with minimum material requirements and extreme durability to increase reusability. We also offer attractive incentives to return used or retired MacroBins for credit towards future purchases.



Visit www.macroplastics.com

for more information about IsoBins and our other ProBin and MacroBin product lines. If our current product portfolio does not meet your storage or shipping requirements, our experienced, world-class design team can work closely with you to develop a business solution tailored to your specific needs.

IsoBin Quick Reference Chart

IsoBin Container Specifications (Metric)

Model Number	Outside Dimensions (mm) (L X W X H)	Inside Dimensions (mm) (L X W)	Product Clearance	Collapsed Height	Container Capacity (kg)	Weight (kg)	Internal Volume (liters)
IsoBin30	1140 x 1190 x 760*	1061 x 1112	592	330	907	45	660
IsoBin33	1140 x 1190 x 845*	1061 x 1112	675	330	907	48	750

*Extended length options also available.

IsoBin Container Specifications (U.S. Standard)

Model Number	Outside Dimensions (in) (L X W X H)	Inside Dimensions (in) (L X W)	Product Clearance	Collapsed Height	Container Capacity (lbs.)	Weight (lbs.)	Internal Volume (cubic feet)
IsoBin30	45.0 x 47.0 x 30.0*	41.8 x 43.8	23.6	13.0	2,000	99	25.0
IsoBin33	45.0 x 47.0 x 33.3*	41.8 x 43.8	26.6	13.0	2,000	105	28.2

*Extended length options also available.

IsoBin Shipping Logistics

Model Number	40' ISO Container Quantities		40' High Cube ISO Container Quantities		53' Truckload Quantities		Maximum Loaded Stack		Return Ratio
	Collapsed	Assembled	Collapsed	Assembled	Collapsed	Assembled	Static	Dynamic	
IsoBin30	140	60	160	60	224	84	6 High	4 High	1.8:1
IsoBin33	140	40	160	60	224	84	6 High	3 High	2.5:1

IsoBin Density Specifications

Iso Containers		Macro Plastics		European Std		US Std
		IsoBin33	IsoBin30	K975	K795	4548-34
20' Standard	Collapsed	56	56	45	45	56
	Erect	16	24	18	18	16
40' Standard	Collapsed	140	140	110	110	126
	Erect	40	60	44	44	36
40' High Cube	Collapsed	160	160	132	132	144
	Erect	60	60	44	66	54

Over Road Trucks/EU Trailers

Mega Trailer Typical trailer used in Automotive	Collapsed	216	216	182	182	198
	Erect	72	96	78	78	66
Standard Tautliner	Collapsed	176	176	156	156	176
	Erect	66	66	52	78	66
Mega Cube Tautliner	Collapsed	216	216	182	182	198
	Erect	72	72	78	78	66
Optima Trailer	Collapsed	168	168	156	156	154
	Erect	48	72	52	78	44
Maxima Trailer	Collapsed	216	216	182	182	198
	Erect	72	72	52	78	66

US Trailers

53' Standard Typical trailer used in Automotive	Collapsed	224	224	196	196	208
	Erect	84	84	56	84	78



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