



MODUTECH[®]
Movement Technologies



Product Catalog

Narviflex[®]
BELTING

Official distributor of Modutech Belt Systems

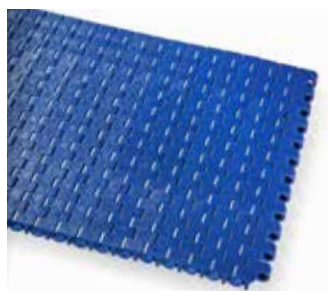
2018



MODUTECH

Movement Technologies

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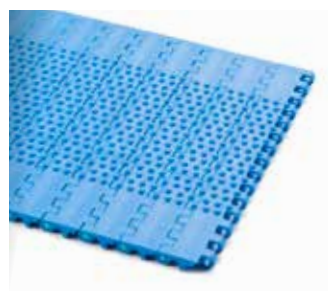
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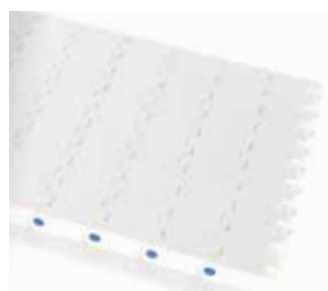
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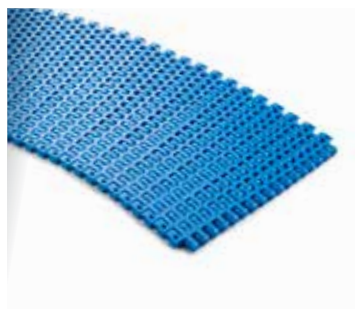
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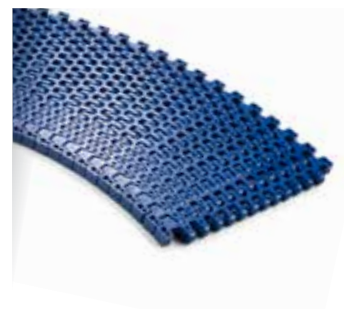
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Movement Technologies

We are rapidly growing. Thanks to the "understanding of excellence" in product and service quality, in the plastic modular belt sector. We export plastic modular belts and accessories (sprockets, flights, sidewalls) produced with high production standards to more than 40 countries, including 5 continents.

We have right partnerships with industrial companies, original equipment manufacturers and distributors in many countries of the world with the strength of our production quality, flexible capability, pre-sales and after-sales service.

We are constantly proving our expertise for food industry. We have FDA and EU approvals that are recognized as quality standards around the world for the safe and hygienic carry of food products.

With our movement technologies, we are carrying your business to the future.

Today and always.








MODUTECH

EC127

Modular Belt Series

EC127 C

EC127 FG

EC127 GT

Sprockets & Accessories

Engineering Information







EC127 C

Modular Belt Series

- **Bakery Applications**

Row Dough Handling, Divider, Proofer Lines, Laminating Lines

- **Meat Applications**

Transfer - Crossover Conveyance and Metal Detectors

- **Seafood Applications**

Grading Lines and Weighing Lines

- **Beverage Applications**

Depalletizers, Accumulation Tables and Acceleration Lines

- **Fruits and Vegetables Applications**

Control and Sorting Tables

- **Can Manufacturing Applications**

Including Palletizers, Mass Handling and Accumulation Tables

- **Tire Manufacturing Applications**

*Scalling, Marking, Sciver Cementing, Water Blow - Off,
Tire Transport Horizontal*

- **Corrugated Applications**

Downstackers, Corrugator Take Off, Transfer Car

EC127 C

Pitch:	12.7 mm
Belt Surface:	Close, Smooth Surface
Minimum Width:	150 mm
Open Area (%):	%0
Flight:	Yes (T25, T50)
Sidewall:	No
Rod:	Ø4.7 mm - Self Lock
Approved:	FDA and EU
Curve:	No
Color:	Additional colors available
Cleanability:	Good
Belt Thickness:	10 mm



Product Features and Functional Benefits

- Less vibration in high speed and nosebar applicaitons.
- Wear resistance in high speed applications with tight transfer.
- Unique sprocket engagement reduces pulsation.
- Close transfer applications.
- Tight transfer and high speed conveyors.

Avialible Moulded Module Sizes

- 150 mm module
- 100 mm module
- 50 mm module

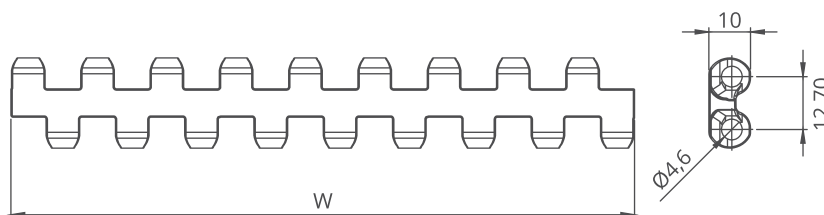
EC127 C / Technical Information

BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		C (min.)	C (max.)	Kg/m ²
	Kg/m	N/m	Kg/m	N/m			
Polypropylene	858	8580	-	-	+5	+90	4.65
Polyethylene	806	8060	-	-	-73	+66	4.90
Acetal	1066	10660	-	-	-43	+110	7.00

- Belt strength and temperature values are maximum on the table.

EC127 C / Standard Belt Widths

BELT SERIES	WIDTH (W)				Belt With Tolerance (max.)
	PP-PE		POM		
	mm	inch	mm	inch	
EC127 C	150	5,9	150	5,9	± 1 mm
EC127 C	200	7,87	200	7,87	± 1 mm
EC127 C	250	9,84	250	9,84	± 2 mm
EC127 C	300	11,81	300	11,81	± 2 mm
EC127 C	350	13,77	350	13,77	± 2 mm
EC127 C	400	15,75	400	15,75	± 2 mm
EC127 C	450	17,71	450	17,71	± 2 mm
EC127 C	500	19,69	500	19,69	± 2 mm
EC127 C	550	21,65	550	21,65	± 2 mm
EC127 C	600	23,62	600	23,62	± 3 mm
EC127 C	650	25,60	650	25,60	± 3 mm
EC127 C	700	27,56	700	27,56	± 3 mm
EC127 C	750	29,50	750	29,50	± 3 mm
EC127 C	800	31,50	800	31,50	± 3 mm
EC127 C	850	33,46	850	33,46	± 4 mm
EC127 C	900	35,43	900	35,43	± 4 mm



- Standard belt increments 50 mm.
- Non standard belt increments 16,6 mm.
- Please contact with customer service for precise belt measurements.



EC127 FG

Modular Belt Series

- **Bakery Applications**

Divider, Oven Infeed - Outfeed, Cooling Lines, Coating Lines, Glazing Lines

- **Poultry Applications**

Breeding Lines and Grading Lines

- **Seafood Applications**

Breeding Lines, Grading Lines and Weighing Lines

- **Snack Food Applications**

Cooling Lines

- **Fruits and Vegetables Applications**

Draining, Sterilization, Conveyance

- **Packaging Applications**

Check Weighers, Filling, Palletizing - Depalletizing, Box Transfer

EC127 FG

Pitch:	12.7 mm
Belt Surface:	Open, Smooth Surface
Minimum Width:	100 mm
Open Area (%):	%20. (Biggest opening 3x6 mm)
Flight:	Yes (T25, T50)
Sidewall:	No
Rod:	Ø4.7 mm - Self Lock
Approved:	FDA and EU
Curve:	No
Color:	Additional colors available
Cleanability:	Excellent
Belt Thickness:	10 mm



Product Features and Functional Benefits

- Belt provides optimal open area for drainage and airflow.
- Less friction and product contact for easy cooking, cooling and freezing of products.
- Reduced dirt and oxide build due to self cleaning surface.

Available Moulded Module Sizes

- 150 mm module
- 100 mm module
- 50 mm module

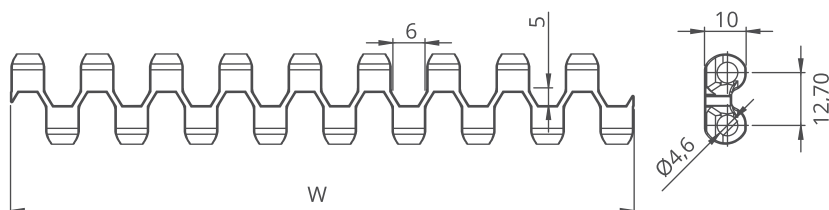
EC127 FG / Technical Information

BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		C (min.)	C (max.)	Kg/m²
	Kg/m	N/m	Kg/m	N/m			
Polypropylene	858	8580	-	-	+5	+90	4.20
Polyethylene	780	7800	-	-	-73	+66	4.80
Acetal	1274	12740	-	-	-43	+110	6.20

- Belt strength and temperature values are maximum on the table.

EC127 FG / Standard Belt Widths

BELT SERIES	WIDTH (W)				Belt With Tolerance (max.)
	PP-PE		POM		
	mm	inch	mm	inch	
EC127 FG	150	5,9	150	5,9	± 1 mm
EC127 FG	200	7,87	200	7,87	± 1 mm
EC127 FG	250	9,84	250	9,84	± 2 mm
EC127 FG	300	11,81	300	11,81	± 2 mm
EC127 FG	350	13,77	350	13,77	± 2 mm
EC127 FG	400	15,75	400	15,75	± 2 mm
EC127 FG	450	17,71	450	17,71	± 2 mm
EC127 FG	500	19,69	500	19,69	± 2 mm
EC127 FG	550	21,65	550	21,65	± 2 mm
EC127 FG	600	23,62	600	23,62	± 3 mm
EC127 FG	650	25,60	650	25,60	± 3 mm
EC127 FG	700	27,56	700	27,56	± 3 mm
EC127 FG	750	29,50	750	29,50	± 3 mm
EC127 FG	800	31,50	800	31,50	± 3 mm
EC127 FG	850	33,46	850	33,46	± 4 mm
EC127 FG	900	35,43	900	35,43	± 4 mm



- Standard belt increments 50 mm.
- Non standard belt increments 16,6 mm.
- Please contact with customer service for precise belt measurements.



EC127 GT

Modular Belt Series

- ***Snack Food Applications***

Incline - Decline Lines, Container Conveyance

- ***Packaging Applications***

Box Incline - Decline Lines

- ***Beverage Applications***

Incline - Decline Lines, Filling, Box Transfer

EC127 GT

Pitch:	12.7 mm
Belt Surface:	Friction Surface
Minimum Width:	150 mm
Open Area (%):	%0
Flight:	Yes (T25, T50)
Sidewall:	No
Rod:	Ø4.7 mm - Self Lock
Approved:	FDA and EU
Curve:	No
Color:	Additional colors available
Cleanability:	Excellent
Belt Thickness:	12,5 mm



Product Features and Functional Benefits

- Unique rubber top eliminates wear and increases friction in incline decline applications.
- Minimum noose bar diameter 18 mm.
- Close tight transfer applications.

Available Moulded Module Sizes

- 150 mm module

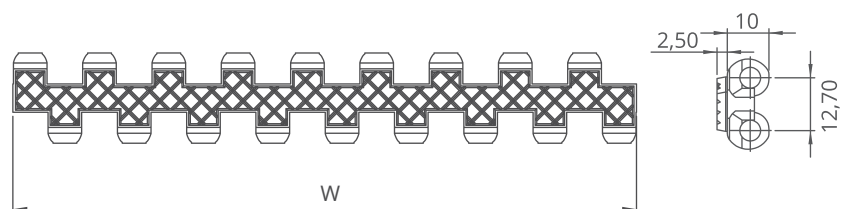
EC127 GT / Technical Information

BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		C (min.)	C (max.)	
	Kg/m	N/m	Kg/m	N/m			
Polypropylene	858	8580	-	-	+5	+90	4.20
Polyethylene	780	7800	-	-	-73	+66	4.80
-	-	-	-	-	-	-	-

- Belt strength and temperature values are maximum on the table.

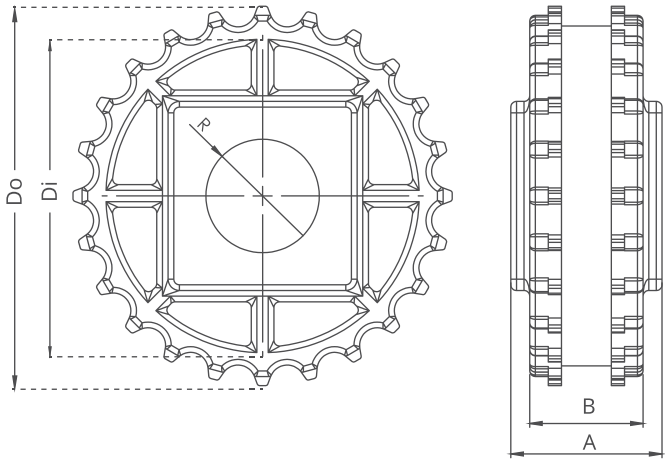
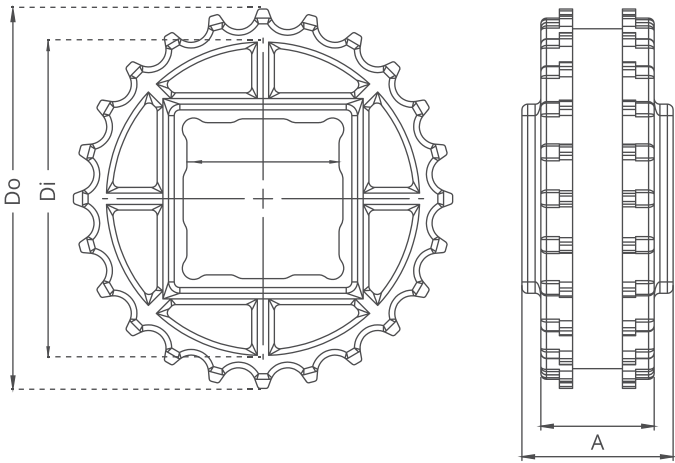
EC127 GT / Standard Belt Widths

BELT SERIES	WIDTH (W)				Belt With Tolerance (max.)
	PP-PE		POM		
	mm	inch	mm	inch	
EC127 GT	150	5,9	150	5,9	± 1 mm
EC127 GT	200	7,87	200	7,87	± 1 mm
EC127 GT	250	9,84	250	9,84	± 2 mm
EC127 GT	300	11,81	300	11,81	± 2 mm
EC127 GT	350	13,77	350	13,77	± 2 mm
EC127 GT	400	15,75	400	15,75	± 2 mm
EC127 GT	450	17,71	450	17,71	± 2 mm
EC127 GT	500	19,69	500	19,69	± 2 mm
EC127 GT	550	21,65	550	21,65	± 2 mm
EC127 GT	600	23,62	600	23,62	± 3 mm
EC127 GT	650	25,60	650	25,60	± 3 mm
EC127 GT	700	27,56	700	27,56	± 3 mm
EC127 GT	750	29,50	750	29,50	± 3 mm
EC127 GT	800	31,50	800	31,50	± 3 mm
EC127 GT	850	33,46	850	33,46	± 4 mm
EC127 GT	900	35,43	900	35,43	± 4 mm



- Standard belt increments 50 mm.
- Non standard belt increments 16,6 mm.
- Please contact with customer service for precise belt measurements.

EC127 Series *Sprockets and Technical Specifications*



EC127 Series / Standard Sprockets Dimensions

NO.TEETH	Di	Do	B	A	Square Bore (Q)	Round Bore (R)	PRODUCT CODE	
							Square Type (Q)	Round Type (R)
Z19	68.5 mm	78 mm	3.5 mm	40.0 mm	40.0 mm	25.0 / 30.0	EC127SQZ19*PA	EC127SRZ19*PA
Z24	88.7 mm	98.8 mm	3.5 mm	40.0 mm	40.0 mm	25.0 / 30.0	EC127SQZ24*PA	EC127SRZ24*PA
Z28	105.0 mm	115.2 mm	3.5 mm	40.0 mm	40.0 mm	25.0 / 30.0	EC127SQZ28*PA	EC127SRZ28*PA
Z30	113.0 mm	123.3 mm	3.5 mm	40.0 mm	40.0 mm	25.0 / 30.0	EC127SQZ30*PA	EC127SRZ30*PA
Z36	137.5 mm	148.0 mm	3.5 mm	40.0 mm	40.0 mm	25.0 / 30.0	EC127SQZ36*PA	EC127SRZ36*PA

*Other sprockets and hub sizes are manufactured up to request.
*POM (Acetal) and PP (Polypropylene) sprockets raw material is available on request.



Clamb



Machined Split Sprocket

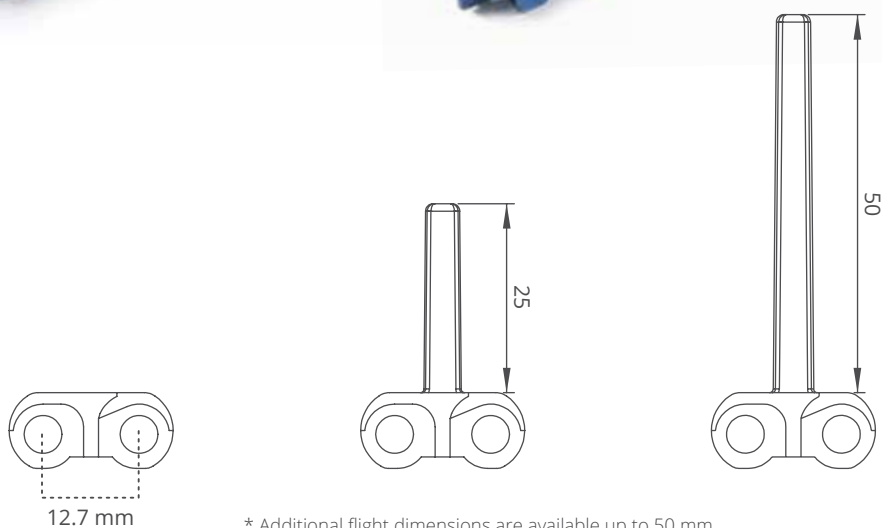
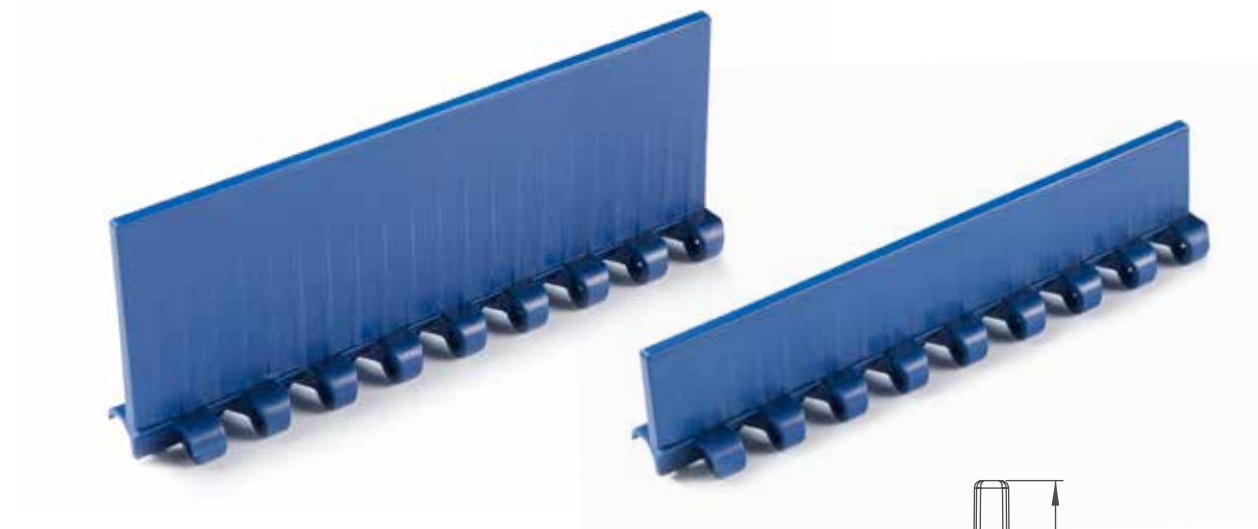


Moulded Sprocket



Machined Sprocket

EC127 Series *Accessories and Technical Specifications*



* Additional flight dimensions are available up to 50 mm.

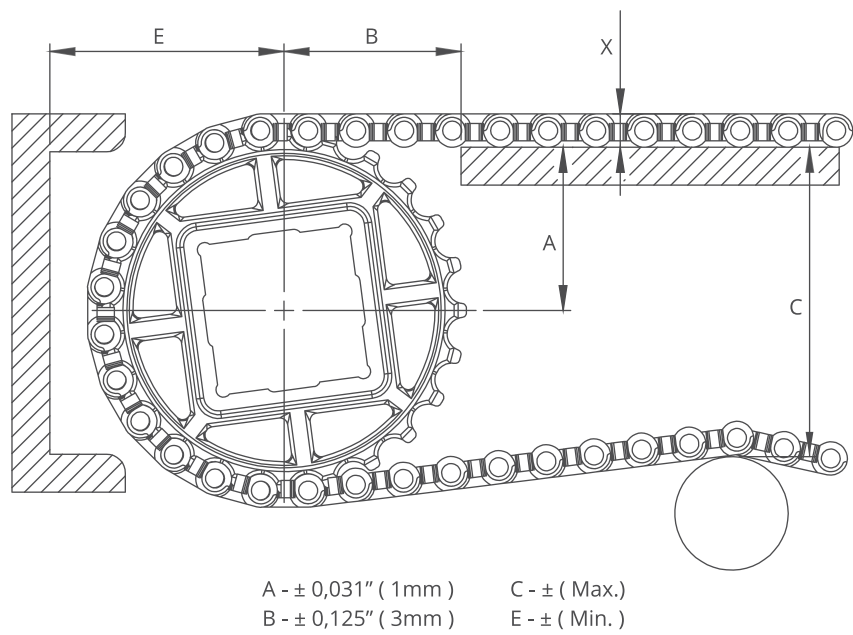


EC127 Series / Flight Technical Specifications

Possible Flight Indets for 12,7 mm Series	Z	
	(mm)	(inch)
Standart, no module cutting	33,3	0,75
Standart, no module cutting	50	1,50
Standart, no module cutting	66,6	2,24
Standart, no module cutting	83,3	2,99
Standart, no module cutting	100	2,95

*Non-standard flight indent is on request.

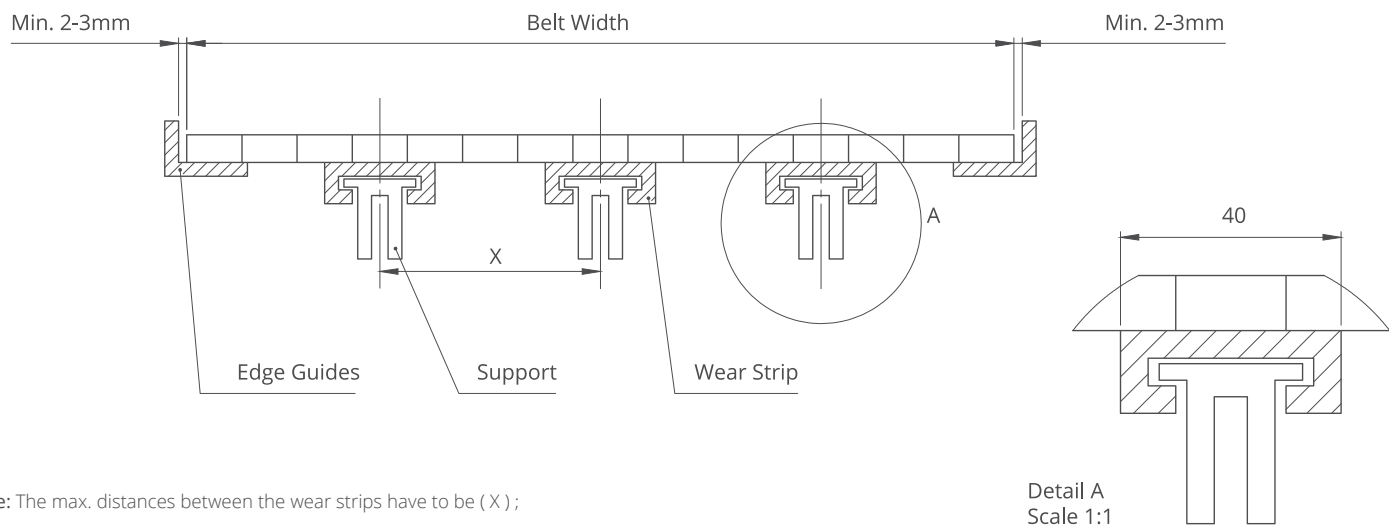
EC127 Series *Engineering Information*



EC127 Series / Conveyor Frame Dimensions

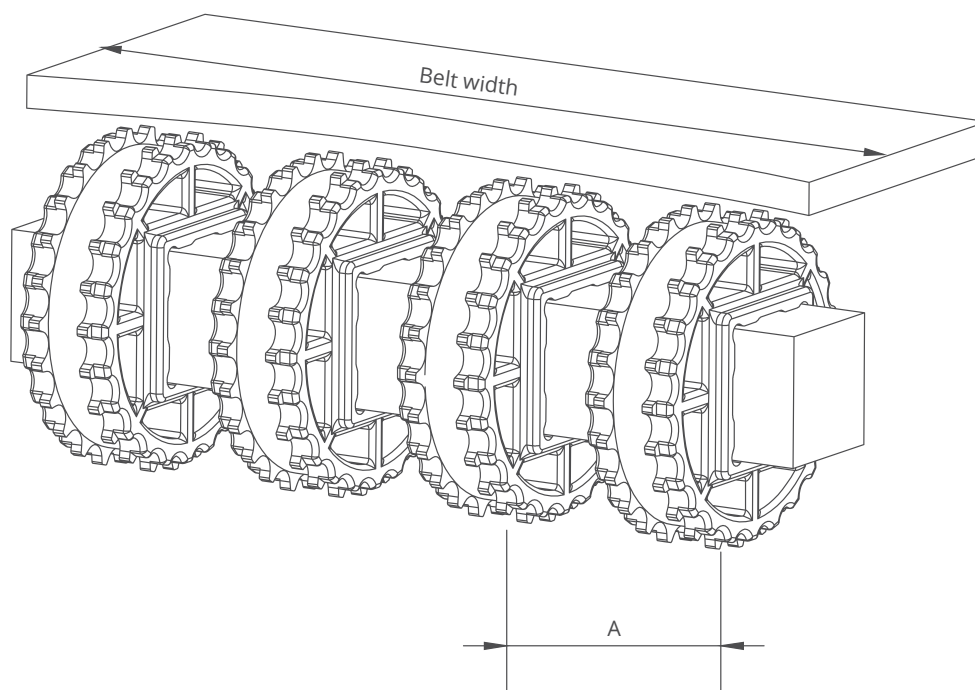
Sprockets Description			A		B		C		E		X	
Pitch Diameter		No.Teeth	Range (Bottom to Top)		In.	mm	In.	mm	In.	mm	In.	mm
In.	mm		In.	mm								
EC127 C, EC127 FG												
3,07	78	20	1,42	36	1,67	42,5	2,80	71	2,20	56	0,39	10
3,66	93	24	1,73	44	1,85	47	3,27	83	2,52	64	0,39	10
4,65	118	30	2,20	56	2,11	53,5	4,06	103	2,99	76	0,39	10

EC127 Series / Slider Support System For Straight Running Belts



Note: The max. distances between the wear strips have to be (X) ;

125 mm for 2" belts
80 mm for 1" / 0.5" belts



EC127 Series / Sprockets Arrangement

Standard Belt Width		Number of sprockets per shaft		A (mm/inch)	
mm	inch	Drive Shaft	Return Shaft	Min.	Max.
150	5,91	2	2	50/2	100/4
200	7,87	3	2	50/2	100/4
250	9,84	3	2	50/2	100/4
300	11,81	4	3	50/2	100/4
350	13,78	4	3	50/2	100/4
400	15,75	5	3	50/2	100/4
450	17,72	5	3	50/2	100/4
500	19,69	6	4	50/2	100/4
550	21,65	7	4	50/2	100/4
600	23,62	7	4	50/2	100/4
650	25,59	7	4	50/2	100/4
700	27,56	8	5	50/2	100/4
750	29,53	9	6	50/2	100/4
800	31,50	9	6	50/2	100/4
850	33,46	10	7	50/2	100/4
900	35,43	11	7	50/2	100/4
950	37,40	11	7	50/2	100/4
1000	39,37	11	7	50/2	100/4
1050	41,34	11	7	50/2	100/4
1100	43,31	12	7	50/2	100/4
1150	45,28	12	7	50/2	100/4
1200	47,24	12	7	50/2	100/4
1250	49,21	13	8	50/2	100/4
1300	51,18	13	8	50/2	100/4
1350	53,15	13	8	50/2	100/4
1400	55,12	14	8	50/2	100/4

XP254

Modular Belt Series

XP254 CR

XP254 C

XP254 PR%22

XP254 FG

Sprockets & Accessories

Engineering Information







XP254 CR

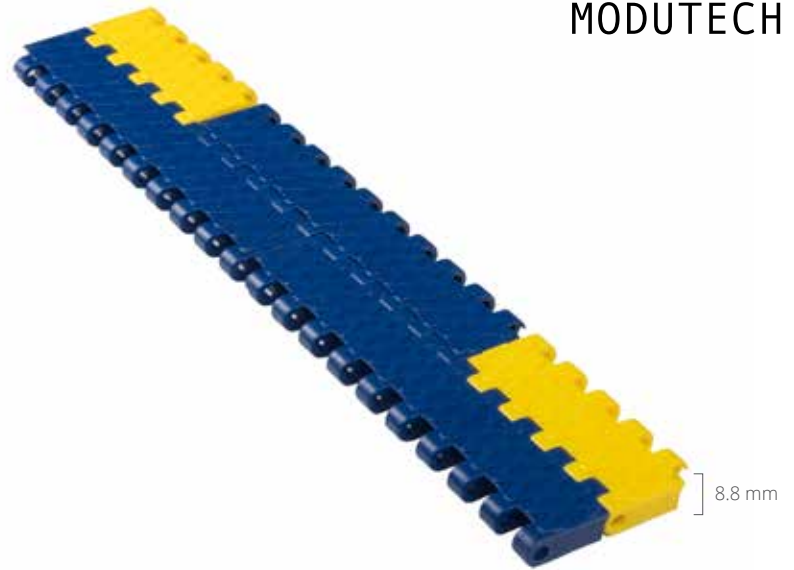
Modular Belt Series

- ***Corrugated Cardbord Applications***

Down Stracker, Corrugator Take Off, Strap Feed

XP254 CR

Pitch:	25.4 mm
Belt Surface:	Close, Non Slip Surface
Minimum Width:	50 mm
Open Area (%):	%0
Flight:	Yes (T25, T50, T75, T100)
Sidewall:	Yes (h=25 mm, h=50 mm)
Rod:	Ø4.5 mm - Self Lock
Approved:	FDA and EU
Curve:	No
Color:	Additional colors available
Cleanability:	Good
Belt Thickness:	8.8 mm



Product Features and Functional Benefits

- Chamfered belt edges.
- Unique sprocket engagement - higher product load and longer conveyors.
- Unique sprocket engagement reduces pulsation and increases load capacity.
- Close transfer applications.
- Extra power, bi-directional belt for long conveyors.
- Safety walking top surface.

Available Moulded Module Sizes

- 152.4 mm module
- 76.2 mm module
- 50 mm module

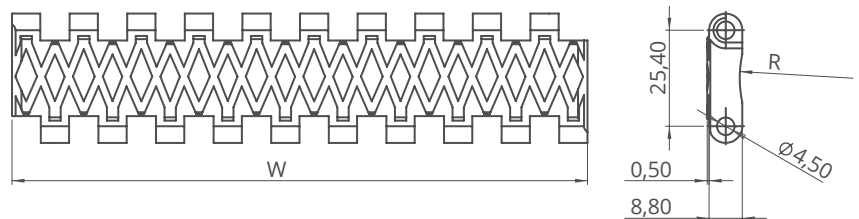
XP254 CR / Technical Information

BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		C (min.)	C (max.)	Kg/m ²
	Kg/m	N/m	Kg/m	N/m			
Polypropylene	1462	14620	-	-	+5	+90	5.50
Polyethylene	1300	13000	-	-	-73	+66	5.80
Acetal	1625	16250	-	-	-43	+110	7.90

- Belt strength and temperature values are maximum on the table.

XP254 CR / Standard Belt Widths

BELT SERIES	WIDTH (W)				Belt With Tolerance (max.)
	PP-PE		POM		
	mm	inch	mm	inch	
XP254	152,4	6"	152,4	6"	± 0,5 mm
XP254	228,6	9"	228,6	9"	± 2 mm
XP254	304,8	12"	304,8	12"	± 2 mm
XP254	381	15"	381	15"	± 3 mm
XP254	457,2	18"	457,2	18"	± 3 mm
XP254	533,4	21"	533,4	21"	± 3 mm
XP254	609,6	24"	609,6	24"	± 3 mm
XP254	685,8	27"	685,8	27"	± 4 mm
XP254	762	30"	762	30"	± 4 mm
XP254	838,2	33"	838,2	33"	± 4 mm
XP254	914,4	36"	914,4	36"	± 4 mm
XP254	990,6	39"	990,6	39"	± 4 mm
XP254	1066,8	42"	1066,8	42"	± 4 mm
XP254	1143	45"	1143	45"	± 4 mm



- Standard belt increments 76.2 mm.
- Please contact with customer service for precise belt measurements.



XP254 C

Modular Belt Series

- **Corrugated Cardbord Applications**

Down Stracker, Corrugator Take Off, Strap Feed

- **Seafood Applications**

Inspection Tables, Grading Lines, Trim Lines

- **Bakery Applications**

Row Dough Handling, Cooling Lines, Packing Lines

- **Snack Food Applications**

Corn Processing

- **Fruits and Vegetables Applications**

Bulk Feeding, Elevator, Control - Sorting Table

- **Tire Manufacturing Applications**

Mixer Infeed - Outfeed, Calendering Infeed, Extrusion Outfeed

- **Packaging Applications**

Labelling, Case Packers, Tray Packers, Palletizing - Depalletizing

- **Printing and Paper Applications**

Printing Machine Outfeed, Wrapping Machine Outfeed

- **Beverages and Bottling Applications**

Can Palletizing and Depalletizing, Glass Palletizing and Depalletizing,

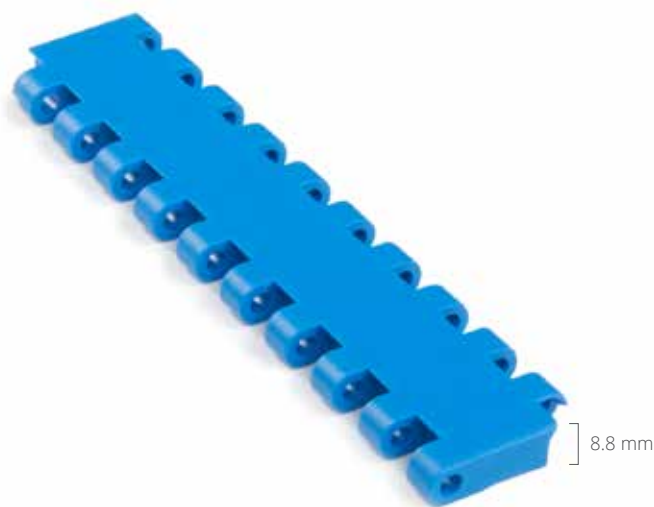
Pet Palletizing and Depalletizing

- **Material Handling Applications**

Incline Applications, Palletizers, Packaging Lines

XP254 C

Pitch:	25.4 mm
Belt Surface:	Close, Smooth Surface
Minimum Width:	76,2 mm
Open Area (%):	%0
Flight:	Yes (T25, T50, T75, T100)
Sidewall:	Yes (h=25 mm, h=50 mm)
Rod:	Ø4.5 mm
Approved:	FDA and EU
Curve:	No
Color:	Additional colors available
Cleanability:	Good
Belt Thickness:	8.8 mm



Product Features and Functional Benefits

- Unique sprocket engagement - higher product load and longer conveyors.
- Unique sprocket engagement reduces pulsation and increases load capacity.
- Close transfer applications.
- Extra power, bi-directional belt for long conveyors.
- Chamfered belt edges.

Available Moulded Module Sizes

- 152.4 mm module
- 76.2 mm module

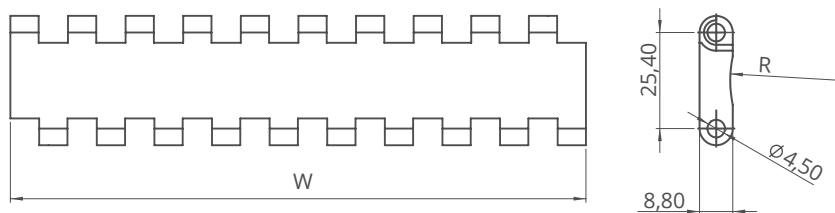
XP254 C / Technical Information

BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		C (min.)	C (max.)	Kg/m ²
	Kg/m	N/m	Kg/m	N/m			
Polypropylene	1462	14620	-	-	+5	+90	5.50
Polyethylene	1300	13000	-	-	-73	+66	5.80
Acetal	1625	16250	-	-	-43	+110	7.90

- Belt strength and temperature values are maximum on the table.

XP254 C / Standard Belt Widths

BELT SERIES	WIDTH (W)				Belt With Tolerance (max.)
	PP-PE		POM		
	mm	inch	mm	inch	
XP254	152,4	6"	152,4	6"	± 0,5 mm
XP254	228,6	9"	228,6	9"	± 2 mm
XP254	304,8	12"	304,8	12"	± 2 mm
XP254	381	15"	381	15"	± 3 mm
XP254	457,2	18"	457,2	18"	± 3 mm
XP254	533,4	21"	533,4	21"	± 3 mm
XP254	609,6	24"	609,6	24"	± 3 mm
XP254	685,8	27"	685,8	27"	± 4 mm
XP254	762	30"	762	30"	± 4 mm
XP254	838,2	33"	838,2	33"	± 4 mm
XP254	914,4	36"	914,4	36"	± 4 mm
XP254	990,6	39"	990,6	39"	± 4 mm
XP254	1066,8	42"	1066,8	42"	± 4 mm
XP254	1143	45"	1143	45"	± 4 mm



- Standard belt increments 76.2 mm.
- Non standard belt increments 15 mm.
- Please contact with customer service for precise belt measurements.



XP254 PR%22

Modular Belt Series

• Meat and Poultry Applications

General Conveyance and Breeding Lines

• Fruit and Vegetable Application

Elevators, Steam Peeler, Inspection Tables, Blanching Lines

• Seafood Applications

Elevators, Inspection Tables, Grading Lines, Trim Lines, Glazing Lines, Cooking Lines

• Bakery Applications

*Row Dough Handling, Cooling Lines, Icing Lines, Packing Lines,
Metal Detectors*

XP254 PR%22

Pitch:	25.4 mm
Belt Surface:	Open, Smooth Surface
Minimum Width:	76,2 mm
Open Area (%):	%22
Flight:	Yes (T25, T50, T75, T100)
Sidewall:	Yes (h=25 mm, h=50 mm)
Rod:	Ø4.5 mm - Self Lock
Approved:	FDA and EU
Curve:	No
Color:	Additional colors available
Cleanability:	Good
Belt Thickness:	8.8 mm



Product Features and Functional Benefits

- Unique sprocket engagement - precise indexing, easy cleaning.
- Different openings to optimize performance in cooling and draining applications.
- Extra power, bi-directional belt for long conveyors.
- Unique sprocket engagement reduces pulsation and increases load capacity.
- Chamfered belt edges.

Available Moulded Module Sizes

- 152.4 mm module
- 76.2 mm module

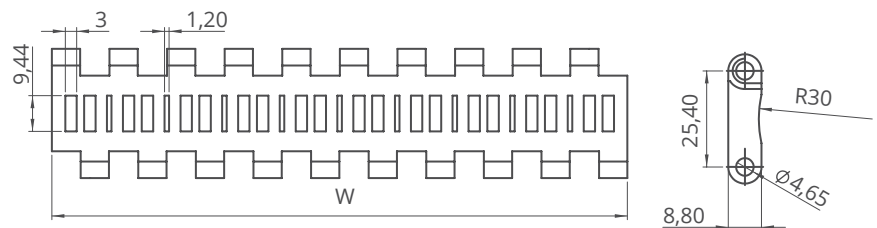
XP254 PR%22 / Technical Information

BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		C (min.)	C (max.)	Kg/m ²
	Kg/m	N/m	Kg/m	N/m			
Polypropylene	1462	14620	-	-	+5	+90	5.50
Polyethylene	1300	13000	-	-	-73	+66	5.80
Acetal	1625	16250	-	-	-43	+110	7.90

- Belt strength and temperature values are maximum on the table.

XP254 PR%22 / Standard Belt Widths

BELT SERIES	WIDTH (W)				Belt With Tolerance (max.)
	PP-PE		POM		
	mm	inch	mm	inch	
XP254	152,4	6"	152,4	6"	± 0,5 mm
XP254	228,6	9"	228,6	9"	± 2 mm
XP254	304,8	12"	304,8	12"	± 2 mm
XP254	381	15"	381	15"	± 3 mm
XP254	457,2	18"	457,2	18"	± 3 mm
XP254	533,4	21"	533,4	21"	± 3 mm
XP254	609,6	24"	609,6	24"	± 3 mm
XP254	685,8	27"	685,8	27"	± 4 mm
XP254	762	30"	762	30"	± 4 mm
XP254	838,2	33"	838,2	33"	± 4 mm
XP254	914,4	36"	914,4	36"	± 4 mm
XP254	990,6	39"	990,6	39"	± 4 mm
XP254	1066,8	42"	1066,8	42"	± 4 mm
XP254	1143	45"	1143	45"	± 4 mm



- Standard belt increments 76.2 mm.
- Non standard belt increments 15 mm.
- Please contact with customer service for precise belt measurements.



XP254 FG

Modular Belt Series

- ***Seafood Applicaitons***

Breeding Machines, Draining Lines, Glazing Lines, Elevators, Freezing Lines

- ***Snack Food Applications***

Proofer Lines, Boiler Infeed, Oven Infeed - Outfeed, Cooling Lines

- ***Fruits and Vegetables Applications***

Prewashing - Rinsing, Draining, Blanching Lines, Elevators

- ***Packaging Applications***

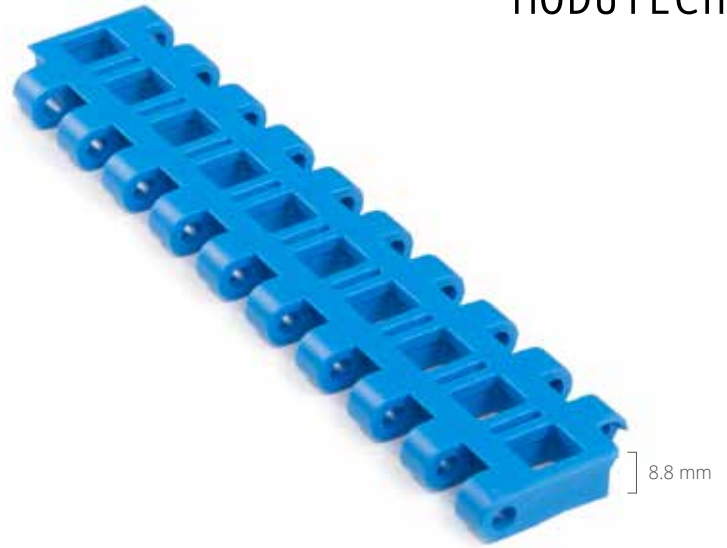
Filling, Accumulation Palletizing - Depalletizing, Box Transfer

- ***Textile Applications***

Cutter, Dyeing

XP254 FG

Pitch:	25.4 mm
Belt Surface:	Open, Smooth Surface
Minimum Width:	76,2 mm
Open Area (%):	%28. (Biggest opening 8.44x9.44 mm)
Flight:	Yes (T25, T50, T75, T100)
Sidewall:	Yes (h=25 mm, h=50 mm)
Rod:	Ø4.5 mm - Self Lock
Approved:	FDA and EU
Curve:	No
Color:	Additional colors available
Cleanability:	Good
Belt Thickness:	8.8 mm



Product Features and Functional Benefits

- Unique sprocket engagement - higher product load and longer conveyors.
- Unique sprocket engagement reduces pulsation and increases load capacity.
- Close transfer applications.
- High power, bi-directional belt for long conveyors.

Available Moulded Module Sizes

- 152.4 mm module
- 76.2 mm module

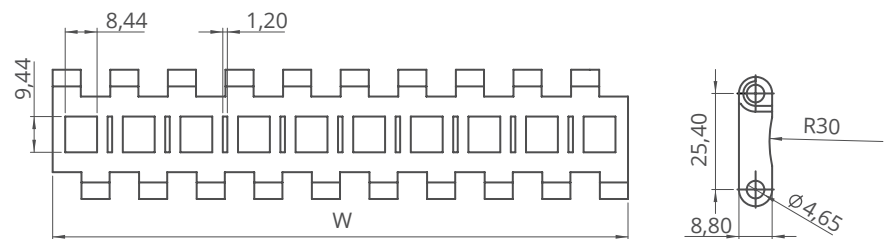
XP254 FG / Technical Information

BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		C (min.)	C (max.)	Kg/m²
	Kg/m	N/m	Kg/m	N/m			
Polypropylene	1462	14620	-	-	+5	+90	5.50
Polyethylene	1300	13000	-	-	-73	+66	5.80
Acetal	1625	16250	-	-	-43	+110	7.90

- Belt strength and temperature values are maximum on the table.

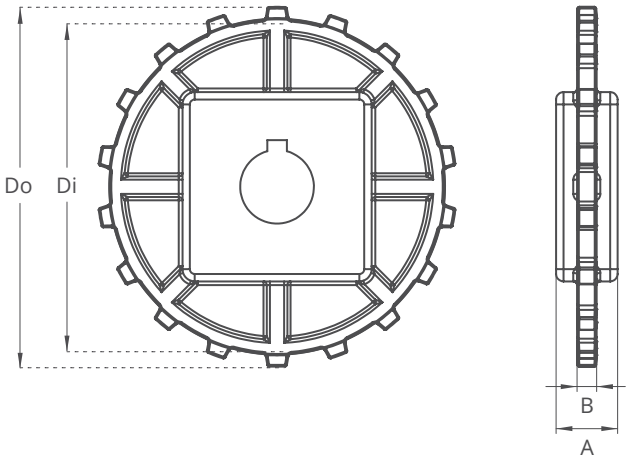
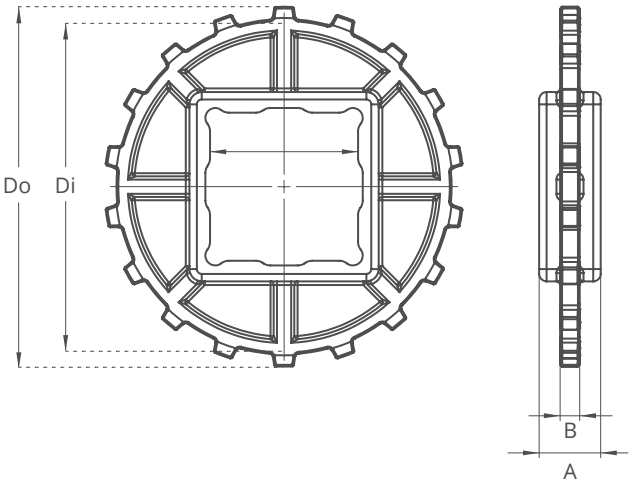
XP254 FG / Standard Belt Widths

BELT SERIES	WIDTH (W)				Belt With Tolerance (max.)
	PP-PE		POM		
	mm	inch	mm	inch	
XP254	152,4	6"	152,4	6"	± 0,5 mm
XP254	228,6	9"	228,6	9"	± 2 mm
XP254	304,8	12"	304,8	12"	± 2 mm
XP254	381	15"	381	15"	± 3 mm
XP254	457,2	18"	457,2	18"	± 3 mm
XP254	533,4	21"	533,4	21"	± 3 mm
XP254	609,6	24"	609,6	24"	± 3 mm
XP254	685,8	27"	685,8	27"	± 4 mm
XP254	762	30"	762	30"	± 4 mm
XP254	838,2	33"	838,2	33"	± 4 mm
XP254	914,4	36"	914,4	36"	± 4 mm
XP254	990,6	39"	990,6	39"	± 4 mm
XP254	1066,8	42"	1066,8	42"	± 4 mm
XP254	1143	45"	1143	45"	± 4 mm



- Standard belt increments 76.2 mm.
- Non standard belt increments 15 mm.
- Please contact with customer service for precise belt measurements.

XP254 Series *Sprockets and Technical Specifications*



XP254 Series / Standard Sprockets Dimensions

NO.TEETH	Di	Do	B	A	Square Bore (Q)	Round Bore (R)	PRODUCT CODE	
							Square Type (Q)	Round Type (R)
Z8	53.2 mm	64 mm	8.0 mm	25.0 mm	25.0 mm	25.0 / 30.0	XP254SQZ8*PA	XP254SRZ8*PA
Z10	71.6 mm	82.5 mm	8.0 mm	25.0 mm	40.0 mm	25.0 / 30.0	XP254SQZ10*PA	XP254SRZ10*PA
Z12	89.0 mm	99.5 mm	8.0 mm	25.0 mm	40.0 mm	25.0 / 30.0	XP254SQZ12*PA	XP254SRZ12*PA
Z15	114.0 mm	124.0 mm	8.0 mm	25.0 mm	40.0 / 60.0 mm	25.0 / 30.0	XP254SQZ15*PA	XP254SRZ15*PA
Z18	136.4 mm	146.4 mm	8.0 mm	25.0 mm	40.0 / 60.0 mm	25.0 / 30.0	XP254SQZ18*PA	XP254SRZ18*PA

*Other sprockets and hub sizes are manufactured up to request. *POM (Acetal) and PP (Polypropylene) sprockets raw material is available on request.
*Split sprockets are available for each size.



Clamb



Machined Split Sprocket

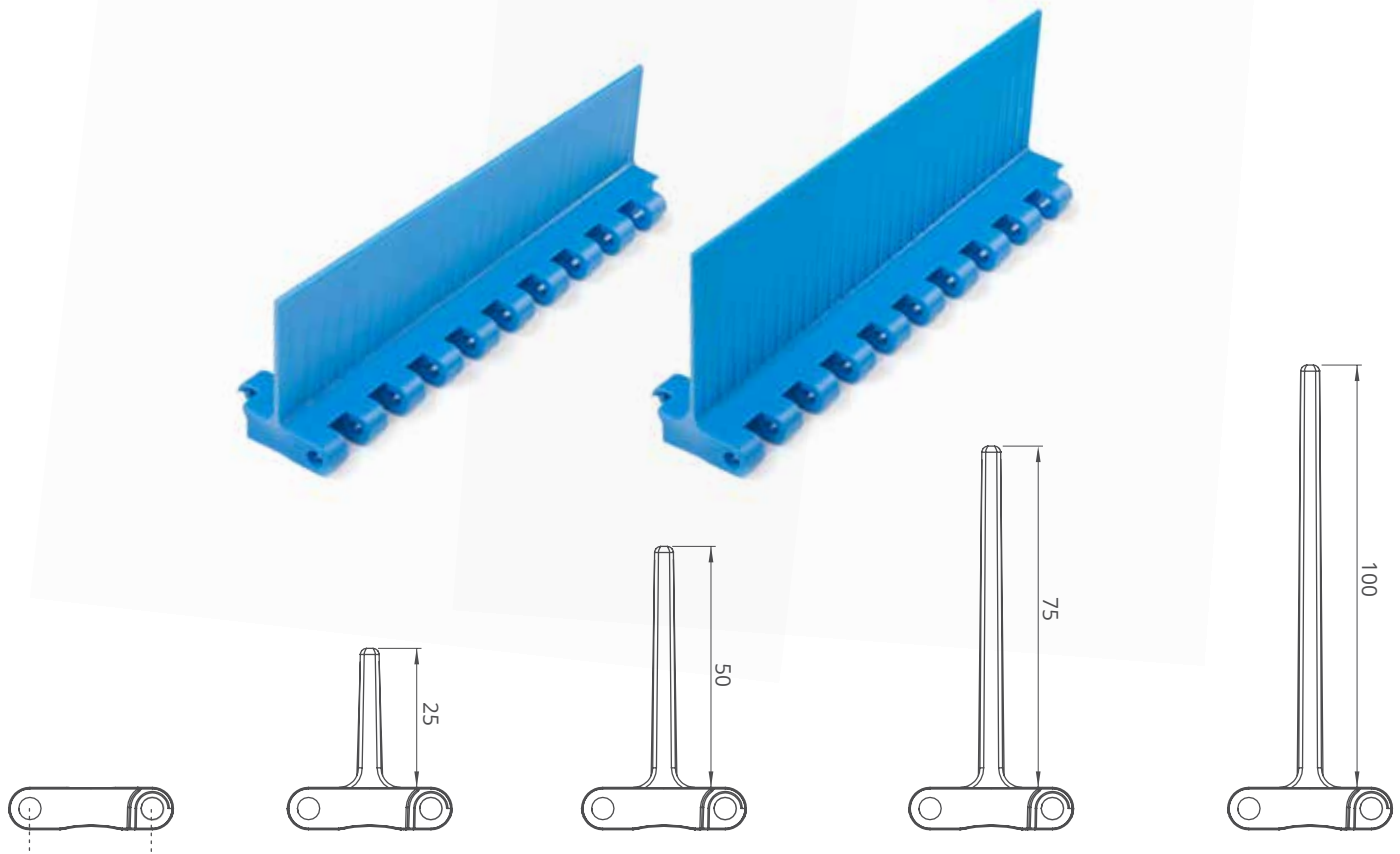


Moulded Sprocket



Machined Sprocket

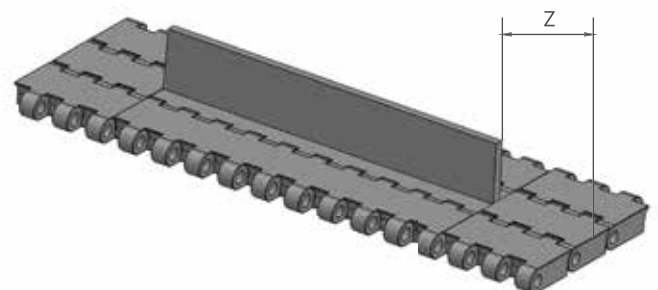
XP254 Series *Accessories and Technical Specifications*



* Additional flight dimensions are available up to 75 mm.

XP254 Series / Flight Technical Specifications

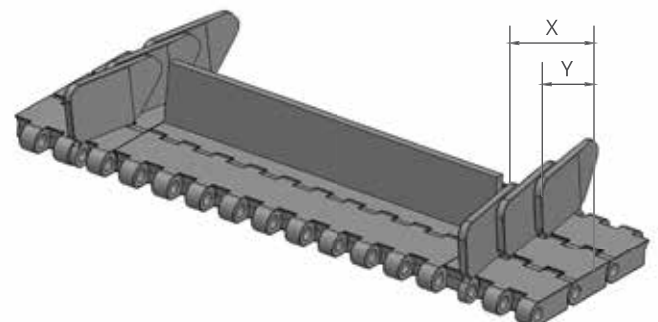
Possible Flight Indents for 25,4 mm Series	Z	
	(mm)	(inch)
Standart, no module cutting	15	0,59
Standart, no module cutting	30	1,18
Standart, no module cutting	45	1,77
Standart, no module cutting	60	2,36
Standart, no module cutting	75	2,95



*Non-standard flight indent is on request.

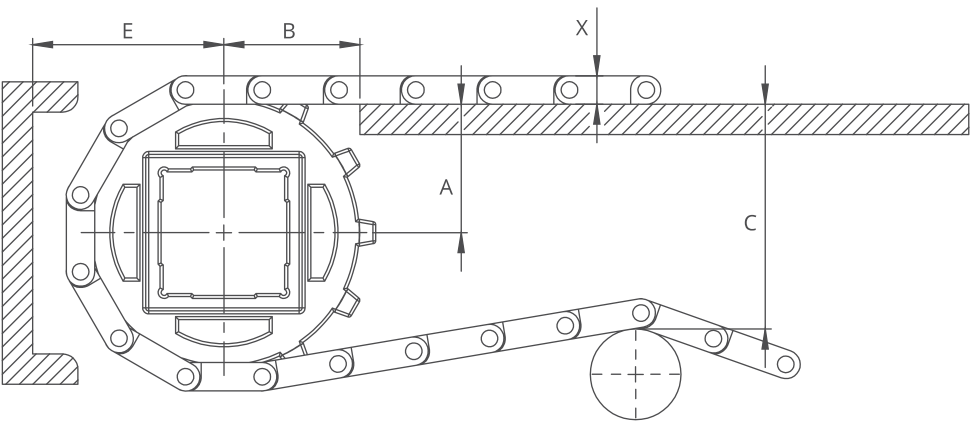
XP254 Series / Sidewall Technical Specifications

Possible Sidewall and Flight Indents	X		Y	
	(mm)	(inch)	(mm)	(inch)
Standart, no module cutting	24	0,94	15	0,59
Module cutting necessary	32	1,26	22	0,87
Standart, no module cutting	40	1,57	30	1,18
Module cutting necessary	48	1,89	37	1,46
Standart, no module cutting	56	2,20	45	1,77
Module cutting necessary	64	2,52	53	2,09



Note: Gap between flight and sidewall minimum 2-3 mm
Gap between flight and sidewall maximum 10 mm

XP254 Series *Engineering Information*

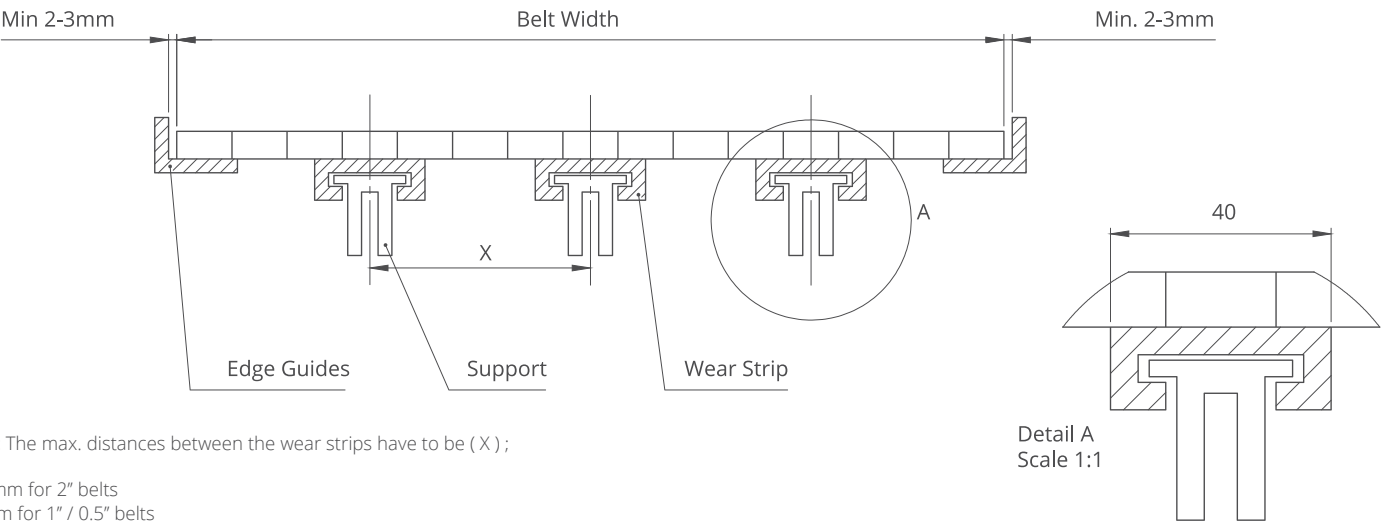


A - ± 0,031" (1mm) C - ± (Max.)
B - ± 0,125" (3mm) E - ± (Min.)

XP254 Series / Conveyor Frame Dimensions

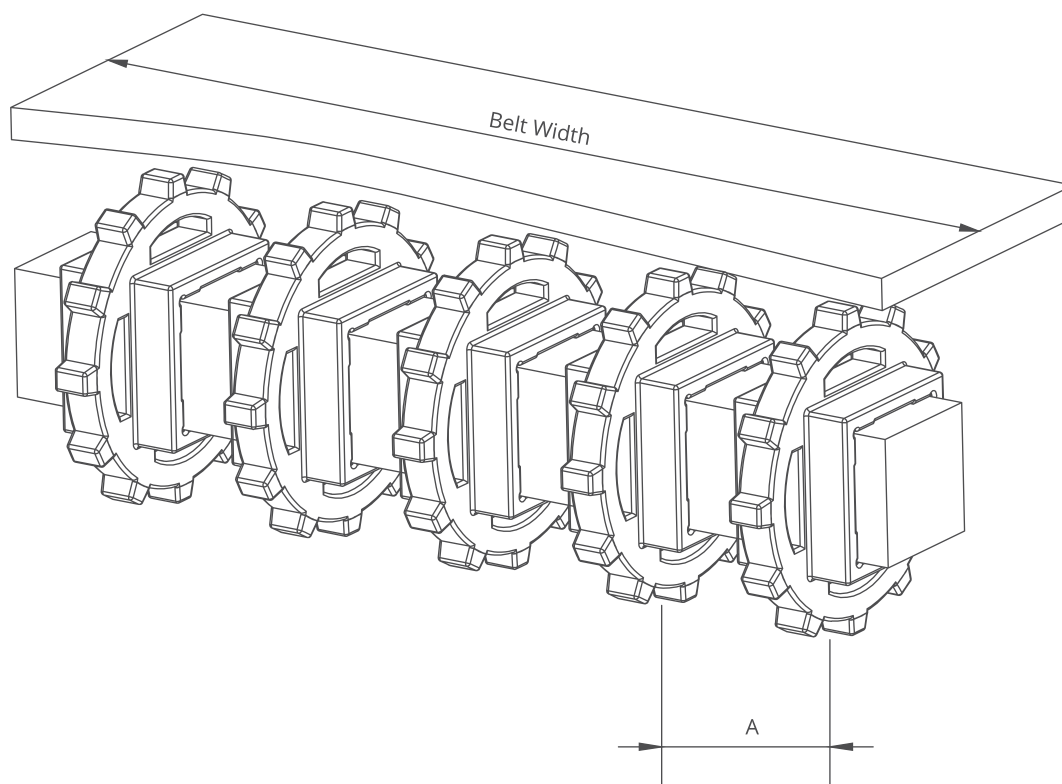
Sprockets Description			A		B		C		E		X	
Pitch Diameter		No.Teeth	Range (Bottom to Top)		In.	mm	In.	mm	In.	mm	In.	mm
In.	mm		In.	mm								
XP254 C, XP254 PR%22, XP254 FG												
3,07	78	10	1,45	36,75	1,65	42	2,36	60	2,23	56,75	0,39	10
3,70	94	12	1,79	45,5	1,77	45	2,95	75	2,58	65,5	0,39	10
4,61	117	15	2,15	54,5	2,01	51	3,35	85	2,93	74,5	0,39	10
5,59	142	18	2,76	70	2,17	55	4,33	110	3,54	90	0,39	10
XP 254 CR												
3,07	78	10	1,45	36,75	1,65	42	2,48	63	2,35	59,75	0,51	13
3,70	94	12	1,79	45,5	1,77	45	3,07	78	2,70	68,5	0,51	13
4,61	117	15	2,15	54,5	2,01	51	3,46	88	3,05	77,5	0,51	13
5,59	142	18	2,76	70	2,17	55	4,45	113	3,66	93	0,51	13

XP254 Series / Slider Support System For Straight Running Belts



Note: The max. distances between the wear strips have to be (X) ;

125 mm for 2" belts
80 mm for 1" / 0.5" belts



XP254 Series / Sprockets Arrangement

Standard Belt Width		Number of sprockets per shaft		A (mm/inch)	
mm	inch	Drive Shaft	Return Shaft	Min.	Max.
152,4	6	2	2	60/2,36	170/6,6
228,6	9	2	2	60/2,36	170/6,6
304,8	12	3	2	60/2,36	170/6,6
381	15	4	3	60/2,36	170/6,6
457,2	18	5	3	60/2,36	170/6,6
533,4	21	5	3	60/2,36	170/6,6
609,6	24	6	3	60/2,36	170/6,6
685,8	27	6	4	60/2,36	170/6,6
762	30	7	4	60/2,36	170/6,6
838,2	33	7	4	60/2,36	170/6,6
914,4	36	8	4	60/2,36	170/6,6
990,6	39	8	5	60/2,36	170/6,6
1066,8	42	9	5	60/2,36	170/6,6
1143	45	9	5	60/2,36	170/6,6
1219,2	48	10	5	60/2,36	170/6,6
1295,4	51	10	6	60/2,36	170/6,6
1371,6	54	11	7	60/2,36	170/6,6
1447,8	57	11	7	60/2,36	170/6,6
1524	60	12	7	60/2,36	170/6,6
1600,2	63	12	8	60/2,36	170/6,6
1676,4	66	12	8	60/2,36	170/6,6
1752,6	69	13	8	60/2,36	170/6,6
1828,8	72	14	9	60/2,36	170/6,6
1905	75	14	9	60/2,36	170/6,6
1981,2	78	15	10	60/2,36	170/6,6
2057,4	81	15	10	60/2,36	170/6,6

Note: Number of sprockets depends on the belt load.

EC254

Modular Belt Series

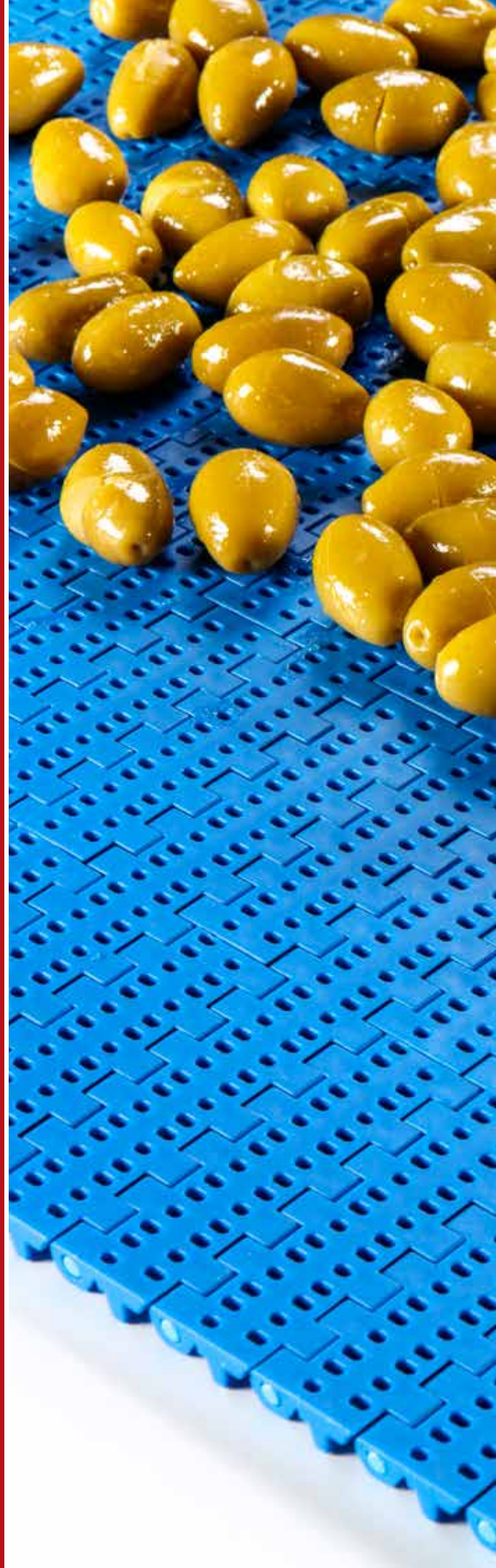
EC254 C

EC254 PR%16

EC254 NT

Sprockets & Accessories

Engineering Information







EC254 C

Modular Belt Series

- **Meat (Beef and Pork) Applications**

Fat - Trim Lines, General Conveyence, Packing Lines, Elevator

- **Poultry Applications**

Debonning, Trim Lines, Offal - Feather Lines, Grading Lines, Freezing Lines, Elevator

- **Seafood Applications**

Inspection Tables, Grading Lines, Trim Lines

- **Bakery Applications**

Row Dough Handling, Cooling Lines, Packing Lines

- **Snack Food Applications**

Corn Processing

- **Fruits and Vegetables Applications**

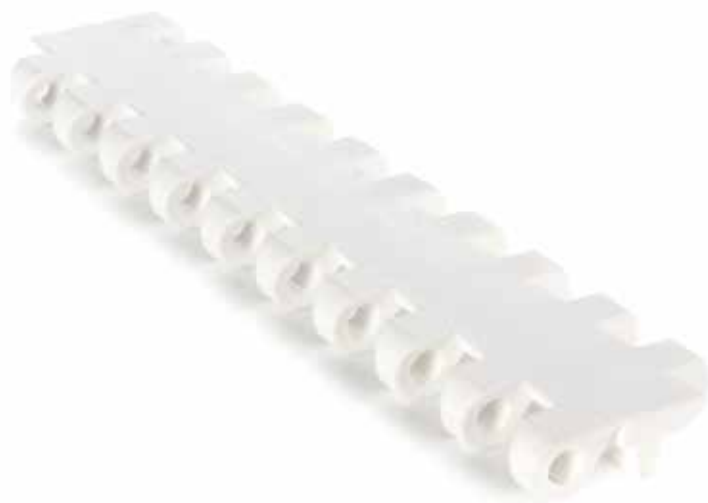
Bulk Feeding, Elevator, Control - Sorting Table

- **Packaging Applications**

Labelling, Palletizing - Depalletizing

EC254 C

Pitch:	25.4 mm
Belt Surface:	Close, Smooth Surface
Minimum Width:	152.4 mm
Open Area (%):	%0
Flight:	Yes (T25, T50, T75, T100)
Sidewall:	Yes (h=25 mm, h=50 mm)
Rod:	Ø5 mm - Self Lock
Approved:	FDA and EU
Curve:	No
Color:	Additional colors available
Cleanability:	Excellent
Belt Thickness:	10 mm



Product Features and Functional Benefits

- Easy to clean reduces downtime for cleaning time %70.
- Unique sprocket engagement - higher product load and longer conveyors.
- Close transfer applications.
- Reduces bacteria growth.

Available Moulded Module Sizes

- 152.4 mm module
- 76.2 mm module
- 45 mm module
- 30 mm module

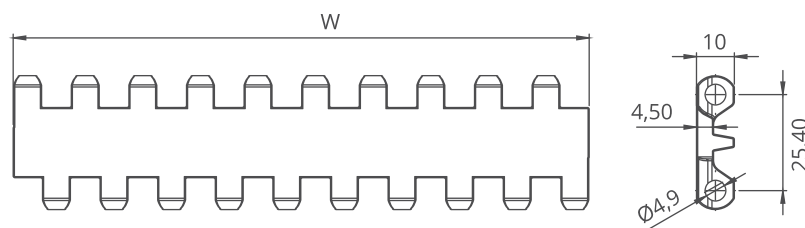
EC254 C / Technical Information

BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		C (min.)	C (max.)	Kg/m ²
	Kg/m	N/m	Kg/m	N/m			
Polypropylene	1170	11700	-	-	+5	+90	4.50
Polyethylene	1050	10500	-	-	-73	+66	5.00
Acetal	1465	14650	-	-	-43	+110	6.60

- Belt strength and temperature values are maximum on the table.

EC254 C / Standard Belt Widths

BELT SERIES	WIDTH (W)				Belt With Tolerance (max.)
	PP-PE		POM		
	mm	inch	mm	inch	
EC254	152,4	6"	152,4	6"	± 0,5 mm
EC254	228,6	9"	228,6	9"	± 2 mm
EC254	304,8	12"	304,8	12"	± 2 mm
EC254	381	15"	381	15"	± 3 mm
EC254	457,2	18"	457,2	18"	± 3 mm
EC254	533,4	21"	533,4	21"	± 3 mm
EC254	609,6	24"	609,6	24"	± 3 mm
EC254	685,8	27"	685,8	27"	± 4 mm
EC254	762	30"	762	30"	± 4 mm
EC254	838,2	33"	838,2	33"	± 4 mm
EC254	914,4	36"	914,4	36"	± 4 mm
EC254	990,6	39"	990,6	39"	± 4 mm
EC254	1066,8	42"	1066,8	42"	± 4 mm
EC254	1143	45"	1143	45"	± 4 mm



- Standard belt increments 76.2 mm.
- Non standard belt increments 15 mm.
- Please contact with customer service for precise belt measurements.



EC254 PR%16

Modular Belt Series

- ***Meat and Poultry Applications***

General Conveyance and Breeding Lines

- ***Fruit and Vegetable Applications***

Including Elevators, Steam Peeler, Inspection Tables

- ***Seafood Applications***

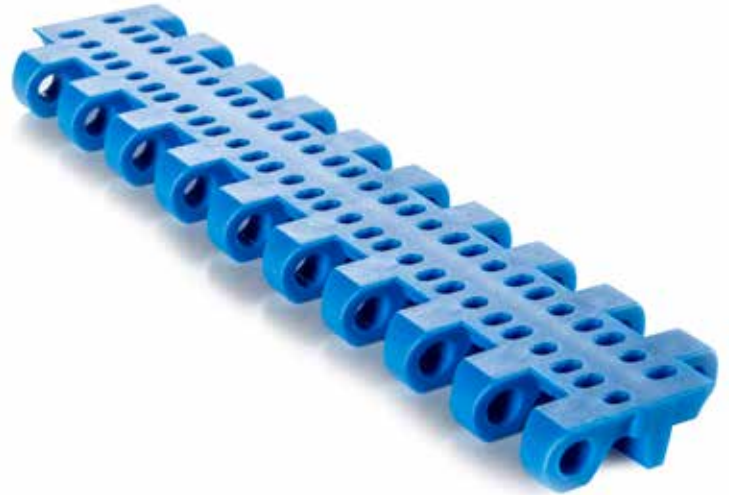
*Including Elevators, Inspection Tables, Grading Lines,
Trim Lines, Glazing Lines, Cooking Lines*

- ***Bakery Applications***

*Including Raw Dough Handling, Cooling Lines,
Icing Lines, Packing Lines, Metal Detectors*

EC254 PR%16

Pitch:	25.4 mm
Belt Surface:	Open, Smooth Surface
Minimum Width:	152.4 mm
Open Area (%):	%16. (Biggest opening 2.5x3.7 mm)
Flight:	Yes (T25, T50, T75, T100)
Sidewall:	Yes (h=25 mm, h=50 mm)
Rod:	Ø5 mm - Self Lock
Approved:	FDA and EU
Curve:	No
Color:	Additional colors available
Cleanability:	Excellent
Belt Thickness:	10 mm



Product Features and Functional Benefits

- Unique sprocket engagement - precise indexing, easy cleaning.
- Different openings to optimize performance in cooling and draining applications.
- Easy to clean reduces downtime for cleaning time %70.
- Reduces bacteria growth.

Available Moulded Module Sizes

- 152.4 mm module
- 76.2 mm module
- 45 mm module
- 30 mm module

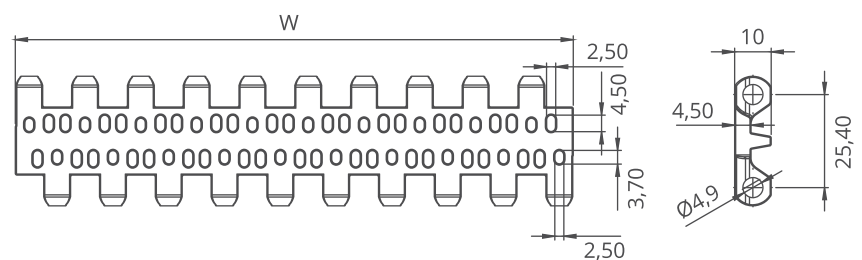
EC254 PR%16 / Technical Information

BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		C (min.)	C (max.)	Kg/m ²
	Kg/m	N/m	Kg/m	N/m			
Polypropylene	936	9360	-	-	+5	+90	3.80
Polyethylene	850	8500	-	-	-73	+66	4.20
Acetal	1310	13100	-	-	-43	+110	5.70

- Belt strength and temperature values are maximum on the table.

EC254 PR%16 / Standard Belt Widths

BELT SERIES	WIDTH (W)				Belt With Tolerance (max.)
	PP-PE		POM		
	mm	inch	mm	inch	
EC254	152,4	6"	152,4	6"	± 0,5 mm
EC254	228,6	9"	228,6	9"	± 2 mm
EC254	304,8	12"	304,8	12"	± 2 mm
EC254	381	15"	381	15"	± 3 mm
EC254	457,2	18"	457,2	18"	± 3 mm
EC254	533,4	21"	533,4	21"	± 3 mm
EC254	609,6	24"	609,6	24"	± 3 mm
EC254	685,8	27"	685,8	27"	± 4 mm
EC254	762	30"	762	30"	± 4 mm
EC254	838,2	33"	838,2	33"	± 4 mm
EC254	914,4	36"	914,4	36"	± 4 mm
EC254	990,6	39"	990,6	39"	± 4 mm
EC254	1066,8	42"	1066,8	42"	± 4 mm
EC254	1143	45"	1143	45"	± 4 mm



- Standard belt increments 76.2 mm.
- Non standard belt increments 15 mm.
- Please contact with customer service for precise belt measurements.



EC254 NT

Modular Belt Series

- ***Meat (Beef and Pork) Applications***

Elevator

- ***Poultry Applications***

Elevator, Freezing Lines

- ***Seafood Applications***

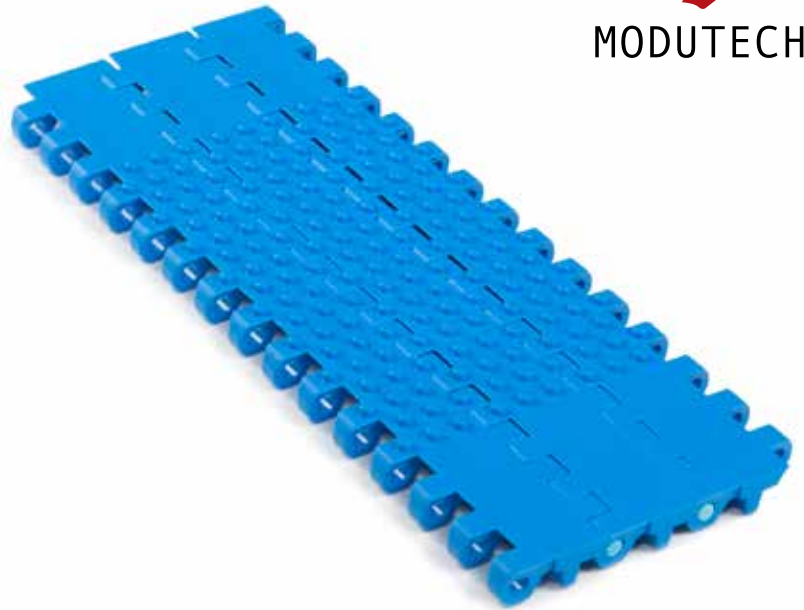
Control Tables, Glazing

- ***Fruits and Vegetables***

Including Elevator

EC254 NT

Pitch:	25.4 mm
Belt Surface:	Closed, Nub Top Surface
Minimum Width:	152.4 mm
Open Area (%):	%0.
Flight:	Yes (T25, T50, T75, T100)
Sidewall:	Yes (h=25 mm, h=50 mm)
Rod:	Ø5 mm - Self Lock
Approved:	FDA and EU
Curve:	No
Color:	Additional colors available
Cleanability:	Excellent
Belt Thickness:	10 mm



Product Features and Functional Benefits

- Easy to clean reduces downtime for cleaning time %70.
- Reduces bacteria growth.
- Non-adhesive due to reduced contact surface.
- Close transfer applications.

Available Moulded Module Sizes

- 152.4 mm module

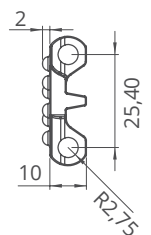
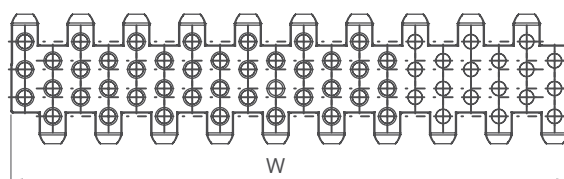
EC254 NT / Technical Information

BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		C (min.)	C (max.)	Kg/m ²
	Kg/m	N/m	Kg/m	N/m			
Polypropylene	1170	11700	-	-	+5	+90	4.50
Polyethylene	1050	10500	-	-	-73	+66	5.00
Acetal	1465	14650	-	-	-43	+110	6.60

- Belt strength and temperature values are maximum on the table.

EC254 NT / Standard Belt Widths

BELT SERIES	WIDTH (W)				Belt With Tolerance (max.)
	PP-PE		POM		
	mm	inch	mm	inch	
EC254	152,4	6"	152,4	6"	± 0,5 mm
EC254	228,6	9"	228,6	9"	± 2 mm
EC254	304,8	12"	304,8	12"	± 2 mm
EC254	381	15"	381	15"	± 3 mm
EC254	457,2	18"	457,2	18"	± 3 mm
EC254	533,4	21"	533,4	21"	± 3 mm
EC254	609,6	24"	609,6	24"	± 3 mm
EC254	685,8	27"	685,8	27"	± 4 mm
EC254	762	30"	762	30"	± 4 mm
EC254	838,2	33"	838,2	33"	± 4 mm
EC254	914,4	36"	914,4	36"	± 4 mm
EC254	990,6	39"	990,6	39"	± 4 mm
EC254	1066,8	42"	1066,8	42"	± 4 mm
EC254	1143	45"	1143	45"	± 4 mm



- Standard belt increments 76.2 mm.
- Non standard belt increments 15 mm.
- Please contact with customer service for precise belt measurements.

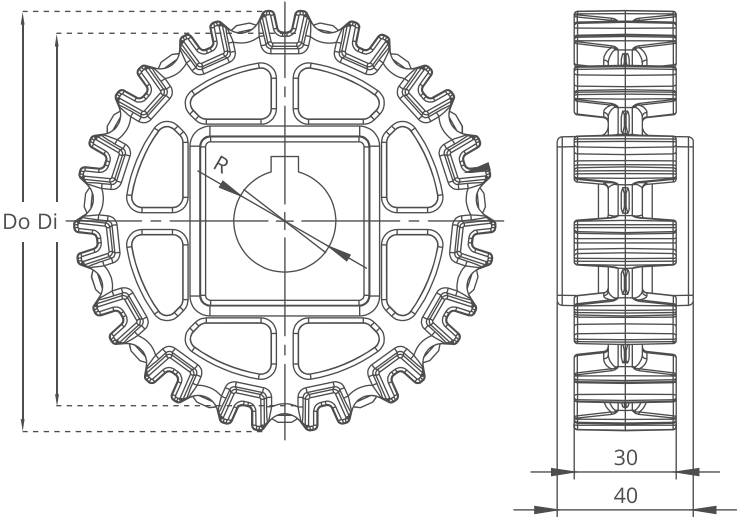
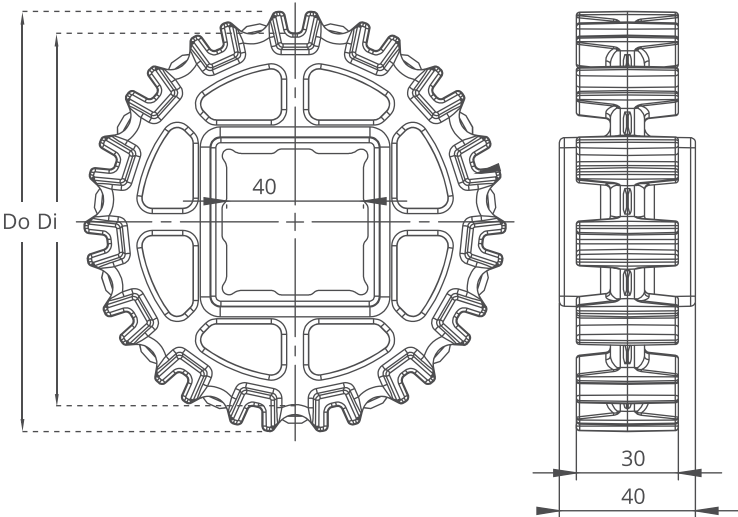
EC254 Series *Sprockets and Technical Specifications*



Z15



Z15



EC254 Series / Standard Sprockets Dimensions

NO.TEETH	Di	Do	B	A	Square Bore (Q)	Round Bore (R)	PRODUCT CODE	
							Square Type (Q)	Round Type (R)
Z8	51,6	64,6	30,0	40,0 mm	25,0 mm	25,0 / 30,0	EC254SQZ8*PA	EC254SRZ8*PA
Z10	68,8	81,8	30,0	40,0 mm	40,0 mm	25,0 / 30,0	EC254SQZ10*PA	EC254SRZ10*PA
Z12	85,5	98,8	30,0	40,0 mm	40,0 mm	25,0 / 30,0	EC254SQZ12*PA	EC254SRZ12*PA
Z15	111,1	124,1	30,0	40,0 mm	40,0 mm	25,0 / 30,0	EC254SQZ15*PA	EC254SRZ15*PA
Z18	136,1	149,1	30,0	40,0 mm	40,0 mm	25,0 / 30,0	EC254SQZ18*PA	EC254SRZ18*PA

*Other sprockets and hub sizes are manufactured up to request. *POM (Acetal) and PP (Polypropylene) sprockets raw material is available on request.



Clamb



Machined Split Sprocket

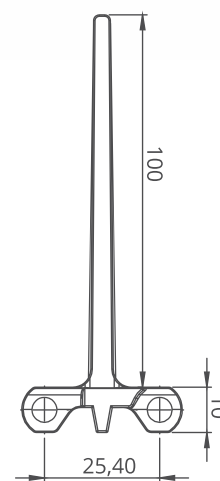
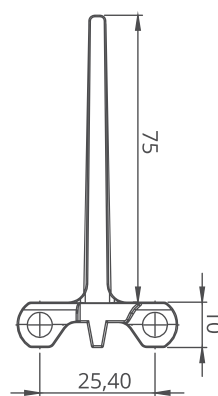
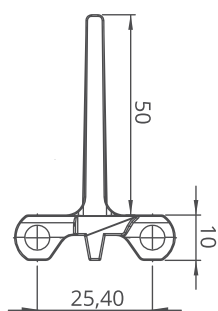
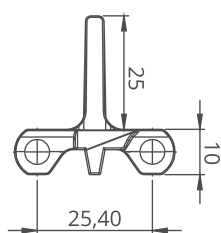


Moulded Sprocket



Machined Sprocket

EC254 Series *Accessories and Technical Specifications*

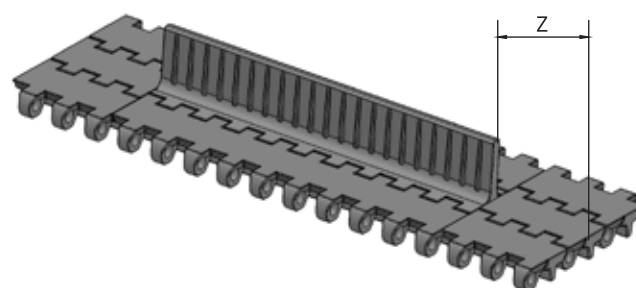


* Additional flight dimensions are available up to 100 mm.

EC254 Series / Flight Technical Specifications

Possible Flight Indents for 25,4 mm Series	Z	
	(mm)	(inch)
Standart, no module cutting	15	0,59
Standart, no module cutting	30	1,18
Standart, no module cutting	45	1,77
Standart, no module cutting	60	2,36
Standart, no module cutting	75	2,95

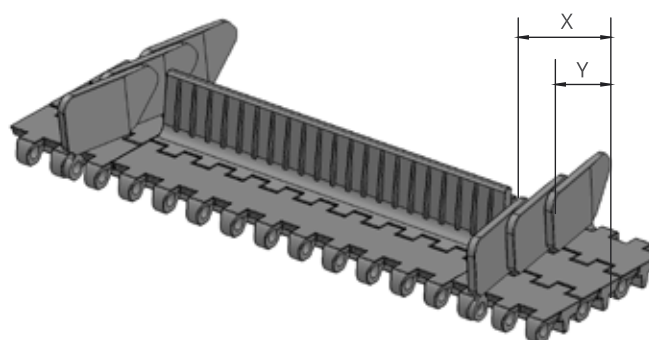
*Non-standard flight indent is on request.



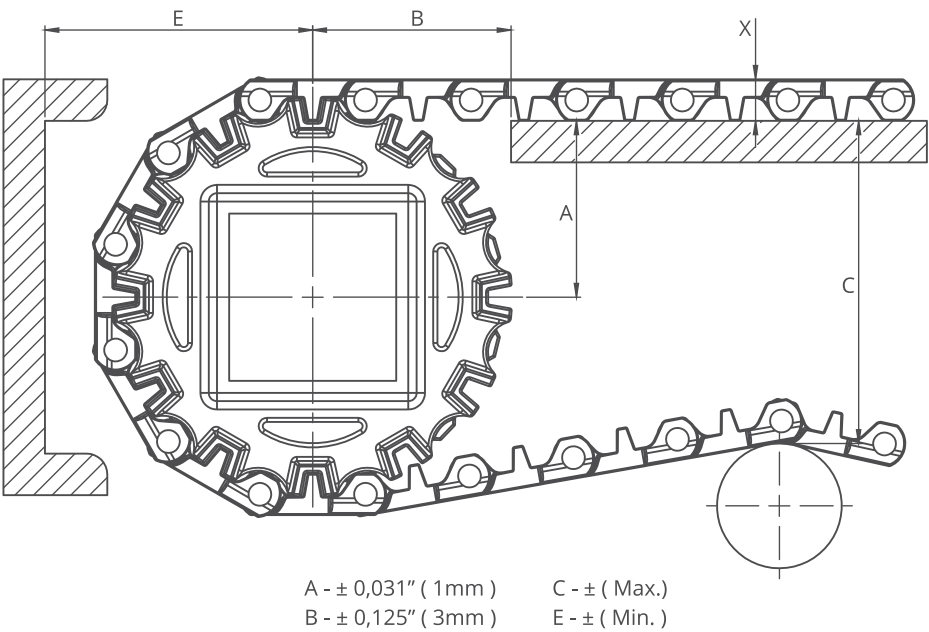
EC254 Series / Sidewall Technical Specifications

Possible Sidewall and Flight Indents	X		Y	
	(mm)	(inch)	(mm)	(inch)
Standart, no module cutting	24	0,94	15	0,59
Module cutting necessary	32	1,26	22	0,87
Standart, no module cutting	40	1,57	30	1,18
Module cutting necessary	48	1,89	37	1,46
Standart, no module cutting	56	2,20	45	1,77
Module cutting necessary	64	2,52	53	2,09

Note: Gap between flight and sidewall minimum 2-3 mm
Gap between flight and sidewall maximum 10 mm



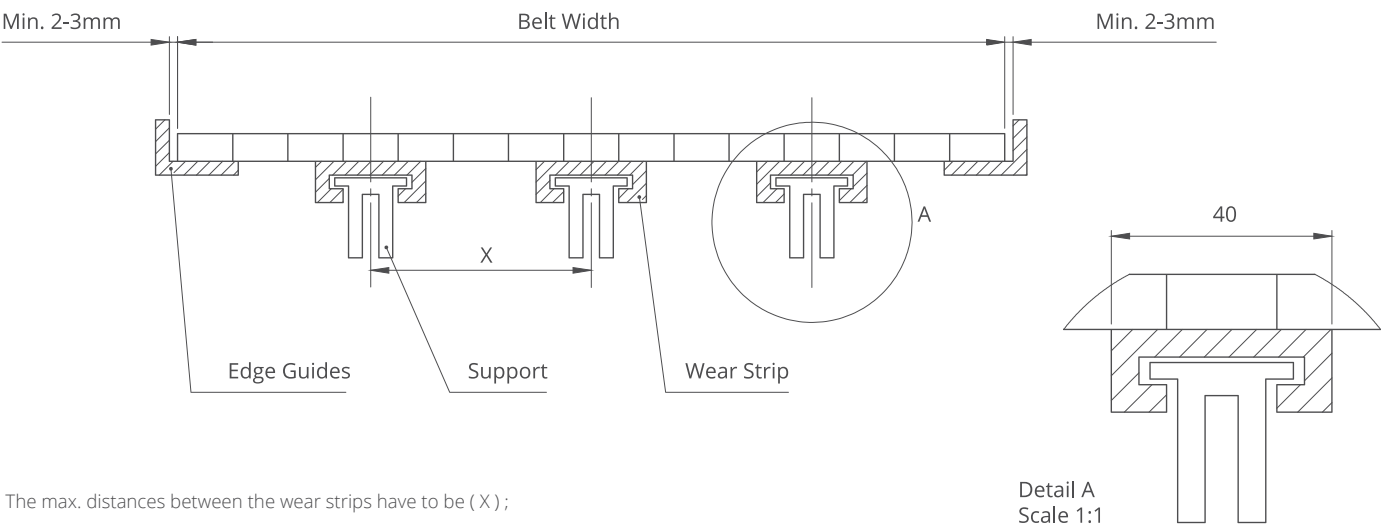
EC254 Series *Engineering Information*

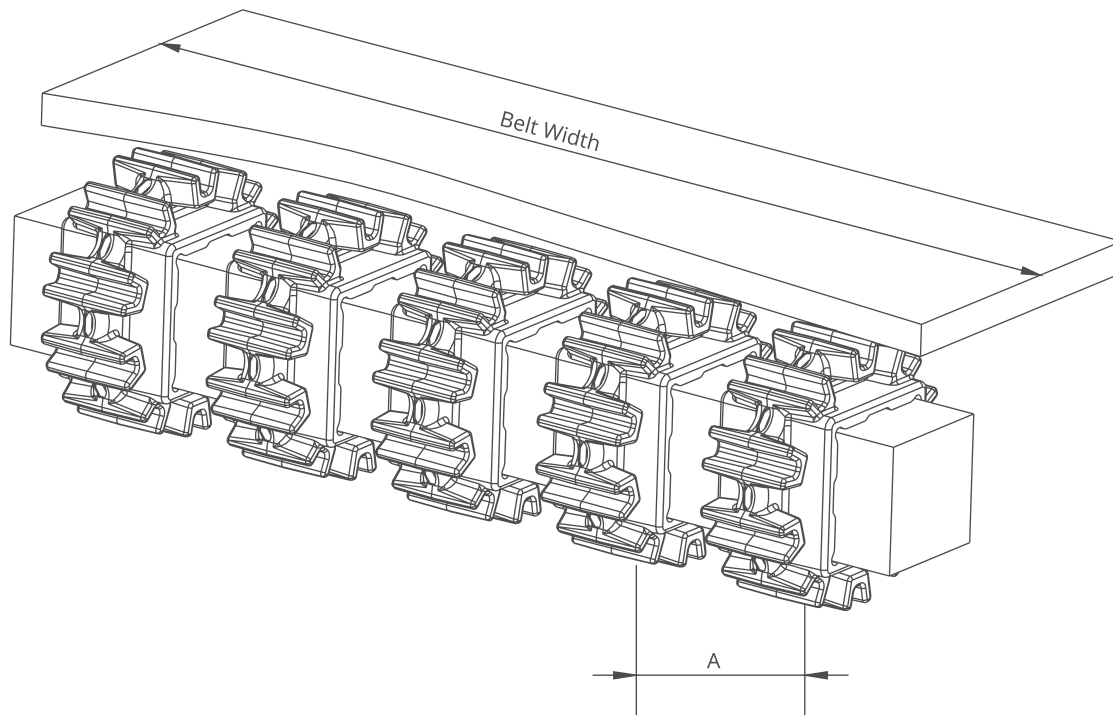


EC254 Series / Conveyor Frame Dimensions

Sprockets Description			A		B		C		E		X	
Pitch Diameter		No.Teeth	Range (Bottom to Top)		In.	mm	In.	mm	In.	mm	In.	mm
In.	mm		In.	mm								
EC254 C, EC254 PR%16												
2,36	60	8	1,18	30	1,57	40	1,97	50	1,97	50	0,39	10
2,95	75	10	1,50	38	1,77	45	2,44	62	2,28	58	0,39	10
3,54	90	12	1,81	46	1,89	48	3,05	77,5	2,60	66	0,39	10
4,57	116	15	2,26	57,5	2,17	55	3,62	92	3,05	77,5	0,39	10
5,53	140,5	18	2,80	71	2,38	60,5	4,65	118	3,58	91	0,39	10

EC254 Series / Slider Support System For Straight Running Belts





EC254 Series / Sprockets Arrangement

Standard Belt Width		Number of sprockets per shaft		A (mm/inch)	
mm	inch	Drive Shaft	Return Shaft	Min.	Max.
152,4	6	2	2	60/2,36	170/6,6
228,6	9	2	2	60/2,36	170/6,6
304,8	12	3	2	60/2,36	170/6,6
381	15	4	3	60/2,36	170/6,6
457,2	18	5	3	60/2,36	170/6,6
533,4	21	5	3	60/2,36	170/6,6
609,6	24	6	3	60/2,36	170/6,6
685,8	27	6	4	60/2,36	170/6,6
762	30	7	4	60/2,36	170/6,6
838,2	33	7	4	60/2,36	170/6,6
914,4	36	8	4	60/2,36	170/6,6
990,6	39	8	5	60/2,36	170/6,6
1066,8	42	9	5	60/2,36	170/6,6
1143	45	9	5	60/2,36	170/6,6
1219,2	48	10	5	60/2,36	170/6,6
1295,4	51	10	6	60/2,36	170/6,6
1371,6	54	11	7	60/2,36	170/6,6
1447,8	57	11	7	60/2,36	170/6,6
1524	60	12	7	60/2,36	170/6,6
1600,2	63	12	8	60/2,36	170/6,6
1676,4	66	12	8	60/2,36	170/6,6
1752,6	69	13	8	60/2,36	170/6,6
1828,8	72	14	9	60/2,36	170/6,6
1905	75	14	9	60/2,36	170/6,6
1981,2	78	15	10	60/2,36	170/6,6
2057,4	81	15	10	60/2,36	170/6,6

Note: Number of sprockets depends on the belt load.

MD254

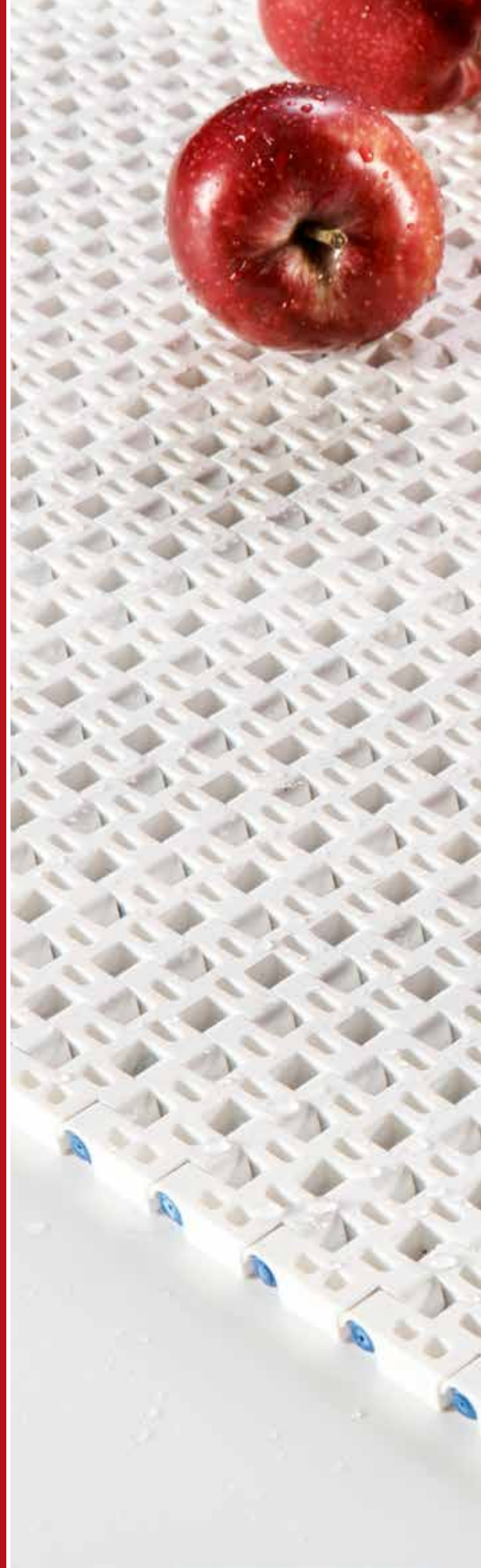
Modular Belt Series

MD254 FG

MD254 C

Sprockets & Accessories

Engineering Information







MD254 FG

Modular Belt Series

- **Bakery Applications**

Oven Infeed - Outfeed, Cooling Lines, Coating Lines, Glazing Lines, Freezing Lines, Conditioning Lines

- **Poultry Applications**

Skinning, Breeding Machines and Grading Lines

- **Seafood Applications**

Breeding Machines, Draining Lines, Glazing Lines, Elevators, Freezing Lines

- **Snack Food Applications**

Proofer Lines, Boiler Infeed, Oven Infeed - Outfeed, Cooling Lines

- **Fruits and Vegetables Applications**

Prewashing - Rinsing, Draining, Blanching Lines, Elevators

- **Packaging Applications**

Filling, Accumulation Palletizing - Depalletizing, Box Transfer

- **Textile Applications**

Cutter, Dyeing



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MD254 FG

Pitch:	25.4 mm
Belt Surface:	Open smooth surface
Minimum Width:	50 mm
Open Area (%):	%33. (Biggest opening 5.5 x 7mm)
Flight:	Yes (T25, T50, TC50, T75, T100)
Sidewall:	Yes (h=25, h=50mm)
Rod:	Ø4.9 mm - Self Lock
Approved:	FDA and EU
Curve:	No
Color:	Additional colors available
Cleanability:	Good
Belt Thickness:	10 mm



Product Features and Functional Benefits

- Belt provides optimal open area for drainage and airflow.
- Less friction and product contact for easy cooking, cooling and freezing of products.
- Reduced dirt and oxide build due to self cleaning surface.
- Stainless steel pins option for high temperature applications.
- Easy to clean reduces downtime for cleaning time %70.
- Stainless steel pins option reduce belt elongation for high temperature application.

Available Moulded Module Sizes

- 200 mm module
- 100 mm module
- 83 mm module
- 50 mm module
- 33 mm module

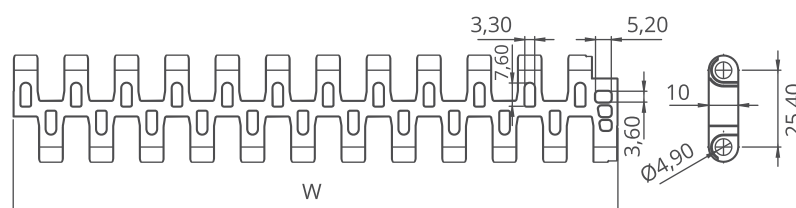
MD254 FG / Technical Information

BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		C (min.)	C (max.)	Kg/m ²
	Kg/m	N/m	Kg/m	N/m			
Polypropylene	1490	14900	-	-	+5	+90	4.85
Polyethylene	1050	10500	-	-	-73	+66	5.20
Acetal	1720	17200	-	-	-43	+110	7.70

- Belt strength and temperature values are maximum on the table.

MD254 FG / Standard Belt Widths

BELT SERIES	WIDTH (W)				Belt With Tolerance (max.)
	PP-PE		POM		
	mm	inch	mm	inch	
MD254 FG	200	7,87"	200	7,87"	± 1 mm
MD254 FG	250	9,84"	250	9,84"	± 1 mm
MD254 FG	300	11,81"	300	11,81"	± 2 mm
MD254 FG	350	13,77"	350	13,77"	± 2 mm
MD254 FG	400	15,75"	400	15,75"	± 2 mm
MD254 FG	450	17,71"	450	17,71"	± 2 mm
MD254 FG	500	19,69"	500	19,69"	± 2 mm
MD254 FG	550	21,65"	550	21,65"	± 3 mm
MD254 FG	600	23,62"	600	23,62"	± 3 mm
MD254 FG	650	25,60"	650	25,60"	± 3 mm
MD254 FG	700	27,56"	700	27,56"	± 3 mm
MD254 FG	750	29,50"	750	29,50"	± 3 mm
MD254 FG	800	31,50"	800	31,50"	± 3 mm
MD254 FG	850	33,46"	850	33,46"	± 4 mm
MD254 FG	900	35,43"	900	35,43"	± 4 mm



- Standard belt increments 50 mm.
- Non standard belt increments 16.6 mm.
- Please contact with customer service for precise belt measurements.



MD254 C

Modular Belt Series

- **Meat (Beef and Pork) Applications**

Fat - Trim Lines, General Conveyence, Packing Lines, Elevator

- **Poultry Applications**

Debonning, Trim Lines, Offal - Feather Lines, Grading Lines, Freezing Lines, Elevator

- **Seafood Applications**

Inspection Tables, Grading Lines, Trim Lines

- **Bakery Applications**

Row Dough Handling, Cooling Lines, Packing Lines

- **Snack Food Applications**

Corn Processing

- **Fruits and Vegetables Applications**

Bulk Feeding, Elevator, Control - Sorting Table

- **Automotive Applications**

Car Part Manufacturing

- **Tire Manufacturing Applications**

Mixer Infeed - Outfeed, Calendering Infeed, Extrusion Outfeed

- **Packaging Applications**

Labelling, Case Packers, Tray Packers, Palletizing - Depalletizing

- **Corrugated Cardbord Applications**

Down Stracker, Corrugator Take Off, Strap Feed

- **Printing and Paper Applications**

Printing Machine Outfeed, Wrapping Machine Outfeed

- **Beverages and Botteling Applications**

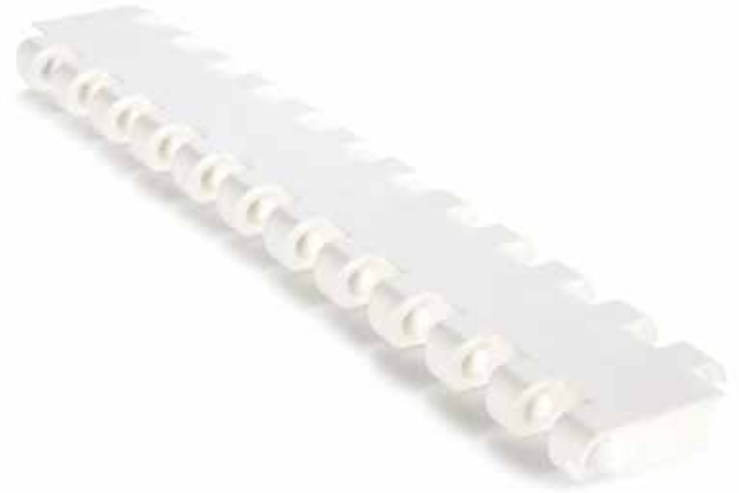
Can Palletizing and Depalletizing, Glass Palletizing and Depalletizing, Pet Palletizing and Depalletizing

- **Material Handling Applications**

Incline Applications, Palletizers, Packaging Lines

MD254 C

Pitch:	25.4 mm
Belt Surface:	Close, smooth surface
Minimum Width:	50 mm
Open Area (%):	%0
Flight:	Yes (T25,T50,TC50, T75,T100)
Sidewall:	Yes (h=25,h=50 mm)
Rod:	Ø4.9 mm - Self Lock
Approved:	FDA and EU
Curve:	No
Color:	Additional colors available
Cleanability:	Good
Belt Thickness:	10 mm



Product Features and Functional Benefits

- Belt provides optimal open area for drainage and airflow.
- Less friction and product contact for easy cooking, cooling and freezing of products.
- Reduced dirt and oxide build due to self cleaning surface.
- Stainless steel pins option for high temperature applications.
- Easy to clean reduces downtime for cleaning time %70.
- Stainless steel pins option reduce belt elongation for high temperature application.

Available Moulded Module Sizes

- 200 mm module
- 100 mm module
- 83 mm module
- 50 mm module
- 33 mm module

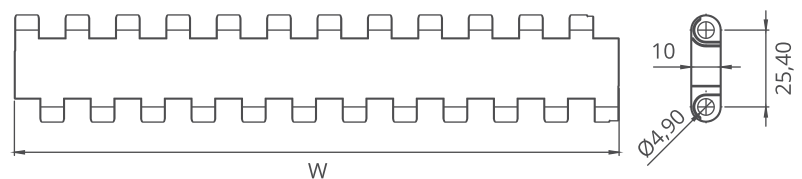
MD254 C / Technical Information

BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		C (min.)	C (max.)	Kg/m ²
	Kg/m	N/m	Kg/m	N/m			
Polypropylene	1580	15800	-	-	+5	+90	5.20
Polyethylene	1240	12400	-	-	-73	+66	5.35
Acetal	1875	18750	-	-	-43	+110	8.00

- Belt strength and temperature values are maximum on the table.

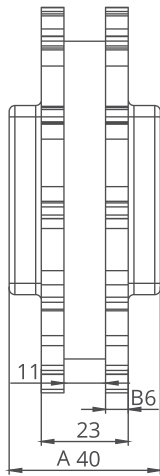
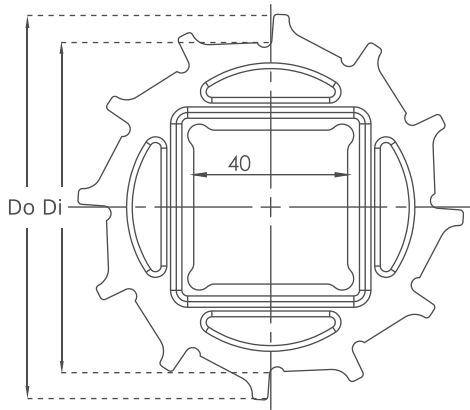
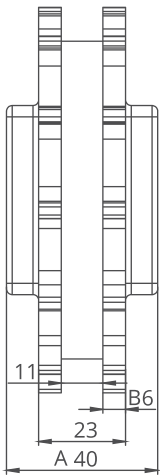
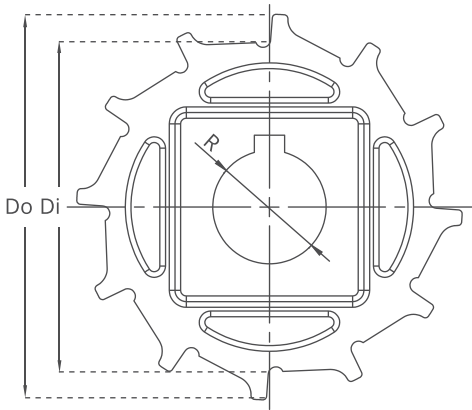
MD254 C / Standard Belt Widths

BELT SERIES	WIDTH (W)				Belt With Tolerance (max.)
	PP-PE		POM		
	mm	inch	mm	inch	
MD254 C	200	7,87"	200	7,87"	± 1 mm
MD254 C	250	9,84"	250	9,84"	± 1 mm
MD254 C	300	11,81"	300	11,81"	± 2 mm
MD254 C	350	13,77"	350	13,77"	± 2 mm
MD254 C	400	15,75"	400	15,75"	± 2 mm
MD254 C	450	17,71"	450	17,71"	± 2 mm
MD254 C	500	19,69"	500	19,69"	± 2 mm
MD254 C	550	21,65"	550	21,65"	± 3 mm
MD254 C	600	23,62"	600	23,62"	± 3 mm
MD254 C	650	25,60"	650	25,60"	± 3 mm
MD254 C	700	27,56"	700	27,56"	± 3 mm
MD254 C	750	29,50"	750	29,50"	± 3 mm
MD254 C	800	31,50"	800	31,50"	± 3 mm
MD254 C	850	33,46"	850	33,46"	± 4 mm
MD254 C	900	35,43"	900	35,43"	± 4 mm



- Standard belt increments 50 mm.
- Non standard belt increments 16.6 mm.
- Please contact with customer service for precise belt measurements.

MD254 Series *Sprockets and Technical Specifications*



MD254 Series / Standard Sprockets Dimensions

NO.TEETH	Di	Do	B	A	Square Bore (Q)	Round Bore (R)	PRODUCT CODE	
							Square Type (Q)	Round Type (R)
Z8	53	67,75	6.0	40.0 mm	25.0 mm	25.0 / 30.0	MD-TR254SQ25Z8*PA	MD-TR254SRZ8*PA
Z10	70	85	6.0	40.0 mm	40.0 mm	25.0 / 30.0	MD-TR254SQZ10*PA	MD-TR254SRZ10*PA
Z12	87	102	6.0	40.0 mm	40.0 mm	25.0 / 30.0	MD-TR254SQZ12*PA	MD-TR254SRZ12*PA
Z15	112	126,5	6.0	40.0 mm	40.0 mm	25.0 / 30.0	MD-TR254SQZ15*PA	MD-TR254SRZ15*PA
Z18	137	152	6.0	40.0 mm	40.0 mm	25.0 / 30.0	MD-TR254SQZ18*PA	MD-TR254SRZ18*PA

*Other sprockets and hub sizes are manufactured up to request.
*POM (Acetal) and PP (Polypropylene) sprockets raw material is available on request.



Clamb

Machined Split Sprocket

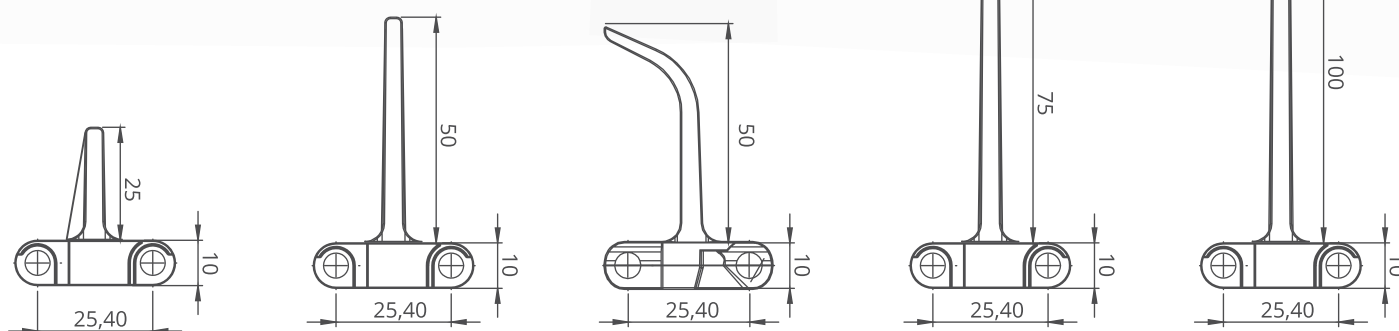
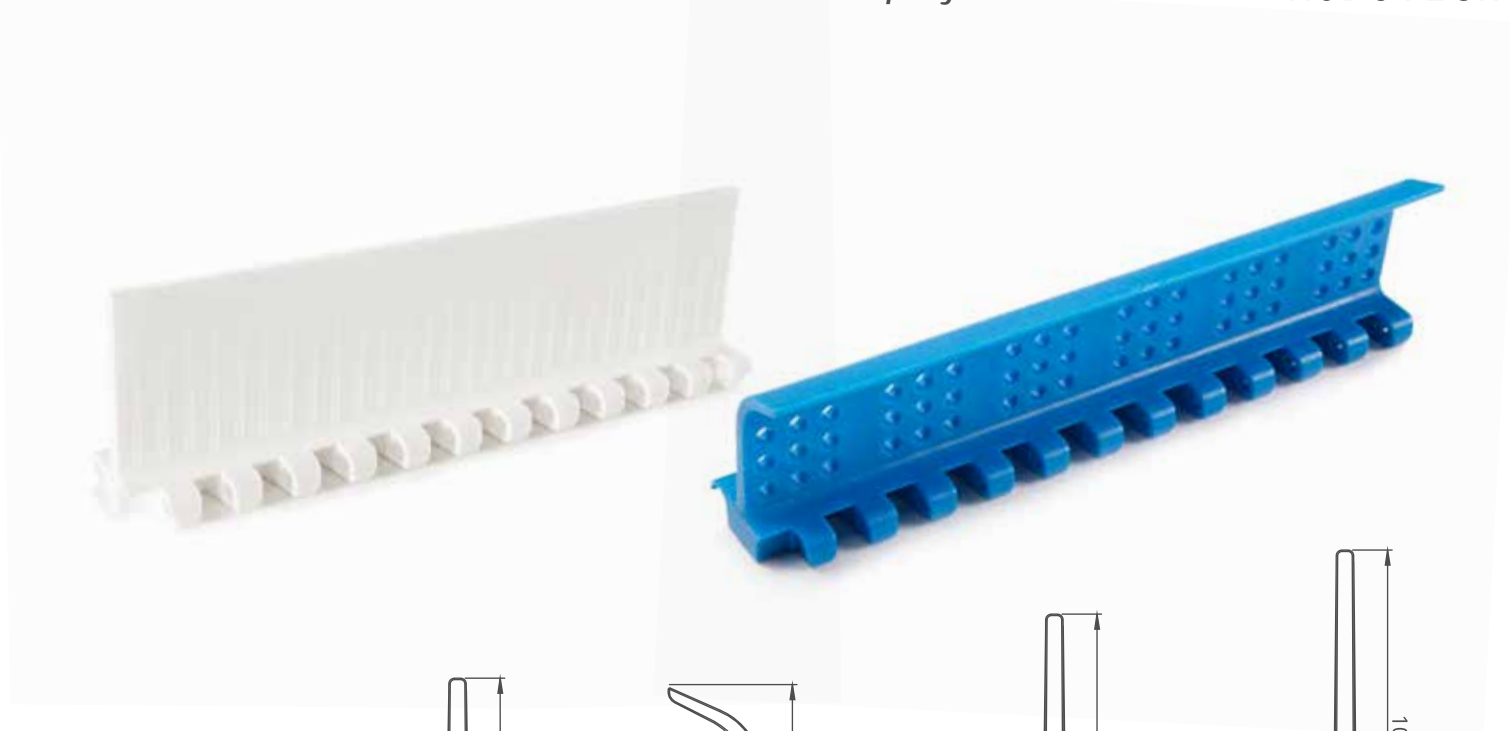
Moulded Sprocket

Machined Sprocket



MODUTECH

MD254 Series Accessories and Technical Specifications

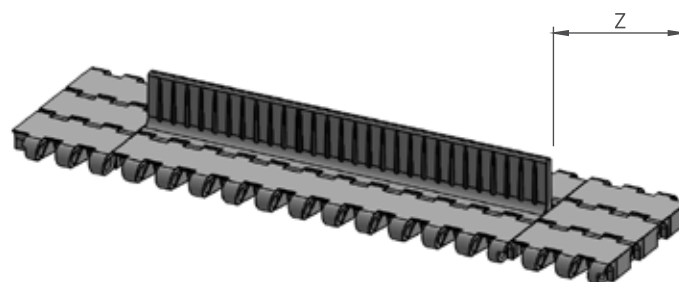


* Additional flight dimensions are available up to 100 mm.

MD254 Series / Flight Technical Specifications

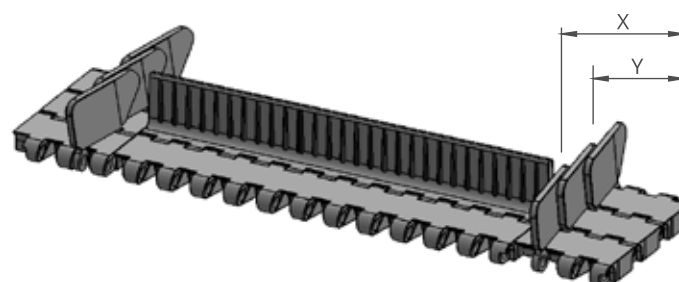
Possible Flight Indents for 25,4 mm Series	Z	
	(mm)	(inch)
Standart, no module cutting	33,5	1,32
Standart, no module cutting	50	1,97
Standart, no module cutting	83,5	3,29
Standart, no module cutting	100	3,94

*Non-standard flight indent is on request.

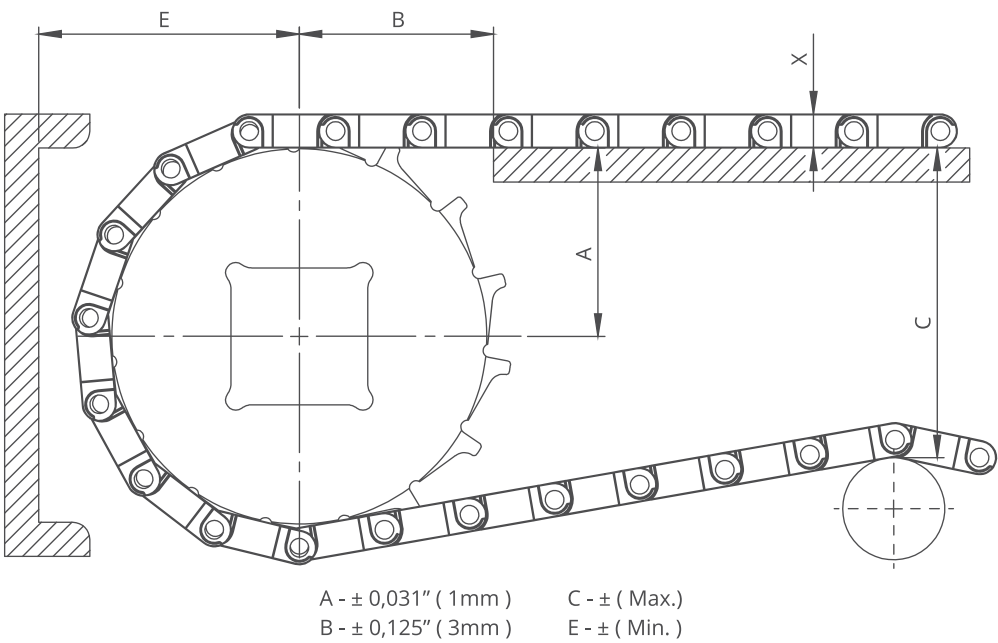


MD254 Series / Sidewall Technical Specifications

Possible Sidewall and Flight Indents	X		Y	
	(mm)	(inch)	(mm)	(inch)
Standart, no module cutting	24	0,94	15	0,59
Module cutting necessary for belt and flight	32	1,26	22	0,87
Standart, no module cutting	40	1,57	30	1,18
Module cutting necessary for belt and flight	48	1,89	37	1,46
Module cutting necessary for belt	56	2,20	45	1,77
Module cutting necessary for belt and flight	64	2,52	53	2,09
Standart, no module cutting	73	2,87	60	2,36
Module cutting necessary for belt and flight	81	3,19	68	2,68
Standart, no module cutting	90	3,54	75	2,95



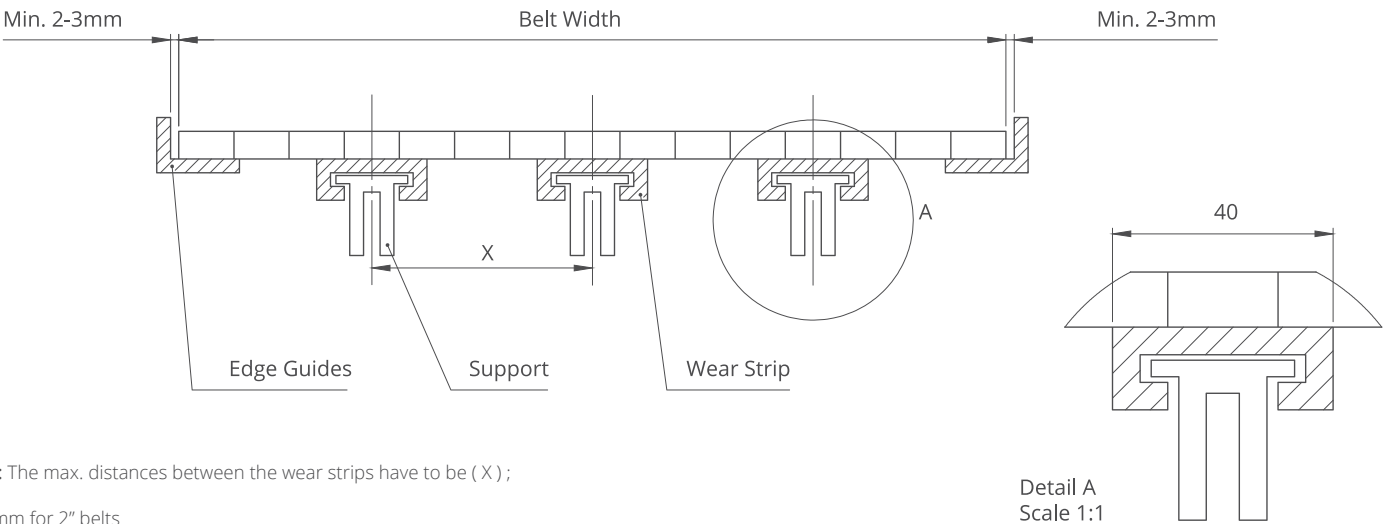
MD254 Series *Engineering Information*



MD254 Series / Conveyor Frame Dimensions

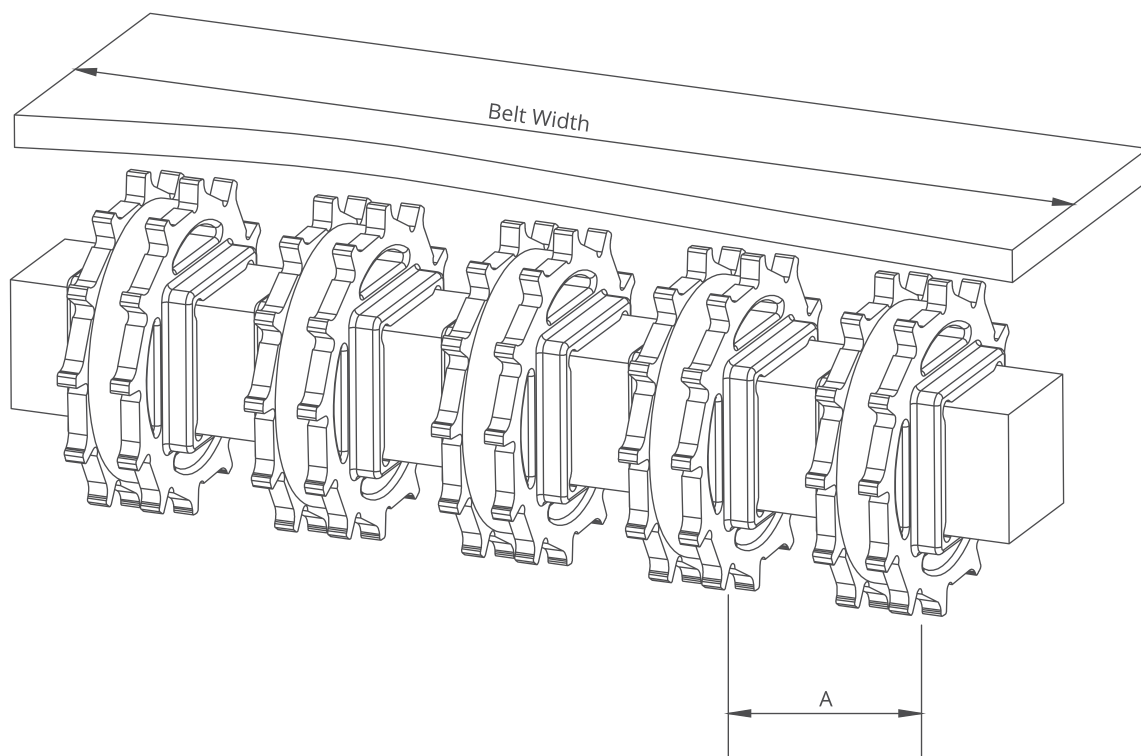
Sprockets Description			A		B		C		E		X	
Pitch Diameter		No.Teeth	Range (Bottom to Top)		In.	mm	In.	mm	In.	mm	In.	mm
In.	mm		In.	mm								
MD254 FG, MD254 C												
2,44	62	8	1,14	29	1,61	41	1,97	50	2,05	52	0,51	13
2,87	73	10	1,43	36,25	1,85	47	2,54	64,5	2,33	59,25	0,51	13
3,82	97	12	1,77	45	2,03	51,5	3,39	86	2,68	68	0,51	13
4,72	120	15	2,22	56,5	2,24	57	3,94	100	3,13	79,5	0,51	13
5,79	147	18	2,70	68,5	2,36	60	5,04	128	3,60	91,5	0,51	13

MD254 Series / Slider Support System For Straight Running Belts



Note: The max. distances between the wear strips have to be (X) ;

125 mm for 2" belts
80 mm for 1" / 0.5" belts



MD254 Series / Sprockets Arrangement

Standard Belt Width		Number of sprockets per shaft		A (mm/inch)	
mm	inch	Drive Shaft	Return Shaft	Min.	Max.
150	6	2	2	50/2	120/4,7
200	8	2	2	50/2	120/4,7
250	10	3	2	50/2	120/4,7
300	12	3	2	50/2	120/4,7
350	14	3	3	50/2	120/4,7
400	16	4	3	50/2	120/4,7
450	18	4	3	50/2	120/4,7
500	20	5	4	50/2	120/4,7
550	22	5	4	50/2	120/4,7
600	24	6	5	50/2	120/4,7
700	26	7	5	50/2	120/4,7
800	28	8	6	50/2	120/4,7
900	30	9	7	50/2	120/4,7
1000	32	10	7	50/2	120/4,7

Note: Number of sprockets depends on the belt load.

HP254

Modular Belt Series

HP254 C

HP254 PR%22

HP254 GT

HP254 RR

Sprockets & Accessories

Engineering Information







HP254 C

Modular Belt Series

- **Meat (Beef and Pork) Applications**

Fat - Trim Lines, General Conveyence, Packing Lines, Elevator

- **Poultry Applications**

Debonning, Trim Lines, Offal - Feather Lines, Grading Lines, Freezing Lines, Elevator

- **Seafood Applications**

Inspection Tables, Grading Lines, Trim Lines

- **Bakery Applications**

Row Dough Handling, Cooling Lines, Packing Lines

- **Snack Food Applications**

Corn Processing

- **Fruits and Vegetables Applications**

Bulk Feeding, Elevator, Control - Sorting Table

- **Automotive Applications**

Car Part Manufacturing

- **Tire Manufacturing Applications**

Mixer Infeed - Outfeed, Calendering Infeed, Extrusion Outfeed

- **Packaging Applications**

Labelling, Case Packers, Tray Packers, Palletizing - Depalletizing

- **Corrugated Cardbord Applications**

Down Stracker, Corrugator Take Off, Strap Feed

- **Printing and Paper Applications**

Printing Machine Outfeed, Wrapping Machine Outfeed

- **Beverages and Botteling Applications**

Can Palletizing and Depalletizing, Glass Palletizing and Depalletizing, Pet Palletizing and Depalletizing

- **Material Handling Applications**

Incline Applications, Palletizers, Packaging Lines

HP254 C

Pitch:	25.4 mm
Belt Surface:	Close, Smooth Surface
Minimum Width:	152.4 mm
Open Area (%):	%0
Flight:	Yes (T25, T50, TC50, T75)
Sidewall:	Yes (h=25 mm, h=50 mm)
Rod:	Ø4.9 mm
Approved:	FDA and EU
Curve:	No
Color:	Additional colors available
Cleanability:	Good
Belt Thickness:	10 mm



Product Features and Functional Benefits

- Unique sprocket engagement - higher product load and longer conveyors.
- Unique sprocket engagement reduces pulsation and increases load capacity.
- Close transfer applications.
- High power, bi-directional belt for long conveyors.

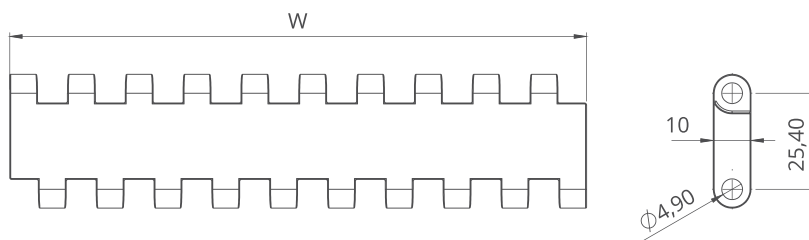
HP254 C / Technical Information

BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		C (min.)	C (max.)	Kg/m²
	Kg/m	N/m	Kg/m	N/m			
Polypropylene	1462	14620	-	-	+5	+90	5.50
Polyethylene	1300	13000	-	-	-73	+66	5.80
Acetal	1625	16250	-	-	-43	+110	7.90

- Belt strength and temperature values are maximum on the table.

HP254 C / Standard Belt Widths

BELT SERIES	WIDTH (W)				Belt With Tolerance (max.)
	PP-PE		POM		
	mm	inch	mm	inch	
HP254	152,4	6"	152,4	6"	± 0,5 mm
HP254	228,6	9"	228,6	9"	± 2 mm
HP254	304,8	12"	304,8	12"	± 2 mm
HP254	381	15"	381	15"	± 3 mm
HP254	457,2	18"	457,2	18"	± 3 mm
HP254	533,4	21"	533,4	21"	± 3 mm
HP254	609,6	24"	609,6	24"	± 3 mm
HP254	685,8	27"	685,8	27"	± 4 mm
HP254	762	30"	762	30"	± 4 mm
HP254	838,2	33"	838,2	33"	± 4 mm
HP254	914,4	36"	914,4	36"	± 4 mm
HP254	990,6	39"	990,6	39"	± 4 mm
HP254	1066,8	42"	1066,8	42"	± 4 mm
HP254	1143	45"	1143	45"	± 4 mm



- Standard belt increments 76.2 mm.
- Non standard belt increments 15 mm.
- Please contact with customer service for precise belt measurements.



HP254 PR%22

Modular Belt Series

- **Meat and Poultry Applications**

General Conveyance and Breeding Lines

- **Fruit and Vegetable Application**

Elevators, Steam Peeler, Inspection Tables, Blanching Lines

- **Seafood Applications**

Elevators, Inspection Tables, Grading Lines, Trim Lines, Glazing Lines, Cooking Lines

- **Bakery Applications**

*Row Dough Handling, Cooling Lines, Icing Lines, Packing Lines,
Metal Detectors*

HP254 PR%22

Pitch:	25.4 mm
Belt Surface:	Perforated, Smooth Surface
Minimum Width:	152.4 mm
Open Area (%):	%22. (Biggest opening 2.20x7.65 mm)
Flight:	Yes (T25, T50, TC50, T75)
Sidewall:	Yes (h=25 mm, h=50 mm)
Rod:	Ø4.9 mm
Approved:	FDA and EU
Curve:	No
Color:	Additional colors available
Cleanability:	Good
Belt Thickness:	10 mm



Product Features and Functional Benefits

- Unique sprocket engagement - precise indexing, easy cleaning
- Different openings to optimize performance in cooling and draining applications
- High power, bi-directional belt for long conveyors
- Unique sprocket engagement reduces pulsation and increases load capacity

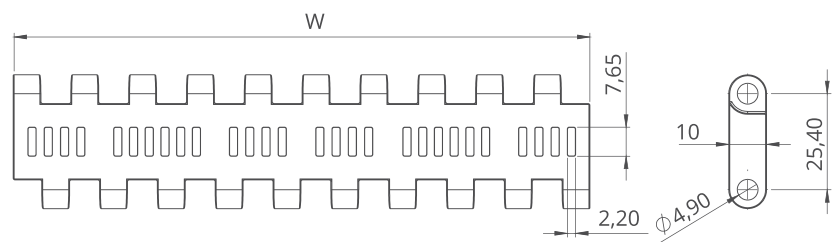
HP254 PR%22 / Technical Information

BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		C (min.)	C (max.)	Kg/m²
	Kg/m	N/m	Kg/m	N/m			
Polypropylene	1365	13650	-	-	+5	+90	5.00
Polyethylene	1188	11880	-	-	-73	+66	5.40
Acetal	1512	15120	-	-	-43	+110	7.20

- Belt strength and temperature values are maximum on the table.

HP254 PR%22 / Standard Belt Widths

BELT SERIES	WIDTH (W)				Belt With Tolerance (max.)
	PP-PE		POM		
	mm	inch	mm	inch	
HP254	152,4	6"	152,4	6"	± 0,5 mm
HP254	228,6	9"	228,6	9"	± 2 mm
HP254	304,8	12"	304,8	12"	± 2 mm
HP254	381	15"	381	15"	± 3 mm
HP254	457,2	18"	457,2	18"	± 3 mm
HP254	533,4	21"	533,4	21"	± 3 mm
HP254	609,6	24"	609,6	24"	± 3 mm
HP254	685,8	27"	685,8	27"	± 4 mm
HP254	762	30"	762	30"	± 4 mm
HP254	838,2	33"	838,2	33"	± 4 mm
HP254	914,4	36"	914,4	36"	± 4 mm
HP254	990,6	39"	990,6	39"	± 4 mm
HP254	1066,8	42"	1066,8	42"	± 4 mm
HP254	1143	45"	1143	45"	± 4 mm



- Standard belt increments 76.2 mm.
- Non standard belt increments 15 mm.
- Please contact with customer service for precise belt measurements.



HP254 GT

Modular Belt Series

- **Snack Food Applications**

Incline - Decline Lines, Container Conveyance

- **Tire Manufacturing Applications**

Batch Off Incline, Calendering Infeed, Extrusion Infeed, Tire Transport

Incline - Decline Lines

- **Packaging Applications**

Box Incline - Decline Lines

HP254 GT

Pitch:	25.4 mm
Belt Surface:	Close, Friction Surface
Minimum Width:	152.4 mm
Open Area (%):	%0
Flight:	Yes (T25, T50, TC50, T75)
Sidewall:	Yes (h=25 mm, h=50 mm)
Rod:	Ø4.9 mm
Approved:	FDA and EU
Curve:	No
Color:	Additional colors available
Cleanability:	Good
Belt Thickness:	13 mm



Product Features and Functional Benefits

- Unique rubber top eliminates wear and increases friction in incline decline applications.
- Unique sprocket engagement - higher product load and longer conveyors.
- Unique sprocket engagement reduces pulsation and increases load capacity.
- Close transfer applications.
- High power, bi-directional belt for long conveyors.

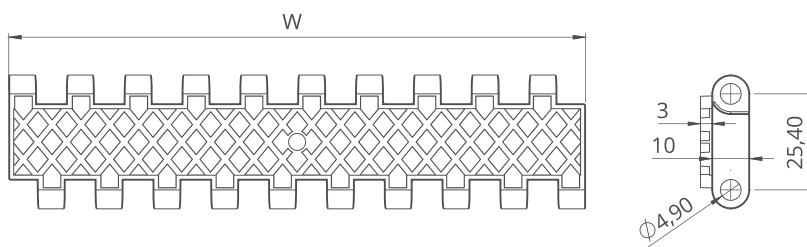
HP254 GT / Technical Information

BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		C (min.)	C (max.)	Kg/m ²
	Kg/m	N/m	Kg/m	N/m			
Polypropylene	1462	14620	-	-	+5	+90	7.30
Polyethylene	1300	13000	-	-	-73	+66	7.60
Acetal	-	-	-	-	-	-	-

- Belt strength and temperature values are maximum on the table.

HP254 GT / Standard Belt Widths

BELT SERIES	WIDTH (W)				Belt With Tolerance (max.)
	PP-PE		POM		
	mm	inch	mm	inch	
HP254	152,4	6"	152,4	6"	± 0,5 mm
HP254	228,6	9"	228,6	9"	± 2 mm
HP254	304,8	12"	304,8	12"	± 2 mm
HP254	381	15"	381	15"	± 3 mm
HP254	457,2	18"	457,2	18"	± 3 mm
HP254	533,4	21"	533,4	21"	± 3 mm
HP254	609,6	24"	609,6	24"	± 3 mm
HP254	685,8	27"	685,8	27"	± 4 mm
HP254	762	30"	762	30"	± 4 mm
HP254	838,2	33"	838,2	33"	± 4 mm
HP254	914,4	36"	914,4	36"	± 4 mm
HP254	990,6	39"	990,6	39"	± 4 mm
HP254	1066,8	42"	1066,8	42"	± 4 mm
HP254	1143	45"	1143	45"	± 4 mm



- Standard belt increments 76.2 mm.
- Non standard belt increments 15 mm.
- Please contact with customer service for precise belt measurements.



HP254 RR

Modular Belt Series

- **Fruits and Vegetables Applications**

Palletizing / Depalletizing, Sterilization Conveyance

- **Automotive Applications**

Battery Filling

- **Tire Manufacturing Applications**

Dip Tank

- **Packaging Applications**

Accumulation, Palletizing / Depalletizing

- **Beverages and Bottling Applications**

Glass Palletizing / Depalletizing, Pasteurizers / Warmers, Accumulation Tables

- **Pasta Applications**

Blanchers, Pasteurizers, Cooling Lines

- **Meat Applications**

Microwaves, Cooling and Freezing Lines



MODUTECH

HP254 RR

Pitch:	25.4 mm
Belt Surface:	Open, Raised Rib Surface
Minimum Width:	152.4 mm
Open Area (%):	%16
Flight:	Yes (T25, T50, TC50, T75)
Sidewall:	Yes (h=25 mm, h=50 mm)
Rod:	Ø4.9 mm
Approved:	FDA and EU
Curve:	No
Color:	Additional colors available
Cleanability:	Good
Belt Thickness:	15,7 mm
Comb:	Yes



Product Features and Functional Benefits

- Less friction and product contact for easy cooking , cooling and freezing of products.
- Reduces back line pressure with up to %70.
- Reduced dirt and oxide build up due to self cleaning surface.
- Finger plate for trouble free transfer.
- Unique sprocket engagement reduces pulsation and increases load capacity.

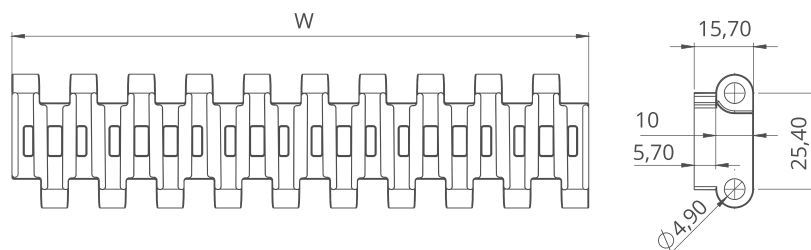
HP254 RR / Technical Information

BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		C (min.)	C (max.)	Kg/m ²
	Kg/m	N/m	Kg/m	N/m			
Polypropylene	1462	14620	-	-	+5	+90	7.30
Polyethylene	1300	13000	-	-	-73	+66	7.60
Acetal	1625	16250	-	-	-43	+110	7.90

- Belt strength and temperature values are maximum on the table.

HP254 RR / Standard Belt Widths

BELT SERIES	WIDTH (W)				Belt With Tolerance (max.)
	PP-PE		POM		
	mm	inch	mm	inch	
HP254	152,4	6"	152,4	6"	± 0,5 mm
HP254	228,6	9"	228,6	9"	± 2 mm
HP254	304,8	12"	304,8	12"	± 2 mm
HP254	381	15"	381	15"	± 3 mm
HP254	457,2	18"	457,2	18"	± 3 mm
HP254	533,4	21"	533,4	21"	± 3 mm
HP254	609,6	24"	609,6	24"	± 3 mm
HP254	685,8	27"	685,8	27"	± 4 mm
HP254	762	30"	762	30"	± 4 mm
HP254	838,2	33"	838,2	33"	± 4 mm
HP254	914,4	36"	914,4	36"	± 4 mm
HP254	990,6	39"	990,6	39"	± 4 mm
HP254	1066,8	42"	1066,8	42"	± 4 mm
HP254	1143	45"	1143	45"	± 4 mm



- Standard belt increments 76.2 mm.

- Non standard belt increments 15 mm.

- Please contact with customer service for precise belt measurements.

HP254 Series *Sprockets and Technical Specifications*



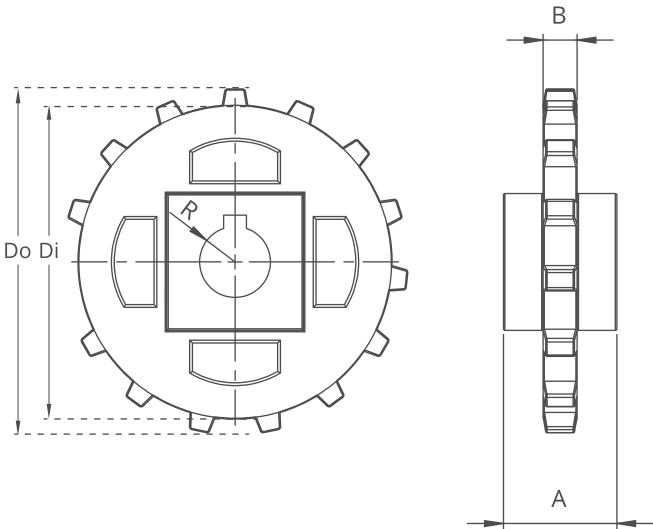
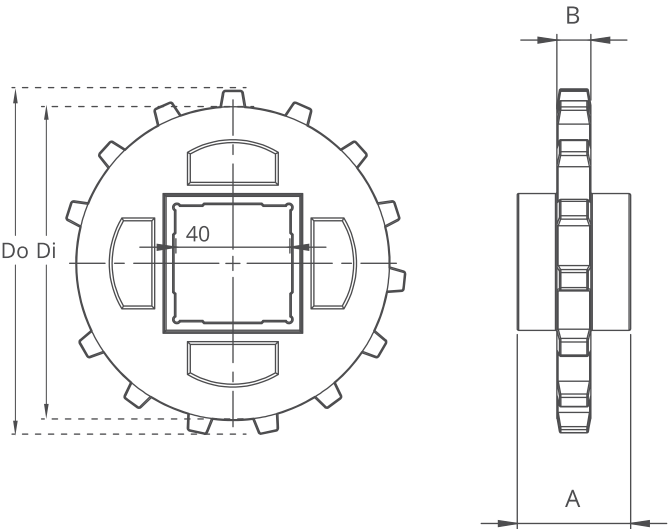
Z10



Z15



Z18



HP254 Series / Standard Sprockets Dimensions

NO.TEETH	Di	Do	B	A	Square Bore (Q)	Round Bore (R)	PRODUCT CODE	
							Square Type (Q)	Round Type (R)
Z8	53.2 mm	64 mm	12.0 mm	40.0 mm	25.0 mm	25.0 / 30.0	HP254SQZ8*PA	HP254SRZ8*PA
Z10	71.6 mm	82.5 mm	12.0 mm	40.0 mm	40.0 mm	25.0 / 30.0	HP254SQZ10*PA	HP254SRZ10*PA
Z12	89.0 mm	99.5 mm	12.0 mm	40.0 mm	40.0 mm	25.0 / 30.0	HP254SQZ12*PA	HP254SRZ12*PA
Z15	114.0 mm	124.0 mm	12.0 mm	40.0 mm	40.0 mm	25.0 / 30.0	HP254SQZ15*PA	HP254SRZ15*PA
Z18	138.3 mm	149.5 mm	12.0 mm	40.0 mm	40.0 mm	25.0 / 30.0	HP254SQZ18*PA	HP254SRZ18*PA

*Other sprockets and hub sizes are manufactured up to request. *POM (Acetal) and PP (Polypropylene) sprockets raw material is available on request.



Clamb



Machined Split Sprocket



Moulded Sprocket

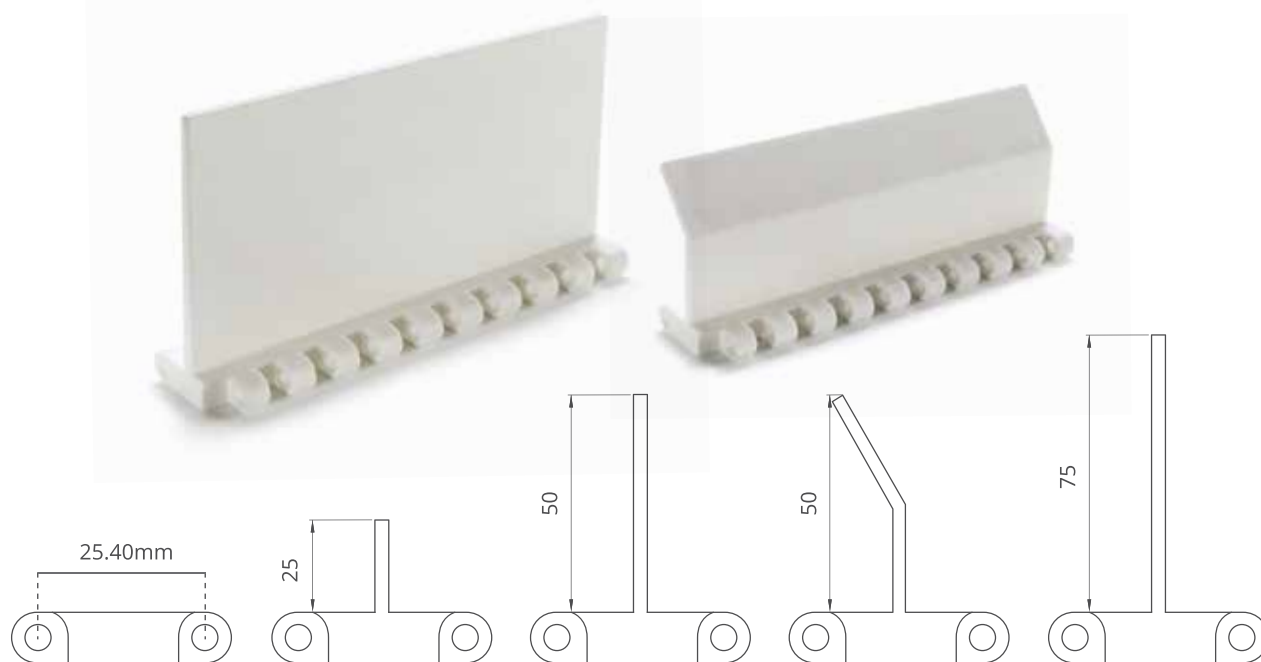


Machined Sprocket



MODUTECH

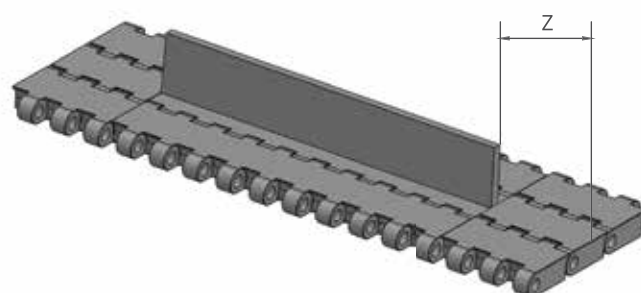
HP254 Series Accessories and Technical Specifications



* Additional flight dimensions are available up to 75 mm.

HP254 Series / Flight Technical Specifications

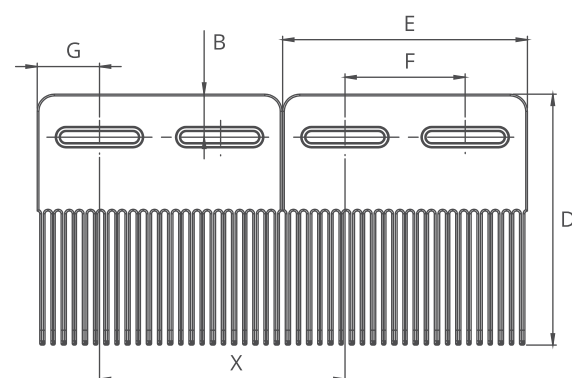
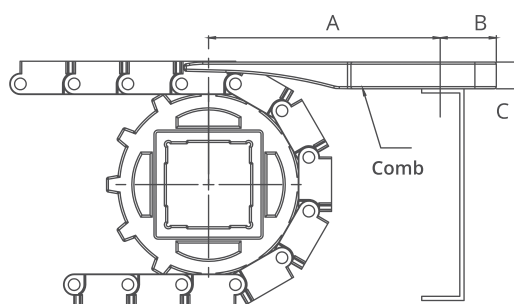
Possible Flight Indents for 25,4 mm Series	Z	
	(mm)	(inch)
Standart, no module cutting	15	0,59
Standart, no module cutting	30	1,18
Standart, no module cutting	45	1,77
Standart, no module cutting	60	2,36
Standart, no module cutting	75	2,95



*Non-standard flight indent is on request.

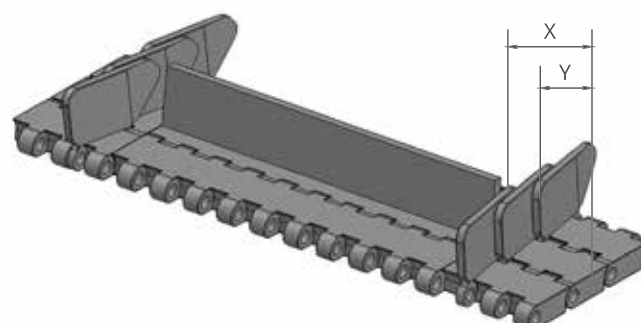
HP254 Series / Comb Technical Specifications

	(inch)	(mm)
A	4,1-4,5	105-115
B	0,98	25
C	0,49	12,5
D	5,75	146
E	5,91	150
F	2,95	75
G	1,48	37,5
X	6,10	155



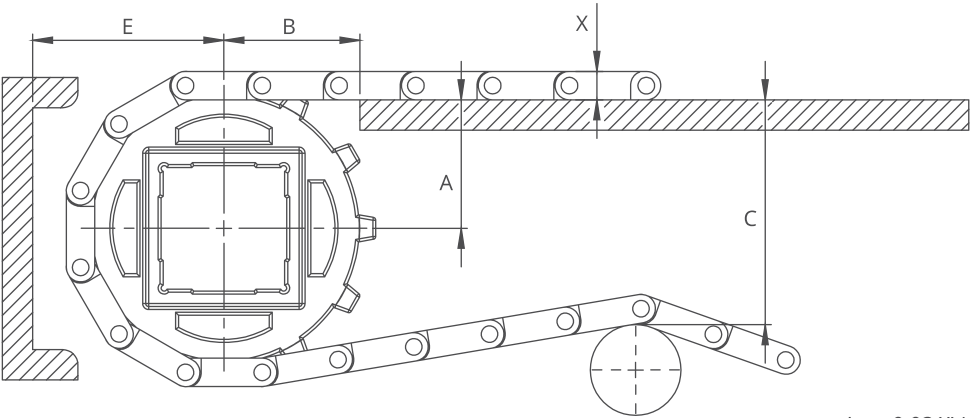
HP254 Series / Sidewall Technical Specifications

Possible Sidewall and Flight Indents	X		Y	
	(mm)	(inch)	(mm)	(inch)
Standart, no module cutting	24	0,94	15	0,59
Module cutting necessary	32	1,26	22	0,87
Standart, no module cutting	40	1,57	30	1,18
Module cutting necessary	48	1,89	37	1,46
Standart, no module cutting	56	2,20	45	1,77
Module cutting necessary	64	2,52	53	2,09



Note: Gap between flight and sidewall minimum 2-3 mm
Gap between flight and sidewall maximum 10 mm

HP254 Series *Engineering Information*

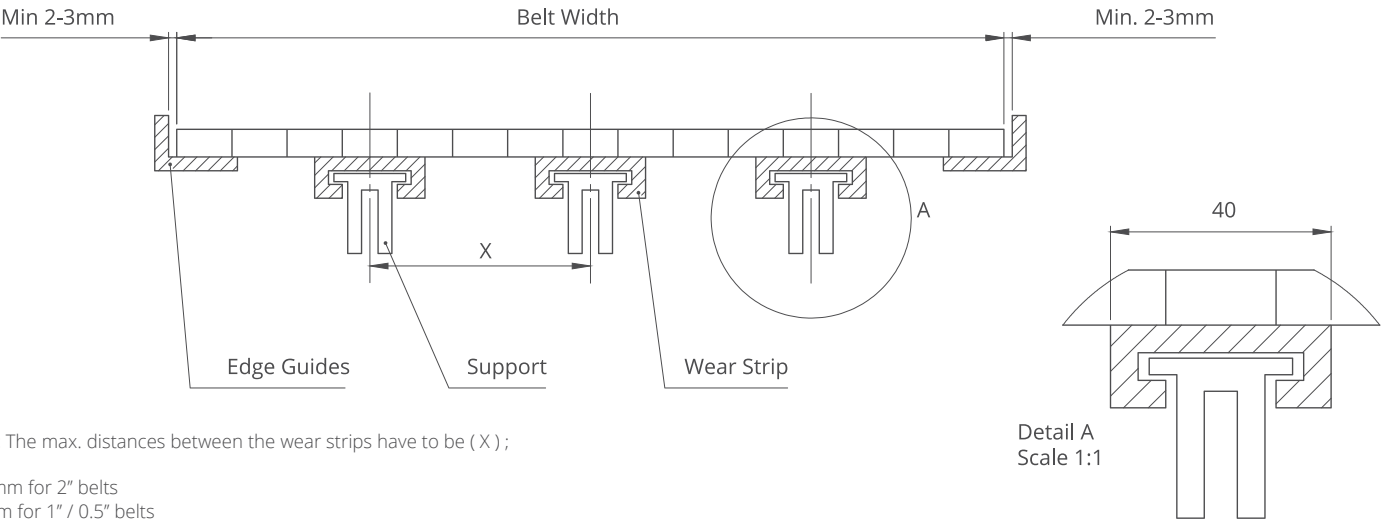


A - ± 0,031" (1mm) C - ± (Max.)
B - ± 0,125" (3mm) E - ± (Min.)

HP254 Series / Conveyor Frame Dimensions

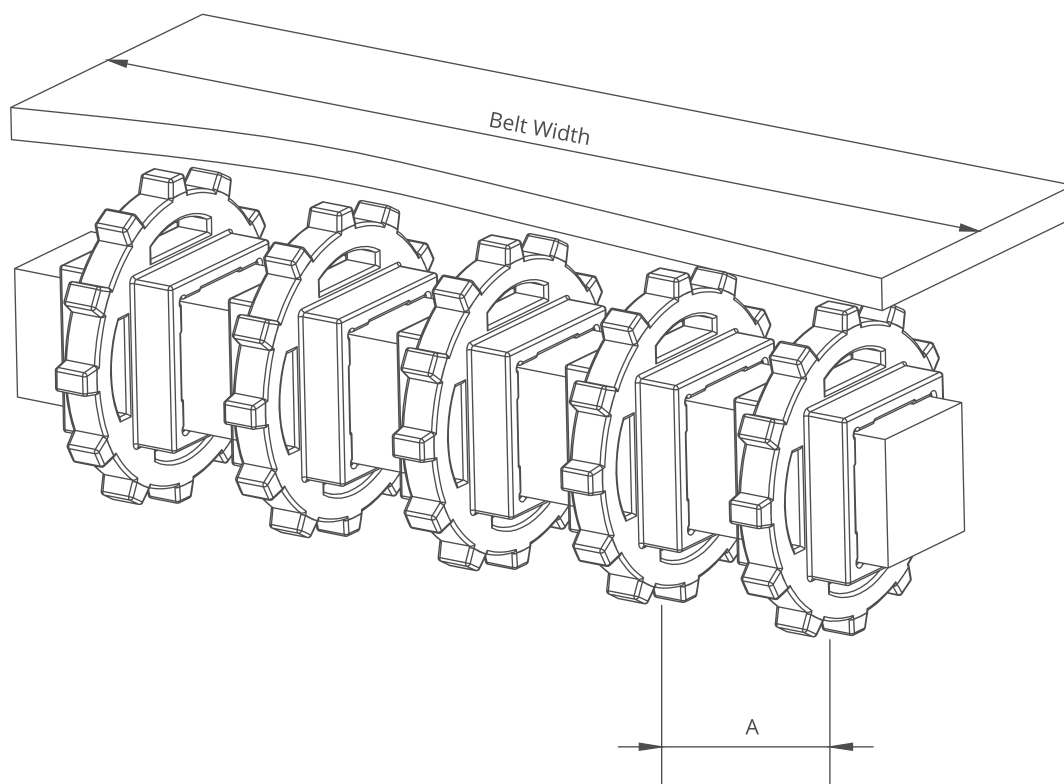
Sprockets Description			A		B		C		E		X	
Pitch Diameter		No.Teeth	Range (Bottom to Top)		In.	mm	In.	mm	In.	mm	In.	mm
In.	mm		In.	mm								
HP254 C, HP254 PR%23												
3,07	78	10	1,45	36,75	1,65	42	2,36	60	2,23	56,75	0,39	10
3,70	94	12	1,79	45,5	1,77	45	2,95	75	2,58	65,5	0,39	10
4,61	117	15	2,15	54,5	2,01	51	3,35	85	2,93	74,5	0,39	10
5,59	142	18	2,76	70	2,17	55	4,33	110	3,54	90	0,39	10
HP 254 GT												
3,07	78	10	1,45	36,75	1,65	42	2,48	63	2,35	59,75	0,51	13
3,70	94	12	1,79	45,5	1,77	45	3,07	78	2,70	68,5	0,51	13
4,61	117	15	2,15	54,5	2,01	51	3,46	88	3,05	77,5	0,51	13
5,59	142	18	2,76	70	2,17	55	4,45	113	3,66	93	0,51	13
HP 254 RR												
3,07	78	10	1,45	36,75	1,65	42	2,59	65,7	2,46	62,45	0,62	15,70
3,70	94	12	1,79	45,5	1,77	45	3,18	80,7	2,80	71,2	0,62	15,70
4,61	117	15	2,15	54,5	2,01	51	3,57	90,7	3,16	80,2	0,62	15,70
5,59	142	18	2,76	70	2,17	55	4,56	115,7	3,77	95,7	0,62	15,70

HP254 Series / Slider Support System For Straight Running Belts



Note: The max. distances between the wear strips have to be (X) ;

125 mm for 2" belts
80 mm for 1" / 0.5" belts



HP254 Series / Sprockets Arrangement

Standard Belt Width		Number of sprockets per shaft		A (mm/inch)	
mm	inch	Drive Shaft	Return Shaft	Min.	Max.
152,4	6	2	2	60/2,36	170/6,6
228,6	9	2	2	60/2,36	170/6,6
304,8	12	3	2	60/2,36	170/6,6
381	15	4	3	60/2,36	170/6,6
457,2	18	5	3	60/2,36	170/6,6
533,4	21	5	3	60/2,36	170/6,6
609,6	24	6	3	60/2,36	170/6,6
685,8	27	6	4	60/2,36	170/6,6
762	30	7	4	60/2,36	170/6,6
838,2	33	7	4	60/2,36	170/6,6
914,4	36	8	4	60/2,36	170/6,6
990,6	39	8	5	60/2,36	170/6,6
1066,8	42	9	5	60/2,36	170/6,6
1143	45	9	5	60/2,36	170/6,6
1219,2	48	10	5	60/2,36	170/6,6
1295,4	51	10	6	60/2,36	170/6,6
1371,6	54	11	7	60/2,36	170/6,6
1447,8	57	11	7	60/2,36	170/6,6
1524	60	12	7	60/2,36	170/6,6
1600,2	63	12	8	60/2,36	170/6,6
1676,4	66	12	8	60/2,36	170/6,6
1752,6	69	13	8	60/2,36	170/6,6
1828,8	72	14	9	60/2,36	170/6,6
1905	75	14	9	60/2,36	170/6,6
1981,2	78	15	10	60/2,36	170/6,6
2057,4	81	15	10	60/2,36	170/6,6

Note: Number of sprockets depends on the belt load.

MD254 GAP%48

Modular Belt Serie

MD254 GAP%48

Sprockets

Engineering Information







MD254 GAP%48

Modular Belt Serie

- **Bakery Applications**

Including Oven Infeed - Outfeed, Coating Lines, Glazing Lines, Freezing Lines, Conditioning Lines, Cooling Lines

- **Poultry Applications**

Cooling and Freezing Lines

- **Seafood Applications**

Including Breeding Machines, Draining Lines

- **Snack Food Applications**

Including Proofer Lines, Boiler Infeed, Oven Infeed - Outfeed, Cooling Lines

- **Fruits and Vegetables Applications**

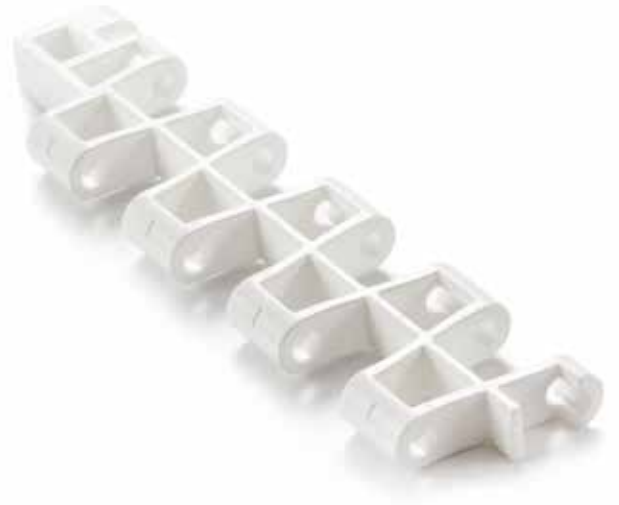
Including Prewashing / Rinsing, Draining

- **Packing Industry**

Shrink Tunnels

MD254 GAP%48

Pitch:	25.7 mm
Belt Surface:	Open smooth surface
Minimum Width:	203 mm
Open Area (%):	%48. (Biggest opening 9x13,5mm and 6x16,5mm)
Flight:	No
Sidewall:	No
Rod:	Ø4.9 mm
Approved:	FDA and EU
Curve:	No
Color:	Additional colors available
Cleanability:	Excellent
Belt Thickness:	11 mm



Product Features and Functional Benefits

- Belt provides optimal open area for drainage and airflow.
- Less friction and product contact for easy cooking, cooling and freezing of products.
- Reduced dirt and oxide build due to self cleaning surface.
- Stainless steel pins option for high temperature applications.
- Easy to clean reduces downtime for cleaning time %70.
- Stainless steel pins option reduce belt elongation for high temperature application.

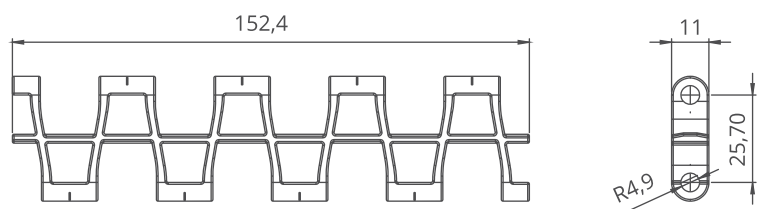
MD254 GAP%48 / Technical Information

BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		C (min.)	C (max.)	Kg/m ²
	Kg/m	N/m	Kg/m	N/m			
Polypropylene	840	15800	-	-	+5	+90	5.00
Polyethylene	-	-	-	-	-	-	-
Acetal	1400	14000	-	-	-43	+110	6.80

- Belt strength and temperature values are maximum on the table.

MD254 GAP%48 / Standard Belt Widths

BELT SERIES	WIDTH (W)				Belt With Tolerance (max.)
	PP-PE		POM		
	mm	inch	mm	inch	
MD254GAP48	203,2	8"	203,2	8"	± 0,5 mm
MD254GAP48	237	9"	237	9"	± 1 mm
MD254GAP48	270,8	11"	270,8	11"	± 1 mm
MD254GAP48	304,6	12"	304,6	12"	± 1 mm
MD254GAP48	338,4	13"	338,4	13"	± 2 mm
MD254GAP48	372,2	15"	372,2	15"	± 2 mm
MD254GAP48	406	16"	406	16"	± 2 mm
MD254GAP48	439,8	17"	439,8	17"	± 2 mm
MD254GAP48	473,6	19"	473,6	19"	± 2 mm
MD254GAP48	507,4	20"	507,4	20"	± 2 mm
MD254GAP48	541,2	21"	541,2	21"	± 2 mm
MD254GAP48	575	23"	575	23"	± 2 mm
MD254GAP48	608,8	24"	608,8	24"	± 3 mm
MD254GAP48	642,6	25"	642,6	25"	± 3 mm



- Bigger sizes are available with 33.8 mm increments.

- Please contact with customer service for precise belt measurements.

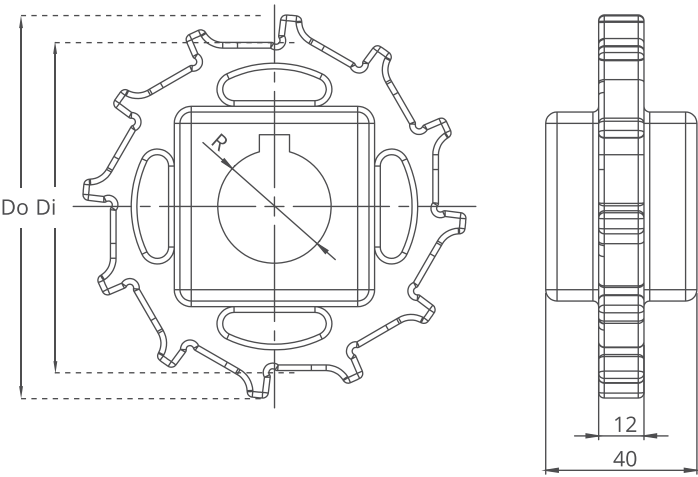
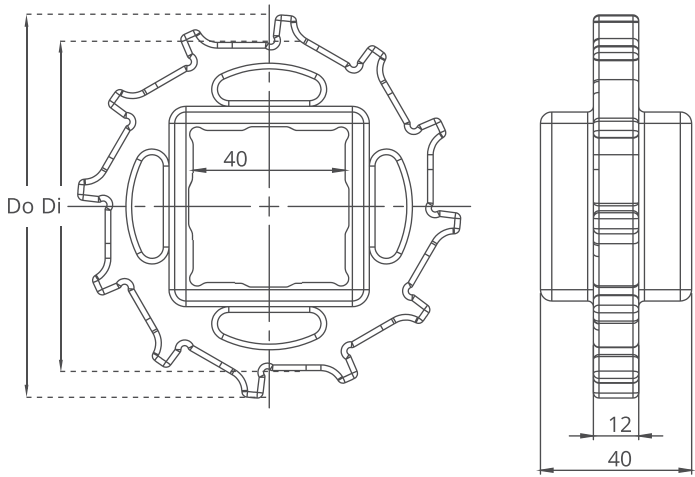
MD254 GAP%48 Serie *Sprockets and Technical Specifications*



Z12



Z12



MD254 GAP%48 Serie / Standard Sprockets Dimensions

NO.TEETH	Di	Do	B	A	Square Bore (Q)	Round Bore (R)	PRODUCT CODE	
							Square Type (Q)	Round Type (R)
Z12	86.80 mm	101.5 mm	12.0 mm	40.0 mm	40.0 mm	25.0 / 30.0	MD254GAPSQZ12*PA	MD254GAPSRZ12*PA

*Other sprockets and hub sizes are manufactured up to request.
*POM (Acetal) and PP (Polypropylene) sprockets raw material is available on request.



Clamb



Machined Split Sprocket

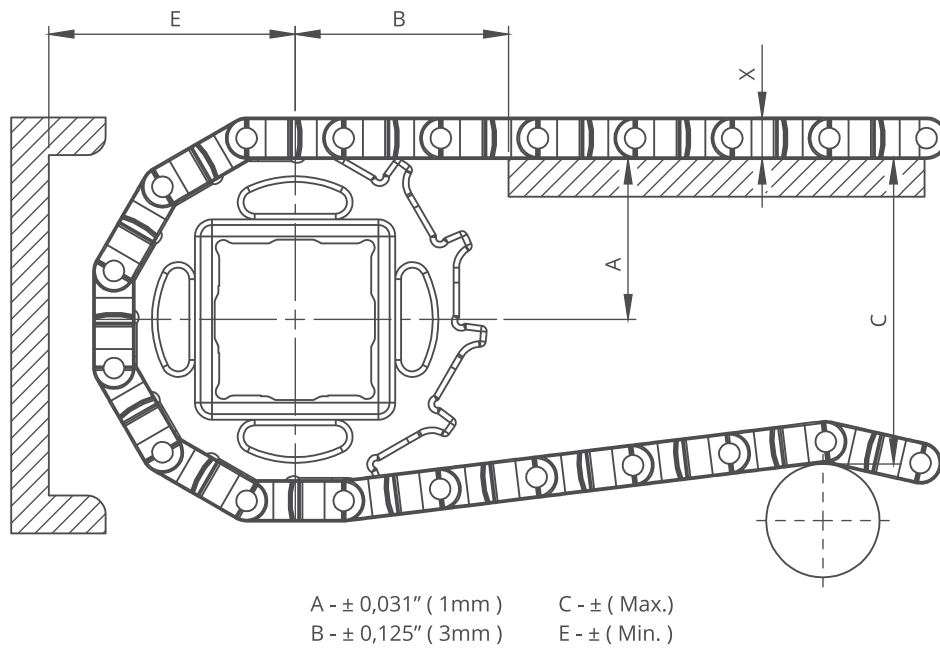


Moulded Sprocket



Machined Sprocket

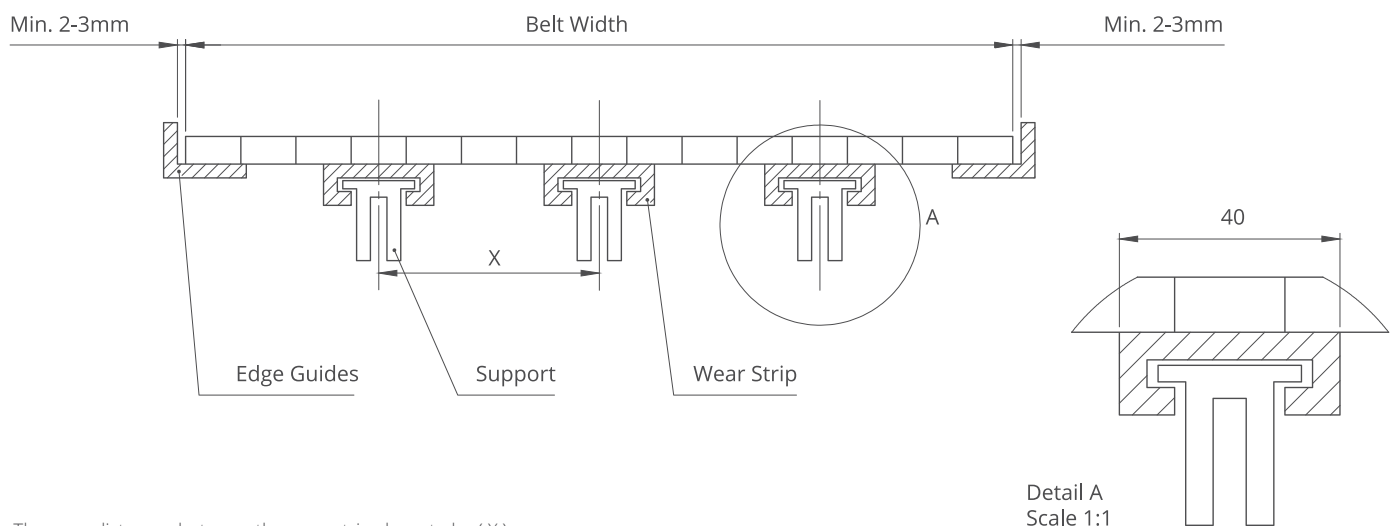
MD254 GAP%48 Serie *Engineering Information*



MD254 GAP%48 Serie / Conveyor Frame Dimensions

Sprockets Description			A		B		C		E		X	
Pitch Diameter		No.Teeth	Range (Bottom to Top)		In.	mm	In.	mm	In.	mm	In.	mm
In.	mm		In.	mm								
MD254 GAP%48												
3,74	95	12	1,73	44	2,22	56,5	3,15	80	2,56	65	0,43	11

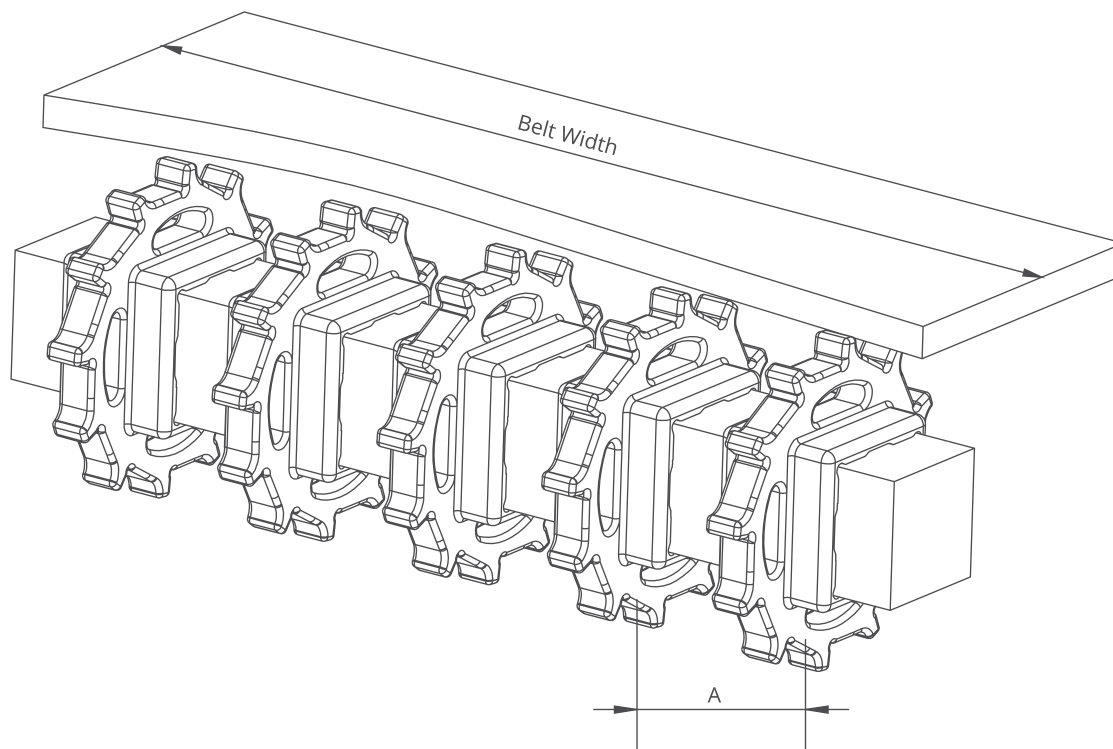
MD254 GAP%48 Serie / Slider Support System For Straight Running Belts



Note: The max. distances between the wear strips have to be (X) ;

125 mm for 2" belts
 80 mm for 1" / 0.5" belts

MD254 GAP%48 Serie *Engineering Information*



MD254 GAP%48 Serie / Sprockets Arrangement

Standard Belt Width		Number of sprockets per shaft		A (mm/inch)	
mm	inch	Drive Shaft	Return Shaft	Min.	Max.
203,2	8	2	2	60/2,36	170/6,6
237	9,3	2	2	60/2,36	170/6,6
270,8	10,7	2	2	60/2,36	170/6,6
304,6	12,0	3	2	60/2,36	170/6,6
338,4	13,3	3	2	60/2,36	170/6,6
372,2	14,7	4	3	60/2,36	170/6,6
406	16,0	4	3	60/2,36	170/6,6
439,8	17,3	4	3	60/2,36	170/6,6
473,6	18,6	5	3	60/2,36	170/6,6
507,4	20,0	5	3	60/2,36	170/6,6
541,2	21,3	5	3	60/2,36	170/6,6
575	22,6	5	3	60/2,36	170/6,6
608,8	24,0	6	4	60/2,36	170/6,6
642,6	25,3	6	4	60/2,36	170/6,6
676,4	26,6	6	4	60/2,36	170/6,6
710,2	28,0	7	4	60/2,36	170/6,6
744	29,3	7	4	60/2,36	170/6,6
777,8	30,6	7	4	60/2,36	170/6,6
811,6	32,0	7	4	60/2,36	170/6,6
845,4	33,3	8	4	60/2,36	170/6,6
879,2	34,6	8	5	60/2,36	170/6,6
913	35,9	8	5	60/2,36	170/6,6
946,8	37,3	8	5	60/2,36	170/6,6
980,6	38,6	8	5	60/2,36	170/6,6
1014,4	39,9	9	5	60/2,36	170/6,6
1048,2	41,3	9	5	60/2,36	170/6,6

Note: Number of sprockets depends on the belt load.

EC381

Modular Belt Series

EC381 C

EC381 PR%22

EC381 FG

EC381 NT

Sprockets & Accessories

Engineering Information







EC381 C

Modular Belt Series

- **Meat (Beef and Pork) Applications**

Fat - Trim Lines, General Conveyence, Packing Lines, Elevator

- **Poultry Applications**

Debonning, Trim Lines, Offal - Feather Lines, Grading Lines, Freezing Lines, Elevator

- **Seafood Applications**

Inspection Tables, Grading Lines, Trim Lines

- **Bakery Applications**

Row Dough Handling, Cooking Lines, Packing Lines

- **Snack Food Applications**

Corn Processing

- **Fruits and Vegetables Applications**

Bulk Feeding, Elevator, Control - Sorting Table

EC381 C

Pitch:	38.1 mm
Belt Surface:	Closed, Smooth Surface
Minimum Width:	152.4 mm
Open Area (%):	%0
Flight:	Yes (T25, T50, T75, T100)
Sidewall:	Yes (h=25 mm, h=50 mm)
Rod:	Ø5.7 mm
Approved:	FDA and EU
Curve:	No
Color:	Additional colors available
Cleanability:	Excellent
Belt Thickness:	12,5 mm



Product Features and Functional Benefits

- Easy to clean reduces downtime for cleaning time %70.
- Unique sprocket engagement - higher product load and longer conveyors.
- Close transfer applications.
- Reduces bacteria growth.

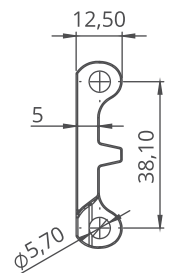
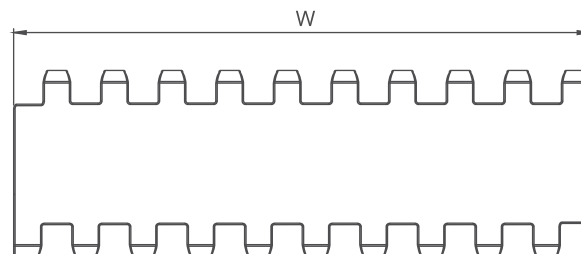
EC381 C / Technical Information

BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		C (min.)	C (max.)	Kg/m²
	Kg/m	N/m	Kg/m	N/m			
Polypropylene	1592	15920	-	-	+5	+90	6.35
Polyethylene	1520	15200	-	-	-73	+66	6.60
Acetal	2697	26970	-	-	-43	+110	9.60

- Belt strength and temperature values are maximum on the table.

EC381 C / Standard Belt Widths

BELT SERIES	WIDTH (W)				Belt With Tolerance (max.)
	PP-PE		POM		
	mm	inch	mm	inch	
EC381	152,4	6"	152,4	6"	± 0,5 mm
EC381	228,6	9"	228,6	9"	± 2 mm
EC381	304,8	12"	304,8	12"	± 2 mm
EC381	381	15"	381	15"	± 3 mm
EC381	457,2	18"	457,2	18"	± 3 mm
EC381	533,4	21"	533,4	21"	± 3 mm
EC381	609,6	24"	609,6	24"	± 3 mm
EC381	685,8	27"	685,8	27"	± 4 mm
EC381	762	30"	762	30"	± 4 mm
EC381	838,2	33"	838,2	33"	± 4 mm
EC381	914,4	36"	914,4	36"	± 4 mm
EC381	990,6	39"	990,6	39"	± 4 mm
EC381	1066,8	42"	1066,8	42"	± 4 mm
EC381	1143	45"	1143	45"	± 4 mm



- Standard belt increments 76.2 mm.
- Non standard belt increments 15 mm.
- Please contact with customer service for precise belt measurements.



EC381 PR%22

Modular Belt Series

- **Meat (Beef and Pork) Applications**

General Conveyance and Breeding Lines

- **Fruit and Vegetable Application**

Including Elevators, Steam Peeler, Inspection Tables

- **Seafood Applications**

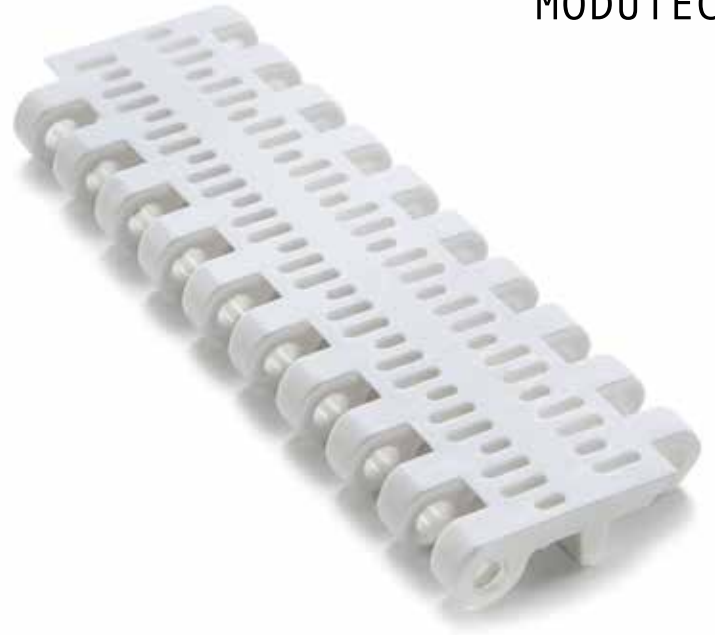
Including Elevators, Inspection Tables, Grading Lines, Trim Lines, Glazing Lines, Cooking Lines

- **Bakery Applications**

Row Dough Handling, Cooling Lines, Icing Lines, Packing Lines, Metal Detectors

EC381 PR%22

Pitch:	38.1 mm
Belt Surface:	Open, Smooth Surface
Minimum Width:	152.4 mm
Open Area (%):	%22. (Biggest opening 2.5x8 mm)
Flight:	Yes (T25, T50, T75, T100)
Sidewall:	Yes (h=25 mm, h=50 mm)
Rod:	Ø5.7 mm
Approved:	FDA and EU
Curve:	No
Color:	Additional colors available
Cleanability:	Excellent
Belt Thickness:	12,5 mm



Product Features and Functional Benefits

- Unique sprocket engagement- precise indexing, easy cleaning.
- Different openings to optimize performance in cooling and draining applications.
- Easy to clean reduces downtime for cleaning time %70.
- Reduces bacteria growth.

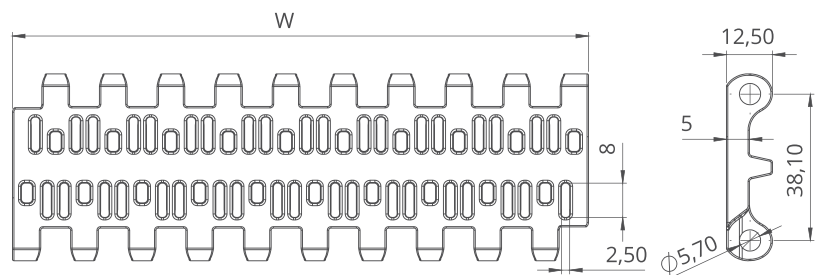
EC381 PR%22 / Technical Information

BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		C (min.)	C (max.)	Kg/m ²
	Kg/m	N/m	Kg/m	N/m			
Polypropylene	1527	15720	-	-	+5	+90	5.70
Polyethylene	1397	13970	-	-	-73	+66	5.90
Acetal	1690	16900	-	-	-43	+110	8.60

- Belt strength and temperature values are maximum on the table.

EC381 PR%22 / Standard Belt Widths

BELT SERIES	WIDTH (W)				Belt With Tolerance (max.)
	PP-PE		POM		
	mm	inch	mm	inch	
EC381	152,4	6"	152,4	6"	± 0,5 mm
EC381	228,6	9"	228,6	9"	± 2 mm
EC381	304,8	12"	304,8	12"	± 2 mm
EC381	381	15"	381	15"	± 3 mm
EC381	457,2	18"	457,2	18"	± 3 mm
EC381	533,4	21"	533,4	21"	± 3 mm
EC381	609,6	24"	609,6	24"	± 3 mm
EC381	685,8	27"	685,8	27"	± 4 mm
EC381	762	30"	762	30"	± 4 mm
EC381	838,2	33"	838,2	33"	± 4 mm
EC381	914,4	36"	914,4	36"	± 4 mm
EC381	990,6	39"	990,6	39"	± 4 mm
EC381	1066,8	42"	1066,8	42"	± 4 mm
EC381	1143	45"	1143	45"	± 4 mm



- Standard belt increments 76.2 mm.
- Non standard belt increments 15 mm.
- Please contact with customer service for precise belt measurements.



EC381 FG

Modular Belt Series

- **Bakery Applications**

Oven Infeed - Outfeed, Cooling Lines, Coating Lines, Glazing Lines, Freezing Lines, Conditioning Lines

- **Poultry Applications**

Skinning, Breeding Machines and Grading Lines

- **Seafood Applications**

Breeding Machines, Draining Lines

- **Snack Food Applications**

Proofer Lines, Boiler Infeed, Oven Infeed - Outfeed, Cooling Lines

- **Fruits and Vegetables Applications**

Prewashing - Rinsing, Draining

- **Textile Applications**

Cutter, Dyeing

EC381 FG

Pitch:	38.1 mm
Belt Surface:	Open, Smooth Surface
Minimum Width:	152.4 mm
Open Area (%):	%30. (Biggest opening 6.5x11 mm)
Flight:	Yes (T25, T50, T75, T100)
Sidewall:	Yes (h=25 mm, h=50 mm)
Rod:	Ø5.7 mm
Approved:	FDA and EU
Curve:	No
Color:	Additional colors available
Cleanability:	Excellent
Belt Thickness:	12,5 mm



Product Features and Functional Benefits

- Belt provides optimal open area for drainage and airflow.
- Less friction and product contact for easy cooking, cooling and freezing of products.
- Reduced dirt and oxide build due to self cleaning surface.
- Easy to clean reduces downtime for cleaning time %70.

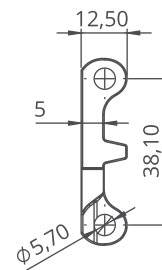
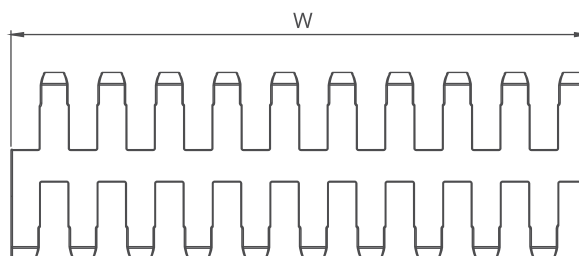
EC381 FG / Technical Information

BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		C (min.)	C (max.)	Kg/m²
	Kg/m	N/m	Kg/m	N/m			
Polypropylene	1627	16570	-	-	+5	+90	5.30
Polyethylene	1592	15920	-	-	-73	+66	5.40
Acetal	2762	27620	-	-	-43	+110	8.00

- Belt strength and temperature values are maximum on the table.

EC381 FG / Standard Belt Widths

BELT SERIES	WIDTH (W)				Belt With Tolerance (max.)
	PP-PE		POM		
	mm	inch	mm	inch	
EC381	152,4	6"	152,4	6"	± 0,5 mm
EC381	228,6	9"	228,6	9"	± 2 mm
EC381	304,8	12"	304,8	12"	± 2 mm
EC381	381	15"	381	15"	± 3 mm
EC381	457,2	18"	457,2	18"	± 3 mm
EC381	533,4	21"	533,4	21"	± 3 mm
EC381	609,6	24"	609,6	24"	± 3 mm
EC381	685,8	27"	685,8	27"	± 4 mm
EC381	762	30"	762	30"	± 4 mm
EC381	838,2	33"	838,2	33"	± 4 mm
EC381	914,4	36"	914,4	36"	± 4 mm
EC381	990,6	39"	990,6	39"	± 4 mm
EC381	1066,8	42"	1066,8	42"	± 4 mm
EC381	1143	45"	1143	45"	± 4 mm



- Standard belt increments 76.2 mm.
- Non standard belt increments 15 mm.
- Please contact with customer service for precise belt measurements.



EC381 NT

Modular Belt Series

- **Meat (Beef and Pork) Applications**

Elevator

- **Poultry Applications**

Elevator, Freezing Lines

- **Seafood Applications**

Control Tables, Glazing

- **Fruits and Vegetables**

Including Elevator

EC381 NT

Pitch:	38.1 mm
Belt Surface:	Closed, Nub Top Surface
Minimum Width:	152.4 mm
Open Area (%):	%0
Flight:	Yes (T25, T50, T75, T100)
Sidewall:	Yes (h=25 mm, h=50 mm)
Rod:	Ø5.7 mm
Approved:	FDA and EU
Curve:	No
Color:	Additional colors available
Cleanability:	Excellent
Belt Thickness:	14,5 mm



Product Features and Functional Benefits

- Easy to clean reduces downtime for cleaning time %70.
- Reduces bacteria growth.
- Non-adhesive due to reduced contact surface.
- Close transfer applications.

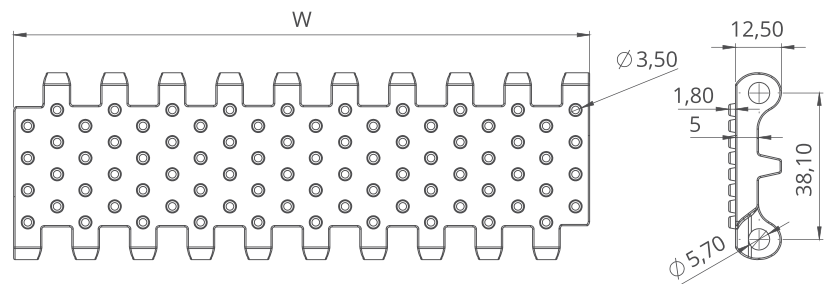
EC381 NT / Technical Information

BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		C (min.)	C (max.)	Kg/m ²
	Kg/m	N/m	Kg/m	N/m			
Polypropylene	1592	15920	-	-	+5	+90	6.50
Polyethylene	1520	15200	-	-	-73	+66	6.85
Acetal	2697	26970	-	-	-43	+110	9.90

- Belt strength and temperature values are maximum on the table.

EC381 NT / Standard Belt Widths

BELT SERIES	WIDTH (W)				Belt With Tolerance (max.)
	PP-PE		POM		
	mm	inch	mm	inch	
EC381	152,4	6"	152,4	6"	± 0,5 mm
EC381	228,6	9"	228,6	9"	± 2 mm
EC381	304,8	12"	304,8	12"	± 2 mm
EC381	381	15"	381	15"	± 3 mm
EC381	457,2	18"	457,2	18"	± 3 mm
EC381	533,4	21"	533,4	21"	± 3 mm
EC381	609,6	24"	609,6	24"	± 3 mm
EC381	685,8	27"	685,8	27"	± 4 mm
EC381	762	30"	762	30"	± 4 mm
EC381	838,2	33"	838,2	33"	± 4 mm
EC381	914,4	36"	914,4	36"	± 4 mm
EC381	990,6	39"	990,6	39"	± 4 mm
EC381	1066,8	42"	1066,8	42"	± 4 mm
EC381	1143	45"	1143	45"	± 4 mm

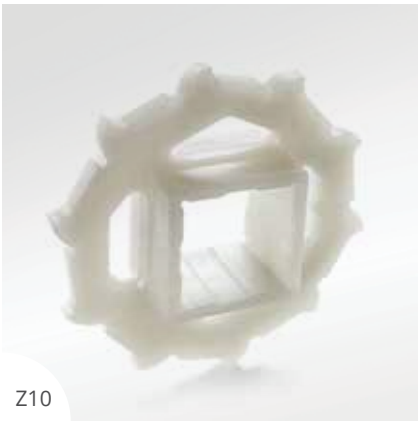


- Standard belt increments 76.2 mm.
- Non standard belt increments 15 mm.
- Please contact with customer service for precise belt measurements.

EC381 Series *Sprockets and Technical Specifications*



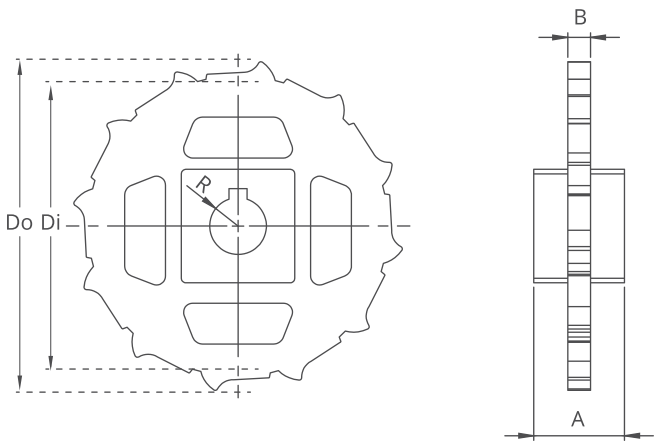
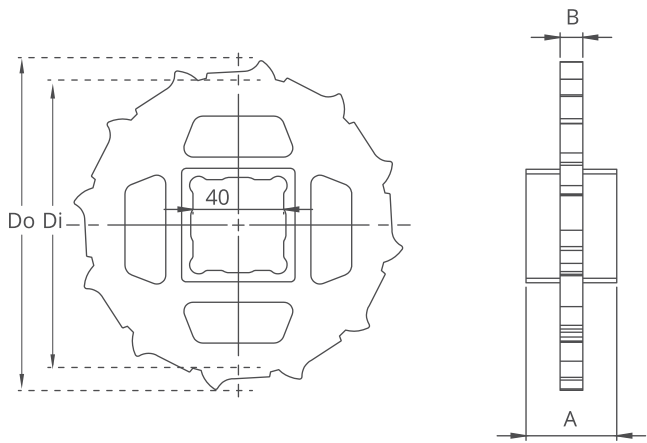
Z8



Z10



Z12



EC381 Series / Standard Sprockets Dimensions

NO.TEETH	Di	Do	B	A	Square Bore (Q)	Round Bore (R)	PRODUCT CODE	
							Square Type (Q)	Round Type (R)
Z8	84.0 mm	97.6 mm	10.0 mm	40.0 mm	40.0 mm	25.0 / 30.0	EC381SQZ8*PA	EC381SRZ8*PA
Z10	108.0 mm	122.0 mm	10.0 mm	40.0 mm	40.0 mm	25.0 / 30.0	EC381SQZ10*PA	EC381SRZ10*PA
Z12	134.0 mm	146.5 mm	10.0 mm	40.0 mm	40.0 mm	25.0 / 30.0	EC381SQZ12*PA	EC381SRZ12*PA

*Other sprockets and hub sizes are manufactured up to request.
*POM (Acetal) and PP (Polypropylene) sprockets raw material is available on request.



Clamb



Machined Split Sprocket

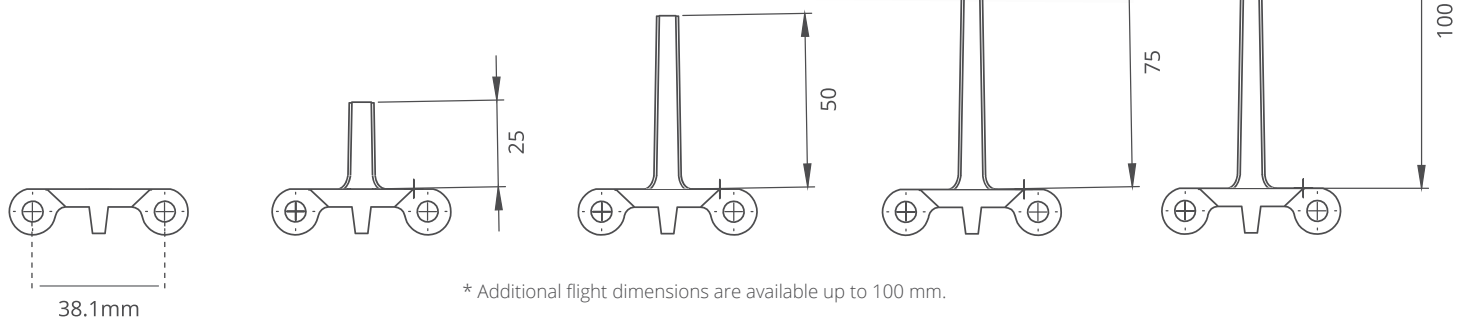


Moulded Sprocket



Machined Sprocket

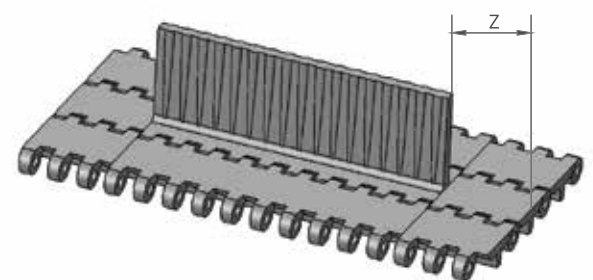
EC381 Series *Accessories and Technical Specifications*



EC381 Series / Flight Technical Specifications

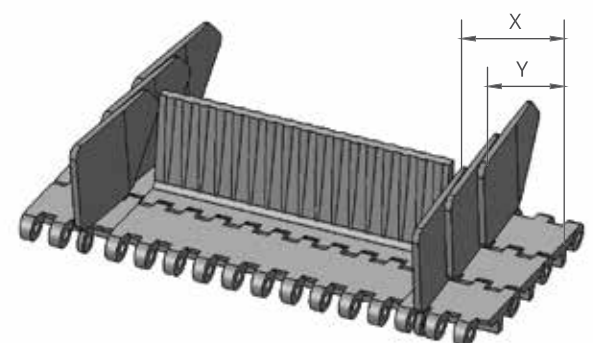
Possible Flight Indents for 38,1 mm Series	Z	
	(mm)	(inch)
Standart, no module cutting	15	0,59
Standart, no module cutting	30	1,18
Standart, no module cutting	45	1,77
Standart, no module cutting	60	2,36
Standart, no module cutting	75	2,95

*Non-standard flight indent is on request.



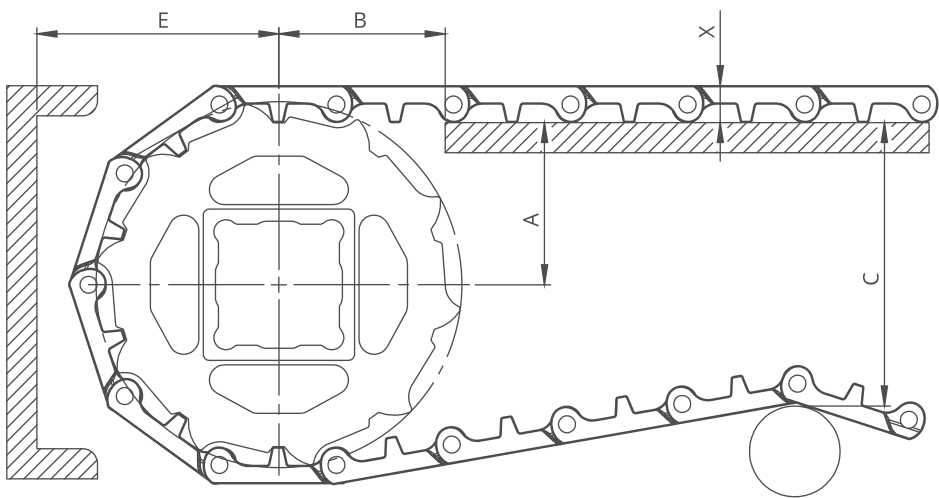
EC381 Series / Sidewall Technical Specifications

Possible Sidewall and Flight Indents	X		Y	
	(mm)	(inch)	(mm)	(inch)
Standart, no module cutting	24	0,94	15	0,59
Module cutting necessary	32	1,26	22	0,87
Standart, no module cutting	40	1,57	30	1,18
Module cutting necessary	48	1,89	37	1,46
Standart, no module cutting	56	2,20	45	1,77
Module cutting necessary	64	2,52	53	2,09



Note: Gap between flight and sidewall minimum 2-3 mm
Gap between flight and sidewall maximum 10 mm

EC381 Series *Engineering Information*

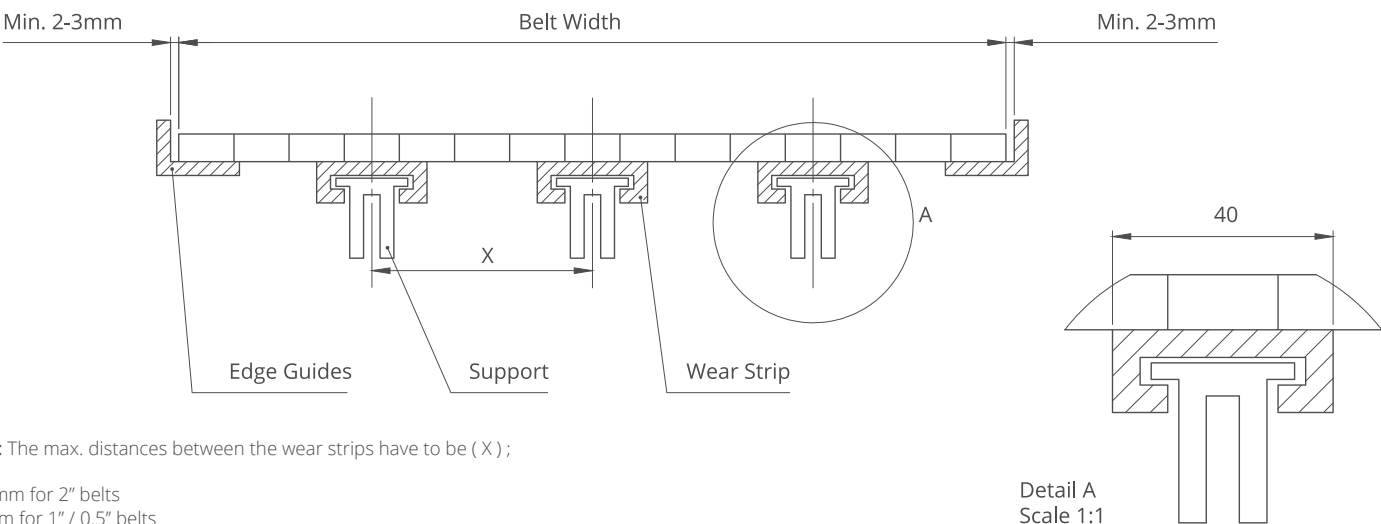


A - ± 0,031" (1mm) C - ± (Max.)
B - ± 0,125" (3mm) E - ± (Min.)

EC381 Series / Conveyor Frame Dimensions

Sprockets Description			A		B		C		E		X	
Pitch Diameter		No.Teeth	Range (Bottom to Top)		In.	mm	In.	mm	In.	mm	In.	mm
In.	mm		In.	mm								
EC381 C, EC381 PR%22, EC381 FG												
3,58	91	8	1,75	44,5	1,85	47	3,23	82	2,64	67	0,49	12,5
4,61	117	10	2,19	55,5	2,17	55	3,74	95	3,07	78	0,49	12,5
5,55	141	12	2,68	68	2,32	59	4,72	120	3,56	90,5	0,49	12,5
EC381 NT												
3,58	91	8	1,75	44,5	1,85	47	3,30	83,8	2,71	68,8	0,49	12,5
4,61	117	10	2,19	55,5	2,17	55	3,81	96,8	3,14	79,8	0,49	12,5
5,55	141	12	2,68	68	2,32	59	4,80	121,8	3,63	92,3	0,49	12,5

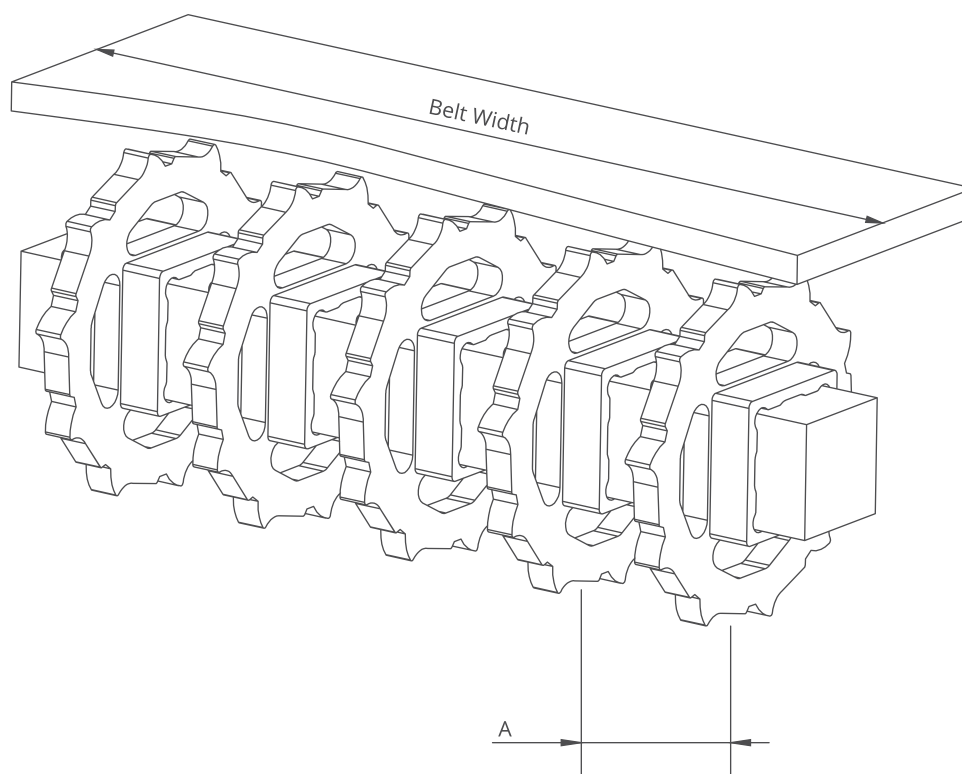
EC381 Series / Slider Support System For Straight Running Belts



Note: The max. distances between the wear strips have to be (X) ;

125 mm for 2" belts
80 mm for 1" / 0.5" belts

Detail A
Scale 1:1



EC381 Series / Sprockets Arrangement

Standard Belt Width		Number of sprockets per shaft		A (mm/inch)	
mm	inch	Drive Shaft	Return Shaft	Min.	Max.
152,4	6	2	2	60/2,36	170/6,6
228,6	9	2	2	60/2,36	170/6,6
304,8	12	3	2	60/2,36	170/6,6
381	15	4	3	60/2,36	170/6,6
457,2	18	5	3	60/2,36	170/6,6
533,4	21	5	3	60/2,36	170/6,6
609,6	24	6	3	60/2,36	170/6,6
685,8	27	6	4	60/2,36	170/6,6
762	30	7	4	60/2,36	170/6,6
838,2	33	7	4	60/2,36	170/6,6
914,4	36	8	4	60/2,36	170/6,6
990,6	39	8	5	60/2,36	170/6,6
1066,8	42	9	5	60/2,36	170/6,6
1143	45	9	5	60/2,36	170/6,6
1219,2	48	10	5	60/2,36	170/6,6
1295,4	51	10	6	60/2,36	170/6,6
1371,6	54	11	7	60/2,36	170/6,6
1447,8	57	11	7	60/2,36	170/6,6
1524	60	12	7	60/2,36	170/6,6
1600,2	63	12	8	60/2,36	170/6,6
1676,4	66	12	8	60/2,36	170/6,6
1752,6	69	13	8	60/2,36	170/6,6
1828,8	72	14	9	60/2,36	170/6,6
1905	75	14	9	60/2,36	170/6,6
1981,2	78	15	10	60/2,36	170/6,6
2057,4	81	15	10	60/2,36	170/6,6

Note: Number of sprockets depends on the belt load.

EC508

Modular Belt Series

EC508 C

EC508 PR%22

EC508 FG

EC508 PR%11

EC508 PR%13

EC508 DT

Sprockets & Accessories

Engineering Information







EC508 C

Modular Belt Series

- **Meat Applications**

Slaughtering - Evisceration, Cutting Lines, Debonning Lines, Bone Takeaway, Dressing Lines, Trim Lines

- **Poultry Applications**

Live Birds, Slaughtering - Evisceration, Skinning, Cut - Up, Chiller Discharge, Bird Accumulation, Freezing Lines, Elevator

- **Sea Food Applications**

Trim Lines, Control Tables, Glazing, Elevator

- **Bakery Applications**

Row Dough Handling, Laminating Lines

- **Snack Food Applications**

Potato Processing

- **Fruits and Vegetables Applications**

Bulk Feeding, Elevator, Control Sorting Table, Filling

- **Automotive Applications**

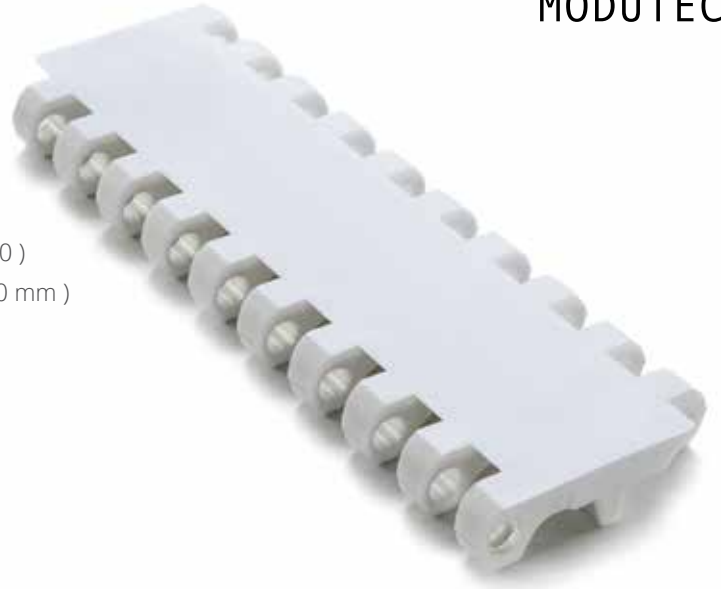
Chair Lift - Feeder

- **Packaging Applications**

Bluk Inclines, Box Transport Horizontal

EC508 C

Pitch:	50.8 mm
Belt Surface:	Close, Smooth Surface
Minimum Width:	200 mm
Open Area (%):	%0
Flight:	Yes (T25, T50, T75, TC75, T100, TC100, T150)
Sidewall:	Yes (h=25 mm, h=50 mm, h=75 mm, h=100 mm)
Rod:	Ø7 mm - Self Lock
Approved:	FDA and EU
Curve:	No
Color:	Additional colors available
Cleanability:	Excellent
Belt Thickness:	16 mm



Product Features and Functional Benefits

- Easy to clean reduces downtime for cleaning time 70%.
- Close transfer applications.
- Reduces bacteria growth.
- Unique sprocket engagement - higher product load and longer conveyors.
- Strong and thick product supports allow more load without breaking.
- Impact resistance to withstand heavy objects falling into the belt.

Available Moulded Module Sizes

- 200 mm module
- 100 mm module
- 60 mm module
- 40 mm module

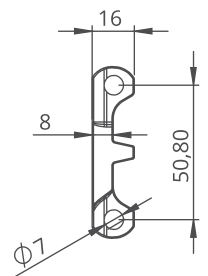
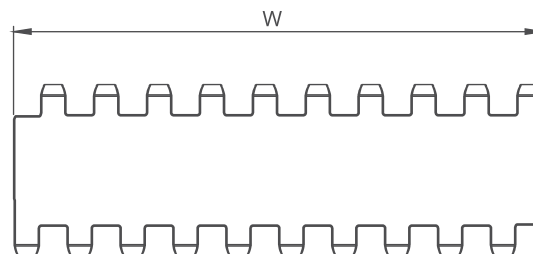
EC508 C / Technical Information

BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		C (min.)	C (max.)	Kg/m ²
	Kg/m	N/m	Kg/m	N/m			
Polypropylene	1750	17500	-	-	+5	+90	8.00
Polyethylene	1675	16750	-	-	-73	+66	8.20
Acetal	2950	29500	-	-	-43	+110	12.10

- Belt strength and temperature values are maximum on the table.

EC508 C / Standard Belt Widths

BELT SERIES	WIDTH (W)				Belt With Tolerance (max.)
	PP-PE		POM		
	mm	inch	mm	inch	
EC 508	200	7,87"	200	7,87"	± 1 mm
EC 508	300	11,81"	300	11,81"	± 2 mm
EC 508	400	15,75"	400	15,75"	± 2 mm
EC 508	500	19,69"	500	19,69"	± 2 mm
EC 508	600	23,62"	600	23,62"	± 3 mm
EC 508	700	27,56"	700	27,56"	± 3 mm
EC 508	800	31,50"	800	31,50"	± 3 mm
EC 508	900	35,43"	900	35,43"	± 4 mm
EC 508	1000	39,37"	1000	39,37"	± 4 mm
EC 508	1100	43,31"	1100	43,31"	± 4 mm
EC 508	1200	47,24"	1200	47,24"	± 4 mm
EC 508	1300	51,18"	1300	51,18"	± 5 mm
EC 508	1400	55,11"	1400	55,11"	± 5 mm
EC 508	1500	59,06"	1500	59,06"	± 5 mm



- Standard belt increments 20 mm.

- Please contact with customer service for precise belt measurements.



EC508 PR%22

Modular Belt Series

- **Meat Applications**

Dressing Lines, Trim Lines, Elevator, Metal Detector

- **Poultry Applications**

Cut-up Lines, Debonning Lines, Chiller Discharge, Rehang / Bird Accumulation, Freezing Lines, Elevators

- **Sea Food Applications**

Draining, Elevator

- **Snack Food Applications**

Can Draining

- **Fruits and Vegetables Applications**

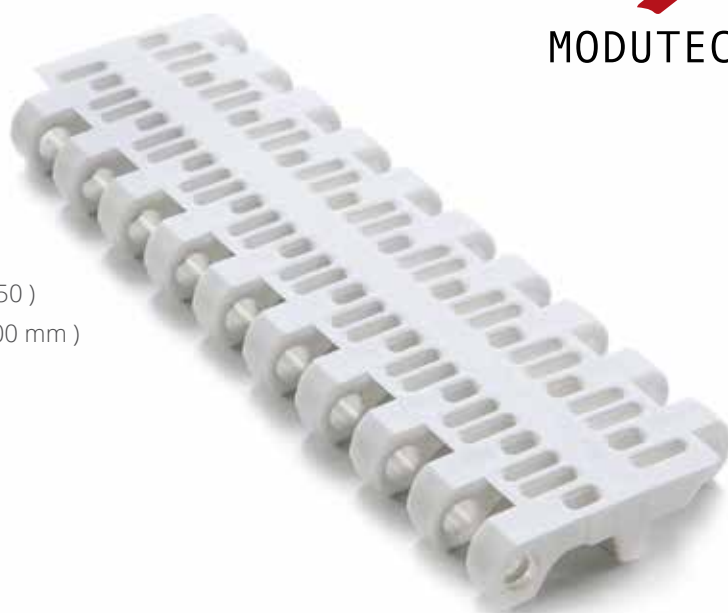
Prewashing / Rinsing, Draining, Peeling, Elevator, Blanching



MODUTECH

EC508 PR%22

Pitch:	50.8 mm
Belt Surface:	Open, Smooth Surface
Minimum Width:	200 mm
Open Area (%):	%22. (Biggest opening 3 x12 mm)
Flight:	Yes (T25, T50, T75, TC75, T100, TC100, T150)
Sidewall:	Yes (h=25 mm, h=50 mm, h=75 mm, h=100 mm)
Rod:	Ø7 mm - Self Lock
Approved:	FDA and EU
Curve:	No
Color:	Additional colors available
Cleanability:	Excellent
Belt Thickness:	16 mm



Product Features and Functional Benefits

- Unique sprocket engagement - precise indexing, easy cleaning.
- Different openings to optimize performance in cooling and draining applications.
- Easy to clean reduces downtime for cleaning time %70.
- Unique sprocket engagement - higher product load and longer conveyors.
- Reduces bacteria growth.

Available Moulded Module Sizes

- 200 mm module
- 100 mm module
- 60 mm module
- 40 mm module

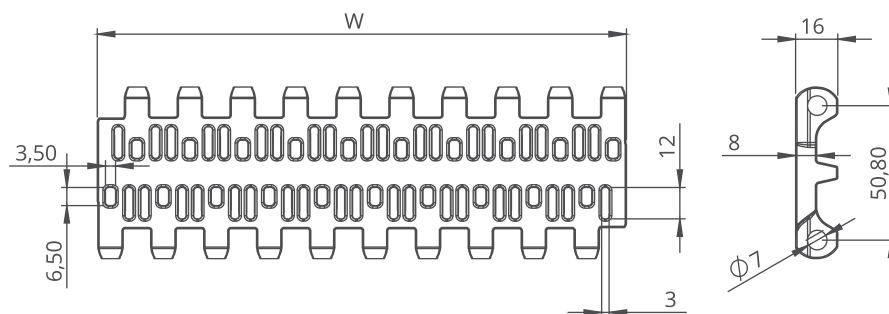
EC508 PR%22 / Technical Information

BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		C (min.)	C (max.)	Kg/m ²
	Kg/m	N/m	Kg/m	N/m			
Polypropylene	1606	16060	-	-	+5	+90	6.90
Polyethylene	1500	15000	-	-	-73	+66	7.20
Acetal	2838	28380	-	-	-43	+110	10.50

- Belt strength and temperature values are maximum on the table.

EC508 PR%22 / Standard Belt Widths

BELT SERIES	WIDTH (W)				Belt With Tolerance (max.)
	PP-PE		POM		
	mm	inch	mm	inch	
EC 508	200	7,87"	200	7,87"	± 1 mm
EC 508	300	11,81"	300	11,81"	± 2 mm
EC 508	400	15,75"	400	15,75"	± 2 mm
EC 508	500	19,69"	500	19,69"	± 2 mm
EC 508	600	23,62"	600	23,62"	± 3 mm
EC 508	700	27,56"	700	27,56"	± 3 mm
EC 508	800	31,50"	800	31,50"	± 3 mm
EC 508	900	35,43"	900	35,43"	± 4 mm
EC 508	1000	39,37"	1000	39,37"	± 4 mm
EC 508	1100	43,31"	1100	43,31"	± 4 mm
EC 508	1200	47,24"	1200	47,24"	± 4 mm
EC 508	1300	51,18"	1300	51,18"	± 5 mm
EC 508	1400	55,11"	1400	55,11"	± 5 mm
EC 508	1500	59,06"	1500	59,06"	± 5 mm



- Standard belt increments 20 mm.

- Please contact with customer service for precise belt measurements.



EC508 FG

Modular Belt Series

- **Bakery Applications**

Oven Infeed/Outfeed, Cooling Lines, Coating Lines, Glazing Lines, Freezing Lines, Conditioning Lines

- **Sea Food Applications**

Breeding Machines, Draining Lines

- **Snack Food Applications**

Proofer Lines, Boiler Infeed, Oven Infeed / Outfeed, Cooling Lines

- **Fruits and Vegetables Applications**

Prewashing / Rinsing, Draining

- **Tire Manufacturing Applications**

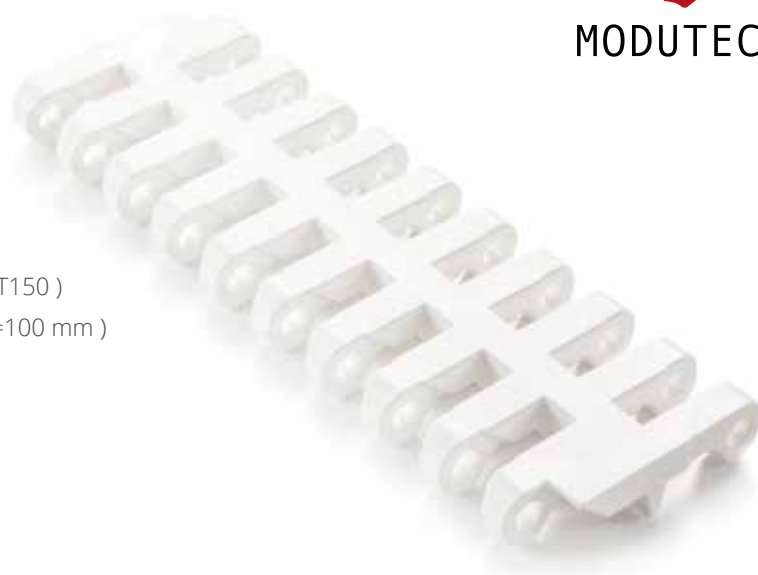
Mixer Infeed / Outfeed, Extrusion Shower Lines, Cooling Incline, Cooling Decline, Cooling Horizontal



MODUTECH

EC508 FG

Pitch:	50.8 mm
Belt Surface:	Open, Smooth Surface
Minimum Width:	200 mm
Open Area (%):	%35. (Biggest opening 9x12 mm)
Flight:	Yes (T25, T50, T75, TC75, T100, TC100, T150)
Sidewall:	Yes (h=25 mm, h=50 mm, h=75 mm, h=100 mm)
Rod:	Ø7 mm - Self Lock
Approved:	FDA and EU
Curve:	No
Color:	Additional colors available
Cleanability:	Excellent
Belt Thickness:	16 mm



Product Features and Functional Benefits

- Belt provides optimal open area for drainage and airflow.
- Less friction and product contact for easy cooking, cooling and freezing of products.
- Reduced dirt and oxide build due to self cleaning surface.
- Easy to clean reduces downtime for cleaning time %70.

Available Moulded Module Sizes

- 200 mm module

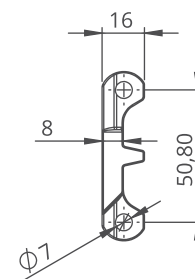
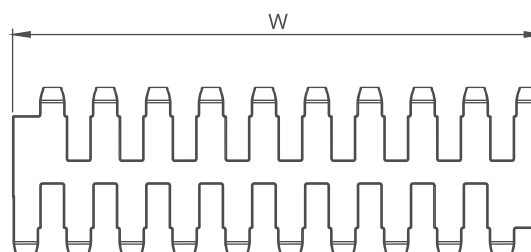
EC508 FG / Technical Information

BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		C (min.)	C (max.)	Kg/m ²
	Kg/m	N/m	Kg/m	N/m			
Polypropylene	1500	15000	-	-	+5	+90	6.90
Polyethylene	1400	14000	-	-	-73	+66	7.20
Acetal	2500	25000	-	-	-43	+110	10.50

- Belt strength and temperature values are maximum on the table.

EC508 FG / Standard Belt Widths

BELT SERIES	WIDTH (W)				Belt With Tolerance (max.)
	PP-PE		POM		
	mm	inch	mm	inch	
EC 508	200	7,87"	200	7,87"	± 1 mm
EC 508	300	11,81"	300	11,81"	± 2 mm
EC 508	400	15,75"	400	15,75"	± 2 mm
EC 508	500	19,69"	500	19,69"	± 2 mm
EC 508	600	23,62"	600	23,62"	± 3 mm
EC 508	700	27,56"	700	27,56"	± 3 mm
EC 508	800	31,50"	800	31,50"	± 3 mm
EC 508	900	35,43"	900	35,43"	± 4 mm
EC 508	1000	39,37"	1000	39,37"	± 4 mm
EC 508	1100	43,31"	1100	43,31"	± 4 mm
EC 508	1200	47,24"	1200	47,24"	± 4 mm
EC 508	1300	51,18"	1300	51,18"	± 5 mm
EC 508	1400	55,11"	1400	55,11"	± 5 mm
EC 508	1500	59,06"	1500	59,06"	± 5 mm



- Standard belt increments 20 mm.

- Please contact with customer service for precise belt measurements.



EC508 PR%11

Modular Belt Series

- **Meat Applications**

Dressing Lines, Trim Lines, Elevator, Metal Detector

- **Poultry Applications**

Cut-up Lines, Debonning Lines, Chiller Discharge, Rehang / Bird Accumulation, Freezing Lines, Elevators

- **Sea Food Applications**

Draining, Elevator

- **Snack Food Applications**

Can Draining

- **Fruits and Vegetables Applications**

Prewashing / Rinsing, Draining, Peeling, Elevator

EC508 PR%11

Pitch:	50.8 mm
Belt Surface:	Open, Smooth Surface
Minimum Width:	200 mm
Open Area (%):	%11. (Biggest opening 1,2 x12 mm)
Flight:	Yes (T25, T50, T75, TC75, T100, TC100, T150)
Sidewall:	Yes (h=25 mm, h=50 mm, h=75 mm, h=100 mm)
Rod:	Ø7 mm - Self Lock
Approved:	FDA and EU
Curve:	No
Color:	Additional colors available
Cleanability:	Excellent
Belt Thickness:	16 mm



Product Features and Functional Benefits

- Unique sprocket engagement - precise indexing, easy cleaning.
- Different openings to optimize performance in cooling and draining applications.
- Easy to clean reduces downtime for cleaning time %70.
- Unique sprocket engagement - higher product load and longer conveyors.
- Reduces bacteria growth.

Available Moulded Module Sizes

- 200 mm module

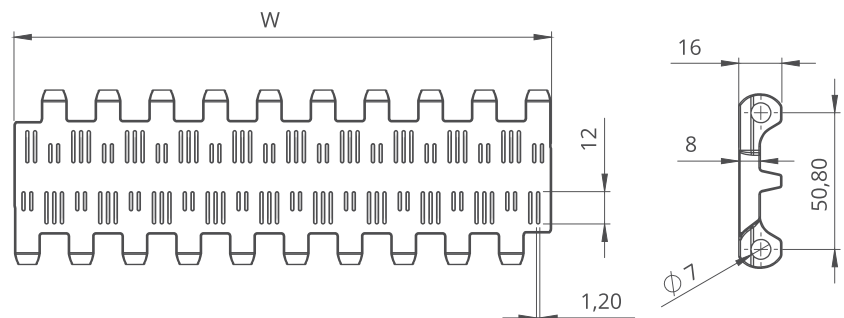
EC508 PR%11 / Technical Information

BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		C (min.)	C (max.)	Kg/m ²
	Kg/m	N/m	Kg/m	N/m			
Polypropylene	1606	16060	-	-	+5	+90	6.90
Polyethylene	1500	15000	-	-	-73	+66	7.20
Acetal	2838	28380	-	-	-43	+110	10.50

- Belt strength and temperature values are maximum on the table.

EC508 PR%11 / Standard Belt Widths

BELT SERIES	WIDTH (W)				Belt With Tolerance (max.)
	PP-PE		POM		
	mm	inch	mm	inch	
EC 508	200	7,87"	200	7,87"	± 1 mm
EC 508	300	11,81"	300	11,81"	± 2 mm
EC 508	400	15,75"	400	15,75"	± 2 mm
EC 508	500	19,69"	500	19,69"	± 2 mm
EC 508	600	23,62"	600	23,62"	± 3 mm
EC 508	700	27,56"	700	27,56"	± 3 mm
EC 508	800	31,50"	800	31,50"	± 3 mm
EC 508	900	35,43"	900	35,43"	± 4 mm
EC 508	1000	39,37"	1000	39,37"	± 4 mm
EC 508	1100	43,31"	1100	43,31"	± 4 mm
EC 508	1200	47,24"	1200	47,24"	± 4 mm
EC 508	1300	51,18"	1300	51,18"	± 5 mm
EC 508	1400	55,11"	1400	55,11"	± 5 mm
EC 508	1500	59,06"	1500	59,06"	± 5 mm



- Standard belt increments 20 mm.

- Please contact with customer service for precise belt measurements.



EC508 PR%13

Modular Belt Series

- ***Poultry Applications***

Cut-up Lines, Debonning Lines, Chiller Discharge, Rehang / Bird Accumulation, Freezing Lines, Elevators

- ***Sea Food Applications***

Draining, Elevator

- ***Snack Food Applications***

Can Draining

- ***Fruits and Vegetables Applications***

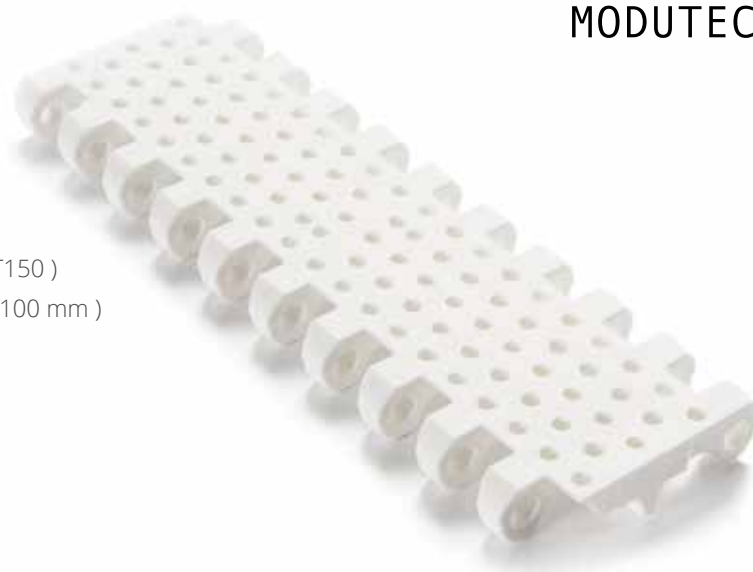
Prewashing / Rinsing, Draining, Peeling, Elevator



MODUTECH

EC508 PR%13

Pitch:	50.8 mm
Belt Surface:	Open, Circle Hole Smooth Surface
Minimum Width:	200 mm
Open Area (%):	%13. (Biggest opening Ø4 mm)
Flight:	Yes (T25, T50, T75, TC75, T100, TC100, T150)
Sidewall:	Yes (h=25 mm, h=50 mm, h=75 mm, h=100 mm)
Rod:	Ø7 mm - Self Lock
Approved:	FDA and EU
Curve:	No
Color:	Additional colors available
Cleanability:	Excellent
Belt Thickness:	16 mm



Product Features and Functional Benefits

- Unique sprocket engagement - precise indexing, easy cleaning.
- Different openings to optimize performance in cooling and draining applications.
- Easy to clean reduces downtime for cleaning time %70.
- Unique sprocket engagement - higher product load and longer conveyors.
- Reduces bacteria growth.

Available Moulded Module Sizes

- 200 mm module

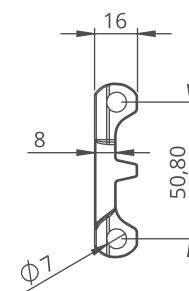
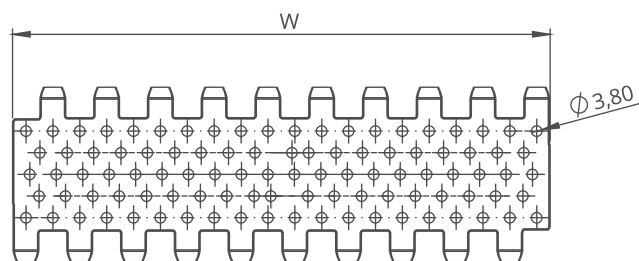
EC508 PR%13 / Technical Information

BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		C (min.)	C (max.)	Kg/m ²
	Kg/m	N/m	Kg/m	N/m			
Polypropylene	1606	16060	-	-	+5	+90	6.90
Polyethylene	1500	15000	-	-	-73	+66	7.20
Acetal	2838	28380	-	-	-43	+110	10.50

- Belt strength and temperature values are maximum on the table.

EC508 PR%13 / Standard Belt Widths

BELT SERIES	WIDTH (W)				Belt With Tolerance (max.)
	PP-PE		POM		
	mm	inch	mm	inch	
EC 508	200	7,87"	200	7,87"	± 1 mm
EC 508	300	11,81"	300	11,81"	± 2 mm
EC 508	400	15,75"	400	15,75"	± 2 mm
EC 508	500	19,69"	500	19,69"	± 2 mm
EC 508	600	23,62"	600	23,62"	± 3 mm
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EC 508	800	31,50"	800	31,50"	± 3 mm
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EC 508	1200	47,24"	1200	47,24"	± 4 mm
EC 508	1300	51,18"	1300	51,18"	± 5 mm
EC 508	1400	55,11"	1400	55,11"	± 5 mm
EC 508	1500	59,06"	1500	59,06"	± 5 mm



- Standard belt increments 20 mm.

- Please contact with customer service for precise belt measurements.



EC508 DT

Modular Belt Series

- **Meat Applications**

*Slaughtering / Evisceration, Cutting Lines, Deboning Lines,
Bone Takeaway, Dressing Lines, Trim Lines*

- **Poultry Applications**

*Live Birds, Slaughtering / Evisceration, Skining, Cut-up, Chiller Discharge,
Bird Accumulation, Freezing Lines, Elevators*

- **Sea Food Applications**

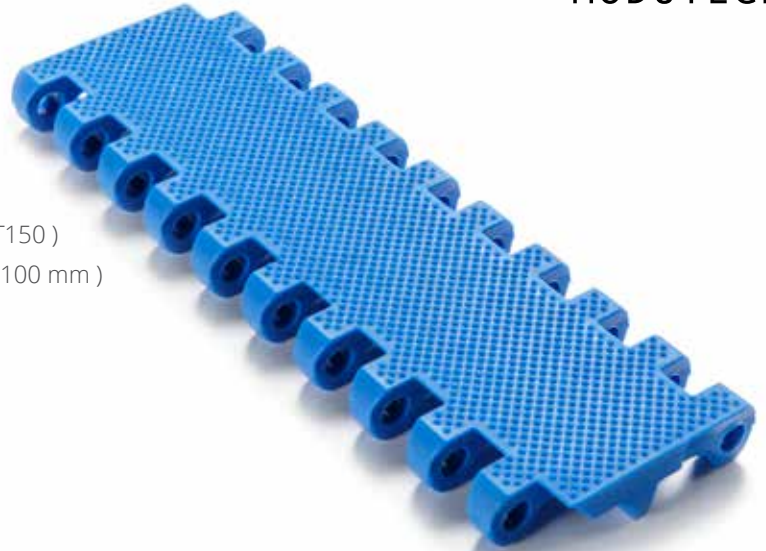
Trim Lines, Control Tables, Glazing, Elevators

- **Fruits and Vegetables Applications**

Bulk Feeding, Elevators, Control Sorting Table, Filling

EC508 DT

Pitch:	50.8 mm
Belt Surface:	Close, Diamond Top Surface
Minimum Width:	200 mm
Open Area (%):	%0
Flight:	Yes (T25, T50, T75, TC75, T100, TC100, T150)
Sidewall:	Yes (h=25 mm, h=50 mm, h=75 mm, h=100 mm)
Rod:	Ø7 mm - Self Lock
Approved:	FDA and EU
Curve:	No
Color:	Additional colors available
Cleanability:	Excellent
Belt Thickness:	17 mm



Product Features and Functional Benefits

- Easy to clean reduces downtime for cleaning time %70.
- Close, sticky transfer applications.
- Reduces bacteria growth.
- Unique sprocket engagement - higher product load and longer conveyors.
- Strong and thick product supports allow more load without breaking.
- Impact resistance to withstand heavy objects falling into the belt.

Available Moulded Module Sizes

- 200 mm module

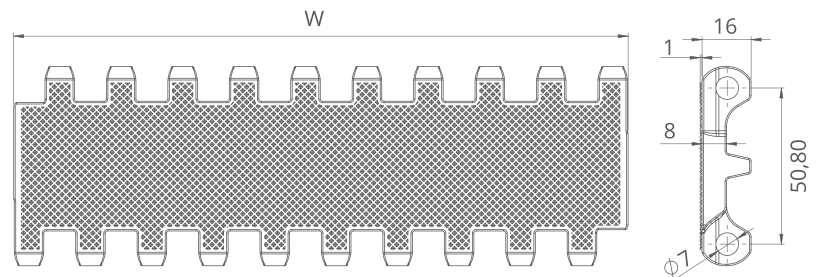
EC508 DT / Technical Information

BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		C (min.)	C (max.)	Kg/m ²
	Kg/m	N/m	Kg/m	N/m			
Polypropylene	1750	17500	-	-	+5	+90	8.00
Polyethylene	1675	16750	-	-	-73	+66	8.20
Acetal	2950	29500	-	-	-43	+110	12.10

- Belt strength and temperature values are maximum on the table.

EC508 DT / Standard Belt Widths

BELT SERIES	WIDTH (W)				Belt With Tolerance (max.)
	PP-PE		POM		
	mm	inch	mm	inch	
EC 508	200	7,87"	200	7,87"	± 1 mm
EC 508	300	11,81"	300	11,81"	± 2 mm
EC 508	400	15,75"	400	15,75"	± 2 mm
EC 508	500	19,69"	500	19,69"	± 2 mm
EC 508	600	23,62"	600	23,62"	± 3 mm
EC 508	700	27,56"	700	27,56"	± 3 mm
EC 508	800	31,50"	800	31,50"	± 3 mm
EC 508	900	35,43"	900	35,43"	± 4 mm
EC 508	1000	39,37"	1000	39,37"	± 4 mm
EC 508	1100	43,31"	1100	43,31"	± 4 mm
EC 508	1200	47,24"	1200	47,24"	± 4 mm
EC 508	1300	51,18"	1300	51,18"	± 5 mm
EC 508	1400	55,11"	1400	55,11"	± 5 mm
EC 508	1500	59,06"	1500	59,06"	± 5 mm



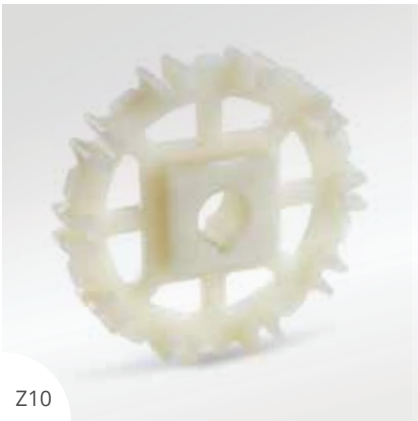
- Standard belt increments 20 mm.

- Please contact with customer service for precise belt measurements.

EC508 Series *Sprockets and Technical Specifications*



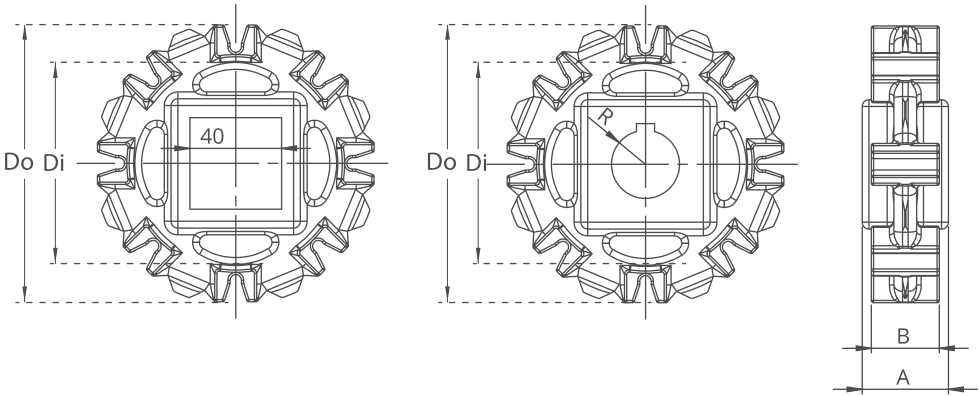
Z10



Z10



Z12



EC508 Series / Standard Sprockets Dimensions

NO.TEETH	Di	Do	B	A	Square Bore (Q)	Round Bore (R)	PRODUCT CODE	
							Square Type (Q)	Round Type (R)
Z6	73 mm	90 mm	30.0 mm	40.0 mm	40.0 mm	25.0 / 30.0	EC508SQFZ6*PA	EC508SRFZ6*PA
Z8	105.0 mm	122.0 mm	30.0 mm	40.0 mm	40.0 mm	25.0 / 30.0	EC508SQFZ8*PA	EC508SRFZ8*PA
Z10	138.5 mm	156.5 mm	30.0 mm	40.0 mm	40.0 mm	25.0 / 30.0	EC508SQFZ10*PA	EC508SRFZ10*PA
Z12	179.0 mm	197.0 mm	30.0 mm	40.0 mm	40.0 / 60.0 mm	25.0 / 30.0	EC508SQFZ12*PA	EC508SRFZ12*PA

*Other sprockets and hub sizes are manufactured up to request. *POM (Acetal) and PP (Polypropylene) sprockets raw material is available on request.



Clamb



Machined Split Sprocket

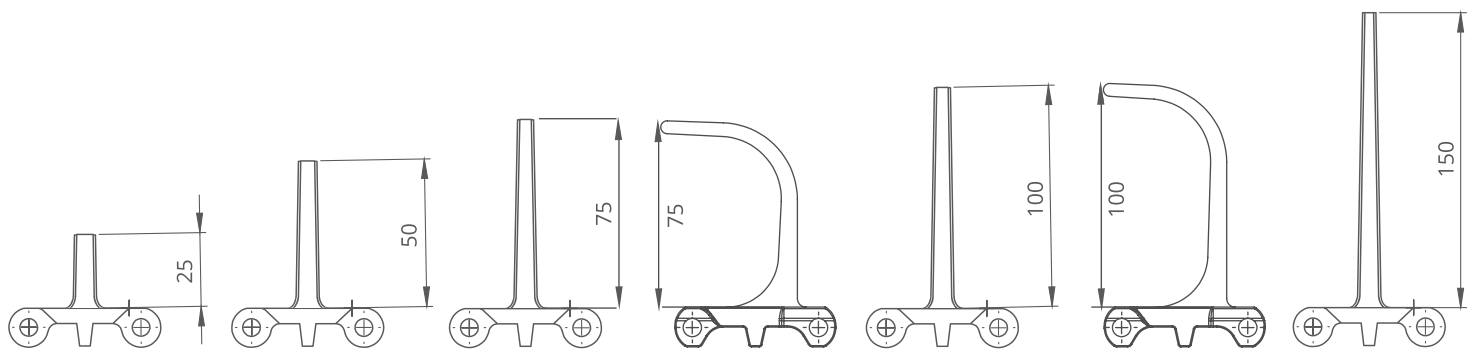


Moulded Sprocket



Machined Sprocket

EC508 Series *Accessories and Technical Specifications*

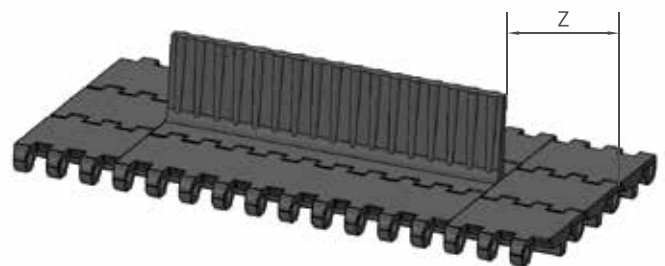


* Additional flight dimensions are available up to 150 mm.

EC508 Series / Flight Technical Specifications

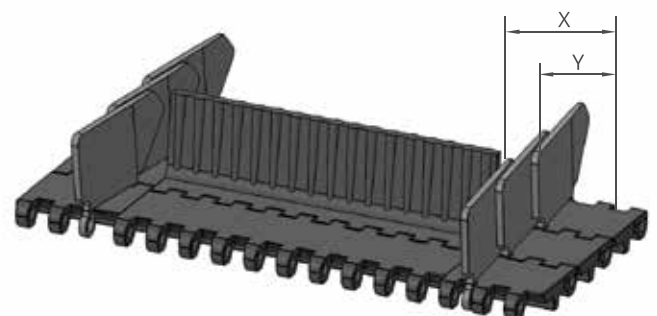
Possible Flight Indents for 50,8 mm Series	Z	
	(mm)	(inch)
Standart, no module cutting	40	1,57
Standart, no module cutting	60	2,36
Standart, no module cutting	80	3,15
Standart, no module cutting	100	3,94

*Non-standard flight indent is on request.



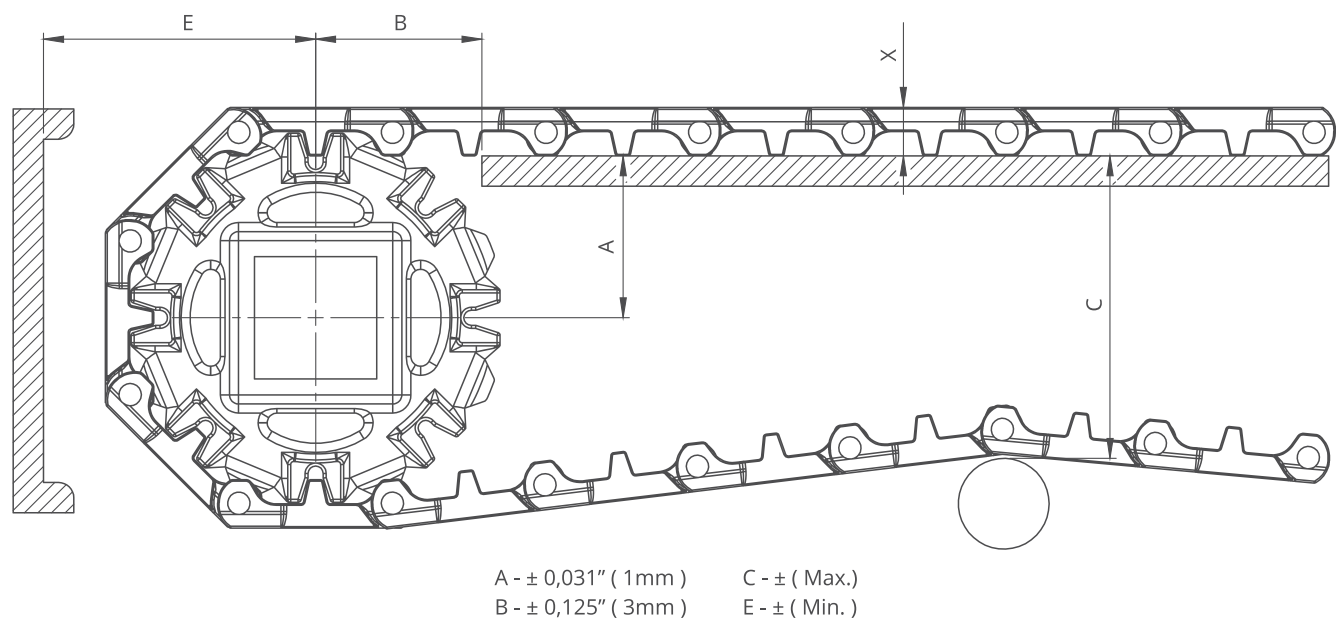
EC508 Series / Sidewall Technical Specifications

Possible Sidewall and Flight Indents	X		Y	
	(mm)	(inch)	(mm)	(inch)
Standart, no module cutting	32	1,26	20	0,79
Module cutting necessary	42	1,65	30	1,18
Standart, no module cutting	52	2,05	40	1,57
Module cutting necessary	62	2,44	50	1,97
Standart, no module cutting	72	2,83	60	2,36
Module cutting necessary	82	3,23	70	2,76



Note: Gap between flight and sidewall minimum 2-3 mm
Gap between flight and sidewall maximum 10 mm

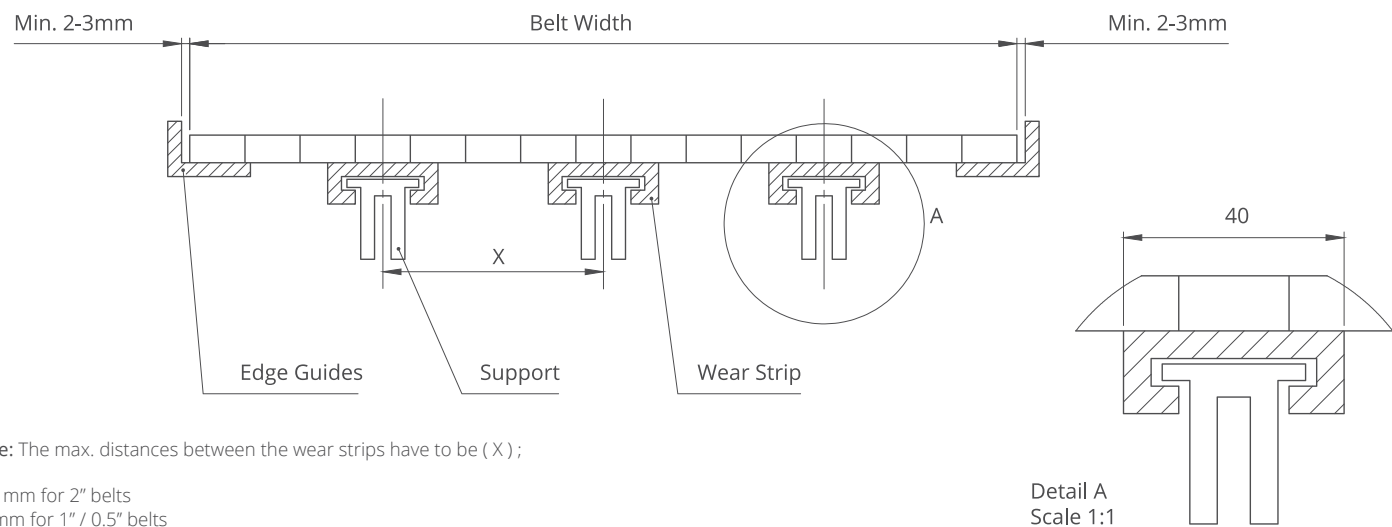
EC508 Series *Engineering Information*



EC508 Series / Conveyor Frame Dimensions

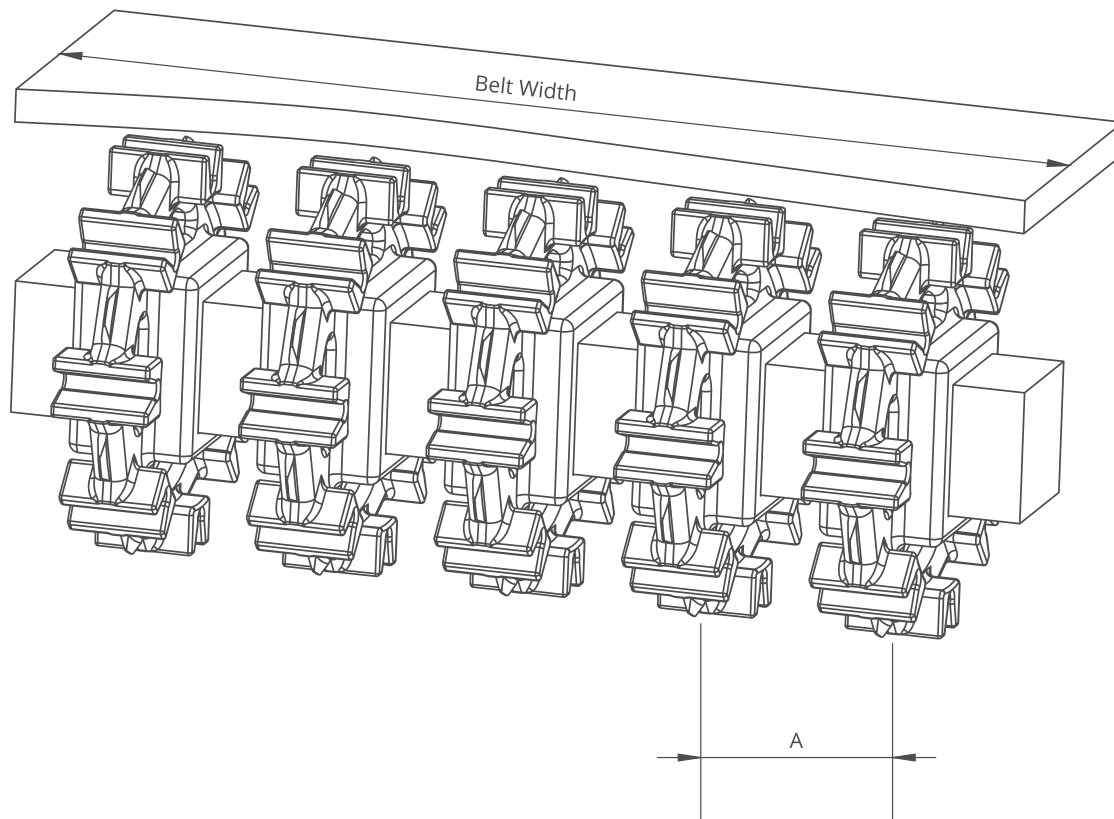
Sprockets Description			A		B		C		E		X	
Pitch Diameter		No.Teeth	Range (Bottom to Top)		In.	mm	In.	mm	In.	mm	In.	mm
In.	mm		In.	mm								
EC508 C, EC508 PR%22, EC508 PR%13, EC508 PR%11, EC508 FG												
3,35	85	6	1,71	43,5	1,91	48,5	2,95	75	2,74	69,5	0,63	16
4,53	115	8	2,29	58,25	2,20	56	3,74	95	3,31	84	0,63	16
5,87	149	10	2,93	74,5	2,56	65	4,72	120	3,94	100	0,63	16
7,24	184	12	3,60	91,5	2,76	70	5,91	150	4,63	117,5	0,63	16
EC508 DT												
3,35	85	6	1,71	43,5	1,91	48,5	2,99	76	2,78	70,5	0,67	17
4,53	115	8	2,29	58,25	2,20	56	3,78	96	3,35	85	0,67	17
5,87	149	10	2,93	74,5	2,56	65	4,76	121	3,98	101	0,67	17
7,24	184	12	3,60	91,5	2,76	70	5,94	151	4,67	118,5	0,67	17

EC508 Series / Slider Support System For Straight Running Belts



Note: The max. distances between the wear strips have to be (X) ;

125 mm for 2" belts
80 mm for 1" / 0.5" belts



EC508 Series / Sprockets Arrangement

Standard Belt Width		Number of sprockets per shaft		A (mm/inch)	
mm	inch	Drive Shaft	Return Shaft	Min.	Max.
200	7,9	2	2	60/2,36	150/5,9
300	11,8	3	2	60/2,36	150/5,9
400	15,7	3	3	60/2,36	150/5,9
500	19,7	4	3	60/2,36	150/5,9
600	23,6	4	3	60/2,36	150/5,9
700	27,6	5	4	60/2,36	150/5,9
800	31,5	6	4	60/2,36	150/5,9
900	35,4	6	5	60/2,36	150/5,9
1000	39,4	7	5	60/2,36	150/5,9
1100	43,3	7	5	60/2,36	150/5,9
1200	47,2	8	6	60/2,36	150/5,9
1400	55,1	9	7	60/2,36	150/5,9
1600	63,0	10	7	60/2,36	150/5,9
1800	70,9	11	8	60/2,36	150/5,9
2000	78,7	12	8	60/2,36	150/5,9
2200	86,6	13	9	60/2,36	150/5,9
2400	94,5	14	10	60/2,36	150/5,9
2600	102,4	15	10	60/2,36	150/5,9
2800	110,2	16	11	60/2,36	150/5,9
3000	118,1	17	12	60/2,36	150/5,9

Note: Number of sprockets depends on the belt load.

HP508

Modular Belt Series

HP508 RR

HP508 C

Sprockets & Accessories

Engineering Information





Bezelye Konservesi

İçindekiler: Bezelye, tuz ve asitlik düzenleyici katkı maddesi.
Net: 830g/30oz

Türk Gıda Kodeksi'ne uygun olarak
Gıda Sanayi A.Ş. tarafından
T.C. İÇİŞİLERİ BAKANLIĞI'na
Mühür edilmiştir.

Bir porsiyon (130g) ürünün ortalama besin değerleri:

Enerji	Şeker	Toplam Yağ	Doymuş Yağ	Tuz
118 kcal	1,1 g	0,8 g	0,0 g	1,3 g
%6	%1	%1	%0	%22

* Değerler 2000 kcal/gün üzerinden hesaplanmıştır.
Daha fazla bilgi için www.migros.com.tr
Bu ürün yaklaşık 3 porsiyondan oluşmaktadır.

Saklama Koşulları: Dombajlı ve sterilize edilmiş ürünlerdir.
Güneşten uzak, serin ve kuru yerde saklanmalıdır.
Kapağı açıldıktan sonra buzdolabında saklanmalıdır.

Tavsiye edilen tüketim tarihi (T.E.T.) ve
parti numarası ambalajın üzerindedir.



Bezelye Konservesi

İçindekiler: Bezelye, tuz ve asitlik düzenleyici katkı maddesi.
Net: 830g/30oz

Türk Gıda Kodeksi'ne uygun olarak
Gıda Sanayi A.Ş. tarafından
T.C. İÇİŞİLERİ BAKANLIĞI'na
Mühür edilmiştir.

Enerji	Şeker	Toplam Yağ	Doymuş Yağ	Tuz
118 kcal	1,1 g	0,8 g	0,0 g	1,3 g
%6	%1	%1	%0	%22

* Değerler 2000 kcal/gün üzerinden hesaplanmıştır.
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Tavsiye edilen tüketim tarihi (T.E.T.) ve
parti numarası ambalajın üzerindedir.



Gıda Sanayi A.Ş. ISO 9001
Kalite ve FSC 22000 Gıda Güvenliği
Yönetim Sistem Belgelerine sahiptir.

Gıda İşletmecisi Adı:

Gıda İşletmecisi Adresi:
Atatürk Mah. Turgut Özal Bulvarı
No: 7 Ataşehir / İSTANBUL

Müşteri Hizmetleri Hattı:
444 10 44

ÜRETİCİ FIRMA ADI:
GIDA SANAYİ A.Ş.

ÜRETİCİ FIRMA ADRESİ:
Venbi Koş. Cad. Tatlıcaklı Kısabası
Mustafakemalpaşa-Bursa

İşletme kayıt no: TR-TB-K-000470



Net Ağırlık:
830g e





HP508 RR

Modular Belt Series

- **Snack Foods Applications**

Cooling Line

- **Fruits and Vegetables Applications**

Palletizing - Epalletizing, Sterilization Conveyance

- **Automotive Applications**

Battery Filling

- **Tire Manufacturing Applications**

Dip Tank

- **Packaging Applications**

Accumulation, Palletizing - Depalletizing

- **Textile Applications**

Dyeing

- **Beverages and Bottling Applications**

Glass Palletizing - Depalletizing, Pasteurizers - Warmers, Accumulation Tables

- **Can Manufacturing Applications**

Accumulation Tables, Palletizing / Depalletizing



MODUTECH

HP508 RR

Pitch:	50.8 mm
Belt Surface:	Open, Raised Rib Surface
Minimum Width:	152.4 mm
Open Area (%):	%36. (Biggest opening 3.5x18.5 mm)
Flight:	No
Sidewall:	No
Rod:	Ø7 mm
Approved:	FDA and EU
Curve:	No
Color:	Additional colors available
Cleanability:	Good
Belt Thickness:	24 mm
Comb:	Yes



Product Features and Functional Benefits

- Less friction and product contact for easy cooking, cooling and freezing of products.
- Reduces back line pressure with up to %70.
- Reduced dirt and oxide build up due to self cleaning surface.
- Finger plate for trouble free transfer.
- Unique sprocket engagement reduces pulsation and increases load capacity.

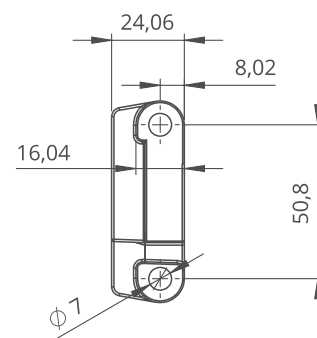
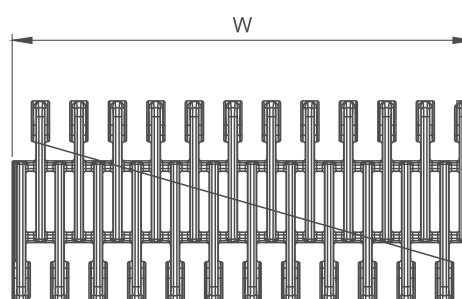
HP508 RR / Technical Information

BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		C (min.)	C (max.)	Kg/m²
	Kg/m	N/m	Kg/m	N/m			
Polypropylene	2352	23520	-	-	+5	+90	8.90
Polyethylene	-	-	-	-	-	-	-
Acetal	4550	45500	-	-	-43	+110	13.50

- Belt strength and temperature values are maximum on the table.

HP508 RR / Standard Belt Widths

BELT SERIES	WIDTH (W)				Belt With Tolerance (max.)
	PP-PE		POM		
	mm	inch	mm	inch	
HP508	152,4	6"	152,4	6"	± 0,5 mm
HP508	228,6	9"	228,6	9"	± 2 mm
HP508	304,8	12"	304,8	12"	± 2 mm
HP508	381	15"	381	15"	± 2 mm
HP508	457,2	18"	457,2	18"	± 3 mm
HP508	533,4	21"	533,4	21"	± 3 mm
HP508	609,6	24"	609,6	24"	± 3 mm
HP508	685,8	27"	685,8	27"	± 3 mm
HP508	762	30"	762	30"	± 4 mm
HP508	838,2	33"	838,2	33"	± 4 mm
HP508	914,4	36"	914,4	36"	± 4 mm
HP508	990,6	39"	990,6	39"	± 5 mm
HP508	1066,8	42"	1066,8	42"	± 5 mm
HP508	1143	45"	1143	45"	± 5 mm



- Standard belt increments 76.2 mm.

- Please contact with customer service for precise belt measurements.



HP508 C

Modular Belt Series

- ***Snack Food Applications***

Potato Processing

- ***Fruits and Vegetables Applications***

Bulk Feeding, Elevator, Control Sorting Table, Filling

- ***Automotive Applications***

Chair Lift - Feeder

- ***Packaging Applications***

Bluk Inclines, Box Transport Horizontal

HP508 C

Pitch:	50.8 mm
Belt Surface:	Close, Smooth Surface
Minimum Width:	152.4 mm
Open Area (%):	%0
Flight:	No
Sidewall:	No
Rod:	Ø7 mm
Approved:	FDA and EU
Curve:	No
Color:	Additional colors available
Cleanability:	Good
Belt Thickness:	16 mm



Product Features and Functional Benefits

- Unique sprocket engagement reduces pulsation and increases load capacity.
- High power, bi-directional belt for long conveyors.
- Unique sprocket engagement - higher product load and longer conveyors.
- Strong and thick product supports allow more load without breaking.
- Impact resistance to withstand heavy objects falling into the belt.
- Close transfer applications.

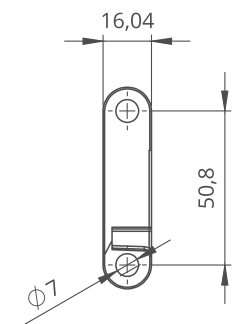
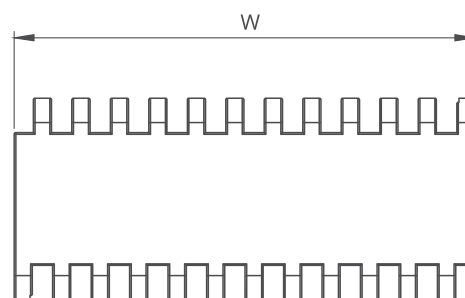
HP508 C / Technical Information

BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		C (min.)	C (max.)	Kg/m ²
	Kg/m	N/m	Kg/m	N/m			
Polypropylene	2697	26970	-	-	+5	+90	7.80
Polyethylene	2408	24080	-	-	-73	+66	8.60
Acetal	4062	40620	-	-	-43	+110	12.20

- Belt strength and temperature values are maximum on the table.

HP508 C / Standard Belt Widths

BELT SERIES	WIDTH (W)				Belt With Tolerance (max.)
	PP-PE		POM		
	mm	inch	mm	inch	
HP508	152,4	6"	152,4	6"	± 0,5 mm
HP508	228,6	9"	228,6	9"	± 2 mm
HP508	304,8	12"	304,8	12"	± 2 mm
HP508	381	15"	381	15"	± 2 mm
HP508	457,2	18"	457,2	18"	± 3 mm
HP508	533,4	21"	533,4	21"	± 3 mm
HP508	609,6	24"	609,6	24"	± 3 mm
HP508	685,8	27"	685,8	27"	± 3 mm
HP508	762	30"	762	30"	± 4 mm
HP508	838,2	33"	838,2	33"	± 4 mm
HP508	914,4	36"	914,4	36"	± 4 mm
HP508	990,6	39"	990,6	39"	± 5 mm
HP508	1066,8	42"	1066,8	42"	± 5 mm
HP508	1143	45"	1143	45"	± 5 mm



- Standard belt increments 76.2 mm.
- Please contact with customer service for precise belt measurements.

HP508 Series *Sprockets and Technical Specifications*



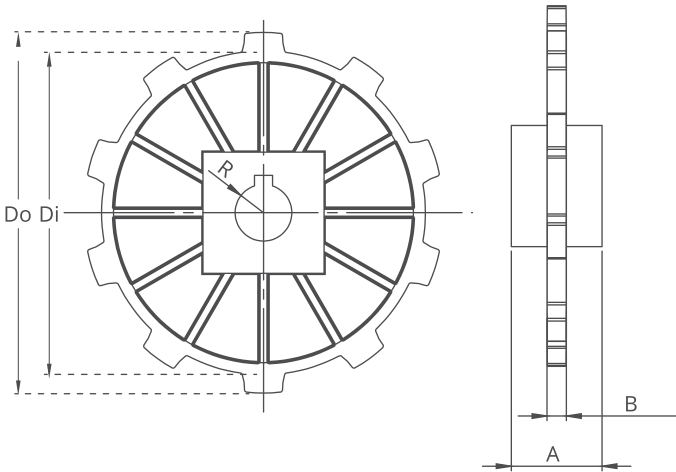
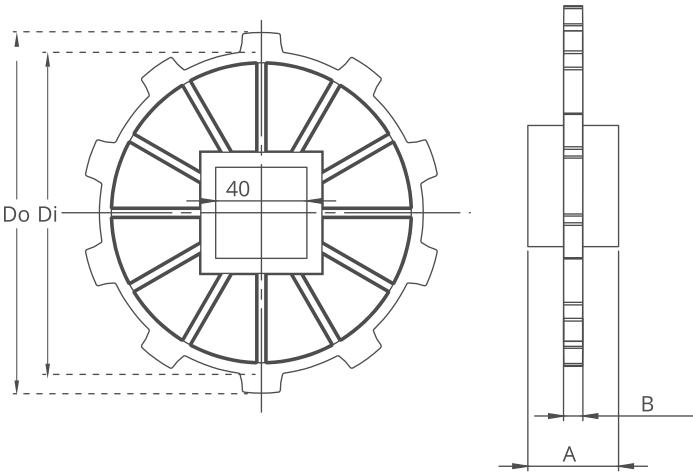
Z6



Z8



Z10



HP508 Series / Standard Sprockets Dimensions

NO.TEETH	Di	Do	B	A	Square Bore (Q)	Round Bore (R)	PRODUCT CODE	
							Square Type (Q)	Round Type (R)
Z6	77.0 mm	94.6 mm	9.0 mm	40.0 mm	40.0 mm	25.0 / 30.0	HP508SQZ6*PA	HP508SRZ6*PA
Z8	109.0 mm	125.0 mm	9.0 mm	40.0 mm	40.0 mm	25.0 / 30.0	HP508SQZ8*PA	HP508SRZ8*PA
Z10	142.0 mm	159.0 mm	9.0 mm	40.0 mm	40.0 mm	25.0 / 30.0	HP508SQZ10*PA	HP508SRZ10*PA
Z12	179.0 mm	197.0 mm	9.0 mm	40.0 mm	40.0 mm	25.0 / 30.0	HP508SQZ12*PA	HP508SRZ12*PA

*Other sprockets and hub sizes are manufactured up to request.
*POM (Acetal) and PP (Polypropylene) sprockets raw material is available on request.



Clamb



Machined Split Sprocket

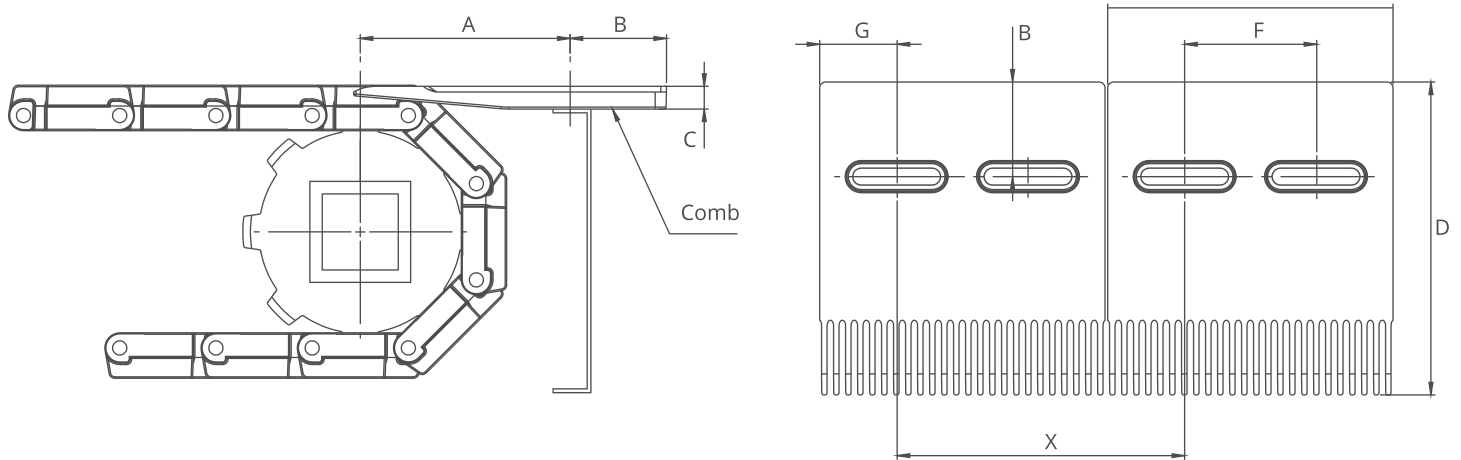


Moulded Sprocket



Machined Sprocket

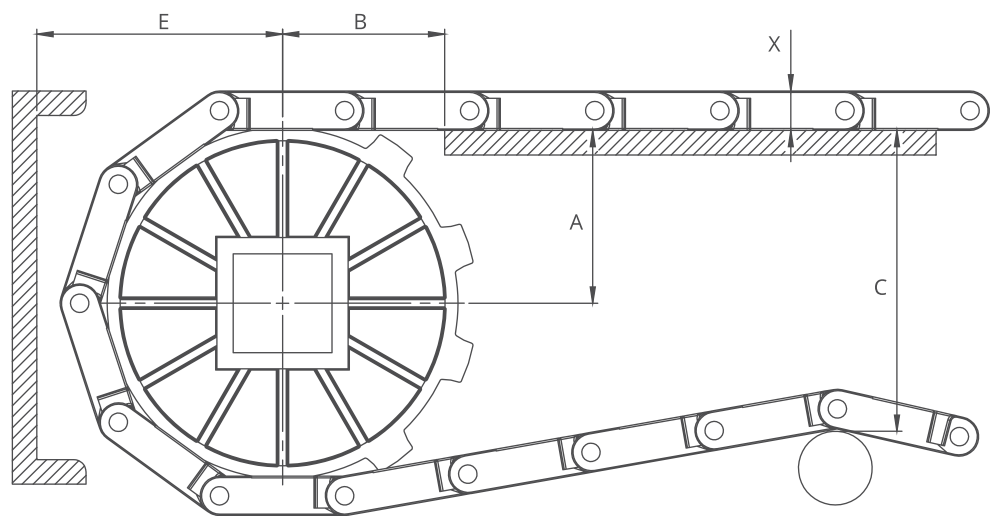
HP508 Series *Accessories and Technical Specifications*



HP508 Series / Comb Technical Specifications

	(inch)	(mm)
A	4,1-4,5	105-115
B	0,98	25
C	0,49	12,5
D	5,75	146
E	5,91	150
F	2,95	75
G	1,48	37,5
X	6,10	155

HP508 Series *Engineering Information*

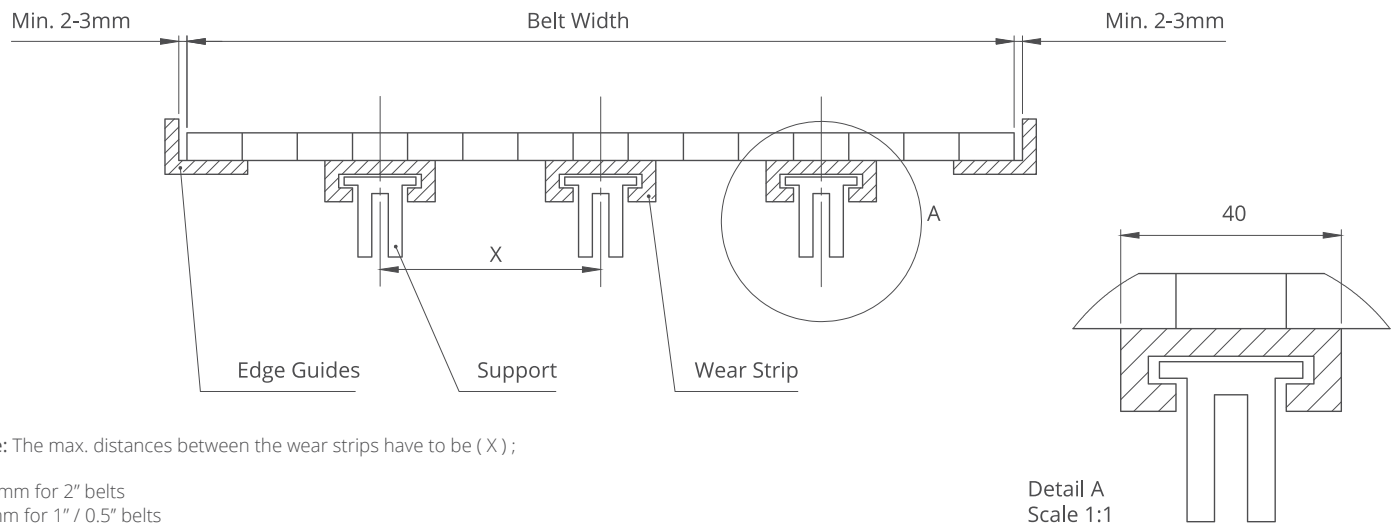


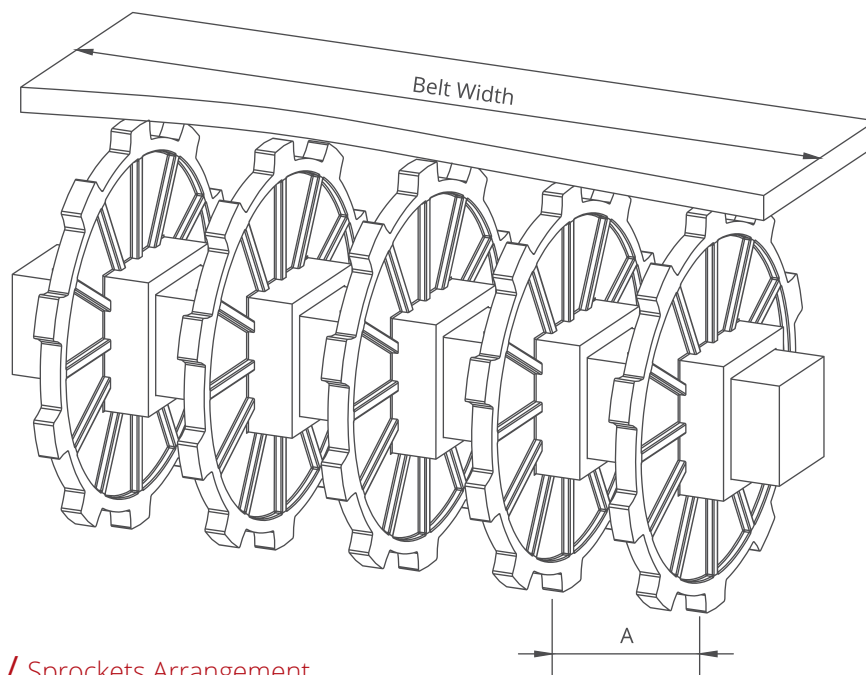
A - ± 0,031" (1mm) C - ± (Max.)
B - ± 0,125" (3mm) E - ± (Min.)

HP508 Series / Conveyor Frame Dimensions

Sprockets Description			A		B		C		E		X	
Pitch Diameter		No.Teeth	Range (Bottom to Top)		In.	mm	In.	mm	In.	mm	In.	mm
In.	mm		In.	mm								
HP508 C												
3,39	86	6	1,69	43	1,97	50	2,68	68	2,72	69	0,63	16
4,57	116	8	2,29	58,25	2,28	58	3,46	88	3,32	84,25	0,63	16
5,98	152	10	2,93	74,5	2,60	66	4,80	122	3,96	100,5	0,63	16
HP508 RR												
3,39	86	6	1,69	43	1,97	50	2,99	76	3,03	77	0,94	24
4,57	116	8	2,29	58,25	2,28	58	3,78	96	3,63	92,25	0,94	24
5,98	152	10	2,93	74,5	2,60	66	5,12	130	4,27	108,5	0,94	24

HP508 Series / Slider Support System For Straight Running Belts





HP508 Series / Sprockets Arrangement

Standard Belt Width		Number of sprockets per shaft		A (mm/inch)	
mm	inch	Drive Shaft	Return Shaft	Min.	Max.
152,4	6	2	2	60/2,36	150/5,9
228,6	9	2	2	60/2,36	150/5,9
304,8	12	3	2	60/2,36	150/5,9
381	15	3	3	60/2,36	150/5,9
457,2	18	3	3	60/2,36	150/5,9
533,4	21	4	3	60/2,36	150/5,9
609,6	24	4	3	60/2,36	150/5,9
685,8	27	5	3	60/2,36	150/5,9
762	30	5	4	60/2,36	150/5,9
838,2	33	6	4	60/2,36	150/5,9
914,4	36	6	4	60/2,36	150/5,9
990,6	39	6	4	60/2,36	150/5,9
1066,8	42	7	5	60/2,36	150/5,9
1143	45	7	5	60/2,36	150/5,9
1219,2	48	8	6	60/2,36	150/5,9
1295,4	51	8	6	60/2,36	150/5,9
1371,6	54	9	6	60/2,36	150/5,9
1447,8	57	9	7	60/2,36	150/5,9
1524	60	9	7	60/2,36	150/5,9
1600,2	63	10	7	60/2,36	150/5,9
1676,4	66	10	8	60/2,36	150/5,9
1752,6	69	11	8	60/2,36	150/5,9
1828,8	72	12	9	60/2,36	150/5,9
1905	75	12	9	60/2,36	150/5,9
1981,2	78	12	9	60/2,36	150/5,9
2057,4	81	13	10	60/2,36	150/5,9
2133,6	84	14	10	60/2,36	150/5,9
2209,8	87	14	10	60/2,36	150/5,9
2286	90	15	11	60/2,36	150/5,9
2514,6	99	15	11	60/2,36	150/5,9
2743,2	108	16	12	60/2,36	150/5,9
2971,8	117	17	13	60/2,36	150/5,9
3200,4	126	18	14	60/2,36	150/5,9
3429	135	19	15	60/2,36	150/5,9
3657,6	144	20	16	60/2,36	150/5,9
3810	150	21	17	60/2,36	150/5,9

Note: Number of sprockets depends on the belt load.

Radius Belts

Modular Belt Series

EC254 R

EC254T R

Sprockets & Accessories

Engineering Information

Radius Belt Calculation







EC254 R

Modular Radius Belt Series

- **Meat Applications**

Spiral Freezer

- **Poultry Applications**

Spiral Freezer

- **Seafood Applications**

Freezing Lines, Spiral

- **Bakery Applications**

Spiral, Proofing, Cooling, Freezing Lines, Pan Handling

- **Fruits and Vegetables Applications**

Container Conveyence

- **Automotive Applications**

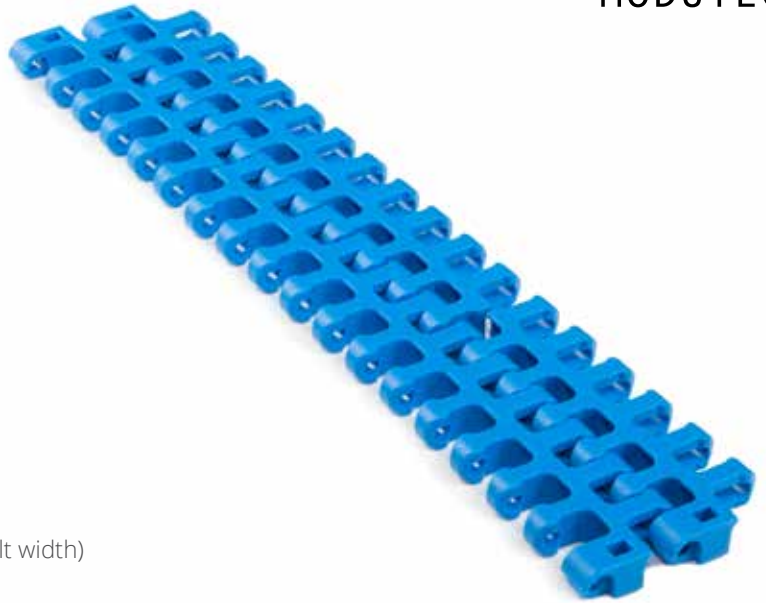
Car Part Manufacturing, Battery Filling

- **Packaging Applications**

Tray Packers, Box Transport Horizontal

EC254 R

Pitch :	25.4 mm
Belt Surface :	Open, Smooth Surface
Minimum Width :	165 mm
Open Area (%) :	%36. (Biggest opening 7.5x12 mm)
Flight :	Yes. (h=25 mm, h=50 mm)
Side Wall :	No
Rod :	Ø4.9 mm
Approved :	FDA and EU
Curve :	Yes
Color :	Additional colors available
Cleanability :	Excellent
Application :	Straight and side flexing
Collapse Factor :	2.1 - 2.4 (Changeable according to belt width)
Belt Thickness:	10,8 mm



Product Features and Functional Benefits

- Available for light and medium load capacity.
- 180 degree high speed side flexing applications.
- High temperature and wear resistance.
- Unique locking system.
- Belt provides optimal open area for drainage and airflow.

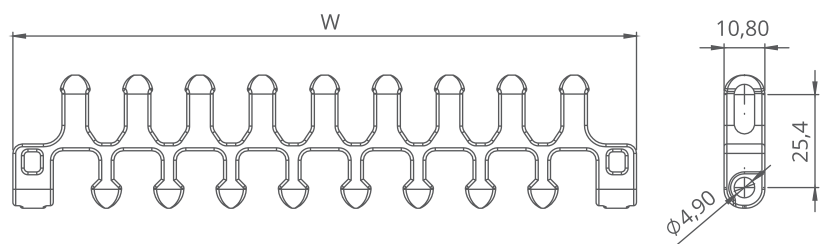
EC254 R / Technical Information

BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		C (min.)	C (max.)	Kg/m ²
	Kg/m	N/m	Kg/m	N/m			
Polypropylene	900	9000	120	1200	+5	+90	5.10
Polyethylene	-	-	-	-	-	-	-
Acetal	1625	16250	160	1600	-43	+110	13.50

- Belt strength and temperature values are maximum on the table.

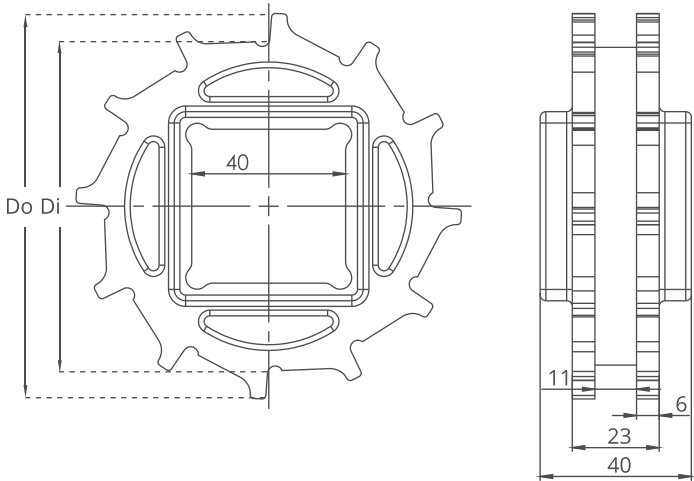
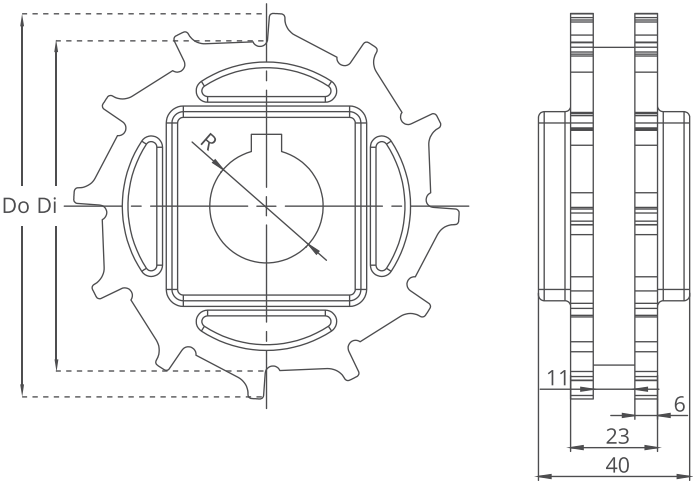
EC254 R / Standard Belt Widths

BELT SERIES	WIDTH (W)				Belt With Tolerance (max.)
	PP-PE		POM		
	mm	inch	mm	inch	
EC254 R	150	6"	150	6"	± 0,5 mm
EC254 R	200	8"	200	8"	± 2 mm
EC254 R	250	10"	250	10"	± 2 mm
EC254 R	300	12"	300	12"	± 3 mm
EC254 R	350	14"	350	14"	± 3 mm
EC254 R	400	16"	400	16"	± 3 mm
EC254 R	450	18"	450	18"	± 3 mm
EC254 R	500	20"	500	20"	± 4 mm
EC254 R	550	22"	550	22"	± 4 mm
EC254 R	600	24"	600	24"	± 4 mm
EC254 R	650	26"	650	26"	± 4 mm
EC254 R	700	28"	700	28"	± 4 mm
EC254 R	750	30"	750	30"	± 4 mm
EC254 R	800	32"	800	32"	± 4 mm



- Standard belt increments 16 mm.
- Please contact with customer service for precise belt measurements.
- For bigger sizes, please contact with customer service.

EC254 R Series *Sprockets and Technical Specifications*



EC254 R Series / Standard Sprockets Dimensions

NO.TEETH	Di	Do	B	A	Square Bore (Q)	Round Bore (R)	PRODUCT CODE	
							Square Type (Q)	Round Type (R)
Z8	53	67,75	6.0	40.0 mm	25.0 mm	25.0 / 30.0	MD-TR254SQ25Z8*PA	MD-TR254SRZ8*PA
Z10	70	85	6.0	40.0 mm	40.0 mm	25.0 / 30.0	MD-TR254SQZ10*PA	MD-TR254SRZ10*PA
Z12	87	102	6.0	40.0 mm	40.0 mm	25.0 / 30.0	MD-TR254SQZ12*PA	MD-TR254SRZ12*PA
Z15	112	126,5	6.0	40.0 mm	40.0 mm	25.0 / 30.0	MD-TR254SQZ15*PA	MD-TR254SRZ15*PA
Z18	137	152	6.0	40.0 mm	40.0 mm	25.0 / 30.0	MD-TR254SQZ18*PA	MD-TR254SRZ18*PA

*Other sprockets and hub sizes are manufactured up to request.
*POM (Acetal) and PP (Polypropylene) sprockets raw material is available on request.



Clamb



Machined Split Sprocket

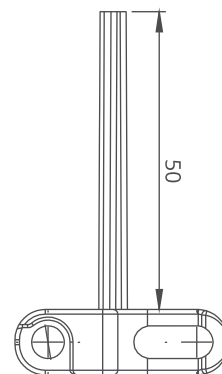
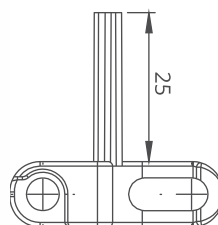


Moulded Sprocket

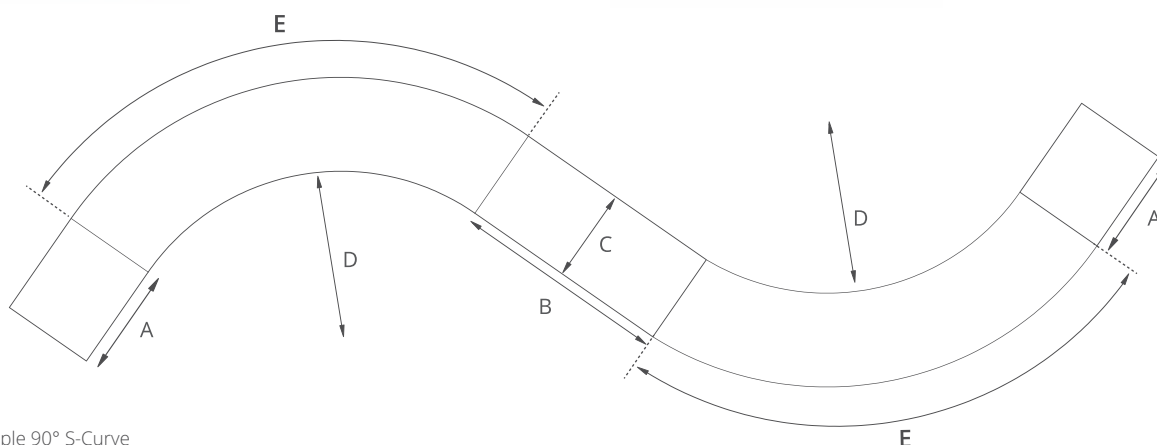
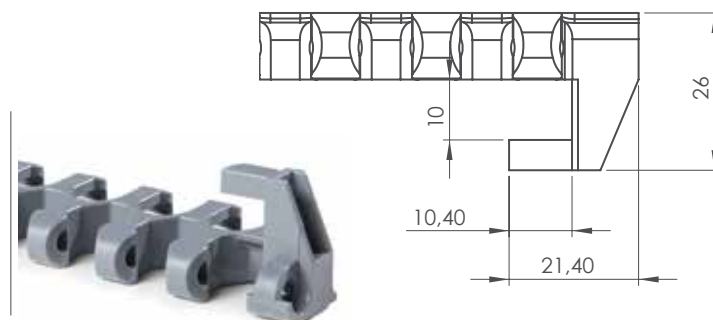
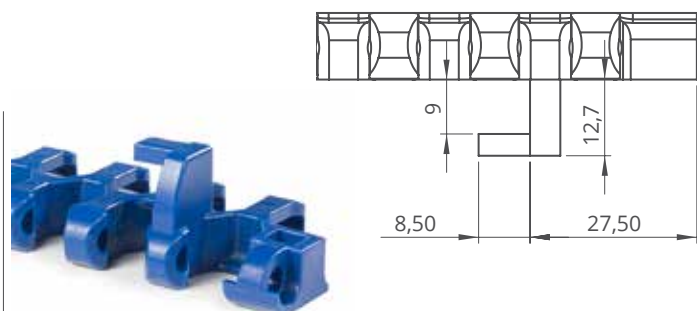


Machined Sprocket

EC254 R Series *Accessories and Technical Specifications*



EC254 R Series / TAB - Technical Specification



Radius Belt Example 90° S-Curve

EC254 R Series / Radius Belt Calculation

- A: Straight run pull and n = Belt width
- B: Straight run between 2 curves = min. 2 x belt width
- C: Belt width
- D: Minimum inner radius
- E: Curve length

$$\text{Collapse Factor} = \frac{\text{Min. inner radius}}{\text{Belt width}}$$

$$\text{Minimum inner radius} = \text{Collapse Factor} \times \text{Belt width}$$

CALCULATION EXAMPLE

Belt width: 394 mm 90° Radius Belt
Collapse Factor: 2.1

$$D: 394 \times 2.1 = 827 \text{ mm}$$

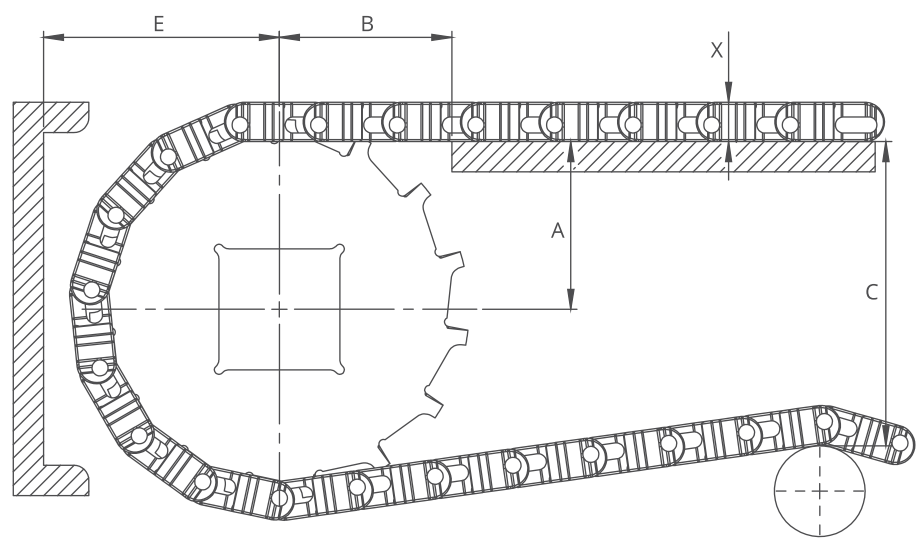
$$A: 394 \text{ (Min.)}$$

$$B: 2 \times 394 = 788 \text{ mm (Min.)}$$

$$E: \frac{2 \times (C+D) \times 3.14}{4} = 1916 \text{ mm}$$

$$\text{Total length} = (2 \times A) + B + (2 \times E)$$

EC254 R Series *Engineering Information*

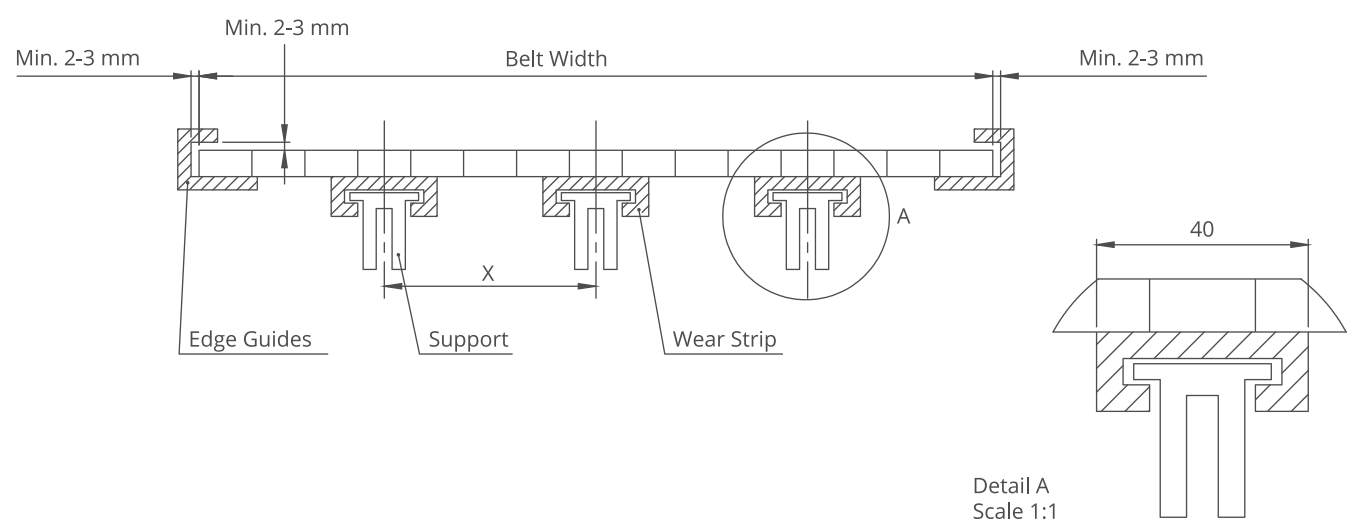


A - ± 0,031" (1mm) C - ± (Max.)
B - ± 0,125" (3mm) E - ± (Min.)

EC254 R Series / Conveyor Frame Dimensions

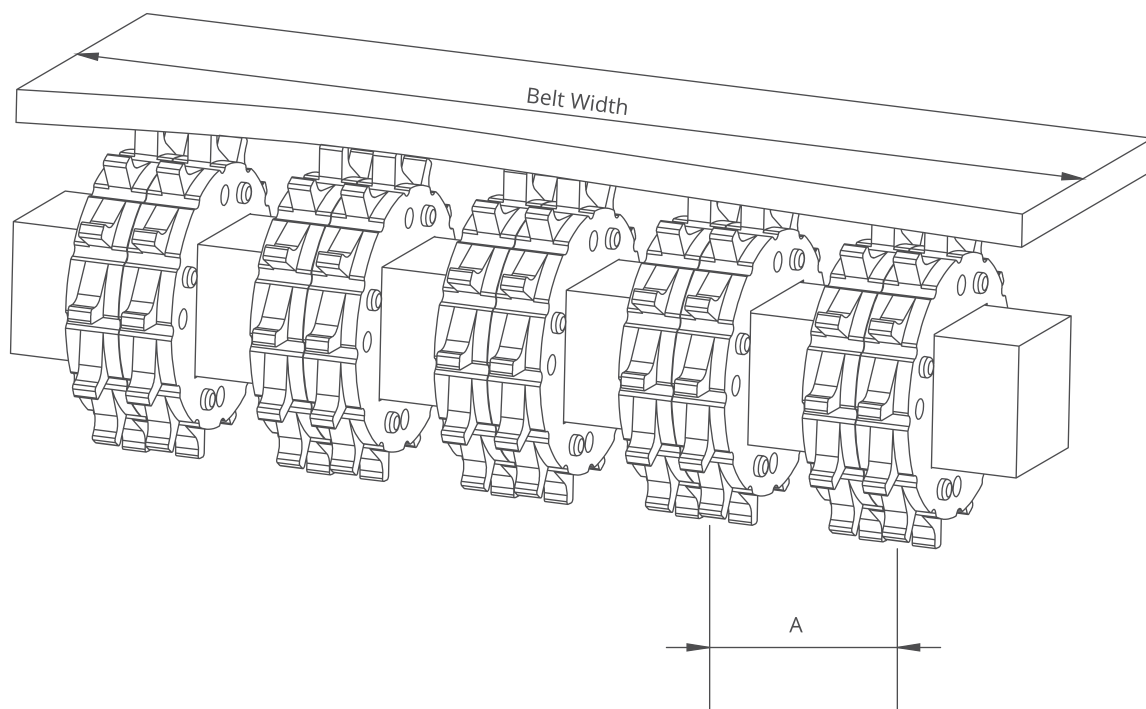
Sprockets Description			A		B		C		E		X	
Pitch Diameter		No.Teeth	Range (Bottom to Top)		In.	mm	In.	mm	In.	mm	In.	mm
In.	mm		In.	mm								
EC254 R												
2,87	73	10	1,43	36,25	1,85	47	1,81	46	1,85	47	0,43	10,8
3,82	97	12	1,77	45	2,03	51,5	2,80	71	2,48	63	0,43	10,8
4,72	120	15	2,22	56,5	2,24	57	5,16	131	3,76	95,5	0,43	10,8

EC254 R Series / Slider Support System For Straight Running Belts



Note: The max. distances between the wear strips have to be (X) ;

125 mm for 2" belts
80 mm for 1" / 0.5" belts



EC254 R Series / Sprockets Arrangement

Standard Belt Width		Number of sprockets per shaft		A (mm/inch)	
mm	inch	Drive Shaft	Return Shaft	Min.	Max.
150	6	2	2	50/2	120/4,7
200	8	2	2	50/2	120/4,7
250	10	3	2	50/2	120/4,7
300	12	3	2	50/2	120/4,7
350	14	3	3	50/2	120/4,7
400	16	4	3	50/2	120/4,7
450	18	4	3	50/2	120/4,7
500	20	5	4	50/2	120/4,7
550	22	5	4	50/2	120/4,7
600	24	6	5	50/2	120/4,7
700	26	7	5	50/2	120/4,7
800	28	8	6	50/2	120/4,7
900	30	9	7	50/2	120/4,7
1000	32	10	7	50/2	120/4,7

Note: Number of sprockets depends on the belt load.



EC254T R

Modular Radius Belt Series

- **Meat Applications**

Spiral Freezer

- **Poultry Applications**

Spiral Freezer

- **Seafood Applications**

Freezing Lines, Spiral

- **Bakery Applications**

Spiral, Proofing, Cooling, Freezing Lines, Pan Handling

- **Fruits and Vegetables Applications**

Container Conveyance

- **Automotive Applications**

Car Part Manufacturing, Battery Filling

- **Packaging Applications**

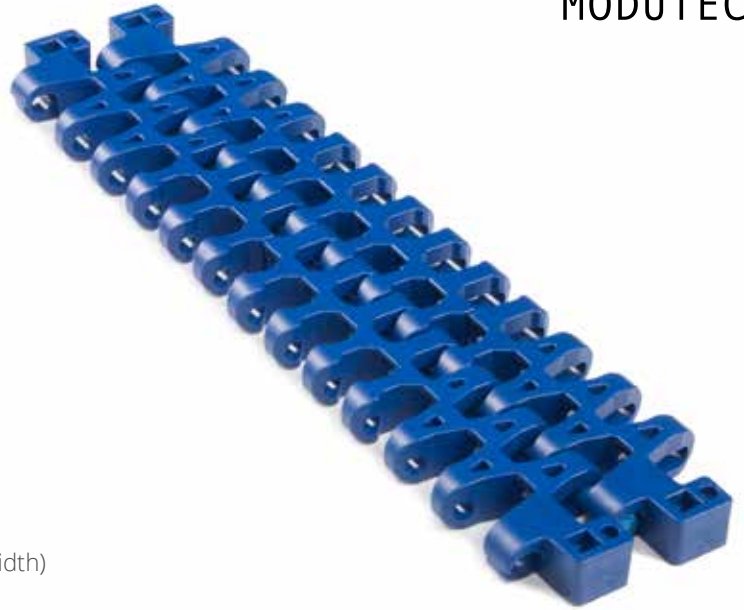
Tray Packers, Box Transport Horizontal

- **Postal Applications**

Parcel Handling

EC254T R (Tight Radius)

Pitch :	26 mm
Belt Surface :	Smooth Surface
Minimum Width :	167 mm
Open Area (%) :	%38. (Biggest opening 6,5x12 mm)
Flight :	No
Side Wall :	No
Rod :	Ø4.9 mm
Approved :	FDA and EU
Curve :	Yes
Color :	Additional colors available
Cleanability :	Excellent
Application :	Straight and side flexing
Collapse Factor :	1.4 - 1.6 (Changeable according to belt width)
Belt Thickness:	13 mm



Product Features and Functional Benefits

- Belt designed for tight radius applications.
- Available for light and medium load capacity.
- 180 degree high speed side flexing applications.
- High temperature and wear resistance. Unique locking system.
- Belt provides optimal open area for drainage and airflow.

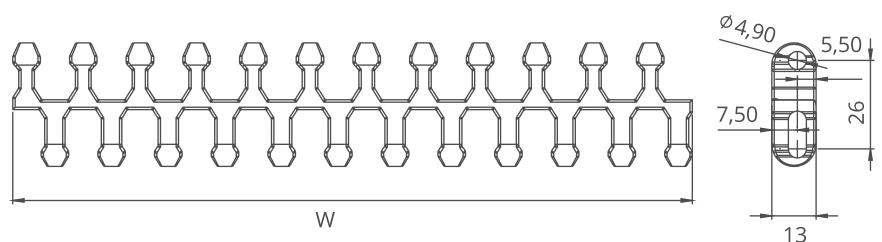
EC254T R / Technical Information

BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		C (min.)	C (max.)	
	Kg/m	N/m	Kg/m	N/m			
Polypropylene	900	9000	120	1200	+5	+90	5.60
Polyethylene	-	-	-	-	-	-	-
Acetal	1625	16250	160	1600	-43	+110	7.40

- Belt strength and temperature values are maximum on the table.

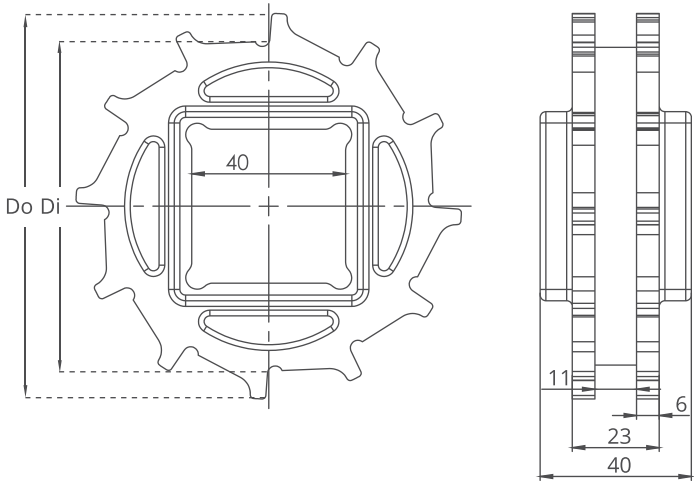
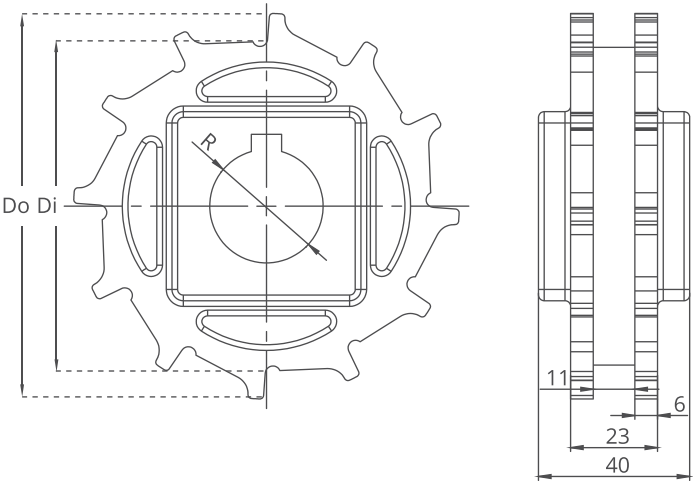
EC254T R / Standard Belt Widths

BELT SERIES	WIDTH (W)				Belt With Tolerance (max.)
	PP-PE		POM		
	mm	inch	mm	inch	
EC254T R	167	6"	167	6"	± 0,5 mm
EC254T R	200	8"	200	8"	± 2 mm
EC254T R	250	10"	250	10"	± 2 mm
EC254T R	300	12"	300	12"	± 3 mm
EC254T R	350	14"	350	14"	± 3 mm
EC254T R	400	16"	400	16"	± 3 mm
EC254T R	450	18"	450	18"	± 3 mm
EC254T R	500	20"	500	20"	± 4 mm
EC254T R	550	22"	550	22"	± 4 mm
EC254T R	600	24"	600	24"	± 4 mm
EC254T R	650	26"	650	26"	± 4 mm
EC254T R	700	28"	700	28"	± 4 mm
EC254T R	750	30"	750	30"	± 4 mm
EC254T R	800	32"	800	32"	± 4 mm



- Standard belt increments 16,6 mm.
- Please contact with customer service for precise belt measurements.
- For bigger sizes, please contact with customer service.

EC254T R Series *Sprockets and Technical Specifications*



EC254T R Series / Standard Sprockets Dimensions

NO.TEETH	Di	Do	B	A	Square Bore (Q)	Round Bore (R)	PRODUCT CODE	
							Square Type (Q)	Round Type (R)
Z8	53	67,75	6.0	40.0 mm	25.0 mm	25.0 / 30.0	MD-TR254SQ25Z8*PA	MD-TR254SRZ8*PA
Z10	70	85	6.0	40.0 mm	40.0 mm	25.0 / 30.0	MD-TR254SQZ10*PA	MD-TR254SRZ10*PA
Z12	87	102	6.0	40.0 mm	40.0 mm	25.0 / 30.0	MD-TR254SQZ12*PA	MD-TR254SRZ12*PA
Z15	112	126,5	6.0	40.0 mm	40.0 mm	25.0 / 30.0	MD-TR254SQZ15*PA	MD-TR254SRZ15*PA
Z18	137	152	6.0	40.0 mm	40.0 mm	25.0 / 30.0	MD-TR254SQZ18*PA	MD-TR254SRZ18*PA

*Other sprockets and hub sizes are manufactured up to request.
*POM (Acetal) and PP (Polypropylene) sprockets raw material is available on request.



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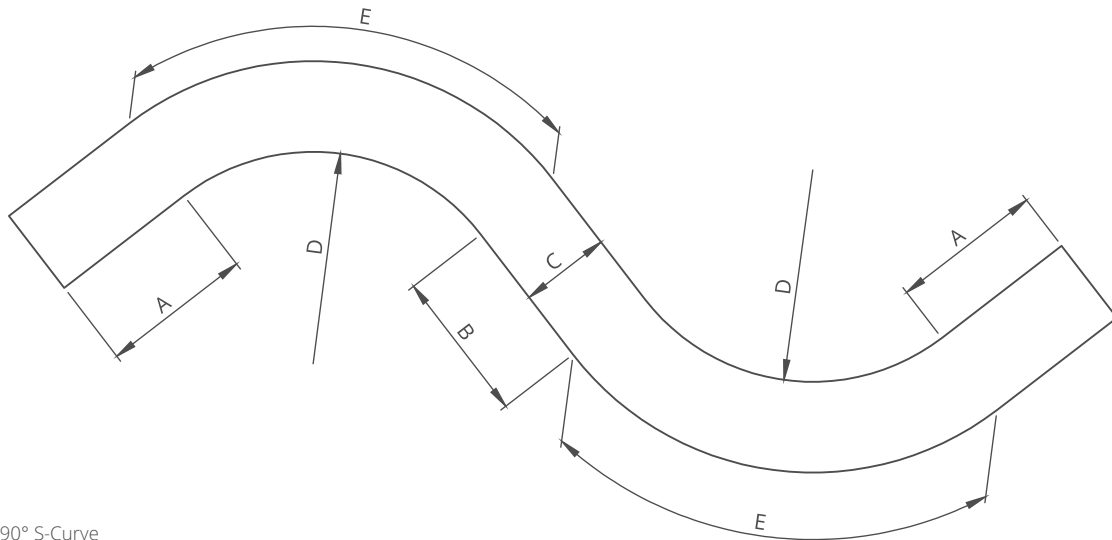
Machined Split Sprocket



Moulded Sprocket



Machined Sprocket



Radius Belt Example 90° S-Curve

EC254T R Series / Radius Belt Calculation

- A: Straight run pull and n = Belt width
- B: Straight run between 2 curves = min. 2 x belt width
- C: Belt width
- D: Minimum inner radius
- E: Curve length

$$\text{Collapse Factor} = \frac{\text{Min. inner radius}}{\text{Belt width}}$$

$$\text{Minimum inner radius} = \text{Collapse Factor} \times \text{Belt width}$$

CALCULATION EXAMPLE

Belt width: 500 mm Radius Belt
Collapse Factor: 1.55

$$D: 500 \text{ mm} \times 1.55 = 775 \text{ mm}$$

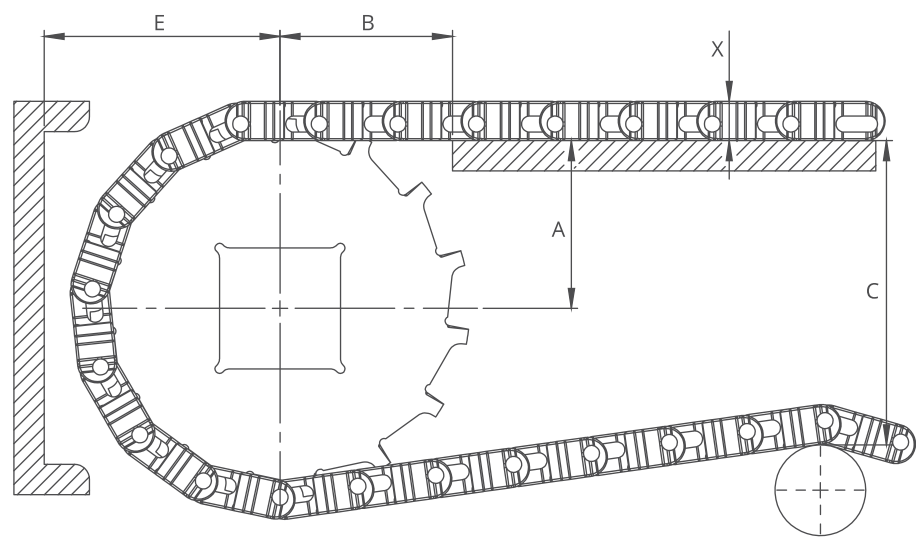
$$A: 500 \text{ mm}$$

$$B: 2 \times 500 \text{ mm} = 1000 \text{ mm (min.)}$$

$$E: \frac{2 \times (C+D) \times 3.14}{4} = 2016 \text{ mm}$$

$$\text{Total length} = (2 \times A) + B + (2 \times E)$$

EC254T R Series *Engineering Information*

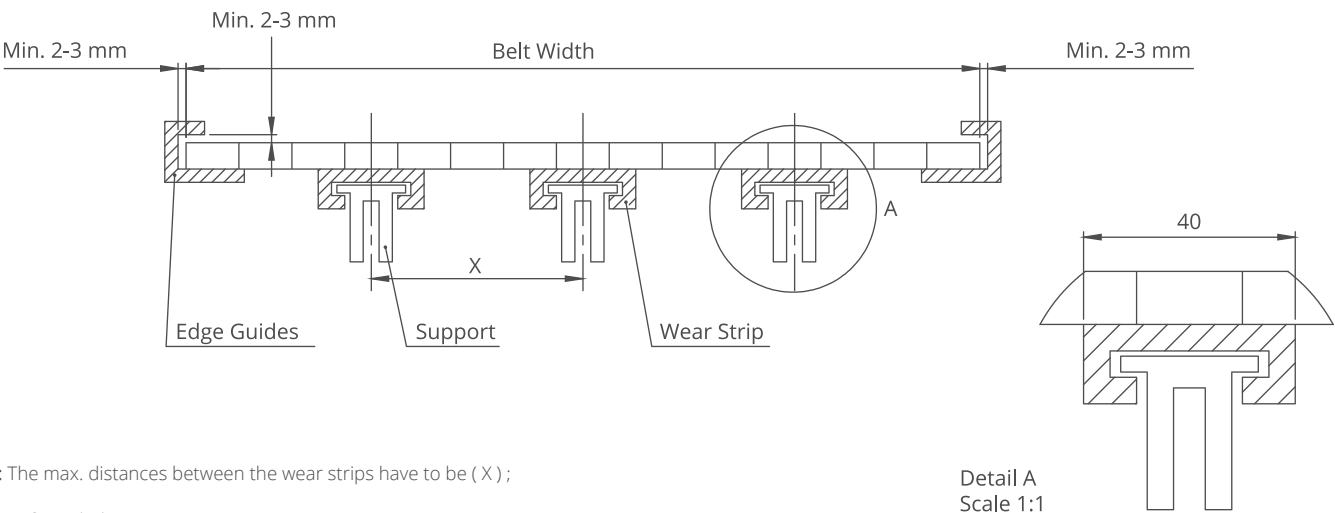


A - ± 0,031" (1mm) C - ± (Max.)
B - ± 0,125" (3mm) E - ± (Min.)

EC254T R Series / Conveyor Frame Dimensions

Sprockets Description			A		B		C		E		X	
Pitch Diameter		No.Teeth	Range (Bottom to Top)		In.	mm	In.	mm	In.	mm	In.	mm
In.	mm		In.	mm								
EC254T R												
2,44	2,44	8	1,14	29	1,61	41	1,97	50	2,05	52	0,51	13
2,87	2,87	10	1,43	36,25	1,85	47	2,54	64,5	2,33	59,25	0,51	13
3,82	3,82	12	1,77	45	2,03	51,5	3,39	86	2,68	68	0,51	13
4,72	4,72	15	2,22	56,5	2,24	57	3,94	100	3,13	79,5	0,51	13
5,79	5,79	18	2,70	68,5	2,36	60	5,04	128	3,60	91,5	0,51	13

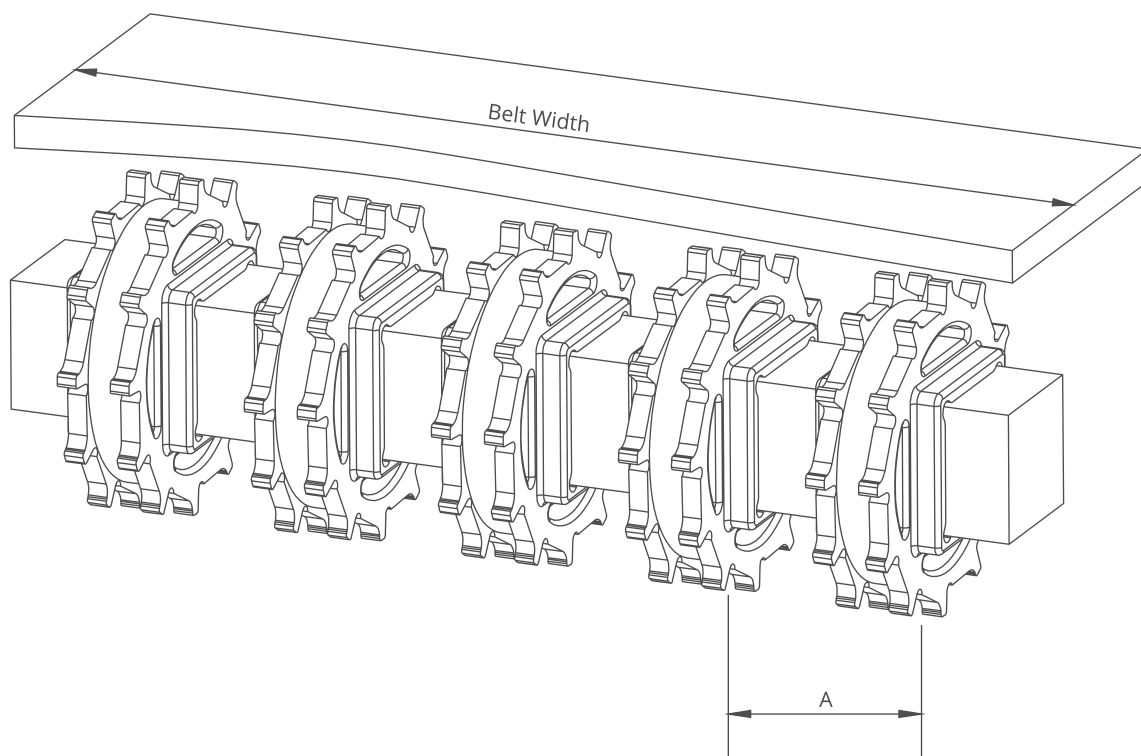
EC254T R Series / Slider Support System For Straight Running Belts



Note: The max. distances between the wear strips have to be (X) ;

125 mm for 2" belts
80 mm for 1" / 0.5" belts

Detail A
Scale 1:1



EC254T R Series / Sprockets Arrangement

Standard Belt Width		Number of sprockets per shaft		A (mm/inch)	
mm	inch	Drive Shaft	Return Shaft	Min.	Max.
150	6	2	2	50/2	120/4,7
200	8	2	2	50/2	120/4,7
250	10	3	2	50/2	120/4,7
300	12	3	2	50/2	120/4,7
350	14	3	3	50/2	120/4,7
400	16	4	3	50/2	120/4,7
450	18	4	3	50/2	120/4,7
500	20	5	4	50/2	120/4,7
550	22	5	4	50/2	120/4,7
600	24	6	5	50/2	120/4,7
700	26	7	5	50/2	120/4,7
800	28	8	6	50/2	120/4,7
900	30	9	7	50/2	120/4,7
1000	32	10	7	50/2	120/4,7

Note: Number of sprockets depends on the belt load.

Engineering Information

All Products

BELT CODE	Bakery	Meat	Poultry	Seafood	Fruit & Vegetables	Snackfood	Beverages & Bottling	Can Manufacturing	Tire Manufacturing	Automotive	Corrugated Cardboard	Packaging	Printing & Paper	Material Handling	Textile	Postal
EC127 C	*	*	*	*	*	*	*	*	*		*	*	*	*		
EC127 FG	*		*	*	*		*	*				*				
HP254 C	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
HP254 PR%23	*	*	*	*	*	*	*	*				*		*		
HP254 GT			*	*	*	*		*				*		*	*	*
HP254 RR							*	*				*				
EC254 C	*	*	*	*	*	*										
EC254 PR%16	*		*	*	*	*										
MD254 C	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
MD254 FG	*		*	*	*	*						*			*	
EC254 R	*	*	*	*	*	*	*	*		*		*		*	*	
EC254T R (Tight Radius)	*	*	*	*	*	*	*	*		*		*		*	*	
EC381 C		*	*	*	*	*			*			*	*			
EC381 PR%22		*	*	*	*	*										
EC381 FG	*		*	*	*	*						*			*	
EC381 NT		*	*		*											
EC381 R	*	*	*	*	*	*	*	*		*		*		*		*
EC508 C		*	*	*	*	*	*	*		*		*		*		
EC508 PR%22		*	*	*	*	*	*	*		*		*				
EC508 PR%11		*	*	*	*	*	*	*		*		*				
EC508 PR%13				*	*											
EC508 FG		*		*	*	*			*							
EC508 DT		*			*	*										
HP508 C					*		*		*	*				*		
HP508 RR					*		*		*			*			*	

BELT RAW MATERIAL / PINS RAW MATERIAL COMBINATION			
Applications		Belt Modules	Rods Pins
Standart	General Use Dry General Use Wet Chemical Resistance Low Temperature Low Temperature High Load Dry	PP PP PP PE POM POM	PP - POM or PA POM or PP PP PE - POM PE - POM PA
High Temperature	High Load Dry Wet 55 to 108 °C Temperature up to 180 °C	POM PPH (special) PA	PA PPH (Special) / Steel PA / Steel
Abrasive Conditions	Dry Wet up to 55 °C	POM PP	PA POM

STANDARD BELT MATERIALS WITH MODUTECH CODE				
Material	Description	Code	Food Approved	Temperature
Polypropylene	- Standard material for the most common conveying applications . - Excellent chemical resistance.	PP	FDA - EU	+5 to +80 °C
Polyethylene	- Excellent chemical resistance . - Well suited for very low temperature with good impact resistance . - Not suitable for abrasive conditions.	PE	FDA - EU	-70 to +60 °C
Polyacetal	- Good strength and low coefficient of friction . - Not suitable for chemical environment. - Suitable for heavy duty applications.	POM	FDA - EU	Dry Conditions -38 to +90 °C Wet Conditions -35 to +60 °C

STANDARD BELT RAW MATERIALS WITH MODUTECH CODE				
Material	Description	Code	Food Approved	Temperature
Polyamide6	- High strength and abrasion resistance. - Suitable for heavy duty applications. - Not suitable for wet conditions.	PA6	FDA - EU	Dry Conditions -35 to +120 °C Wet Conditions Not Recommended
Polyamide6.6	- Better strength and abrasion resistance. - Suitable for heavy duty applications. - Not suitable for wet conditions.	PA6.6	FDA - EU	Dry Conditions -35 to +120 °C Wet Conditions Not Recommended
Antistatic Polyacetal	- Reduced electrical surface to reduce belt charge up and dust accumulation. - Suitable for heavy duty applications and low temperature.	POM	-	Dry Conditions -35 to +80 °C Wet Conditions Not Recommended
Detectable Polyacetal	- Polyacetal with a special additive, which makes the material very well detectable for X-ray and metal detectors.	POM	FDA - EU	Dry Conditions -38 to +90 °C
Detectable Polypropylene	- Polypropylene with a special additive, which makes the material very well detectable for X-ray and metal detectors.	PP	FDA - EU	+5 to +90 °C
Hot Water Resistant Polypropylene	- Polypropylene with a special additive to improved temperature resistance. - Suitable for wet conditions.	PPH	FDA - EU	+5 to +108 °C
Low Friction Acetal	- Better strength and low coefficient of friction. - Not suitable for chemical environment. - Suitable for heavy duty applications.	POM LF	FDA - EU	+5 to +108 °C
High Performance Acetal (PBT)	- Extra wear resistance, strength and low coefficient of friction. - Not suitable for chemical environment. - Suitable for heavy duty applications.	POM HP	FDA - EU	-35 to +90 °C
Extra High Temperature (EHT)	- Excellent heat resistance. - Suitable for light-medium duty applications at elevated temperatures.	PA EHT	FDA - EU	Dry Conditions +4 to +210 °C Wet Conditions No Request



MODUTECH®

- DECLARATION OF COMPLIANCE -

Modutech Konveyör Bant Sistemleri San. ve Tic. A.Ş., Kemalpaşa OSB Mah. No: 228
Kuyucak Yolu Kumeevleri / İzmir, Turkey, here by declares under its exclusive
responsibility that the Modular Belt (PP)
Conforms with the Food Regulation:

FDA

according to the CFR code
code of Federal Regulations

Title 21 § 177.520

Granules and additives used to manufacture the modular belts are selected exclusively
among those listed by FDA standard
Specifications 3.1 olefin copolymers for use in articles that contact food except
for articles used for packing and holding food during cooking.
This attest was issued on the basis of the accredited NSF laboratory test with:

Project no: 9896049,

Date of Report: January 9th, 2015



Modutech Konveyör Bant
Sistemleri San. ve Tic. A.Ş.
Ankara Asfaltı 25.km Kızılköy Mevki
Kuyucak Kemalpaşa / İzmir - TURKEY
Phone : +90 232 877 00 22 (pbx)
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Mail: info@modutech.com.tr
www.modutech.com.tr

İbrahim BAYIR
Modutech Quality Manager



MODUTECH®

- DECLARATION OF COMPLIANCE -

Modutech Konveyör Bant Sistemleri San. ve Tic. A.Ş., Kemalpaşa OSB Mah. No: 228
Kuyucak Yolu Kumeevleri / İzmir, Turkey, here by declares under its exclusive responsibility that the
MODULAR BELT POLYPROPYLENE PLASTIC (PP) RAW MATERIAL

Conforms with the Food Regulations with reference to
COMMISSION REGULATION EU NO 10/2011 of 14 January 2011 and amendments

**The belt is suitable to come into contact with any aqueous, acid, oily and fatty food listed in the Regulation
EU 10/2011 and amendments.**

As prescribed by Commission Regulation EU 10/2011 – Annex III and Annex V, MODUTECH declares that:

All materials used to produce this belt comply with the applicable law.

The overall migration of the authorised substances, measured using the prescribed extracting substances
(simulants) is lower than the maximum limit allowed:

Overall migration with simulant A – ethanol 10%	< 10 mg / dm ²
Overall migration with simulant B – acetic acid 3%	< 10 mg / dm ²
Overall migration with simulant – ethanol 95%	< 10 mg / dm ²
Overall migration with simulant – isooctane	< 10 mg / dm ²
Overall migration with simulant E – MPPQ (tenax)	< 10 mg / dm ²

Tests have been carried out for a period of 2 hours at 70°C.

The limit of detection is 3 mg / dm².

The soluble heavy metals in aqueous test is lower than the maximum limit allowed :

Specific migration of Barium	< 1,00 mg / kg
Specific migration of Cobalt	< 0,05 mg / kg
Specific migration of Copper	< 5,00 mg / kg
Specific migration of Iron	< 48,00 mg / kg
Specific migration of Lithium	< 0,60 mg / kg
Specific migration of Manganese	< 0,60 mg / kg
Specific migration of Zinc	< 25,00 mg / kg

The information herein contained represents an extract from an analysis certification issued by a
Accredited IAS laboratory test with: Report no TR1130211 Dated 07.06.2017



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Our Declaration of Compliance

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of modular belts with FDA - EU
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