

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

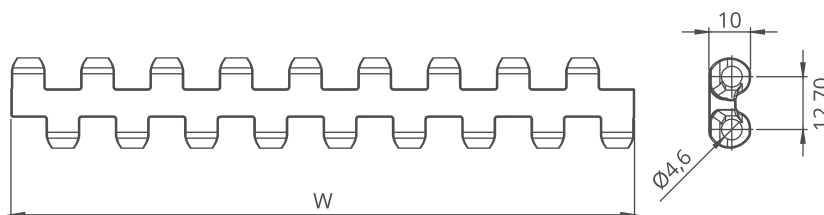
EC127 C / Technical Information

BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		C (min.)	C (max.)	Kg/m²
	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**

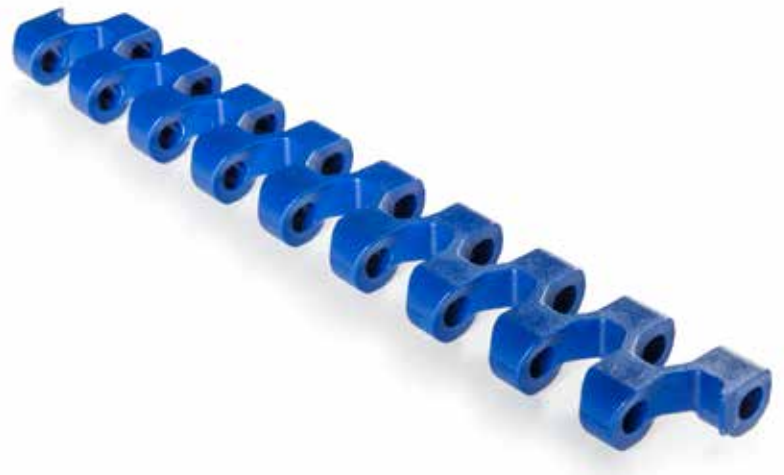
Draining, Sterilization, Conveyance

- **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

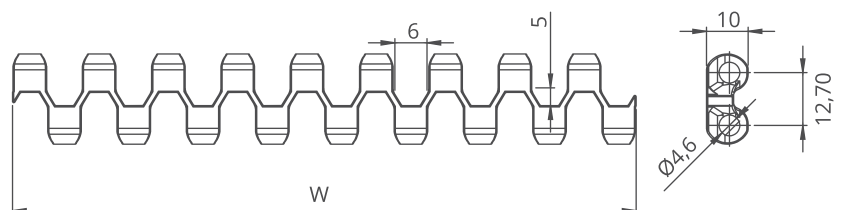
EC127 FG / Technical Information

BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		C (min.)	C (max.)	
	Kg/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
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EC127 FG	900	35,43	900	35,43	± 4 mm



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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

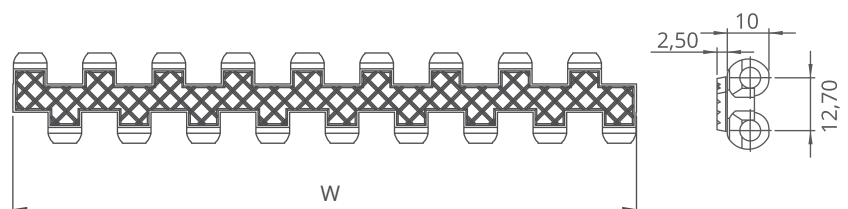
EC127 GT / Technical Information

BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		C (min.)	C (max.)	Kg/m ²
	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.

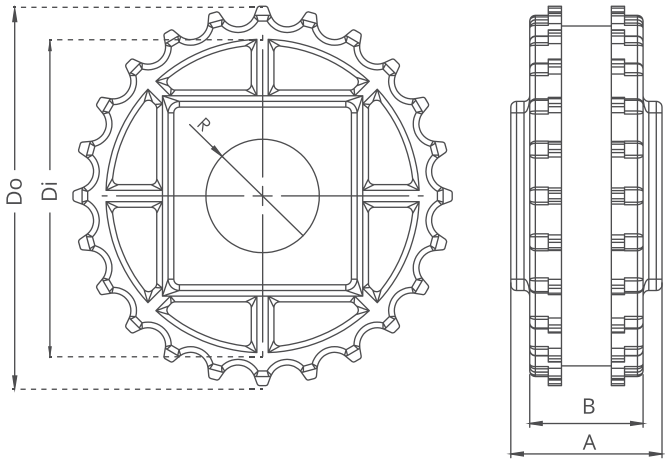
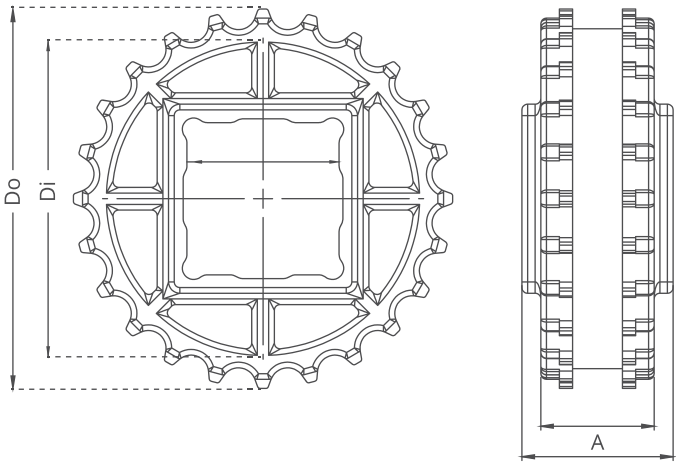
EC127 GT / Standard Belt Widths

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
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EC127 GT	700	27,56	700	27,56	± 3 mm
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EC127 GT	850	33,46	850	33,46	± 4 mm
EC127 GT	900	35,43	900	35,43	± 4 mm



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- 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

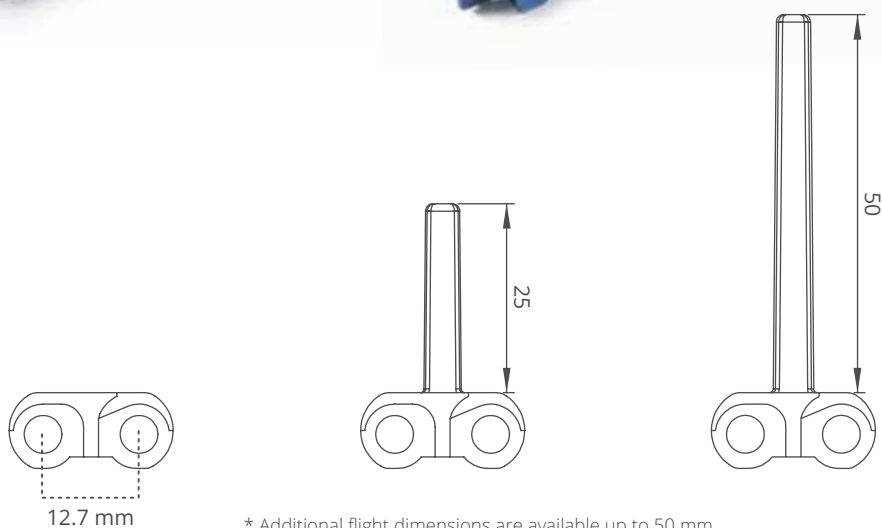
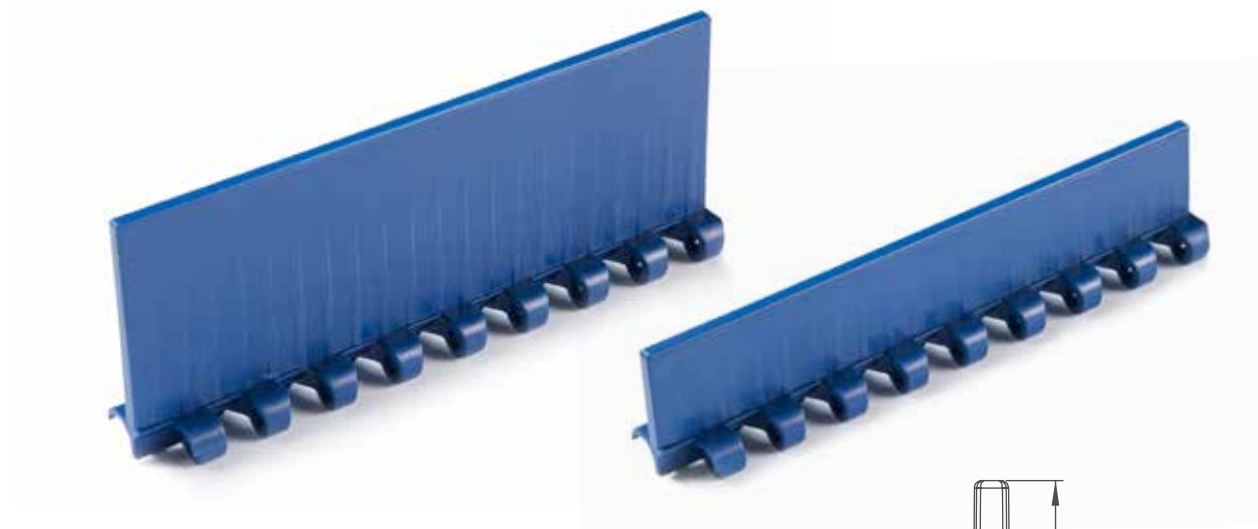


Moulded Sprocket



Machined Sprocket

EC127 Series *Accessories and Technical Specifications*



* Additional flight dimensions are available up to 50 mm.

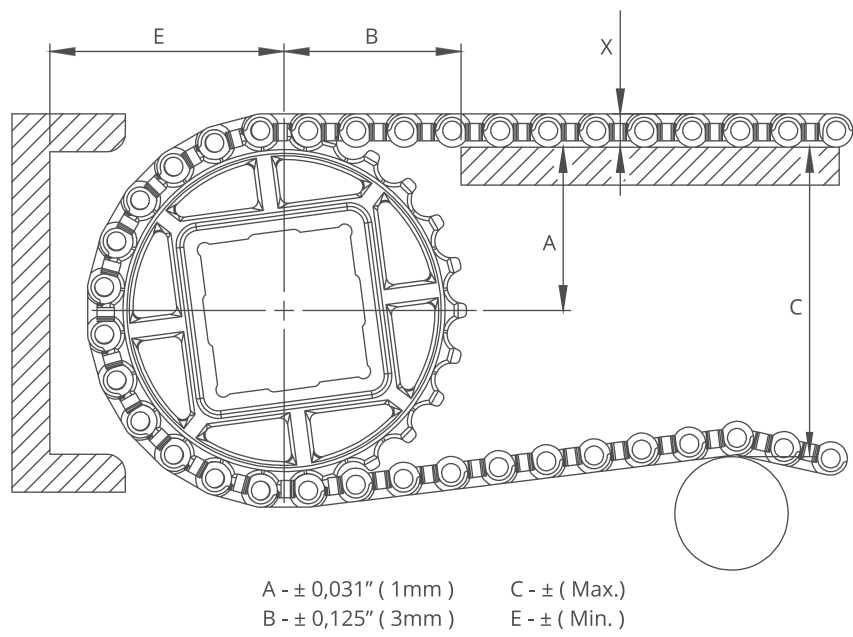


EC127 Series / Flight Technical Specifications

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.

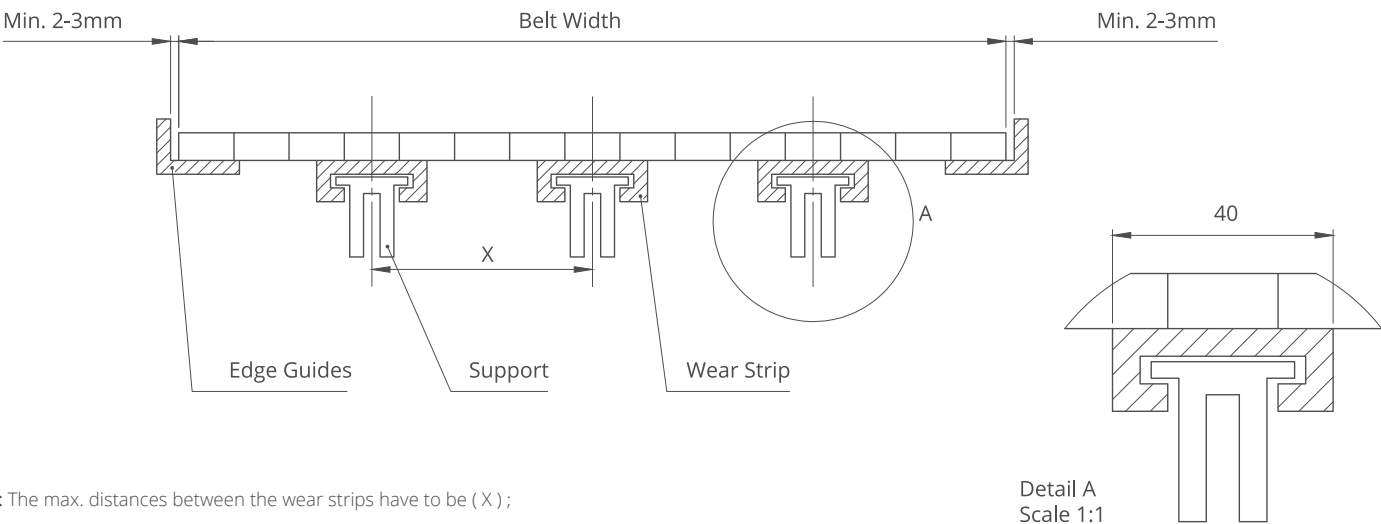
EC127 Series *Engineering Information*



EC127 Series / Conveyor Frame Dimensions

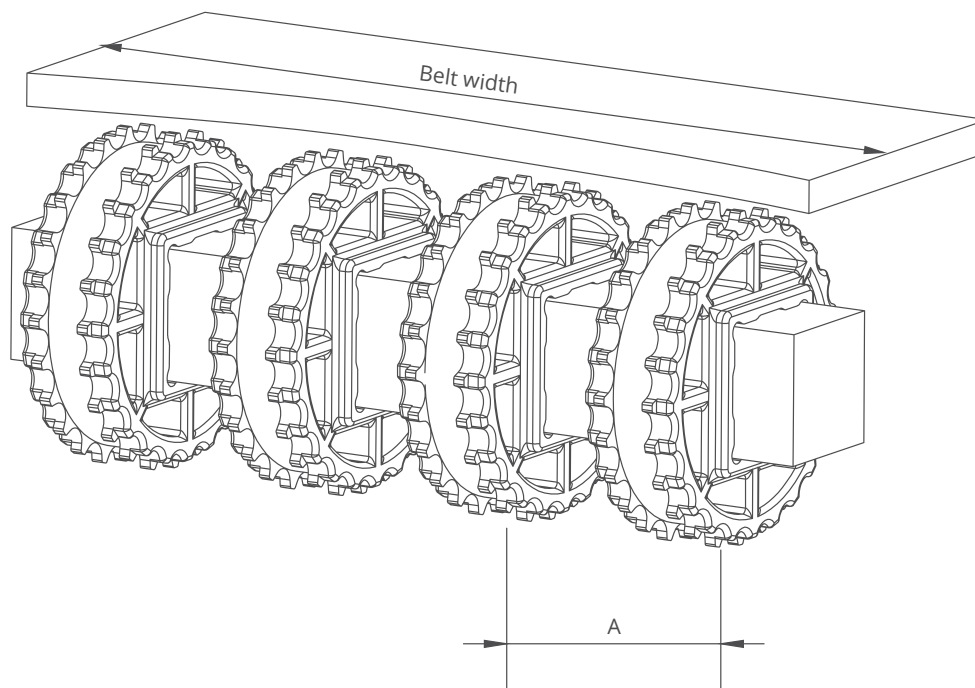
Sprockets Description			A		B		C		E		X	
Pitch Diameter		No.Teeth	Range (Bottom to Top)		In.	mm	In.	mm	In.	mm	In.	mm
In.	mm		In.	mm								
EC127 C, EC127 FG												
3,07	78	20	1,42	36	1,67	42,5	2,80	71	2,20	56	0,39	10
3,66	93	24	1,73	44	1,85	47	3,27	83	2,52	64	0,39	10
4,65	118	30	2,20	56	2,11	53,5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

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