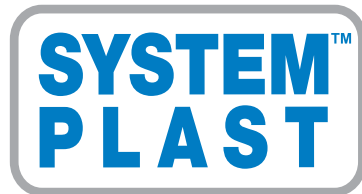
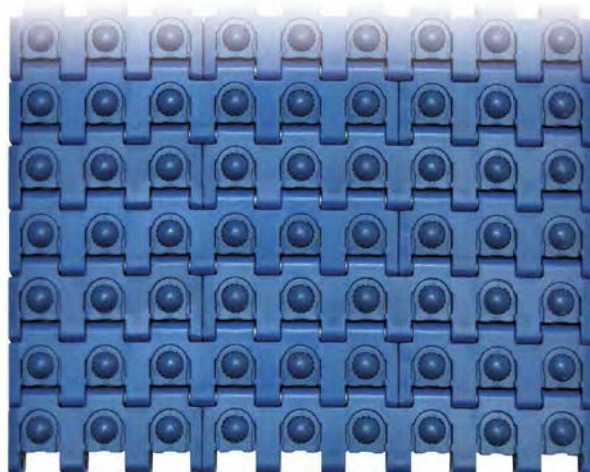


New



Multidirectional Roller Top



October 2012



EMERSON
Industrial Automation

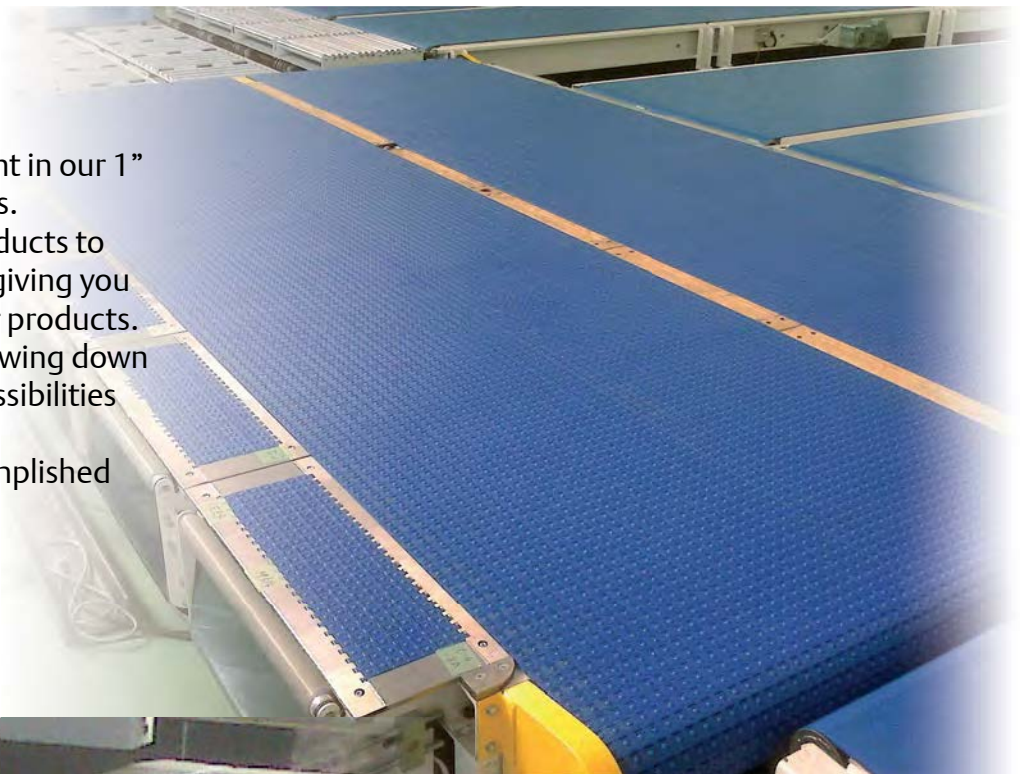
EMERSON. CONSIDER IT SOLVED.™

2253 Roller Top Belt

The 2253 RT is a new development in our 1" pitch, 8,7 mm thick modular belts.

The design of this belt allows products to move in any direction you want, giving you extensive flexibility to orient your products. Speeding up, opening gaps or slowing down to close gaps, are some of the possibilities with our Roller Top Belt.

Product positioning can be accomplished smoothly and effortlessly.



Materials

System Plast uses only first class materials for this modular belt. The modules are made of LFB, blue acetal. This offers a high belt strength in combination with low friction.

The balls are made of very tough and wear resistant Polyamide.

Quality

System Plast is committed to quality. First class resins, First class production facilities and ISO 9001 certified. But that is not all! First class technical support and advice. And all the additional products to make your conveyor system complete and operate with maximum efficiency! That is total quality!

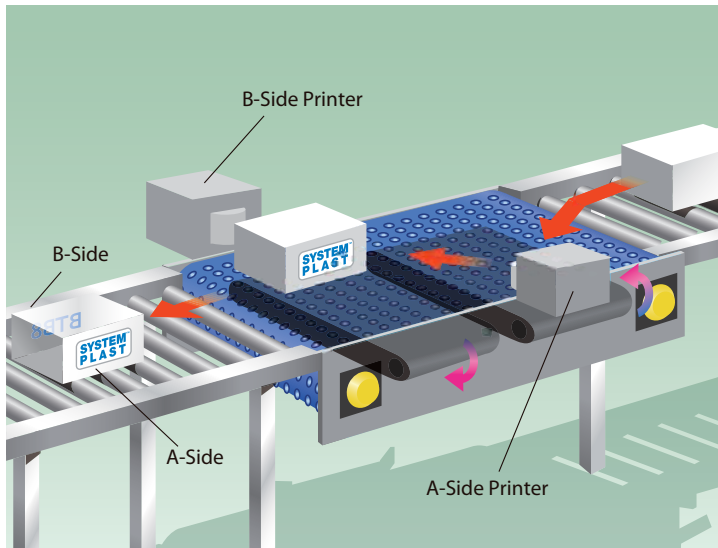


Freedom of movement!

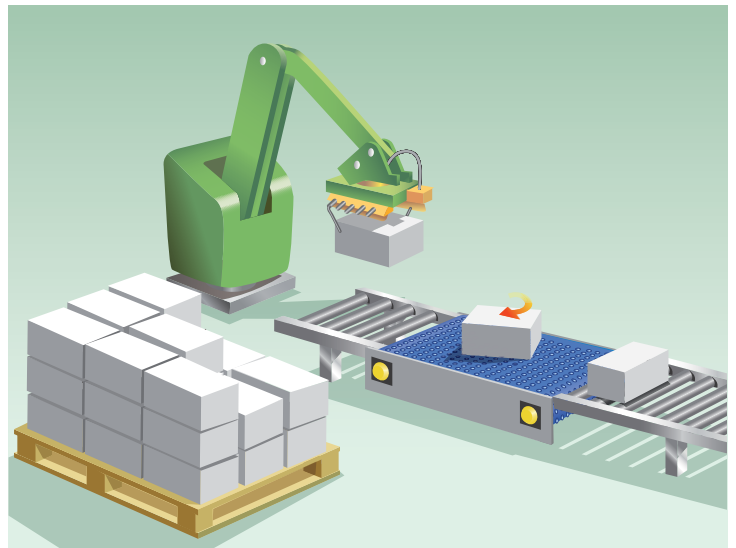
2253 RT is designed for products with flat bottom surfaces, such as boxes, trays or stacks of cardboard. In the packaging area of a bottle line, 6-pack containers can be precisely positioned before they are further boxed or palletized. Distribution centers may select items for pallet loading by shifting the package sideways without the use of mechanical pushers. In the corrugated paper industry, the 2253 RT belt can be used to reduce package damage by transferring your stacks of cardboard without the use of pushers or external guides. The 2253 RT provides a touchless conveying solution.

Application examples

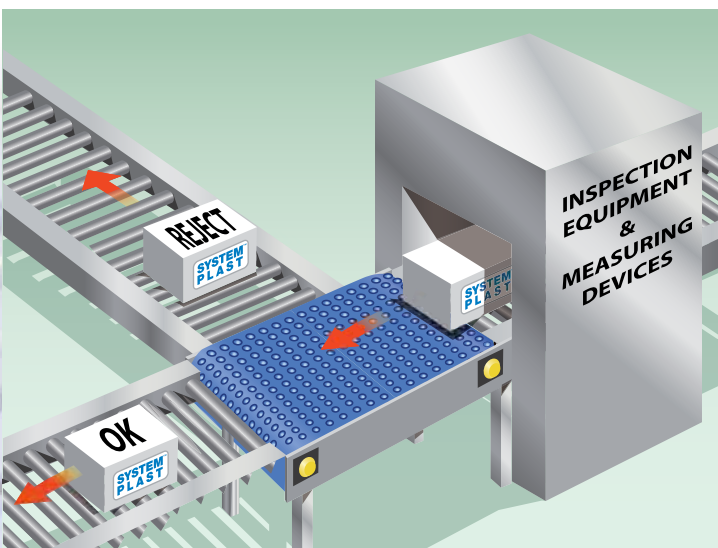
Product positioning



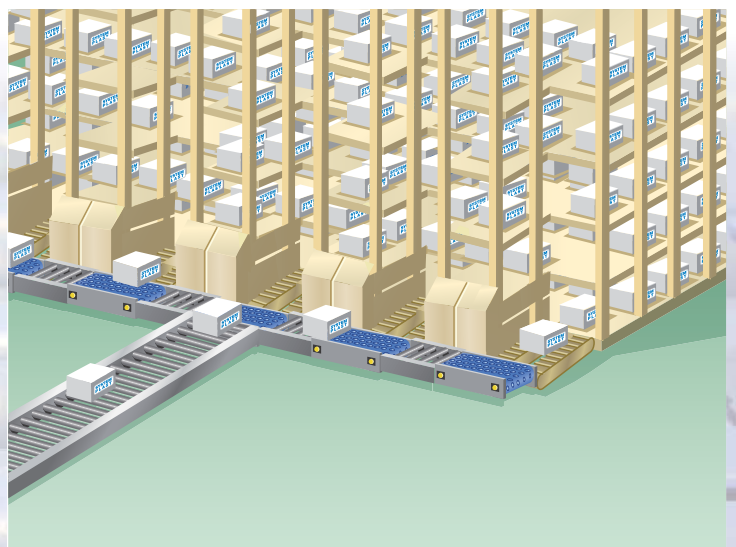
Product orientation



Reject stations



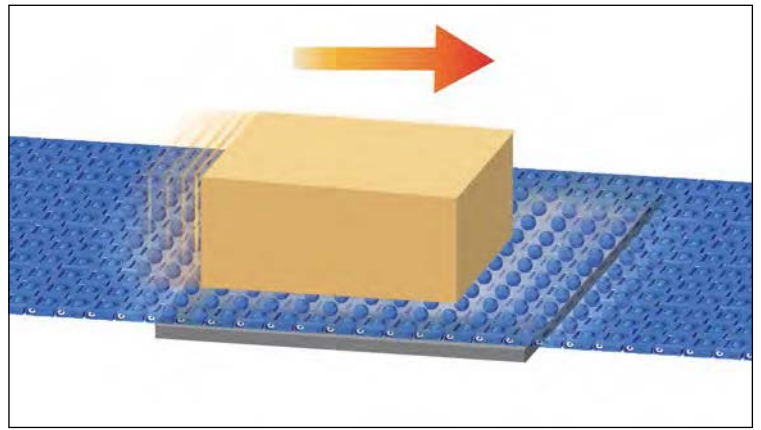
Automatic storage systems



Please consult our Technical Support for more technical details.

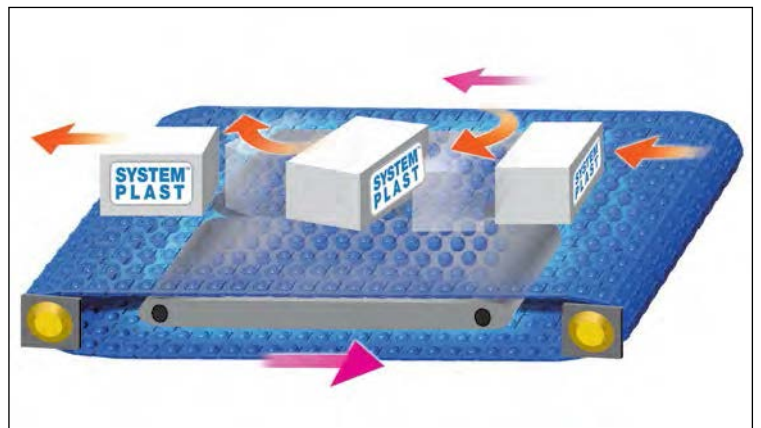
Double speed

When the belt is moving and the rollers are in contact with a fixed support area, the rollers will start rotating. This will result in movement of the product with a speed that is twice the speed of the belt. This function is very useful when products must be separated from each other. This function enables the belt to run at lower speed, and that improves belt life and reduces energy consumption.



Rotation with product moving

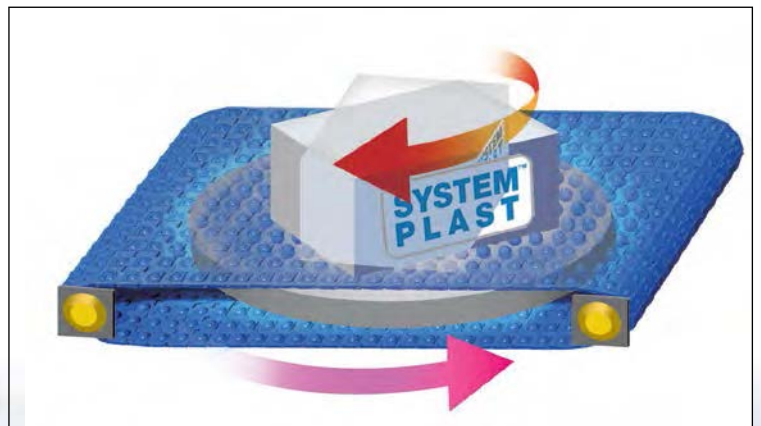
When two parallel running belts are positioned underneath the Roller Top belts, and running in different directions, containers in the middle of the belt will rotate. This condition is ideal for applications where product orientation is important, for example, the infeed to a palletizer. In this case, containers can be moving forward while rotating.



Rotation with product stopped

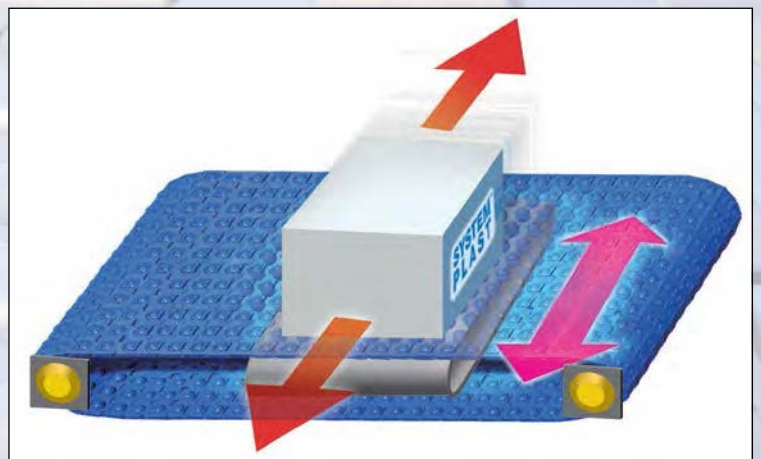
When using a rotating disc underneath the Roller Top belt, you can have optimum control of the rotation of the product.

The Roller Top belt must be stopped during rotation.



Lateral movement

With a secondary activated belt positioned 90 degrees to the travel direction of the Roller Top belt, the system can transfer your package without external guides. This scenario is ideal for reject conveyors or any application requiring rapid 90 degree transfer of the conveyed item. Product positioning can also be achieved by this configuration.



2253 RT

ROLLER TOP IMPERIAL SIZE (PITCH 1" - 25.4 mm)

Backflex radius:

40 mm - 1.575 inch.

Max load capacity:

9.000 N/m - 617 lbs/ft

Max load per ball: 0.5 kg

Weight: 10.5 kg/m² - 2.15 lb/ft²

Standard length:

Up to 9 inch width: 1.016 mm - 40 inch

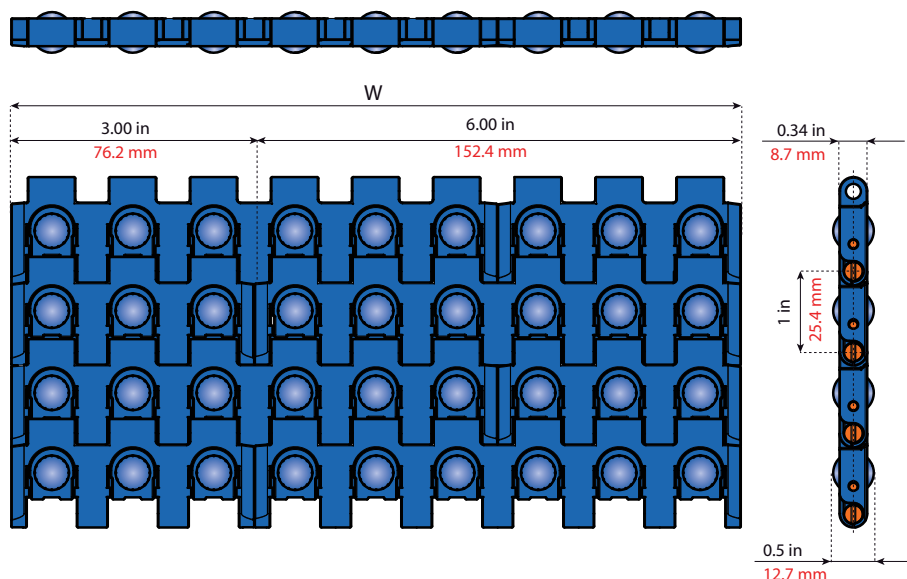
Above 9 inch width: 508 mm - 20 inch

Standard pin material: PBT (white)

Standard Material

LFB

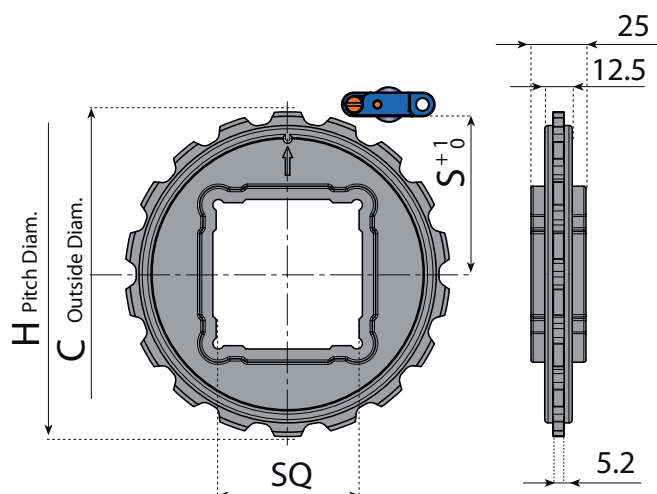
Low Friction Acetal
(standard material
color Blue)



Width W		Belts Ref.	Code	Width W		Belts Ref.	Code
inch	mm			inch	mm		
3.00	76	2253 - 0003 RT	261400LFB	48.00	1219	2253 - 0048 RT	261415LFB
6.00	152	2253 - 0006 RT	261401LFB	51.00	1295	2253 - 0051 RT	261416LFB
9.00	229	2253 - 0009 RT	261402LFB	54.00	1372	2253 - 0054 RT	261417LFB
12.00	305	2253 - 0012 RT	261403LFB	57.00	1448	2253 - 0057 RT	261418LFB
15.00	381	2253 - 0015 RT	261404LFB	60.00	1524	2253 - 0060 RT	261419LFB
18.00	457	2253 - 0018 RT	261405LFB	63.00	1600	2253 - 0063 RT	261420LFB
21.00	533	2253 - 0021 RT	261406LFB	66.00	1676	2253 - 0066 RT	261421LFB
24.00	610	2253 - 0024 RT	261407LFB	69.00	1753	2253 - 0069 RT	261422LFB
27.00	686	2253 - 0027 RT	261408LFB	72.00	1829	2253 - 0072 RT	261423LFB
30.00	762	2253 - 0030 RT	261409LFB	75.00	1905	2253 - 0075 RT	261424LFB
33.00	838	2253 - 0033 RT	261410LFB	78.00	1981	2253 - 0078 RT	261425LFB
36.00	914	2253 - 0036 RT	261411LFB	81.00	2057	2253 - 0081 RT	261426LFB
39.00	991	2253 - 0039 RT	261412LFB	84.00	2134	2253 - 0084 RT	261427LFB
42.00	1067	2253 - 0042 RT	261413LFB	87.00	2210	2253 - 0087 RT	261428LFB
45.00	1143	2253 - 0045 RT	261414LFB	90.00	2286	2253 - 0090 RT	261429LFB

2253 RT

SPROCKETS and IDLER WHEELS



Z	C mm	H mm	S mm
18	147.65	146.3	68



ONE PIECE SPROCKETS - Floating

40x40

65x65

Part number

Part number

123213

123214

Material: polyamide.

**System Plast - USA**

Tel. 866 765 8744 - Fax 866 447 6587
CustomerService.PTSolutions@Emerson.com

**System Plast S.r.l. - ITALY**

Tel. 035 83 51 301 - Fax 035 83 51 406
info@systemplast.com

**System Plast - GERMANY**

Tel. (03529) 56 15 0 - Fax (03529) 51 13 67
info@fspchains.com

**System Plast - GERMANY**

Sales Office - Tel. (06204) 9673 0 - Fax (06204) 9673 29
info-de@systemplast.com

**System Plast - FRANCE**

Tel. (01) 64 66 05 48 - Fax (01) 64 66 05 82
info-fr@systemplast.com

**System Plast International - THE NETHERLANDS**

Tel. (0186) 63 61 21 - Fax (0186) 63 61 25
info-nl@systemplast.com

**System Plast - UK**

Tel. (01926) 614 314 - Fax (01926) 614 914
info-uk@systemplast.com

**System Plast - MEXICO**

Tel. (033) 3284 5629
servicioclientes@emerson.com

**System Plast - BRAZIL**

Tel. (011) 3618 6699 - Fax (011) 3618 6633
info-br@systemplast.com

**System Plast - SINGAPORE**

Tel. (65) 6891 7600 - Fax (65) 6873 7882
systemplast.sg@emerson.com

**System Plast - CHINA**

Tel. (86) 596 2109921 - Fax (86) 596 2136004
sales.zz@emerson.com

System Plast™ Catalogues available on request

*Our complete range of components will cover
all your productive needs*

Conveyor
Chains / BeltsConveyor
ComponentsBearing
SupportsLeveling
PadsEngineering
ManualInteractive
CD ROM**System Plast worldwide!**

Local Commitment, Global Presence

System Plast can reach you everywhere with fast shipments of
standard or customized products.

Find our agent or representative closest to you.



Emerson Industrial Automation Power Transmission Solutions

Corporate Headquarters

7120 New Buffington Road

Florence, KY 41042

www.systemplast.com

www.emerson-ept.com



EMERSON™
Industrial Automation

Multidirectional Roller Top 2253RT Brochure

MCB12043E • Form 22481E

APPLICATION CONSIDERATIONS

The proper selection and application of power transmission products and components, including the related area of product safety, is the responsibility of the customer. Operating and performance requirements and potential associated issues will vary appreciably depending upon the use and application of such products and components. The scope of the technical and application information included in this publication is necessarily limited. Unusual operating environments and conditions, lubrication requirements, loading supports, and other factors can materially affect the application and operating results of the products and components and the customer should carefully review its requirements. Any technical advice or review furnished by Emerson Power Transmission Corporation and its divisions with respect to the use of products and components is given in good faith and without charge, and Emerson assumes no obligation or liability for the advice given, or results obtained, all such advice and review being given and accepted at customer's risk.

For a copy of our Standard Terms and Conditions of Sale, Disclaimers of Warranty, Limitation of Liability and Remedy, please contact Emerson Power Transmission Customer Service at 1-800-626-2120. These terms and conditions of sale, disclaimers and limitations of liability apply to any person who may buy, acquire or use an Emerson Power Transmission Corporation product referred to herein, including any person who buys from a licensed distributor of these branded products.

Emerson Power Transmission does not warrant the accuracy of the information contained in this document. All interchanges should be compared with actual current specifications and/or manufacturing drawings. For a copy of our standard terms and conditions, contact Emerson Power Transmission at 1-800-626-2120.

Emerson, Emerson. Consider It Solved., Emerson Industrial Automation and System Plast are trademarks of Emerson Electric Co. or one of its affiliated companies.

© 2012 Emerson Power Transmission Corp., All Rights Reserved.
MCB12043E • Form 22481E