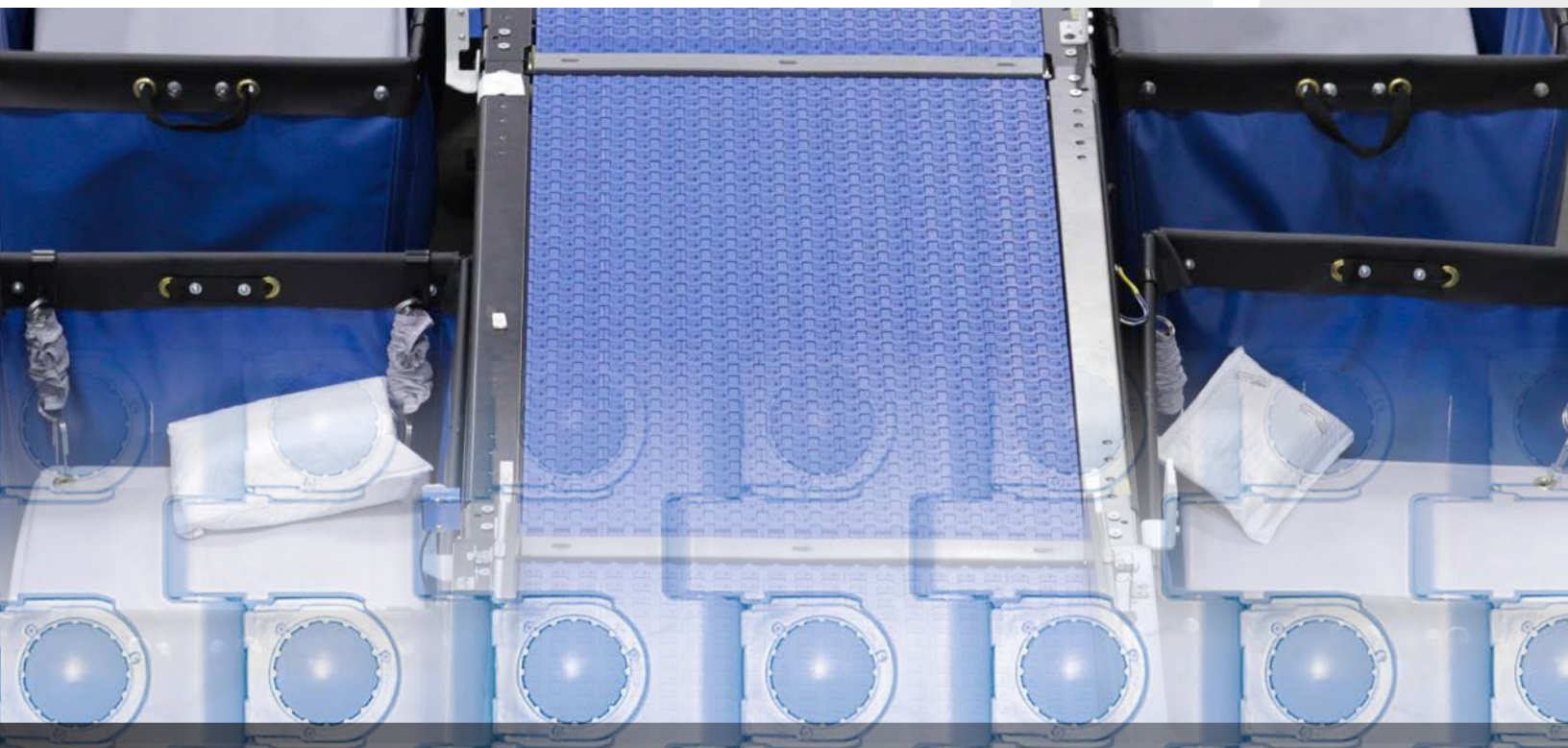
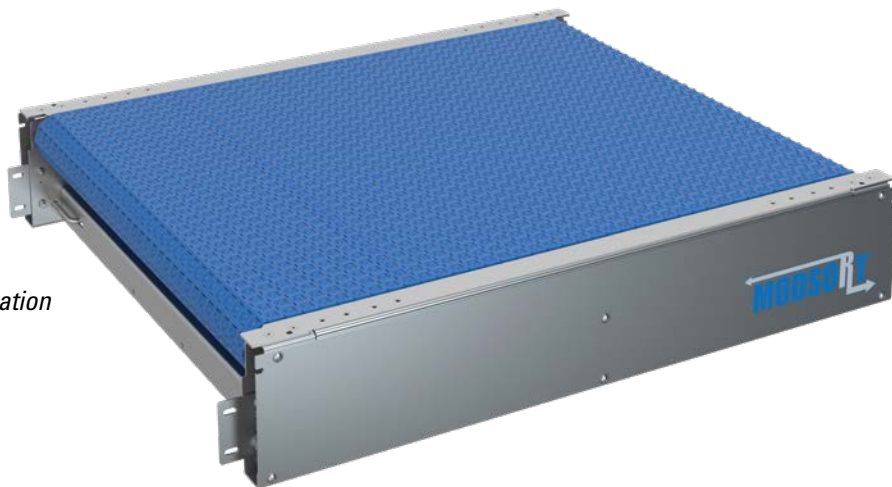




Modsort™ Product Range North America

STANDARD | MULTI-DIVERT |
INTERMEDIATE & ACCESSORIES



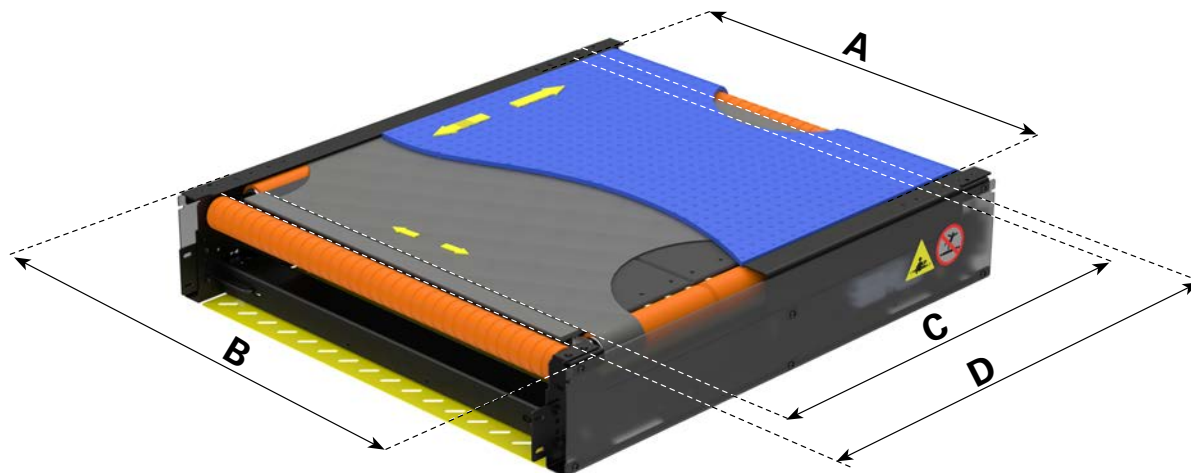
PATENTED. For more information
visit www.modsort.com



MODSORT™

STANDARD VERSION

The ModSort™ standard module is a 24-Volt motorized driven roller (MDR) based right angle transfer and/or diverter station. It integrates easily with other MDR-based conveyors and can also be used to integrate with more traditional conveyor types, providing all interlocks and control links are properly established. The ModSort standard module is designed to handle any kind of package, from small packages like polybags to medium-sized traditional packages. The ModSort standard module can be installed as a true right-angle transfer or it can be utilized as an on-the-fly diverter station.



MODSORT TRANSFER MODULE SIZES

ITEM DESCRIPTION COMPLETE UNIT	Size	LENGTH	NOMINAL WIDTH B.F. "A"	OVERALL WIDTH OW "B"	DIVERT ZONE LENGTH "C"	TRANSFER ZONE "D"	HEIGHT FRAME
CONTROL CARD RIGHT SIDE		inch (mm)					
MOD-30X16-1XSSER9005LSRR25-45	1	30 (762)	16 (406)	20 (500)	21 (530)	24 (620)	8 (202)
MOD-30X22-1XSSER9005LSRR25-45	2	30 (762)	22 (559)	26 (653)	21 (530)	24 (620)	
MOD-36X16-1XSSER9005LSRR25-45	3	36 (914)	16 (406)	20 (500)	27 (682)	30 (762)	
MOD-36X22-1XSSER9005LSRR25-45	4	36 (914)	22 (559)	26 (653)	27 (682)	30 (762)	
MOD-36X28-1XSSER9005LSRR25-45	5	36 (914)	28 (711)	32 (805)	27 (682)	30 (762)	
MOD-42X22-1XSSER9005LSRR25-45	6	42 (1,066)	22 (559)	26 (653)	33 (834)	36 (914)	
MOD-42X28-1XSSER9005LSRR25-45	7	42 (1,066)	28 (711)	32 (805)	33 (834)	36 (914)	
MOD-42X34-1XSSER9005LSRR25-45	8	42 (1,066)	34 (864)	38 (958)	33 (834)	36 (914)	

Conveylinx Ai2, Networked ERSC or EZ24 Option

ER = ERSC; EZ=EZ-24; and AI=Ai2

RR = Right Side Controls, LL= Left Side Controls

Divert Zone: The effective area of the divert belt.

Transfer Zone: The effective area of support of the RT belt (includes the support plates).

WHAT YOU NEED TO KNOW

WHAT STANDARD MODSORT™ DOES

- ✓ **Receives product**
- ✓ **Passes product straight through**
- ✓ **Diverts product left or right**
- ✓ **Can be used to divert in two different modes:**
 - Stop and divert full 90 degrees
 - Divert on the fly (blended vector angle)

HOW IT WORKS

System Plast™ 2253 Roller Top Belt (blue) is used as a transfer belt to receive and pass product through or when the divert belt is activated and diverts packages. Both belts are driven by industry standard MDR Technology, with a Regal Rexnord™ proprietary design lag coating.

BENEFITS

- ✓ **Flexible**
 - Modular design can be easily integrated into existing conveyor systems and units can be rearranged for flexibility in changing layouts
 - Ability to convey a wide array of products
 - Run smaller packages and polybags without the “gaps” that are associated with pop-up transfer modules
 - High resolution package control
- ✓ **Utilizes unique System Plast 2253 RT Belt technology for optimum precision**
- ✓ **Safe**
 - No pushers needed, reducing risk of worker injury and product damage
 - Low voltage (24VDC, no conduit required)
 - Low noise (< 72 dB)
- ✓ **Low operating cost**
 - Easy maintenance through minimum spare parts requirements
 - Energy savings as high as 50%- 60% compared to traditional conveyors

APPLICATION CONSIDERATIONS

Max. Throughput: 2,400 pph

Capacity Live Load - WEIGHT Lbs. (Kg): Min. 2.2 (0,1) - Max. 50 (22,7)

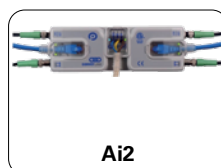
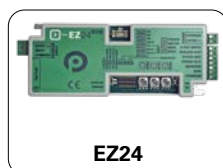
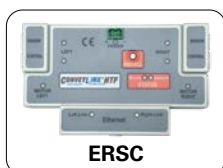
Heavy Duty Available: Contact ModSort Engineering for Details: Modsort.Engineering@regalrexnord.com

Noise @ Max. Speed: < 72 dB

Control Card - Networked ERSC/Ai2:

- Discrete program capability
- Interfaces to PLC via Ethernet/IP™* / Modbus®* / Profinet®*
- Control two MDR's per card
- Change motor parameters on the fly

Control Card Position: Right side, referring to RT drive roller (travel direction). Left version is also available.

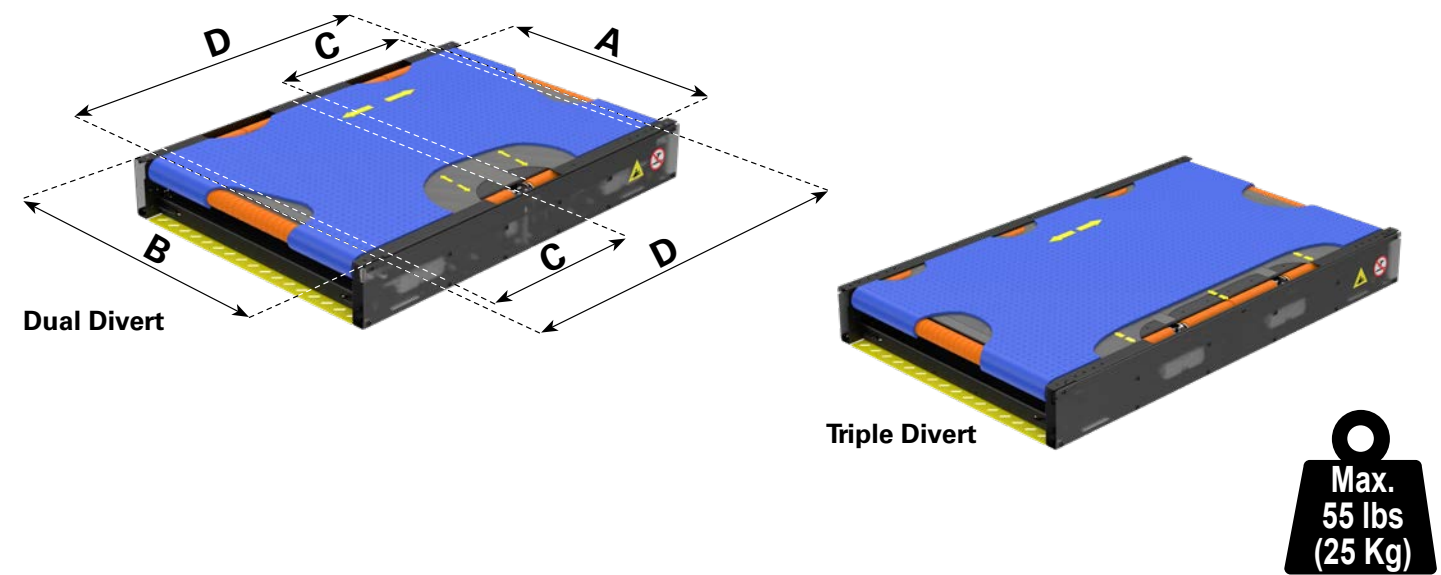


* The following are believed to be the trademarks and/or trade names of their respective owners and are not owned or controlled by Regal Rexnord Corporation.
EtherNet/IP: ODVA, Inc.; Modbus: Schneider Automation; Profinet: Profibus Nutzerorganisation e.V.

MULTI-DIVERT

The ModSort™ Multi-Divert Module is a 24-Volt motorized driven roller (MDR) based right angle transfer and/or diverter station. It integrates easily with other MDR-based conveyors and can also be used to integrate with more traditional conveyor types, providing all interlocks and control links are properly established. This module is designed to handle smaller, more problematic packages such as polybags and small packages, but it can also handle more traditional boxes. The ModSort Multi-Divert Modules can be installed as true right-angle transfers or they can be utilized as on-the-fly diverter stations.

The Multi-Divert version is designed to manage up to 55 Lbs. (24, 95 Kg) both as carriable weight on the whole unit and for each diverter.



MODSORT MULTI-DIVERT TRANSFER MODULE SIZES						
ITEM DESCRIPTION COMPLETE UNIT	LENGTH	NOMINAL WIDTH B.F. "A"	OVERALL WIDTH OW "B"	DIVERT ZONE LENGTH "C"	TRANSFER ZONE "D"	HEIGHT FRAME
	inch (mm)					
DUAL DIVERT						
MOD-48X22-2XDSER9005LSRR25-45	48 (1,219)	22 (559)	26 (653)	18 inch - each divert zone (475 mm)	42 (1,066)	8 (200)
MOD-48X28-2XDSER9005LSRR25-45	48 (1,219)	28 (711)	32 (805)		42 (1,066)	
MOD-48X34-2XDSER9005LSRR25-45	48 (1,219)	34 (864)	38 (965)		42 (1,066)	
MOD-48X37-2XDSER9005LSRR25-45	48 (1,219)	37 (939)	41 (1,041)		42 (1,066)	
MOD-56X28-2XDSER9005LSRR25-45	56 (1,422)	28 (711)	32 (805)	22 inch - each divert zone (555 mm)	50 (1,275)	
MOD-56X34-2XDSER9005LSRR25-45	56 (1,422)	34 (864)	38 (958)		50 (1,275)	
MOD-56X37-2XDSER9005LSRR25-45	56 (1,422)	36 (922)	40 (1,029)		50 (1,275)	
TRIPLE DIVERT						
MOD-66X34-3XDSER9005LSRR25-45	66 (1,676)	34 (864)	38 (965)	17.7 inch - each divert zone (449 mm)	62 (1,575)	8 (200)
MOD-66X37-3XDSER9005LSRR25-45	66 (1,676)	37 (939)	41 (1,041)		62 (1,575)	

Networked ERSC or Conveylinx Ai2

ER = ERSC; EZ=EZ-24; and AI=Ai2

RR = Right Side Controls, LL= Left Side Controls

Divert Zone: The effective area of the divert belt.
Transfer Zone: The effective area of support of the RT belt (includes the support plates).

WHAT YOU NEED TO KNOW

WHAT MULTI-DIVERT MODSORT™ DOES

- ✓ **Receives product**
- ✓ **Passes product straight through**
- ✓ **Diverts product left or right**
- ✓ **Can be used to divert in two different modes:**
 - Stop and divert full 90 degrees
 - Divert on the fly (blended vector angle)

HOW IT WORKS

System Plast™ 2253 Roller Top Belt (blue) is used as a transfer belt to receive and pass product through or when the divert belt is activated and diverts packages. Both belts are driven by industry standard MDR Technology, with a Regal Rexnord™ proprietary design lag coating.

BENEFITS

- ✓ **Designed for handling smaller, more problematic packages such as polybags and small packages**
- ✓ **Provides active transfer zones through multiple divert assemblies**
- ✓ **Flexible**
 - Modular design can be easily integrated into existing conveyor systems and units can be rearranged in case of changing layouts
 - Ability to convey a wide array of products
 - Run smaller packages and polybags without the “gaps” that are associated with pop-up transfer modules
 - High resolution package control
- ✓ **Utilizes unique System Plast 2253 RT Belt technology for optimum precision**
- ✓ **Safe**
 - No pushers needed, reducing risk of worker injury and product damage
 - Low voltage (24VDC, no conduit required)
 - Low noise (< 72 dB)
- ✓ **Low operating cost**
 - Easy maintenance through minimum spare parts requirements
 - Energy savings as high as 50%- 60% compared to traditional conveyors

APPLICATION CONSIDERATIONS

Max. Throughput: 4,500 pph calculated on a 15” (381 mm) long parcel

Capacity Live Load Per Package - WEIGHT Lbs. (Kg): Min. 2.2 (0,1) - Max. 55 (25)

Noise @ Max. Speed: < 72 dB

Heavy Duty Available: Contact ModSort Engineering for Details

Control Card - Networked ERSC/Ai2

- Discrete program capability
- Interfaces to PLC via Ethernet/IP™*
- Control two MDR's per card
- Change motor parameters on the fly

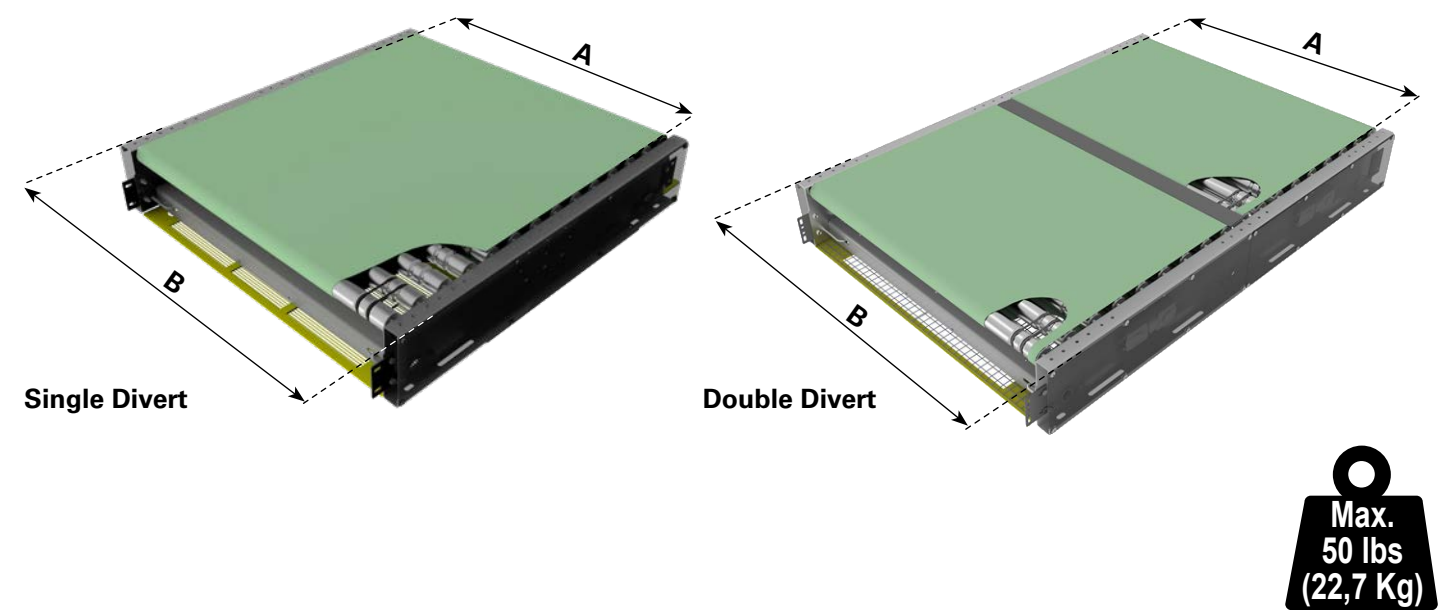
Control Card Position: Right side, referring to RT drive roller (travel direction)



* EtherNet/IP is believed to be the trademark and/or trade names of ODVA, Inc. and is not owned or controlled by Regal Rexnord Corporation.

INTERMEDIATE MODULE

The intermediate module is 24-Volt motorized belt conveyor actuated by a motorized driver roller (MDR). It integrates with all ModSort™ modules and can have multiple zones inside one frame. The module is designed for interconnecting two ModSort units, with the possibility of managing the correct gap between products for an effective sort or divert.



MODSORT INTERMEDIATE TRANSFER MODULE SIZES				
ITEM DESCRIPTION COMPLETE UNIT	LENGTH	NOMINAL WIDTH B.F. "A"	OVERALL WIDTH OW "B"	HEIGHT FRAME
	inch (mm)			
INT-S-24x16B1SAI9005LSR75	24 (610)	16 (406)	20 (508)	8 (203)
INT-S-24x22B1SAI9005LSR75		22 (559)	26 (660)	
INT-S-24x28B1SAI9005LSR75		28 (711)	32 (813)	
INT-S-24x34B1SAI9005LSR75		34 (864)	38 (965)	
INT-S-24x37B1SAI9005LSR75		37 (940)	41 (1,041)	
INT-S-30x16B1SAI9005LSR75	30 (762)	16 (406)	20 (508)	8 (203)
INT-S-30x22B1SAI9005LSR75		22 (559)	26 (660)	
INT-S-30x28B1SAI9005LSR75		28 (711)	32 (813)	
INT-S-30x34B1SAI9005LSR75		34 (864)	38 (965)	
INT-S-30x37B1SAI9005LSR75		37 (940)	41 (1,041)	
INT-S-36x16B1SAI9005LSR75	36 (914)	16 (406)	20 (508)	8 (203)
INT-S-36x22B1SAI9005LSR75		22 (559)	26 (660)	
INT-S-36x28B1SAI9005LSR75		28 (711)	32 (813)	
INT-S-36x34B1SAI9005LSR75		34 (864)	38 (965)	
INT-S-36x37B1SAI9005LSR75		37 (940)	41 (1,041)	

Ai2 and ERSC Available, Ai2 and ERSC Codes,
R = Right Side Control, L = Left Side Controls

WHAT YOU NEED TO KNOW

WHAT INTERMEDIATE MODULE DOES

- ✓ **Receives product**
- ✓ **Passes product straight through**
- ✓ **Provides a slowdown or acceleration of the product**
- ✓ **Maintains proper product gapping**

HOW IT WORKS

When activated, one or two independent belt conveyor(s) made in polyurethane slow down the product to provide the correct distance for effective sorting.

BENEFITS

- ✓ **Flexible**
 - Modular design can be easily integrated into existing conveyor systems and units can be rearranged in case of changing layouts
 - Specifically designed for providing the correct distance between the parcels for effective sorting
 - Ability to convey a wide array of products
 - High resolution package control
- ✓ **Safe**
 - Low voltage (24VDC, no conduit required)
 - Low noise (< 70 dB)
- ✓ **Low operating cost**
 - Easy maintenance through minimum spare parts requirements
 - Energy savings as high as 50%- 60% compared to traditional conveyors

APPLICATION CONSIDERATIONS

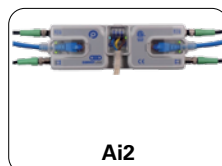
Capacity Live Load - WEIGHT Lbs. (Kg): Min. 0.1 (0,1) - Max. 50 (22)

Heavy Duty Available: Contact ModSort Engineering for Details

Noise @ Max. Speed: 70 dB

Control Card - Networked ERSC:

- Discrete program capability
- Interfaces to PLC via Ethernet/IP™*
- Control two MDR's per card
- Change motor parameters on the fly

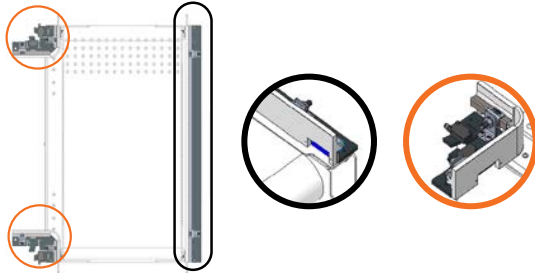


* EtherNet/IP is believed to be the trademark and/or trade names of ODVA, Inc. and is not owned or controlled by Regal Rexnord Corporation.

ACCESSORIES

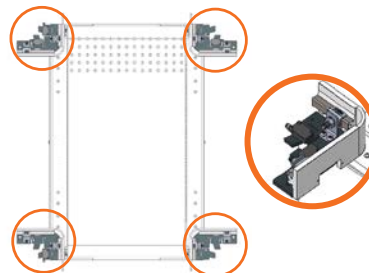
SIDE GUIDE KITS (INCLUDING PHOTO-EYE)

SINGLE DIVERT



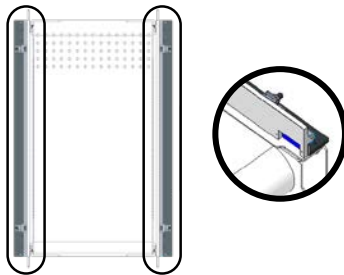
ITEM DESCRIPTION	MODSORT™ MODULE SIZE	TAKE-AWAY WIDTH	TRANSFER LENGTH
		inch (mm)	
MODSORT-SGK-30-16TAW-S	1, 2	16 (406)	30 (762)
MODSORT-SGK-30-22TAW-S	1, 2	22 (559)	30 (762)
MODSORT-SGK-36-16TAW-S	3, 4, 5	16 (406)	36 (914)
MODSORT-SGK-36-22TAW-S	3, 4, 5	22 (559)	36 (914)
MODSORT-SGK-36-28TAW-S	3, 4, 5	28 (711)	36 (914)
MODSORT-SGK-42-22TAW-S	6, 7, 8	22 (559)	42 (1,066)
MODSORT-SGK-42-28TAW-S	6, 7, 8	28 (711)	42 (1,066)
MODSORT-SGK-42-34TAW-S	6, 7, 8	34 (864)	42 (1,066)

DOUBLE DIVERT



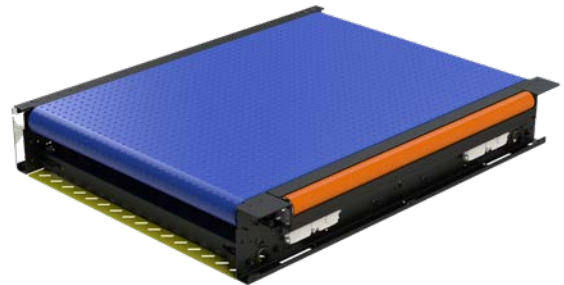
ITEM DESCRIPTION	MODSORT™ MODULE SIZE	TAKE-AWAY WIDTH	TRANSFER LENGTH
		inch (mm)	
MODSORT-SGK-30-16TAW-D	1, 2	16 (406)	30 (762)
MODSORT-SGK-30-22TAW-D	1, 2	22 (559)	30 (762)
MODSORT-SGK-36-16TAW-D	3, 4, 5	16 (406)	36 (914)
MODSORT-SGK-36-22TAW-D	3, 4, 5	22 (559)	36 (914)
MODSORT-SGK-36-28TAW-D	3, 4, 5	28 (711)	36 (914)
MODSORT-SGK-42-22TAW-D	6, 7, 8	22 (559)	42 (1,066)
MODSORT-SGK-42-28TAW-D	6, 7, 8	28 (711)	42 (1,066)
MODSORT-SGK-42-34TAW-D	6, 7, 8	34 (864)	42 (1,066)

NO DIVERT



ITEM DESCRIPTION	MODSORT™ MODULE SIZE	TRANSFER LENGTH
		inch (mm)
MODSORT-SGK-30-0TAW	1, 2	30 (762)
MODSORT-SGK-30-0TAW-BEAD-S	1, 2	30 (762)
MODSORT-SGK-30-0TAW-BEAD-D	1, 2	30 (762)
MODSORT-SGK-36-0TAW	3, 4, 5	36 (914)
MODSORT-SGK-36-0TAW-BEAD-S	3, 4, 5	36 (914)
MODSORT-SGK-36-0TAW-BEAD-D	3, 4, 5	36 (914)
MODSORT-SGK-42-0TAW	6, 7, 8	42 (1,066)
MODSORT-SGK-42-0TAW-BEAD-S	6, 7, 8	42 (1,066)
MODSORT-SGK-42-0TAW-BEAD-D	6, 7, 8	42 (1,066)

HELPER ROLLERS



ITEM DESCRIPTION	TRANSFER LENGTH
	inch (mm)
HELPER ROLLER ASM FOR 30L	30 (762)
HELPER ROLLER ASM FOR 36L	36 (914)
HELPER ROLLER ASM FOR 42L	42 (1,066)
HELPER ROLLER ASM FOR 48L	48 (1,219)

*Does not Include Additional Motor Controller

ACCESSORIES

ADJUSTABLE LEG KIT (2-SIDE, BOLTS AND FEET INCLUDED)

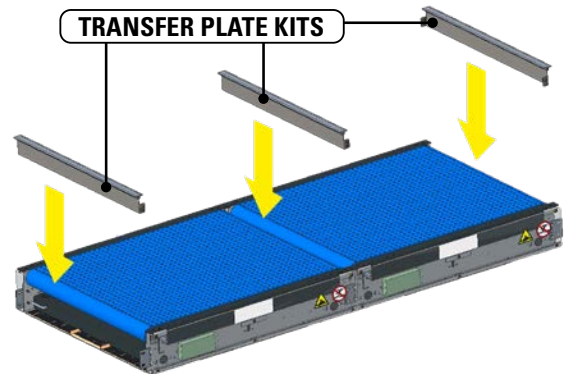
ITEM DESCRIPTION	ACCEPTABLE BETWEEN FRAME WIDTHS	TOP OF CONVEYOR HEIGHT RANGE*
		inch
FF-FSA-1319-1530BFW	16-28 inch	21-27
FF-FSA-1727-1530BFW		25-35
FF-FSA-2441-1530BFW		32-49
FF-FSA-3461-1530BFW		42-69
FF-FSA-4685-1530BFW		54-93
FF-FSA-1319-2840BFW	28-37 inch	21-27
FF-FSA-1727-2840BFW		25-35
FF-FSA-2441-2840BFW		32-49
FF-FSA-3461-2840BFW		42-69
FF-FSA-4685-2840BFW		54-93



* Height inclusive of Leg Kit + Standard ModSort™ Unit

TRANSFER PLATE KIT (SUPPORT FRAME AND FIXING BOLTS INCLUDED)

ITEM DESCRIPTION	BETWEEN FRAME WIDTH	TOTAL HEIGHT	TRANSFER PLATE WIDTH
	inch (mm)		
INT-MOD-MOD-TRN-PLT-16BF	16 (406)	3.4 (86,5)	1.57 (40)
INT-MOD-MOD-TRN-PLT-22BF	22 (559)		
INT-MOD-MOD-TRN-PLT-28BF	28 (711)		
INT-MOD-MOD-TRN-PLT-34BF	34 (864)		
INT-MOD-MOD-TRN-PLT-37BF	37 (940)		

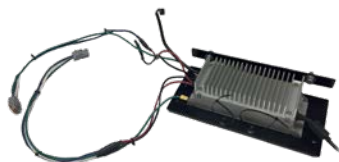


END GUARD PARTS

BETWEEN FRAME WIDTHH	PLAIN END GUARDS		END GUARDS WITH GUIDE RAIL	
inch (mm)	ITEM DESCRIPTION		ITEM DESCRIPTION	
16 (406)	END-GUARD-ASM-16BF		END-GUARD-ASM-16BF-NOLU-SD	
22 (559)	END-GUARD-ASM-22BF		END-GUARD-ASM-22BF-NOLU-SD	
28 (711)	END-GUARD-ASM-28BF		END-GUARD-ASM-28BF-NOLU-SD	
34 (864)	END-GUARD-ASM-34BF		END-GUARD-ASM-34BF-NOLU-SD	
37 (940)	END-GUARD-ASM-37BF		END-GUARD-ASM-37BF-NOLU-SD	

POWER SUPPLY KIT

ITEM DESCRIPTION
MODSORT-PS-400W



The MODSORT logo is located in the top left corner. It features the word "MODSORT" in a bold, blue, sans-serif font, with a small trademark symbol (TM) to its upper right. The logo is set against a background of light gray, semi-transparent geometric shapes, including squares and rectangles, some of which are slightly offset from each other, creating a layered effect.

MODSORT™

NOTES:

NOTES:





Contact our Experts!

Modsort.Engineering@regalrexnord.com for North America

SystemPlastTechSupport@regalrexnord.com for EU and ROW



MODSORT™

Regal Rexnord

Customer Service: 800-626-2120

Technical Service: 800-626-2093

modsort.sales@regalrexnord.com

regalrexnord.com

The proper selection and application of products and components, including assuring that the product is safe for its intended use, are the responsibility of the customer. To view our Application Considerations, please visit <https://www.regalrexnord.com/Application-Considerations>.

To view our Standard Terms and Conditions of Sale, please visit <https://www.regalrexnord.com/Terms-and-Conditions-of-Sale> (which may redirect to other website locations based on product family).

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