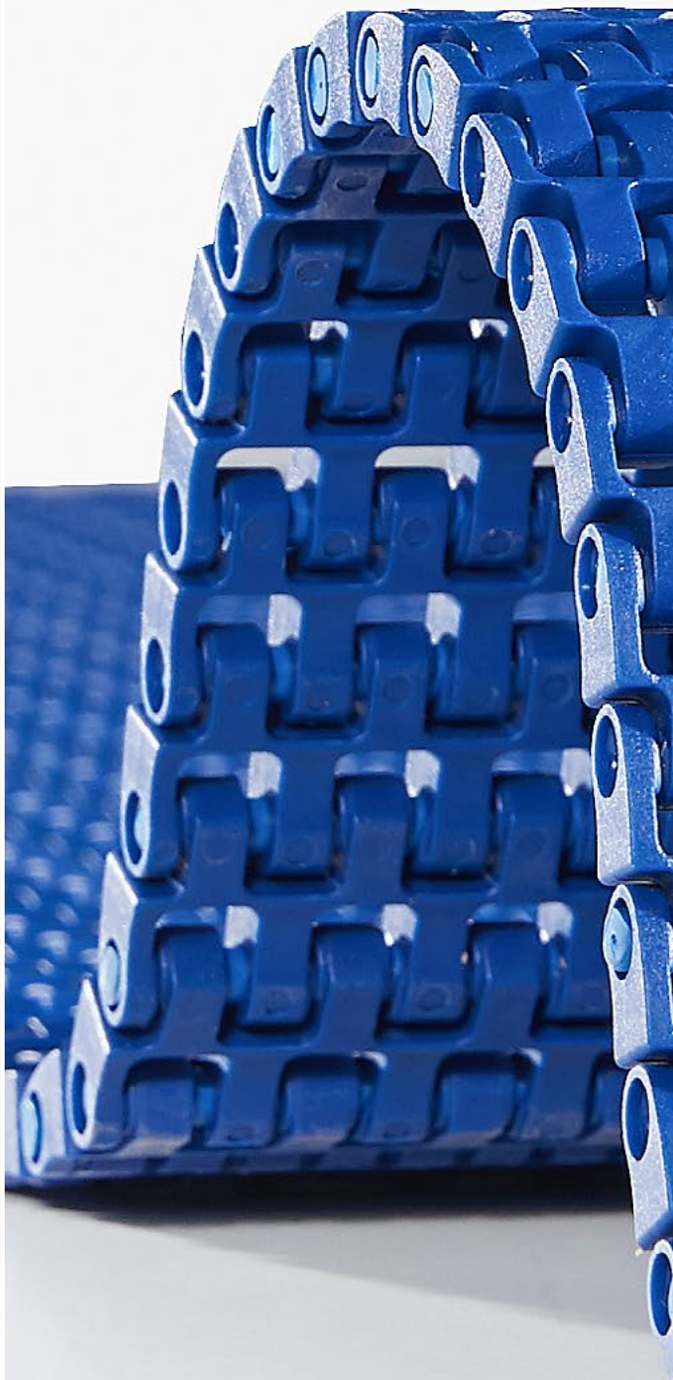
MODUTECH®

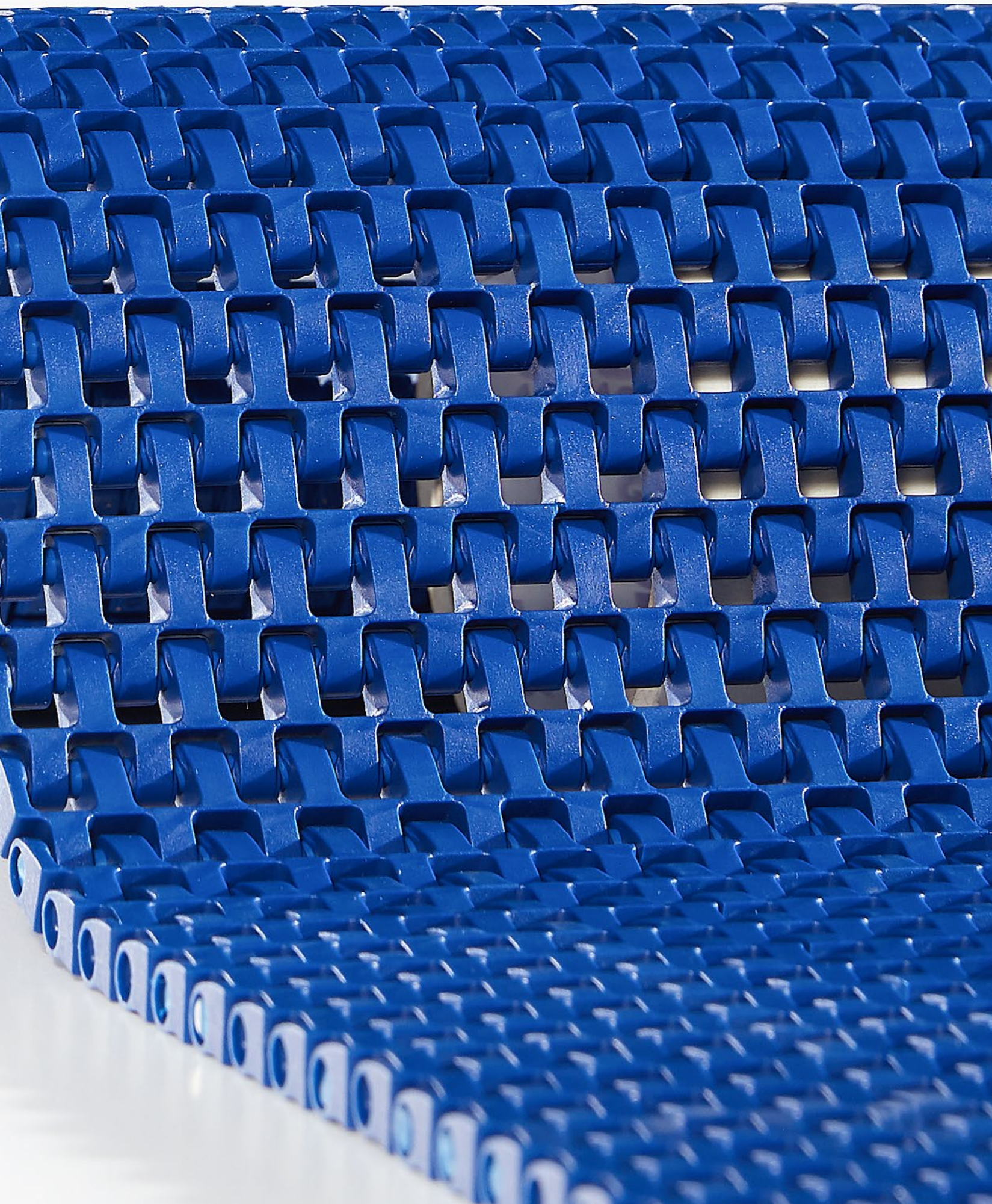
SM127

Modular Belt Series

SM127 C
SM127 FG
SM127 CRV
Sprockets
Engineering Information



www.modutech.com.tr





SM127 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**

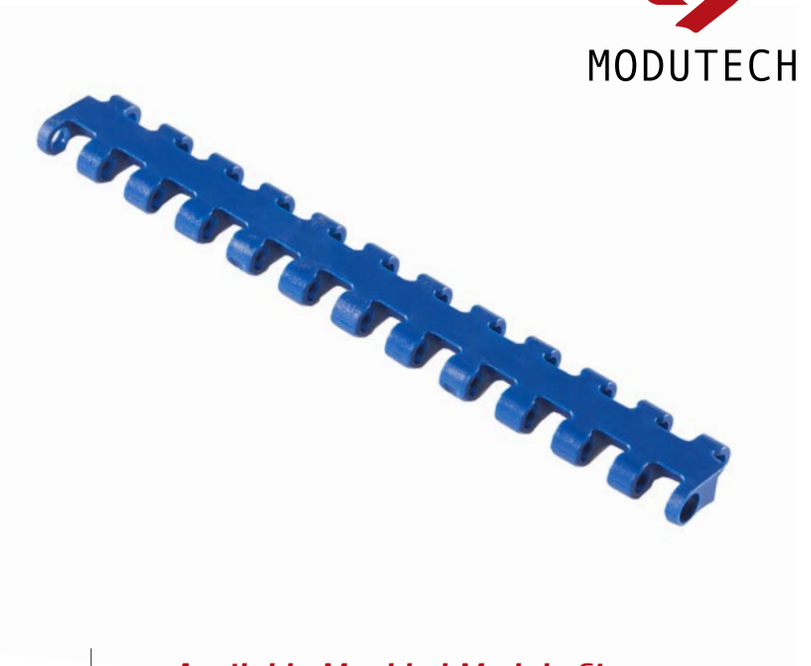
Scalling, Marking, Sciver Cementing, Water Blow - Off,
Tire Transport Horizontal

- **Corrugated Applications**

Down Stackers, Corrugator Take Off, Transfer Car

SM127 C

Pitch:	12,7 mm / **0.5 inch**
Belt Surface:	Close, Smooth Surface
Minimum Width:	152,4 mm / **6.00 inch**
Open Area (%):	0%
Flight:	No
Sidewall:	No
Rod:	Ø4,4 mm / **0.173 inch** - Self Lock
Approved:	FDA and EU
Curve:	No
Color:	Additional colors available
Cleanability:	Good
Belt Thickness:	7,6 mm / **0.3 inch**



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.
- Tight transfer applications.
- Tight transfer and high speed conveyors.

Available Moulded Module Sizes

- 152,4 mm / **6.00 inch** module

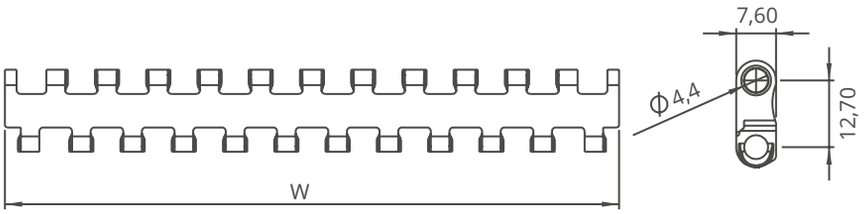
SM127 C / Technical Information

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	12845	**880**	-	-	+5 / **+41**	+90 / **+194**	4,3 / **0.89**
Polyethylene	7705	**528**	-	-	-73 / **-99.4**	+66 / **+150.8**	4,5 / **0.93**
Acetal	22475	**1540**	-	-	-43 / **-45.4**	+110 / **+230**	6,2 / **1.28**

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

SM127 C / Standard Belt Widths

BELT SERIES	WIDTH (W)				Belt With Tolerance (max.)
	PP-PE		POM		
	mm	**inch**	mm	**inch**	
SM127 C	152,4	**6.00**	152,4	**6.00**	± 1 mm
SM127 C	228,6	**9.00**	228,6	**9.00**	± 1 mm
SM127 C	304,8	**12.00**	304,8	**12.00**	± 2 mm
SM127 C	381,0	**15.00**	381,0	**15.00**	± 2 mm
SM127 C	457,2	**18.00**	457,2	**18.00**	± 2 mm
SM127 C	533,4	**21.00**	533,4	**21.00**	± 2 mm
SM127 C	609,6	**24.00**	609,6	**24.00**	± 2 mm
SM127 C	685,8	**27.00**	685,8	**27.00**	± 2 mm
SM127 C	762,0	**30.00**	762,0	**30.00**	± 2 mm
SM127 C	838,2	**33.00**	838,2	**33.00**	± 3 mm
SM127 C	914,4	**36.00**	914,4	**36.00**	± 3 mm
SM127 C	990,6	**39.00**	990,6	**39.00**	± 3 mm
SM127 C	1066,8	**32.00**	1066,8	**32.00**	± 3 mm
SM127 C	1143,0	**45.00**	1143,0	**45.00**	± 3 mm
SM127 C	1219,2	**48.00**	1219,2	**48.00**	± 4 mm
SM127 C	1295,4	**51.00**	1295,4	**51.00**	± 4 mm



- Standard belt increments 76,2 mm.
- Non-standard belt increments 12,7 mm.
- Please contact with customer service for precise belt measurements.



SM127 FG

Modular Belt Series

- ***Bakery Applications***

Divider, Oven Infeed-Outfeed, Cooling Lines, Coating-Glazing Lines, Freezing Lines, Metal Detector, Spiral Infeed-Outfeed, Conditioning Lines

- ***Meat and Poultry Applications***

Transfer - Crossover Conveyance, Shrink Wrapping and Metal Detectors, Freezing Lines

- ***Seafood Applications***

Control Table, Glazing and Metal Detector

- ***Beverage Applications***

Can, Glass and PET Palletizing-Depalletizing,

- ***Fruits and Vegetables Applications***

Sterilization Conveyance, Draining and Metal Detector

- ***Can, Glass and PET Manufacturing Applications***

Washer infeed, accumulation tables and palletizing-depalletizing

- ***Printing and Paper Applications***

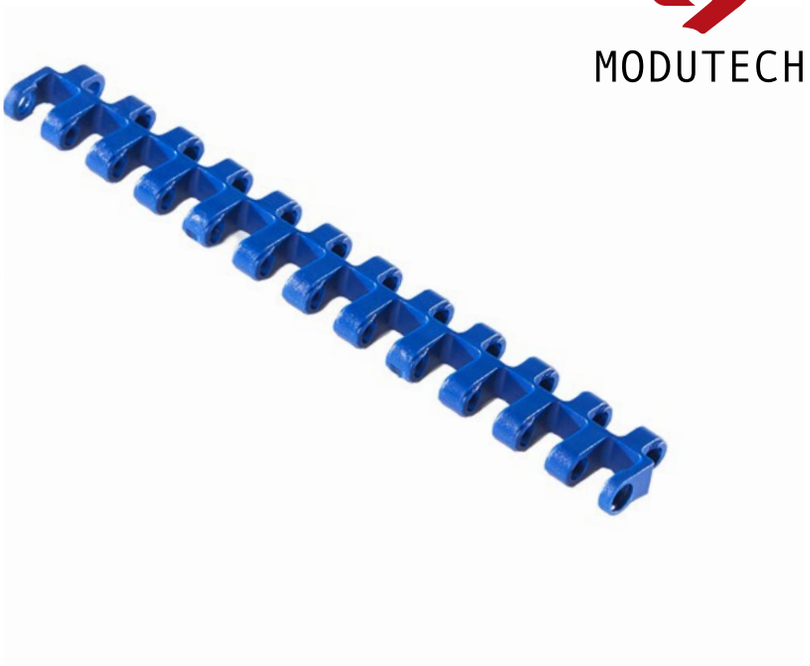
Printing Machine Outfeed, Stacker Outfeed, Wrapping Machine Outfeed, Book Binding

- ***Corrugated Applications***

Down Stackers, Stock Handling-Buffer, Transfer Cart, Strap Feed, Casemaker Feeder

SM127 FG

Pitch:	12,7 mm / **0.5 inch**
Belt Surface:	Open, Smooth Surface
Minimum Width:	152,4 mm / **6.00 inch**
Open Area (%):	22%. (Biggest opening 3,6 x 8,1 mm)
Flight:	No
Sidewall:	No
Rod:	Ø4,4 mm / **0.173 inch** - Self Lock
Approved:	FDA and EU
Curve:	No
Color:	Additional colors available
Cleanability:	Excellent
Belt Thickness:	7,6 mm / **0.3 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.

Available Moulded Module Sizes

- 152,4 mm / **6.00 inch** module

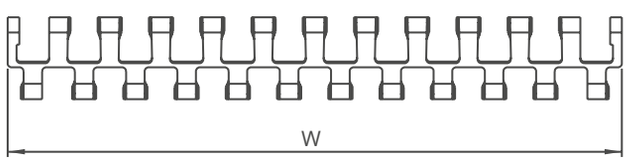
SM127 FG / Technical Information

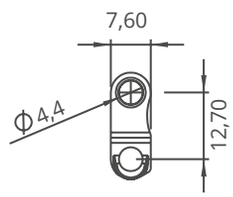
BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		°C / **°F** (min.)	°C/**°F** (max.)	Kg/m² / **lb/ft²**
	N/m	**lb/ft**	N/m	**lb/ft**			
Polypropylene	12845	**880**	-	-	+5 / **+41**	+90 / **+194**	4,2 / **0.86**
Polyethylene	7705	**528**	-	-	-73 / **-99.4**	+66 / **+150.8**	4,4 / **0.91**
Acetal	22475	**1540**	-	-	-43 / **-45.4**	+110 / **+230**	6,1 / **1.25**

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

SM127 FG / Standard Belt Widths

BELT SERIES	WIDTH (W)				Belt With Tolerance (max.)
	PP-PE		POM		
	mm	**inch**	mm	**inch**	
SM127 FG	152,4	**6.00**	152,4	**6.00**	± 1 mm
SM127 FG	228,6	**9.00**	228,6	**9.00**	± 1 mm
SM127 FG	304,8	**12.00**	304,8	**12.00**	± 2 mm
SM127 FG	381,0	**15.00**	381,0	**15.00**	± 2 mm
SM127 FG	457,2	**18.00**	457,2	**18.00**	± 2 mm
SM127 FG	533,4	**21.00**	533,4	**21.00**	± 2 mm
SM127 FG	609,6	**24.00**	609,6	**24.00**	± 2 mm
SM127 FG	685,8	**27.00**	685,8	**27.00**	± 2 mm
SM127 FG	762,0	**30.00**	762,0	**30.00**	± 2 mm
SM127 FG	838,2	**33.00**	838,2	**33.00**	± 3 mm
SM127 FG	914,4	**36.00**	914,4	**36.00**	± 3 mm
SM127 FG	990,6	**39.00**	990,6	**39.00**	± 3 mm
SM127 FG	1066,8	**32.00**	1066,8	**32.00**	± 3 mm
SM127 FG	1143,0	**45.00**	1143,0	**45.00**	± 3 mm
SM127 FG	1219,2	**48.00**	1219,2	**48.00**	± 4 mm
SM127 FG	1295,4	**51.00**	1295,4	**51.00**	± 4 mm





- Standard belt increments 76,2 mm.
- Non-standard belt increments 12,7 mm.
- Please contact with customer service for precise belt measurements.



SM127 CRV

Modular Belt Series

- **Bakery Applications**

Divider, Oven Infeed-Outfeed, Cooling Lines, Coating-Glazing Lines, Freezing Lines, Metal Detector, Spiral Infeed-Outfeed, Conditioning Lines

- **Meat and Poultry Applications**

Transfer - Crossover Conveyance, Shrink Wrapping and Metal Detectors, Freezing Lines

- **Seafood Applications**

Control Table, Glazing and Metal Detector

- **Snack Food Applications**

Cooling Lines

- **Fruits and Vegetables Applications**

Sterilization Conveyance, Draining and Metal Detector

- **Packing Applications**

Check Weighs, Filling, Metal Detector, Palletizing-Depalletizing, Box Transport Horizontal

SM127 CRV

Pitch:	12,7 mm / **0.5 inch**
Belt Surface:	Open, Curve Top Surface
Minimum Width:	152,4 mm / **6.00 inch**
Open Area (%):	22%. (Biggest opening 3,6 x 8,1 mm)
Flight:	No
Sidewall:	No
Rod:	Ø4,4 mm / **0.173 inch** - Self Lock
Approved:	FDA and EU
Curve:	No
Color:	Additional colors available
Cleanability:	Excellent
Belt Thickness:	8,6 mm / **0.338 inch**



Product Features and Functional Benefits

- Curved top decreases contact area to reduce cooling and freezing time.
- 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

- 152,4 mm / **6.00 inch** module

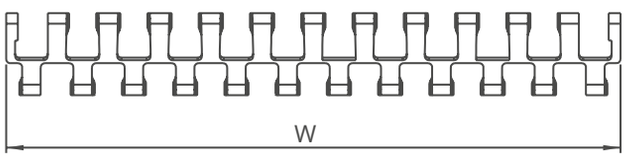
SM127 CRV / Technical Information

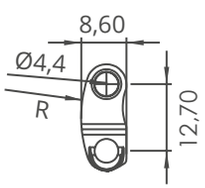
BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		°C / **°F** (min.)	°C/**°F** (max.)	Kg/m² / **lb/ft²**
	N/m	**lb/ft**	N/m	**lb/ft**			
Polypropylene	12845	**880**	-	-	+5 / **+41**	+90 / **+194**	4,4 / **0.91**
Polyethylene	-	**-**	-	-	-	-	-
Acetal	22475	**1540**	-	-	-43 / **-45.4**	+110 / **+230**	6,3 / **1.30**

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

SM127 CRV / Standard Belt Widths

BELT SERIES	WIDTH (W)				Belt With Tolerance (max.)
	PP		POM		
	mm	**inch**	mm	**inch**	
SM127 CRV	152,4	**6.00**	152,4	**6.00**	± 1 mm
SM127 CRV	228,6	**9.00**	228,6	**9.00**	± 1 mm
SM127 CRV	304,8	**12.00**	304,8	**12.00**	± 2 mm
SM127 CRV	381,0	**15.00**	381,0	**15.00**	± 2 mm
SM127 CRV	457,2	**18.00**	457,2	**18.00**	± 2 mm
SM127 CRV	533,4	**21.00**	533,4	**21.00**	± 2 mm
SM127 CRV	609,6	**24.00**	609,6	**24.00**	± 2 mm
SM127 CRV	685,8	**27.00**	685,8	**27.00**	± 2 mm
SM127 CRV	762,0	**30.00**	762,0	**30.00**	± 2 mm
SM127 CRV	838,2	**33.00**	838,2	**33.00**	± 3 mm
SM127 CRV	914,4	**36.00**	914,4	**36.00**	± 3 mm
SM127 CRV	990,6	**39.00**	990,6	**39.00**	± 3 mm
SM127 CRV	1066,8	**32.00**	1066,8	**32.00**	± 3 mm
SM127 CRV	1143,0	**45.00**	1143,0	**45.00**	± 3 mm
SM127 CRV	1219,2	**48.00**	1219,2	**48.00**	± 4 mm
SM127 CRV	1295,4	**51.00**	1295,4	**51.00**	± 4 mm



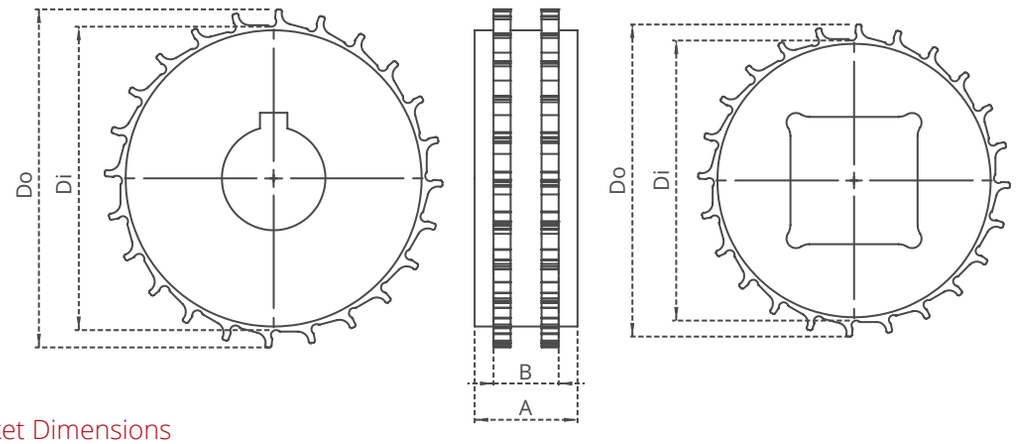


- Standard belt increments 76,2 mm.
- Non-standard belt increments 12,7 mm.
- Please contact with customer service for precise belt measurements.

SM127 Series *Sprockets and Technical Specifications*



Z23

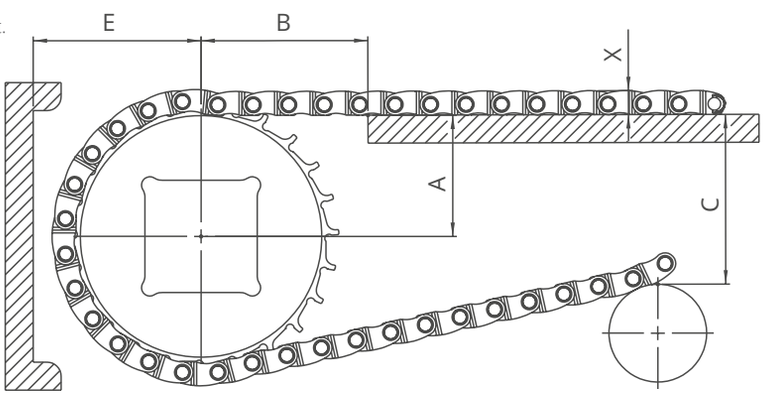


SM127 Series / Machined Sprocket Dimensions

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)
Z15	51,8 / **2.03**	61,9 / **2.44**	19 / **0.75**	30 / **1.18**	25 / **1**	25-30 / **1-1.25**	SM127SQZ15*POM	SM127SRZ15*POM
Z19	68,1 / **2.68**	78,2 / **3.08**	19 / **0.75**	30 / **1.18**	25-40 / **1-1.5**	25-30 / **1-1.25**	SM127SQZ19*POM	SM127SRZ19*POM
Z24	88,4 / **3.48**	98,5 / **3.88**	19 / **0.75**	30 / **1.18**	25-40 / **1-1.5**	25-30 / **1-1.25**	SM127SQZ24*POM	SM127SRZ24*POM
Z28	104,7 / **4.12**	114,7 / **4.52**	19 / **0.75**	30 / **1.18**	25-40 / **1-1.5**	25-30 / **1-1.25**	SM127SQZ28*POM	SM127SRZ28*POM
Z36	137,1 / **5.39**	147,1 / **5.79**	19 / **0.75**	30 / **1.18**	25-40 / **1-1.5**	25-30 / **1-1.25**	SM127SQZ36*POM	SM127SRZ36*POM

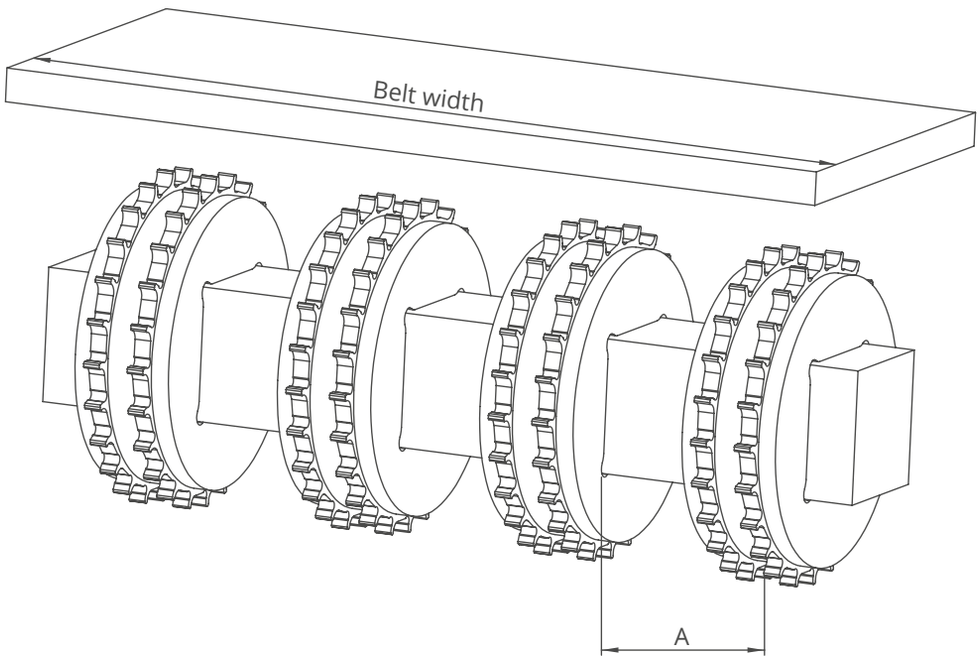
*All required sprockets produced by CNC.
*Other sprockets and hub sizes are manufactured up to request.
*POM (Acetal) and PA (Polyamide) sprockets raw material is available on request.
***Machined Split Sprockets are avaliable for each size.**

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



SM127 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
SM127 C, SM127 FG												
2.30	58,3	15	**1.10**	27,9	**1.19**	30.2	**1.89**	48.1	**1.49**	37,9	**0.30**	7,6
2.99	75,9	19	**1.39**	35,3	**1.54**	39.0	**2.58**	65.5	**1.84**	46,7	**0.30**	7,6
3.85	97,8	24	**1.76**	44,6	**1.96**	49.9	**3.41**	86.5	**2.27**	57,7	**0.30**	7,6
4.54	115,4	28	**2.05**	52,1	**2.31**	58.7	**4.06**	103.2	**2.62**	66,5	**0.30**	7,6
5.93	150,5	36	**2.63**	66,9	**3.00**	76.2	**5.48**	139.1	**3.31**	84,1	**0.30**	7,6
SM127 CRV												
2.30	58,3	15	**1.10**	27,9	**1.19**	30.2	**1.93**	49.1	**1.53**	38,9	**0.34**	8,6
2.99	75,9	19	**1.39**	35,3	**1.54**	39.0	**2.62**	66.5	**1.88**	47,7	**0.34**	8,6
3.85	97,8	24	**1.76**	44,6	**1.96**	49.9	**3.44**	87.5	**2.31**	58,7	**0.34**	8,6
4.54	115,4	28	**2.05**	52,1	**2.31**	58.7	**4.10**	104.2	**2.66**	67,5	**0.34**	8,6
5.93	150,5	36	**2.63**	66,9	**3.00**	76.2	**5.52**	140.1	**3.35**	85,1	**0.34**	8,6



SM127 Series / Sprockets Arrangement

Standard Belt Width		Number of sprockets per shaft		A (mm/**inch**)	
mm	**inch**	Drive Shaft	Return Shaft	Min.	Max.
152,4	**6.0**	2	2	60/**2.36**	170/**6.6**
228,6	**9.0**	2	2	60/**2.36**	170/**6.6**
304,8	**12.0**	3	2	60/**2.36**	170/**6.6**
381,0	**15.0**	4	3	60/**2.36**	170/**6.6**
457,2	**18.0**	5	3	60/**2.36**	170/**6.6**
533,4	**21.0**	5	3	60/**2.36**	170/**6.6**
609,6	**24.0**	6	3	60/**2.36**	170/**6.6**
685,8	**27.0**	6	4	60/**2.36**	170/**6.6**
762,0	**30.0**	7	4	60/**2.36**	170/**6.6**
838,2	**33.0**	7	4	60/**2.36**	170/**6.6**
914,4	**36.0**	8	4	60/**2.36**	170/**6.6**
990,6	**39.0**	8	5	60/**2.36**	170/**6.6**
1066,8	**42.0**	9	5	60/**2.36**	170/**6.6**
1143,0	**45.0**	9	5	60/**2.36**	170/**6.6**
1219,2	**48.0**	10	5	60/**2.36**	170/**6.6**
1295,4	**51.0**	10	6	60/**2.36**	170/**6.6**
1371,6	**54.0**	11	7	60/**2.36**	170/**6.6**
1447,8	**57.0**	11	7	60/**2.36**	170/**6.6**
1524,0	**60.0**	12	7	60/**2.36**	170/**6.6**
1600,2	**63.0**	12	8	60/**2.36**	170/**6.6**
1676,4	**66.0**	12	8	60/**2.36**	170/**6.6**
1752,6	**69.0**	13	8	60/**2.36**	170/**6.6**
1828,8	**72.0**	14	9	60/**2.36**	170/**6.6**
1905,0	**75.0**	14	9	60/**2.36**	170/**6.6**
1981,2	**78.0**	15	10	60/**2.36**	170/**6.6**
2057,4	**81.0**	15	10	60/**2.36**	170/**6.6**

Note: Number of sprockets depends on the belt load.