



SM254 FG50%

Modular Belt Series

Bakery Applications
Including Oven Infeed - Outfeed,
Cooling Lines



MODUTECH[®]
Movement Technologies

SM254 FG50%

Pitch:	25,4 mm / 1 inch
Belt Surface:	Open, Smooth Surface
Minimum Width:	152,40 mm / 6 inch
Open Area (%):	50%.
Flight:	Yes
Sidewall:	Yes
Pin:	Ø5 mm / 0.197 inch - Self Lock
Approved:	FDA and EU
Color:	Blue
Cleanability:	Good
Belt Thickness:	8,8 mm / 0.346 inch



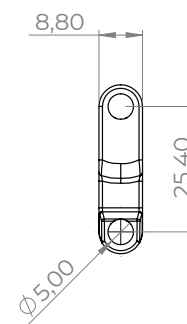
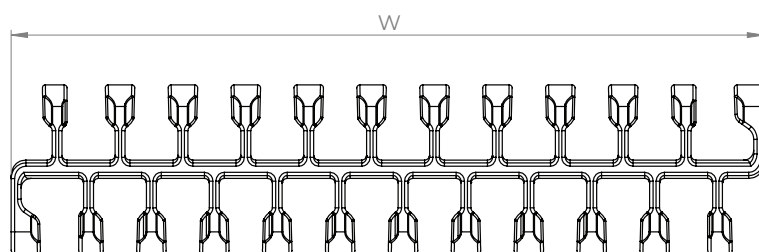
SM254 FG50% Technical Information

Belt Material		PA6
Pin Material		PA6
Belt Strength	N/m lb/ft	13000 - 890
Temperature	°C °F	-46 / +116 -50 / +240
Belt Weight	kg/m ² lb/sqft ²	3,7 / 0.76



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
50	2	50	2	100	4	150	6	-	-

Belt Width mm	76,2	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	1447,8
Belt Width inch	3.00	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	57.00
Belt Width mm	1524,0	1600,2																	
Belt Width inch	60.00	63.00																	



Product Features and Functional Benefits

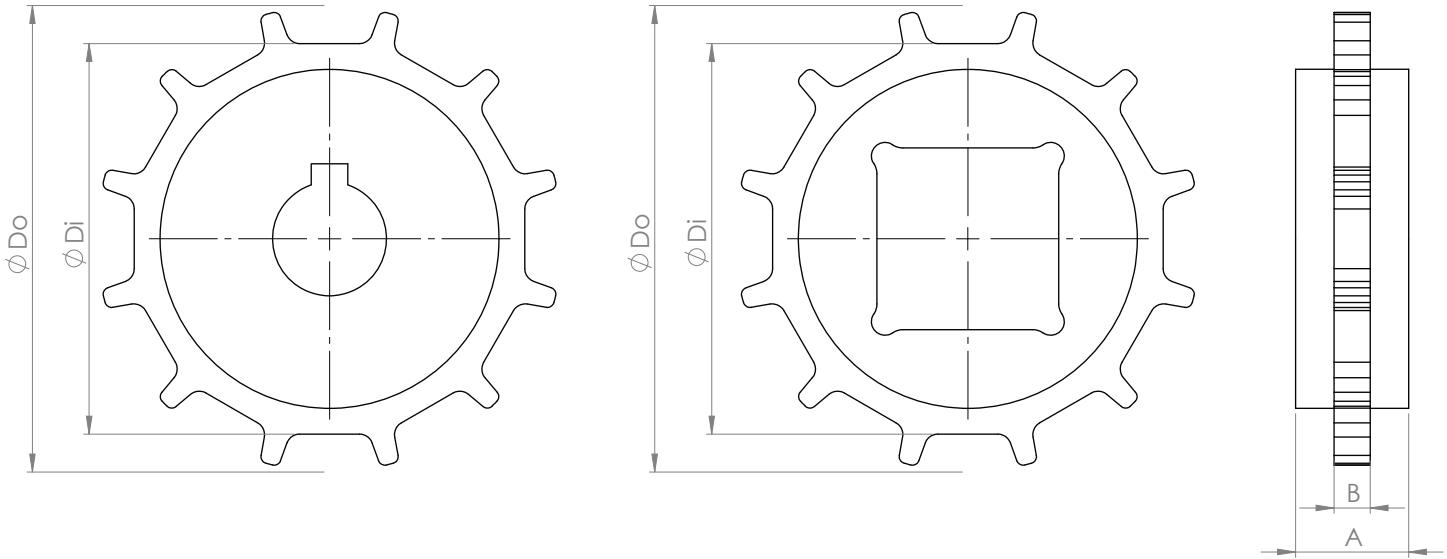
- Belt provides optimal open area for drainage and airflow.
- Less friction and product contact for easy cooking, cooling and freezing of products.
- Reduced dirt and oxide buildup thanks to the self-cleaning surface.
- Bi-directional belt for long conveyors.
- Easy-to-clean, reduces cleaning time and associated downtime by up to 70%
- Halogen free.
- Flame Retardant.

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.
- Physical belt widths are generally 0.1% to 0.3% smaller.

SM254FG50 Series

Sprockets and Technical Specifications



SM254FG50 Series / Machined Sprocket Dimensions

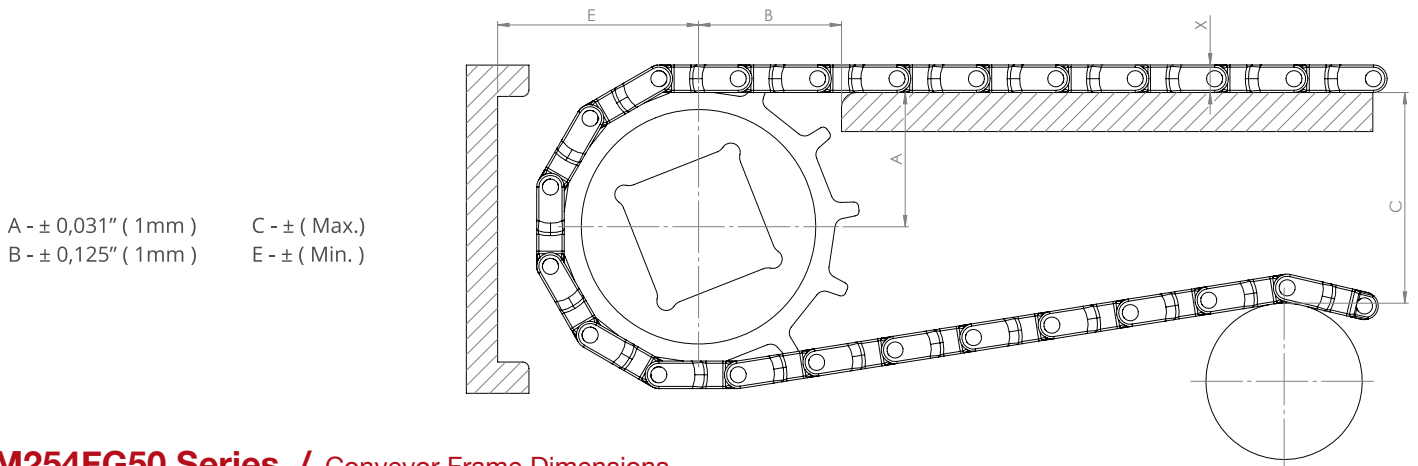
NO. TEETH	Di mm/inch	Do mm/inch	A mm/inch	B mm/inch	Square Bore (Q)		Round Bore (R)		PRODUCT CODE	
					mm	inch	mm	inch	Square Type (Q)	Round Type (R)
Z10	69,77 / 2.75	86,57 / 3.41	25,00 / 0.98	8,00 / 0.31	25	1	25	1	SM254FG50SQZ10*POM	SM254FG50SRZ10*POM
Z12	86,39 / 3.40	103,19 / 4.06	25,00 / 0.98	8,00 / 0.31	25 to 40	1 to 1.5	25 to 30	1 to 1.25	SM254FG50SQZ12*POM	SM254FG50SRZ12*POM
Z16	119,29 / 4.70	136,09 / 5.36	25,00 / 0.98	8,00 / 0.31	25 to 40	1 to 1.5	25 to 30	1 to 1.25	SM254FG50SQZ16*POM	SM254FG50SRZ16*POM
Z20	151,97 / 5.98	168,77 / 6.64	25,00 / 0.98	8,00 / 0.31	25 to 40	1.5 to 2.5	25 to 30	1 to 1.25	SM254FG50SQZ20*POM	SM254FG50SRZ20*POM

*All required sprockets machined by CNC.

*Other sprockets and hub sizes are manufactured on request.

*PA (Polyamide) sprockets are available on request.

*Machined Split Sprockets are available on request.



A - $\pm 0,031''$ (1mm) C - $\pm$ (Max.)

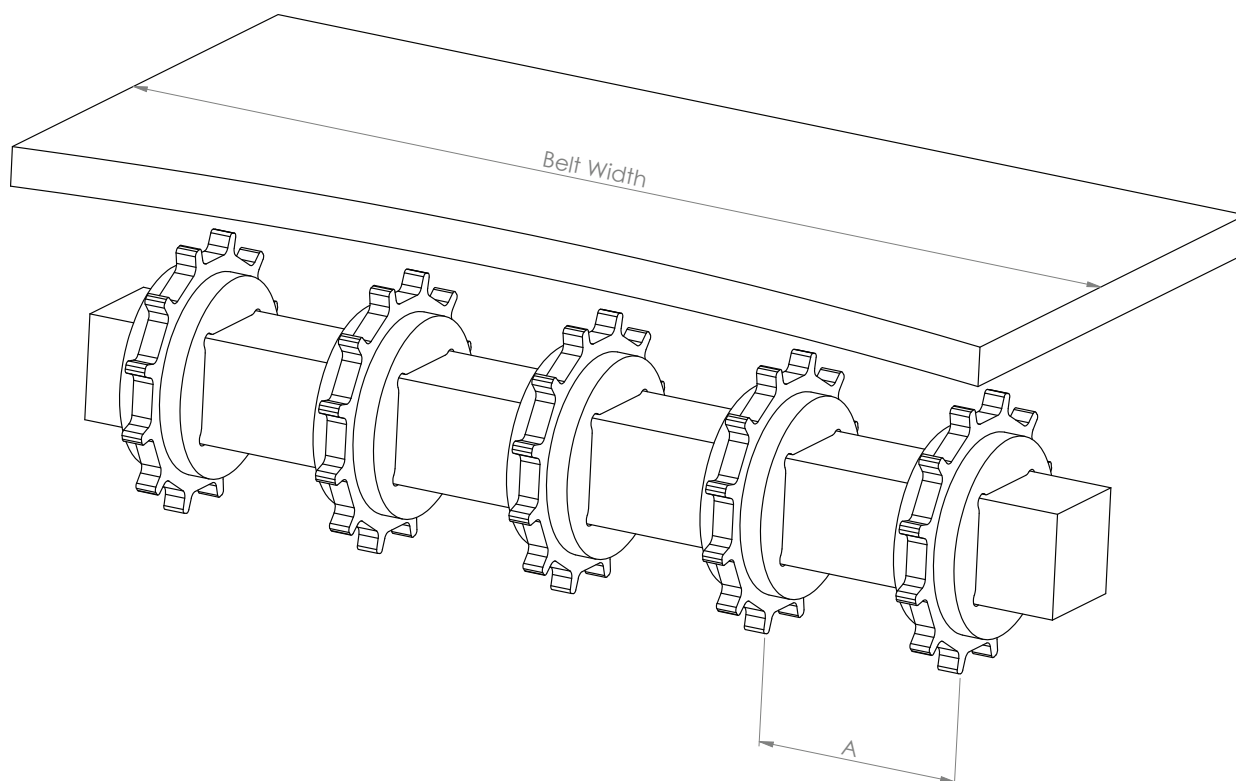
B - $\pm 0,125''$ (1mm) E - $\pm$ (Min.)

SM254FG50 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								
SM254FG50												
2.99	75,95	10	1.44	36,69	1.73	44,00	2.50	63,5	2.18	55,49	0.35	8,8
3.64	92,57	12	1.77	48,65	1.93	48,90	3.13	79,5	2.51	63,80	0.35	8,8
4.94	125,47	16	2.42	61,45	2.04	51,73	4.37	111,1	3.16	80,25	0.35	8,8
6.23	158,15	20	3.06	77,79	2.54	64,47	5.59	142,0	3.80	96,59	0.35	8,8

SM254FG50 Series

Engineering Information



SM254FG50 Series / Sprockets Arrangement

Standard Belt Width		Number of sprockets per shaft	Number of wearstrips		A (mm/inch)	
mm	inch		Carryway	Returnway	Min.	Max.
152,4	6	2	2	2	60 / 2.36	150 / 5.9
228,6	9	2	2	2	60 / 2.36	150 / 5.9
304,8	12	3	3	2	60 / 2.36	150 / 5.9
381,0	15	3	3	2	60 / 2.36	150 / 5.9
457,2	18	4	4	2	60 / 2.36	150 / 5.9
533,4	21	4	4	2	60 / 2.36	150 / 5.9
609,6	24	5	5	3	60 / 2.36	150 / 5.9
685,8	27	5	5	3	60 / 2.36	150 / 5.9
762,0	30	6	6	3	60 / 2.36	150 / 5.9
838,2	33	6	6	3	60 / 2.36	150 / 5.9
914,4	36	7	7	4	60 / 2.36	150 / 5.9
990,6	39	7	7	4	60 / 2.36	150 / 5.9
1066,8	42	8	8	4	60 / 2.36	150 / 5.9
1143,0	45	9	8	4	60 / 2.36	150 / 5.9
1219,2	48	9	9	4	60 / 2.36	150 / 5.9
1295,4	51	11	10	5	60 / 2.36	150 / 5.9
1371,6	54	11	10	5	60 / 2.36	150 / 5.9
1447,8	57	11	12	6	60 / 2.36	150 / 5.9
1524,0	60	13	12	6	60 / 2.36	150 / 5.9
1600,2	63	13	14	7	60 / 2.36	150 / 5.9

Note:

*Number of sprockets depends on the belt load.