



SM127 C

Modular Belt Series

- **Bakery Applications**

Raw 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

- **Tire Manufacturing Applications**

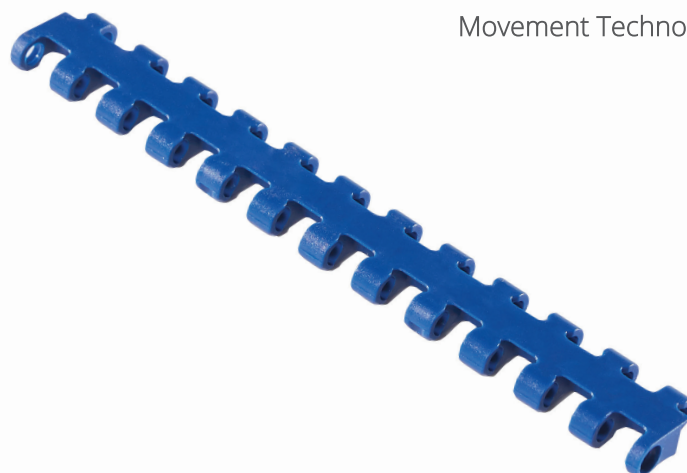
Scalling, Marking, Sciver Cementing, Water Blow - Off,

Tire Transport Horizontal

SM127 C



MODUTECH[®]
Movement Technologies



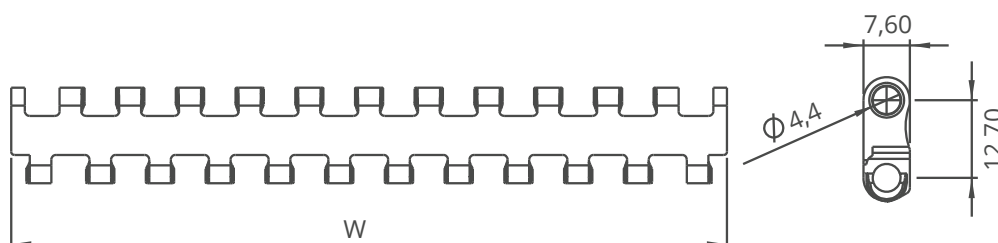
Pitch:	12,7 mm / 0.5 inch
Belt Surface:	Close, Smooth Surface
Minimum Width:	152,4 mm / 6.00 inch
Open Area (%):	0%
Flight:	No
Sidewall:	No
Pin:	Ø4,4mm / 0.173 inch - Self Lock
Approved:	FDA and EU
Color:	Blue / White / Gray
Cleanability:	Excellent
Belt Thickness:	7,6 mm / 0.3 inch

SM127 C Technical Information

Belt Material		POM	POM	POM	PP	PP
Pin Material		PA	POM	PP	PP	POM
Belt Strength	N/m lb/ft	22475 - 1540	22475 - 1540	22475 - 1540	12845 - 880	12845 - 880
Temperature	°C °F	-40 / +93 -40 / +200	-40 / +93 -40 / +200	+5 / +93 +40 / +200	+5 / +105 +40 / +220	+5 / +93 +40 / +200
Belt Weight	kg/m ² lb/sqft ²	6.2 / 1.27	6.2 / 1.27	6.2 / 1.27	4.3 / 0.88	4.3 / 0.88

Diameter of idling rollers (min.)		Diameter of support rollers (min.)		Diameter for gravity take up center drive 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
19	0.75	50	2	75	3	-	-	-	-

Belt Width mm	152,4	228,6	304,8	381,0	457,20	533,4	609,6	685,8	762,0	838,2	914,4	990,6	1066,8	1143,0	1219,2	1295,4	1371,6
Belt Width inch	6.00	9.00	12.00	15.00	18.00	21.00	24.00	27.00	30.00	33.00	36.00	39.00	42.00	45.00	48.00	51.00	54.00
Belt Width mm	1447,8	1524,0	1600,2														
Belt Width inch	57.00	60.00	63.00														



Product Features and Functional Benefits

- Less vibration in high speed and nosebar applications.
- Wear resistance in high speed applications with tight transfer.
- Unique sprocket engagement reduces pulsation.
- Tight transfer applications.
- Tight transfer and high speed conveyors.

Important Notes

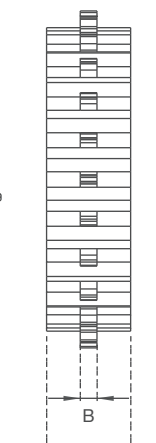
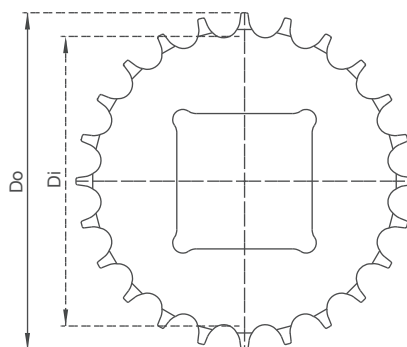
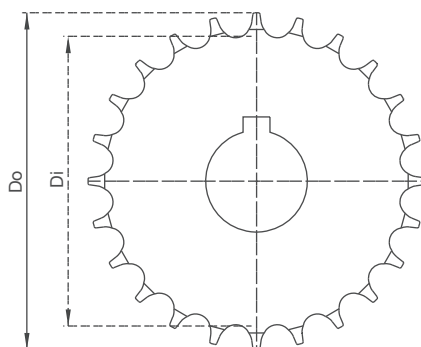
- **Standard belt increments 76,2 mm.**
- **Non-standard belt increments 12,7 mm.**
- Please contact with customer service for precise belt measurements.
- Special raw materials and additional colors available.

SM127 Series

Sprockets and Technical Specifications



Z24



SM127 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)
Z15	50,1 / 1.97	63,5 / 2.50	5 / 0.19	25 / 0.98	25	1	25-30	1-1.25	SM127SQZ15*POM	SM127SRZ15*POM
Z19	66,1 / 2.60	79,8 / 3.14	5 / 0.19	25 / 0.98	25	1	25-30	1-1.25	SM127SQZ19*POM	SM127SRZ19*POM
Z24	86,1 / 3.39	100,1 / 3.94	5 / 0.19	25 / 0.98	25-40	1-1.5	25-30	1-1.25	SM127SQZ24*POM	SM127SRZ24*POM
Z28	102,2 / 4.02	116,3 / 4.58	5 / 0.19	25 / 0.98	25-40	1-1.5	25-30	1-1.25	SM127SQZ28*POM	SM127SRZ28*POM
Z36	134,0 / 5.28	148,6 / 5.85	5 / 0.19	25 / 0.98	25-40	1-1.5	25-30	1-1.25	SM127SQZ36*POM	SM127SRZ36*POM

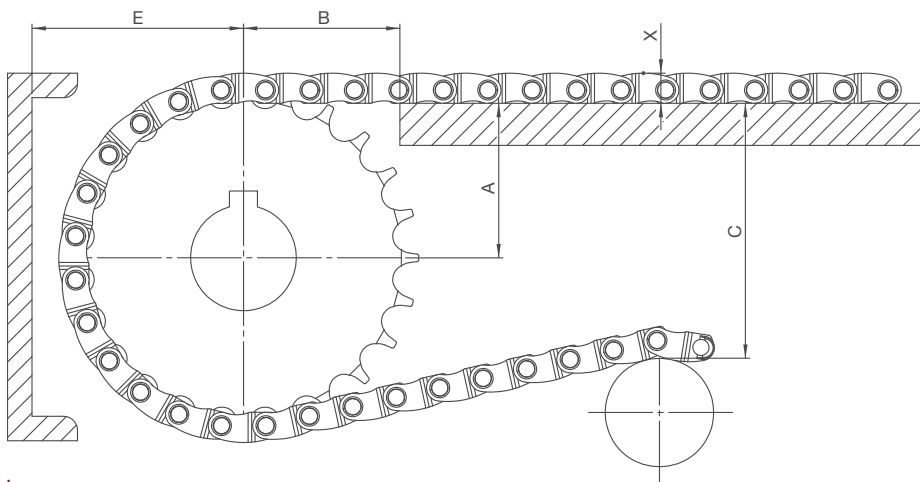
*All required sprockets produced by CNC. *Other sprockets and hub sizes are manufactured up to request.

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

*Machined Split Sprockets are available for each size.

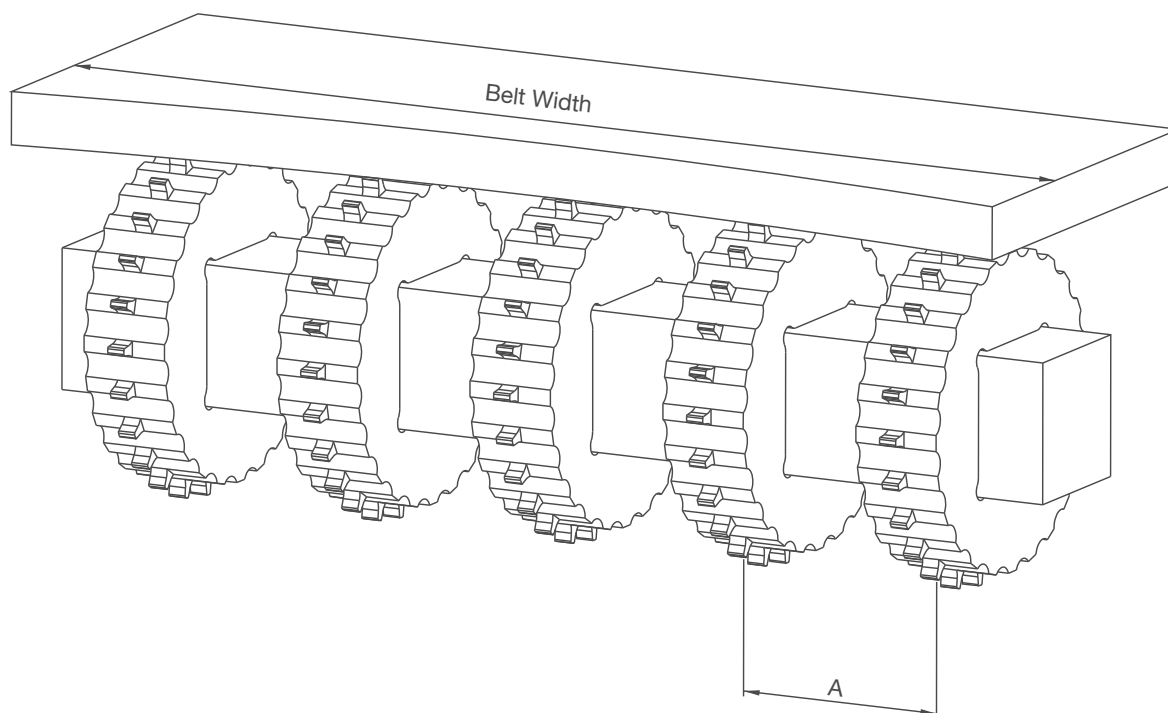
A - $\pm 0,031"$ (1mm)
B - $\pm 0,125"$ (3mm)

C - $\pm$ (Max.)
E - $\pm$ (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	58,5	15	1.01	25,7	1.19	30,2	1.89	48,1	1.49	38,1	0.30	7,6
2.95	74,9	19	1.33	33,9	1.52	38,5	2.58	65,5	1.84	46,3	0.30	7,6
3.73	94,7	24	1.72	43,8	1.91	48,4	3.41	86,5	2.27	56,2	0.30	7,6
4.37	111	28	2.04	51,9	2.23	56,6	4.06	103,2	2.62	64,4	0.30	7,6
5.61	142,5	36	2.67	67,7	2.85	72,3	5.48	139,1	3.31	75,1	0.30	7,6
SM127 CRV												
2.30	58,5	15	1.01	25,7	1.19	30,2	1.93	49,1	1.54	39,1	0.34	8,6
2.95	74,9	19	1.33	33,9	1.52	38,5	2.62	66,5	1.86	47,3	0.34	8,6
3.73	94,7	24	1.72	43,8	1.91	48,4	3.44	87,5	2.25	57,2	0.34	8,6
4.37	111	28	2.04	51,9	2.23	56,6	4.10	104,2	2.57	65,2	0.34	8,6
5.61	142,5	36	2.67	67,7	2.85	72,3	5.52	140,1	3.00	76,1	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.