

Unit Load Design Policy (UL) – Executive Summary

Scope

Policy applies to all new package/ case designs and modifications to existing packages/ cases. If policy compliance is not achieved, then a Unit Load Deviation Approval Request (DAR) must be submitted to Sr. Management in R&D and Logistics Development for approval.

Container/ Case Properties

Case weight (gross):	40 lbs.	Maximum for new or changed products <u>without</u> hand holds or lifting aids
	45 lbs.	Maximum for new or changed products <u>with</u> hand holds or lifting aids
	50 lbs.	Maximum for existing products (unless moved mechanically)
	Case dimensions:	
	36", 22"	Maximum length, width (as oriented on unit load)
	28"	Maximum layer height (as oriented on unit load)

See page 3 of the full Policy for details.

Unit Load Properties (Customer Unit Load)

Pallet Pattern: *All locations must use one standard customer quantity for cases/layer and layers/pallet, for a given item. Actual pallet patterns may vary (depending on the manufacturing plant).*

Unit Load Containment: *All unit loads should be secured with stretchwrap, unless other methods have been approved.*

	<u>Dry/ Unprotected</u>		<u>Temperature Controlled</u>	
Unit Load Footprint				
Standard platform/ pallet size:	40.0" x 48.0"		40.0" x 48.0"	
Max. Allowable Overhang - each direction:	0.0"		0.0"	
Max. Allowable Underhang - each direction:	2.0"		2.0" (i.e., minimum footprint = 38" x 46")	
Allowable Voids/ Gaps (pct of footprint):	5%		5%	
Maximum Corner Void	2.0"		2.0"	
Unit Load Height, with pallet	<u>Multi Stack</u>	<u>Single Stk</u>	<u>Multi Stack</u>	<u>Single Stk</u>
Minimum Height	44.0"	36.0"	41.0"	36.0"
Maximum Height	52.0"	72.0"	48.0"	72.0" (to bottom of top layer)
		84.0"		84.0" (total height, incl. pallet)
Unit Load Weight, with pallet (gross lbs.)				
Minimum Weight	N/A	1,570 lbs	N/A	1,820 lbs
Maximum Weight	1,570 lbs	2,800 lbs	1,820 lbs	2,800 lbs
Unit Load Stackability, with pallet (minimum)				
Warehouse Storage (excl. modules, shprs, PRD)	3 unit loads	1 unit load	2 unit loads	1 unit load
In transit / Shipping	2 unit loads	1 unit load	2 unit loads	1 unit load
Transportation Planning- Truck size	<u>53'</u> (standard)	<u>48'</u>	<u>53'</u> (standard)	<u>48'</u>
Maximum Pallet Positions (pinwheel method)	30 (double)	26 (single)	30 (double)	26 (single)
Maximum Weight (gross lbs, incl. pallets)	45,500		44,500	
Usable Trailer Height (inches) *	108.0		97.0	

See page 3-4 of the full Policy for details.

See page 4-5 of the full Policy for details.

See page 6-7 of the full Policy for details.

* Usable dry trailer height (108") may not be fully utilized due to low dock door clearances.