



EC127 FG

Modular Belt Series

- **Bakery Applications**

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

- **Poultry Applications**

Breeding Lines and Grading Lines, Weighing Lines

- **Seafood Applications**

Breeding Lines, Grading Lines and Weighing Lines

- **Snack Food Applications**

Cooling Lines

- **Fruits and Vegetables Applications**

Draining, Sterilization, Conveyance

- **Packaging Applications**

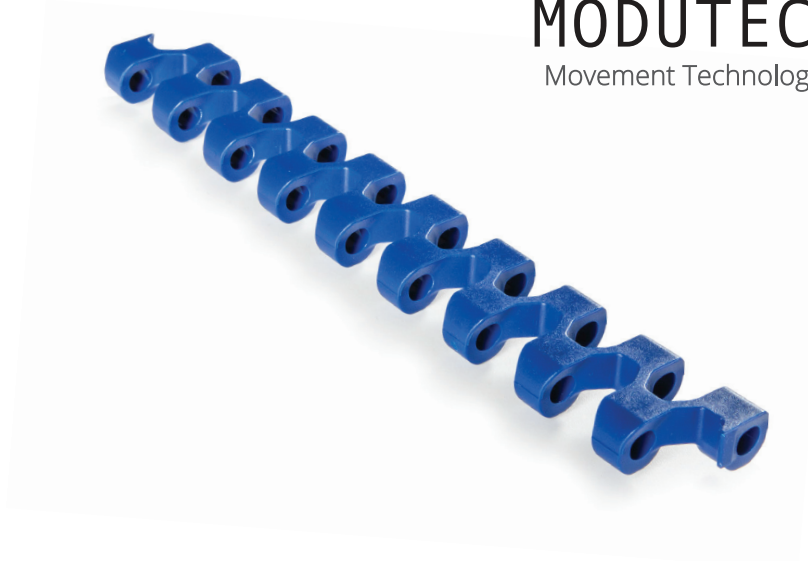
Check Weighers, Filling, Palletizing - Depalletizing, Box Transfer



MODUTECH®
Movement Technologies

EC127 FG

Pitch:	12,7 mm / 0.5 inch
Belt Surface:	Open, Smooth Surface
Minimum Width:	50 mm / 1.97 inch
Open Area (%):	20%. (Biggest opening 3 x 6 mm)
Flight:	Yes
Sidewall:	No
Pin:	Ø4,7 mm / 0.185 inch - Self Lock
Approved:	FDA and EU
Color:	Blue / White / Gray
Cleanability:	Excellent
Belt Thickness:	10 mm / 0.394 inch

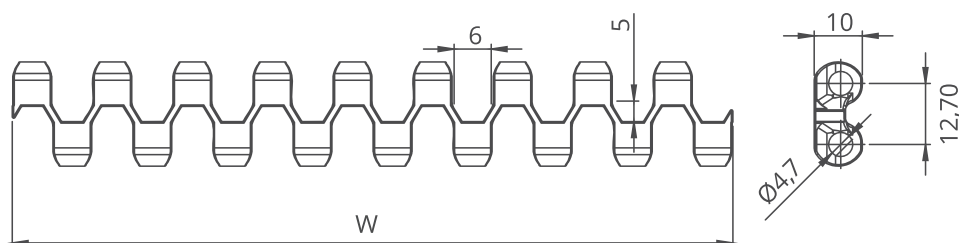


EC127 FG Technical Information

Belt Material		POM	POM	POM	PP	PP	PE
Pin Material		PA	POM	PP	PP	POM	POM
Belt Strength	N/m lb/ft	18000 - 1233	17500 - 1199	16000 - 1096	11000 - 754	13000 - 891	10000 - 685
Temperature	°C °F	-40 / +93 -40 / +200	-40 / +93 -40 / +200	+5 / +93 +40 / +200	+5 / +105 +40 / +200	+5 / +93 +40 / +200	-40 / +65 -40 / +150
Belt Weight	kg/m² lb/sqft²	7.2 / 1.48	7.2 / 1.48	7.2 / 1.48	5.2 / 1.07	5.3 / 1.09	5.8 / 1.19

Diameter of idling rollers (min.)		Diameter of support rollers (min.)		Diameter of gravity take-up and center drive support rollers (min.)		Backbending radius for elevators without side guards or hold down devices (min.)		Backbending radius for elevators with side guards or hold down devices (min.)	
mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
18	0.70	50	2	75	3	150	6	-	-

Belt Width mm	50,0	100,0	150,0	200,0	250,0	300,0	350,0	400,0	450,0	500,0	550,0	600,0	650,0	700,0	750,0	800,0	850,0	900,0	950,0
Belt Width inch	1.97	3.94	5.91	7.87	9.84	11.81	13.78	15.75	17.72	19.69	21.65	23.62	25.59	27.56	29.53	31.50	31.50	35.43	37.40
Belt Width mm	1000,0	1050,0																	
Belt Width inch	39.37	41.34																	



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.

Important Notes

- Standard belt increments 50 mm.
- Non-standard belt increments 16,6 mm.
- Special raw materials and additional colors available.
- Please contact with customer service for precise belt measurements.
- For PE, PP, POM materials up to 750 mm (30") -1 mm to 2 mm and 0% to 0.4% for wider belts.

EC127 Series

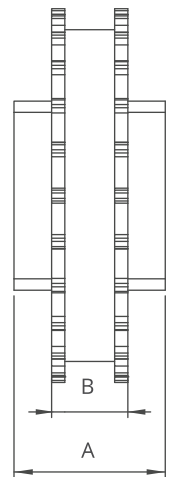
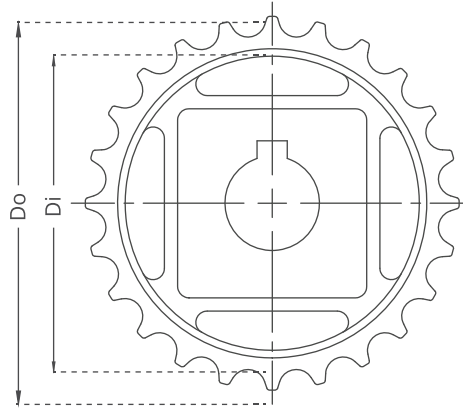
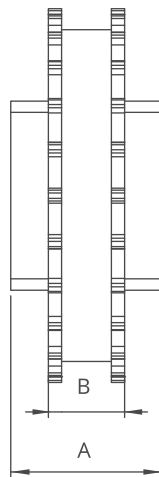
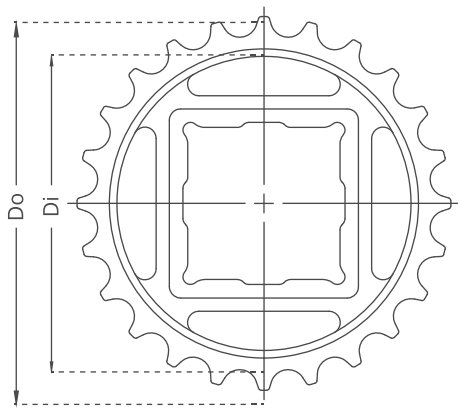
Sprockets and Technical Specifications



Z24



Z24



EC127 Series / Molded Sprocket Dimensions



Split molded sprockets are available for the products with "Red" font color.

NO. TEETH	Di mm/inch	Do mm/inch	B mm/inch	A mm/inch	Square Bore (Q)		Round Bore (R)		PRODUCT CODE	
					mm	inch	mm	inch	Square Type (Q)	Round Type (R)
Z19	68,5 / 2.69	78,3 / 3.08	20 / 0.79	40 / 1.57	25-40	1.5	20-25-30	1-1.25	EC127SQZ19*PA	EC127SRZ19*PA
Z24*	88,8 / 3.49	98,8 / 3.89	20 / 0.79	40 / 1.57	25- 40	1.5	20-25-30	1-1.25	EC127SQZ24*PA	EC127SRZ24*PA
Z28	105,0 / 4.13	115,2 / 4.53	20 / 0.79	40 / 1.57	40	1.5	20-25-30	1-1.25	EC127SQZ28*PA	EC127SRZ28*PA
Z30	113,1 / 4.45	123,4 / 4.86	20 / 0.79	40 / 1.57	40	1.5	20-25-30	1-1.25	EC127SQZ30*PA	EC127SRZ30*PA
Z36*	137,6 / 5.41	147,9 / 5.82	20 / 0.79	40 / 1.57	40	1.5	20-25-30	1-1.25	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.

*Machined Split Sprockets are available for each size.

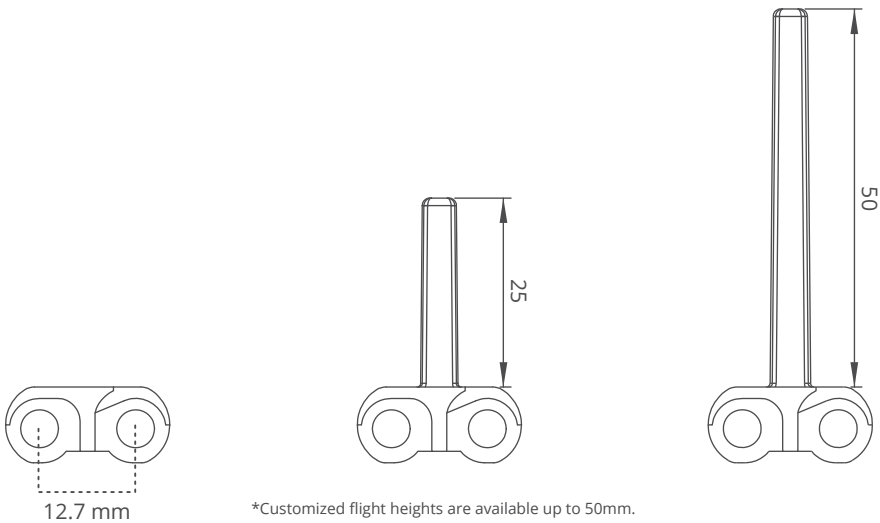
EC127 Series

Accessories and Technical Specifications



EC127 Series / Flight Dimensions

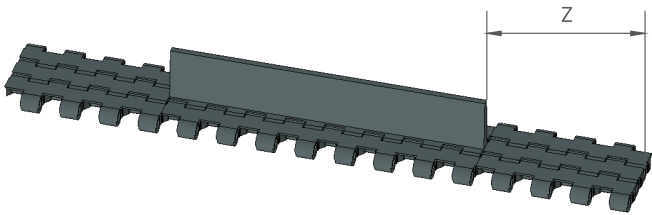
EC127 Series / Flights				
PRODUCT CODE	Flight Height (mm/inch)	Flight Width (mm/inch)	PRODUCT CODE	Sidewall Height (mm/inch)
EC127T25	25 / 1	150 / 5.90	-	-
EC127T50	50 / 2	150 / 5.90	-	-



*Customized flight heights are available up to 50mm.

EC127 Series / Flight Technical Specifications

Possible Flight Indents for EC127 Series	Z	
	mm	inch
Standard, module cutting	33,3	1.31
Standard, no module cutting	50,0	1.97
Standard, module cutting	66,6	2.62
Standard, module cutting	83,3	3.28
Standard, no module cutting	100,0	3.94



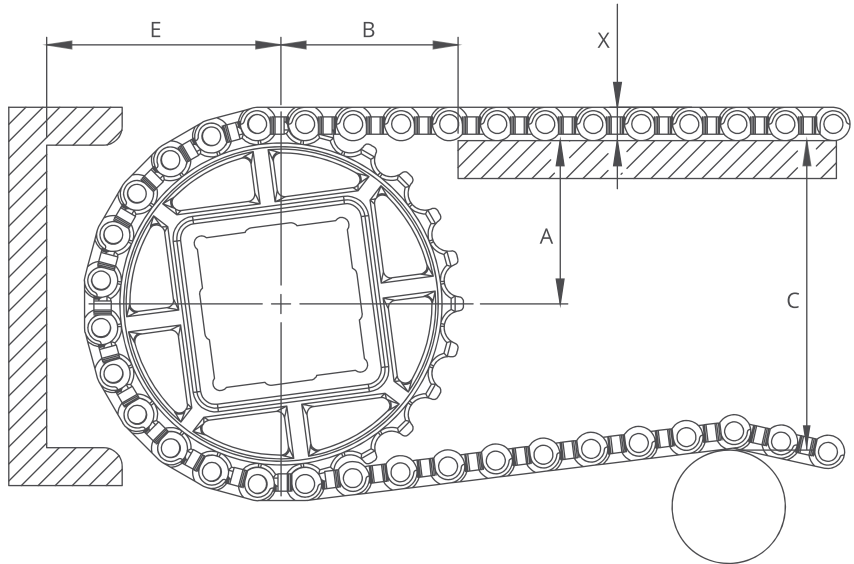
*Non-standard flight indent is available upon request.

EC127 Series

Engineering Information

A - $\pm 0,031"$ (1mm)
 B - $\pm 0,125"$ (3mm)

C - $\pm$ (Max.)
 E - $\pm$ (Min.)

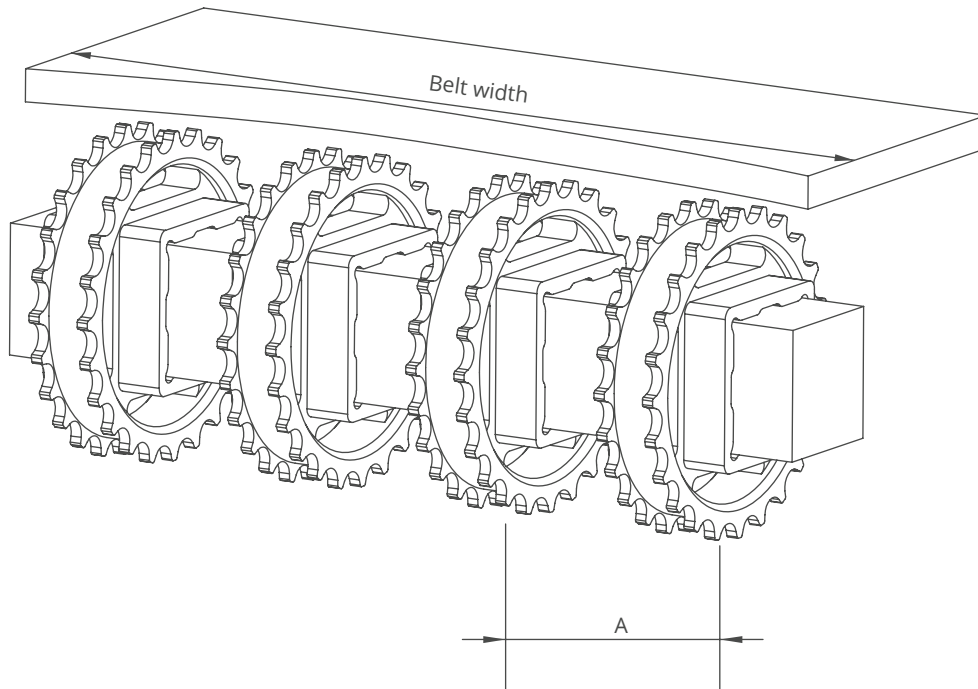


EC127 Series / Conveyor Frame Dimensions

Sprockets Description			A		B		C		E		X	
Pitch Diameter		No.Teeth	Range (Bottom to Top)		inch	mm	inch	mm	inch	mm	inch	mm
inch	mm		inch	mm								
EC127 C, EC127 FG												
2.89	73,4	19	1.36	34,5	1.67	42,5	2.83	72,0	2.09	53,0	0.39	10,0
3.69	93,8	24	1.73	44,0	1.89	48,0	3.23	82,0	2.48	63,0	0.39	10,0
4.33	110,1	28	2.07	52,5	2.05	52,0	3.86	98,0	2.80	71,0	0.39	10,0
4.66	118,3	30	2.24	57,0	2.13	54,0	4.02	102,0	2.95	75,0	0.39	10,0
5.62	142,7	36	2.72	69,0	2.35	59,8	4.96	126,0	3.43	87,0	0.39	10,0
EC127 GT												
2.89	73,4	19	1.46	37,0	1.67	42,5	2.83	72,0	2.19	55,5	0.49	12,5
3.69	93,8	24	1.83	46,5	1.89	48,0	3.23	82,0	2.58	65,5	0.49	12,5
4.33	110,1	28	2.17	55,0	2.05	52,0	3.86	98,0	2.89	73,5	0.49	12,5
4.66	118,3	30	2.34	59,5	2.13	54,0	4.02	102,0	3.05	77,5	0.49	12,5
5.62	142,7	36	2.81	71,5	2.35	59,8	4.96	126,0	3.52	89,5	0.49	12,5

EC127 Series

Engineering Information



EC127 Series / Sprocket & Wearstrip Arrangements

Standard Belt Width		Number of sprockets per shaft	Number of wearstrips		A (mm/inch)	
mm	inch		Carryway	Returnway	Min.	Max.
50,0	1,97	1	2	2	50 / 1,96	100 / 3,93
100,0	3,94	1	2	2	50 / 1,96	100 / 3,93
150,0	5,91	2	2	2	50 / 1,96	100 / 3,93
200,0	7,87	2	2	2	50 / 1,96	100 / 3,93
250,0	9,84	3	3	2	50 / 1,96	100 / 3,93
300,0	11,81	3	3	2	50 / 1,96	100 / 3,93
350,0	13,78	3	4	3	50 / 1,96	100 / 3,93
400,0	15,75	3	4	3	50 / 1,96	100 / 3,93
450,0	17,72	5	5	3	50 / 1,96	100 / 3,93
500,0	19,69	5	5	3	50 / 1,96	100 / 3,93
550,0	21,65	5	6	4	50 / 1,96	100 / 3,93
600,0	23,62	5	6	4	50 / 1,96	100 / 3,93
650,0	25,59	7	6	4	50 / 1,96	100 / 3,93
700,0	27,56	7	7	4	50 / 1,96	100 / 3,93
750,0	29,53	7	7	4	50 / 1,96	100 / 3,93
800,0	31,50	7	7	4	50 / 1,96	100 / 3,93
850,0	33,46	9	7	4	50 / 1,96	100 / 3,93
900,0	35,43	9	8	5	50 / 1,96	100 / 3,93
950,0	37,40	9	8	5	50 / 1,96	100 / 3,93
1000,0	39,37	9	8	5	50 / 1,96	100 / 3,93
1050,0	41,34	9	8	5	50 / 1,96	100 / 3,93
1100,0	43,31	11	9	5	50 / 1,96	100 / 3,93
1150,0	45,28	11	9	5	50 / 1,96	100 / 3,93

Note:

*The number of sprockets and wearstrips may vary depending on the conveyor load.