

Automation Trays

Optimize your intralogistics with Monoflo's precision-engineered reusable packaging solutions for automated storage and retrieval systems (AS/RS). Built for durability, repeatability and seamless system integration, our injection-molded solutions deliver high performance, advanced tracking capabilities and long-lasting reliability to meet your unique automated storage, retrieval and material handling requirements.

Model	Outside Dimensions (mm)			Inside Dimensions (mm)			Pallet Size	Weight (kg)	Pallet Qty	Trailer Quantity 53'
	L	W	H	L	W	H				
ASRS 3550-49	350.0	500.0	49.0	349.0	499.0	24.5	42x53	0.832	664	17,264
ASRS 3555-49	350.0	550.0	48.0	332.0	532.0	24.5	42x53	0.875	650	16,380
ASRS 5070-49	499.0	699.0	48.0	481.0	681.0	24.5	48x40	1.675	249	6,474
ASRS 5570-49	550.0	700.0	48.0	532.0	682.0	24.5	48x40	1.736	350	9,020
ASRS 6040-79	600.0	400.0	79.5	572.0	372.0	66.6	48x40	1.2	185	5,550
ASRS 6040-120 9-PIN	600.0	400.0	120.0	565.0	365.0	108.0	48x40	1.641	115	3,450
ASRS 6040-150 9-PIN	600.0	400.0	150.0	565.0	365.0	138.0	48x40	1.791	90	2,340
ASRS 6040-180 9-PIN	600.0	400.0	180.0	565.0	365.0	168.0	48x40	1.97	75	1,950
ASRS 6343-79 W	628.0	428.0	81.0	593.0	393.0	64.8	51.5x49.5	1.9	210	5,040
ASRS 6545-79	650.0	450.0	79.5	622.0	422.0	66.6	53x43	1.45	185	4,810
ASRS 6747-80 H	670.0	470.0	80.0	644.0	444.0	60.0	48x45	1.698	152	3,952
ASRS 8060-80	798.0	598.0	80.0	757.0	557.0	64.0	48x32	2.432	72	2,808
ASRS 6040 Lifter Plate	570.0	370.0	12.0	n/a	n/a	n/a	n/a	0.825	n/a	n/a
ASRS 6545 Lifter Plate	650.0	450.0	12.0	n/a	n/a	n/a	n/a	0.95	n/a	n/a
ASRS 8060 Lifter Plate	751.0	550.0	12.0	n/a	n/a	n/a	n/a	1.558	n/a	n/a

AutoStore™ Bins

Monoflo is the leading licensed supplier of AutoStore™ bins in North America, with more manufacturing capacity and delivered bins than any other supplier and industry-leading delivery times. We precision-engineer each AutoStore™ bin to seamlessly integrate with any modular AutoStore™ system and deliver years of use with hundreds of thousands of movements. Choose from several material options, including HDPE for standard applications, polypropylene for overseas shipping and polypropylene-ESD for anti-static applications. Precise, efficient and available with Monoflo's Reusable Packaging System (RPS) to minimize freight cost, our AutoStore bins are optimized for high-performance intralogistics environments.

PRODUCT SPECIFICATIONS

Model	Outside Dimensions (mm)			Inside Dimensions (mm)			Volume	Weight (kg)	Trailer Quantity 53'
	L	W	H	L	W	H			
AS 6545-220	650.0	450.0	220.0	603.0	424.0	202.0	51.65	3.52	1,430
AS 6545-330	650.0	450.0	330.0	603.0	424.0	312.0	79.77	4.42	1,300
AS 6545-425	650.0	450.0	425.0	603.0	424.0	404.0	103.3	5.83	780

Reusable Packaging System

Product	Bin Height	Bins per Pallet	Interlocks per Pallet	Spacers per Pallet	Pallets per 53' Trailer
AS12522	220	55	200	N/A	26
AS12523	330	50	60	30	26
AS15346	425	30	100	N/A	26

Foldable Stack-Only Automation Containers

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Model	Outside Dimensions (mm)			Inside Dimensions (mm)			Folded Height	Pallet Size	Weight (kg)	Pallet Qty	Trailer Quantity 53'
	L	W	H	L	W	H					
FSO 6545-320	650.0	450.0	320.0	610.0	410.0	304.0	88.5	53x43.5	3.4	170	4,420
FSO 6545-325	650.0	450.0	325.0	610.0	410.0	309.0	88.5	53x43.5	3.45	170	4,420

Knockdown Automation Containers

Model	Outside Dimensions (mm)			Inside Dimensions (mm)			Pallet Size	Weight (kg)	Pallet Qty	Trailer Quantity 53'
	L	W	H	L	W	H				
KD 6040-285	600.0	400.0	285.0	566.0	366.0	269.0	48x40	3.113	160	4,800
KD 6040-320	600.0	400.0	325.0	566.0	366.0	304.0	48x40	3.3	170	5,100

Return Collapsible Containers

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Model	Outside Dimensions (mm)			Inside Dimensions (mm)			Pallet Size	Weight (kg)	Pallet Qty	Trailer Quantity 53'
	L	W	H	L	W	H				
RC 6040-285	600.0	400.0	285.0	541.0	365.8	260.0	48x40	3.179	160	4,800

Stack-And-Nest Automation Containers

Model	Outside Dimensions (mm)			Inside Dimensions (mm)			Pallet Size	Weight (kg)	Pallet Qty	Trailer Quantity 53'
	L	W	H	L	W	H				
SN 6040-270	600.0	400.0	270.0	490.0	340.0	249.0	48x40	1.969	160	4,800
SN 6040-375	600.0	400.0	375.0	538.0	370.0	369.0	48x40	2.4	160	4,800

Stack-Only Automation Containers

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PRODUCT SPECIFICATIONS

Model	Outside Dimensions (mm)			Inside Dimensions (mm)			Pallet Size	Weight (kg)	Pallet Qty	Trailer Quantity 53'
	L	W	H	L	W	H				
SO 6040-120 H	600.0	400.0	120.0	565.0	365.0	104.0	48x40	1.612	115	3,450
SO 6040-150 H	600.0	400.0	150.0	565.0	365.0	134.0	48x40	1.761	90	2,340
SO 6040-180 H	600.0	400.0	180.0	565.0	365.0	164.0	48x40	1.941	75	1,950
SO 6040-220 DB	599.0	400.0	220.0	564.0	365.0	200.0	48x40	2.095	60	1,800
SO 6040-220 H	600.0	400.0	220.0	565.0	365.0	204.0	48x40	2.37	60	1,800
SO 6040-220 W	600.0	400.0	220.0	565.0	365.0	205.6	48x40	2.591	60	1,800
SO 6040-270 H	600.0	400.0	270.0	565.0	365.0	254.0	48x40	2.572	50	1,500
SO 6040-270 W	600.0	400.0	270.0	565.0	365.0	255.6	48x40	2.583	50	1,500
SO 6040-314 H	600.0	400.0	314.0	565.0	365.0	298.0	48x40	2.79	40	1,200
SO 6040-320 DB	599.0	400.0	321.0	564.0	365.0	301.0	48x40	2.525	60	1,800
SO 6040-320 H	600.0	400.0	320.0	565.0	365.0	304.0	48x40	2.915	60	1,800
SO 6040-320 W	600.0	400.0	320.0	565.0	365.0	305.6	48x40	2.894	60	1,800
SO 6040-325 DB	599.0	400.0	325.0	564.0	365.0	305.0	48x40	2.54	55	1,650
SO 6040-325 H	600.0	400.0	325.0	565.0	365.0	309.0	48x40	3.037	55	1,650
SO 6040-325 W	600.0	400.0	325.0	565.0	365.0	310.6	48x40	3.048	55	1,650
SO 6040-400 H	600.0	400.0	400.0	565.0	365.0	384.0	48x40	3.268	30	900
SO 6343-150 W	628.0	428.0	150.0	596.0	396.0	135.8	51.5x49.5	2.488	108	2,592
SO 6343-250 W	628.0	428.0	250.0	596.0	396.0	235.8	51.5x49.5	3.16	60	1,440
SO 6545-220 H	648.0	448.0	220.0	613.0	413.0	204.0	42x53	2.741	60	1,500
SO 6545-220 W	648.0	448.0	220.0	613.0	413.0	205.6	42x53	2.748	60	1,500
SO 6545-325 H	648.0	448.0	323.0	613.0	413.0	307.0	42x53	3.30	40	1,000
SO 6545-325 W	648.0	448.0	323.0	613.0	413.0	308.6	42x53	3.36	40	1,000
SO 8060-400 H	798.0	598.0	398.0	748.0	548.0	379.0	48x40	5.623	16	480