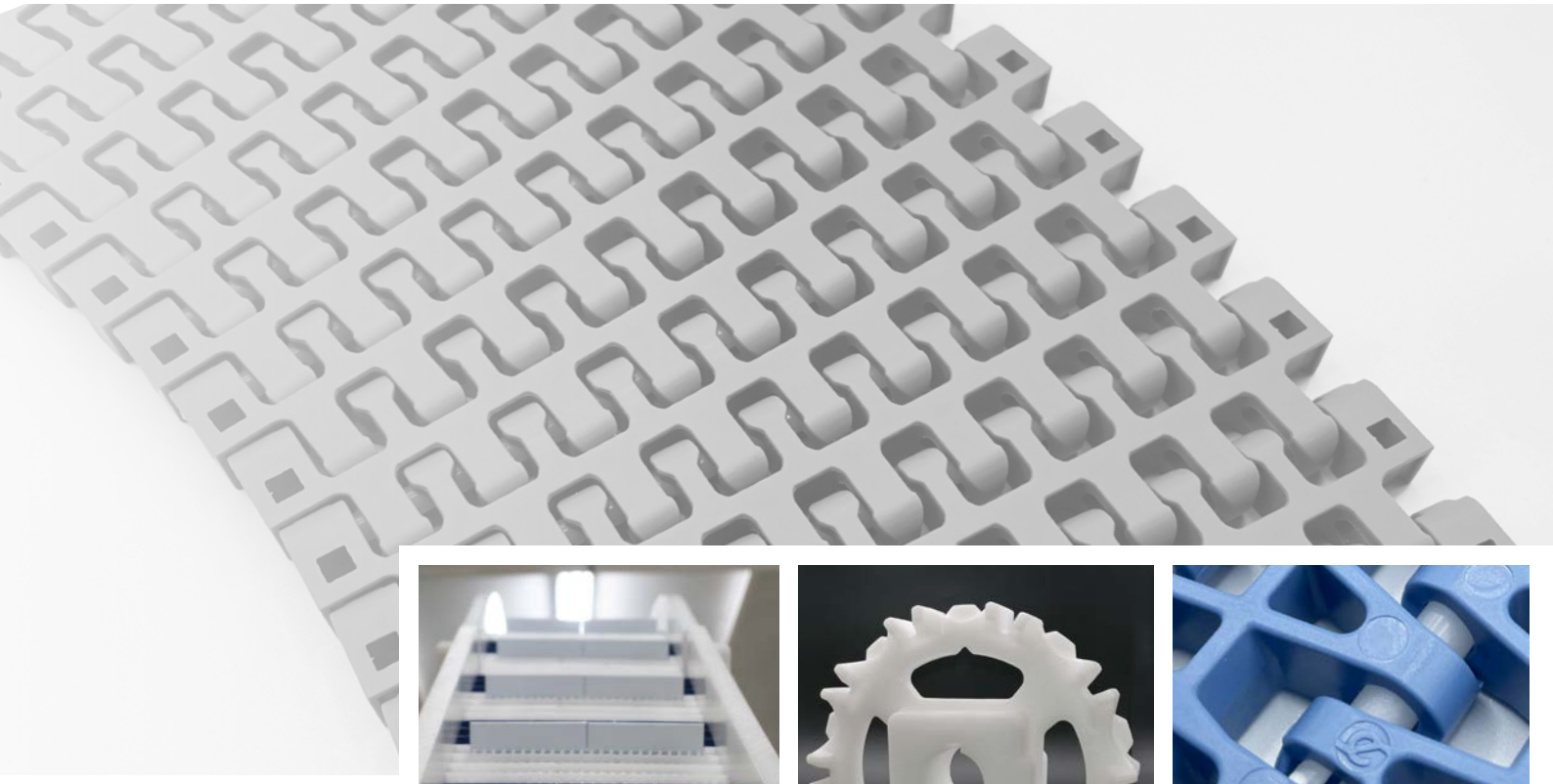
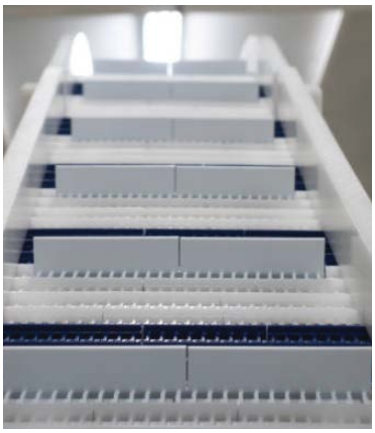
esbelt
Conveyor
belts

esbelt SWAPbelts





The **esbelt** Modulars

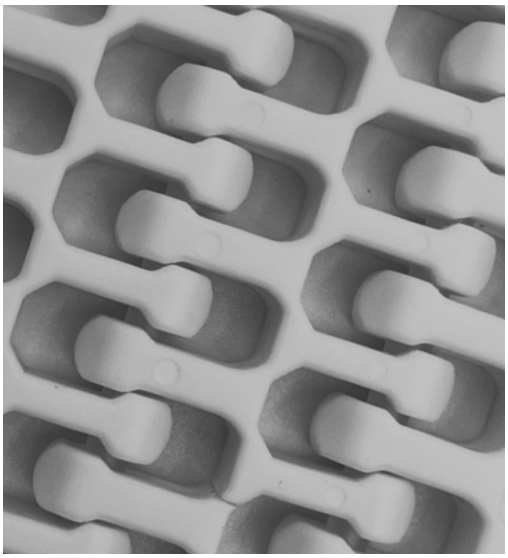
SWAPbelts, a conveying system that is flexible and resistant, made to improve industrial efficiency.

Made up of individual and interconnected modules, its design allows for quick and easy replacement in case of partial damage.

These belts are resistant to abrasion, chemicals and extreme temperatures. The uniform belt surface reduces the risk of product damage, ensures safe conveying and improves production efficiency.

Swapbelts modular belts can adapt to different configurations and specific requirements, like attaching flights, sidewalls or other accessories to the belts.

All in all, Esbelt´s Swapbelts are another option for increasing productivity and optimizing the conveying and processing of food or materials in demanding industrial environments.



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Materials

Polypropylene PP

Moderate resistance to abrasion and traction.
High chemical resistance.
Not suitable for freezing conditions.
Good resistance to high temperatures.
Caution against impacts below +8ºC.

Polyethylene PE

Limited abrasion resistance.
High impact resistance.
Suitable for freezing conditions.

Acetal POM

High resistance to abrasion.
Limited resistance to shocks and impacts.
Suitable for accumulations.
Low friction.
High load capacity.

Nylon PA

High resistance to abrasion and traction.
Not suitable for freezing conditions.
Good resistance to high temperatures.
Suitable for heavy, dry and abrasive applications.

Friction table

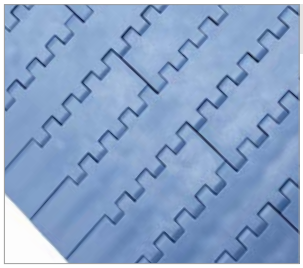
Material	UHMW	HOPE	Steel	Glass	Stainless steel	Plastic	Card-board	Alumi-nium
Polypropylene	0,32	0,24	0,15	0,09	0,13	0,08	0,15	0,25
Polyethylene	0,13	0,11	0,26	0,19	0,31	0,16	0,21	0,41
Acetal	0,11	0,09	0,27	0,16	0,26	0,15	0,19	0,28
Nylon	0,18	0,13	0,25	0,16	0,26	0,16	0,19	0,27

Module and rod combination

Application		Module	Rod
Standard	General dry use General wet use Chemical resistance Low temperature impact High dry load	PP PP PP PE POM	PA POM PP PE PA
Specific for meat	High wet load	POM	HK
Abrasive environment	Cutting at low temperature Dry >60ºC Dry >60ºC + high load Dry	POM PP POM POM	PE POM HK PA
High temperatures	Dry 60 - 105 ºC High dry load Tª 130º C Food contact > 145ºC Tª > 170º C	PP POM PA PA PA	PP PA PA inox inox

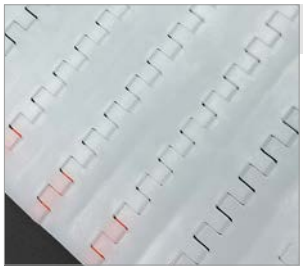
Types

FLAT



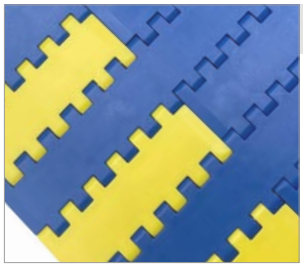
F152-11SBE

Surface: Flat top (0%)
Pitch: 15,2 mm
Straight
FDA & EU
- Food.



F254-2SBV

Surface: Flat top (0%)
Pitch: 25,4 mm
Straight
FDA & EU
- Meat & poultry processing.

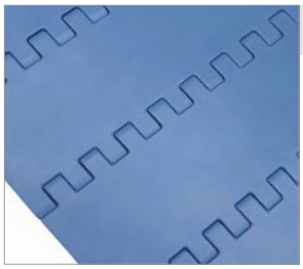


F254-5SB2V

Surface: Flat top (0%)
Pitch: 25,4 mm
Straight
FDA & EU
- Corrugated cardboard.

F272-7SBE

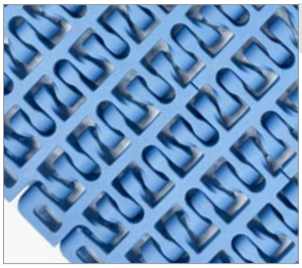
Surface: Flat top (0%)
Pitch: 27,2 mm
Straight
FDA & EU
- Automotive industry.
- Bakery.
- Meat processing.
- Cheese processing.



F508-1SBVE

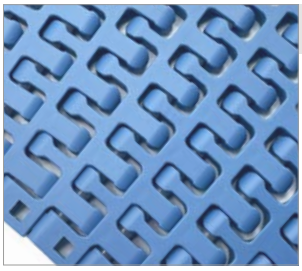
Surface: Flat top (0%)
Pitch: 50,8 mm
Straight
FDA & EU
- Meat & poultry processing.
- Fish and seafood.

GRID



G152-11SBE

Surface: Flush grid (28%)
Pitch: 15,2 mm
Straight
FDA & EU
- Food.
- Canning, bottling, packaging.
- Fruits and vegetables.

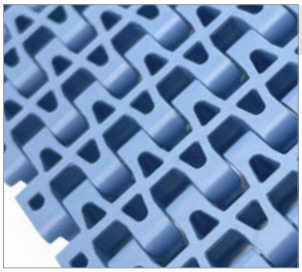


GC250-5SB

Surface: Flush grid (36%)
Pitch: 25 mm
Curve + spiral
FDA & EU
- Frozen bread.
- Cooling lines.

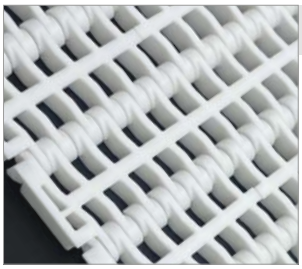
GC254-24SB

Surface: Flush grid (42%)
Pitch: 25,4 mm
Curve + spiral
FDA & EU
- Food.
- Canning, bottling, packaging.
- Pharmaceutical products.



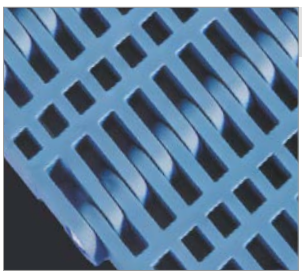
G254-25SB

Surface: Flush grid (31,7%)
Pitch: 25,4 mm
Straight
FDA & EU
- Bakery.
- Fish processing.



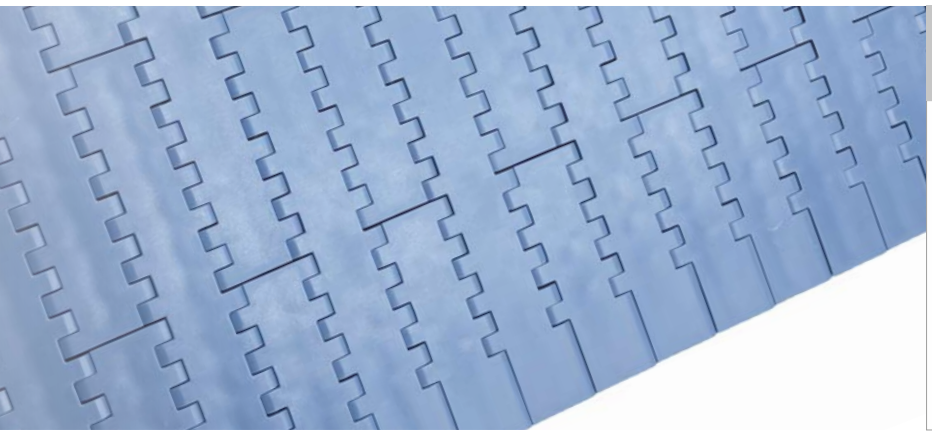
G272-7SBE

Surface: Flush grid (38%)
Pitch: 27,2 mm
Straight
FDA & EU
- Tires.
- Agriculture.

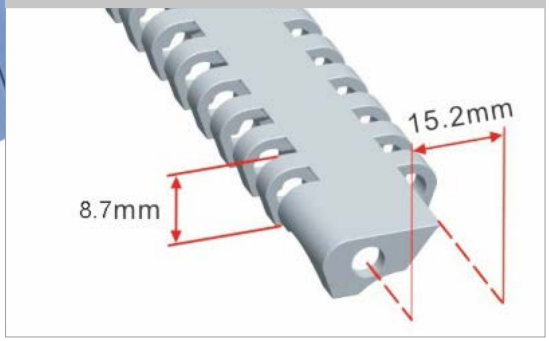


G500-36SB

Surface: Flush grid (27%)
Pitch: 50 mm
Straight
FDA & EU
- Fish and seafood.



F152-11SBE



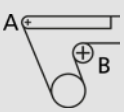
Pitch	Open area	FDA & EU	ø Rod	Flight	Sidewall	Curve
15,2 mm	0 %	✔	4,5 mm	✔	✖	✖

Material	Color	Resistance of the straight belt	Temperature		Belt weight
		Kg/m width	°C (min.)	°C (max.)	Kg/m²
Polypropylene PP	BL, WH*	744	1	100	5,2
Polyethylene PE	BL, NT*	450	- 60	60	6
Acetal POM	BL, WH*	1339	- 40	80	7,5

Widths

Modules		Minimum belt width (mm)	Width increments (mm)
Central (mm)	Side (mm)		
152,4	50,8 / 101,6	152,4	25,4

Minimum turning diameter

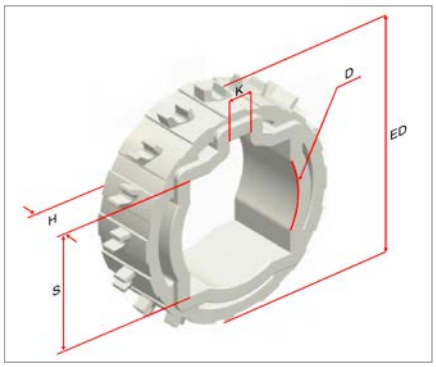


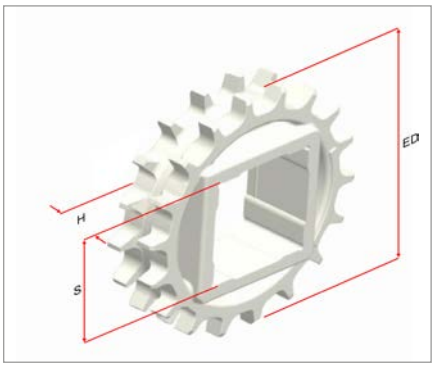
Flexing ø A (mm)	Back flexing ø B (mm)
25	60

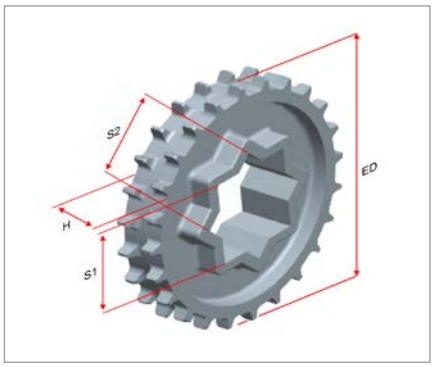
**Consult availability.*
BL= Blue, NT= Natural, WH= White.

Sprockets

Nº teeth	ø pitch PD (mm)	ø external ED (mm)	Square bore S (mm)	Round bore D (mm)	Width H (mm)	Keyway K (mm)
12	58,73	57,8	25,4 / 27	25,4	22,5	6,35 x 3,17
16	77,91	78	25,4 / 38,1 / 40	25 / 25,4 / 30 / 31,75 / 45	25	6,35 x 3,17
24	116,45	118	38,1 / 40	25,4 / 30 / 31,75 / 35 / 45 / 47	40	6,35 x 3,17
32	155,08	158	38,1 / 40	25,4 / 30 / 31,75 / 35 / 40	40	8 x 8
12-2R	58,73	58,5	25 / 25,4	25 / 25,4	25	8 x 8
16-2R	77,91	78,5	25,4 / 38,1 / 40	25 / 25,4 / 30	25	8 x 8
18-2R	87,53	88,5	25,4 / 38,1 / 40	25,4 / 30	25	8 x 8
20-2R	97,17	97,8	38,1 / 40	25,4	25	6,35 x 3,17
24-2R	116,45	117,7	25,4 / 38,1 / 40 / 50 / 60 / 63,5	25,4 / 30 / 31,75 / 38,1	25	6,35 x 3,17
26-2R	126,10	128,4	38,1 / 40 / 63,5	-	25	-
32-2R	155,08	157	38,1 / 40 / 60 / 63,5	25,4 / 30 / 31,75 / 35 / 40	25	6,35 x 3,17

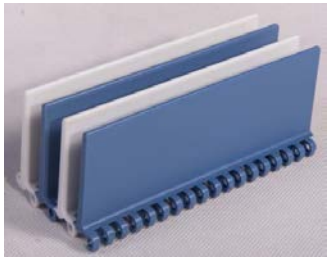


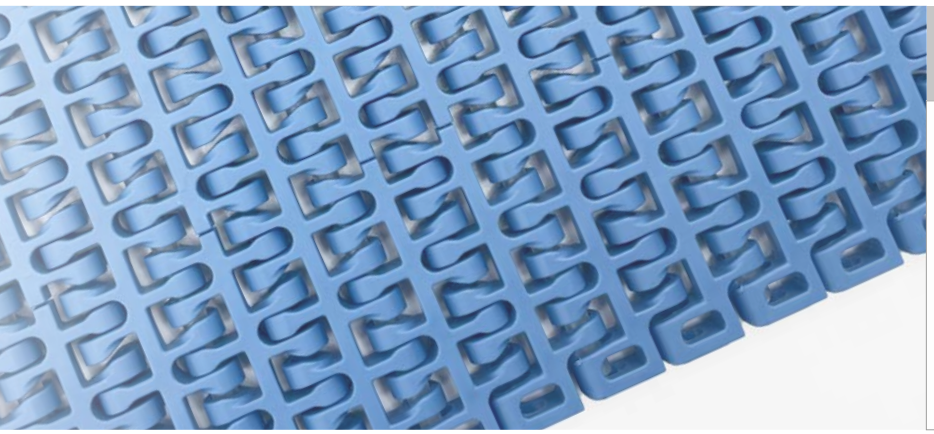




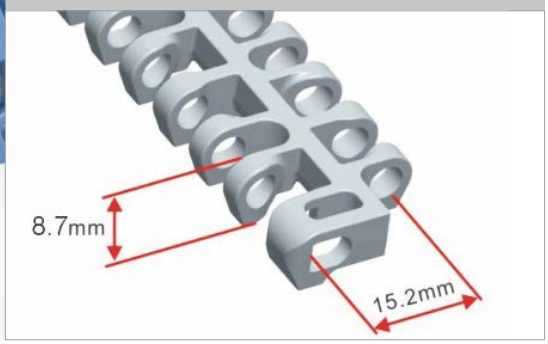
Accessories

Type	Height (mm)	Width (mm)	Molded indent (mm)
Straight flight	50,8	152,4	-





G152-11SBE



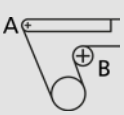
Pitch	Open area	FDA & EU	ø Rod	Flight	Sidewall	Curve
15,2 mm	28 %	✔	4,5 mm	✔	✖	✖

Material	Color	Resistance of the straight belt	Temperature		Belt weight
		Kg/m width	°C (min.)	°C (max.)	Kg/m²
Polypropylene PP	BL, WH*	1040	1	100	5,1
Polyethylene PE	BL, NT*	670	- 60	60	5,9
Acetal POM	BL, WH*	1650	- 40	80	7,4

Widths

Modules		Minimum belt width (mm)	Width increments (mm)
Central (mm)	Side (mm)		
152,4	50,8 / 101,6	152,4	25,4

Minimum turning diameter

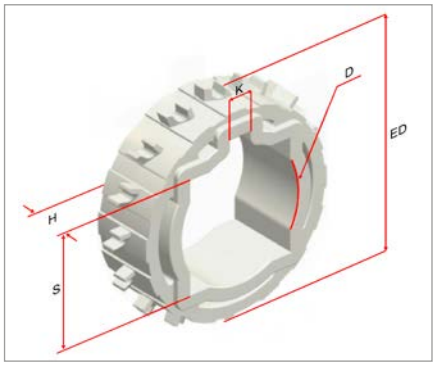


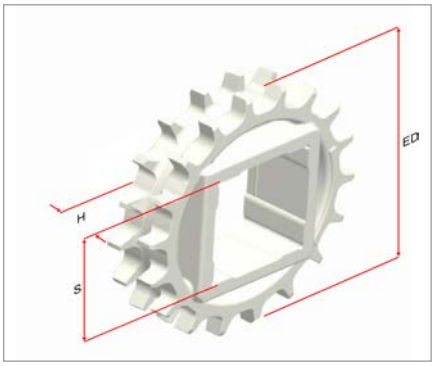
Flexing ø A (mm)	Back flexing ø B (mm)
25	60

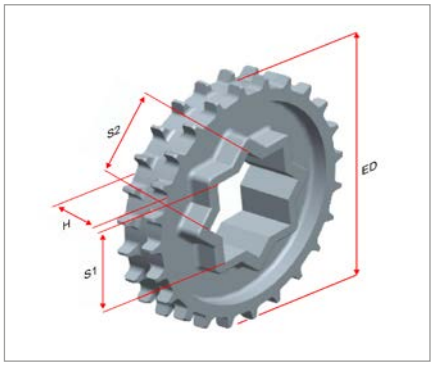
**Consult availability.*
BL= Blue, NT= Natural, WH= White.

Sprockets

Nº teeth	ø pitch PD (mm)	ø external ED (mm)	Square bore S (mm)	Round bore D (mm)	Width H (mm)	Keyway K (mm)
12	58,73	57,8	25,4 / 27	25,4	22,5	6,35 x 3,17
16	77,91	78	25,4 / 38,1 / 40	25 / 25,4 / 30 / 31,75 / 45	25	6,35 x 3,17
24	116,45	118	38,1 / 40	25,4 / 30 / 31,75 / 35 / 45 / 47	40	6,35 x 3,17
32	155,08	158	38,1 / 40	25,4 / 30 / 31,75 / 35 / 40	40	8 x 8
12-2R	58,73	58,5	25 / 25,4	25 / 25,4	25	8 x 8
16-2R	77,91	78,5	25,4 / 38,1 / 40	25 / 25,4 / 30	25	8 x 8
18-2R	87,53	88,5	25,4 / 38,1 / 40	25,4 / 30	25	8 x 8
20-2R	97,17	97,8	38,1 / 40	25,4	25	6,35 x 3,17
24-2R	116,45	117,7	25,4 / 38,1 / 40 / 50 / 60 / 63,5	25,4 / 30 / 31,75 / 38,1	25	6,35 x 3,17
26-2R	126,10	128,4	38,1 / 40 / 63,5	-	25	-
32-2R	155,08	157	38,1 / 40 / 60 / 63,5	25,4 / 30 / 31,75 / 35 / 40	25	6,35 x 3,17

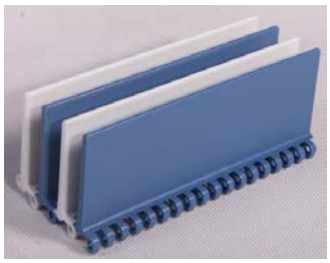


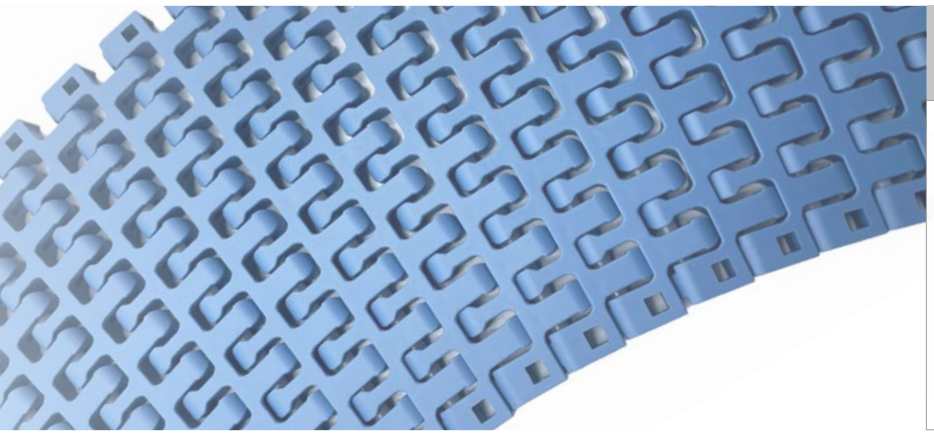




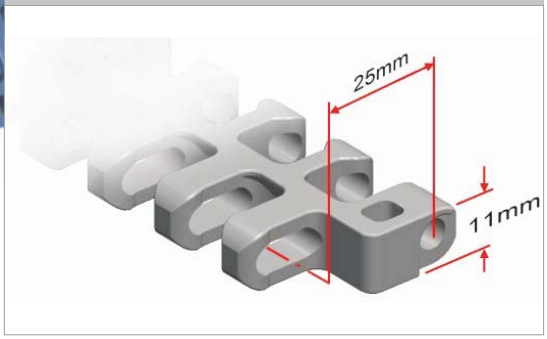
Accessories

Type	Height (mm)	Width (mm)	Molded indent (mm)
Straight flight	50,8	152,4	-





GC250-5SB

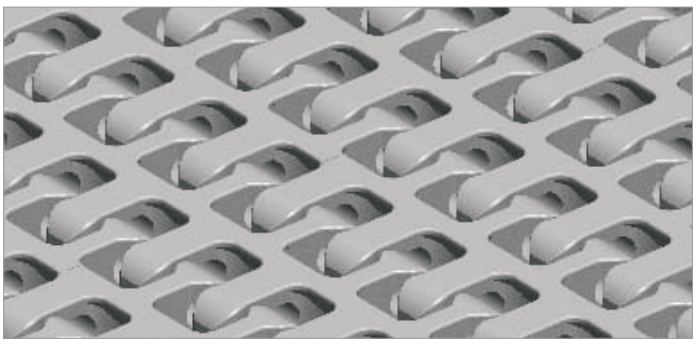


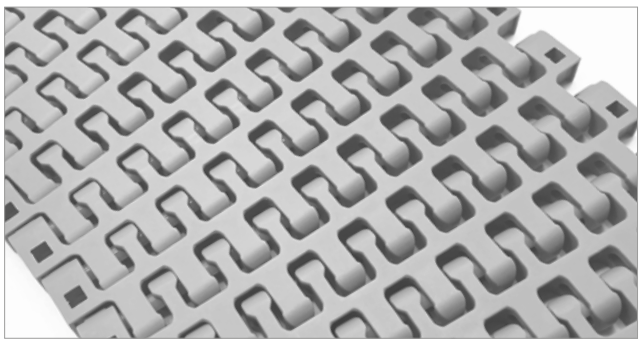
Pitch	Open area	FDA & EU	ø Rod	Flight	Sidewall	Curve
25 mm	36 %	✔	4,9 mm	✔	✔	✔

Material	Color	Resistance of the straight belt		Temperature		Belt weight
		Straight	Curve	°C (min.)	°C (max.)	Kg/m²
		Kg/m width	Kg/m width			
Polypropylene PP	BL, WH*	1060	106	1	100	5
Acetal POM	BL, WH*	1720	172	- 40	80	9,6

Widths

Modules		Minimum belt width (mm)	Width increments (mm)
Central (mm)	Side (mm)		
134	165	165	16,75

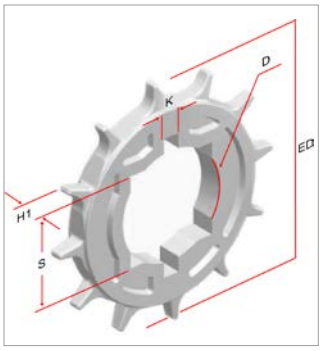




**Consult availability.*
BL= Blue, NT= Natural, WH= White.

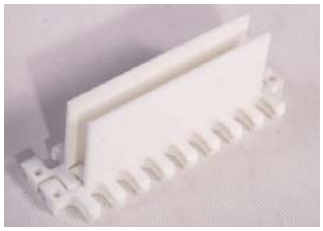
Sprockets

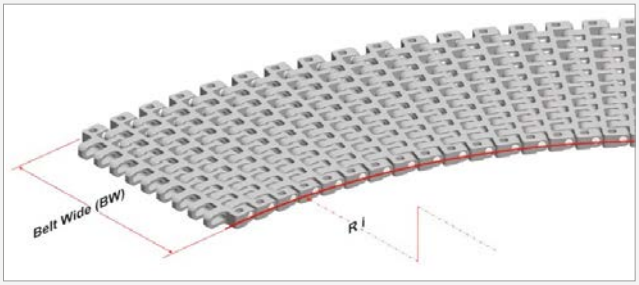
Nº teeth	ø pitch PD (mm)	ø external ED (mm)	Square bore S (mm)	Round bore D (mm)	Width 1 H1 (mm)	Width 2 H2 (mm)	Keyway K (mm)
12	96,59	100	25,4 / 38,1 / 39 / 40	25,4 / 28 / 30 / 31,75 / 35 / 40 / 46 / 47 / 50,8	11 / 18	-	8 x 8
18	143,97	148	25,4 / 38,1 / 40	25,4 / 30 / 31,75 / 35 / 36 / 40 / 45 / 47	18	-	8 x 8
24	191,53	200	38,1 / 40 / 50 / 60	-	30	-	-
8-2R	65,33	64,7	25,4	30	-	20	8 x 8
12-2R	96,59	100	38,1 / 39 / 40	25,4 / 30 / 45 / 47	-	20	8 x 8
15-2R	120,24	125,5	38,1 / 40 / 50,8	25 / 25,4 / 30 / 35 / 38,1 / 40 / 45 / 45 / 47	-	20	8 x 8
18-2R	143,97	148	38,1 / 40 / 45 / 60	25,4 / 30 / 40	-	20	8 x 8
20-2R	159,81	166	38,1 / 40 / 60	25,4 / 30 / 36	-	35	8 x 8
21-2R	167,74	173	38,1 / 40 / 60 / 63,5	45	-	35	8 x 8
24-2R	191,53	200	38,1 / 40 / 60	30	-	35	-



Accessories

Type	Height (mm)	Width (mm)	Molded indent (mm)
Straight flight	50	134	-
		164	20*2
Sidewall	25		

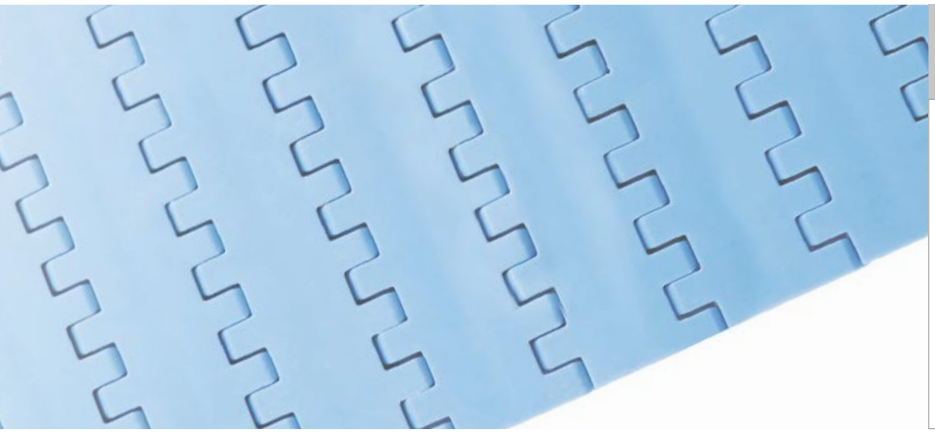




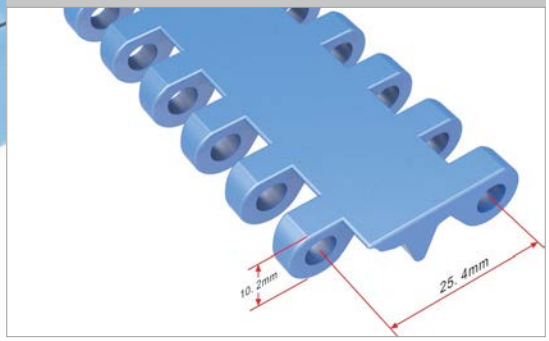
The **minimum** (inside) **turning radius** is 2,2 times the belt width under all feasible belt widths. 2,5 times the belt width is optimal.

The minimum straight section next to the drive and idler shaft of the belt should have a length of 2 times the belt width.

The minimum straight section between two turns of opposite direction should be 2 times the belt width in length.



F254-2SBV

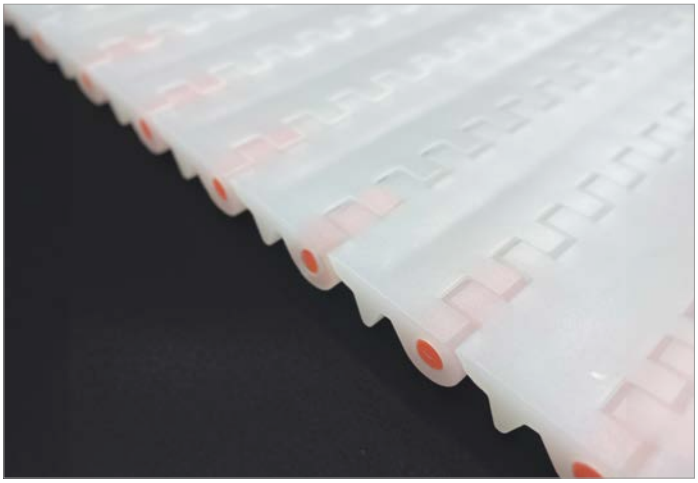


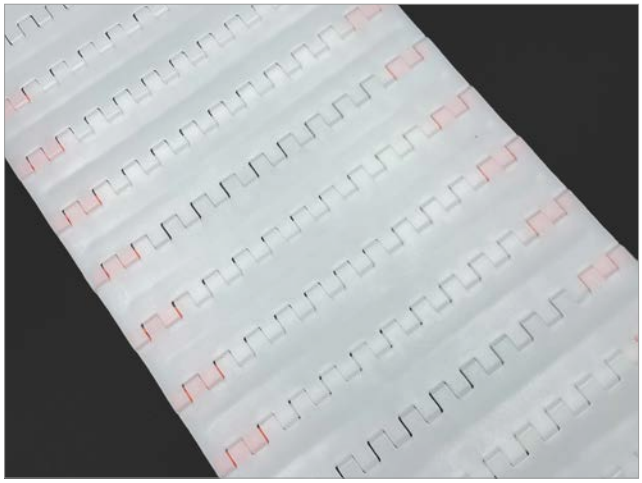
Pitch	Open area	FDA & EU	ø Rod	Flight	Sidewall	Curve
25,4 mm	0 %	✔	5,3 mm	✔	✔	✖

Material	Color	Resistance of the straight belt	Temperature		Belt weight
		Kg/m width	°C (min.)	°C (max.)	Kg/m²
Polypropylene PP	BL, WH	1155	1	100	5,6
Polyethylene PE	BL, NT	1105	- 60	60	5,8
Acetal POM	BL, WH	1520	- 40	80	8,9

Widths

Modules (mm)	Minimum belt width (mm)	Width increments (mm)
152,4 / 292,1	152,4	12,7

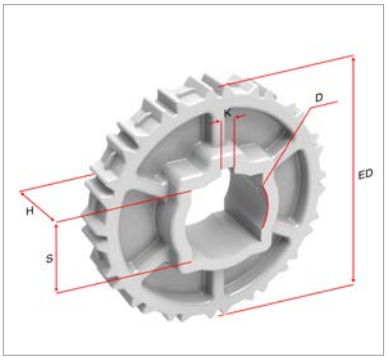




BL= Blue, NT= Natural, WH= White.

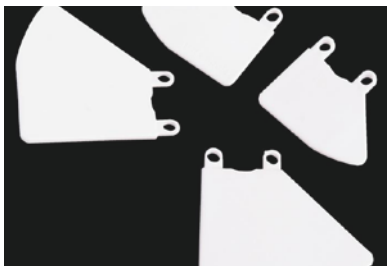
Sprockets

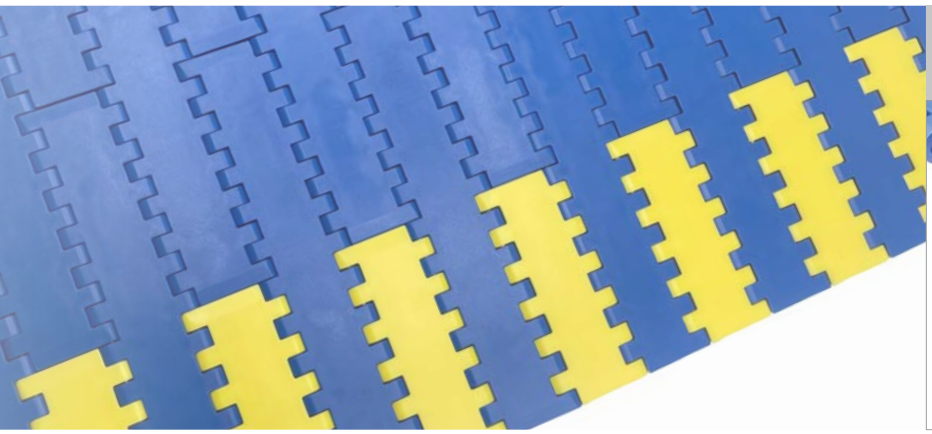
Nº teeth	ø pitch PD (mm)	ø external ED (mm)	Square bore S (mm)	Round bore D (mm)	Width H (mm)	Keyway K (mm)
8	66,37	61	25,4	25,4 / 30	22	6 x 6
10	82,20	79,6	38,1 / 40	25,4 / 38,1 / 45	22	7 x 7
12	98,14	94,5	25,4 / 38,1 / 40	19 / 25,4 / 30 / 31,75 / 45	38	7 x 7
16	130,20	127,4	38,1 / 40	25,4 / 30 / 45	38	7 x 7
20	162,37	160	38,1 / 40	25,4 / 45	38	7 x 7



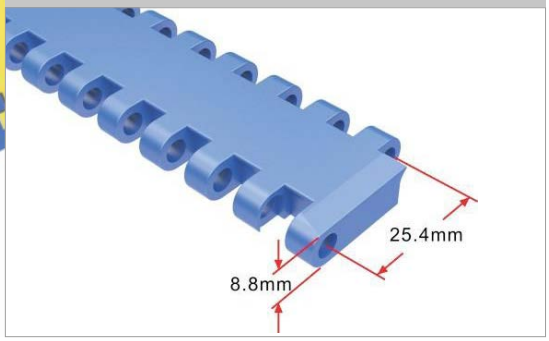
Accessories

Type	Height (mm)	Width (mm)	Molded indent (mm)
Straight flight	25	292,1	22
		152,4	23
	50	292,1	22
		152,4	23
	75	152,4	-
Sidewall	35		
	60		





F254-5SB2V

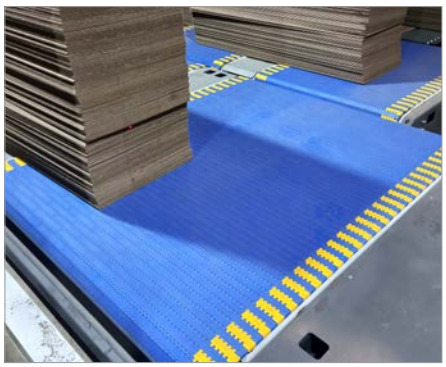


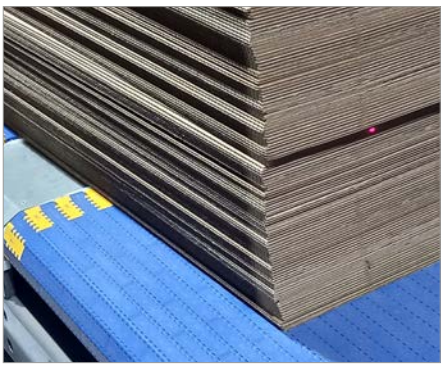
Pitch	Open area	FDA & EU	ø Rod	Flight	Sidewall	Curve
25,4 mm	0 %	✔	4,9 mm	✔	✔	✖

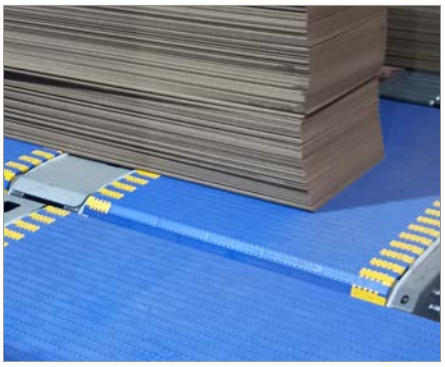
Material	Color	Resistance of the straight belt	Temperature		Belt weight
		Kg/m width	°C (min.)	°C (max.)	Kg/m²
Polypropylene PP	BL*, WH*	2000	1	100	5,4
Acetal POM	BL, WH*, YL	3500	- 40	80	8,3

Widths

Modules (mm)	Minimum belt width (mm)	Width increments (mm)
76 / 152	76	76



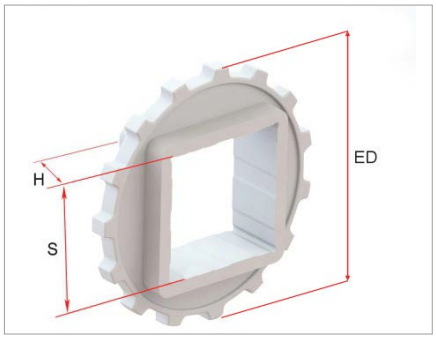


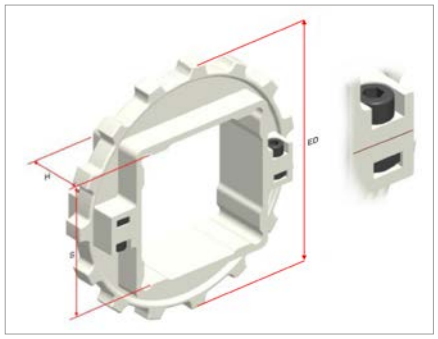


**Consult availability.*
BL= Blue, NT= Natural, WH= White, YL= Yellow

Sprockets

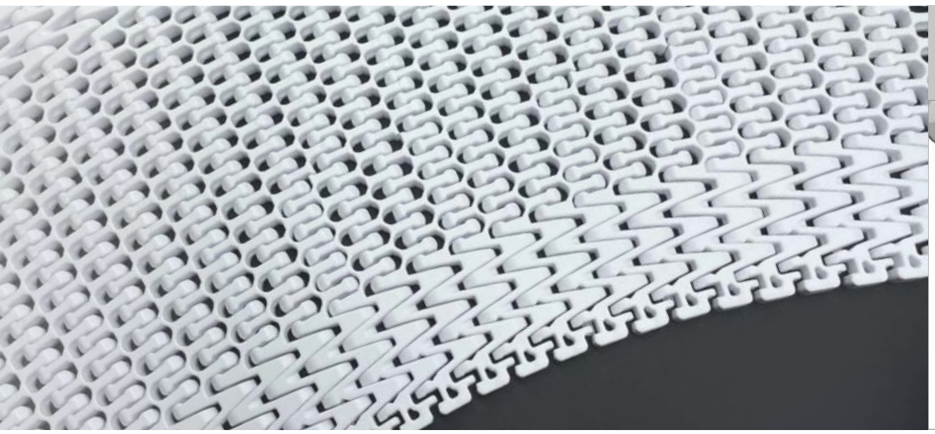
Nº teeth	ø pitch PD (mm)	ø external ED (mm)	Square bore S (mm)	Round bore D (mm)	Width H (mm)	Keyway K (mm)
10	82,20	80	38,1 / 40	25 / 25,4	25	8 x 8
12	98,14	96,7	38,1 / 40	25,4 / 30 / 38,1 / 40	25	8 x 8
12-Split	98,14	96,7	38,1 / 40	38,1	25	9,52 x 4,76
15	122,17	121,3	38,1 / 40 / 50 / 60 / 63,5	25,4 / 35 / 40 / 50	29,5	8 x 8
15-Split	122,17	121,3	38,1 / 40 / 50 / 60 / 63,5 / 65	-	33	-
18	146,27	146	38,1 / 40 / 45 / 50 / 60 / 63,5 / 64	25,4 / 30 / 50	25	8 x 8
18-Split	146,27	146	38,1 / 40 / 60 / 63,5	50,8	35	14 x 5
19-Split	154,32	154,5	38,1 / 40 / 50 / 50,8 / 60 / 65	-	35	-
24-Split	194,60	194	60 / 65	-	52	-



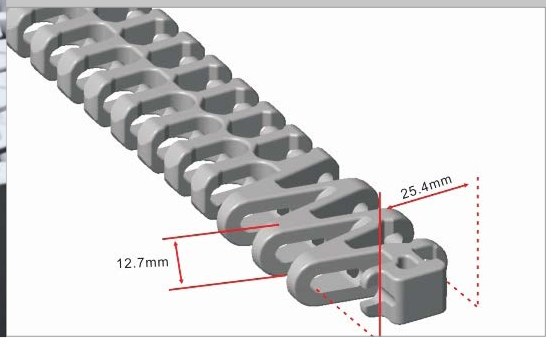


Accessories

Type	Height (mm)	Width (mm)	Molded indent (mm)
Straight flight	10	152	-



GC254-24SB

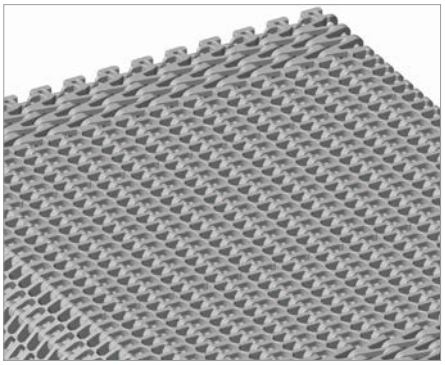


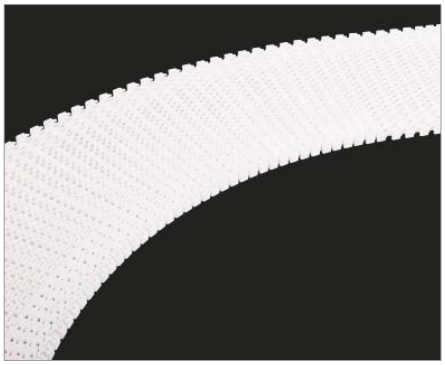
Pitch	Open area	FDA & EU	ø Rod	Flight	Sidewall	Curve
25,4 mm	42 %	✔	4,5 mm	✖	✖	✔

Material	Color	Resistance of the straight belt		Temperature		Belt weight
		Straight	Curve	°C (min.)	°C (max.)	Kg/m²
		Kg/m width	Kg/m width			
Polypropylene PP	BL*, WH*	890	89	1	100	5,9
Acetal POM	BL, WH	890	89	- 40	80	8,5

Widths

Modules		Minimum belt width (mm)	Width increments (mm)
Central (mm)	Side (mm)		
152,4	123 / 180	303	12,7

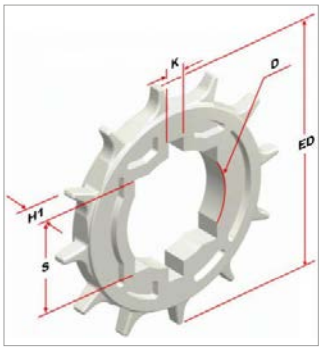


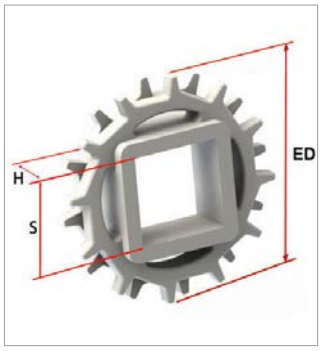


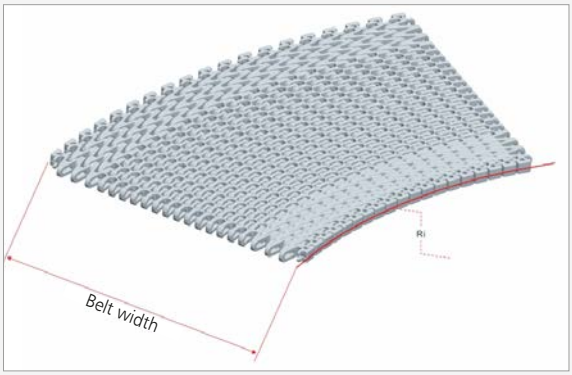
**Consult availability.*
BL= Blue, NT= Natural, WH= White.

Sprockets

Nº teeth	ø pitch PD (mm)	ø external ED (mm)	Square bore S (mm)	Round bore D (mm)	Width H (mm)	Keyway K (mm)
12	98,14	100	25,4 / 38,1 / 39 / 40	25,4 / 28 / 30 / 31,75 / 35 / 40 / 46 / 47 / 50,8	18	8 x 8
18	146,27	148	25,4 / 38,1 / 40	25,4 / 30 / 31,75 / 35 / 36 / 40 / 45 / 47	18	8 x 8
24	194,60	200	38,1 / 40 / 50 / 60	-	30	-
9-2R	74,27	74	25,4	25,4	25	6,35 x 3,17
12-2R	98,14	102	38,1 / 40	-	25	-
16-2R	130,20	132	38,1 / 40	25,4 / 38,1	25	6,35 x 3,17
20-2R	162,37	163	38,1 / 40	25,4 / 38,1	25	6,35 x 3,17



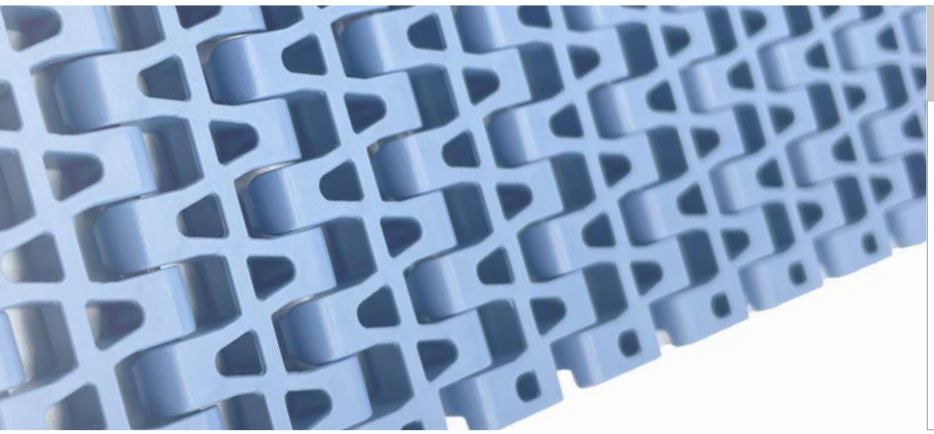




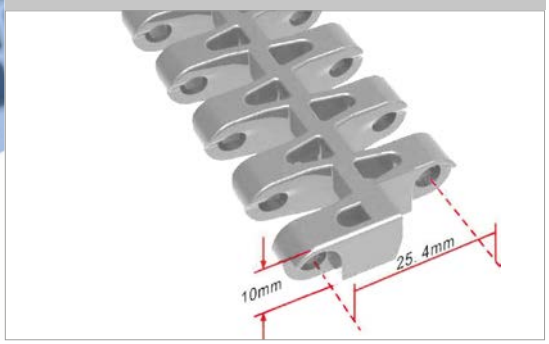
The **minimum** (inside) **turning radius** is 1,7 times the belt width under all feasible belt widths, 2,0 times the belt width is optimal.

The minimum straight section next to the drive shaft and the belt idler shaft should be 2 times the belt width.

The minimum straight section between two turns of opposite direction should be 2 times the belt width in length.



G254-25SB

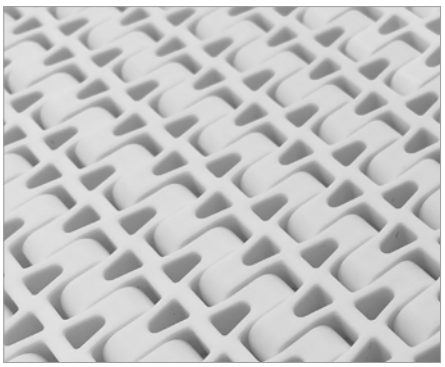


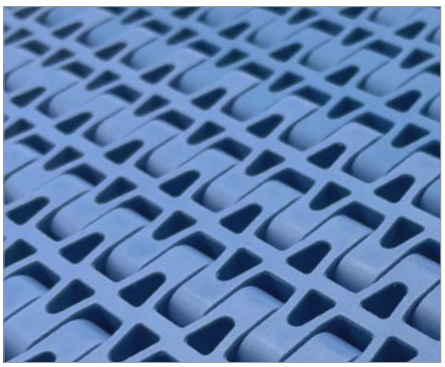
Pitch	Open area	FDA & EU	ø Rod	Flight	Sidewall	Curve
25,4 mm	31,7 %	✔	4,9 mm	✔	✖	✖

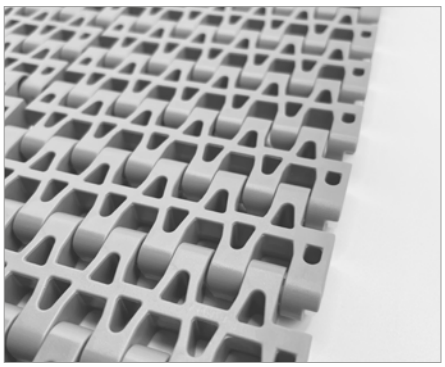
Material	Color	Resistance of the straight belt	Temperature		Belt weight
		Kg/m width	°C (min.)	°C (max.)	Kg/m²
Polypropylene PP	BL, WH	1060	1	110	5,15
Polyethylene PE	BL, NT	1030	- 60	60	5,41
Acetal POM	BL, WH	1720	- 40	85	8,15

Widths

Modules Side (mm)	Minimum belt width (mm)	Width increments (mm)
50,25 / 100,5 / 201	50,25	16,75



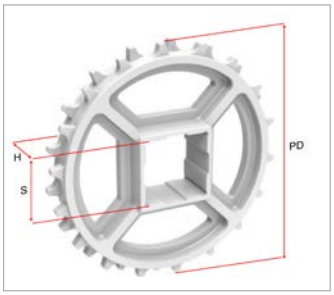


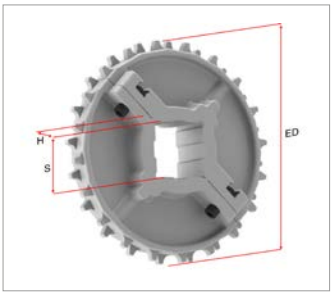


**Consult availability.*
BL= Blue, NT= Natural, WH= White.

Sprockets

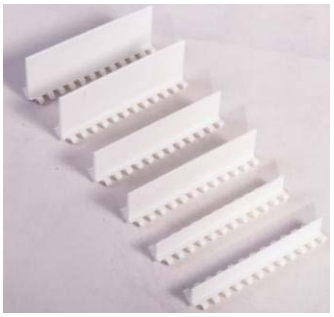
Nº teeth	ø pitch PD (mm)	ø external ED (mm)	Square bore S (mm)	Round bore D (mm)	Width H (mm)	Keyway K (mm)
8-2R	66,37	65,6	-	25,4 / 30	30	8 x 8
10-2R	82,20	82,5	25,4 / 38,1 / 40	25,4 / 30 / 31,75	30	8 x 8
12-2R	98,14	99	38,1 / 40	25 / 25,4 / 30 / 32	20	8 x 8
15-2R	122,17	124	38,1 / 40	25,4 / 30 / 35	20	8 x 8
16-2R	130,20	131,5	38,1 / 40	30	20	8 x 8
18-2R	146,27	148,5	38,1 / 40 / 60	25,4 / 30 / 31,75	20	8 x 8
20-2R	162,37	164,5	38,1 / 40 / 60 / 70	-	30	-
20-2R-Split	162,37	164,5	38,1 / 40 / 60	-	40	-

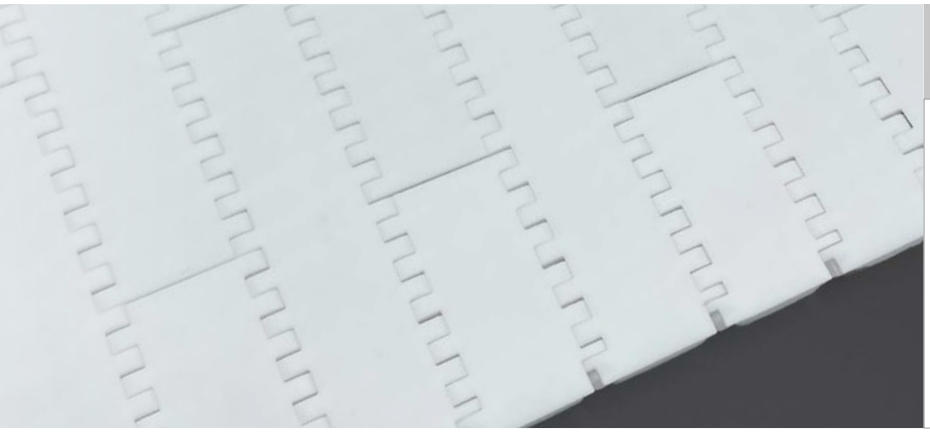




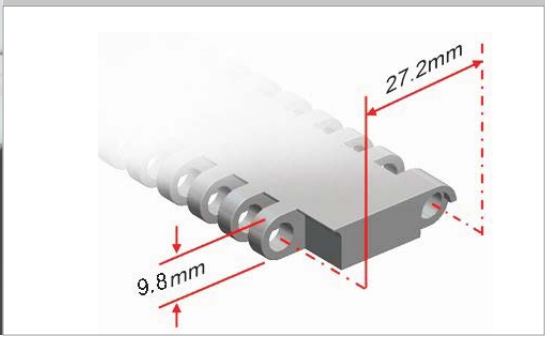
Accessories

Type	Height (mm)	Width (mm)	Molded indent (mm)
Straight flight	25	201	-
	50		
	75		





F272-7SBE

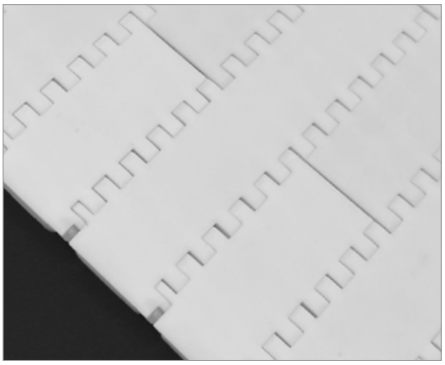


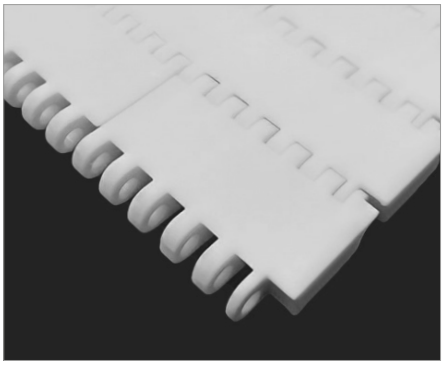
Pitch	Open area	FDA & EU	ø Rod	Flight	Sidewall	Curve
27,2 mm	0 %	✔	4,5 mm	✔	✔	✖

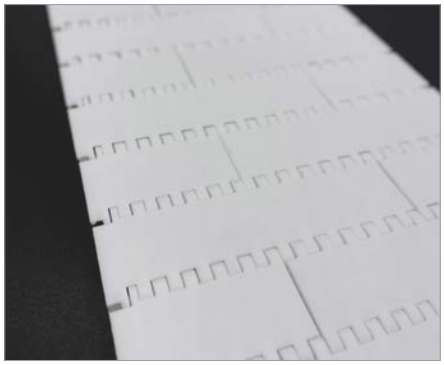
Material	Color	Resistance of the straight belt	Temperature		Belt weight
		Kg/m width	°C (min.)	°C (max.)	Kg/m²
Polypropylene PP	BL, WH	1340	1	100	4,9
Polyethylene PE	BL, NT*	1060	- 60	60	5,7
Acetal POM	BL, WH	1880	- 40	80	6,8

Widths

Modules		Minimum belt width (mm)	Width increments (mm)
Central (mm)	Side (mm)		
152,4	50,8 / 101,6	152,4	≈ 8,47



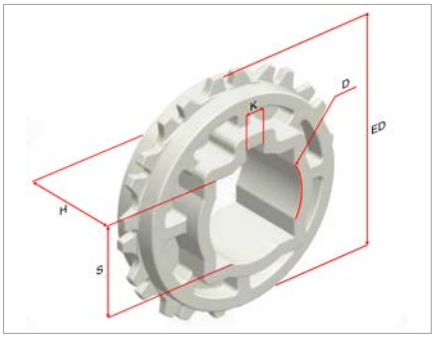


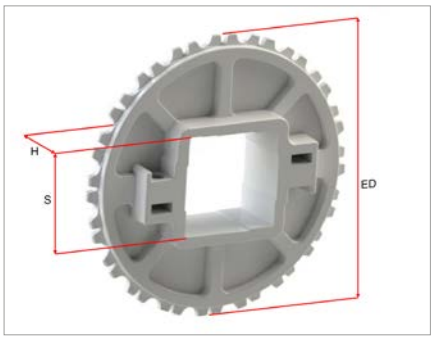


**Consult availability.*
BL= Blue, NT= Natural, WH= White.

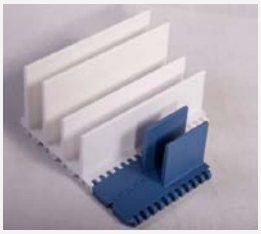
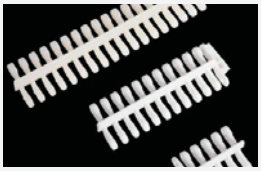
Sprockets

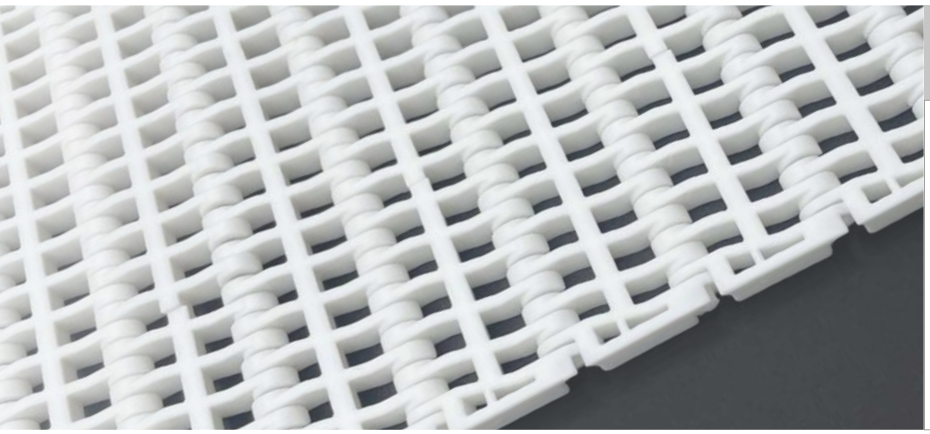
Nº teeth	ø pitch PD (mm)	ø external ED (mm)	Square bore S (mm)	Round bore D (mm)	Width H (mm)	Keyway K (mm)
6	54,40	52,3	25,4	-	18,5	-
9	79,53	79,8	25,4 / 38,1 / 40	25,4	21,5	6,35 x 3,17
10	88,02	87,5	25,4 / 38,1 / 40	25,4 / 30	18,8	6,35 x 3,17
12	105,09	105,5	25,4 / 30 / 38,1 / 40	25,4 / 30 / 31,75 / 35 / 38,1 / 45 / 47 / 50	35	6,35 x 3,17
17	148,03	152	-	114	35	4,5 x 4,5
18	156,64	157,8	38,1 / 40 / 50 / 60 / 63,5	25,4 / 30 / 31,75 / 35 / 38,1 / 40 / 46 / 47	35	6,35 x 3,17
20	173,87	175	38,1 / 40 / 60	25,4 / 30 / 31,75 / 38,1	35	6,35 x 3,17
20-Split	173,87	175	60	31,75 / 30	40	6,35 x 3,17
24	208,39	209,8	38,1 / 40	25,4 / 30 / 38,1 / 45	35	8 x 8



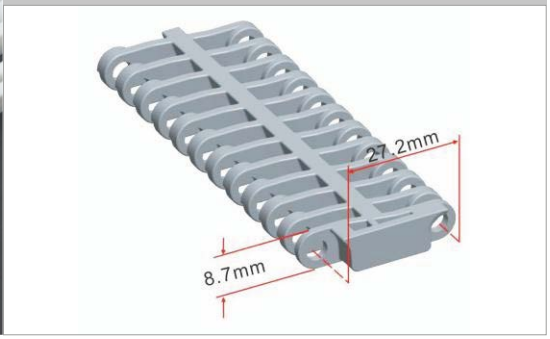


Accessories

Type		Height (mm)	Width (mm)	Molded indent (mm)
Straight flight		25	152,4	-
			101,6	50,8
		50	152,4	-
			101,6	50,8
		75	152,4	-
			101,6	50,8
Pop-up flight		30	152,4	-
Straight flight		4,5	152,4	-
			50,8 / 101,6	6,5
Sidewall		35		
		50		
		80		



G272-7SBE

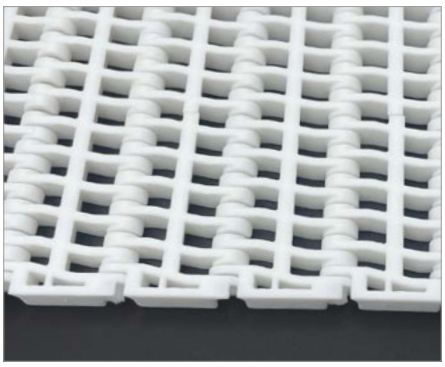


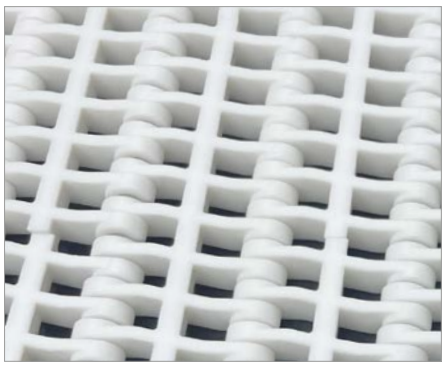
Pitch	Open area	FDA & EU	ø Rod	Flight	Sidewall	Curve
27,2 mm	38 %	✔	4,5 mm	✔	✔	✖

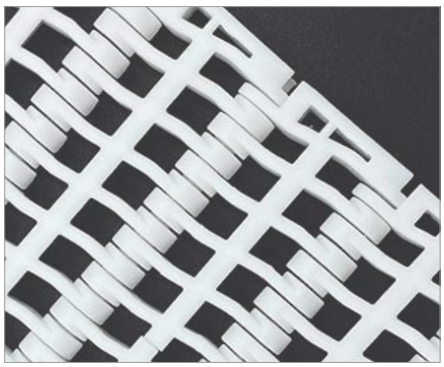
Material	Color	Resistance of the straight belt	Temperature		Belt weight
		Kg/m width	°C (min.)	°C (max.)	Kg/m²
Polypropylene PP	BL, WH	1040	1	100	4
Polyethylene PE	BL, NT*	520	- 60	60	4,8
Acetal POM	BL*, WH	1620	- 40	80	6,2

Widths

Modules		Minimum belt width (mm)	Width increments (mm)
Central (mm)	Side (mm)		
152,4	50,8 / 101,6	152,4	≈ 8,47



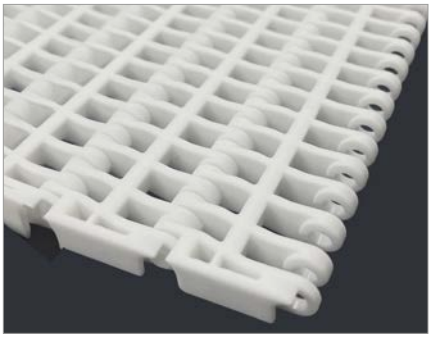


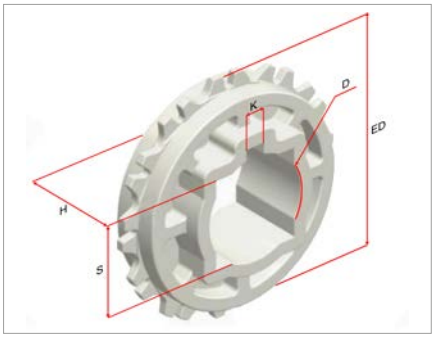


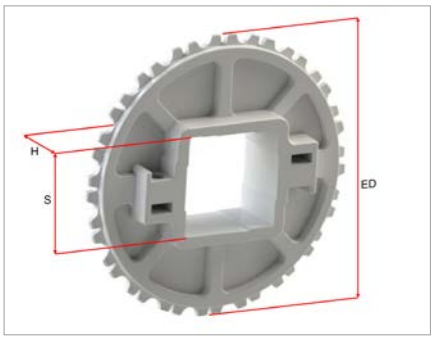
**Consult availability.*
BL= Blue, NT= Natural, WH= White.

Sprockets

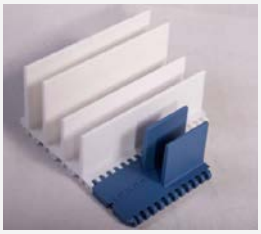
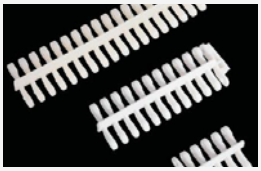
Nº teeth	ø pitch PD (mm)	ø external ED (mm)	Square bore S (mm)	Round bore D (mm)	Width H (mm)	Keyway K (mm)
6	54,40	52,3	25,4	-	18,5	-
9	79,53	79,8	25,4 / 38,1 / 40	25,4	21,5	6,35 x 3,17
10	88,02	87,5	25,4 / 38,1 / 40	25,4 / 30	18,8	6,35 x 3,17
12	105,09	105,5	25,4 / 30 / 38,1 / 40	25,4 / 30 / 31,75 / 35 / 38,1 / 45 / 47 / 50	35	6,35 x 3,17
17	148,03	152	-	114	35	4,5 x 4,5
18	156,64	157,8	38,1 / 40 / 50 / 60 / 63,5	25,4 / 30 / 31,75 / 35 / 38,1 / 40 / 46 / 47	35	6,35 x 3,17
20	173,87	175	38,1 / 40 / 60	25,4 / 30 / 31,75 / 38,1	35	6,35 x 3,17
20-Split	173,87	175	60	31,75 / 30	40	6,35 x 3,17
24	208,39	209,8	38,1 / 40	25,4 / 30 / 38,1 / 45	35	8 x 8

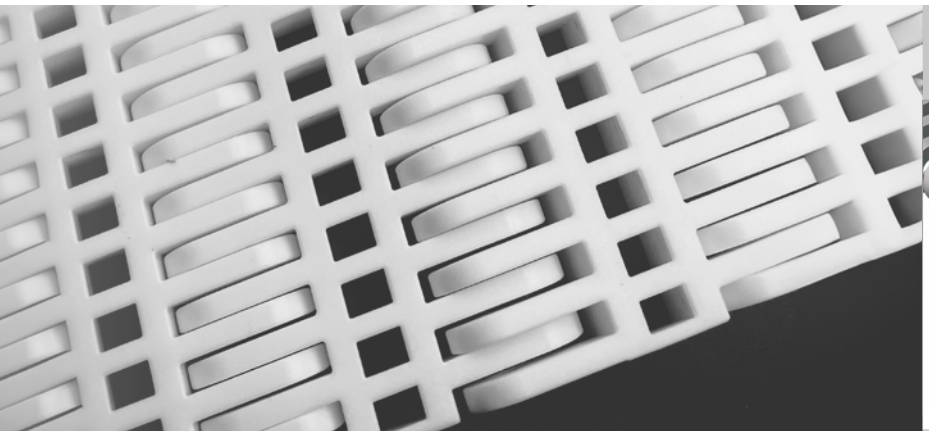




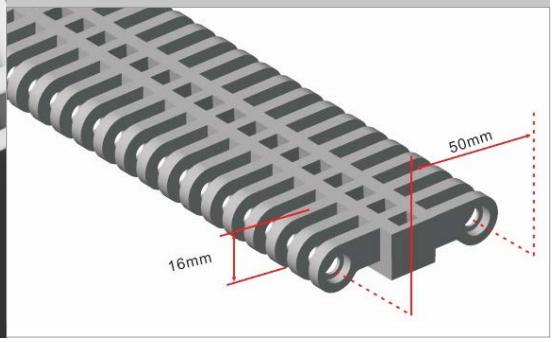


Accessories

Type		Height (mm)	Width (mm)	Molded indent (mm)
Straight flight		25	152,4	-
			101,6	50,8
		50	152,4	-
			101,6	50,8
		75	152,4	-
			101,6	50,8
Pop-up flight		30	152,4	-
Straight flight		4,5	152,4	-
			50,8 / 101,6	6,5
Sidewall		35		
		50		
		80		



G500-36SB

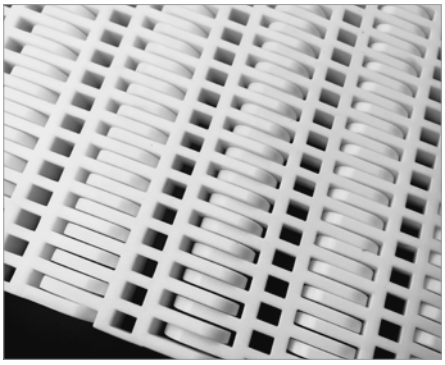


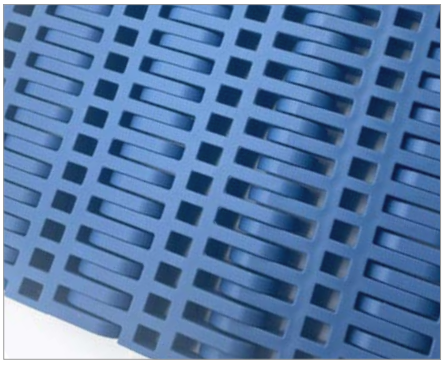
Pitch	Open area	FDA & EU	ø Rod	Flight	Sidewall	Curve
50 mm	27 %	✔	5,8 mm	✔	✖	✖

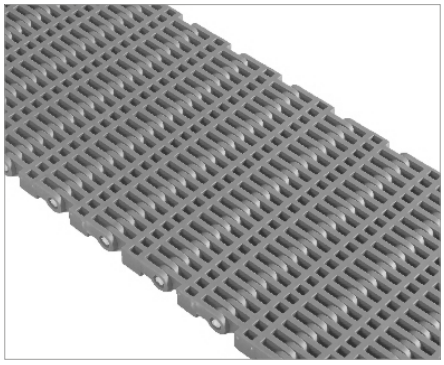
Material	Color	Resistance of the straight belt	Temperature		Belt weight
		Kg/m width	°C (min.)	°C (max.)	Kg/m²
Polypropylene PP	BL, WH	2795	1	100	8
Polyethylene PE	BL, NT*	1840	- 60	60	8
Acetal POM	BL, WH	4200	- 40	80	12

Widths

Modules (mm)	Minimum belt width (mm)	Width increments (mm)
200	200	10



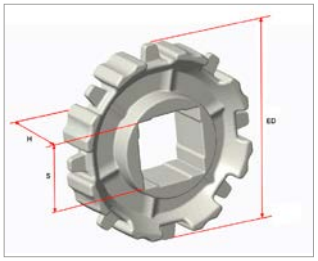




**Consult availability.*
BL= Blue, NT= Natural, WH= White.

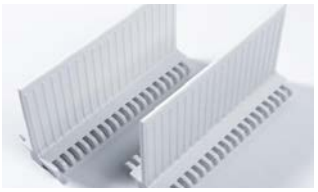
Sprockets

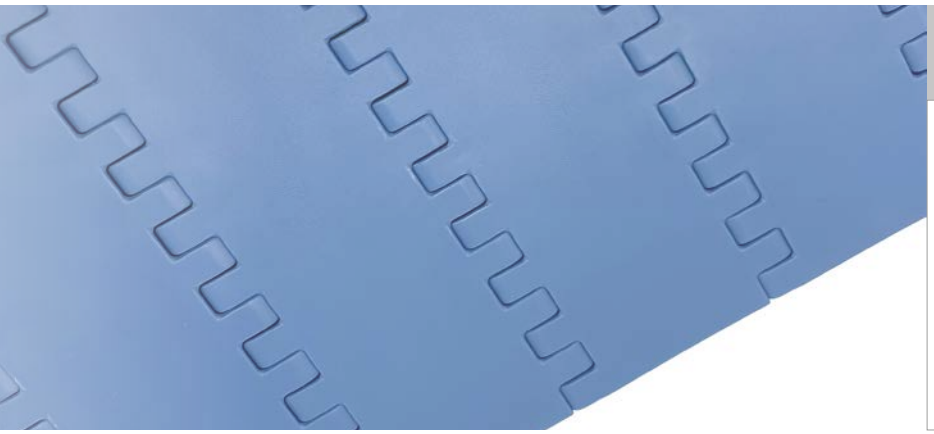
Nº teeth	ø pitch PD (mm)	ø external ED (mm)	Square bore S (mm)	Round bore D (mm)	Width H (mm)	Keyway K (mm)
8	130,66	125,2	40	-	33,8	-
10	161,80	157,0	40	-	33,8	-
12	193,19	189,2	38,1 / 40	30 / 35	33,8	8 x 8



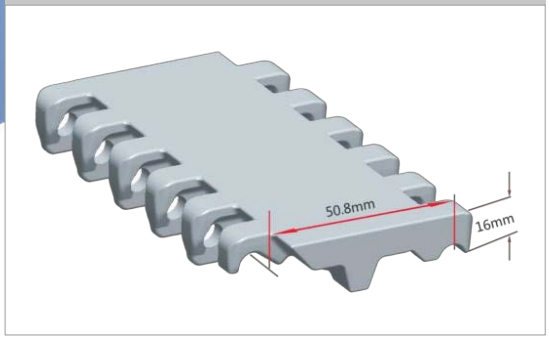
Accessories

Type	Height (mm)	Width (mm)	Molded indent (mm)
Bent flight	75	200	-
	100		
No-cling flight	100	200	-





F508-1SBVE

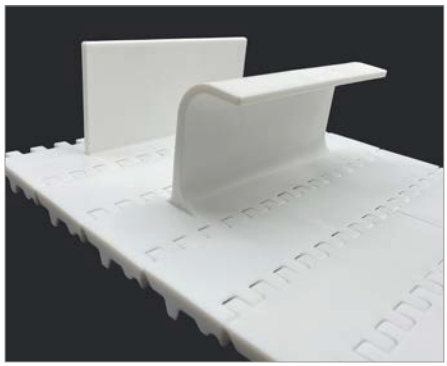


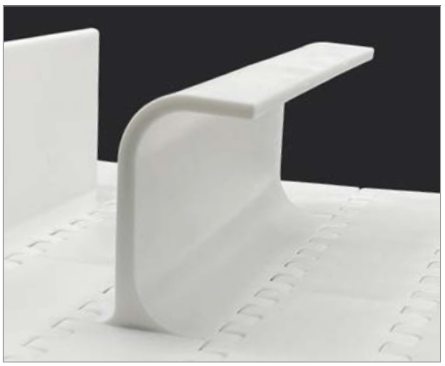
Pitch	Open area	FDA & EU	ø Rod	Flight	Sidewall	Curve
50,8 mm	0 %	✔	5,8 mm	✔	✔	✖

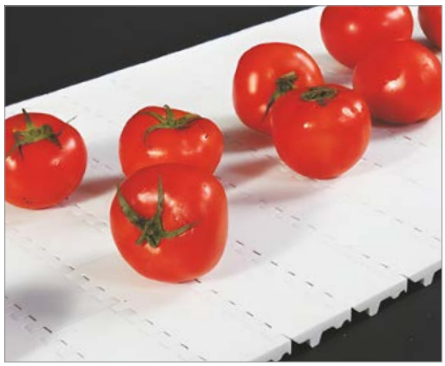
Material	Color	Resistance of the straight belt	Temperature		Belt weight
		Kg/m width	°C (min.)	°C (max.)	Kg/m²
Polypropylene PP	BL, WH	1340	1	100	9,3
Polyethylene PE	BL, NT	1280	- 60	60	9,8
Acetal POM	BL, WH	1770	- 40	80	14
Nylon PA	NT	1520	1	180	12,6

Widths

Modules		Minimum belt width (mm)	Width increments (mm)
Central (mm)	Side (mm)		
100,5 / 150,75	100,5 / 150,75	251,25	16,75



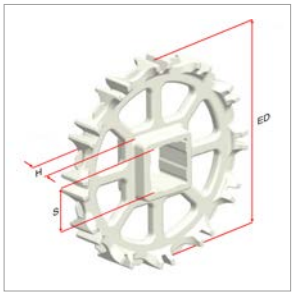


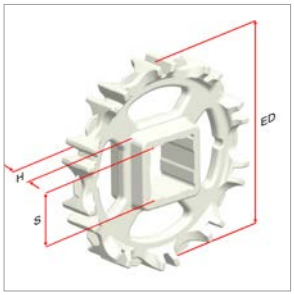


**Consult availability.*
BL= Blue, NT= Natural, WH= White.

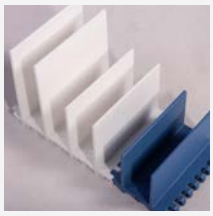
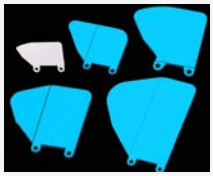
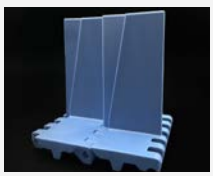
Sprockets

Nº teeth	ø pitch PD (mm)	ø external ED (mm)	Square bore S (mm)	Round bore D (mm)	Width H (mm)	Keyway K (mm)
6 / N	101,60	96,2	25,4 / 38,1 / 40	25,4 / 31,75 / 38,1	37	6,35 x 3,17
8 / N	132,75	123,3	38,1 / 40	25,4 / 25,5 / 30 / 31,75	37	6,35 x 3,17
10 / N	164,39	157,3	38,1 / 40 / 50,8 / 60	25,4 / 30 / 31,75 / 35 / 36 / 38,1 / 50 / 50,8	37	6,35 x 3,17
12 / N	196,28	190,8	38,1 / 40 / 60	-	37	-
16 / N	260,39	253,7	38,1 / 40 / 60 / 63,5	25	37	8 x 8





Accessories

Type		Height (mm)	Width (mm)	Molded indent (mm)
Straight flight		25	150,8	-
		50		
		75		
		100		
		150		
Scoop flight		76,2	150,8	-
		101,6		
		152,4		
Pop-up flight		50	150,8	-
Sidewall		60		
		85		
		110		
		160		
Molded Sidewall		100	100,5	38
			150,8	38

Installation

Sprocket installation

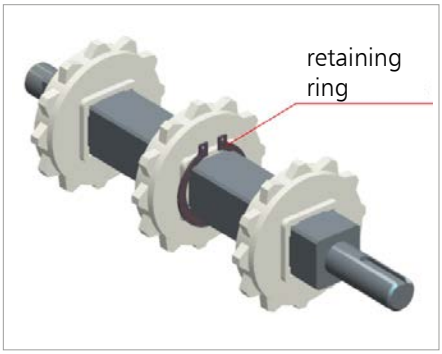
Locate the central sprocket in the exact center of the belt width in order to establish and ensure the belt direction and alignment in a precise way. Fix it by means of two retaining rings.

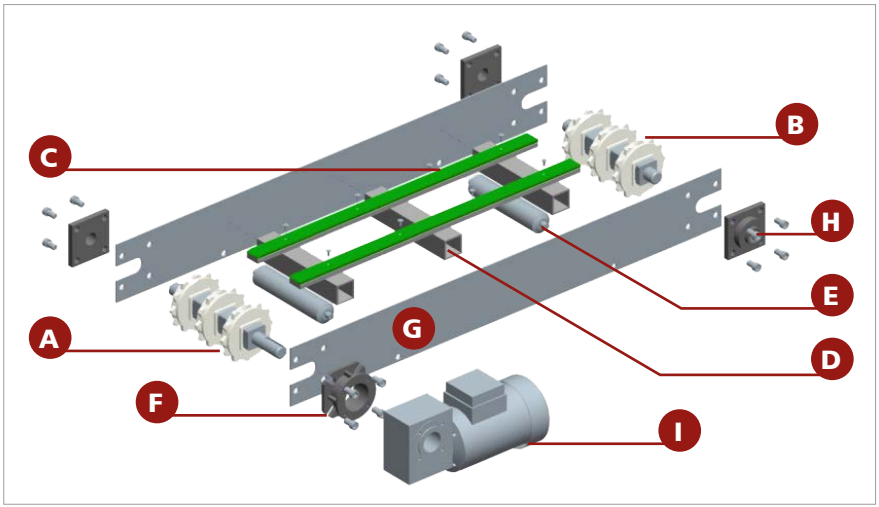
The rest of the sprockets should not be fitted with retaining rings so that they can absorb the expansion and contraction of the material itself.

The minimum number of sprockets is 3 pcs/shaft.

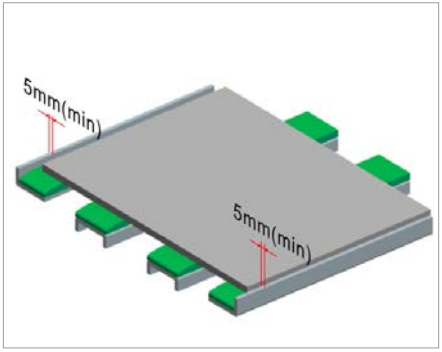
The distance between sprockets should be less than 145 mm between them.

The distance between sprockets should be less than 90 mm when the length of the conveyor > 4 times the belt width.

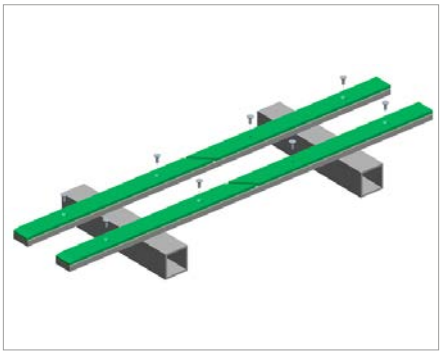




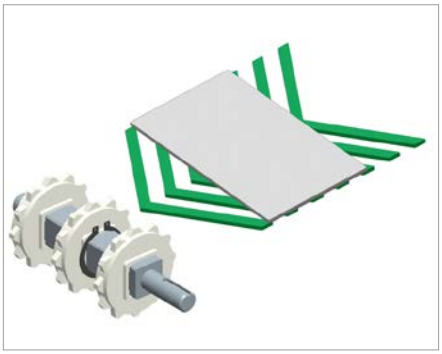
Key	
A	Drive sprocket
B	Sprocket
C	Wear strips
D	Support bar
E	Return supporting roller
F	Motor mounting flange
G	Side plate
H	Bearing
I	Motor speed reducer



Allow 5 mm between belt width and maximum conveyor width for correct belt tracking.



The most common wear strips.
They can be welded or fixed to the conveyor frame with bolts (make sure the bolt does not protrude from the strip itself).



Herringbone type wear strips allow:

- Support of the full width of the belt.
- More uniform abrasion of the belt than straight wear strips.
- Better guide effect.

General tolerances

Pitch 15,2 mm

Material	Belt width	
	≤ 750 mm	> 750 mm
Polypropylene PP	± 3 mm	± 0,4 %
Polyethylene PE	± 4 mm	± 0,5 %
Acetal POM	± 4 mm	± 0,5 %

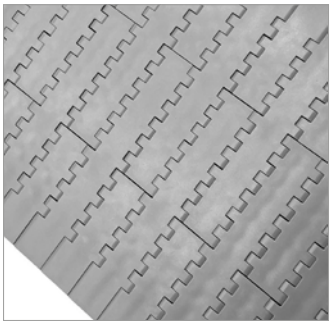
Pitch 25 / 25,4 / 27,2 mm

Material	Belt width	
	≤ 750 mm	> 750 mm
Polypropylene PP	± 3 mm	± 0,4 %
Polyethylene PE	± 4 mm	± 0,5 %
Acetal POM	± 4 mm	± 0,5 %

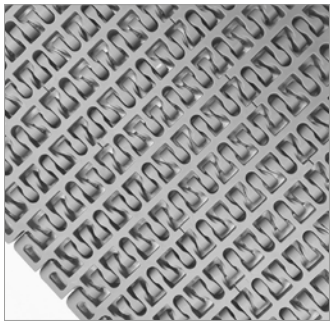
Pitch 50 / 50,8 mm

Material	Belt width	
	≤ 750 mm	> 750 mm
Polypropylene PP	± 4 mm	± 0,5 %
Polyethylene PE	± 5 mm	± 0,6 %
Acetal POM	± 5 mm	± 0,6 %

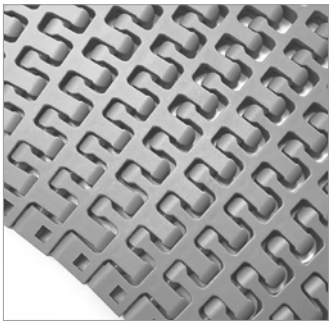
esbelt SWAPbelts



F152-11SBE



G152-11SBE



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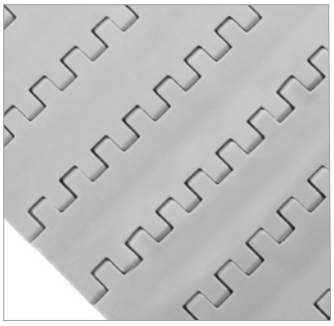

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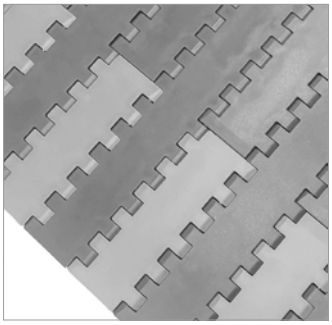

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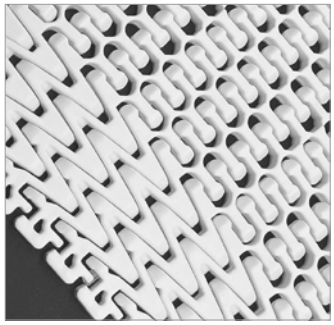

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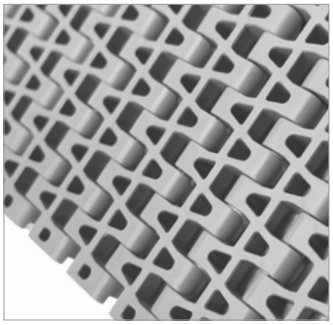
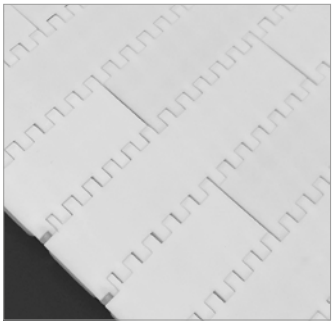


G254-25SB



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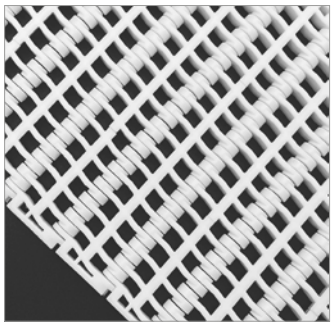

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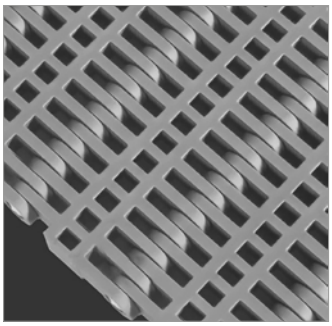

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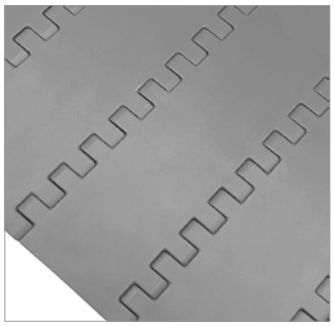

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