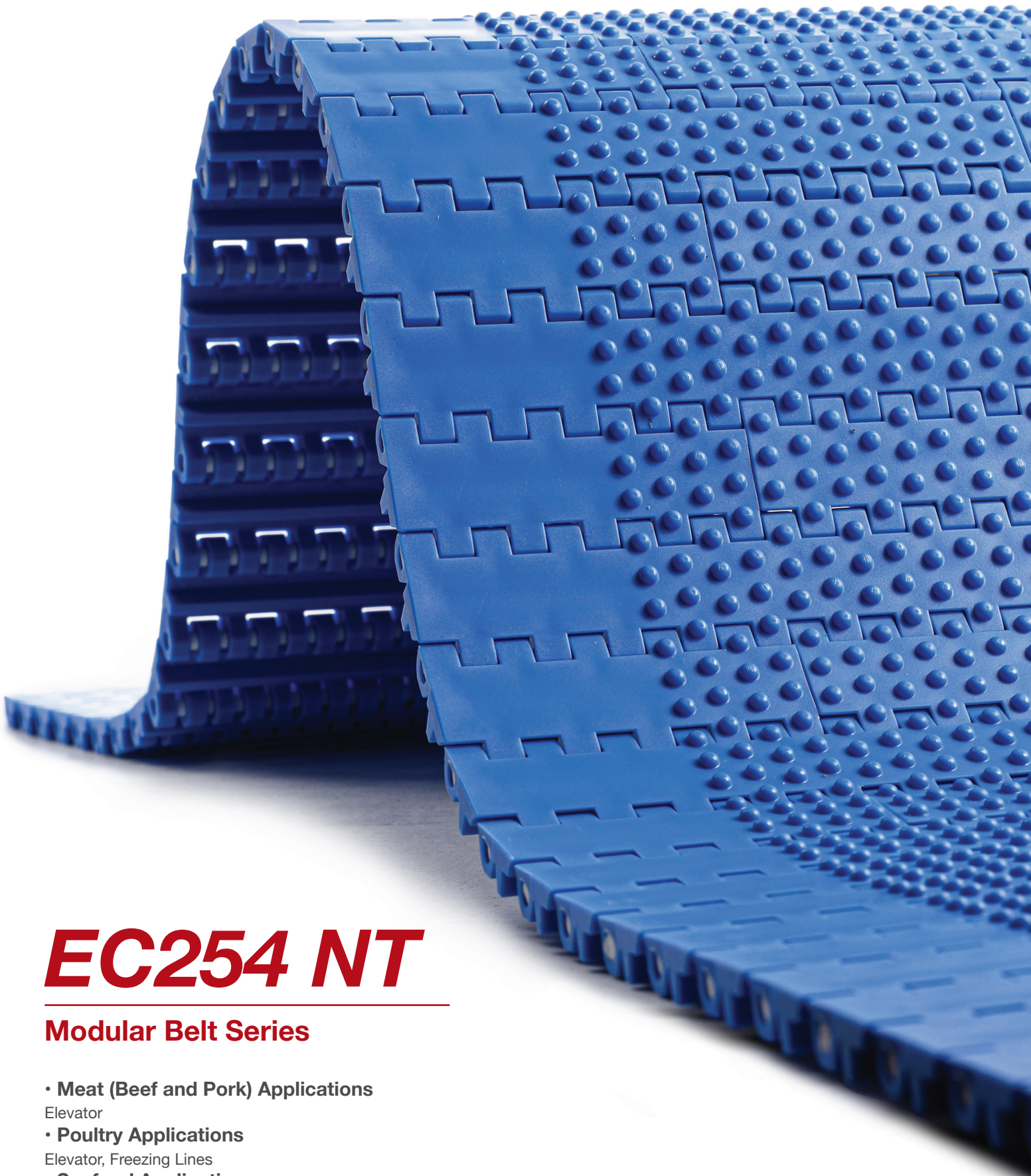




EC254 NT

Modular Belt Series

- **Meat (Beef and Pork) Applications**

Elevator

- **Poultry Applications**

Elevator, Freezing Lines

- **Seafood Applications**

Control Tables, Glazing

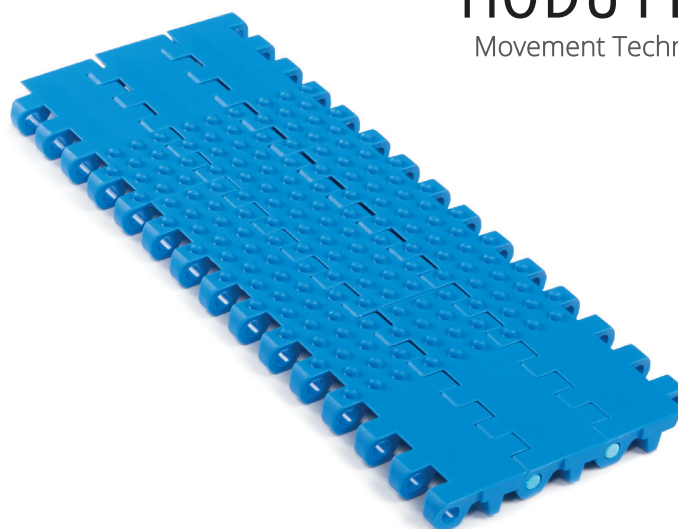
- **Fruits and Vegetables**

Including Elevator



MODUTECH®
Movement Technologies

EC254 NT



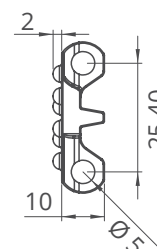
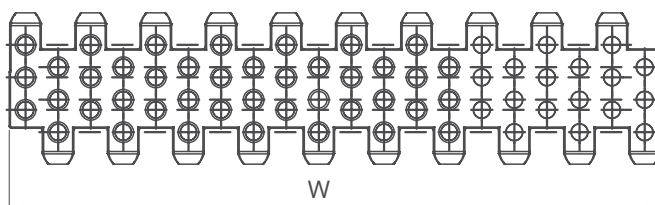
Pitch:	25,4 mm / 1 inch
Belt Surface:	Close, Nub Top Surface
Minimum Width:	152,4 mm / 6 inch
Open Area (%):	0%
Flight:	Yes
Sidewall:	Yes
Pin:	Ø5 mm / 0.197 inch - Self Lock
Approved:	FDA and EU
Color:	Blue / White
Cleanability:	Excellent
Belt Thickness:	12 mm / 0.472 inch

EC254 NT Technical Information

Belt Material		POM	POM	POM	PP	PP	PE
Pin Material		PA	POM	PP	PP	POM	POM
Belt Strength	N/m lb/ft	21900 - 1500	21900 - 1500	16000 - 1096	14000 - 959	14000 - 959	8000 -548
Temperature	°C °F	-40 / +93 -40 / +200	-40 / +93 -40 / +200	+5 / +93 +40 / +200	+5 / +105 +40 / +220	+5 / +93 +40 / +200	-40 / +65 +40 / +150
Belt Weight	kg/m² lb/sqft²	7.7 / 1.57	7.7 / 1.57	7.7 / 1.57	5.1 / 1.05	5.1 / 1.05	5.4 / 1.11

Diameter of idling rollers (min.)		Diameter of support rollers (min.)		Diameter of gravity take-up and center drive support 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	250	10

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
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
Belt Width mm	1371,6	1447,8	1524,0	1600,2													
Belt Width inch	54.00	57.00	60.00	63.00													



Product Features and Functional Benefits

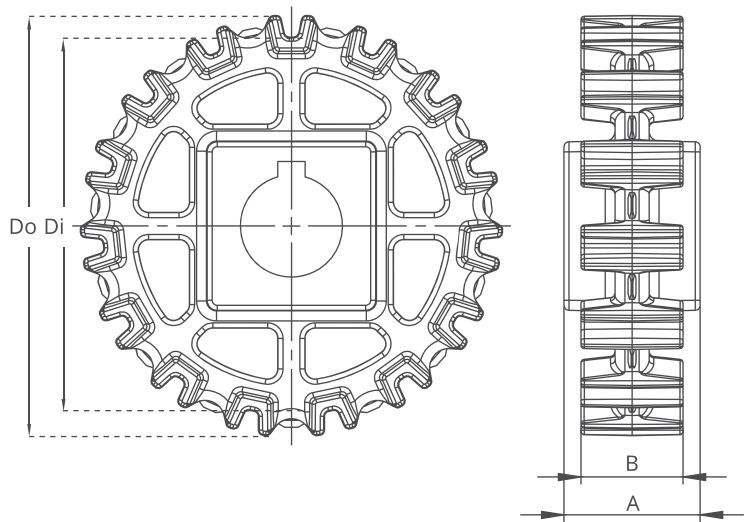
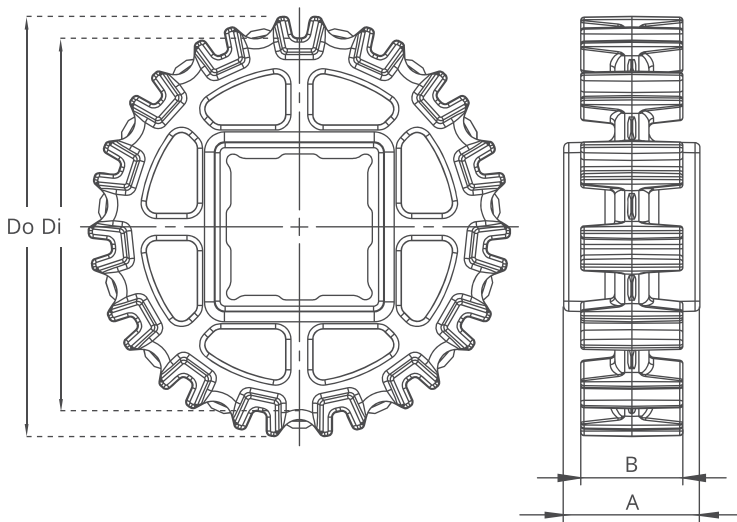
- Easy to clean, closed nub top surface.
- Reduced contact surface for sticky operations.
- Unique sprocket engagement - higher product load and longer conveyors.
- Close transfer applications.
- Self indent modules available.

Important Notes

- Standard belt increments 76,2 mm.
- Non-standard belt increments 15,2 mm.
- Please contact with customer service for precise belt measurements.
- Indented or fully nub top surface belt assembly options are available.
- Special raw materials and additional colors available.
- Physical belt widths are generally 0.1% to 0.3% smaller.
- For PE material up to 750 mm (30") -5 mm to -2 mm and -0.75% to -0.35% for wider belts.
- For PP and POM material up to 750 mm (30") -3 mm to 0 mm and -0.4% to 0% for wider belts.

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.

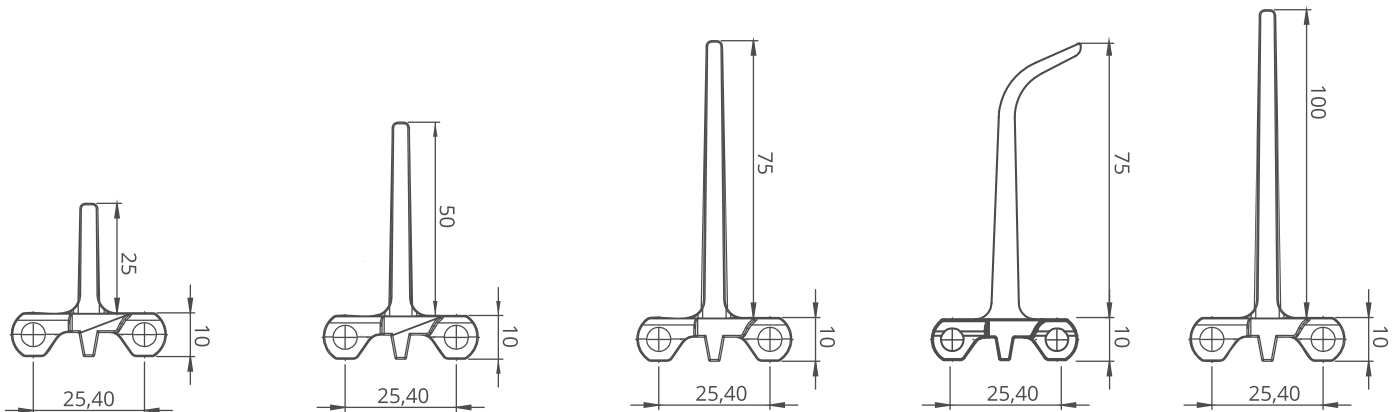
EC254 Series

Accessories and Technical Specifications

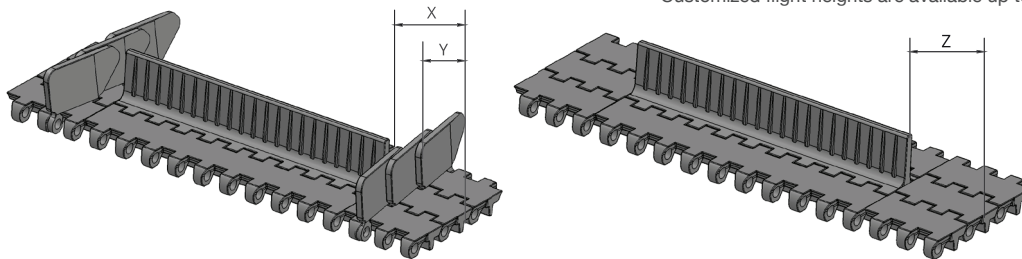


EC254 Series / Flight & Sidewall Dimensions

EC254 Series / Flights & Sidewalls				
PRODUCT CODE	Flight Height (mm/inch)	Flight Width (mm/inch)	PRODUCT CODE	Sidewall Height (mm/inch)
EC254T25	25 / 1	152,4 / 6	EC254SW25	25 / 1
EC254T50	50 / 2	152,4 / 6	EC254SW50	50 / 2
EC254T75	75 / 3	152,4 / 6	EC254SW75	75 / 3
EC254T100	100 / 4	152,4 / 6	EC254SW100	100 / 4
EC254TC75	75 / 3	152,4 / 6	-	-
EC254TCH75	75 / 3	152,4 / 6	-	-
EC254TNC50	50 / 2	152,4 / 6	-	-
EC254TNC100	100 / 4	152,4 / 6	-	-



*Customized flight heights are available up to 100mm for T and TNC flights.



EC254 Series / Flight & Sidewall Technical Specifications

Possible Sidewall and Flights Indents	X		Y		Z	
	mm	inch	mm	inch	mm	inch
Standard, module cutting	24,1	0.95	13,7	0.54	30,5	1.20
Non-Standard, module cutting	31,9	1.25	21,5	0.84	38,1	1.50
Standard, module cutting	39,3	1.55	28,9	1.14	45,7	1.80
Non-Standard, module cutting	47,1	1.85	36,7	1.44	53,3	2.10
Standard, no module cutting	54,6	2.15	44,2	1.74	61,0	2.40

Note:

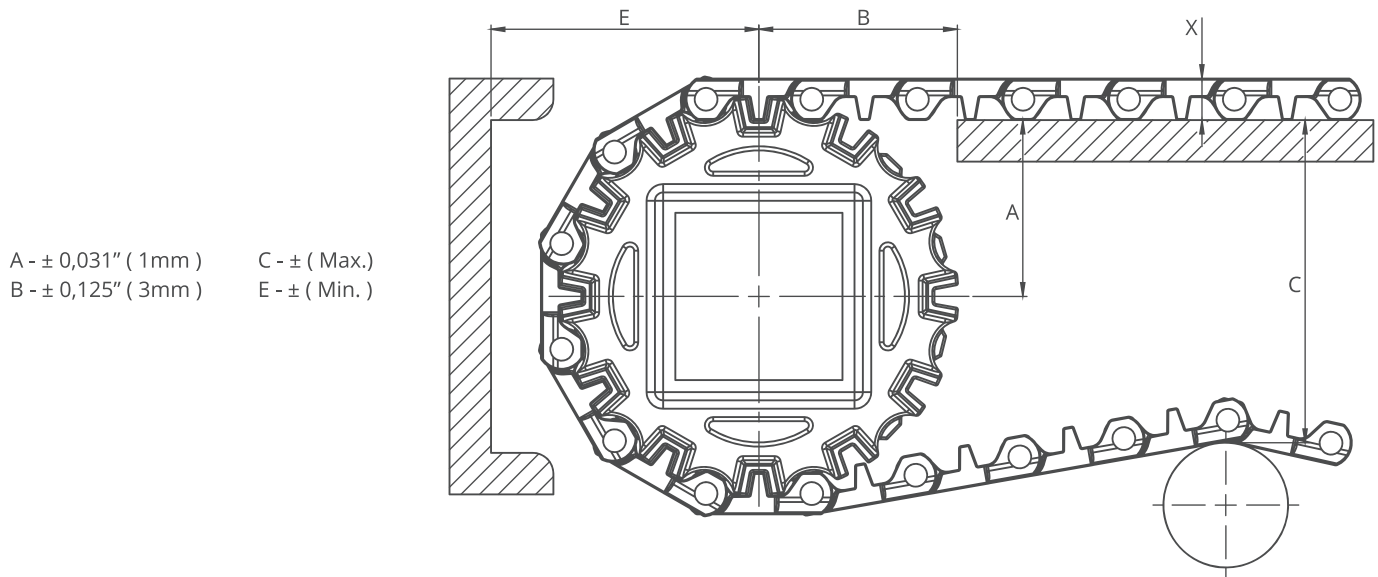
*Sidewall options are limited for fully Nub Top belt assemblies. Please contact your regional representative for available configurations.

*Sidewall options are not available for fully Grip Top belt assemblies. Please contact your regional representative for alternative solutions.

*Sidewall options are not available for EC254 CRV16% belt assemblies. Please contact your regional representative for alternative solutions.

EC254 Series

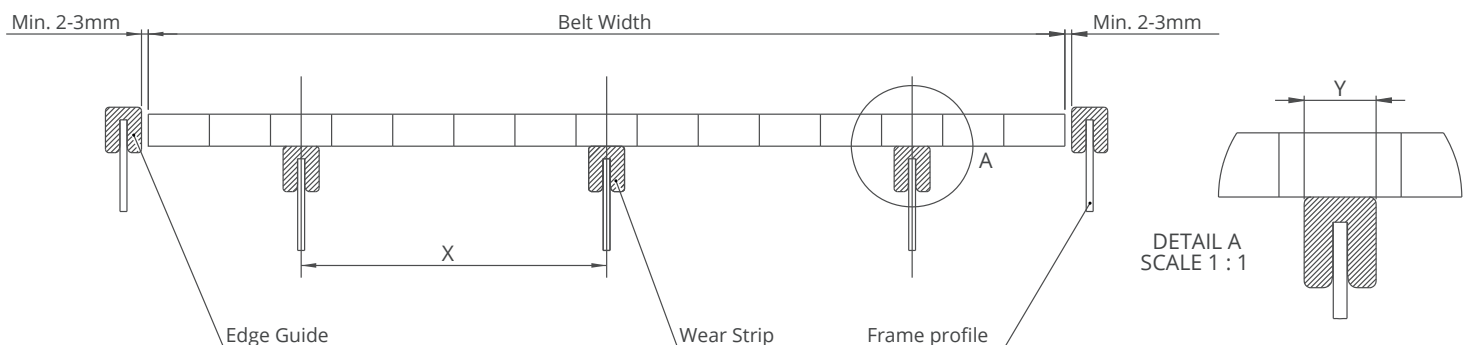
Engineering Information



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



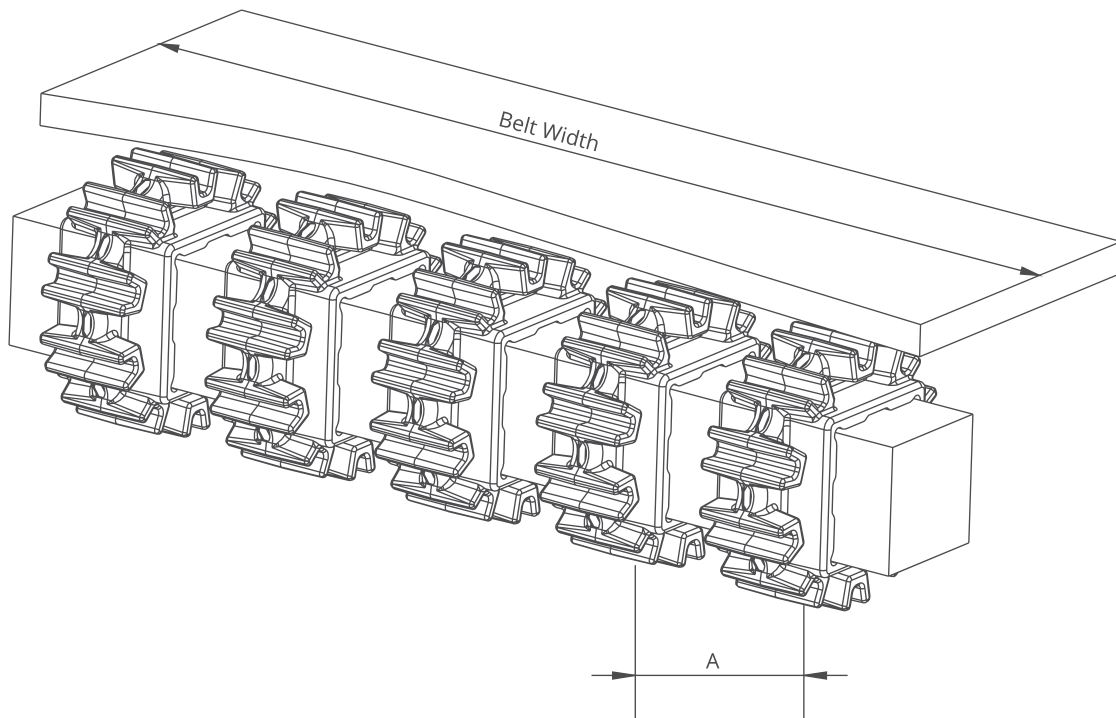
Note: The distances between the carryway wear strips (X) may be changed to due to operation conditions and transported load. In general, we recommend;

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.