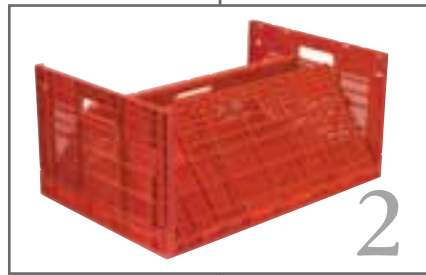
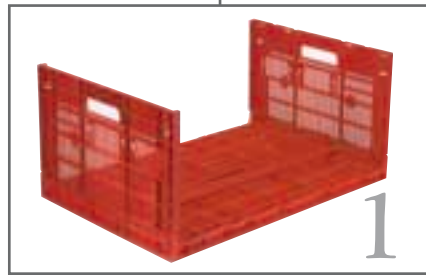




# SmartCrate™

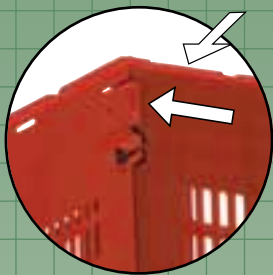
REUSABLE PLASTIC CONTAINERS



**The simple 2-step assembly of IPL's SmartCrate makes it the quickest, most intuitive collapsible RPC ever.**

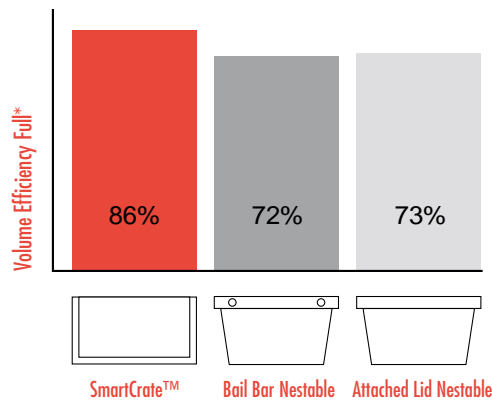
SmartCrate's innovative features were driven by the extreme demands of the produce industry for high volume use of low cost crates, optimized for space utilization full and empty, to achieve savings on long shipping routes. IPL is now introducing a broad line of highly optimized, collapsible RPCs based on this technology for use across all industries.

**To Collapse:**

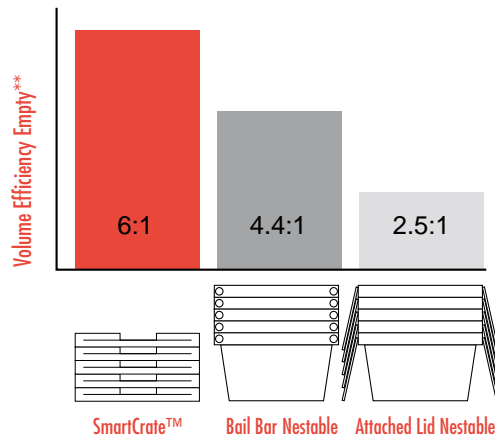


Latches on the endwalls release with light pressure from the thumb or index finger.

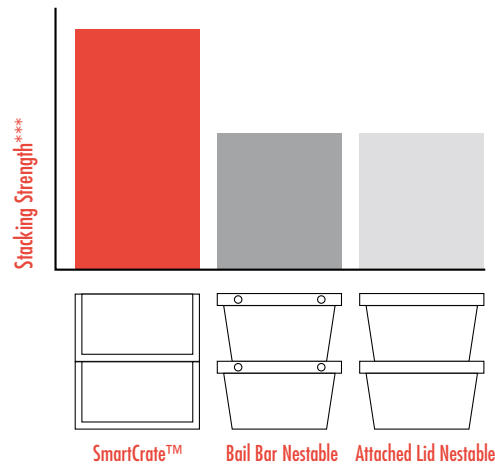




\* % of external volume (L x W x H) available as internal volume.



\*\* Ratio of empty containers to full containers per pallet place on a truck.



\*\*\* Relative compression strength - tested two high.

## High Cube Utilization

Hand-held RPCs are used to replace single use containers to reduce packaging costs and waste. Traditional nestable RPCs have an inherent disadvantage in cube utilization due to space lost with taper required for nesting. SmartCrates overcome this limitation with thin straight walls and in some cases contoured walls to maximize cube utilization, closing the gap with traditional containers.

## High Return Ratio

SmartCrates dramatically reduce storage and return shipping costs by reducing space utilization of empties. All return ratios are not created equal: return ratios for nestable containers are calculated as the ratio of the container height to exposed collar height when nested. This does not take into account the volume occupied by the first container on a stack. In addition to generally larger return ratios than nestables, return ratios for SmartCrates are a true ratio of set up to collapsed height.

## Stacking Strength & Durability

SmartCrates have strength where it counts - in the corners to resist column load in stacking. The vertical walls and reinforced corners of a SmartCrate have far greater stacking strength than nestable containers of similar size. The flexibility of SmartCrates is their strength when it comes to durability. The key to limiting damage in abusive environments is to give with the impact rather than resist it. The modular construction of SmartCrates also reduces maintenance costs.

## 48 x 40 GMA Pallet Compatibility

All SmartCrates are designed to optimize the use of a standard GMA pallet. This further adds to space utilization full and empty.

## Cross-Stacking

Another value adding feature of most IPL SmartCrates is cross-stacking. Cross-stacking features permit much greater interlocking of layers of full crates on a pallet load than simple column stacking available with most other RPCs. This can reduce or eliminate the need for secondary packaging to secure the load.



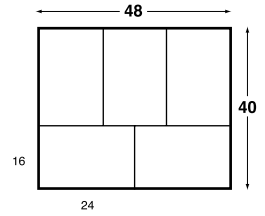
NOTE: SmartCrate data based on SC2416-11, bail bar nestable and attached lid nestable data based on industry leading products of similar sizes. Details available upon request.





## SmartCrate™ 2416 Series

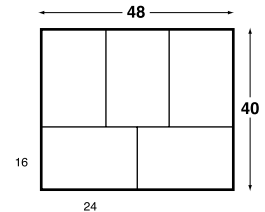
- 24" x 16" footprint fully utilized GMA pallet - 3.5% more interior area than with the metric footprint.
- Solid bottom option for leak containment.
- Fold out option on all 4 walls for point-of purchase display flexibility and cleaning.
- Available snap on lid for all SmartCrate 2416 sizes.



## SmartCrate™ GP64 Series



- Interlocking tabs for compatibility with common footprint corrugated containers.
- Optional RFID tags for enhanced supply chain management.
- Patented ventilation for rapid cooling of perishables.
- Ultra-thin collapsed height for extra space savings empty (GP6411, GP6416, and GP6419).
- Contoured walls for even more cube utilization with bulk filled product.
- Large placard areas for point-of-purchase displays.

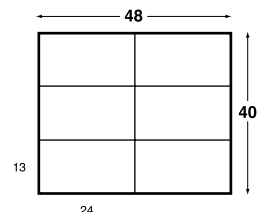


Available for lease or sale through the Georgia-Pacific Corporation.



## SmartCrate™ 2413-10

- Optimized for shipment of 18 dozen whole eggs in all packaging configurations.
- 6 Down 48 x 40 pallet compatibility for efficiency in a wide variety of distribution applications.
- Fully ventilated for enhanced cooling of perishables.
- Not cross-stackable due to even number per layer on a pallet.
- Optional fold-out/removable short wall for point-of-purchase display flexibility.



# INNOVATIVE PLASTIC CONTAINERS FROM IPL

IPL is a leader in the development and manufacturing of innovative reusable plastic containers to suit a wide range of market- and customer-specific requirements. If you are interested in the SmartCrate collapsible technology, but do not see the size or features you require here, please let us know. IPL will work with you to develop a container that will optimize the efficiency of your handling and distribution program.

## IPL SMARTCRATE™ SPECIFICATIONS

SmartCrate Model	Outside Dimensions "Inches, (cm)"			Inside Dimensions "Inches, (cm)"			Collapsed Height Inches (cm)	Return Ratio	Capacity ft <sup>3</sup> (L)	Weight lb. (kg)	Quantity per Pallet Full*	Quantity per Pallet Collapsed**
	L	W	H	L	W	H						
<b>2416-8</b>	24.00 (60.96)	16.00 (40.64)	8.25 (20.96)	23.00 (58.42)	15.00 (38.10)	7.50 (19.05)	2.15 (5.46)	3.8 to 1	1.50 (42.41)	4.72 (2.14)	50	105
<b>2416-11</b>	24.00 (60.96)	16.00 (40.64)	11.25 (28.58)	23.00 (58.42)	15.00 (38.10)	10.50 (26.67)	2.15 (5.46)	5.2 to 1	2.10 (59.37)	5.53 (2.51)	35	105
<b>2416-14</b>	24.00 (60.96)	16.00 (40.64)	13.75 (34.93)	23.00 (58.42)	15.00 (38.10)	13.00 (33.02)	2.15 (5.46)	6.4 to 1	2.60 (73.50)	6.20 (2.81)	30	105
<b>GP 6411</b>	23.62 (60.00)	15.75 (40.00)	5.00 (12.70)	22.62 (57.46)	14.75 (37.46)	4.34 (11.02)	1.40 (3.56)	3.6 to 1	0.85 (24.04)	3.24 (1.47)	85	160
<b>GP 6416</b>	23.62 (60.00)	15.75 (40.00)	7.17 (18.20)	22.62 (57.46)	14.75 (37.46)	6.50 (16.51)	1.40 (3.56)	5.1 to 1	1.28 (36.31)	3.68 (1.67)	60	160
<b>GP 6419</b>	23.62 (60.00)	15.75 (40.00)	7.99 (20.30)	22.62 (57.46)	14.75 (37.46)	7.35 (18.68)	1.40 (3.56)	5.7 to 1	1.45 (41.15)	3.84 (1.74)	50	160
<b>GP 6425</b>	23.62 (60.00)	15.75 (40.00)	10.55 (26.80)	22.62 (57.46)	14.75 (37.46)	9.87 (25.08)	2.09 (5.31)	5.1 to 1	1.94 (55.08)	4.92 (2.23)	40	110
<b>2413-10</b>	24.50 (62.23)	13.30 (33.78)	9.60 (24.38)	23.50 (59.69)	12.30 (31.24)	9.00 (22.86)	2.10 (5.33)	5 to 1	1.51 (42.63)	3.90 (1.77)	48	110

\* Full container stack height is based on a maximum pallet height of 90"

\*\* Collapsed containers are shipped on half high pallets which can be stacked 2 high on dry vans.



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