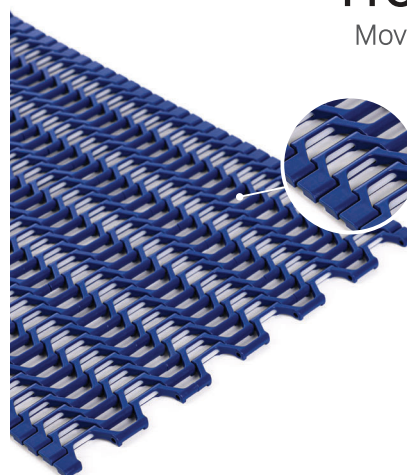




MODUTECH[®]
Movement Technologies

MD127 GAP50% FE

Pitch:	12,7 mm / 0.50 inch
Belt Surface:	Open, Smooth Surface
Minimum Width:	177,8 mm / 7 inch
Open Area (%):	50%. (Biggest opening 10 x 25 mm)
Flight:	No
Sidewall:	No
Pin:	Ø3,6 mm / 0.142 inch
Approved:	FDA and EU
Color:	Blue / White / Gray
Cleanability:	Excellent
Belt Thickness:	7 mm / 0.276 inch

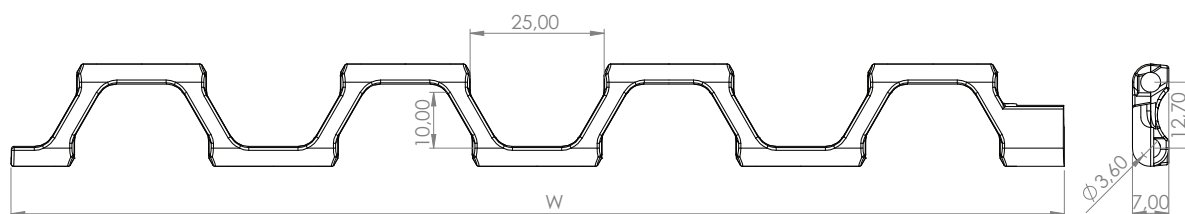


MD127 GAP50% FE Technical Information

Belt Material		POM	POM	PP	PP	PA	PA
Pin Material		PA	POM	POM	PA	POM	PA
Belt Strength	N/m lb/ft	4400 - 301	4400 - 301	3200 - 219	3200 - 219	4400 - 301	4400 - 301
Temperature	°C °F	-40 / +93 +40 / +200	-40 / +93 -40 / +200	+5 / +93 +40 / +200	+5 / +105 +40 / +200	-40 / +93 +40 / +200	-46 / 150 -46 / 302
Belt Weight	kg/m² lb/sqft²	3,6 / 0.75	3,6 / 0.75	2,8 / 0.57	2,8 / 0.57	3,3 / 0.68	3,3 / 0.68

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	203,2	254,0	304,8	355,6	406,4	508,0	558,8	609,6	660,4	711,2	762,0	812,8	863,6	914,4	965,2	1016,0	1066,8	1117,6	1168,4
Belt Width inch	8.00	10.00	12.00	14.00	16.00	20.00	22.00	24.00	26.00	28.00	30.00	32.00	34.00	36.00	38.00	40.00	42.00	44.00	46.00
Belt Width mm	1219,2																		
Belt Width inch	48.00																		



Product Features and Functional Benefits

- 50% open area offers excellent airflow and drainage.
- Less friction and product contact for easy cooking, cooling and freezing applications.
- The smooth edge design prevents dirt/debris accumulation.
- Suitable for tight transfer and nosebar applications.

Important Notes

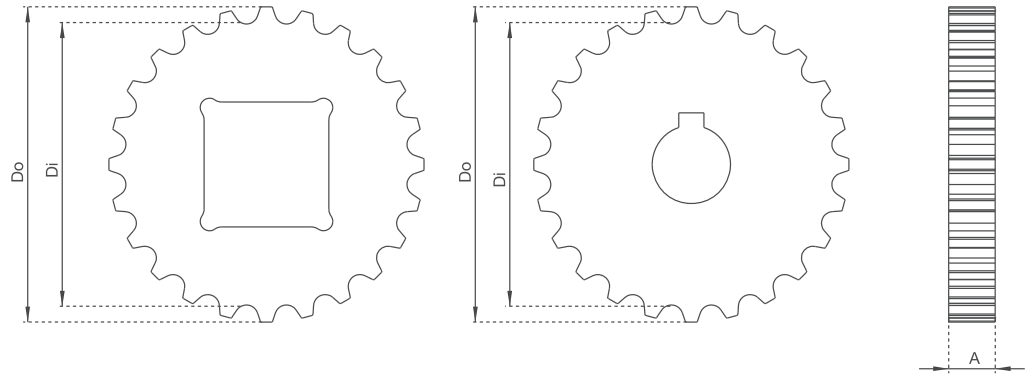
- Standard belt increments 101,6 mm.
- Non-standard belt increments 50,8 mm.
- Special raw materials and additional colors available.
- Please contact with customer service for precise belt measurements.
- Physical belt widths are generally 0.1% to 0.3% smaller.
- For POM material up to 750 mm (30") -3 mm to 0 mm and -0.4% to 0% for wider belts.
- For PA material up to 750 mm (30") 0% to 7.5% and 0% to 8% for wider belts.

MD127 GAP50% Series

Engineering Information



Z19



MD127 GAP50% Series / Machined Sprockets Dimensions

NO. TEETH	Di mm/inch	Do mm/inch	B mm/inch	A mm/inch	Square Bore (Q) mm/inch		Round Bore (R) mm/inch		PRODUCT CODE	
									Square Type (Q)	Round Type (R)
Z19	70,9 / 2.79	80,8 / 3.18	-	15 / 0.59	25-40	1-1.5	25-30	1-1.25	MD127G50SQZ19	MD127G50SRZ19
Z24	91,3 / 3.59	101,5 / 3.99	-	15 / 0.59	25-40	1-1.5	25-30	1-1.25	MD127G50SQZ24	MD127G50SRZ24
Z36	140,5 / 5.53	151 / 5.94	-	15 / 0.59	40	1.5	25-30	1-1.25	MD127G50SQZ36	MD127G50SRZ36

*All required sprockets produced by CNC.

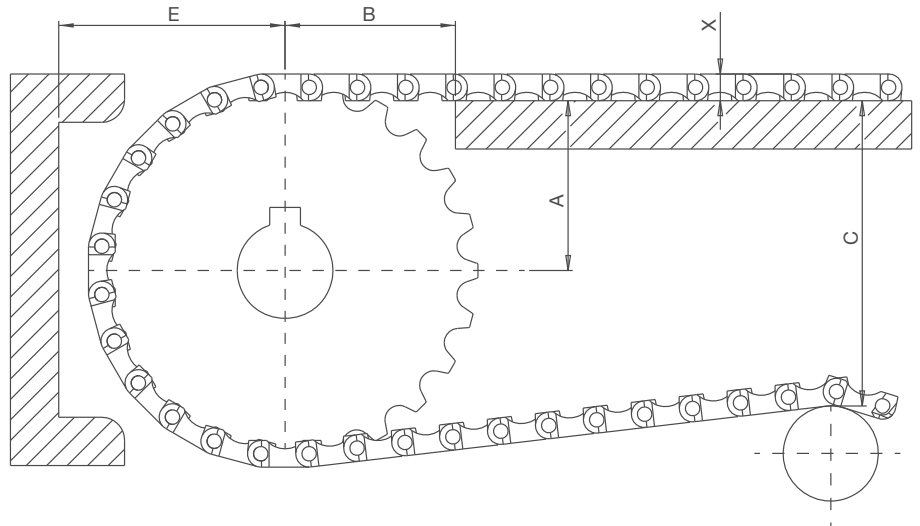
*Other sprockets and hub sizes are manufactured up to request.

*POM (Acetal) and PA (Polyamide) sprockets raw material is available on request.

*Machined Split Sprockets are available for each size.

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

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

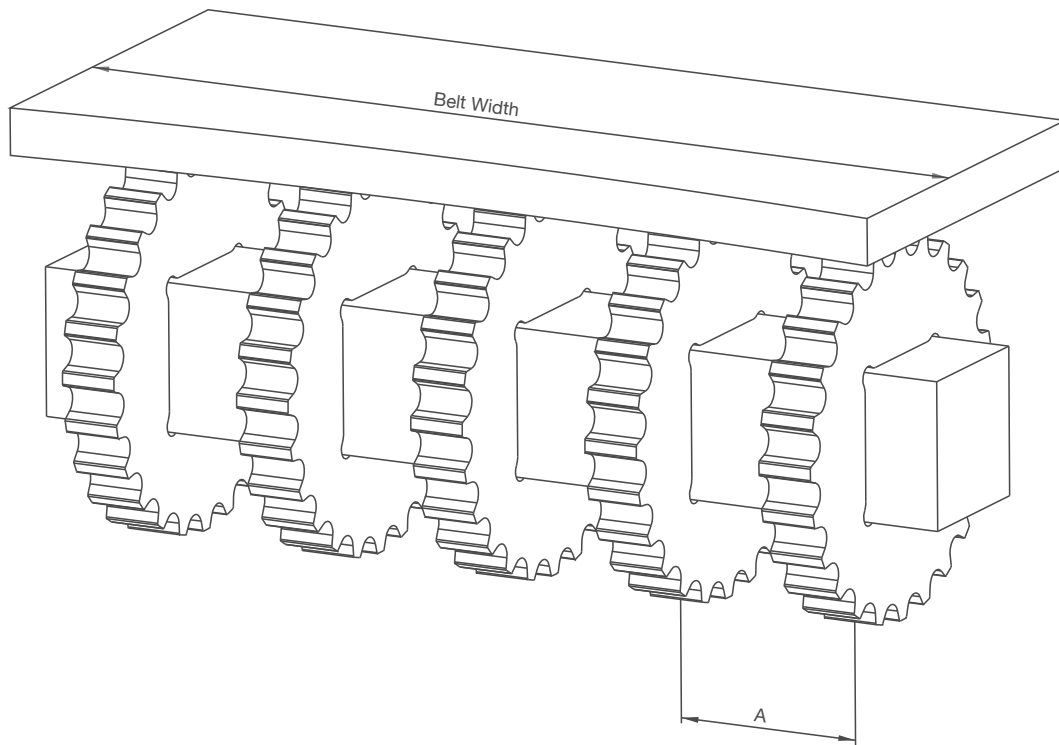


MD127 GAP50% Series / Conveyor Frame Dimensions

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								
MD127 GAP50%												
3.09	78,4	19	1.39	35,4	1.57	40	2.95	75	1.89	48	0.28	7
3.86	98,8	24	1.80	45,7	1.97	50	3.74	95	2.28	58	0.28	7
5.83	148	36	2.77	70.3	2.95	75	5.71	145	3.23	82	0.28	7

MD127 GAP50% Series

Engineering Information



MD127 GAP50% Series / Sprockets Arrangement

Standard Belt Width		Number of sprockets per shaft		A (mm/inch)	
mm	inch	Drive Shaft	Return Shaft	Min.	Max.
177,8	7.0	2	2	50/2	100/4
203,2	8.0	3	2	50/2	100/4
304,8	12.0	4	3	50/2	100/4
406,4	16.0	5	3	50/2	100/4
508,0	20.0	6	4	50/2	100/4
609,6	24.0	7	5	50/2	100/4
711,2	28.0	8	6	50/2	100/4
812,8	32.0	9	7	50/2	100/4
914,4	36.0	10	8	50/2	100/4
1016,0	40.0	11	9	50/2	100/4
1117,6	44.0	12	9	50/2	100/4
1219,2	48.0	13	10	50/2	100/4
1320,8	52.0	14	11	50/2	100/4
1422,4	56.0	14	11	50/2	100/4
1524,0	60.0	15	12	50/2	100/4
1625,6	64.0	16	12	50/2	100/4