

XP254

Modular Belt Series

XP254 CR

XP254 C

XP254 PR%22

XP254 FG

Sprockets & Accessories

Engineering Information







XP254 CR

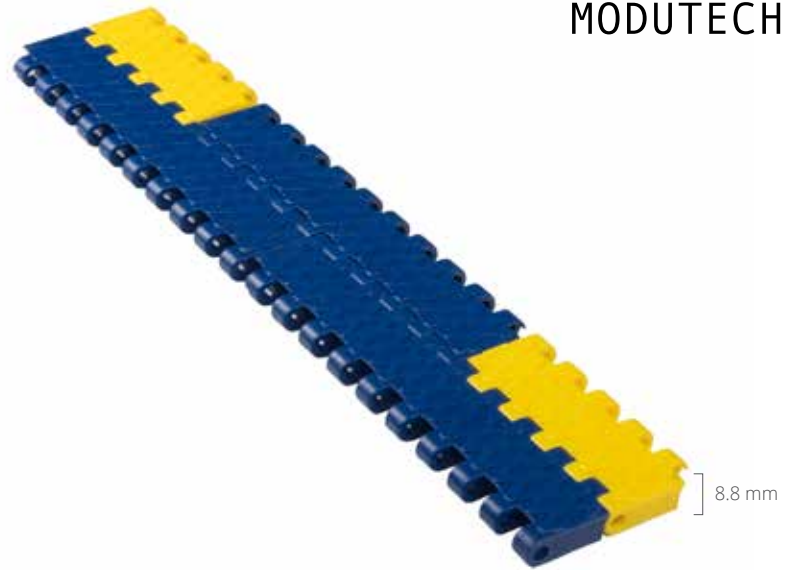
Modular Belt Series

- ***Corrugated Cardbord Applications***

Down Stracker, Corrugator Take Off, Strap Feed

XP254 CR

Pitch:	25.4 mm
Belt Surface:	Close, Non Slip Surface
Minimum Width:	50 mm
Open Area (%):	%0
Flight:	Yes (T25, T50, T75, T100)
Sidewall:	Yes (h=25 mm, h=50 mm)
Rod:	Ø4.5 mm - Self Lock
Approved:	FDA and EU
Curve:	No
Color:	Additional colors available
Cleanability:	Good
Belt Thickness:	8.8 mm



Product Features and Functional Benefits

- Chamfered belt edges.
- Unique sprocket engagement - higher product load and longer conveyors.
- Unique sprocket engagement reduces pulsation and increases load capacity.
- Close transfer applications.
- Extra power, bi-directional belt for long conveyors.
- Safety walking top surface.

Available Moulded Module Sizes

- 152.4 mm module
- 76.2 mm module
- 50 mm module

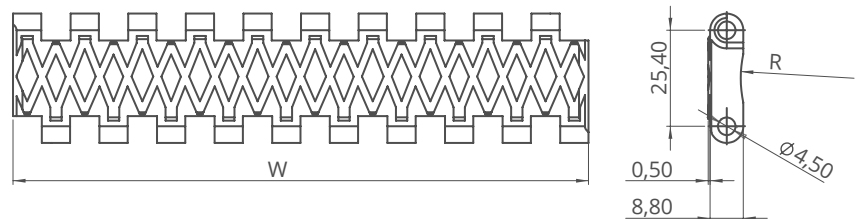
XP254 CR / Technical Information

BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		C (min.)	C (max.)	Kg/m ²
	Kg/m	N/m	Kg/m	N/m			
Polypropylene	1462	14620	-	-	+5	+90	5.50
Polyethylene	1300	13000	-	-	-73	+66	5.80
Acetal	1625	16250	-	-	-43	+110	7.90

- Belt strength and temperature values are maximum on the table.

XP254 CR / Standard Belt Widths

BELT SERIES	WIDTH (W)				Belt With Tolerance (max.)
	PP-PE		POM		
	mm	inch	mm	inch	
XP254	152,4	6"	152,4	6"	± 0,5 mm
XP254	228,6	9"	228,6	9"	± 2 mm
XP254	304,8	12"	304,8	12"	± 2 mm
XP254	381	15"	381	15"	± 3 mm
XP254	457,2	18"	457,2	18"	± 3 mm
XP254	533,4	21"	533,4	21"	± 3 mm
XP254	609,6	24"	609,6	24"	± 3 mm
XP254	685,8	27"	685,8	27"	± 4 mm
XP254	762	30"	762	30"	± 4 mm
XP254	838,2	33"	838,2	33"	± 4 mm
XP254	914,4	36"	914,4	36"	± 4 mm
XP254	990,6	39"	990,6	39"	± 4 mm
XP254	1066,8	42"	1066,8	42"	± 4 mm
XP254	1143	45"	1143	45"	± 4 mm



- Standard belt increments 76.2 mm.
- Please contact with customer service for precise belt measurements.



XP254 C

Modular Belt Series

- **Corrugated Cardbord Applications**

Down Stracker, Corrugator Take Off, Strap Feed

- **Seafood Applications**

Inspection Tables, Grading Lines, Trim Lines

- **Bakery Applications**

Row Dough Handling, Cooling Lines, Packing Lines

- **Snack Food Applications**

Corn Processing

- **Fruits and Vegetables Applications**

Bulk Feeding, Elevator, Control - Sorting Table

- **Tire Manufacturing Applications**

Mixer Infeed - Outfeed, Calendering Infeed, Extrusion Outfeed

- **Packaging Applications**

Labelling, Case Packers, Tray Packers, Palletizing - Depalletizing

- **Printing and Paper Applications**

Printing Machine Outfeed, Wrapping Machine Outfeed

- **Beverages and Bottling Applications**

Can Palletizing and Depalletizing, Glass Palletizing and Depalletizing,

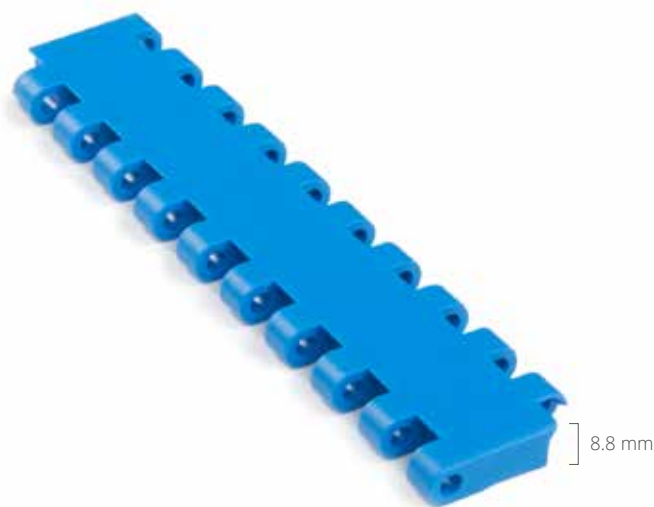
Pet Palletizing and Depalletizing

- **Material Handling Applications**

Incline Applications, Palletizers, Packaging Lines

XP254 C

Pitch:	25.4 mm
Belt Surface:	Close, Smooth Surface
Minimum Width:	76,2 mm
Open Area (%):	%0
Flight:	Yes (T25, T50, T75, T100)
Sidewall:	Yes (h=25 mm, h=50 mm)
Rod:	Ø4.5 mm
Approved:	FDA and EU
Curve:	No
Color:	Additional colors available
Cleanability:	Good
Belt Thickness:	8.8 mm



Product Features and Functional Benefits

- Unique sprocket engagement - higher product load and longer conveyors.
- Unique sprocket engagement reduces pulsation and increases load capacity.
- Close transfer applications.
- Extra power, bi-directional belt for long conveyors.
- Chamfered belt edges.

Available Moulded Module Sizes

- 152.4 mm module
- 76.2 mm module

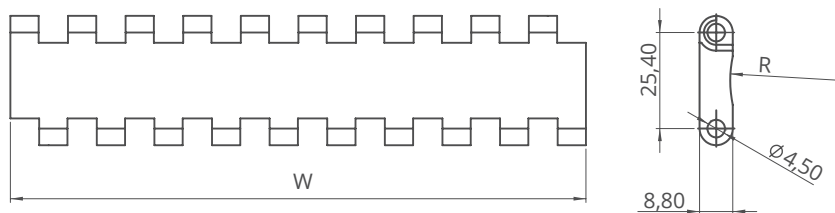
XP254 C / Technical Information

BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		C (min.)	C (max.)	Kg/m ²
	Kg/m	N/m	Kg/m	N/m			
Polypropylene	1462	14620	-	-	+5	+90	5.50
Polyethylene	1300	13000	-	-	-73	+66	5.80
Acetal	1625	16250	-	-	-43	+110	7.90

- Belt strength and temperature values are maximum on the table.

XP254 C / Standard Belt Widths

BELT SERIES	WIDTH (W)				Belt With Tolerance (max.)
	PP-PE		POM		
	mm	inch	mm	inch	
XP254	152,4	6"	152,4	6"	± 0,5 mm
XP254	228,6	9"	228,6	9"	± 2 mm
XP254	304,8	12"	304,8	12"	± 2 mm
XP254	381	15"	381	15"	± 3 mm
XP254	457,2	18"	457,2	18"	± 3 mm
XP254	533,4	21"	533,4	21"	± 3 mm
XP254	609,6	24"	609,6	24"	± 3 mm
XP254	685,8	27"	685,8	27"	± 4 mm
XP254	762	30"	762	30"	± 4 mm
XP254	838,2	33"	838,2	33"	± 4 mm
XP254	914,4	36"	914,4	36"	± 4 mm
XP254	990,6	39"	990,6	39"	± 4 mm
XP254	1066,8	42"	1066,8	42"	± 4 mm
XP254	1143	45"	1143	45"	± 4 mm



- Standard belt increments 76.2 mm.
- Non standard belt increments 15 mm.
- Please contact with customer service for precise belt measurements.



XP254 PR%22

Modular Belt Series

• Meat and Poultry Applications

General Conveyance and Breeding Lines

• Fruit and Vegetable Application

Elevators, Steam Peeler, Inspection Tables, Blanching Lines

• Seafood Applications

Elevators, Inspection Tables, Grading Lines, Trim Lines, Glazing Lines, Cooking Lines

• Bakery Applications

*Row Dough Handling, Cooling Lines, Icing Lines, Packing Lines,
Metal Detectors*

XP254 PR%22

Pitch:	25.4 mm
Belt Surface:	Open, Smooth Surface
Minimum Width:	76,2 mm
Open Area (%):	%22
Flight:	Yes (T25, T50, T75, T100)
Sidewall:	Yes (h=25 mm, h=50 mm)
Rod:	Ø4.5 mm - Self Lock
Approved:	FDA and EU
Curve:	No
Color:	Additional colors available
Cleanability:	Good
Belt Thickness:	8.8 mm



Product Features and Functional Benefits

- Unique sprocket engagement - precise indexing, easy cleaning.
- Different openings to optimize performance in cooling and draining applications.
- Extra power, bi-directional belt for long conveyors.
- Unique sprocket engagement reduces pulsation and increases load capacity.
- Chamfered belt edges.

Available Moulded Module Sizes

- 152.4 mm module
- 76.2 mm module

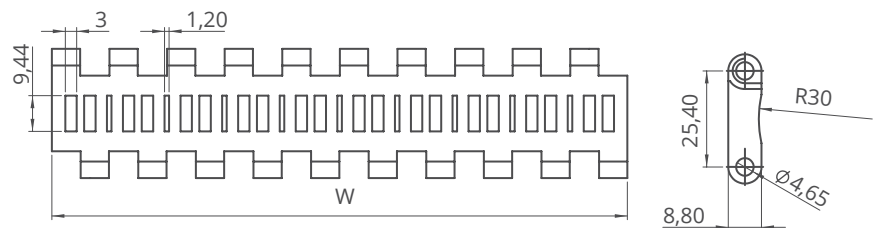
XP254 PR%22 / Technical Information

BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		C (min.)	C (max.)	Kg/m ²
	Kg/m	N/m	Kg/m	N/m			
Polypropylene	1462	14620	-	-	+5	+90	5.50
Polyethylene	1300	13000	-	-	-73	+66	5.80
Acetal	1625	16250	-	-	-43	+110	7.90

- Belt strength and temperature values are maximum on the table.

XP254 PR%22 / Standard Belt Widths

BELT SERIES	WIDTH (W)				Belt With Tolerance (max.)
	PP-PE		POM		
	mm	inch	mm	inch	
XP254	152,4	6"	152,4	6"	± 0,5 mm
XP254	228,6	9"	228,6	9"	± 2 mm
XP254	304,8	12"	304,8	12"	± 2 mm
XP254	381	15"	381	15"	± 3 mm
XP254	457,2	18"	457,2	18"	± 3 mm
XP254	533,4	21"	533,4	21"	± 3 mm
XP254	609,6	24"	609,6	24"	± 3 mm
XP254	685,8	27"	685,8	27"	± 4 mm
XP254	762	30"	762	30"	± 4 mm
XP254	838,2	33"	838,2	33"	± 4 mm
XP254	914,4	36"	914,4	36"	± 4 mm
XP254	990,6	39"	990,6	39"	± 4 mm
XP254	1066,8	42"	1066,8	42"	± 4 mm
XP254	1143	45"	1143	45"	± 4 mm



- Standard belt increments 76.2 mm.
- Non standard belt increments 15 mm.
- Please contact with customer service for precise belt measurements.



XP254 FG

Modular Belt Series

- ***Seafood Applicaitons***

Breeding Machines, Draining Lines, Glazing Lines, Elevators, Freezing Lines

- ***Snack Food Applications***

Proofer Lines, Boiler Infeed, Oven Infeed - Outfeed, Cooling Lines

- ***Fruits and Vegetables Applications***

Prewashing - Rinsing, Draining, Blanching Lines, Elevators

- ***Packaging Applications***

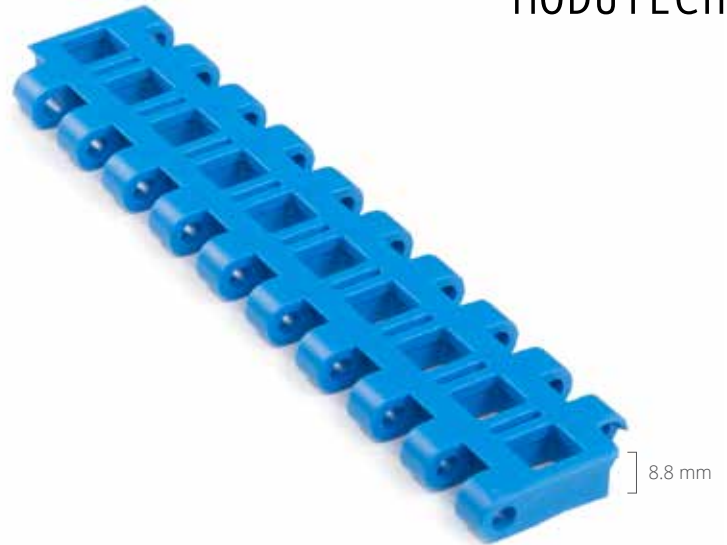
Filling, Accumulation Palletizing - Depalletizing, Box Transfer

- ***Textile Applications***

Cutter, Dyeing

XP254 FG

Pitch:	25.4 mm
Belt Surface:	Open, Smooth Surface
Minimum Width:	76,2 mm
Open Area (%):	%28. (Biggest opening 8.44x9.44 mm)
Flight:	Yes (T25, T50, T75, T100)
Sidewall:	Yes (h=25 mm, h=50 mm)
Rod:	Ø4.5 mm - Self Lock
Approved:	FDA and EU
Curve:	No
Color:	Additional colors available
Cleanability:	Good
Belt Thickness:	8.8 mm



Product Features and Functional Benefits

- Unique sprocket engagement - higher product load and longer conveyors.
- Unique sprocket engagement reduces pulsation and increases load capacity.
- Close transfer applications.
- High power, bi-directional belt for long conveyors.

Available Moulded Module Sizes

- 152.4 mm module
- 76.2 mm module

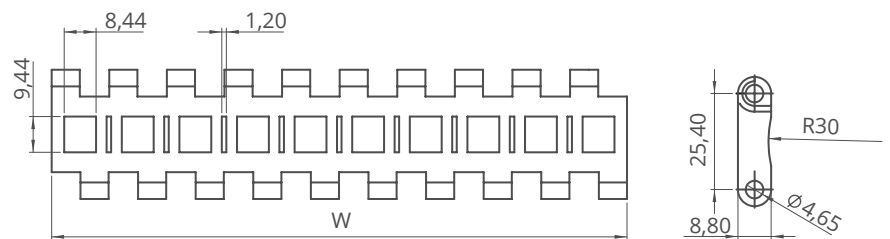
XP254 FG / Technical Information

BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		C (min.)	C (max.)	Kg/m ²
	Kg/m	N/m	Kg/m	N/m			
Polypropylene	1462	14620	-	-	+5	+90	5.50
Polyethylene	1300	13000	-	-	-73	+66	5.80
Acetal	1625	16250	-	-	-43	+110	7.90

- Belt strength and temperature values are maximum on the table.

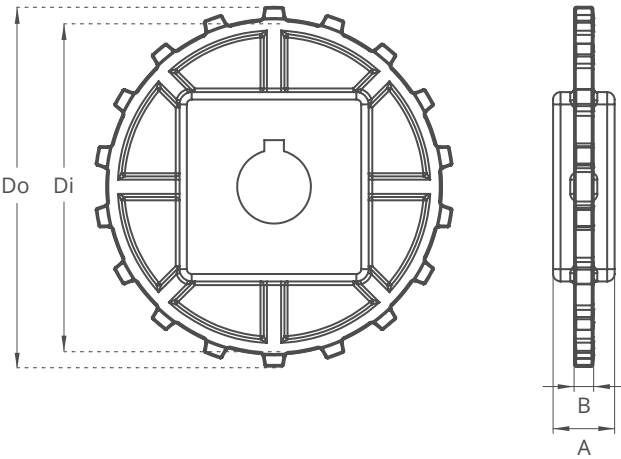
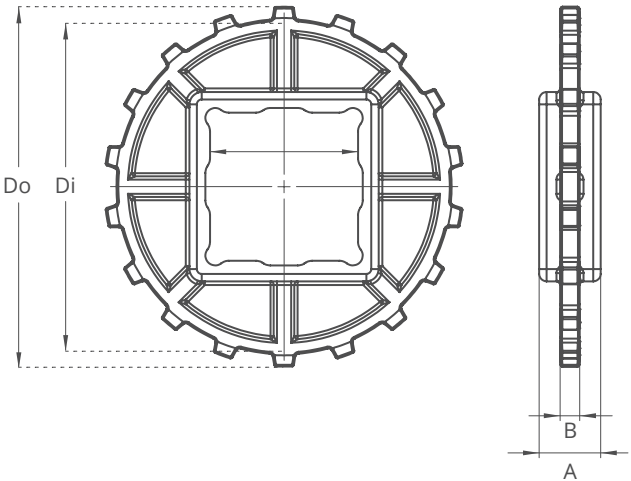
XP254 FG / Standard Belt Widths

BELT SERIES	WIDTH (W)				Belt With Tolerance (max.)
	PP-PE		POM		
	mm	inch	mm	inch	
XP254	152,4	6"	152,4	6"	± 0,5 mm
XP254	228,6	9"	228,6	9"	± 2 mm
XP254	304,8	12"	304,8	12"	± 2 mm
XP254	381	15"	381	15"	± 3 mm
XP254	457,2	18"	457,2	18"	± 3 mm
XP254	533,4	21"	533,4	21"	± 3 mm
XP254	609,6	24"	609,6	24"	± 3 mm
XP254	685,8	27"	685,8	27"	± 4 mm
XP254	762	30"	762	30"	± 4 mm
XP254	838,2	33"	838,2	33"	± 4 mm
XP254	914,4	36"	914,4	36"	± 4 mm
XP254	990,6	39"	990,6	39"	± 4 mm
XP254	1066,8	42"	1066,8	42"	± 4 mm
XP254	1143	45"	1143	45"	± 4 mm



- Standard belt increments 76.2 mm.
- Non standard belt increments 15 mm.
- Please contact with customer service for precise belt measurements.

XP254 Series *Sprockets and Technical Specifications*



XP254 Series / Standard Sprockets Dimensions

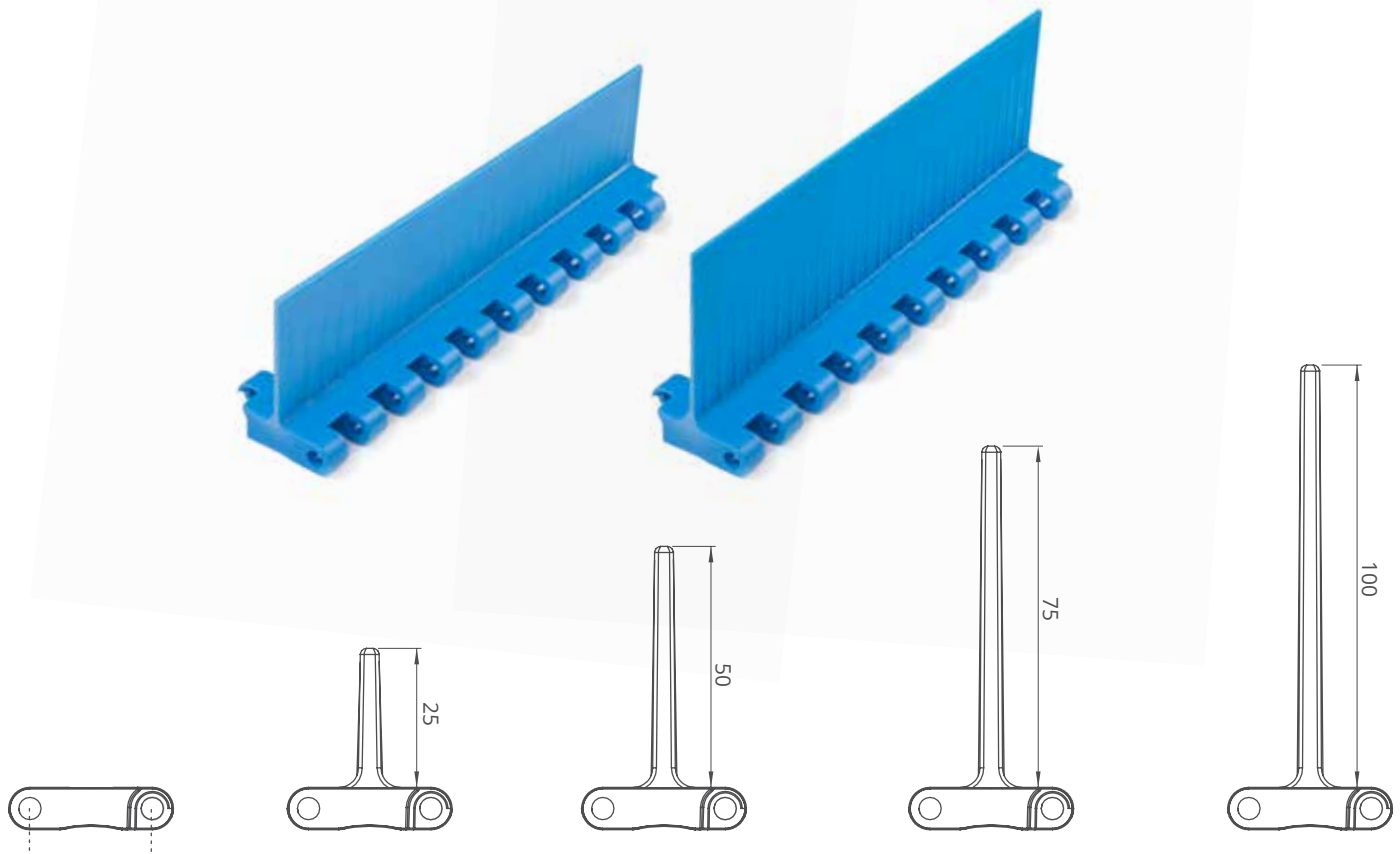
NO.TEETH	Di	Do	B	A	Square Bore (Q)	Round Bore (R)	PRODUCT CODE	
							Square Type (Q)	Round Type (R)
Z8	53.2 mm	64 mm	8.0 mm	25.0 mm	25.0 mm	25.0 / 30.0	XP254SQZ8*PA	XP254SRZ8*PA
Z10	71.6 mm	82.5 mm	8.0 mm	25.0 mm	40.0 mm	25.0 / 30.0	XP254SQZ10*PA	XP254SRZ10*PA
Z12	89.0 mm	99.5 mm	8.0 mm	25.0 mm	40.0 mm	25.0 / 30.0	XP254SQZ12*PA	XP254SRZ12*PA
Z15	114.0 mm	124.0 mm	8.0 mm	25.0 mm	40.0 / 60.0 mm	25.0 / 30.0	XP254SQZ15*PA	XP254SRZ15*PA
Z18	136.4 mm	146.4 mm	8.0 mm	25.0 mm	40.0 / 60.0 mm	25.0 / 30.0	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.
*Split sprockets are available for each size.



Clamb	Machined Split Sprocket	Moulded Sprocket	Machined Sprocket
-------	-------------------------	------------------	-------------------

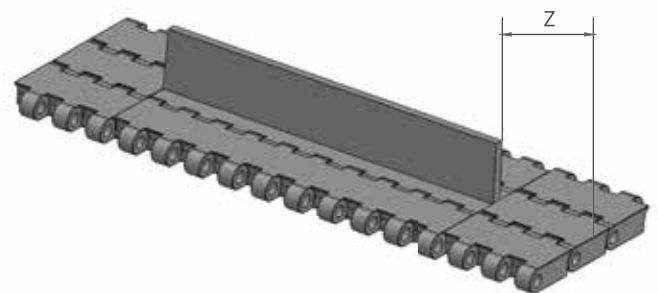
XP254 Series *Accessories and Technical Specifications*



* Additional flight dimensions are available up to 75 mm.

XP254 Series / Flight Technical Specifications

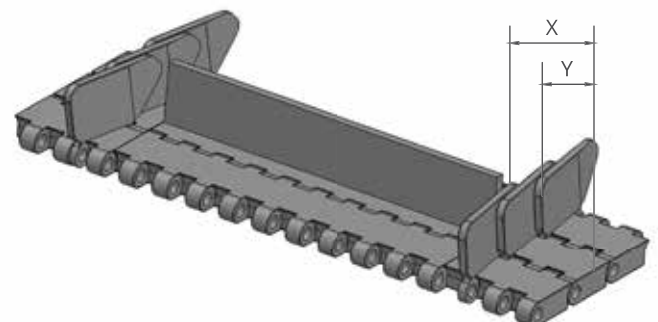
Possible Flight Indets for 25,4 mm Series	Z	
	(mm)	(inch)
Standart, no module cutting	15	0,59
Standart, no module cutting	30	1,18
Standart, no module cutting	45	1,77
Standart, no module cutting	60	2,36
Standart, no module cutting	75	2,95



*Non-standard flight indent is on request.

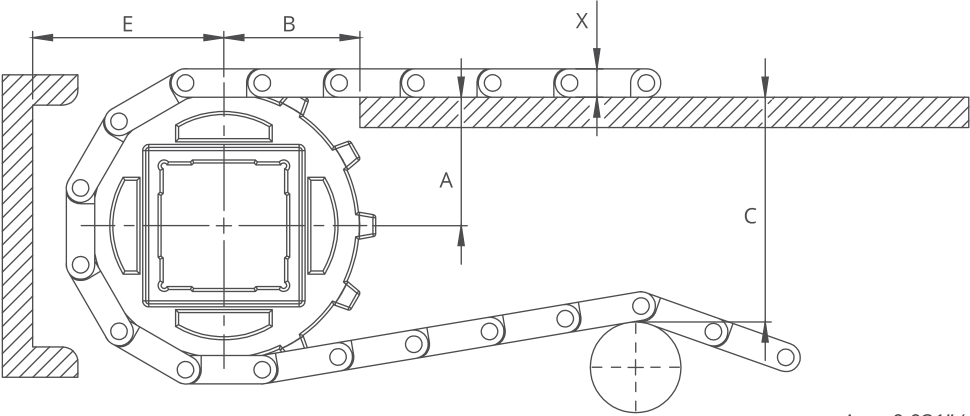
XP254 Series / Sidewall Technical Specifications

Possible Sidewall and Flight Indets	X		Y	
	(mm)	(inch)	(mm)	(inch)
Standart, no module cutting	24	0,94	15	0,59
Module cutting necessary	32	1,26	22	0,87
Standart, no module cutting	40	1,57	30	1,18
Module cutting necessary	48	1,89	37	1,46
Standart, no module cutting	56	2,20	45	1,77
Module cutting necessary	64	2,52	53	2,09



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

XP254 Series *Engineering Information*

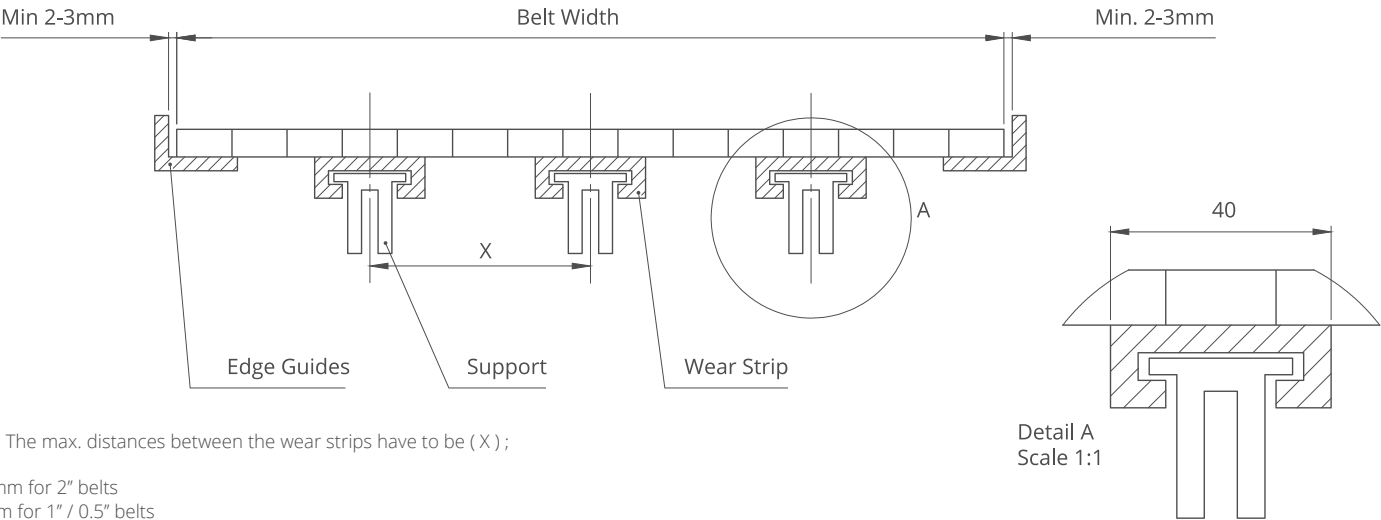


A - $\pm 0,031''$ (1mm) C - $\pm$ (Max.)
B - $\pm 0,125''$ (3mm) E - $\pm$ (Min.)

XP254 Series / Conveyor Frame Dimensions

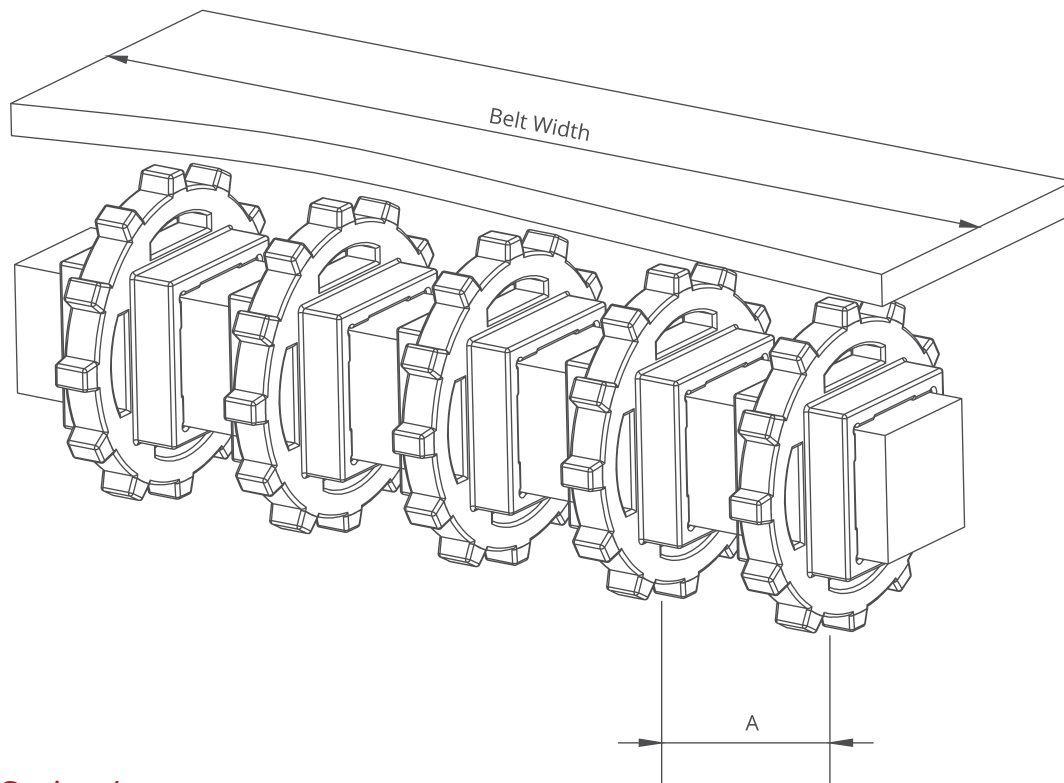
Sprockets Description			A		B		C		E		X	
Pitch Diameter		No.Teeth	Range (Bottom to Top)		In.	mm	In.	mm	In.	mm	In.	mm
In.	mm		In.	mm								
XP254 C, XP254 PR%22, XP254 FG												
3,07	78	10	1,45	36,75	1,65	42	2,36	60	2,23	56,75	0,39	10
3,70	94	12	1,79	45,5	1,77	45	2,95	75	2,58	65,5	0,39	10
4,61	117	15	2,15	54,5	2,01	51	3,35	85	2,93	74,5	0,39	10
5,59	142	18	2,76	70	2,17	55	4,33	110	3,54	90	0,39	10
XP 254 CR												
3,07	78	10	1,45	36,75	1,65	42	2,48	63	2,35	59,75	0,51	13
3,70	94	12	1,79	45,5	1,77	45	3,07	78	2,70	68,5	0,51	13
4,61	117	15	2,15	54,5	2,01	51	3,46	88	3,05	77,5	0,51	13
5,59	142	18	2,76	70	2,17	55	4,45	113	3,66	93	0,51	13

XP254 Series / Slider Support System For Straight Running Belts



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

125 mm for 2" belts
80 mm for 1" / 0.5" belts



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	2	2	60/2,36	170/6,6
228,6	9	2	2	60/2,36	170/6,6
304,8	12	3	2	60/2,36	170/6,6
381	15	4	3	60/2,36	170/6,6
457,2	18	5	3	60/2,36	170/6,6
533,4	21	5	3	60/2,36	170/6,6
609,6	24	6	3	60/2,36	170/6,6
685,8	27	6	4	60/2,36	170/6,6
762	30	7	4	60/2,36	170/6,6
838,2	33	7	4	60/2,36	170/6,6
914,4	36	8	4	60/2,36	170/6,6
990,6	39	8	5	60/2,36	170/6,6
1066,8	42	9	5	60/2,36	170/6,6
1143	45	9	5	60/2,36	170/6,6
1219,2	48	10	5	60/2,36	170/6,6
1295,4	51	10	6	60/2,36	170/6,6
1371,6	54	11	7	60/2,36	170/6,6
1447,8	57	11	7	60/2,36	170/6,6
1524	60	12	7	60/2,36	170/6,6
1600,2	63	12	8	60/2,36	170/6,6
1676,4	66	12	8	60/2,36	170/6,6
1752,6	69	13	8	60/2,36	170/6,6
1828,8	72	14	9	60/2,36	170/6,6
1905	75	14	9	60/2,36	170/6,6
1981,2	78	15	10	60/2,36	170/6,6
2057,4	81	15	10	60/2,36	170/6,6

Note: Number of sprockets depends on the belt load.

Narviflex HQ & Factory
Liesdonk 7
B-2440 Geel
Belgium
Tel : +32 14 59.11.31
E-Mail : info@narviflex.be

Narviflex Gent
Skaldenstraat 121 F2
B-9042 Gent
Belgium
Tel : +32 9 219.93.53
E-Mail : info@narviflex.be

Narviflex Liège
Rue de la Bureautique 8
B-4460 Grâce-Hollogne
Belgium
Tel : +32 4 228.82.20
E-Mail : info@narviflex.be

Narviflex Venlo
Spikweien 45
NL-5943 AC Lomm/Venlo
The Netherlands
Tel : +31 77 33.33.600
E-Mail : info@narviflex.nl

Narviflex Drachten
De Steven 13
NL-9206 AX Drachten
The Netherlands
Tel : +31 512 745.187
E-Mail : drachten@narviflex.nl



Narviflex
BELTING
**BLACK
BELT IN
BELTING!**



www.narviflex.eu

shop.narviflex.eu