MODUTECH®

MD127 GAP%50

Modular Belt Serie

MD127 GAP%50
Sprockets
Engineering Information



www.modutech.com.tr





MD127 GAP%50

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 Breading Machines, Draining Lines

- **Snack Food Applications**

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

- **Fruits and Vegetables Applications**

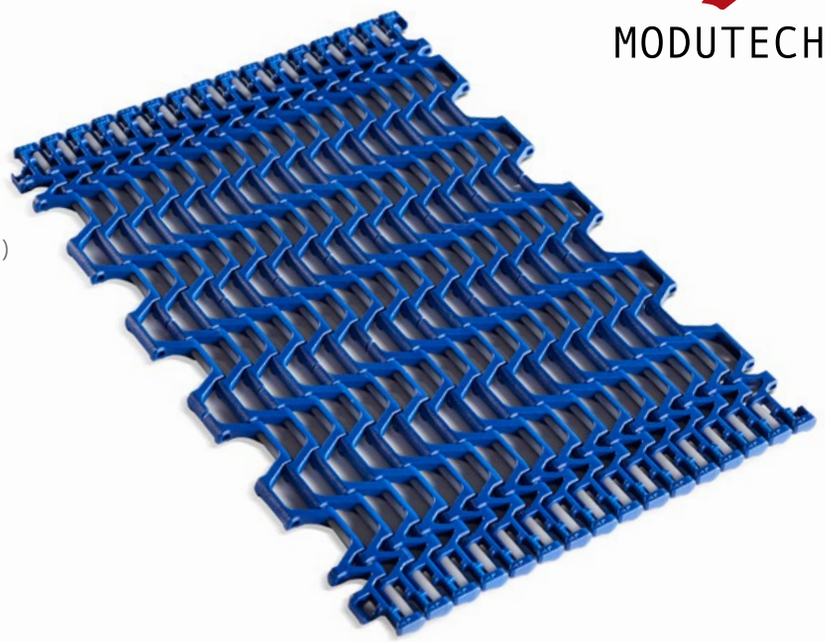
Including Prewashing / Rinsing, Draining

- **Packing Industry**

Shrink Tunnels

MD127 GAP%50

Pitch:	12,7 mm / **0.5 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
Rod:	Ø3,6 mm / **0.142 inch**
Approved:	FDA and EU
Curve:	No
Color:	Additional colors available
Cleanability:	Excellent
Belt Thickness:	7 mm / **0.276 inch**



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 80%.

Available Moulded Module Sizes

- 203,2 mm / **8 inch** module
- 177,8 mm / **7 inch** module
- 127 mm / **5 inch** module

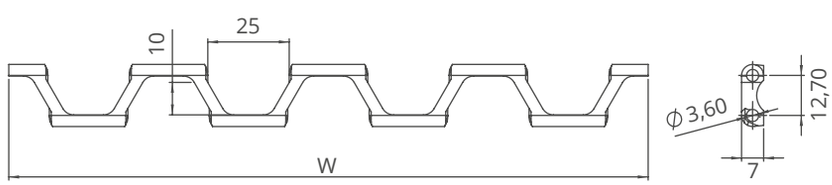
MD127 GAP%50 / Technical Information

BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		°C / **°F** (min.)	°C/**°F** (max.)	Kg/m² / **lb/ft²**
	N/m	**lb/ft**	N/m	**lb/ft**			
Polypropylene	3410	**233**	-	-	+5 / **+41**	+90 / **+194**	2,8 / **0.57**
Polyethylene	-	**-**	-	-	-	-	-
Acetal	4840	**331**	-	-	-43 / **-45.4**	+110 / **+230**	3,6 / **0.75**

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

MD127 GAP%50 / Standard Belt Widths

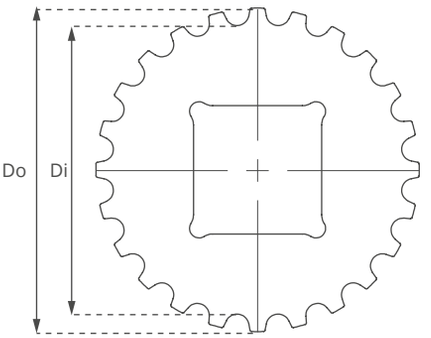
BELT SERIES	WIDTH (W)				Belt With Tolerance (max.)
	PP		POM		
	mm	**inch**	mm	**inch**	
MD127G50	177,80	**7.0**	177,80	**7.0**	± 1 mm
MD127G50	203,20	**8.0**	203,20	**8.0**	± 1 mm
MD127G50	304,80	**12.0**	304,80	**12.0**	± 1 mm
MD127G50	406,40	**16.0**	406,40	**16.0**	± 1 mm
MD127G50	508,00	**20.0**	508,00	**20.0**	± 2 mm
MD127G50	609,60	**24.0**	609,60	**24.0**	± 2 mm
MD127G50	711,20	**28.0**	711,20	**28.0**	± 2 mm
MD127G50	812,80	**32.0**	812,80	**32.0**	± 2 mm
MD127G50	914,40	**36.0**	914,40	**36.0**	± 2 mm

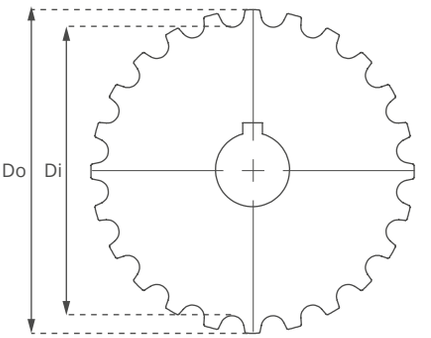


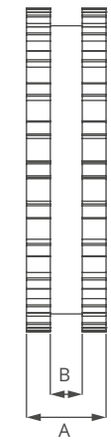
- Standard belt increments 101,6 mm.
- Non-standard belt increments 25,4 mm.
- Please contact with customer service for precise belt measurements.

MD127 GAP%50 Serie *Engineering Information*







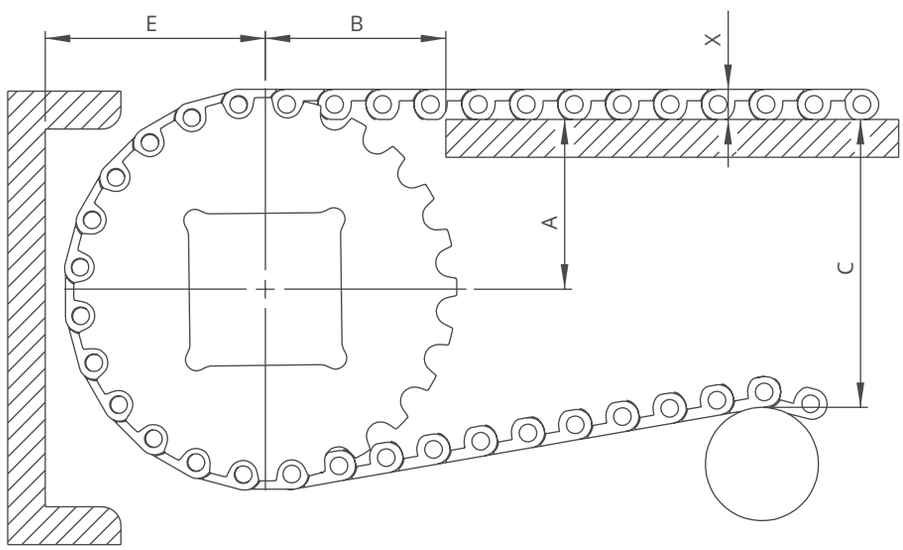


MD127 GAP%50 Serie / Machined Sprockets Dimensions

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**	10 / **0.39**	25 / **1.0**	20 / **0.78**	25 / **1**	MD127G50SQZ19	MD127G50SRZ19
Z24	91,3 / **3.59**	101,6 / **4.00**	10 / **0.39**	25 / **1.0**	25 / **1**	25-40 / **1-1.50**	MD127G50SQZ24	MD127G50SRZ24
Z36	140,5 / **5.53**	150,5 / **5.93**	10 / **0.39**	25 / **1.0**	40 / **1.57**	25-400 / **1-1.50**	MD127G50SQZ36	MD127G50SRZ36

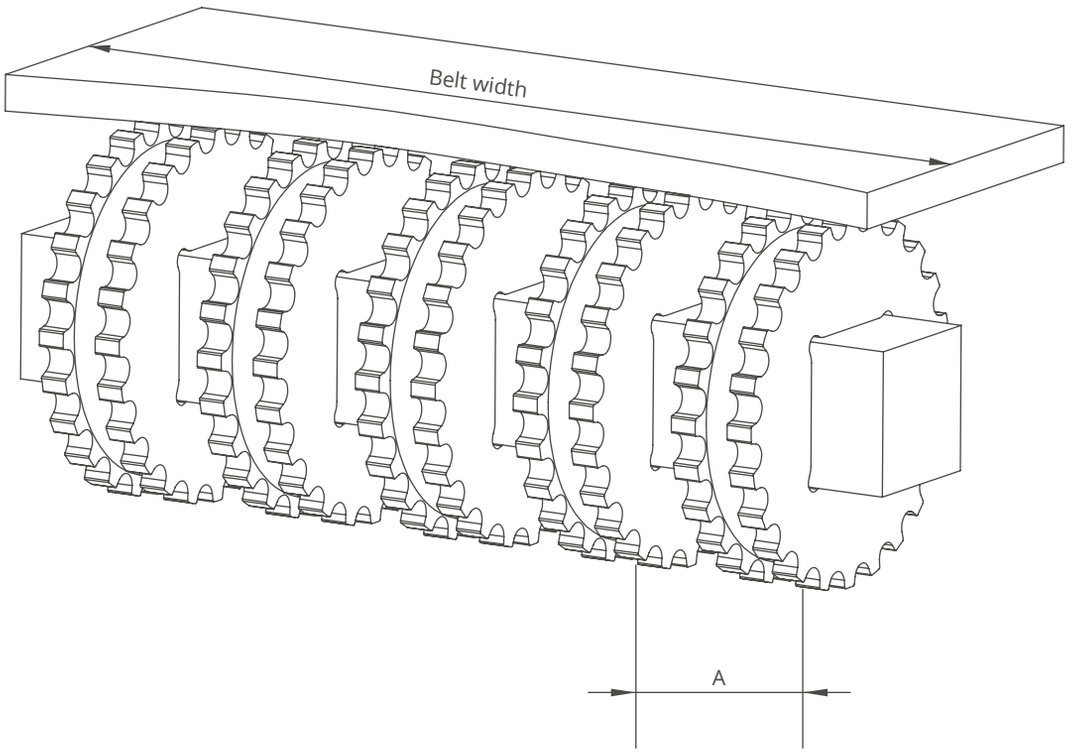
*All required sprockets produced by CNC.
*Other sprockets and hub sizes are manufactured up to request.
*POM (Acetal) and PA (Polyamide) sprockets raw material is available on request.
***Machined Split Sprockets are avaliable for each size.**

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



MD127 GAP%50 Serie / 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 GAP%50												
3.09	78,4	19	**1.40**	35,4	**1.59**	40,4	**2.00**	50,9	**1.87**	47,4	**0.28**	7,0
3.86	98,0	24	**1.80**	45,7	**2.00**	50,8	**2.81**	71,3	**2.27**	57,7	**0.28**	7,0
5.83	148,0	36	**2.77**	70,3	**2.97**	75,5	**4.74**	120,5	**3.24**	82,3	**0.28**	7,0



MD127 GAP%50 Serie / 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**