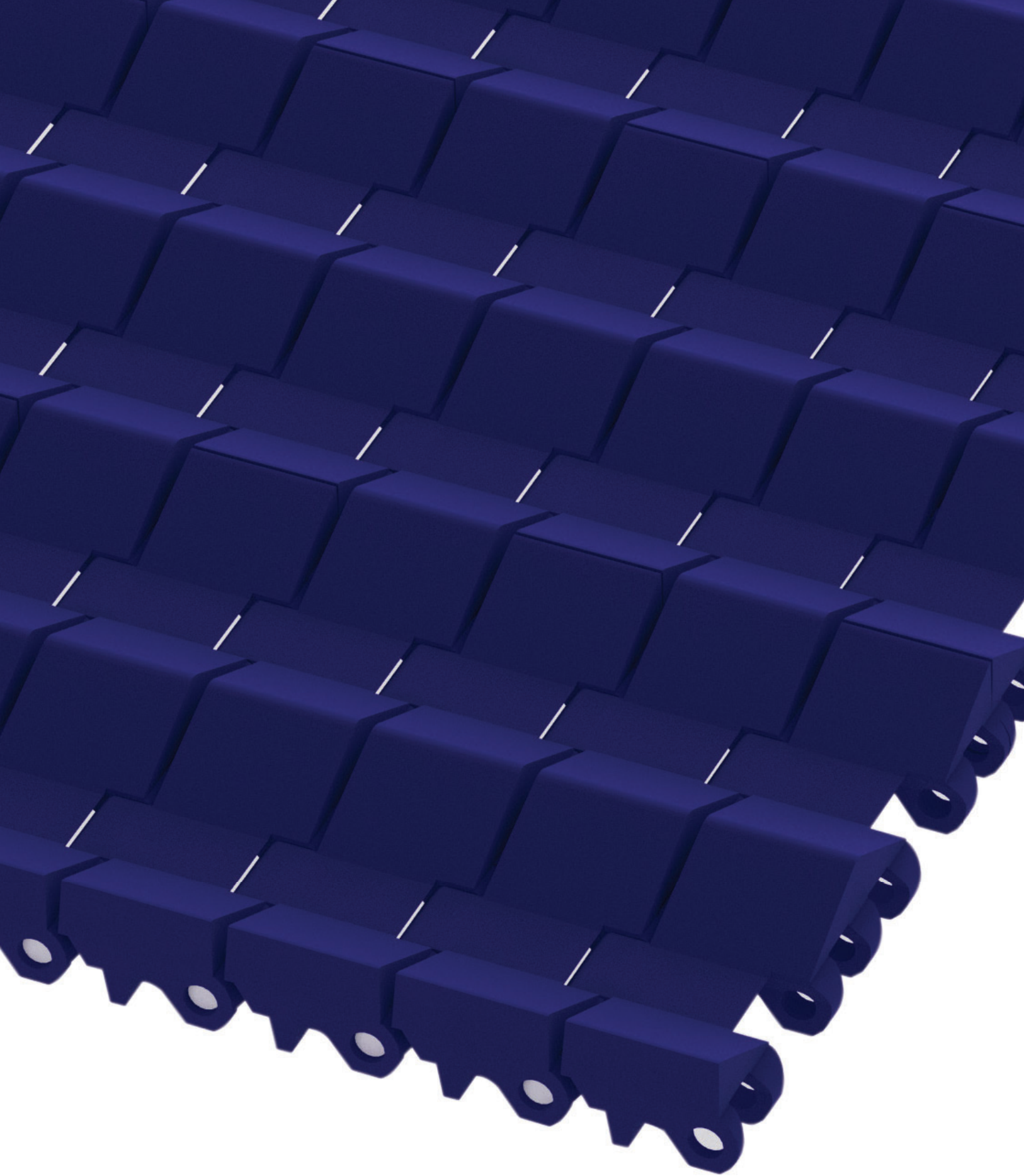




EC254 NUT

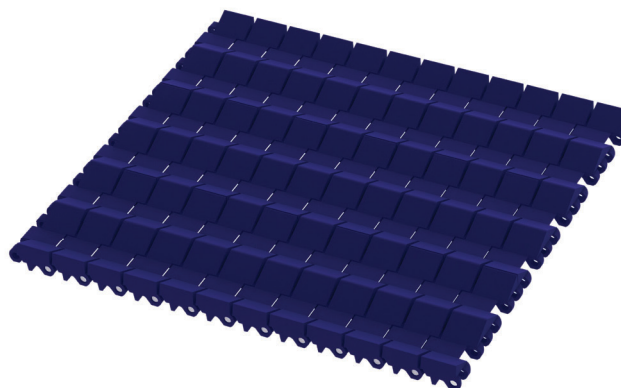
Modular Belt Series



MODUTECH[®]
Movement Technologies

EC254 NUT

Pitch:	25,4 mm / 1 inch
Belt Surface:	Close, Pyramid Surface
Minimum Width:	101,6 mm / 4.00 inch
Open Area (%):	0%
Flight:	No
Sidewall:	No
Pin:	Ø5 mm / 0.197 inch - Self Lock
Approved:	FDA and EU
Color:	Blue / White
Cleanability:	Good
Belt Thickness:	19,30 mm / 0.76 inch

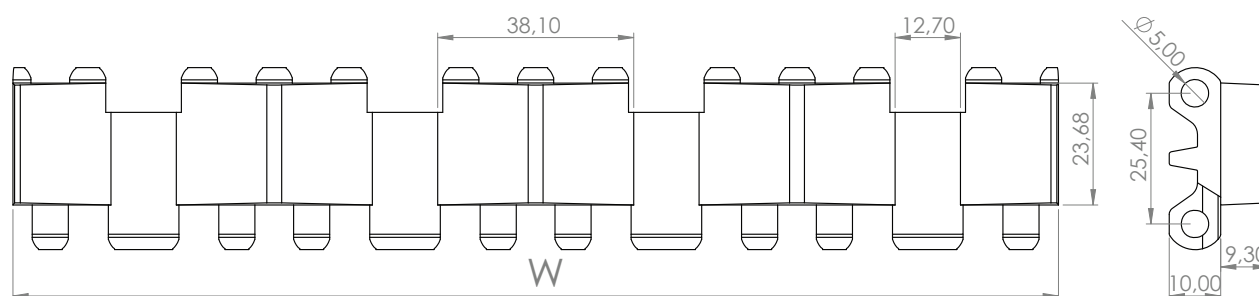


EC254 NUT Technical Information

Belt Material		POM	POM	POM	PP	PP
Pin Material		POM	PA	PP	PP	POM
Belt Strength	N/m lb/ft	17000 - 1165	17000 - 1165	15000 - 1028	13000 - 891	13000 - 891
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	11,3 / 2.31	11,3 / 2.31	11,0 / 2.26	7,2 / 1.47	7,3 / 1.50

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	101,6	203,2	304,8	406,4	508,0	609,6	711,2	812,8	914,4	1016,0	1117,6	1219,2	1320,8	1422,4	1524,0
Belt Width inch	4	8	12	16	20	24	28	32	36	40	44	48	52	56	60



Product Features and Functional Benefits

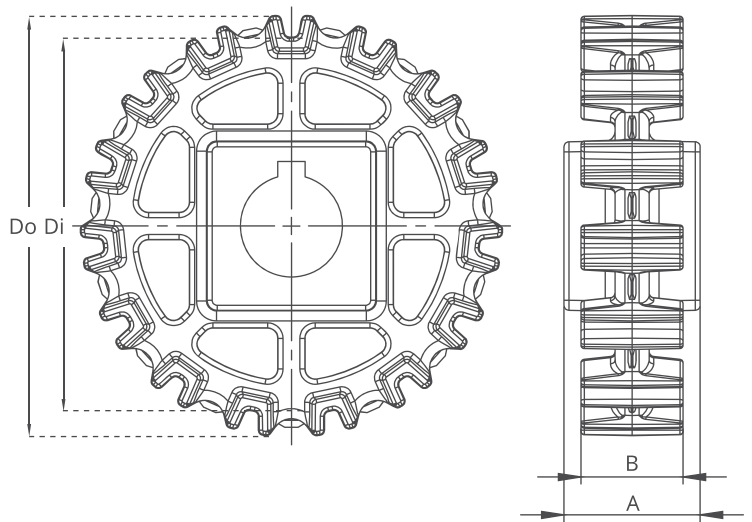
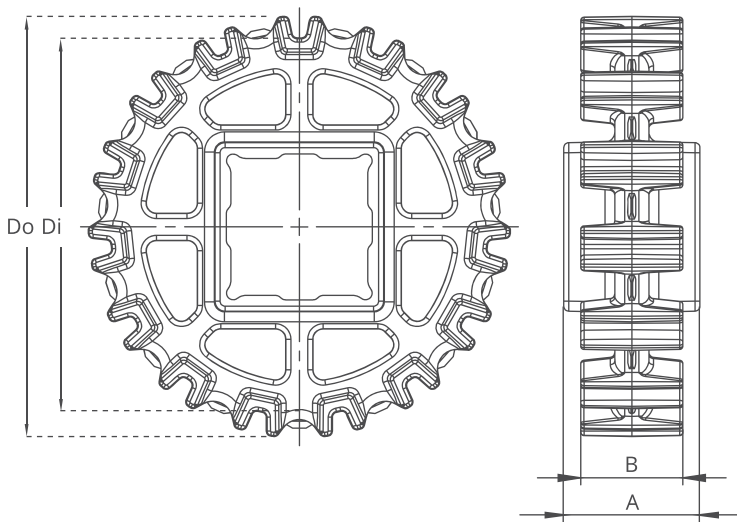
- Special pyramid geometry for small size product application
- Food approved materials

Important Notes

- Standard belt width increments 101,6 mm (4")
- Special raw materials and additional colors available.
- Physical belt widths are generally 0.1% to 0.3% smaller.
- Please contact with customer service for precise belt measurements.

EC254 Series

Sprockets and Technical Specifications



EC254 Series / Molded Sprocket Dimensions

NO. TEETH	Di mm/inch	Do mm/inch	B mm/inch	A mm/inch	Square Bore (Q)		Round Bore (R)		PRODUCT CODE	
					mm	inch	mm	inch	Square Type (Q)	Round Type (R)
Z8	49,9 / 1.96	62,5 / 2.45	30 / 1.18	40 / 1.57	25	1	20-25	1	EC254SQZ8*POM	EC254SRZ8*POM
Z10	68,0 / 2.68	80,8 / 3.18	30 / 1.18	40 / 1.57	40	1.5	25-30	1-1.25	EC254SQZ10*POM	EC254SRZ10*POM
Z12	84,7 / 3.33	97,6 / 3.84	30 / 1.18	40 / 1.57	40	1.5	25-30	1-1.25	EC254SQZ12*POM	EC254SRZ12*POM
Z15	109,6 / 4.31	122,5 / 4.82	30 / 1.18	40 / 1.57	40	1.5	25-30	1-1.25	EC254SQZ15*POM	EC254SRZ15*POM
Z18	134,4 / 5.29	147,2 / 5.80	30 / 1.18	40 / 1.57	40	1.5	25-30	1-1.25	EC254SQZ18*POM	EC254SRZ18*POM

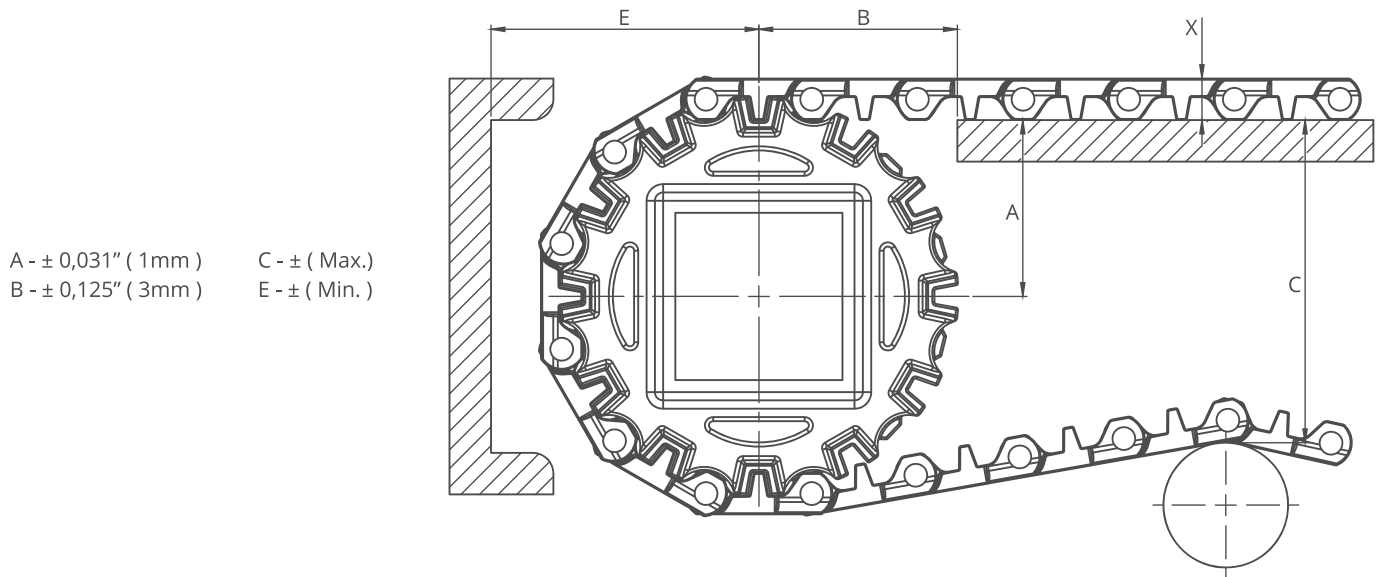
*CNC machined sprockets for specific number of teeth are available.

*CNC machined split sprockets are available.

*Special raw materials like PA (Polyamide) and PP (Polypropylene) are available for machined sprockets upon request.

EC254 Series

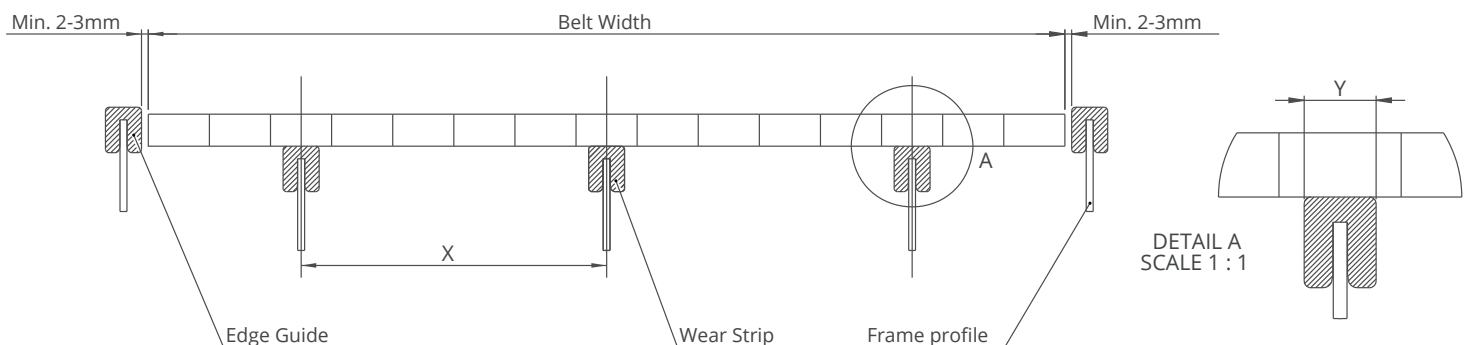
Engineering Information



EC254 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								
EC254 C, EC254 PR16%												
2.30	58,5	8	1.16	29,4	1.48	37,6	1.92	48,7	1.94	49,4	0.39	10
2.97	75,5	10	1.48	37,5	1.69	42,9	2.57	65,3	2.26	57,5	0.39	10
3.63	92,3	12	1.80	45,8	1.87	47,4	3.23	82,0	2.59	65,8	0.39	10
4.65	118,0	15	2.23	56,7	2.16	54,9	4.16	105,7	3.02	76,7	0.39	10
5.65	143,0	18	2.75	70,0	2.35	59,7	5.18	131,5	3.54	90,0	0.39	10
EC254 NT, EC254 CRV22%												
2.30	58,5	8	1.16	29,4	1.48	37,6	1.92	48,7	2.02	51,4	0.47	12
2.97	75,5	10	1.48	37,5	1.69	42,9	2.57	65,3	2.26	57,5	0.47	12
3.63	92,3	12	1.80	45,8	1.87	47,4	3.23	82,0	2.70	67,8	0.47	12
4.65	118,0	15	2.23	56,7	2.16	54,9	4.16	105,7	3.10	78,7	0.47	12
5.65	143,0	18	2.75	70,0	2.35	59,7	5.18	131,5	3.62	92,0	0.47	12
EC254 GT												
2.30	58,5	8	1.16	29,4	1.48	37,6	1.92	48,7	2.10	53,6	0.51	13
2.97	75,5	10	1.48	37,5	1.69	42,9	2.57	65,3	2.30	58,5	0.51	13
3.63	92,3	12	1.80	45,8	1.87	47,4	3.23	82,0	2.75	69,8	0.51	13
4.65	118,0	15	2.23	56,7	2.16	54,9	4.16	105,7	3.13	79,7	0.51	13
5.65	143,0	18	2.75	70,0	2.35	59,7	5.18	131,5	3.66	93,0	0.51	13

EC254 Series / Slider Support System For Straight Running Belts



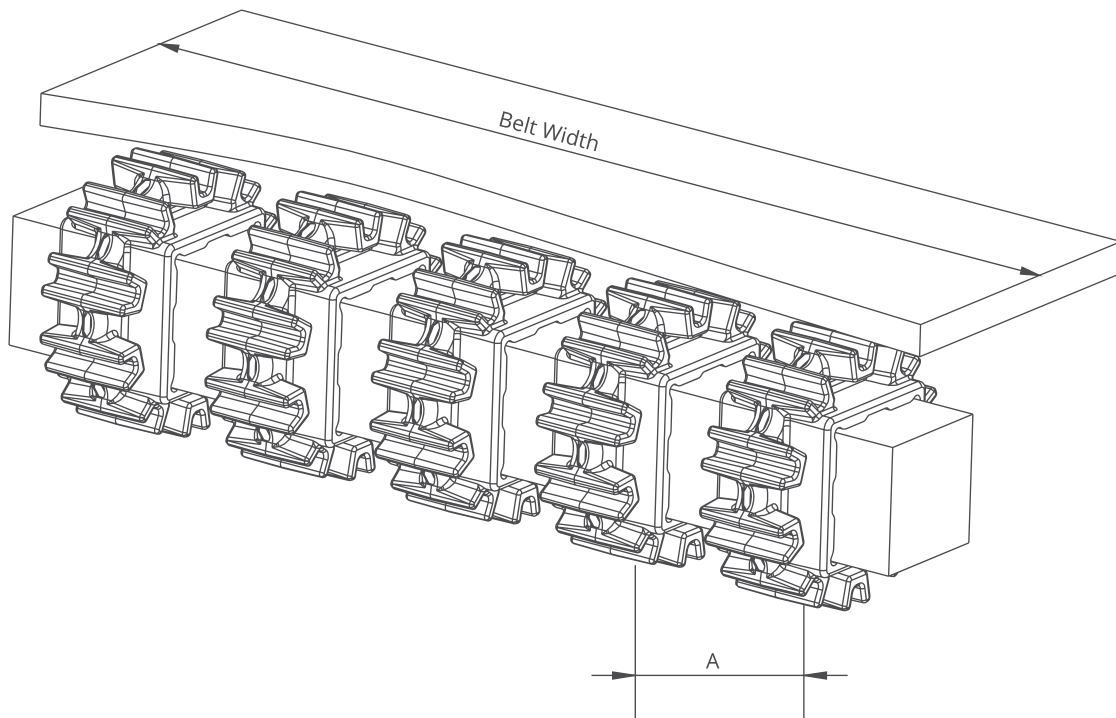
Note: The distances between the carryway wear strips (X) may be changed to due to operation conditions and transported load. In general, we recommend;

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.

EC254 Series

Engineering Information



EC254 Series / Sprocket & Wearstrip Arrangements

Standard Belt Width		Number of sprockets per shaft	Number of wearstrips		A (mm/inch)	
mm	inch		Carryway	Returnway	Min.	Max.
76,2	3,00	2	2	2	61 / 2.40	122 / 4.80
152,4	6,00	2	2	2	61 / 2.40	122 / 4.80
228,6	9,00	2	2	2	61 / 2.40	122 / 4.80
304,8	12,00	3	3	2	61 / 2.40	122 / 4.80
381,0	15,00	3	4	3	61 / 2.40	122 / 4.80
457,2	18,00	5	4	3	61 / 2.40	122 / 4.80
533,4	21,00	5	5	3	61 / 2.40	122 / 4.80
609,6	24,00	5	5	3	61 / 2.40	122 / 4.80
685,8	27,00	7	5	3	61 / 2.40	122 / 4.80
762,0	30,00	7	6	4	61 / 2.40	122 / 4.80
838,2	33,00	7	6	4	61 / 2.40	122 / 4.80
914,4	36,00	9	7	4	61 / 2.40	122 / 4.80
990,6	39,00	9	8	5	61 / 2.40	122 / 4.80
1066,8	42,00	11	8	5	61 / 2.40	122 / 4.80
1143,0	45,00	11	8	5	61 / 2.40	122 / 4.80
1219,2	48,00	11	9	5	61 / 2.40	122 / 4.80
1295,4	51,00	13	10	6	61 / 2.40	122 / 4.80
1371,6	54,00	13	10	6	61 / 2.40	122 / 4.80
1447,8	57,00	13	11	6	61 / 2.40	122 / 4.80
1524,0	60,00	15	11	6	61 / 2.40	122 / 4.80
1600,2	63,00	15	11	6	61 / 2.40	122 / 4.80

Note:

*The number of sprockets and wearstrips may vary depending on the conveyor load.