FabLink®-XP25.4.BT

Ball Top

Modular Belt Series

- **Logistic Centers Applications**

Material Handling, Sorting, Packaging

- **Corrugated Cardbord Applications**

Down Stackers, Corrugator Take Off, Strap Feed

XP254 BT *(Ball Top)*

BANDTRANSPORT EUROPE

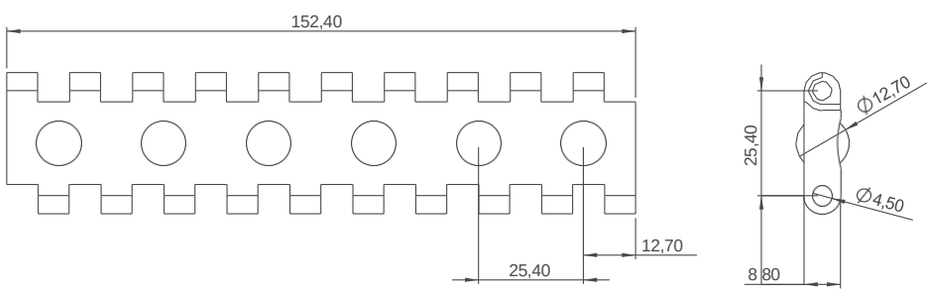
Pitch:	25,4 mm / **1 inch**
Belt Surface:	Close, Ball Top Surface
Minimum Width:	76,2 mm / **3 inch**
Open Area (%):	0%
Flight:	No
Sidewall:	No
Pin:	Ø4,5 mm / **0.177 inch** - Self Loc k
Approved:	FDA and EU
Color:	Blue / Gray
Cleanability:	Good
Belt Thickness:	12,7 mm / **0.5 inch**
Ball Material:	**SpeTechPA®**

XP254 BT Technical Information

Belt Material		**POM**
Ball Material		**PA**
Pin Material		**PA**
Belt Strength	N/m | **lb/ft**	29500 - **1984**
Temperature	°C **°F**	-40 / +93 **-40 / +200**
Belt Weight	kg/m² | **lb/sqft²**	9.6 / **1.97**

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**	-	**-**	-	**-**

Belth Width mm	152,4	228,6	304,8	381,0	457,2	533,4	609,6	685,8	762,0	838,2	914,4	990,6	1066,8	1143,0	1219,2	1295,4	1371,6
Belth Width inch	**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**
Belth Width mm	1447,8	1524,0	1600,2	1676,4													
Belth Width inch	**57.00**	**60.00**	**63.00**	**66.00**													



Product Features and Functional Benefits

- Unique sprocket engagement - higher product load and longer conveyors.
- Unique sprocket engagement reduces pulsation and increases load capacity.
- Designed for **multi-directional** product handling.
- Extra power, bi-directional belt for long conveyors.
- Chamfered belt edges.

Important Notes

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

Dutch QUALITY

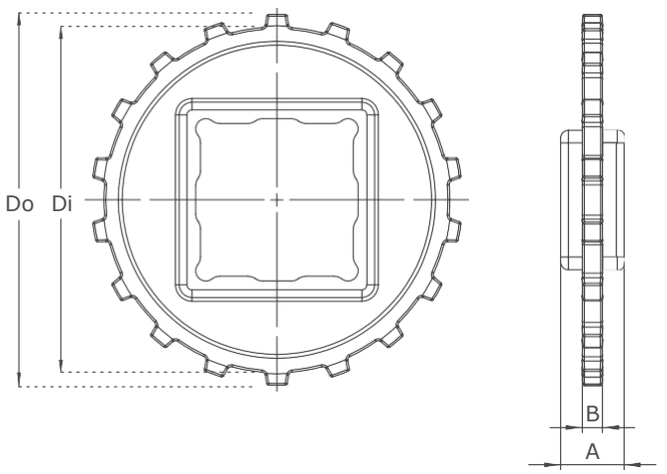
XP254 Series

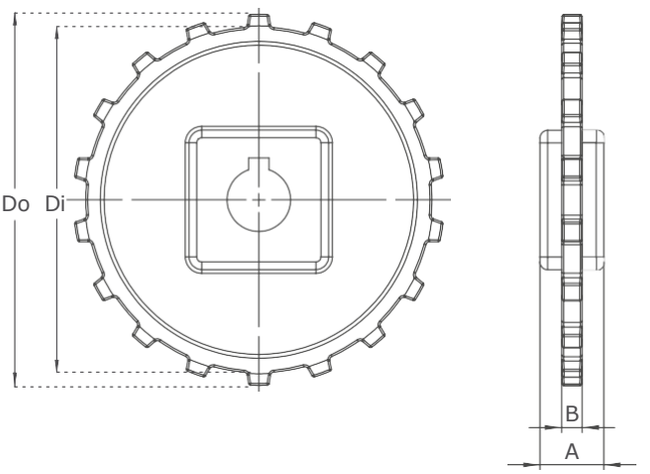
Sprockets and Technical Specifications

BANDTRANSPORT EUROPE

Z18

Z18





- Split moulded sprockets are available for XP254 Z15 & Z18!

XP254 Series / Standard 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	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 avaliable for each size.**

Clamp

Machined Split Sprocket

Moulded Sprocket

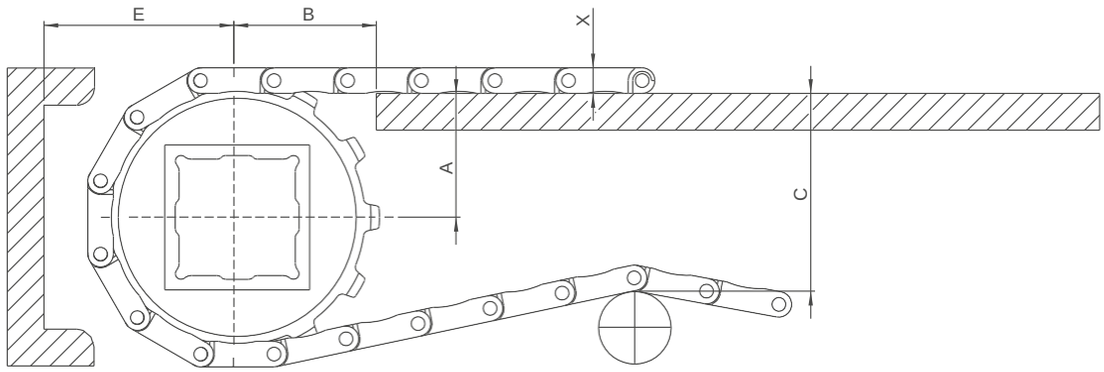
Machined Sprocket

XP254 Series

Engineering Information

BTE BANDTRANSPORT EUROPE

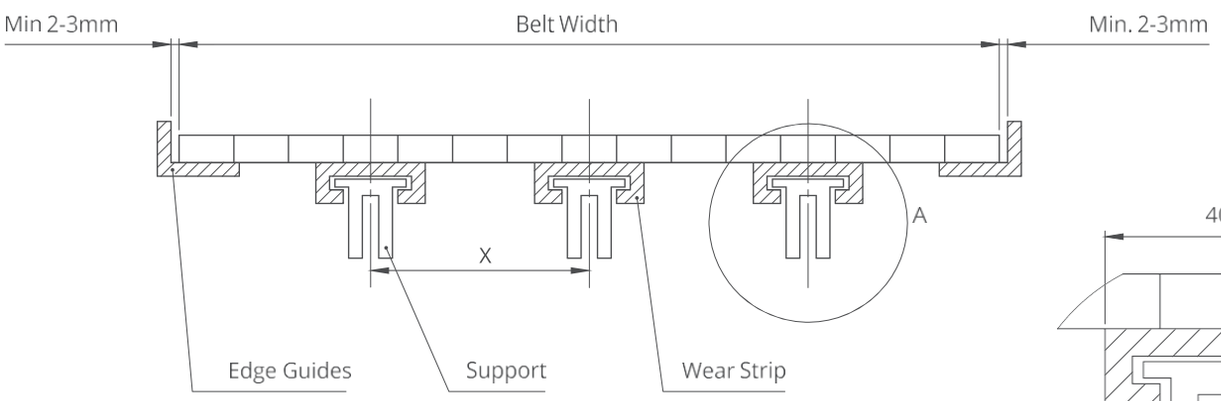
A - ± 0,031" (1mm)
B - ± 0,125" (3mm)
C - ± (Max.)
E - ± (Min.)

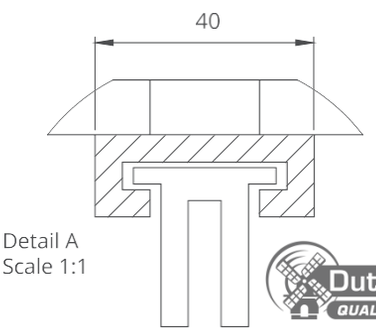


XP254 Series / Conveyor Frame Dimensions

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 FLT CR, XP254 C, XP254 FG, XP254 PR22%												
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 CR												
2.32	59,0	8	**1.17**	29,8	**1.44**	36,5	**1.94**	49,3	**1.91**	48,6	**0.37**	9,3
2.99	76,0	10	**1.47**	37,0	**1.69**	42,9	**2.57**	65,4	**2.21**	56,2	**0.37**	9,3
3.59	91,2	12	**1.79**	45,5	**1.86**	47,3	**3.19**	81,1	**2.53**	64,3	**0.37**	9,3
4.65	118,0	15	**2.22**	56,3	**2.13**	54,1	**4.15**	105,3	**2.96**	75,1	**0.37**	9,3
5.67	144,0	18	**2.71**	69,0	**2.31**	58,7	**5.16**	131,0	**3.45**	87,8	**0.37**	9,3
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 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 Series / Slider Support System For Straight Running Belts





Detail A
Scale 1:1

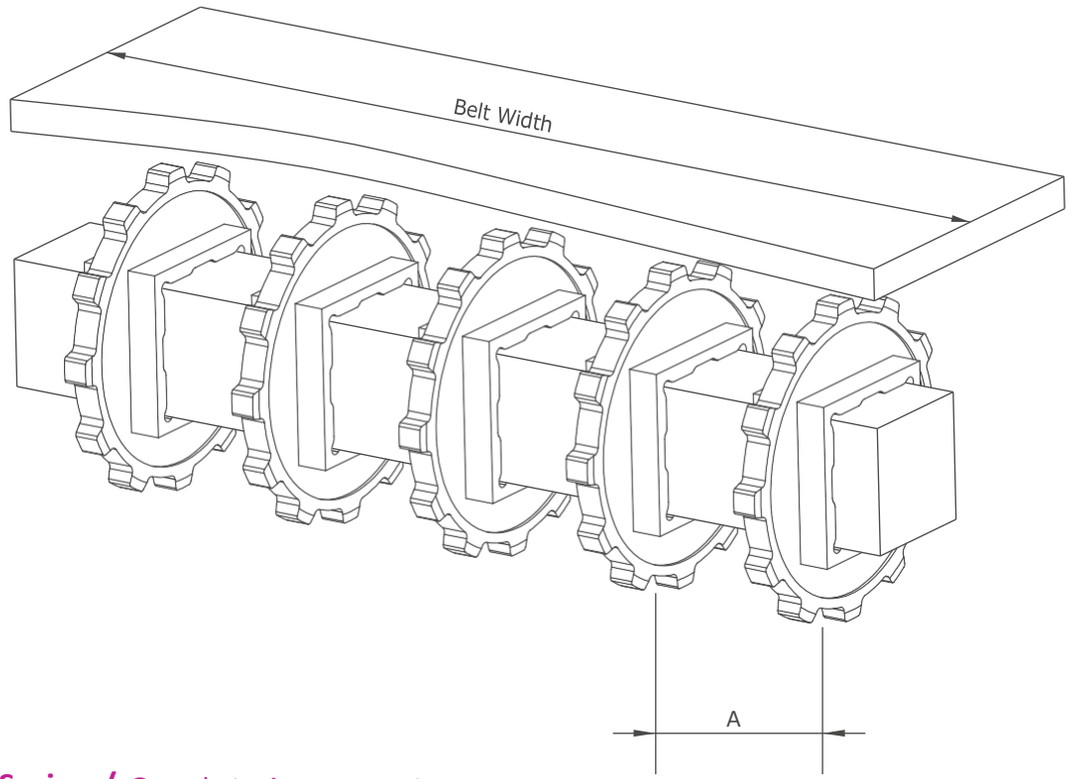
Note: The max. distances between the wear strips have to be (X) ;

125 mm for 2'' belts, 80 mm for 1'' / 0.5'' belts

Dutch QUALITY

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.