

Ontario Deposit Return (“ODR”) Containers

Case Piling & Pallet Building

Customer Segment(s):

1. Retail Partner Return Locations.
2. Empty Bottle Dealer Return Locations.
3. Large Volume Licensee Accounts.
4. Commercial Haulers.

Pallet Requirements

- Only TBS Standard Pallets must be utilized for the return of Empties.
- Pallet dimensions are 40” x 48”. Overall height is 5-1/2” high. It is a 9 block hardwood pallet with 4 way entry.
- Broken or damaged pallets must not be utilized for the return of empties. Broken pallets will be picked up by TBS.
- Only one wood pallet must be used per pallet of returns.

ODR Containers greater than 630ml Containers

Case Dimension – TBS supplied knock down carton:

- 15.875 x 11.9375 x 13 (L x W x H)
- Case selection is based on the most popular original purchase case.

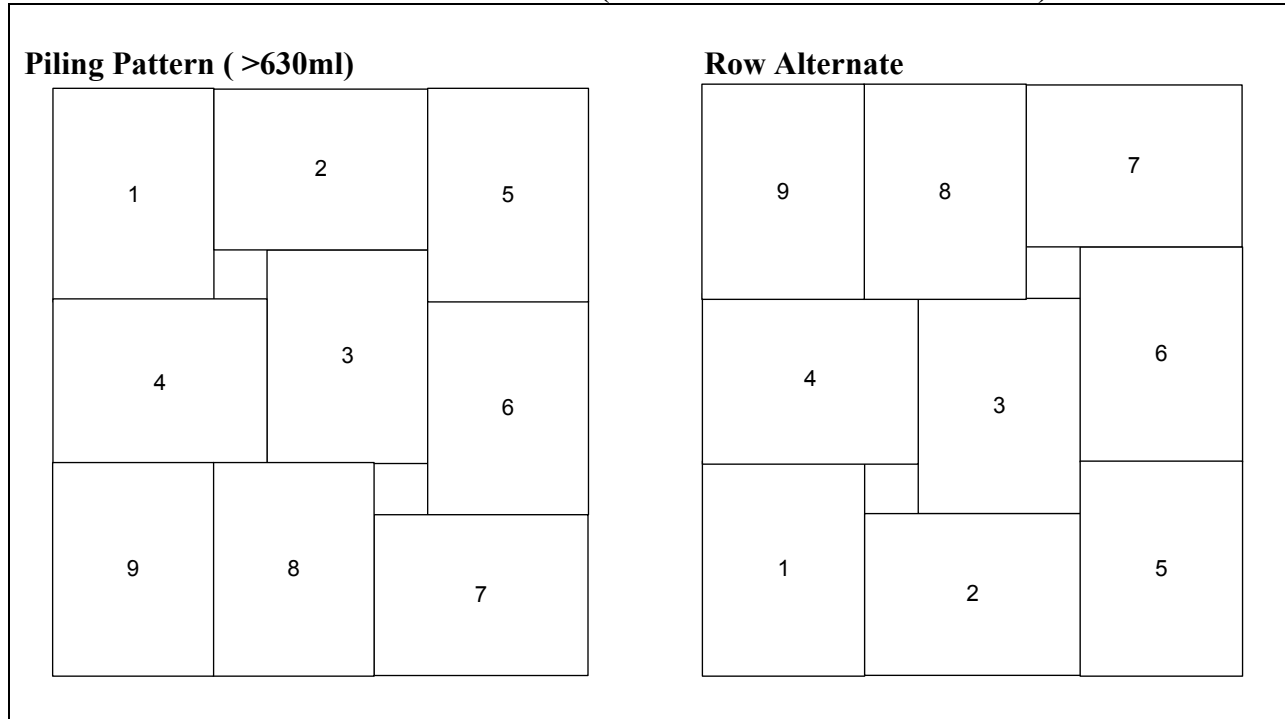
Case Dimension Variations - Original Purchase Cartons:

- Original purchased cartons must be saved and re-used to return ODR containers. These cartons will have various case dimensions.
- Original purchased cartons that hold 12 bottles (or 2 x 6 bottles) must be utilized to return ODR containers.
- Original Purchased cartons containing 6 bottles per carton must be returned in increments of 2 cartons.
- Containers with various bottle heights must be placed into original purchase cartons where containers do not exceed the height of the return carton.

Piling Pattern & Pallet Building:

- Cases must be palletized using the piling pattern listed in Table L-1.
- Row piling pattern must be alternated as depicted in Table L-1.
- When piling various carton sizes, a maximum of nine (9) cases (12 bottles per case) must be placed on each row.
- Two cartons containing 6 bottles per carton may be placed in a case position.
- Each row must be tied to ensure pallet stability.

Table L-1 Pallet Patterns (Containers Greater than 630ml)



ODR Containers less than or equal to 630ml:

Case Dimension – TBS supplied knock-down carton:

- Existing 24 knock down cartons supplied by TBS may be utilized for the return of ODR Empties \leq 630ml.

Case Dimension Variations - Original Purchase Cartons:

- Original purchased cartons must be saved and re-used to return ODR containers. These cartons will have various case dimensions.
- Original purchased cartons that hold 24 bottles must be utilized for the return of LCBO containers.
- Containers with various bottle dimensions must be placed into original purchase cartons where containers do not exceed the height of the return carton.
- Similar height containers may be placed in cartons where the carton is shorter than the bottle height. These cases must **not** be placed on pallet corners.

Piling Pattern & Pallet Building:

- Cartons in this category must be palletized using the piling pattern listed in Table L-2.
- Row piling pattern must be alternated as depicted in Table L-2.
- When piling various carton sizes, a maximum of twelve (12) cases (24 bottles per case) must be placed on each row.

Table L-2 Piling Pattern (Containers less than or equal to 630ml)

Piling Pattern ($\geq 630\text{ml}$)				Row Alternate			
1	4		6	9	10	11	12
2	5		7	3		8	
3	5		8	2		7	
9	10	11	12	1		4	6

Case Piling Technique & Pallet Stability Requirements

- When piling cartons with various heights on a single row, attention must be taken in order to ensure pallet stability when additional rows are added. Cartons may need to be moved to alternate positions (within a row or layer to layer) to stabilize the pallet of returns.
- Containers greater than 630ml will have greater height variations and where possible, these cartons must be placed on top pallet rows to ensure pallet stability.
- Each row must contain containers with the same Deposit Category only. The mixing of \$0.10 containers and \$0.20 containers in cartons on the same row is not permitted.
- The top row of a return pallet may contain cartons with various Deposit Categories and may be returned in less than full row quantities.
- The pallet must be tied on the 4th and top row at a minimum. Each row of cartons containing greater than 630ml containers must be tied at each row.
- Each pallet of returns must be shrink wrapped from the bottom row to the top row.

Maximum Rows per Pallet of Returns

- Refer to table L-3 for pallet return scenarios. The chart lists maximum pallet heights and return row combinations. Pallets of returns must not exceed the listed row combinations.

Table L-3 Pallet Building Combinations

Pallet Scenarios	Rows per Pallet		Pallet Height (Inches)
	Less than or equal to 630ml (24 per case)	Greater than 630ml (12 per case)	
S1	7	0	68.75
S2	6	1	72.5
S3	5	2	76.25
S4	3	3	70.75
S5	2	4	74.5
S6	0	5	69