FabLink®-HP50.8.C

Snack Food Applications

Potato Processing

Fruits and Vegetables Applications

Bulk Feeding, Elevator, Control Sorting Table, Filling

Automotive Applications

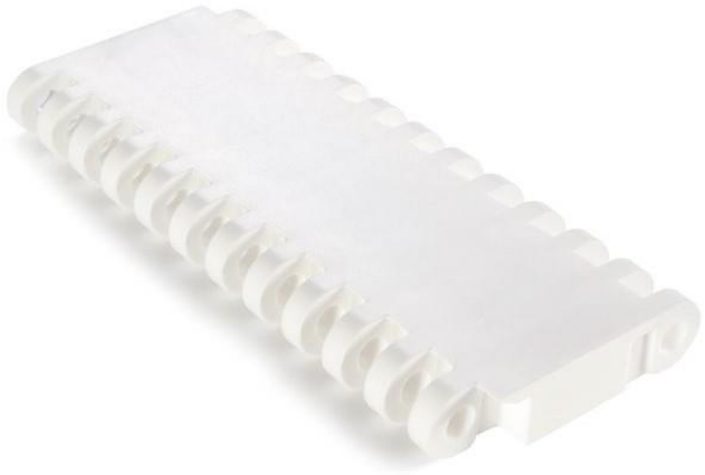
Chair Lift - Feader

Packaging Applications

Bluk Inclines, Box Transport Horizontal

FabLink®-HP50.8.C

Pitch	50.8 mm / 2 inch
Belt surface	Open, Smooth surface
Minimum width	152.4 mm / 6 inch
Open Area (%)	0%
Cleat	No
Sidewall	No
Pin	Ø 7 mm / 0,275 inch Self Lock
Approved	FDA and EU
Curve	No
Color	Additional colors available
Cleanability	Good
Belt thickness	16 mm / 0,629 inch



Product Features and Functional Benefits

Unique sprocket engagement reduces pulsation and increases load capacity.
High power, bi-directional belt for long conveyors.
Unique sprocket engagement - higher product load and longer conveyors.
Strong and thick product supports allow more load without breaking.
Impact resistance to withstand heavy objects falling into the belt.

Available Moulded Module Sizes

152,4 mm / 6 inch module

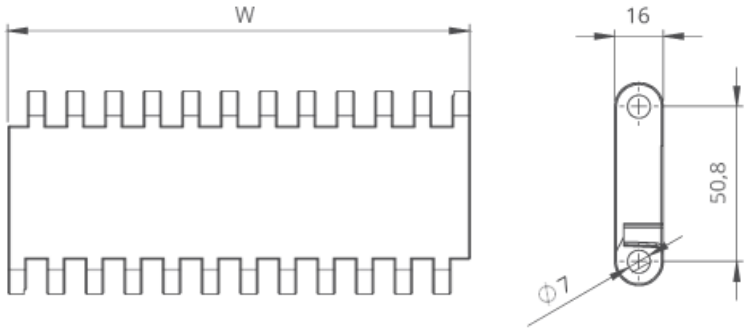
76,2 mm / 3 inch module

Technical Information

BELT MATERIAL	BELT STRENGTH				TEMPERATURE		BELT WEIGHT
	Straight		Curve		°C / ° F (min.)	°C / ° F (max.)	Kg/m² / lb/ft²
	N/mm	lb/ft	N/mm	lb/ft			
PP (Polypropylene)	34200	2343	-	-	+5 / +42.8	+90 / +194	7,8 - 1.60
PE (Polyethylene)	-	-	-	-	-	-	-
POM (Polyacetal)	45500	3117	-	-	-43 / -45.4	+110 / +230	12,2 - 2.50

Standard Belt Widths

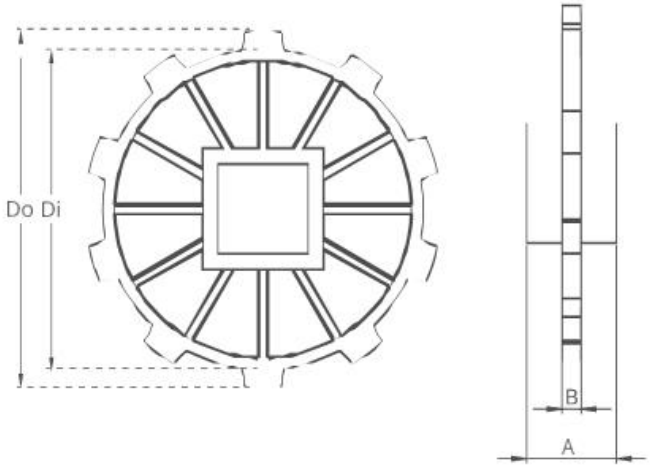
WIDTH (W)				BELT WIDTH TOLERANCE (max.)
PP-PE		POM		
mm	inch	mm	inch	
152,4	6.0	152,4	6.0	± 0,5 mm
228,6	9.0	228,6	9.0	± 2 mm
304,8	12.0	304,8	12.0	± 2 mm
381,0	15.0	381,0	15.0	± 2 mm
457,2	18.0	457,2	18.0	± 3 mm
533,4	21.0	533,4	21.0	± 3 mm
609,6	24.0	609,6	24.0	± 3 mm
685,8	27.0	685,8	27.0	± 3 mm
762,0	30.0	762,0	30.0	± 4 mm
838,2	33.0	838,2	33.0	± 4 mm
914,4	36.0	914,4	36.0	± 4 mm
990,6	39.0	990,6	39.0	± 5 mm
1066,8	42.0	1066,8	42.0	± 5 mm
1143,0	45.0	1143,0	45.0	± 5 mm

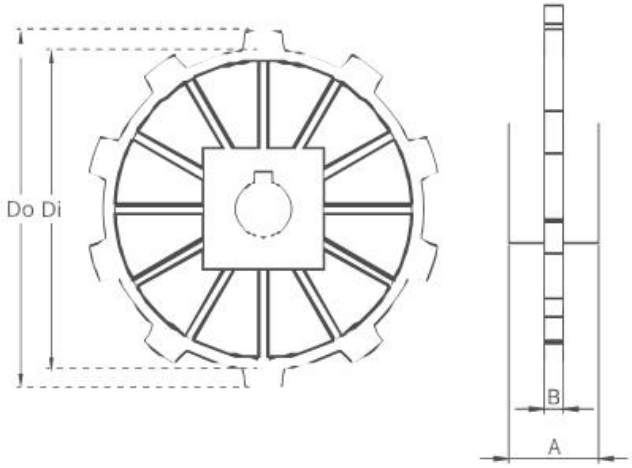


- Standard belt increments 76,2mm
- Non-standard belt increments 15,2mm

Please contact with customer service for precise belt measurements

Sprockets and Techincal Specifications





Standard Sprocket Dimensions

NUMBER OF 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	109,0 / 4.29	125,0 / 4.92	9,0 / 0.35	40 / 1.57	40 / 1.5	25-30 / 1-1.25	FL-HP-508SQZ8	FL-HP-508SRZ8
Z10	142,0 / 5.59	159,0 / 6.22	9,0 / 0.35	40 / 1.57	40 / 1.5	25-30 / 1-1.25	FL-HP-508SQZ10	FL-HP-508SRZ10

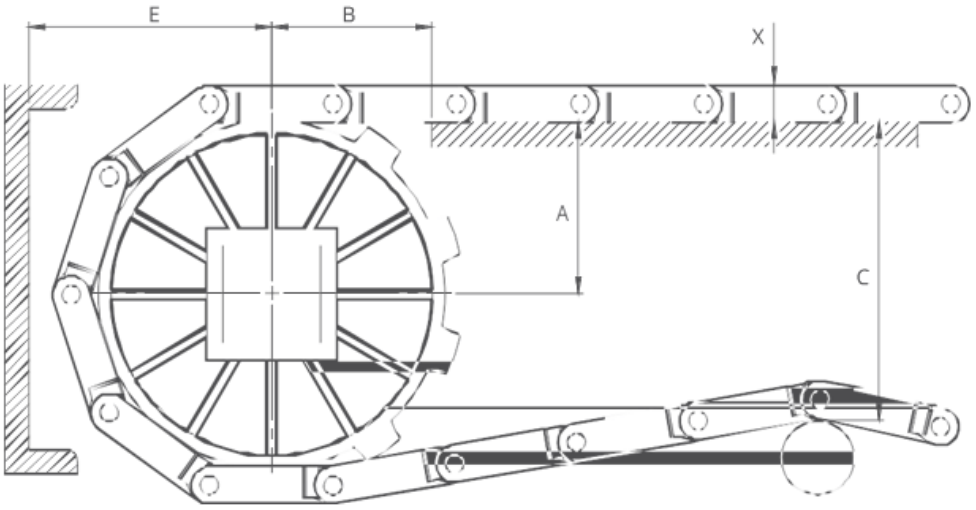
- Other sprockets and hub sizes are manufactured upon request
- POM (acetal) and PP (Polypropylene) sprockets are available upon request
- Machined split sprockets are available for each size

Clamp

Machines Split Sprocket

Moulded Sprocket

Machines Sprocket

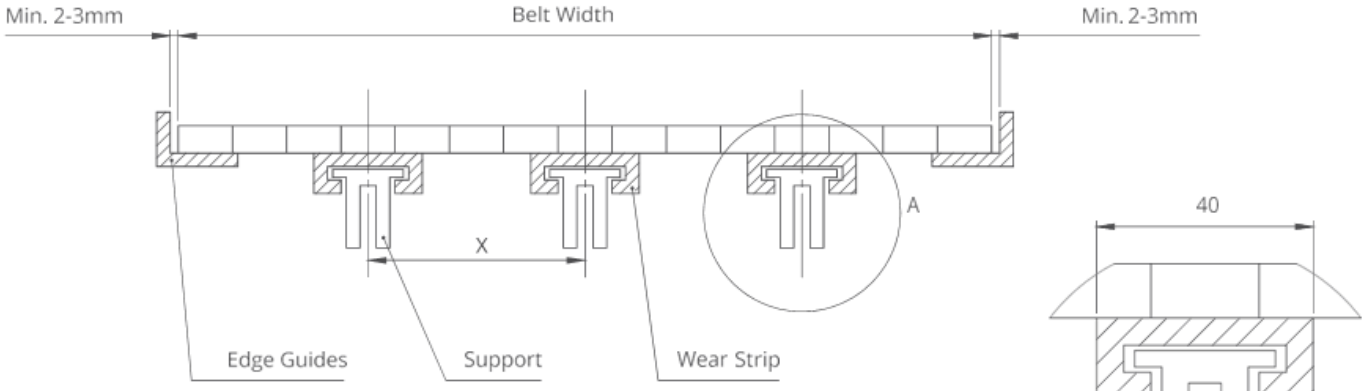


A - ± 0,031" (1mm)
B - ± 0,125" (3mm)
C - ± (Max.)
E - ± (Min.)

Conveyor Frame Dimensions

SPROCKETS DESCRIPTION			A		B		C		E		X	
Pitch Diameter		Number of teeth	Range (Bottom to Top)		inch	mm	inch	mm	inch	Mm	inch	mm
inch	mm		inch	Mm								
FabLink®HP50.8.C, FabLink®HP50.8.FG												
4.57	116.0	8	2.29	58.25	2.28	58.0	3.46	88.0	3.32	84.25	0.63	16.0
5.98	152.0	10	2.93	74.5	2.60	66.0	4.80	122.0	3.96	100.5	0.63	16.0
FabLink®HP50.8.RR												
4.57	116.0	8	2.29	58.25	2.28	58.0	3.78	96.0	3.63	92,25	0.94	24.0
5.98	152.0	10	2.93	74.5	2.60	66.0	5,12	130.0	4,27	108.5	0.94	24.0

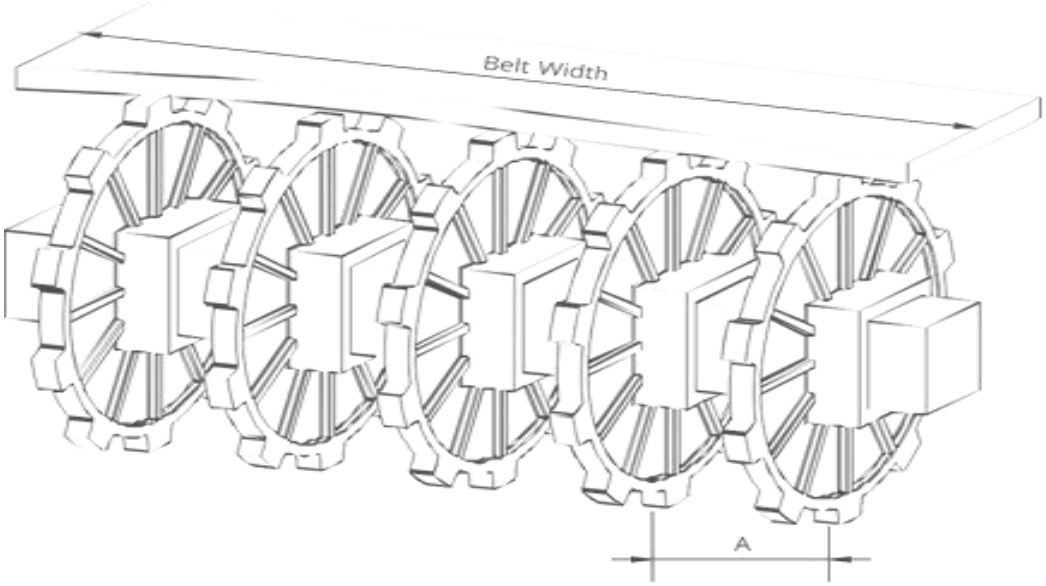
Slider Support System for Straight Running Belts



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



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	150 / 5.9
228,6	9.0	2	2	60 / 2.36	150 / 5.9
304,8	12.0	3	2	60 / 2.36	150 / 5.9
381,0	15.0	3	3	60 / 2.36	150 / 5.9
457,2	18.0	3	3	60 / 2.36	150 / 5.9
533,4	21.0	4	3	60 / 2.36	150 / 5.9
609,6	24.0	4	3	60 / 2.36	150 / 5.9
685,8	27.0	5	3	60 / 2.36	150 / 5.9
762,0	30.0	5	4	60 / 2.36	150 / 5.9
838,2	33.0	6	4	60 / 2.36	150 / 5.9
914,4	36.0	6	4	60 / 2.36	150 / 5.9
990,6	39.0	6	4	60 / 2.36	150 / 5.9
1066,8	42.0	7	5	60 / 2.36	150 / 5.9
1143,0	45.0	7	5	60 / 2.36	150 / 5.9
1219,2	48.0	8	6	60 / 2.36	150 / 5.9
1295,4	51.0	8	6	60 / 2.36	150 / 5.9
1371,6	54.0	9	6	60 / 2.36	150 / 5.9
1447,8	57.0	9	7	60 / 2.36	150 / 5.9
1524,0	60.0	9	7	60 / 2.36	150 / 5.9
1600,2	63.0	10	7	60 / 2.36	150 / 5.9
1676,4	66.0	10	8	60 / 2.36	150 / 5.9

1752,6	69.0	11	8	60 / 2.36	150 / 5.9
1828,8	72.0	12	9	60 / 2.36	150 / 5.9
1905,0	75.0	12	9	60 / 2.36	150 / 5.9
1981,2	78.0	12	9	60 / 2.36	150 / 5.9
2057,4	81.0	13	10	60 / 2.36	150 / 5.9
2133,6	84.0	14	10	60 / 2.36	150 / 5.9
2209,8	87.0	14	10	60 / 2.36	150 / 5.9
2286,0	90.0	15	11	60 / 2.36	150 / 5.9
2514,6	99.0	15	11	60 / 2.36	150 / 5.9
2743,2	108.0	16	12	60 / 2.36	150 / 5.9
2971,8	117.0	17	13	60 / 2.36	150 / 5.9
3200,4	126.0	18	14	60 / 2.36	150 / 5.9
3429,0	135.0	19	15	60 / 2.36	150 / 5.9
3657,6	144.0	20	16	60 / 2.36	150 / 5.9
3810,0	150.0	21	17	60 / 2.36	150 / 5.9

Note: number of sprockets depends on belt load