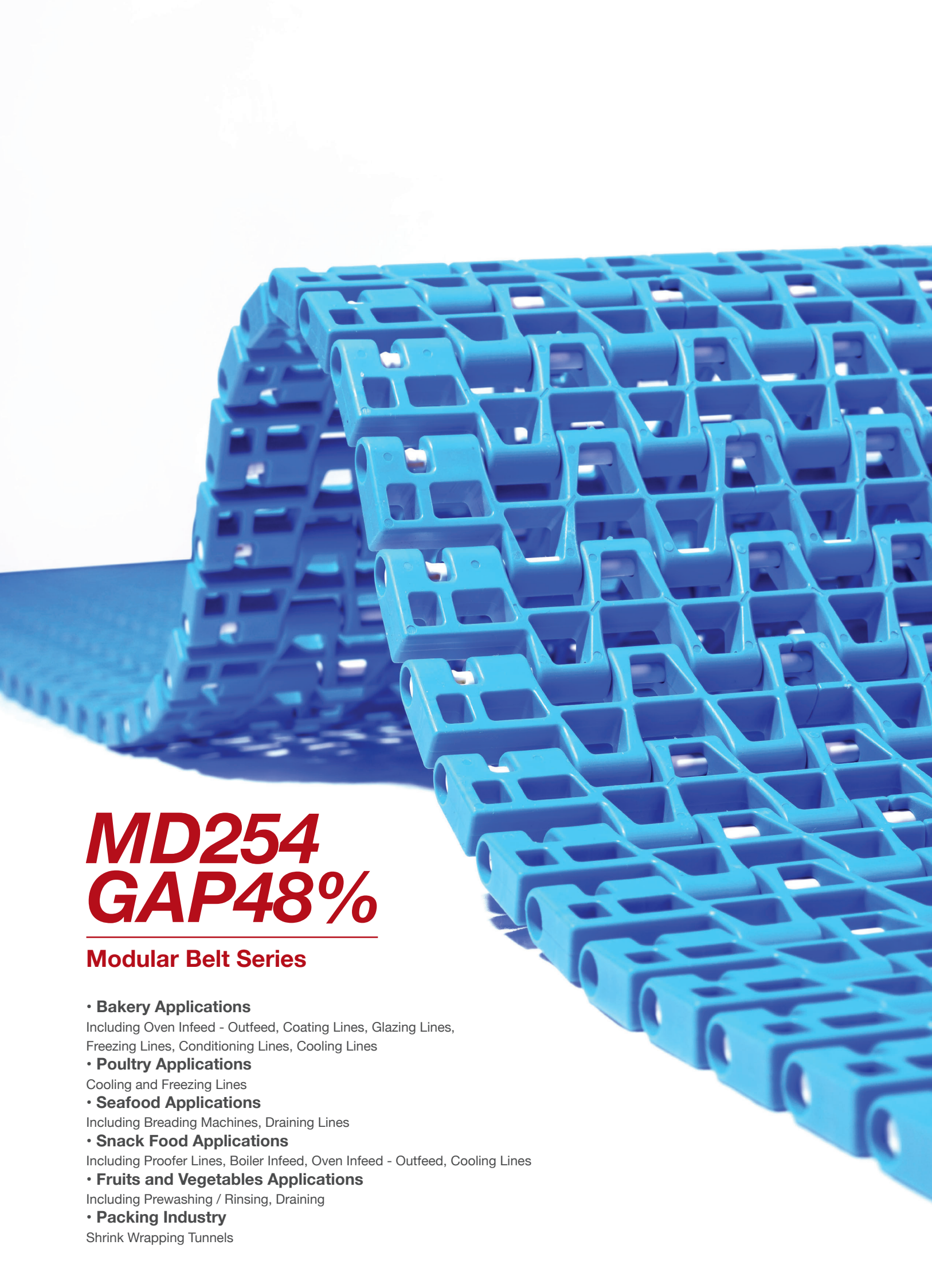




MD254 GAP48%

Modular Belt Series

- **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 Breeding 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**

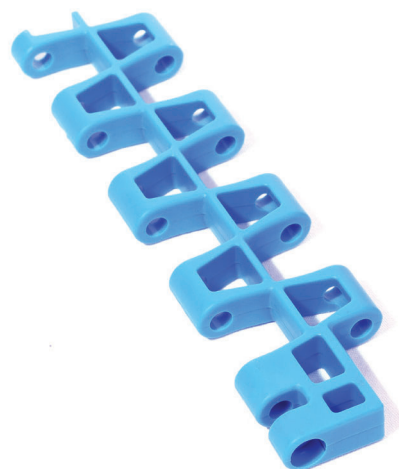
Shrink Wrapping Tunnels



MODUTECH[®]
Movement Technologies

MD254 GAP48%

Pitch:	25,7 mm / 1 inch
Belt Surface:	Open, Smooth Surface
Minimum Width:	203,2 mm / 8 inch
Open Area (%):	48%. (Biggest opening 9 x 13,5 mm and 6 x 16,5 mm)
Flight:	Yes
Sidewall:	No
Pin:	Ø 5 mm / 0.197 inch - Self Lock
Approved:	FDA and EU
Color:	Blue / White
Cleanability:	Excellent
Belt Thickness:	11 mm / 0.433 inch

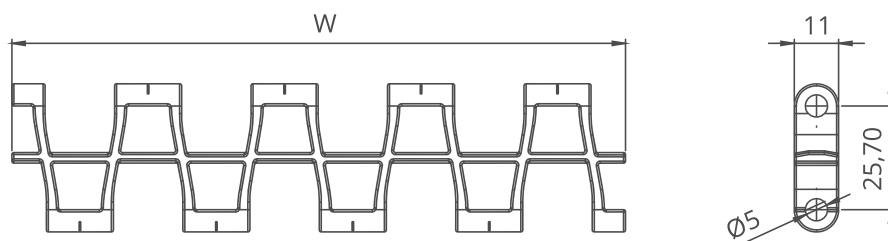


MD254 GAP48% Technical Information

Belt Material		POM	POM	POM	PP	PP	PA
Pin Material		PA	POM	PP	PP	POM	PA
Belt Strength	N/m lb/ft	15500 - 1062	15500 - 1062	15500 - 1062	9500 - 651	11000 - 754	15500 - 1062
Temperature	°C °F	-40 / +93 -40 / +200	-40 / +93 -40 / +200	+5 / +93 +40 / +200	+5 / +105 +40 / +220	+5 / +93 +40 / +200	-46 / +130 -50 / +266
Belt Weight	kg/m ² lb/sqft ²	6.4 / 1.31	6.4 / 1.31	6.4 / 1.31	4.2 / 0.85	4.2 / 0.85	5.6 / 1.15

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	203,2	237,0	270,8	304,6	338,4	372,2	406,0	439,8	450,0	507,4	541,2	575,0	608,8	642,6	676,4	710,2	811,6
Belt Width inch	8.00	9.33	10.66	11.99	13.32	14.65	15.98	17.31	18.65	19.98	21.31	22.64	23.97	25.30	26.63	27.96	31.95
Belt Width mm	845,4	879,2															
Belt Width inch	33.28	34.61															



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 70%.
- Stainless steel pins option reduce belt elongation for high temperature application.

Important Notes

- **Standard belt increments 33,8 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.
- For PP material up to 750 mm (30") -3 mm to 0 mm and -0.4% to 0% for wider belts.
- For POM material up to 750 mm (30") -3 mm to 0 mm and -0.4% to 0% for wider belts.

MD254 Series

Sprockets and Technical Specifications



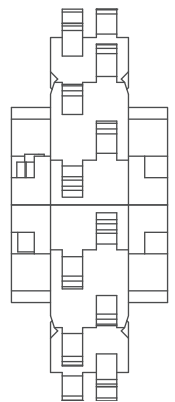
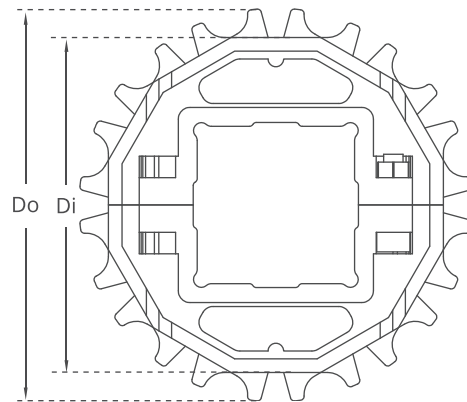
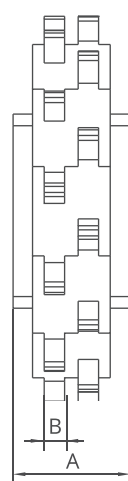
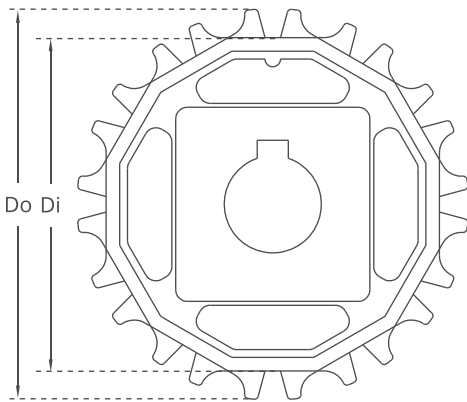
Z15



Z8



Z12-EHT



Split molded sprockets are available for the products with "Red" font color.

MD254 C Series / Moulded 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)
Z8*	52,0 / 2.05	67,0 / 2.64	5,3 / 0.21	30,0 / 1.18	25	1	25	1	MD-TR254SQZ8*POM	MD-TR254SRZ8*POM
Z10*	69,0 / 2.72	84,0 / 3.31	5,3 / 0.21	30,0 / 1.18	40	1.5	25-30	1-1.25	MD-TR254SQZ10*POM	MD-TR254SRZ10*POM
Z12*	85,8 / 3.38	100,8 / 3.97	5,3 / 0.21	30,0 / 1.18	40	1.5	25-30-35	1-1.25	MD-TR254SQZ12*POM	MD-TR254SRZ12*POM
Z15*	110,8 / 4.36	125,8 / 4.95	5,3 / 0.21	30,0 / 1.18	40	1.5	25-30	1-1.25	MD-TR254SQZ15*POM	MD-TR254SRZ15*POM
Z16	119,1 / 4.69	134,1 / 5.28	5,3 / 0.21	30,0 / 1.18	40	1.5	25-30	1-1.25	MD-TR254SQZ16*POM	MD-TR254SRZ16*POM
Z18*	135,6 / 5.34	150,6 / 5.93	5,3 / 0.21	30,0 / 1.18	40	1.5	25-30-35	1-1.25	MD-TR254SQZ18*POM	MD-TR254SRZ18*POM
Z20	152,0 / 5.98	167,1 / 6.58	5,3 / 0.21	30,0 / 1.18	40	1.5	25-30	1-1.25	MD-TR254SQZ20*POM	MD-TR254SRZ20*POM

*Other sprockets and hub sizes are manufactured up to request. *PA (Polyamide) and PP (Polypropylene) sprockets raw material is available on request.

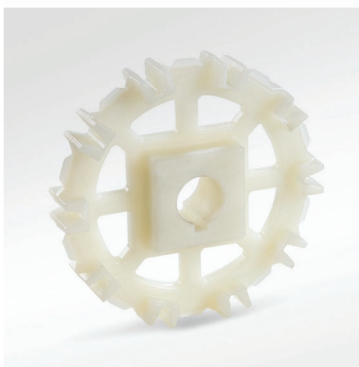
*Machined Split Sprockets are available for each size.



Clamp



Machined Split Sprocket



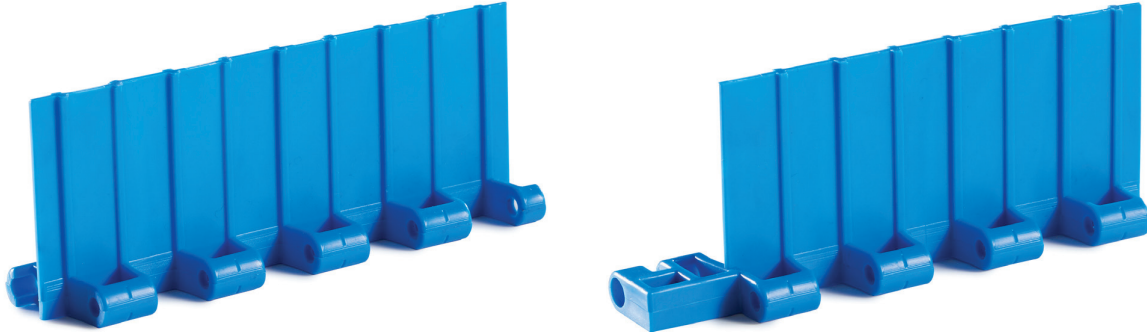
Moulded Sprocket



Machined Sprocket

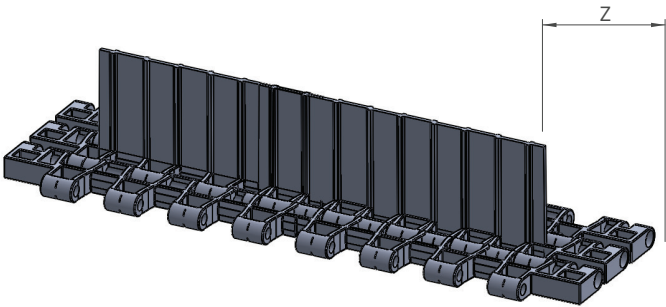
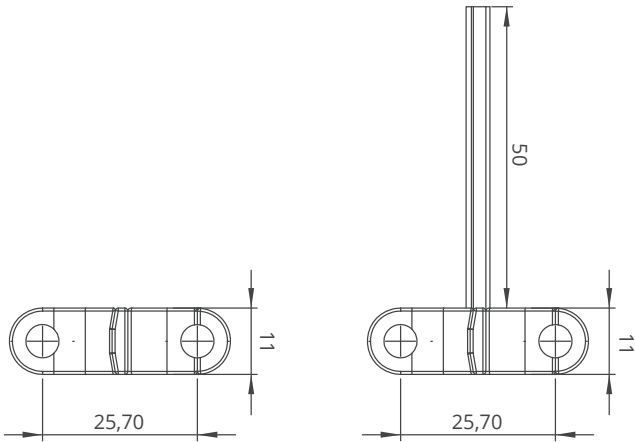
MD254 GAP48% Series

Engineering Information



MD254 GAP48% Series / Flight Dimensions

MD254 GAP48% Series / Flights				
PRODUCT CODE	Flight Height (mm/inch)	Flight Width (mm/inch)	PRODUCT CODE	Sidewall Height (mm/inch)
MD254G48T50	50 / 2	152 / 6	-	-



MD254 GAP48% Series / Flight Technical Specifications

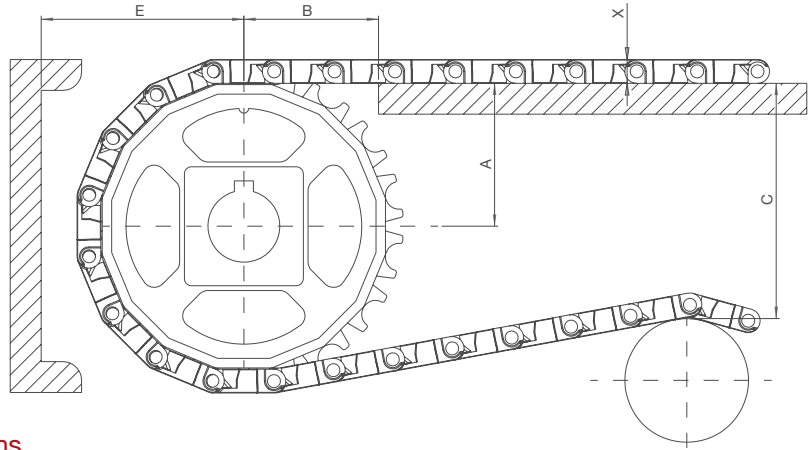
Possible Flight Indents for MD254GAP48% Series	Z	
	mm	inch
Standard, no module cutting	27,8	1.09
Non-Standard, module cutting	34,1	1.34
Non-Standard, module cutting	67,9	2.67
Non-Standard, module cutting	101,7	4.00

*Non-standard flight indent is on request.

MD254 Series

Engineering Information

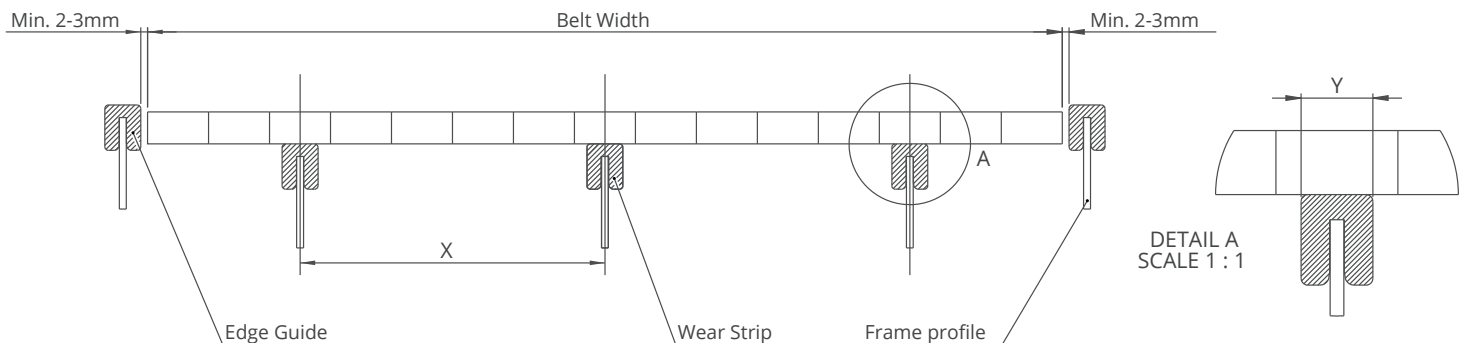
A - $\pm 0,031"$ (1mm) C - $\pm$ (Max.)
 B - $\pm 0,125"$ (3mm) E - $\pm$ (Min.)



MD254 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								
MD254 FG, MD254 C, MD254 GAP48%												
2.38	60,5	8	1.15	29,2	1.55	39,4	1.95	49,5	1.94	49,2	0.39	10,0
3.07	78,0	10	1.46	37,1	1.77	45,0	2.60	66,1	2.25	57,1	0.39	10,0
3.74	95,0	12	1.76	44,8	1.97	50,1	3.24	82,3	2.55	64,8	0.39	10,0
4.70	119,5	15	2.22	56,4	2.23	56,7	4.18	106,1	3.01	76,4	0.39	10,0
5.02	127,5	16	2.37	60,2	2.38	60,5	4.46	113,2	3.21	81,5	0.39	10,0
5.71	145,0	18	2.73	69,3	2.45	62,3	5.19	131,8	3.51	89,3	0.39	10,0
6.46	164,0	20	3.03	77,0	2.64	67,0	5.82	148,0	3.86	98,0	0.39	10,0
MD254 RR, MD254 GT												
2.38	60,5	8	1.15	29,2	1.55	39,4	1.95	49,5	2.18	55,4	0.64	16,3
3.07	78,0	10	1.46	37,1	1.77	45,0	2.60	66,1	2.48	63,1	0.64	16,3
3.74	95,0	12	1.76	44,8	1.97	50,1	3.24	82,3	2.79	70,9	0.64	16,3
4.70	119,5	15	2.22	56,4	2.23	56,7	4.18	106,1	3.25	82,7	0.64	16,3
5.02	127,5	16	2.37	60,2	2.38	60,5	4.46	113,2	3.46	87,8	0.64	16,3
5.71	145,0	18	2.73	69,3	2.45	62,3	5.19	131,8	3.76	95,5	0.64	16,3
6.46	164,0	20	3.03	77,0	2.64	67,0	5.82	148,0	4.10	104,5	0.64	16,3
MD254 FG-RT, MD254 C-RT												
2.38	60,5	8	0.99	25,2	1.55	39,4	1.79	45,5	2.09	53,2	0.71	18,0
3.07	78,0	10	1.30	33,1	1.77	45,0	2.44	62,1	2.41	61,1	0.71	18,0
3.74	95,0	12	1.61	40,8	1.97	50,1	3.08	78,3	2.71	68,8	0.71	18,0
4.70	119,5	15	2.06	52,4	2.23	56,7	4.02	102,1	3.17	80,4	0.71	18,0
5.02	127,5	16	2.21	56,2	2.38	60,5	4.30	109,2	3.37	85,5	0.71	18,0
5.71	145,0	18	2.57	65,3	2.45	62,3	5.03	127,8	3.67	93,3	0.71	18,0
6.46	164,0	20	2.87	73,0	2.64	67,0	5.66	144,0	4.01	102,0	0.71	18,0

MD254 Series / Slider Support System For Straight Running Belts



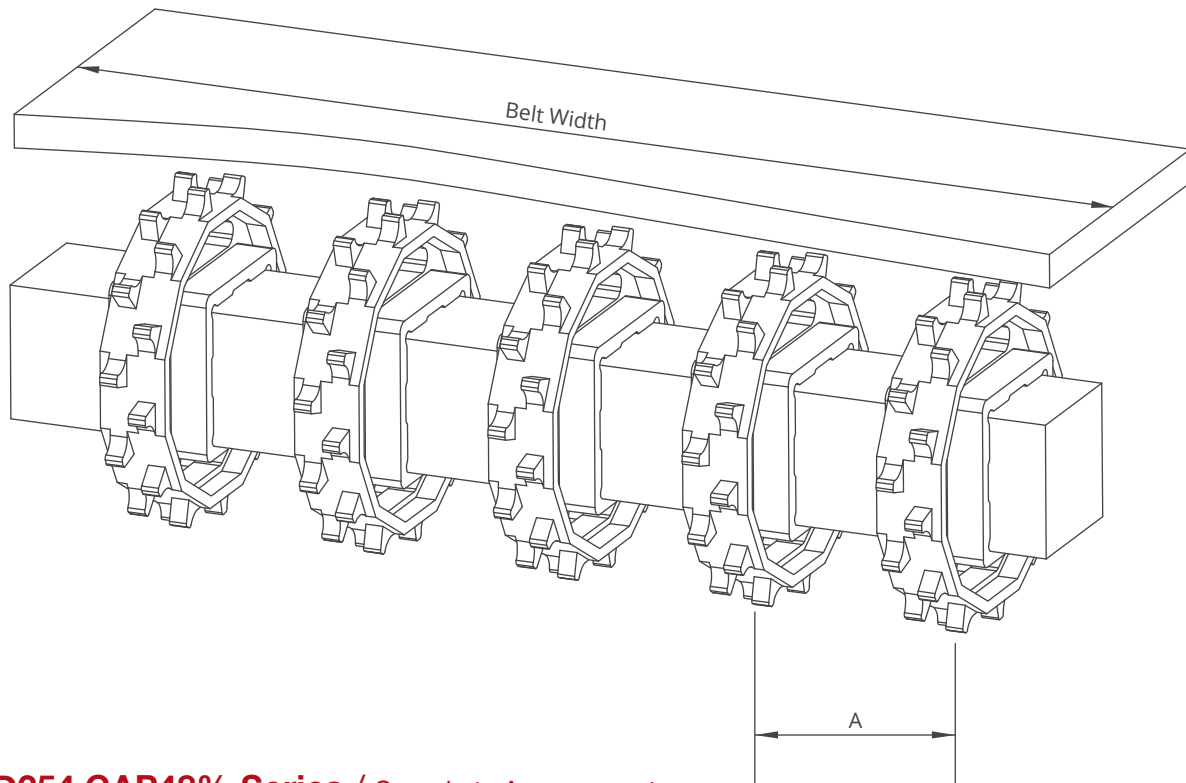
Note: The distances between the carryway wear strips (X) may be changed to due to operation conditions and transported load. In general, we recommend;

100-200mm for 2" belts
100-145mm for 1"belts
100-145mm for 0,5" belts
70-120mm for 0,3" belts

For specific applications, please contact with Modutech representatives.

MD254 GAP48% Series

Engineering Information



MD254 GAP48% Series / Sprockets Arrangement

Standard Belt Width		Number of sprockets per shaft		A (mm/inch)	
mm	inch	Drive Shaft	Return Shaft	Min.	Max.
203,2	8.0	2	2	60/2.36	170/6.6
237,0	9.3	2	2	60/2.36	170/6.6
270,8	10.7	2	2	60/2.36	170/6.6
304,6	12.0	3	2	60/2.36	170/6.6
338,4	13.3	3	2	60/2.36	170/6.6
372,2	14.7	4	3	60/2.36	170/6.6
406,0	16.0	4	3	60/2.36	170/6.6
439,8	17.3	4	3	60/2.36	170/6.6
473,6	18.6	5	3	60/2.36	170/6.6
507,4	20.0	5	3	60/2.36	170/6.6
541,2	21.3	5	3	60/2.36	170/6.6
575,0	22.6	5	3	60/2.36	170/6.6
608,8	24.0	6	4	60/2.36	170/6.6
642,6	25.3	6	4	60/2.36	170/6.6
676,4	26.6	6	4	60/2.36	170/6.6
710,2	28.0	7	4	60/2.36	170/6.6
744,0	29.3	7	4	60/2.36	170/6.6
777,8	30.6	7	4	60/2.36	170/6.6
811,6	32.0	7	4	60/2.36	170/6.6
845,4	33.3	8	4	60/2.36	170/6.6
879,2	34.6	8	5	60/2.36	170/6.6
913,0	35.9	8	5	60/2.36	170/6.6
946,8	37.3	8	5	60/2.36	170/6.6
980,6	38.6	8	5	60/2.36	170/6.6
1014,4	39.9	9	5	60/2.36	170/6.6
1048,2	41.3	9	5	60/2.36	170/6.6

Note: Number of sprockets depends on the belt load.