



XP254 GT

Friction Top

Modular Belt Series

- **Snack Food Applications**

Incline - Decline Lines, Container Conveyance

- **Packaging Applications**

Box Incline - Decline Lines

- **Beverage Applications**

Incline - Decline Lines, Filling, Box Transfer

- **Material Handling Applications**

Incline Applications, Palletizers, Packaging Lines

XP254 GT (Friction Top)

Pitch:	25,4 mm / 1 inch
Belt Surface:	Close, Friction Surface
Minimum Width:	76,2 mm / 3 inch
Open Area (%):	0%.
Flight:	Yes
Sidewall:	Yes
Pin:	Ø4,5 mm / 0.177 inch - Self Lock
Approved:	FDA and EU
Color:	Blue / White
Cleanability:	Good
Belt Thickness:	11,8 mm / 0.465 inch

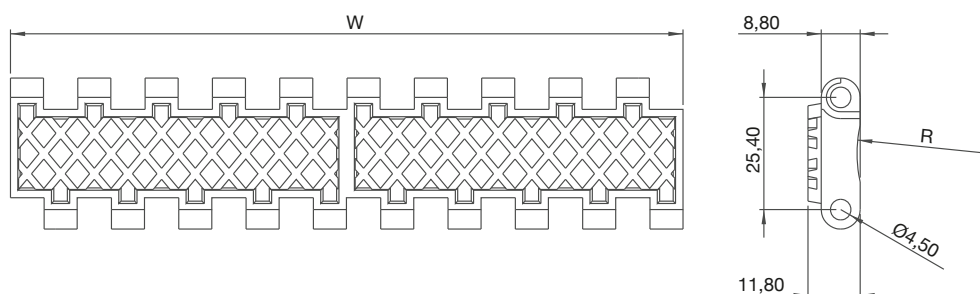


XP254 GT Technical Information

Belt Material		PP	PP
Rubber Material		TPE	
Pin Material		PP	POM
Belt Strength	N/m lb/ft	16200 - 1110	16200 - 1110
Temperature	°C °F	+5 / +60 +40 / +140	+5 / +60 +40 / +140
Belt Weight	kg/m ² lb/sqft ²	6.9 / 1.42	6.9 / 1.42

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	250	10

Belt Width mm	152,4	203,2	254,0	304,8	355,6	406,4	457,2	508,0	558,8	609,6	660,4	711,2	762,0	812,8	863,6	914,4	965,2
Belt Width inch	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00	24.00	26.00	28.00	30.00	32.00	34.00	36.00	38.00
Belt Width mm	1016,0	1066,8	1117,6	1168,4													
Belt Width inch	40.00	42.00	44.00	46.00													



Product Features and Functional Benefits

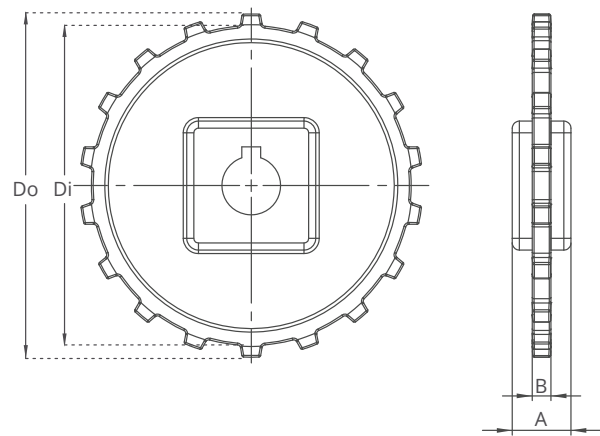
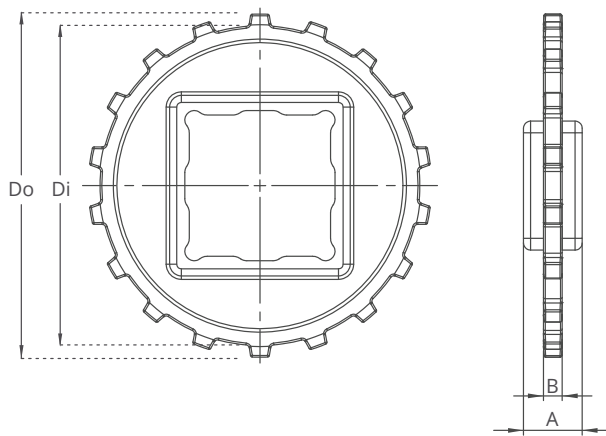
- Unique sprocket engagement - higher product load and longer conveyors.
- Unique sprocket engagement reduces pulsation and increases load capacity.
- Unique rubber top eliminates wear and increases friction in incline-decline applications.
- Extra power, bi-directional belt for long conveyors.
- Chamfered belt edges.

Important Notes

- Standard belt increments 76,2 mm.
- Non-standard belt increments 15,2 mm.
- Please contact with customer service for precise belt measurements.
- Physical belt widths are generally 0.1% to 0.3% smaller.
- Special raw materials and additional colors available.

XP254 Series

Sprockets and Technical Specifications



XP254 Series / Standard Sprockets Dimensions



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

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	53,2 / 2.09	64,0 / 2.52	8 / 0.31	25 / 0.98	25	-	25-30	1-1.25	XP254SQZ8*PA	XP254SRZ8*PA
Z10	71,5 / 2.82	81,2 / 3.2	8 / 0.31	25 / 0.98	25-40	1-1.5	25-30	1-1.25	XP254SQZ10*PA	XP254SRZ10*PA
Z12	88,1 / 3.50	98,1 / 3.86	8 / 0.31	25 / 0.98	40	1.5	25-30	1-1.25	XP254SQZ12*PA	XP254SRZ12*PA
Z15*	112,8 / 4.44	122,4 / 4.82	8 / 0.31	25 / 0.98	40-60	1.5-2.5	25-30	1-1.25	XP254SQZ15*PA	XP254SRZ15*PA
Z18*	136,4 / 5.37	146,4 / 5.76	8 / 0.31	25 / 0.98	40-60	1.5-2.5	25-30	1-1.25	XP254SQZ18*PA	XP254SRZ18*PA

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

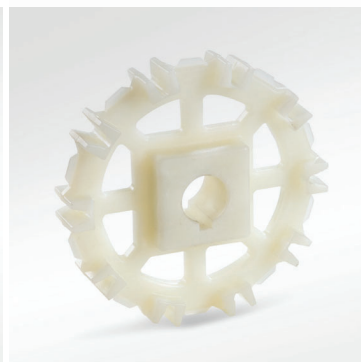
*Machined Split Sprockets are available for each size.



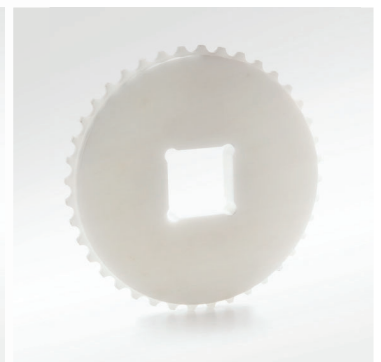
Clamp



Machined Split Sprocket



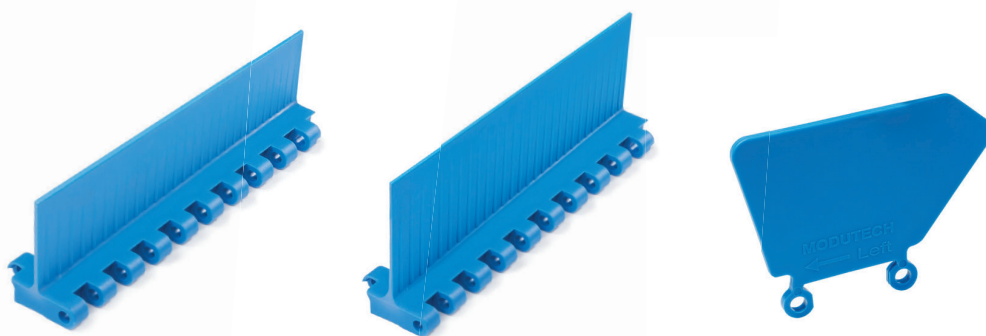
Moulded Sprocket



Machined Sprocket

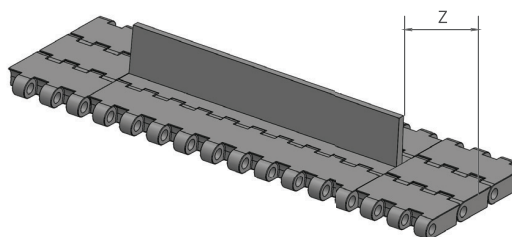
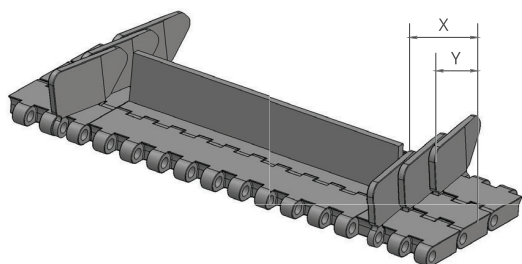
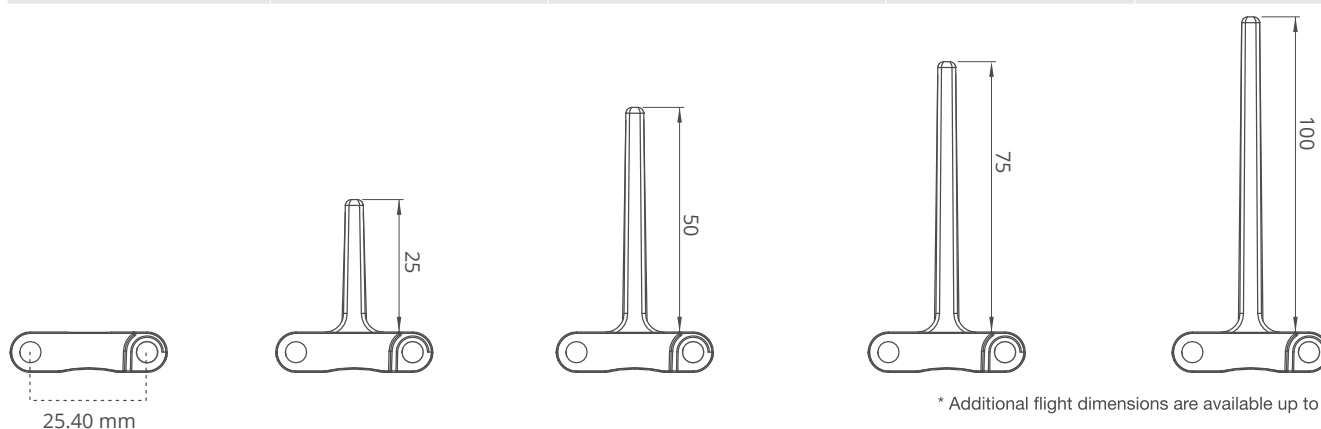
XP254 Series

Accessories and Technical Specifications



XP254 Series / Flight & Sidewall Dimensions

XP254 Series / Flights & Sidewalls				
PRODUCT CODE	Flight Height (mm/inch)	Flight Width (mm/inch)	PRODUCT CODE	Sidewall Height (mm/inch)
-	-	-	XP254SW12.7	12,7 / 0,5
XP254T25	25 / 1	152,4 / 6	XP254SW25	25 / 1
XP254T50	50 / 2	152,4 / 6	XP254SW50	50 / 2
XP254T75	75 / 3	152,4 / 6	XP254SW75	75 / 3
XP254T100	100 / 4	152,4 / 6	XP254SW100	100 / 4



XP254 Series / Flight & Sidewall Technical Specifications

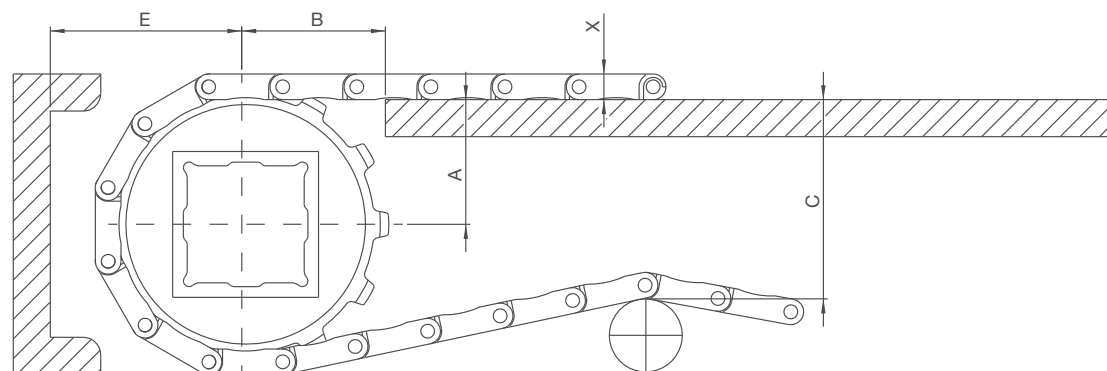
Possible Sidewall and Flights Indents	X		Y		Z	
	mm	inch	mm	inch	mm	inch
Standard, module cutting	24,1	0,95	13,7	0,54	30,5	1,20
Non-Standard, module cutting	31,9	1,25	21,5	0,84	38,1	1,50
Standard, module cutting	39,3	1,55	28,9	1,14	45,7	1,80
Non-Standard, module cutting	47,1	1,85	36,7	1,44	53,3	2,10
Standard, no module cutting	54,6	2,15	44,2	1,74	61,0	2,40

Note: Gap between flight and sidewall minimum 2-3 mm
Gap between flight and sidewall maximum 10 mm

***Non-standard flight indent is on request.**

XP254 Series

Engineering Information

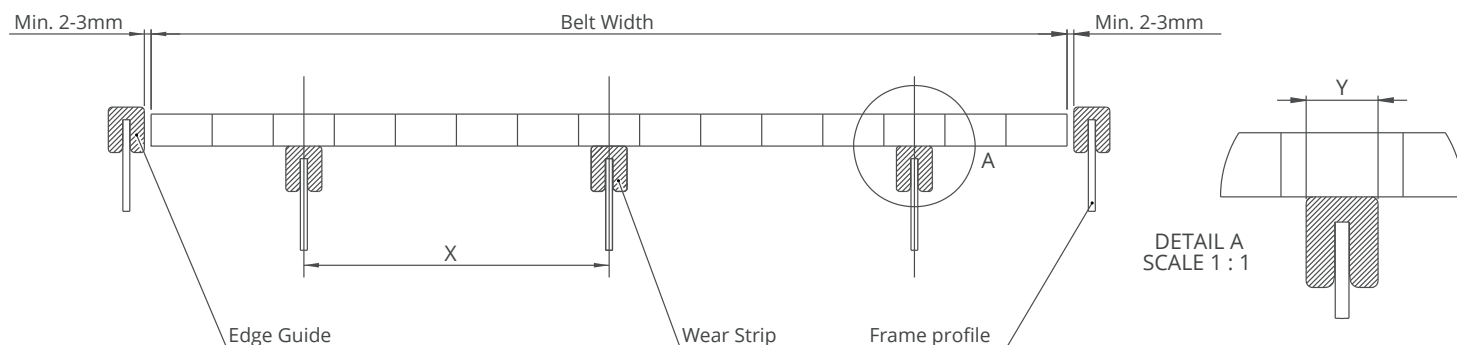


A - $\pm 0,031"$ (1mm)
B - $\pm 0,125"$ (3mm)
C - $\pm$ (Max.)
E - $\pm$ (Min.)

XP254 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								
XP254 C, XP254 PR4%, XP254 PR22%, XP254 FG												
2.32	59,0	8	1.17	29,8	1.43	36,5	1.94	49,3	1.91	48,6	0.35	8,8
2.99	76,0	10	1.47	37,0	1.69	42,9	2.57	65,4	2.21	56,2	0.35	8,8
3.59	91,2	12	1.79	45,5	1.86	47,3	3.19	81,1	2.53	64,3	0.35	8,8
4.65	118,0	15	2.22	56,3	2.13	54,1	4.15	105,3	2.96	75,1	0.35	8,8
5.67	144,0	18	2.71	69,0	2.31	58,7	5.16	131,0	3.45	87,8	0.35	8,8
XP254 BT												
2.32	59,0	8	1.17	29,8	1.44	36,5	1.94	49,3	2.03	51,6	0.50	12,7
2.99	76,0	10	1.47	37,0	1.69	42,9	2.57	65,4	2.33	59,2	0.50	12,7
3.59	91,2	12	1.79	45,5	1.86	47,3	3.19	81,1	2.65	67,3	0.50	12,7
4.65	118,0	15	2.22	56,3	2.13	54,1	4.15	105,3	3.07	78,1	0.50	12,7
5.67	144,0	18	2.71	69,0	2.31	58,7	5.16	131,0	3.57	90,8	0.50	12,7
XP254 GT												
2.32	59,0	8	1.17	29,8	1.43	36,5	2.06	52,3	2.03	51,6	0.46	11,8
2.99	76,0	10	1.47	37,0	1.69	42,9	2.69	68,3	2.33	59,2	0.46	11,8
3.59	91,2	12	1.79	45,5	1.86	47,3	3.32	84,3	2.65	67,3	0.46	11,8
4.65	118,0	15	2.22	56,3	2.13	54,1	4.26	108,3	3.07	78,1	0.46	11,8
5.67	144,0	18	2.71	69,0	2.31	58,7	5.27	134,0	3.57	90,8	0.46	11,8

XP254 Series / Slider Support System For Straight Running Belts



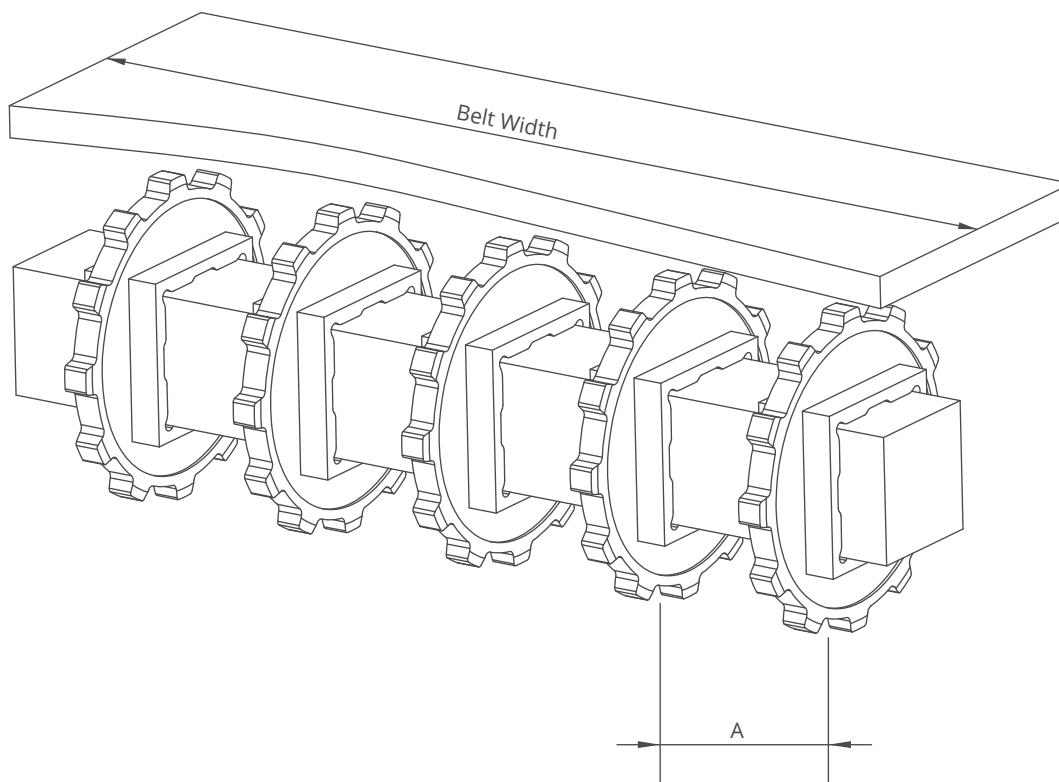
Note: The distances between the carryway wear strips (X) may be changed to due to operation conditions and transported load. In general, we recommend;

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.

XP254 Series

Engineering Information



XP254 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.