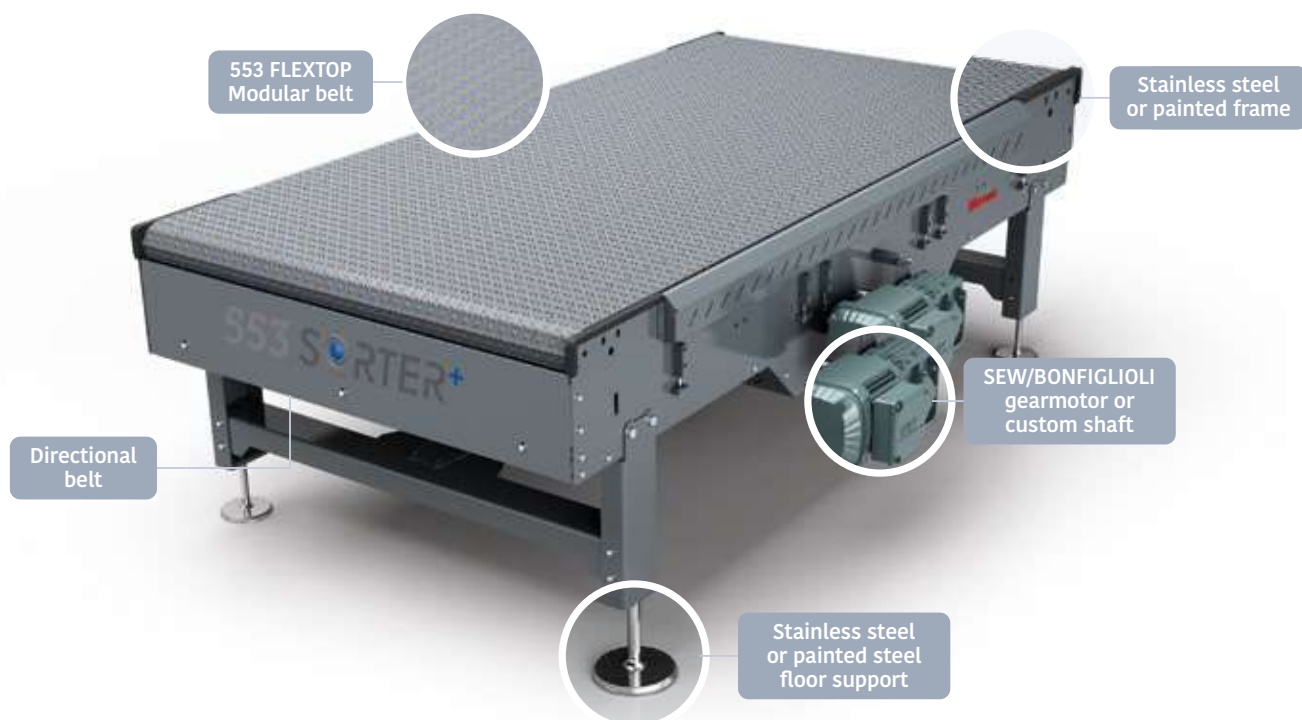


553 SORTER⁺

MULTIDIRECTIONAL CONVEYOR



Product use

The **553 Sorter plus™** is a multidirectional conveyor, equipped with the unique and patented 553 FlexTop modular belt, and with directional belt or plate, is the ideal solution to transport countless types of products and for several types of industries. It can be easily integrated into existing systems.

The **553 Sorter plus™** is available in different widths and lengths and in two different versions:

- **Diverter** - able to quickly move side to side your goods
- **Static Turn** - able to rotate statically your goods



BELT PITCH: 25,4 mm

THICKNESS: 8,7 mm

INCREMENTS: 76,2 mm

TOTAL LENGTH: 600mm ÷ 1400mm

TOTAL WIDTH: 390mm ÷ 1000mm

MATERIAL OF MODULES: Dark grey acetal (POM)

MATERIAL OF SPHERES: Blue Polyamide (PA)

TEMPERATURE RANGE

Dry: -40°C÷80°C Wet: n.a.

(Dry:-40°F ÷ 176°F Wet: n.a.)

MAX. WORKING LOAD

27.500 N/m belt width

OPEN AREA 0%

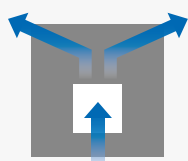
FRAME Stainless steel or Painted steel

553 SORTER⁺

The new design has improved the performance of the conveyor, making it even more effective and customizable to meet the needs of the most demanding customers. The completely closed sliding belt surface is the perfect solution for carrying carton boxes, crates, cans and bottles, shrink-wrapped packaging, and any kind of polybag with top-accuracy package control.

Versatility is the watchword

Available movement options



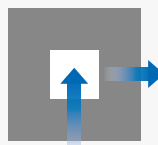
Diverter

Capable of moving your goods side to side (left and right).



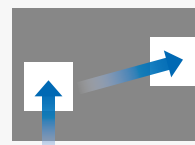
Static turn

Capable of rotating statically your goods.



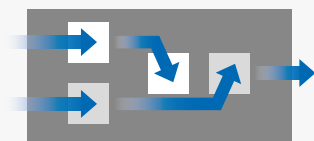
90° transfer

Capable of moving your goods at a 90° angle (left and right).



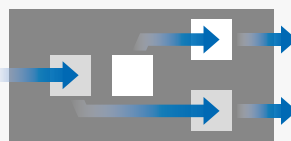
Aligner

Capable of moving your goods and aligning them with a lateral profile.



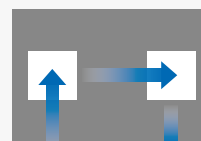
Merger

Capable of moving your goods and aligning them in a single row.



Diverger

Capable of moving your goods and dividing them in two rows.



U-turn

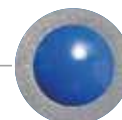
Capable of making a U-turn with your goods.

Available on request

Ideal for several products and industries



These are just some of the products that can be handled with 553 Sorter⁺, its versatility allows to transport countless types of products and for several type of industries.



15 N
LOAD/SPHERE
Closed gap
PATENTED

553 SORTER⁺

Single Diverter

**+ Accessories**

Page 345-346



Floor supports



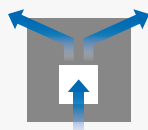
Gearmotors

ZERO^{PRO}ATP[®]
ACTIVE TRANSFER PLATE

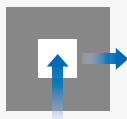
Choose the smallest Active Transfer Plate available on the market and boost your line performance! Ask for more info!

■ Standard 553 Sorter+ Painted steel frame color RAL 7031 - Blue grey

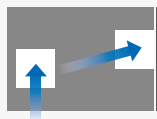
Available movement options



Diverter



90° transfer



Aligner

553 Sorter⁺ Diverter version

These codes mean complete curve, except floor supports and gearmotors.

W Belt Width*	L Conveyor length*	Type	N° of diverter	Diverter type (see below for more specs)		Diverter width	Frame material	
533 (21")	1000 (39")	DI Diverter	1	RD	Roller drive	350 (13.8")	PS	Painted steel
686 (27")	1400 (55")			DD	Master/slave Roller drive	500 (19.7")	SS	Stainless steel
838 (33")	1800 (70")			DM	Drum motor	600 (23.6")		
990 (39")				GB	Gearbox			

Article-Nr. structure guide (Example) Select the different value to compose the Article-Nr

W0533**L01000****DI****1****RD****0350****PS****Diverter Power supply****RD** Roller drive
24Vdc

Kg
Single motor
Up to 12Kg

DD Master/slave Roller drive
24Vdc

Kg
Dual motor
Up to 20Kg

DM Drum motor
380/400V

Kg
Single motor
Up to 50Kg

GB Gearbox
380/400V

Kg
Single motor
Up to 50Kg

RD and DD solutions include the control system.

*Different lengths, widths and configurations are available on request, please contact your sales representative.

553 SORTER⁺ Double Diverter



■ Standard 553 Sorter+ Painted steel frame color RAL 7031 - Blue grey

+ Accessories

Page 345-346



Floor supports



Gearmotors

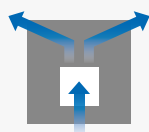
ZERO^{PRO}ATP[®]
ACTIVE TRANSFER PLATE



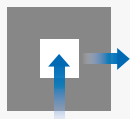
TRY IT NOW!

Choose the smallest Active Transfer Plate available on the market and boost your line performance! Ask for more info!

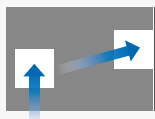
Available movement options



Diverter



90° transfer



Aligner



Merger



Diverger



U-turn

On request

553 Sorter⁺ Diverter version

These codes mean complete curve, except floor supports and gearmotors.

W Belt Width*	L Conveyor length*	Type	N° of diverter	Diverter type (see below for more specs)	Diverter width	Frame material
533 (21")	1000 (39")	DI Diverter	2	RD Roller drive	350 (13.8")	PS Painted steel
686 (27")	1400 (55")			DD Master/slave Roller drive	500 (19.7")	SS Stainless steel
838 (33")	1800 (70")			DM Drum motor	600 (23.6")	
990 (39")				GB Gearbox		

Article-Nr. structure guide (Example) Select the different value to compose the Article-Nr

W0533

L01000

DI

2

RD

0350

PS

Diverter Power supply



RD Roller drive
24Vdc

Kg
Single motor
Up to 12Kg

DD Master/slave Roller drive
24Vdc

Kg
Dual motor
Up to 20Kg

DM Drum motor
380/400V

Kg
Single motor
Up to 50Kg

GB Gearbox
380/400V

Kg
Single motor
Up to 50Kg

RD and DD solutions include the control system.

*Different lengths, widths and configurations are available on request, please contact your sales representative.

553 SORTER⁺

Triple Diverter



+ Accessories

Page 345-346



Floor supports



Gearmotors

ZERO^{PRO}ATP[®]
ACTIVE TRANSFER PLATE

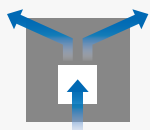


TRY IT NOW!

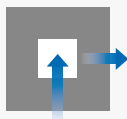
Choose the smallest Active Transfer Plate available on the market and boost your line performance! Ask for more info!

■ Standard 553 Sorter+ Painted steel frame color RAL 7031 - Blue grey

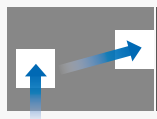
Available movement options



Diverter



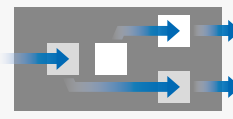
90° transfer



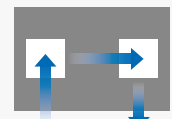
Aligner



Merger



Diverger



U-turn

On request

553 Sorter⁺ Diverter version

These codes mean complete curve, except floor supports and gearmotors.

W Belt Width*	L Conveyor length*	Type	N° of diverter	Diverter type (see below for more specs)	Diverter width	Frame material
533 (21")	1600 (63")	DI Diverter	3	RD Roller drive	350 (13.8")	PS Painted steel
686 (27")	2000 (78")			DD Master/slave Roller drive	500 (19.7")	SS Stainless steel
838 (33")				DM Drum motor	600 (23.6")	
990 (39")				GB Gearbox		

Article-Nr. structure guide (Example) Select the different value to compose the Article-Nr

W0533**L01600****DI****3****RD****0350****PS**

Diverter Power supply



RD Roller drive
24Vdc



Single motor
Up to 12Kg

DD Master/slave Roller drive
24Vdc



Dual motor
Up to 20Kg

DM Drum motor
380/400V



Single motor
Up to 50Kg

GB Gearbox
380/400V



Single motor
Up to 50Kg

RD and DD solutions include the control system.

553 SORTER⁺ Static turn



■ Standard 553 Sorter+ Painted steel frame color RAL 7031 - Blue grey

+ Accessories

Page 345-346



Floor supports



Gearmotors

ZERO^{PRO}ATP[®]
ACTIVE TRANSFER PLATE



TRY IT NOW!

Choose the smallest Active Transfer Plate available on the market and boost your line performance! Ask for more info!

Available movement options



Static turn

553 Sorter⁺ Static turn version

These codes mean complete curve, except floor supports and gearmotors.

W Belt Width*	L Conveyor length*	Type	N° of diverter	Diverter type (see below for more specs)	Turning Table Ø	Frame material
533 (21")	1200 (47")	ST Static turn	1	GB Gearbox	400 (15.8")	PS Painted steel
686 (27")	1800 (71")				600 (23.6")	SS Stainless steel
838 (33")						
990 (39")						

Article-Nr. structure guide (Example) Select the different value to compose the Article-Nr

W0533

L01200

ST

1

GB

0400

PS

Static turn Power supply



GB Gearbox
380/400V

Kg
Single motor
Up to 50Kg

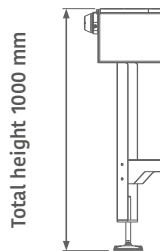
*Different lengths, widths and configurations are available on request, please contact your sales representative.

553 Sorter⁺

Floor support
with leveling feet



Conveyor Width	Painted Steel Floor support
533 (21")	W0533HS
686 (27")	W0686HS
838 (33")	W0838HS
990 (39")	W0990HS



Total height 1000 mm

- Stainless steel AISI 304 floor supports available on request
- Single or double floor fixation levellers available on request
- Customizable height and specifications

For different heights or custom specification please contact your sales representative.

553 Sorter⁺

Gearmotor

SEW

- Foodgrade oil
- Type WA30 DRN71M4
- Internal shaft position (no cable supplied)



Article Nr.	Power
M090-S/IM	0,37 kW

BONFIGLIOLI

- Type BN 71B 4 B14
- Internal shaft position (no cable supplied)



Article Nr.	Power
M090L-S/IM	0,37 kW

For different gearmotors please contact your sales representative.

SEW and BONFIGLIOLI are believed to be the trademarks and/or trade names of their respective owners and are not owned or controlled by Movex.

553 Sorter+

Accessories and personalization

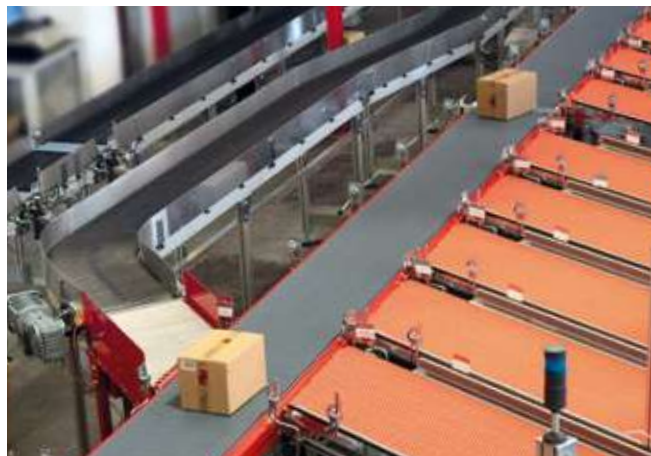
Slide chute



In option, we can provide sliders to any diverting point: the slide could be made of painted steel or stainless steel, ensuring compatibility with your operational requirements and environmental conditions.

Contact our expert for more information.

Low back pressure chute



In option, we can provide straight chute or angled chute with our Low back pressure modular belt 551 Pro LBP, designed to handle high-speed accumulation with minimal product damage.

Contact our expert for more information.

Custom personalization

The **Movex® 553 Sorter+** automatic sorting systems are reliable and cost-effective solutions designed to optimize logistics operations across a wide range of products and industries.

Our portfolio meets most market demands with standard solutions, ensuring short lead times for both units and spare parts. For specialized applications, we provide comprehensive support, including the design and development of customized solutions tailored to specific requirements.

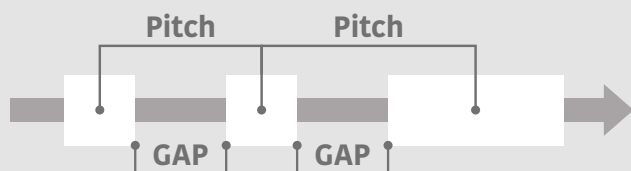
What are you waiting for? Contact us for a free consultation today!

553 SORTER⁺

MULTIDIRECTIONAL CONVEYOR



Unit distribution



Different lengths, widths and configurations are available on request, please contact your sales representative.

Company	
Sales contact	
Contact	
Date	

Unit type

☐	Carton Boxes
☐	Parcels
☐	Wrapped units
☐	Polybag
☐	Trays
☐	
☐	

Material

☐	Carton
☐	Plastic
☐	Film
☐	Rubber
☐	Steel
☐	Wood
☐	

Dimensions (mm)

	W	L	H
Min			
Max			

Load (kg)

Min	
Max	

Unit direction

☐	LSL
☐	SSL

Unit distribution

THROUGHPUT - Items per hr

Machine type

☐	Sorter
☐	Infeeder
☐	Bulk Sorter
☐	Aligner
☐	1:2 Diverter
☐	1:3 Diverter
☐	2:2 Diverter
☐	2:3 Diverter
☐	2:1 Converger
☐	3:1 Converger
☐	3:2 Converger

*On Request

☐	2:1 Diverger
☐	3:1 Diverger
☐	3:2 Diverger
☐	"U" Turn *
☐	Static Turn 90°
☐	Static Turn 180°
☐	Dynamic Turn *
☐	Multi-Sorter *
☐	

Do you need help to configure your 553 Sorter+?

Send an email with the filled form and the technical drawings of your layout (.stp/.dwg/.dxf) to info@movexii.com, or contact your sales representative.

You will be contacted by one of our experts for a dedicated support and a customized quote based on your needs.

