



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**

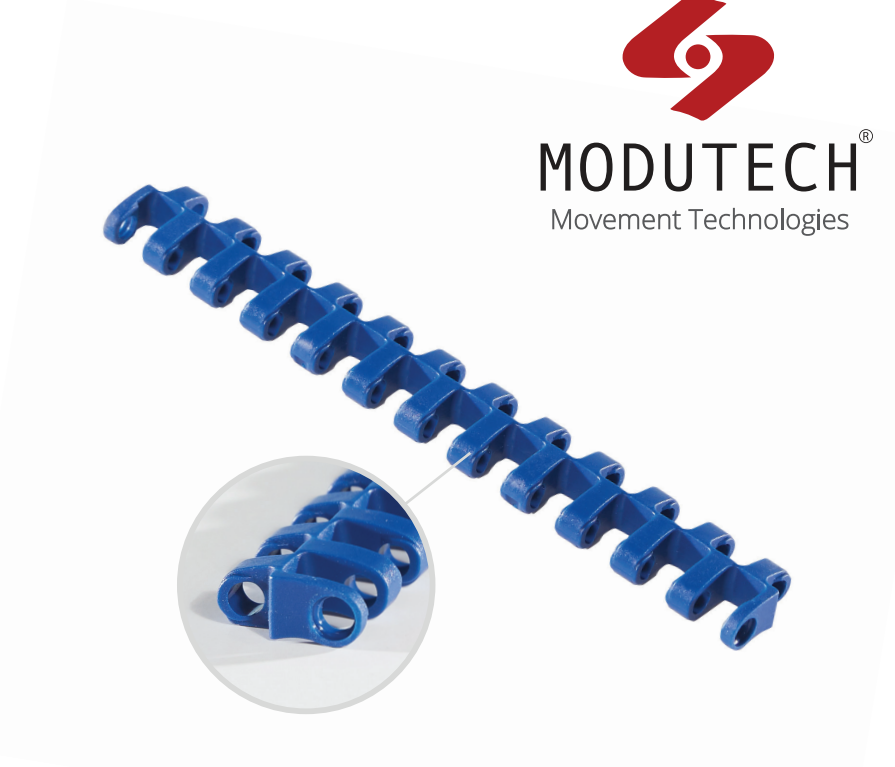
Check Weighs, Filling, Metal Detector, Palletizing-Depalletizing, Box Transport Horizontal



MODUTECH[®]
Movement Technologies

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
Pin:	Ø4,4mm / 0.173 inch - Self Lock
Approved:	FDA and EU
Color:	Blue / White / Gray
Cleanability:	Excellent
Belt Thickness:	8,6 mm / 0.338 inch

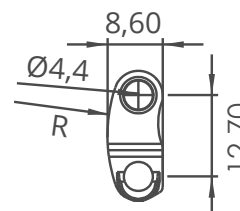
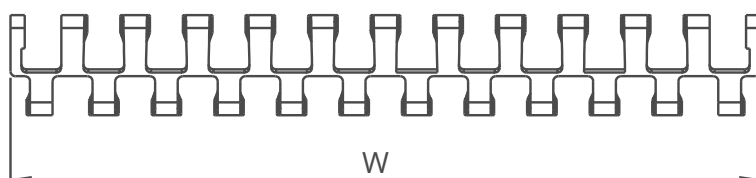


SM127 CRV Technical Information

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	6.3 / 1.30	6.3 / 1.30	6.3 / 1.30	4.4 / 0.91	4.4 / 0.91

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

- 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.
- Less vibration in high speed and nosebar applications.

Important Notes

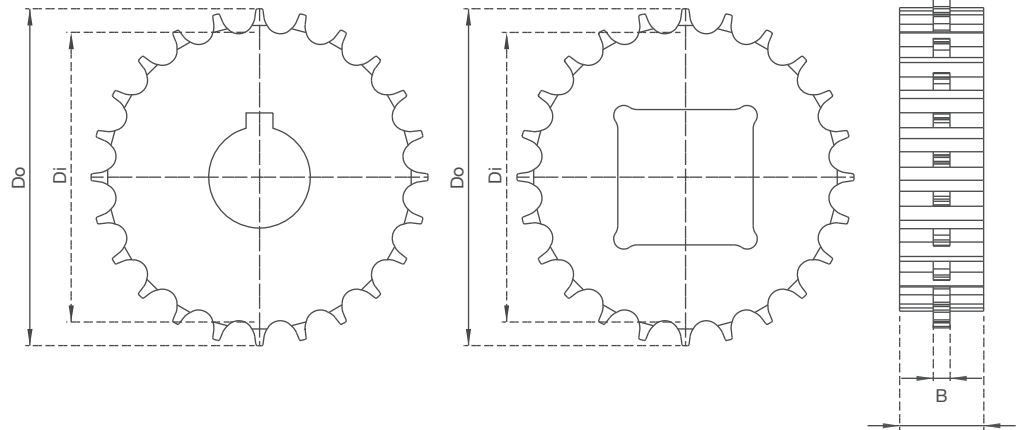
- **Standard belt width increment: 76,2 mm / 3 inch**
- **Non-standard belt width increment: 12,7 mm / 0,5 inch**
- Please contact with customer service for precise belt measurements.
- Special raw materials and additional colors available.

SM127 Series

Sprockets and Technical Specifications



Z24



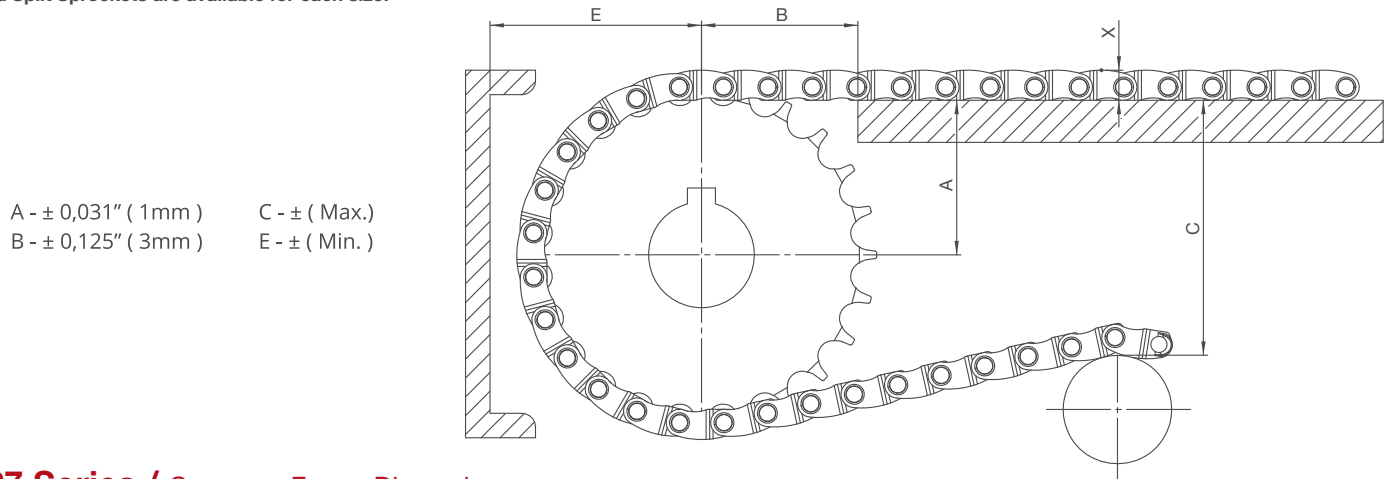
SM127 Series / Machined Sprockets Dimensions

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.

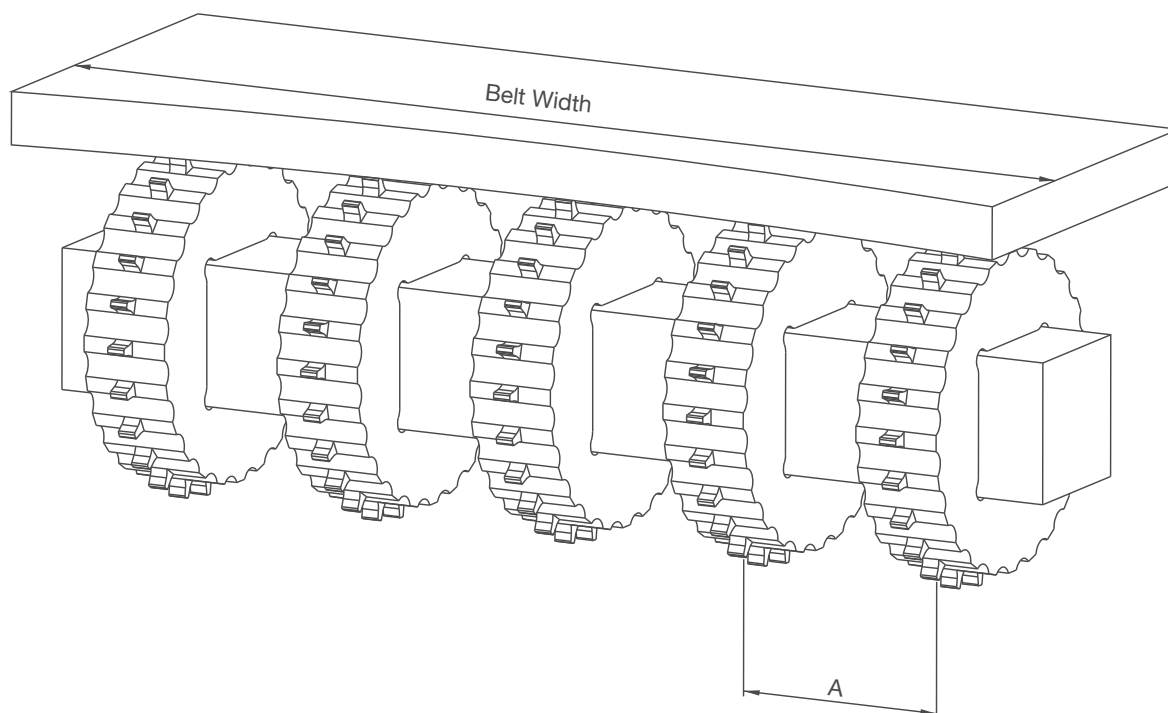
*POM (Acetal) and PA (Polyamide) sprockets raw material is available on request.

*Machined Split Sprockets are available for each size.



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.