

A blue-tinted photograph of an industrial robotic arm in a factory. The arm is white and has 'RB52' printed on its side. It is positioned over a workbench. The background shows various industrial equipment and structures. The overall scene is dimly lit, emphasizing the mechanical components.

BUILT TO DELIVER MORE.

MONOFLO
INTERNATIONAL

FOR DURABLE MANUFACTURING

GET TO KNOW MONOFLO

Packaging that outperforms. Partnership that over-delivers. Monoflo delivers injection-molded packaging solutions that help businesses thrive.

At Monoflo International, we design, engineer and manufacture reusable injection-molded packaging like totes, containers, trays and pallets for some of the most recognized brands in the world. But what makes us an industry-leading supplier of reusable packaging isn't manufacturing excellence alone; it's our commitment to building trusted partnerships that position customers for success. With an excellence-obsessed mindset, a relentless focus on innovation and a people-centered approach to doing business, we deliver packaging solutions that empower industries to streamline supply chains, embrace sustainability and achieve their goals with confidence.

We're redefining excellence in reusable packaging with cutting-edge manufacturing processes and innovative injection-molded solutions that maximize value in modern supply chains. Serving industries from automotive to eCommerce, we combine advanced engineering and technology with a personal commitment to customer relationships to ensure every solution delivers unmatched quality, reliability and performance.



Optimized Packaging Systems for Automotive and Durable Goods

Monoflo containers and pallet systems deliver unmatched precision and durability for the most demanding supply chains.



Backed by advanced manufacturing processes and decades of application expertise, we offer smarter returnable packaging systems that optimize cost efficiency, sustainability, and performance in durable goods as well as the high-stakes automotive sector. Streamline your handling, storage and transport with durable injection-molded solutions that maximize bulk packing of Non-Class A parts or protect sensitive components. With injection-molded containers and pallets built to last, we collaborate with your team to create products and systems that streamline your logistics and keep production on track.

Explore our Automotive & Durable Products

Engineered for Excellence

With extensive expertise in complex automotive and durable manufacturing supply chains as well as being approved by leading OEMs, we are the industry's partner of choice. Every reusable container and pallet is precisely engineered for the demands of your parts applications.

- Durable injection-molded construction for long-lasting consistency and excellent strength-to-weight performance
- Options for bar codes, QR codes and RFID for easy tracking throughout your supply chain, including automated systems
- Precisely engineered for perfectly fit dunnage and optimal cube efficiency
- Collaborative mindset that ensures confidence in every solution and on-time delivery
- Industry-leading fulfillment times that help you move smarter and faster



**Visit Durable Manufacturing
Products on our web site.**

*Use the camera on your
smartphone to scan the
QR code above.*



Full Line of Automotive & Durable Manufacturing Solutions



Bulk Containers

Durable Build | Reinforced corners, U-channel ribbing, and a market-leading heat-welded base provide enhanced strength-to-weight performance and durability.

Flex-Hinge Design | All-plastic construction with no fiberglass or metal makes assembly, disassembly and field repairs safe and easy.

Easy-Handling Features | Optional access doors, 4-way forklift and pallet jack channels and bottom runners for conveyor systems streamlines handling and transport.

Advanced Tracking Options | Customizable options, like bar codes, license plates and RFID, ensure seamless integration with automated tracking systems.



Collapsible Containers

Optimized Freight Advantage | Foldable walls and a secure latch system offer a 5:1 knockdown ratio for space efficiency and freight cost savings.

Superior Performance and Durability | High-pressure injection molded collapsible containers are engineered for the best possible performance in the most demanding manufacturing applications.

Enhanced Functionality | Ergonomic carrying handles, optional access doors and several bottom options offer safer lifting, easy handling and increased protection.

Advanced Inventory Control Options | Customizable tracking options for bar codes, license plates, labeling, cardholders and RFID tags enhance inventory management.



Straight-Wall Containers

Enhanced Durability | We designed these containers with reinforced corners and impact-resistant features for long-lasting performance.

Ergonomic Handling | Ergonomic handles ensure safe and easy manual handling.

Customizable Bottom Configurations | Choose from flat or cross-stack bottom designs with optional drain holes to meet your unique requirements.

Advanced Tracking Options | Multiple labeling areas for hot stamping, ID tags, RFID and more enable real-time verification and precise inventory management.



Pallets

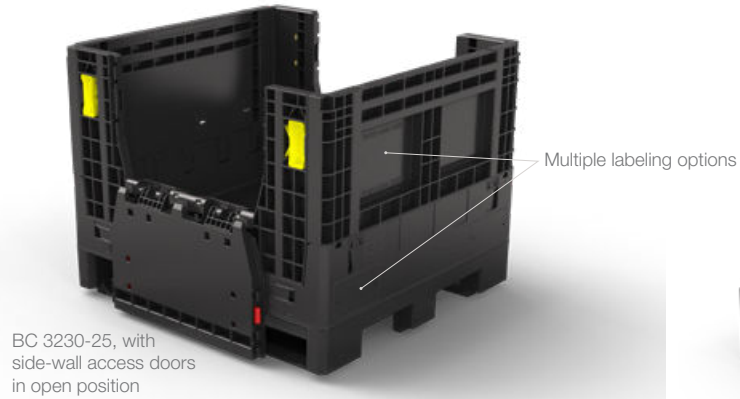
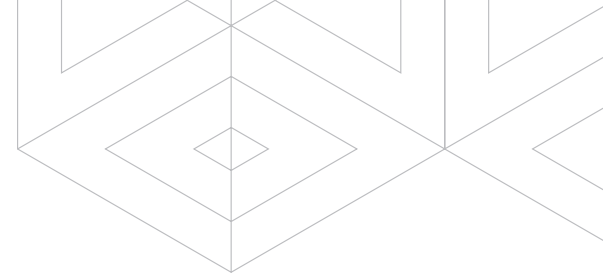
Optimized Space Efficiency | Designed with a 9-leg nesting system with cross-model compatibility to maximize storage and streamline return logistics.

High-Performance Durability | Engineered for demanding applications, our nestable pallets are constructed with a two-piece welded design for superior strength-to-weight performance and offer optional grommets.

Slip-Resistant Design | Includes textured top decks and optional deck lips to enhance load stability and prevent slippage during transport.

Advanced Inventory Control Options | We offer customizable options like embedded RFID tags, labels and license plates for seamless identification and tracking.

Bulk Containers



BC 3230-25, with side-wall access doors in open position



BC 3230-25, all sides folded



BC 3230-25, base view



BC 2444-25, with front facing side wall folded in



BC 4844.5-34

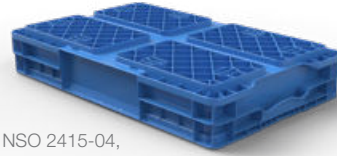
Bulk Containers

| Model | Outside Dimensions | | | Inside Dimensions | | | To Fill Line | Height Collapsed | Weight | Volume | Trailer Qty Opened | Trailer Qty Collapsed |
|---|--------------------|------|------|-------------------|------|------|--------------|------------------|--------|--------|--------------------|-----------------------|
| | L | W | H | L | W | H | | | | | | |
| BC 3230-25 | 32.0 | 30.0 | 25.0 | 29.5 | 27.5 | 19.3 | 18.5 | 12.6 | 50.0 | 8.7 | 240 | 540 |
| BC 3230-34 | 32.0 | 30.0 | 34.0 | 29.5 | 27.5 | 28.3 | 27.5 | 12.6 | 62.0 | 12.9 | 180 | 540 |
| BC 2444-25 | 44.5 | 24.0 | 25.0 | 41.0 | 21.0 | 19.2 | 18.4 | 12.5 | 66.0 | 9.1 | 208 | 468 |
| BC 4840-34 | 48.0 | 40.0 | 34.0 | 45.0 | 37.0 | 27.9 | 27.3 | 13.6 | 106.2 | 26.3 | 90 | 240 |
| BC 4840-39 | 48.0 | 40.0 | 39.0 | 45.0 | 37.0 | 32.9 | 32.3 | 13.6 | 116.0 | 31.1 | 60 | 240 |
| BC 4844.5-25 | 48.0 | 44.5 | 25.0 | 44.5 | 41.5 | 19.2 | 18.2 | 12.5 | 99.0 | 19.5 | 112 | 252 |
| BC 4844.5-27 | 48.0 | 44.5 | 27.0 | 44.5 | 41.5 | 21.2 | 20.2 | 12.5 | 102.0 | 21.5 | 112 | 252 |
| BC 4844.5-33 (Storage Bottom) | 48.0 | 44.5 | 33.0 | 44.5 | 41.5 | 27.2 | 26.0 | 20.5 | 117.0 | 27.8 | 84 | 140 |
| BC 4844.5-34 | 48.0 | 44.5 | 33.8 | 44.5 | 41.5 | 27.9 | 27.0 | 12.5 | 118.0 | 28.9 | 84 | 252 |
| BC 4844.5-35 (Storage Bottom) | 48.0 | 44.5 | 35.0 | 44.5 | 41.5 | 29.2 | 28.2 | 20.5 | 120.0 | 30.1 | 84 | 140 |
| BC 4844.5-42 (Extended Height with Collar System) | 48.0 | 44.5 | 41.8 | 44.5 | 41.5 | 35.9 | 35.0 | 20.5 | 136.5 | 37.4 | 56 | 140 |
| BC 4844.5-50 (Extended Height with Collar System) | 48.0 | 44.5 | 49.8 | 44.5 | 41.5 | 43.9 | 43.0 | 28.5 | 155.0 | 46.0 | 56 | 84 |
| TC 4845-3-IM-III | 48.9 | 45.9 | 2.6 | N/A | N/A | N/A | N/A | N/A | 14.1 | N/A | N/A | 1,742 |

Straight-Wall Containers



NSO 2415-04



NSO 2415-04,
cross-stacking bottom



NSO 2415-04,
flat bottom



NSO 1215-09



NSO 4815-11

Straight-Wall Containers

| Model | Outside Dimensions | | Inside Dimensions | | Total Height | Product Clearance (inches) | | Weight (lbs.) | | Volume | Trailer Quantity (AIAG pallet) |
|--------------------|--------------------|------|-------------------|------|--------------|----------------------------|-------|------------------------|-------|--------|--------------------------------|
| | L | W | L | W | | Flat | Cross | Flat | Cross | | |
| NSO 1207-05 | 12.0 | 7.0 | 9.4 | 5.5 | 5.0 | 4.5 (flat bottom only) | | 1.3 (flat bottom only) | | 0.1 | 12,480 |
| NSO 1215-04 | 12.0 | 15.0 | 9.4 | 13.0 | 4.0 | 3.4 | 2.9 | 1.6 | 1.8 | 0.2 | 8,112 |
| NSO 1215-05 | 12.0 | 15.0 | 9.4 | 13.0 | 5.0 | 4.4 | 3.9 | 1.7 | 2.0 | 0.3 | 6,240 |
| NSO 1215-07 | 12.0 | 15.0 | 9.5 | 13.1 | 7.5 | 6.9 | 6.4 | 2.3 | 2.6 | 0.5 | 3,744 |
| NSO 1215-09 | 12.0 | 15.0 | 9.4 | 13.0 | 9.5 | 8.9 | 8.4 | 2.7 | 2.9 | 0.7 | 3,120 |
| NSO 2415-04 | 24.0 | 15.0 | 21.5 | 13.1 | 4.0 | 3.4 | 2.9 | 2.7 | 3.1 | 0.5 | 3,900 |
| NSO 2415-05 | 24.0 | 15.0 | 21.5 | 13.1 | 5.0 | 4.4 | 3.9 | 2.9 | 3.4 | 0.7 | 2,808 |
| NSO 2415-07 | 24.0 | 15.0 | 21.5 | 13.1 | 7.4 | 6.8 | 6.3 | 3.7 | 4.2 | 1.1 | 1,872 |
| NSO 2415-09 | 24.0 | 15.0 | 21.5 | 13.1 | 9.5 | 8.9 | 8.4 | 4.3 | 4.8 | 1.4 | 1,560 |
| NSO 2415-11 | 24.0 | 15.0 | 21.4 | 13.0 | 10.8 | 10.2 | 9.7 | 4.7 | 5.3 | 1.7 | 1,248 |
| NSO 2415-14 | 24.0 | 15.0 | 21.5 | 13.1 | 14.5 | 13.9 | 13.4 | 5.7 | 6.3 | 2.3 | 936 |
| NSO 2422-07 | 24.0 | 22.0 | 21.5 | 20.6 | 7.4 | 6.8 | 6.3 | 4.9 | 5.6 | 1.7 | 1,248 |
| NSO 2422-09 | 24.0 | 22.0 | 21.5 | 20.6 | 9.5 | 8.9 | 8.4 | 5.6 | 6.3 | 2.1 | 1,040 |
| NSO 2422-11 | 24.0 | 22.0 | 21.4 | 20.5 | 10.8 | 10.2 | 9.7 | 6.1 | 6.8 | 2.6 | 832 |
| NSO 2422-14 | 24.0 | 22.0 | 21.4 | 20.5 | 14.5 | 13.9 | 13.4 | 7.4 | 8.0 | 3.5 | 624 |
| NSO 4815-07 | 48.0 | 15.0 | 45.4 | 13.0 | 7.5 | 6.3 | 5.8 | 6.7 | 7.7 | 2.3 | 936 |
| NSO 4815-11 | 48.0 | 15.0 | 45.4 | 13.0 | 10.8 | 9.6 | 9.1 | 8.3 | 9.4 | 5.5 | 624 |
| 1215-Lid | 12.0 | 15.0 | N/A | N/A | 0.9 | N/A | | 0.9 | | N/A | 31,200 |
| 2415-Lid | 24.0 | 15.0 | N/A | N/A | 0.9 | N/A | | 1.5 | | N/A | 13,780 |

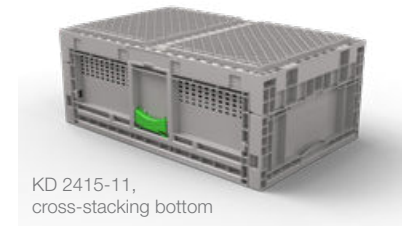
Collapsible Containers



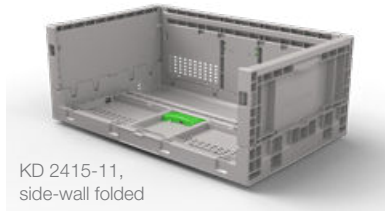
KD 2415-07



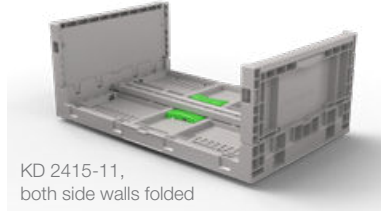
KD 2415-11



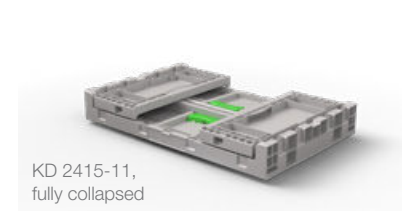
KD 2415-11,
cross-stacking bottom



KD 2415-11,
side-wall folded



KD 2415-11,
both side walls folded



KD 2415-11,
fully collapsed

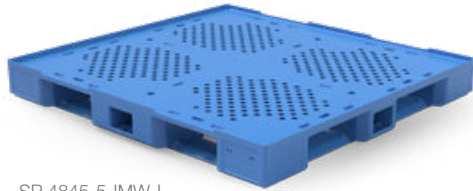


KD 2415-09, side-wall open
with optional dunnage insert

Collapsible Containers

| Model | Outside Dimensions | | Inside Dimensions | | Total Height | Product Clearance | Folded Height | Weight (lbs) | Volume (cubic feet) | Trailer Qty 53' |
|-------------------|--------------------|------|-------------------|------|--------------|-------------------|---------------|--------------|---------------------|-----------------|
| | Top | | Top | | | | | | | |
| | L | W | L | W | | | | | | |
| KD 2415-07 | 23.9 | 15.0 | 22.2 | 13.6 | 7.4 | 6.6 | 2.8 | 5.3 | 1.2 | 6,240 |
| KD 2415-09 | 23.9 | 15.0 | 22.2 | 13.6 | 9.5 | 8.5 | 3.5 | 6.1 | 1.6 | 4,992 |
| KD 2415-11 | 23.9 | 15.0 | 22.2 | 13.6 | 10.9 | 9.9 | 3.5 | 6.5 | 1.8 | 4,992 |

Pallet Systems



SP 4845-5-IMW-I



SP 4845-5-IMW, stacked



NP 4845-6-IM



NP 4845-6-IM, stacked



SP 4845-5-IMW-I, shown with Top Cap and Straight-Wall Containers for optimal cubing

Durable Manufacturing Pallets

| Model | Entry | Outside Dimensions (inches) | | | Weight | Static Load (lbs) | Dynamic Load (lbs) | Nest Ratio | Stack Qty | Trailer Qty 53' |
|-------------------------|-------|-----------------------------|------|-----|--------|-------------------|--------------------|------------|-----------|-----------------|
| | | L | W | H | | | | | | |
| SP 4845-5-IMW-I | 4-Way | 48.0 | 45.0 | 5.0 | 50.0 | 30,000 | 4,000 | 1:1 | 21 | 546 |
| TC 4845-3-IM-II | N/A | 48.0 | 45.0 | 2.6 | 16.0 | N/A | N/A | N/A | 50 | 1,170 |
| NP 4845-6-SF-II | 4-Way | 48.0 | 45.8 | 5.8 | 36.0 | 30,000 | 2,000 | 1.96:1 | 35 | 910 |
| NP 4845-6-IM | 4-Way | 48.0 | 45.0 | 6.0 | 34.6 | 30,000 | 4,000 | 2:1 | 35 | 910 |
| TC 4845-3-IM-III | N/A | 48.9 | 45.9 | 2.6 | 14.1 | N/A | N/A | N/A | 67 | 1,742 |

Monoflo Durable Manufacturing Pallets are not intended to be edge racked.
Contact your Monoflo sales representative to discuss your application and maximum load ratings for all Monoflo products.

Why Choose Monoflo Automotive & Durable Manufacturing Products?

In the demanding supply chains of automotive and durable goods manufacturing, packaging not only needs to keep goods secure while withstanding heavy use, it also needs to help optimize logistics. We engineer our collapsible containers for maximum versatility and enhanced functionality, so manufacturers can improve material handling, inventory control, freight efficiency and value. Constructed with the highest quality injection-molding processes, our collapsible containers deliver consistent, sustainable performance you can trust.

- Designed and manufactured to be AIAG compatible, our hand-held containers offer a wide range of features that provide flexible use for your application.
- Improve handling and significantly reduce costs on inbound freight with easy-to-use foldable functionality.
- Keep pace with evolving storage and transport needs with rapid turnaround times that keep your operations moving smoothly and efficiently.



More reasons Monoflo's offerings make sense for durable manufacturing customers...



Space-Saving Precision | Maximize space with the industry's straightest walls, designed for more precise packaging with dunnage, consistent performance, and repeatability you can trust.



Proven System Partner | Built on decades of expertise in design, engineering and industry-specific applications, our stack-only containers and pallets are trusted by the biggest manufacturers in automotive, durable goods and more.



Fast, Innovative Solutions | With an innovation-driven approach and advanced automated manufacturing, our team delivers reusable packing systems with unmatched quality and industry-leading fulfillment times.



Sustainable Buyback Program | We repurchase our straight-wall containers, bulk containers and pallets at the end of their useful life to recycle them into new, superior-quality containers in our state-of-the-art processing line.

Customization Is Always An Option

We make custom containers, trays and pallets all the time. If you don't see exactly what you need in our existing product line, we will gladly engineer, design and manufacture precisely what you need for your unique system.

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