



Modular Belts

We are a **European manufacturer of plastic modular belts**.
Discover modern and easily integrable solutions for your business.

About the Company

Maxbelt Modular is a European manufacturer of modern and **easily integrable plastic modular belts** designed for conveyors used across a wide range of industries—from food processing to heavy industry. With our innovative solutions, we enhance the efficiency and reliability of production processes throughout Europe.

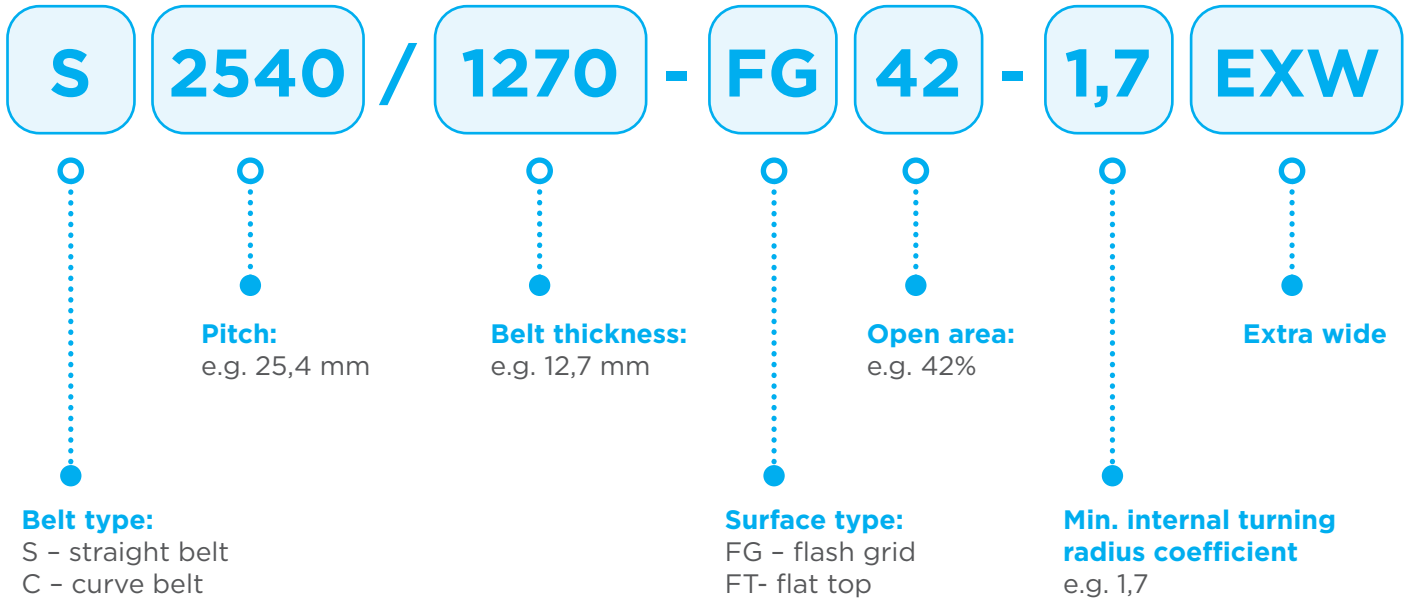


We are close to you.

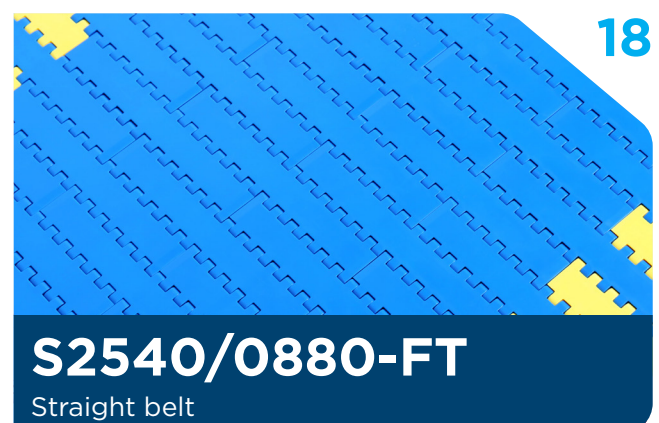
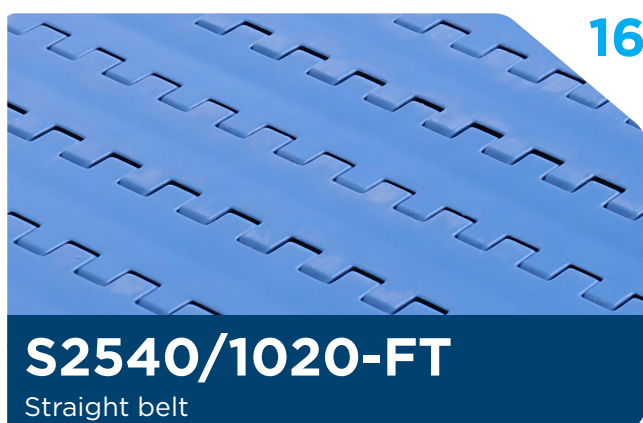
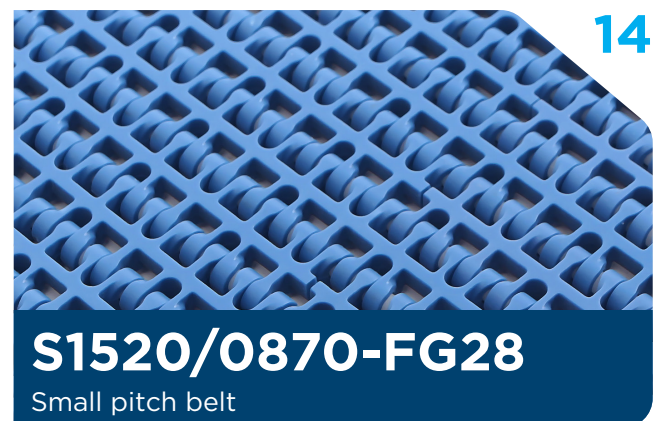
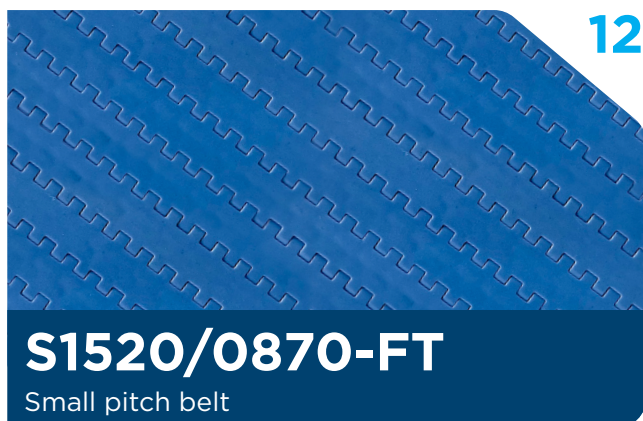
WE DELIVER AND SUPPORT

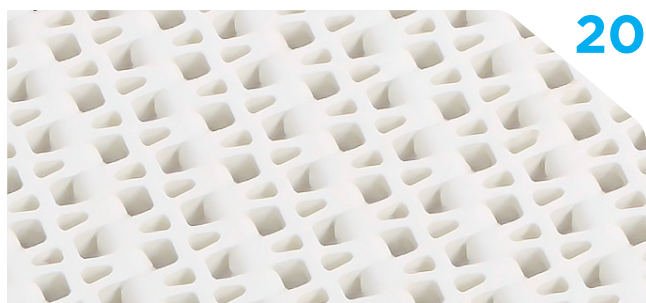
Thanks to our wide range of modern products, local production capabilities, and extensive sales and support network, we stay close to the needs of our European customers, providing them with the highest level of service and solutions tailored to their expectations.

How to read our belts



Index

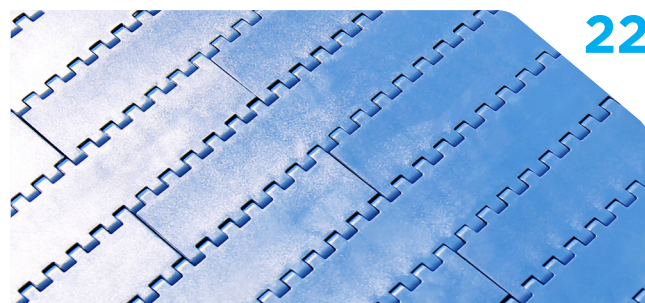




20

S2540/1000-FG32

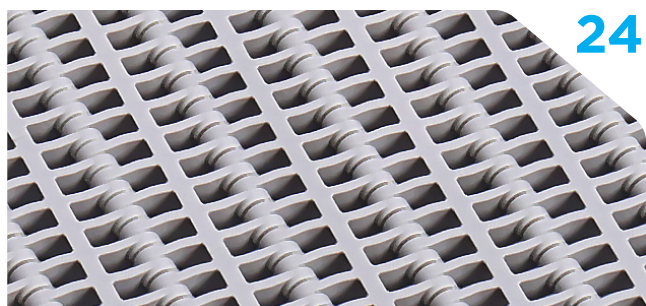
Straight belt



22

S2720/0980-FT

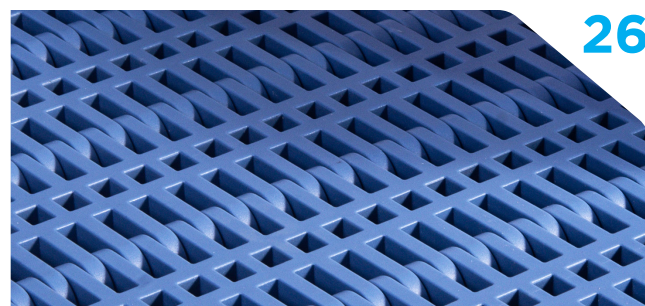
Straight belt



24

S2720/0870-FG38

Straight belt



26

S5000/1600-FG27

Straight belt



28

S5080/1600-FT

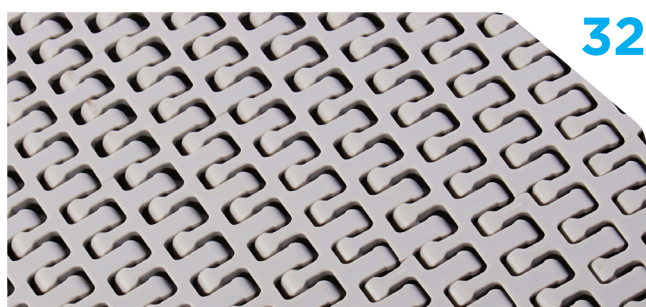
Straight belt



30

S5080/1600-FT-EXW

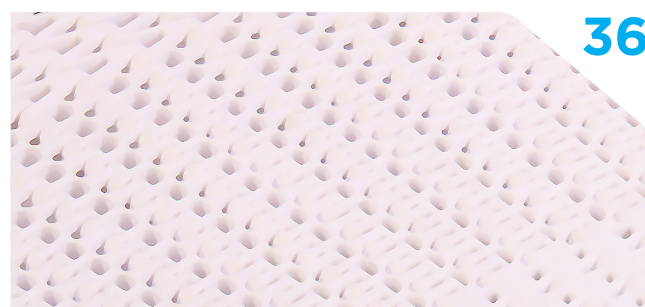
Seamfree belts width 503 mm



32

C2500/1100-FG36-2.2

Curve belt



36

C2540/1270-FG42-1.7

Curve belt

Choosing the Right Belt

begins with selecting the appropriate material for its operating conditions.

Selecting the right material is key to ensuring the performance and reliability of conveyor systems in a variety of operating environments. The right materials provide unique properties that can be tailored to specific production requirements.

BASICS MATERIALS							
Production line		Colour	Temp. range		Key features	Chemical resistance	Applications
			min.	max			
easy	Polypropylene (PP)	 	1°C	100°C	 easy exchange	High	First choice for most applications
	Polyethylene (PE)	 	-60°C	60°C	 easy exchange	High	
	Acetal (POM)	 	-40°C	80°C	 easy exchange	High	
	Acetal (POM BIO)	 	-40°C	80°C	 easy exchange  environmentally friendly	High	
safe	AM - Silver	 	-60°C	80°C	 antibacterial	High	Food, meat, pharmaceuticals, personal hygiene products
	AM- Gold	 	-60°C	80°C	 bacteriostatic	High	
	Detect	 	-40°C	80°C	 metal detectable	High	
hi-temp	HeatGuard		1°C	120°C	 temp. resistance up to + 120°C	High	Baking, pasteurization, frying applications
	ThermoPro		1°C	180°C	 temp. resistance up to + 180°C	Fair	
	Duramid		-40°C	260°C	 temp. resistance up to +260°C	Very high	
strong	Strong HK	  	-40°C	80°C	 impact and abrasion  resistance	Very high	Cardboard production, cement industry



easy

Easy is a solution that stands out on the market for its versatility and compatibility. Designed with maximum ease of use and simple implementation in mind. Our solution has been developed with a focus on convenience and customer satisfaction, making the replacement process simple and fast.

Polypropylene (PP)

Characteristics:

Polypropylene is an ideal material for applications in positive temperature conditions. It is lightweight, crack-resistant, and has good chemical resistance. It is the first choice for most applications.

Example Applications:

Food industry, packaging, pharmaceutical industry.

Operating Conditions:



Polyethylene (PE)

Characteristics:

Polyethylene is an excellent choice for low-temperature and humid environments. It is impact-resistant, making it ideal for transporting delicate or heavy products.

Example Applications:

Fish industry, refrigeration, low-temperature applications.

Operating Conditions:



Acetal (POM) i (POM BIO)

Characteristics:

Acetal is a material with the highest load capacity and low friction coefficient. Its mechanical properties are closest to metal, making it ideal for applications requiring high precision and durability. It is also available in a sustainable version (POM BIO).

Example Applications:

Mechanical industry, automotive industry, heavy industry.

Operating Conditions:



Key Features of Our Products



Compatibility: Thanks to carefully designed parameters, our solution is compatible with the most popular belt types on the market, facilitating integration and replacement.



Easy Replacement: The plug-and-play system ensures that the installation and replacement of MaxbeltModular Easy are exceptionally simple and fast.



Durability: High-quality materials and precise craftsmanship guarantee long-lasting and reliable product performance.

Advanced Hygiene Technologies

safe

In industries where hygiene standards are crucial, such as the food, pharmaceutical, and personal care product industries, ensuring the highest level of cleanliness and safety is an absolute priority. **Safe** modular belts offer solutions that meet these rigorous requirements through the use of advanced technologies and specialized **additives for plastics**.

MaxbeltModular Safe is a family of belts that utilize innovative materials enhanced with contamination prevention technologies.

Safe	Feature	Colour	Application
AM Silver 	ANTIBACTERIAL • The belt material contains silver ions • Eliminates bacteria and microorganisms • Acts as a long-lasting antibacterial agent • Prevents pathogen growth • Highly resistant to chemicals	 	Food industry, meat processing, pharmaceuticals, personal hygiene product manufacturing
AM Gold 	BACTERIOSTATIC • Free from metallic additives • Reduces bacterial growth by up to 99% • Prevents biofilm formation • Enhances hygiene safety • Reduces the need for frequent use of strong chemicals • Highly resistant to chemicals	 	
Detect 	DESIGNED FOR METAL DETECTORS • Material detectable by metal detectors and other detection devices • Increases safety in food production and other sensitive manufacturing processes • Enables identification of small particles, even as small as 3 mm	 	



hi-temp

Hi-temp is a line of modular belts designed for conveyors used in industries operating at extremely high temperatures. Utilizing advanced plastics, our belts are adapted to work in the most demanding conditions, such as pasteurizers, ovens, baking systems, and frying applications.

HeatGuard / Thermal resistance up to 120°C

A specially designed material that performs excellently in applications where the operating temperature does not exceed 120°C. Ideal for less extreme thermal processes such as preheating, cooling after thermal processes, or pasteurization.

ThermoPro / Thermal resistance up to 180°C

Provides increased thermal resistance up to 180°C, making it suitable for applications behind bread ovens, where exposure to high temperatures is crucial for maintaining process efficiency. ThermoPro also features excellent wear resistance and durability but is not suitable for operation in humid environments.

Duramid / Thermal resistance up to 220-260°C

A top-tier material capable of withstanding extremely high temperatures up to 260°C. Duramid is the ideal choice for advanced thermal processes and frying systems, where reliability and dimensional stability are key to maintaining continuous production. It performs exceptionally well in contact with water, oils, and fats and offers a wide range of chemical resistance.



strong

Strong is a line of modular conveyor belts distinguished by exceptional durability and resistance, offering reliable solutions for the most demanding applications. Using specialized plastics, our belts are the perfect choice for industries where extreme working conditions impose the highest requirements for longevity and resistance.

Durability and abrasion resistance:



Strong is made from a material with exceptional resistance to impact and mechanical damage. These belts are considered nearly indestructible, ensuring outstanding durability even in harsh working conditions. They are also highly resistant to abrasion, making them ideal for high-wear applications, such as the cement industry or corrugated cardboard production.

Chemical resistance:



Strong is resistant to many aggressive chemical substances, making it an excellent choice for industrial environments where contact with chemicals is inevitable, such as industrial washing stations or processing plants.



Strong is a more environmentally friendly material compared to many other plastics, contributing to a reduced negative impact on the environment. By choosing this material, you are investing in a solution that supports sustainable development and minimizes environmental harm, as its longer lifespan results in less waste.

Strong is a safe material with excellent properties and significant competitiveness. It is made with substances which are considered non-toxic and characterized by exceptional chemical resistance, impact resistance, and abrasion resistance.



Extremely abrasion
resistance



Exceptional
impact resistance



High chemical
resistance



Data Sheets

Proper maintenance, correct usage, and environmental control are key elements that extend the lifespan of conveyor belts. MaxbeltModular has been providing solutions that enhance the efficiency of conveyor systems, which is why we share 5 proven ways to extend the lifespan of belts:

1. Choosing the right material

Each operation has different requirements. It is important that the belt is tailored to the specific conditions – from the type of cargo being transported to the work environment. MaxbeltModular offers a wide range of modular belts suited to various industries.

2. Proper installation and team training

Installation errors, such as improper alignment or tension, can lead to premature wear. Additionally, training personnel on proper system operation significantly reduces the risk of damage.

3. Regular inspection and maintenance

Establish a schedule for inspections and maintenance that includes cleaning, lubrication, and adjustments to tension and alignment. A proactive approach prevents more serious malfunctions and maintains maximum equipment efficiency.

4. Load distribution systems

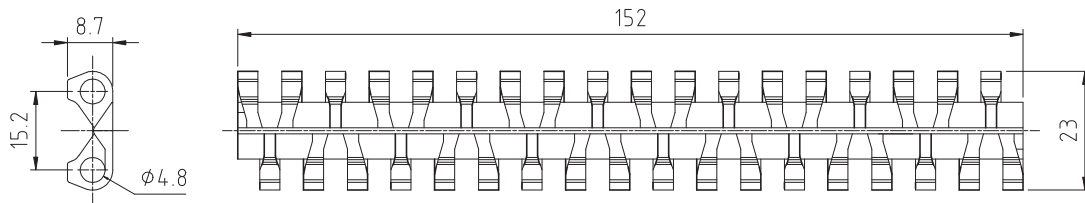
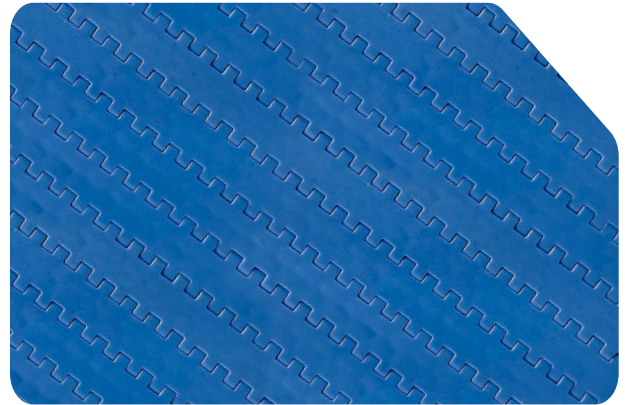
Uneven distribution of materials leads to increased wear on the belt. Implementing systems that evenly distribute the load greatly extends its lifespan.

5. Monitoring environmental conditions

Extreme temperatures, humidity, chemicals, or UV radiation have a destructive effect on materials. Controlling the work environment of the conveyor belt or selecting resistant materials protects the belt from rapid degradation.

S1520/0870-FT

Pitch	15.2 mm
Production width	152 mm
Open area	0%
Approved	EU/FDA
Rod	Ø 4.5 mm
Flight	Yes
Side guard	No



Data

Belt material		Belt strenght		Temperature		Belt weight	Available colors
		kg/m [BW]	N/m [BW]	°C [min.]	°C [max.]	[kg/m²]	
easy	Polipropylen PP	1545	15450	+1	+100	5.20	white/blue
	Polietylen PE	1470	14700	-60	+60	6.00	white/blue
	Acetal POM	1650	16500	-40	+80	7.50	white/blue
	Acetal Bio (POM BIO)	1650	16500	-40	+80	7.50	white/blue
hi-temp	HeatGuard	on request	on request	+1	+120	6.75	yellow
	ThermoPro	on request	on request	+1	+180	6.75	yellow
	Duramid	on request	on request	-40	+260	7.20	yellow
strong	Strong HK	on request	on request	-40	+80	7.13	white/blue/yellow

BW - Belt width

Advanced hygiene technologies:



AM Silver - antibacterial

AM Gold - bacteriostatic



Detect - for metal detectors

Reference width of belts* POM [mm]

152,8	255	281	306	331	356	382	407	433	458	484	509	560
586	611	637	662	688	713	739	763	790	815	841	866	891
916	942	967	993	1018	1044	1069	1095	1120	1146	1171	1197	1222
1248	1273	1299	1324	1350	1375	1402	1426	1452	1477	1503	1528	1553
1578	1604	1629	1653	1681	1707	1732	1759	1783	1810			

* width tolerances for modular belts are available on page 38

Standard width of module:

- 152,4 mm (middle module)

- 50,4 mm (side midule 1); 101,5 mm (side midule 2)

Reference width of belts* PP/PE [mm]

152,8	255	281	306	331	356	382	407	433	458	484	509	560
586	611	637	662	688	713	739	763	790	815	841	866	891
916	942	967	993	1018	1044	1069	1095	1120	1146	1171	1197	1222
1248	1273	1299	1324	1350	1375	1402	1426	1452	1477	1503	1528	1553
1578	1604	1629	1653	1681	1707	1732	1759	1783	1810			

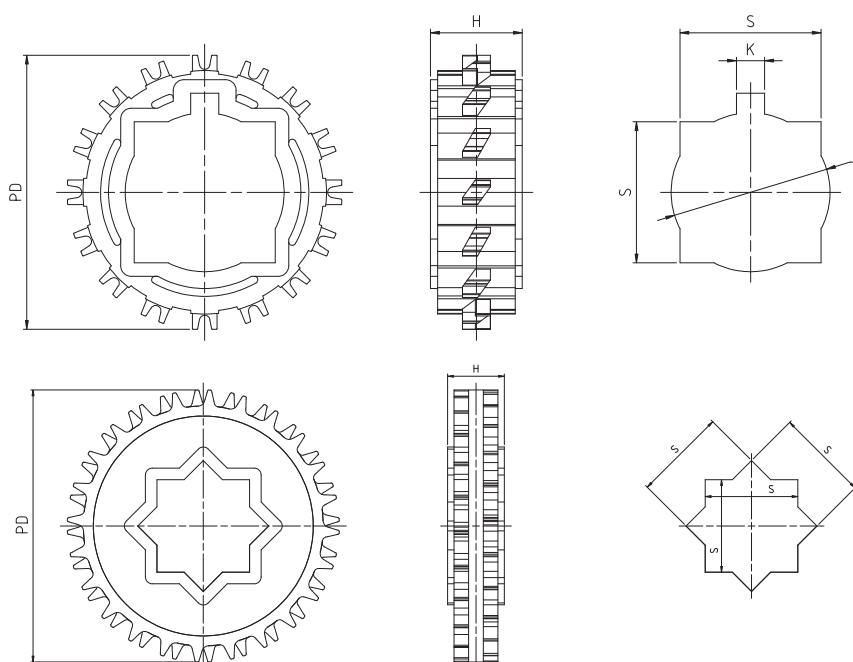
* width tolerances for modular belts are available on page 38

Standard width of module:

- 152,5 mm (middle module)

- 50,6 mm (side midule 1); 101,6 mm (side midule 2)

Sprockets



Sprocket dimensions

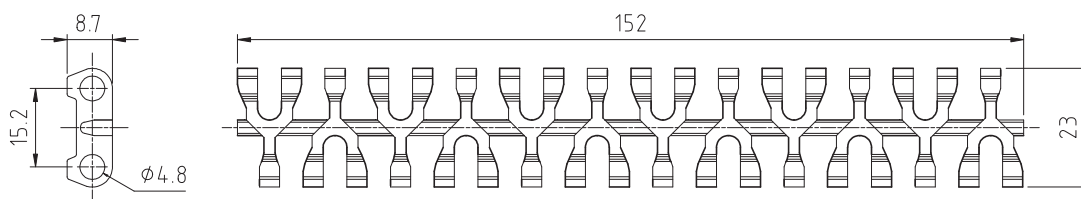
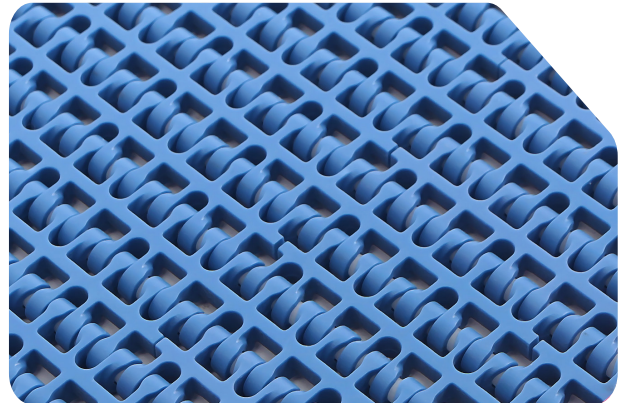
No. teeth	PD [mm]	S [mm]	D [mm]	H [mm]	K [mm]
12	58.73	25.4/27	25.4	22.5	6.35X3.17
16	77.91	25.4/38.1/40	25/25.4/30/31.75/45	25	6.35X3.17
24	116.45	38.1/40	25.4/30/31.75/35/45/47	40	6.35X3.17
32	155.08	38.1/40	25.4/30/31.75/35/40	40	8X8
12-2R	58.73	25/25.4	25/25.4	25.4	8X8
16-2R	77.91	25.4/38.1/40	25/25.4/30	25	8X8
18-2R	87.53	25.4/38.1/40	25.4/30	25	8X8
20-2R	97.17	38.1/40	25.4	25	6.35X3.17
24-2R	116.45	25.4/38.1/40/50/60/63.5	25.4/30/31.75/38.1	25	6.35X3.17
26-2R	126.10	38.1/40/63.5	-	25	-
32-2R	155.08	38.1/40/60/63.5	25.4/30/31.75/35/40	25	6.35X3.17

Flights and side guards

Base	Type	Height	Width	Margin
S1520/0870-FT	Straight flights	50.8 mm	152.4 mm	-

S1520/0870-FG28

Pitch	15.2 mm
Production width	152 mm
Open area	28%
Approved	EU/FDA
Rod	Ø 4.5 mm
Flight	Yes
Side guard	No



Data

Belt material		Belt strenght		Temperature		Belt weight	Available colors
		kg/m [BW]	N/m [BW]	°C [min.]	°C [max.]	[kg/m²]	
easy	Polipropylen PP	1545	15450	+1	+100	5.10	white/gray
	Polietylen PE	1470	14700	-60	+60	5.90	natural
	Acetal POM	1650	16500	-40	+80	7.40	white
	Poliamid PA	1565	15650	+1	+180	6.90	gray
	Acetal Bio (POM BIO)	1650	16500	-40	+80	7.40	white/blue
hi-temp	HeatGuard	on request	on request	1	120	6.66	yellow
	ThermoPro	on request	on request	1	180	6.66	yellow
	Duramid	on request	on request	-40	+260	7.10	yellow
strong	Strong HK	on request	on request	-40	+80	7.03	white/blue/yellow

BW - Belt width

Advanced hygiene technologies:



AM Silver - antibacterial

AM Gold - bacteriostatic



Detect - for metal detectors

Reference width of belts* POM/PP/PE [mm]

152	254	280	305	330	355	381	406	431	456	481	507	532
558	583	608	634	659	684	709	735	760	786	812	836	862
887	912	938	963	988	1013	1041	1065	1090	1115	1141	1165	1191
1216	1241	1267	1293	1318	1345	1370	1395	1421	1446	1471	1498	1522
1547	1573	1598	1623	1649	1675	1700	1725	1750	1775	1801	1827	1852
1878	1903	1928	1954	1980	2004	2030	2055	2080	2106	2131	2156	2182
2207	2232	2258										

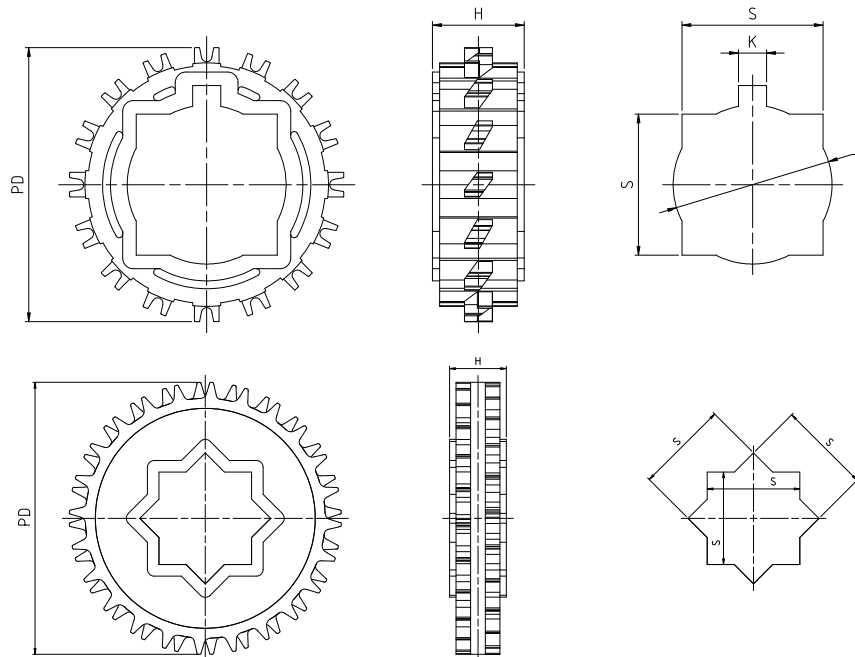
* width tolerances for modular belts are available on page 38

Standard width of module:

- 151,5 mm (middle module)

- 50,8 mm (side midule 1); 101,6 mm (side midule 2)

Sprockets



Sprocket dimensions

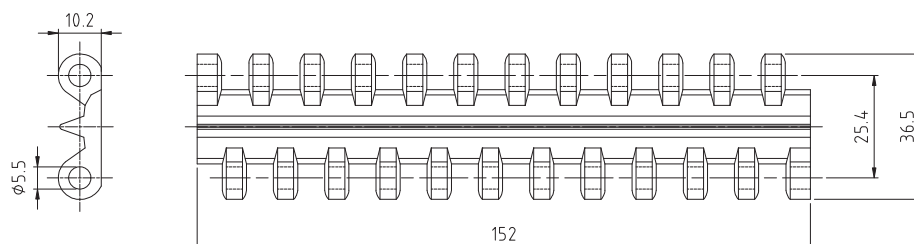
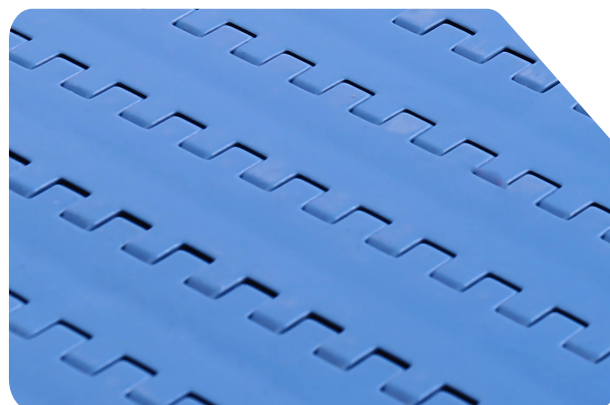
No. teeth	PD [mm]	S [mm]	D [mm]	H [mm]	K [mm]
12	58.73	25.4/27	25.4	22.5	6.35X3.17
16	77.91	25.4/38.1/40	25/25.4/30/31.75/45	25	6.35X3.17
24	116.45	38.1/40	25.4/30/31.75/35/45/47	40	6.35X3.17
32	155.08	38.1/40	25.4/30/31.75/35/40	40	8X8
12-2R	58.73	25/25.4	25/25.4	25.4	8X8
16-2R	77.91	25.4/38.1/40	25/25.4/30	25	8X8
18-2R	87.53	25.4/38.1/40	25.4/30	25	8X8
20-2R	97.17	38.1/40	25.4	25	6.35X3.17
24-2R	116.45	25.4/38.1/40/50/60/63.5	25.4/30/31.75/38.1	25	6.35X3.17
26-2R	126.10	38.1/40/63.5	-	25	-
32-2R	155.08	38.1/40/60/63.5	25.4/30/31.75/35/40	25	6.35X3.17

Flights and side guards

Base	Type	Height	Width	Margin
S1520/0870-FG28	Straight flights	50.8 mm	152.4 mm	-

S2540/1020-FT

Pitch	25.4 mm
Production width	152 mm
Open area	0%
Approved	EU/FDA
Rod	Ø 5.3 mm
Flight	Yes
Side guard	Yes



Data

Belt material		Belt strenght		Temperature		Belt weight	Available colors
		kg/m [BW]	N/m [BW]	°C [min.]	°C [max.]	[kg/m²]	
easy	Polipropylen PP	1155	11550	+1	+100	5.60	white/gray
	Polietylen PE	1105	11050	-60	+60	5.80	natural
	Acetal POM	1520	15200	-40	+80	8.90	white/blue
	Poliamid PA	1310	13100	+1	+180	6.80	brown
	Acetal Bio (POM BIO)	1520	15200	-40	+80	5.80	white/blue
hi-temp	HeatGuard	on request	on request	+1	+120	8.01	yellow
	ThermoPro	on request	on request	+1	+180	8.01	yellow
	Duramid	on request	on request	-40	+260	8.54	yellow
strong	Strong HK	on request	on request	-40	+80	8.46	white/blue/yellow

BW - Belt width

Advanced hygiene technologies:



AM Silver - antibacterial

AM Gold - bacteriostatic



Detect - for metal detectors

Reference width of belts* POM [mm]

152	177	203	228	253	278	304	329	355	380	405	430	456
482	507	532	556	582	608	632	658	683	708	734	760	785
810	836	862	887	912	936	962	988	1013	1039	1064	1089	1114
1140	1165	1190	1215	1240	1265	1290	1315	1341	1367	1392	1418	1443
1467	1492	1517	1543	1568	1606	1620	1645	1670	1695	1721	1745	1770
1796	1833	1846	1872	1898	1923	1960	1985	2010	2035	2060	2086	2111

* width tolerances for modular belts are available on page 38

Standard width of module:

- 151,8 mm; 291 mm

Reference width of belts* PP/PE [mm]

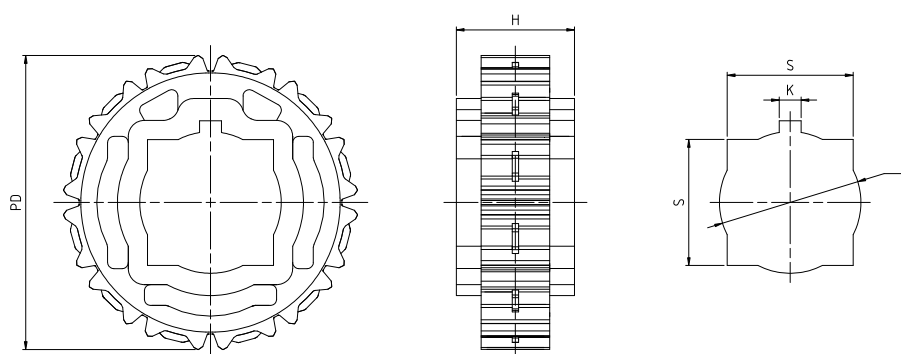
151	177	202	228	253	278	290	303	329	354	379	405	430
455	481	506	531	556	582	607	632	657	683	707	733	758
783	809	834	859	885	910	935	960	985	1011	1036	1062	1087
1124	1149	1175	1199	1225	1251	1276	1302	1327	1353	1378	1403	1429
1454	1479	1505	1530	1555	1580	1605	1631	1656	1681	1707	1732	1758
1783	1808	1833	1858	1884	1908	1934	1959	1983	2010	2035	2060	2086
2111	2136	2162	2187	2212	2238	2263						

* width tolerances for modular belts are available on page 38

Standard width of module:

- 151 mm; 292 mm

Sprockets



Sprocket dimensions

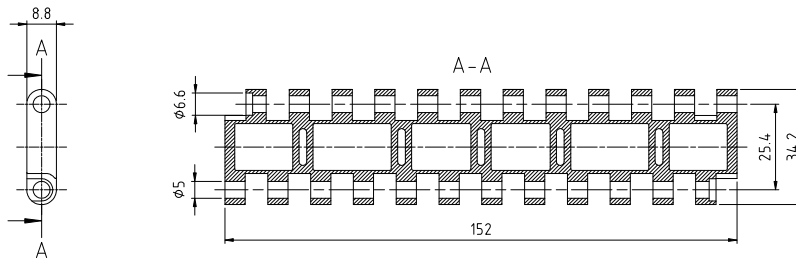
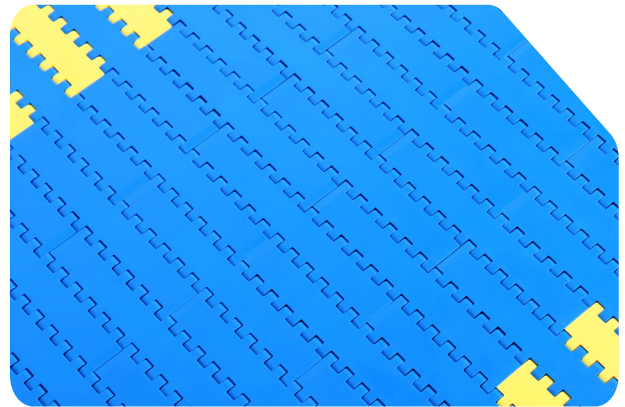
No. teeth	PD [mm]	S [mm]	D [mm]	H [mm]	K [mm]
8	66.37	25.4	25.4/30	22	6x6
10	82.20	38.1/40	25.4/38.1/45	22	7x7
12	98.14	25.4/38.1/40	19/25.4/30/31.758/45	38	7x7
16	130.20	38.1/40	25.4/30/45	38	7x7
20	162.37	38.1/40	25.4/45	38	7x7

Flights and side guards

Base	Type	Height	Width	Margin
S2540/1020-FT	Straight flights	25 mm	292 mm	22 mm
			152 mm	24 mm
		50 mm	292 mm	22 mm
			152 mm	24 mm
	Side guard	75 mm	152 mm	-
		35 mm		
		60 mm		

S2540/0880-FT

Pitch	25.4 mm
Production width	76 mm
Open area	0%
Approved	EU/FDA
Rod	Ø 4.9 mm
Flight	Yes
Side guard	No



Data

Belt material		Belt strenght		Temperature		Belt weight	Available colors
		kg/m [BW]	N/m [BW]	°C [min.]	°C [max.]	[kg/m²]	
easy	Polipropylen PP	2000	20000	+1	+100	5.40	white/gray
	Acetal POM	3500	35000	-40	+80	8.30	white/blue
	Acetal Bio (POM BIO)	3500	35000	-40	+80	8.30	white/blue
hi-temp	HeatGuard	on request	on request	+1	+120	7.47	yellow
	ThermoPro	on request	on request	+1	+180	7.47	yellow
	Duramid	on request	on request	-40	+260	7.97	yellow
strong	Strong HK	on request	on request	-40	+80	7.89	white/blue/yellow

BW - Width of belt

Advanced hygiene technologies:



AM Silver - antibacterial

AM Gold - bacteriostatic



Detect - for metal detectors

Reference width of belts* POM [mm]

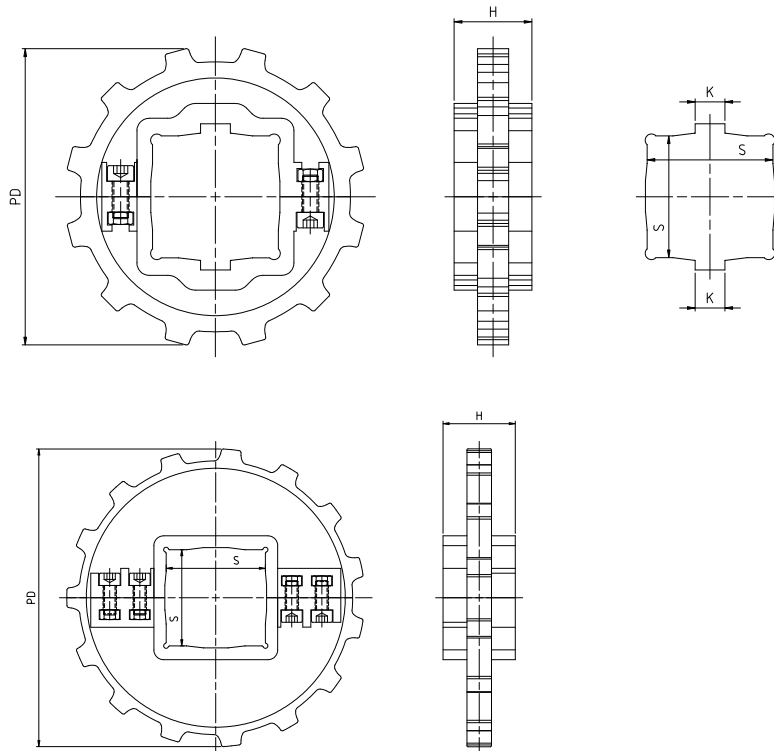
76	152	229	305	381	457	533	610	686	760	836	912	988
1064	1140	1216	1292	1368	1444	1520	1596	1672	1748	1824	1900	1976
2051	2129	2205	2280	2356	2433	2508						

* width tolerances for modular belts are available on page 38

Standard width of module:

- 76 mm; 152 mm

Sprockets



Sprocket dimensions

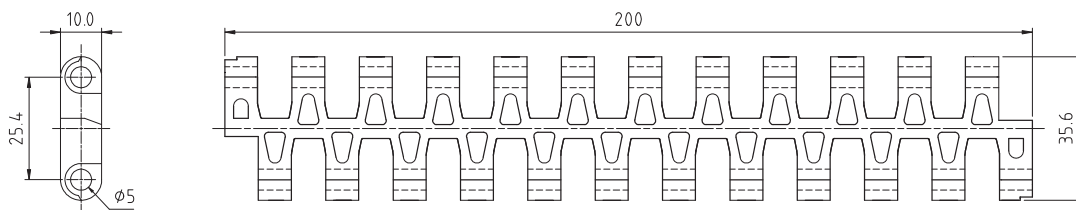
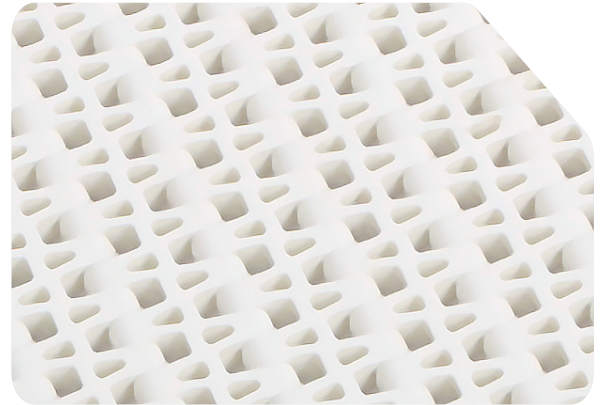
No. teeth	PD [mm]	S [mm]	D [mm]	H [mm]	K [mm]
10	82.20	38.1/40	-	25	8X8
12	98.14	38.1/40	-	25	8X8
12-Split	98.14	38.1/40	-	25	9.52/4.76
15	122.17	38.1/40/50/60/63.5	-	29.5	8X8
15-Split	122.17	38.1/40/50/60/63.5/65	-	33	-
18	146.27	38.1/40/45/50/60/63.5/64	-	25	8X8
18-Split	146.27	38.1/40/60/63.5	-	35	14X5
19-Split	154.32	38.1/40/50/50.8/60/65	-	35	-
24-Split	194.60	60/65	-	52	-

Flights and side guards

Base	Type	Height	Width	Margin
S2540/0880-FT	Straight flights	10 mm	152.5 mm	-

S2540/1000-FG32

Pitch	25.4 mm
Production width	50 mm
Open area	31.7%
Approved	EU/FDA
Rod	Ø 4.9 mm
Flight	Yes
Side guard	No



Data

Belt material		Belt strenght		Temperature		Belt weight	Available colors
		kg/m [BW]	N/m [BW]	°C [min.]	°C [max.]	[kg/m²]	
easy	Polipropylen PP	1060	10600	+1	+100	5.15	white/gray
	Polietylen PE	1030	10300	-60	+60	5.41	white
	Acetal POM	1720	17200	-40	+80	8.15	white/blue
	Poliamid PA	1520	15200	+1	+180	7.34	brown
	Acetal Bio (POM BIO)	1720	17200	-40	+80	8.15	white/blue
hi-temp	HeatGuard	on request	on request	+1	+120	7.34	yellow
	ThermoPro	on request	on request	+1	+180	7.34	yellow
	Duramid	on request	on request	-40	+260	7.82	yellow
strong	Strong HK	on request	on request	-40	+80	7.74	white/blue/yellow

BW - Width of belt

Advanced hygiene technologies:



AM Silver - antibacterial

AM Gold - bacteriostatic



Detect - for metal detectors

Reference width of belts* POM [mm]

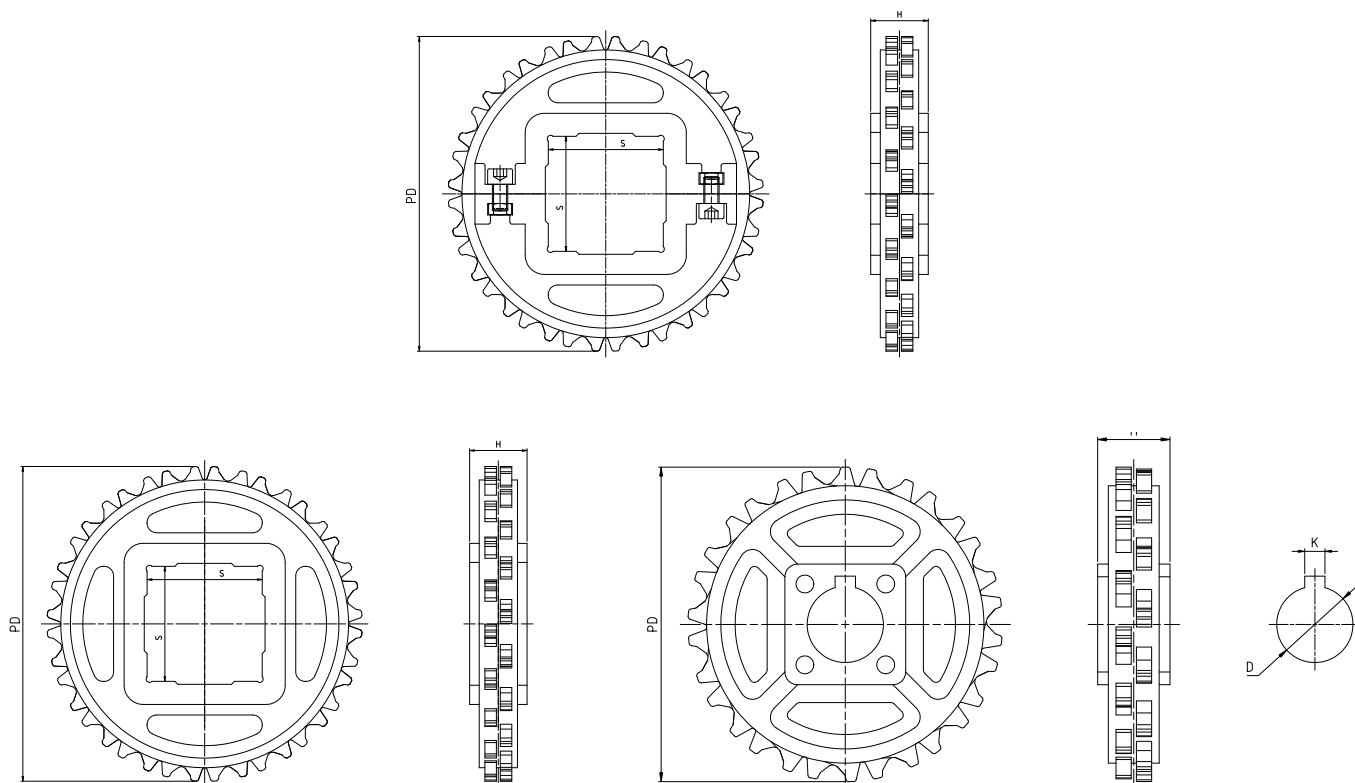
50	150	200	250	300	350	401	450	501	551	601	651	701
752	802	852	903	953	1003	1053	1103	1153	1203	1253	1303	1353
1403	1453	1503	1553	1603	1653	1703	1753	1804	1854	1904	1954	2004
2054	2104											

* width tolerances for modular belts are available on page 38

Standard width of module:

- 50 mm, 100 mm, 200 mm

Sprockets



Sprocket dimensions

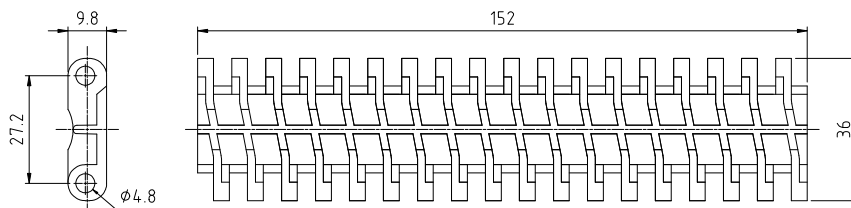
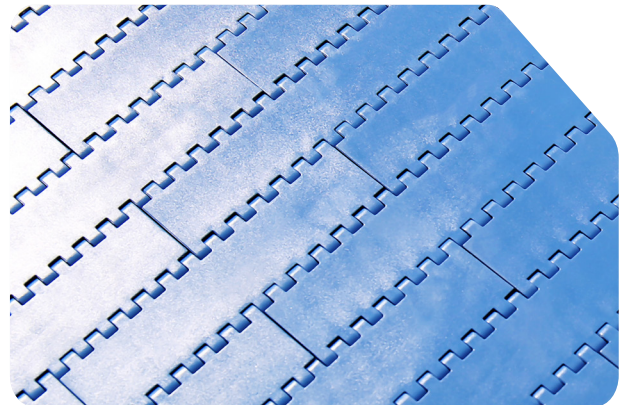
No. teeth	PD [mm]	S [mm]	D [mm]	H [mm]	K [mm]
8-2R	66,37	-	25,4/30	30	8X8
10-2R	82,2	25,4/38,1/40	25,4/30/31,75	30	8X8
12-2R	98,14	38,1/40	25/25,4/30/32	20	8X8
15-2R	122,17	38,1/40	25,4/30/35	20	8X8
16-2R	130,2	38,1/40	30	20	8X8
18-2R	146,27	38,1/40/60	25,4/30/31,75	20	8X8
20-2R	162,37	38,1/40/60/70	-	30	-
20-2R-Split	162,37	38,1/40/60	-	40	-

Flights and side guards

Base	Type	Height	Width	Margin
S2540/1000-FG32	Straight flights	25 mm	200 mm	-
		50 mm		
		75 mm		

S2720/0980-FT

Pitch	27.2 mm
Production width	152 mm
Open area	0%
Approved	EU/FDA
Rod	Ø 4.5 mm
Flight	Yes
Side guard	Yes



Data

Belt material		Belt strenght		Temperature		Belt weight	Available colors
		kg/m [BW]	N/m [BW]	°C [min.]	°C [max.]	[kg/m²]	
easy	Polipropylen PP	1340	13400	+1	+100	4.90	white/gray
	Polietylen PE	1060	10600	-60	+60	5.70	natural
	Acetal POM	1880	18800	-40	+80	6.80	white/blue
	Poliamid PA	1610	16100	+1	+180	6.50	brown
	Acetal Bio (POM BIO)	1880	18800	-40	+80	6.80	white/blue
hi-temp	HeatGuard	on request	on request	+1	+120	6.12	yellow
	ThermoPro	on request	on request	+1	+180	6.12	yellow
	Duramid	on request	on request	-40	+260	6.53	yellow
strong	Strong HK	on request	on request	-40	+80	6.46	white/blue/yellow

BW - Width of belt

Advanced hygiene technologies:



AM Silver - antibacterial

AM Gold - bacteriostatic



Detect - for metal detectors

Reference width of belts* PP/PE/POM [mm]

152,4	254	271	288	305	322	339	356	373	390	406	423	440
457	475	492	508	526	542	559	576	593	610	627	644	661
677	695	712	729	746	763	780	797	814	831	848	864	881
898	915	932	949	966	983	1000	1016	1033	1050	1067	1084	1101
1118	1135	1152	1169	1186	1203	1220	1237	1254	1271	1288	1305	1322
1399	1356	1372	1389	1406	1423	1440	1457	1474	1491	1508	1525	1542
1559	1576	1593	1610	1627	1644	1660	1677	1694	1711	1728	1745	1762
1779	1796	1812	1829	1846	1863	1880	1897	1914	1931	1948	1964	1981
1998	2015	2032	2049	2066	2083	2100	2117	2134	2151	2168	2185	2202
2219	2236	2253	2269									

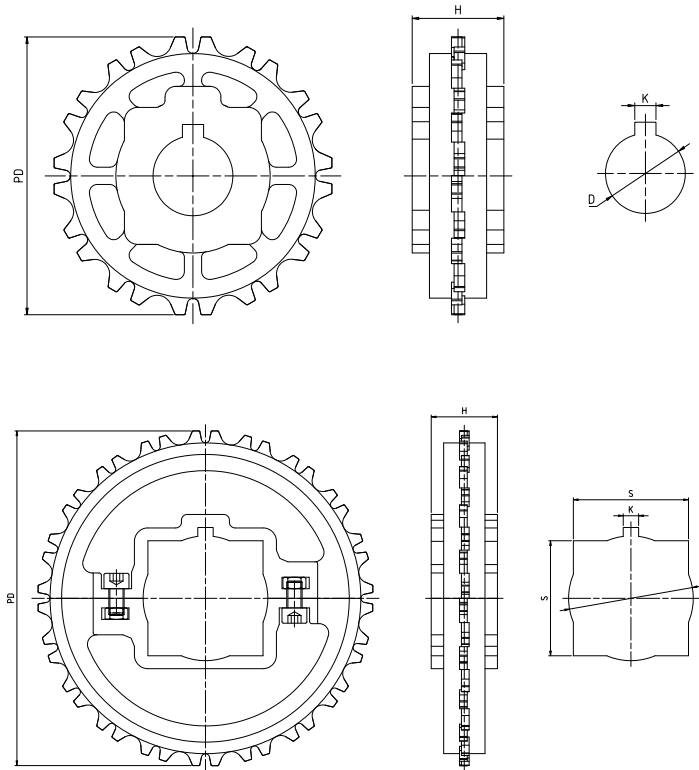
* width tolerances for modular belts are available on page 38

Standard width of module:

- 152 mm (middle module)

- 51 mm (side midule 1); 101,65 mm (side midule 2)

Sprockets



Sprocket dimensions

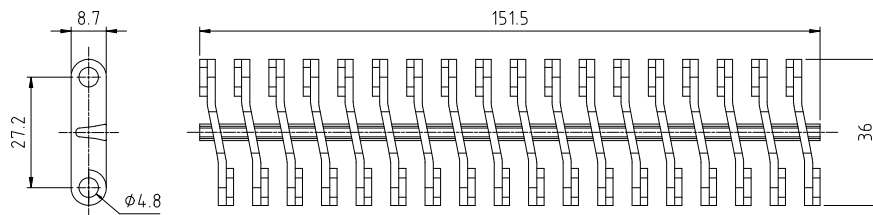
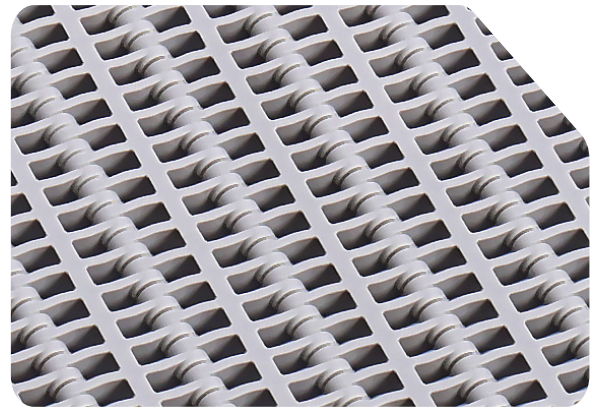
No. teeth	PD [mm]	S [mm]	D [mm]	H [mm]	K [mm]
6	54.40	25.4	-	18.5	-
9	79.53	25.4/38.1/40	25.4	21.5	6.35X3.17
10	88.02	25.4/38.1/40	25.4/30	18.8	6.35X3.17
12	105.09	25.4/30/38.1/40	25.4/30/31.75/35/38.1/45/47/50	35	6.35X3.17
17	148.03	-	114	35	4.5X4.5
18	156.64	38.1/40/50/60/63.5	25.40/30/31.75/35/38.1/40/46/47	35	6.35X3.17
20	173.87	38.1/40/60	25.4/30/31.75/38.1	35	6.35X3.17
20-Split	173.87	60	30/31.75	40	6.35X3.17
24	208.39	38.1/40	25.4/30/38.1/45	35	8X8

Flights and side guards

Base	Type	Height	Width	Margin
S2720/0980-FT	Straight flights	25 mm	152.4 mm	-
			101.6 mm	50.8 mm
		50 mm	152.4 mm	-
			101.6 mm	50.8 mm
		75 mm	152.4 mm	-
			101.6 mm	50.8 mm
	"pop-up" flights	30 mm	152.4 mm	-
	Side guard	35 mm		
		50 mm		
		80 mm		

S2720/0870-FG38

Pitch	27.2 mm
Production width	152 mm
Open area	38%
Approved	EU/FDA
Rod	Ø 4.5 mm
Flight	Tak
Side guard	Tak



Data

Belt material		Belt strenght		Temperature		Belt weight	Available colors
		kg/m [BW]	N/m [BW]	°C [min.]	°C [max.]	[kg/m²]	
easy	Polipropylen PP	1040	10400	+1	+100	4.00	white/gray/blue
	Polietylen PE	520	5200	-60	+60	4.80	natural
	Acetal POM	1620	16200	-40	+80	6.20	white
	Poliamid PA	1510	15100	+1	+180	5.70	gray
	Acetal Bio (POM BIO)	1620	16200	-40	+80	6.20	white/blue
hi-temp	HeatGuard	on request	on request	+1	+120	5,58	yellow
	ThermoPro	on request	on request	+1	+180	5,58	yellow
	Duramid	on request	on request	-40	+260	5,95	yellow
strong	Strong HK	on request	on request	-40	+80	5,89	white/blue/yellow

BW - Width of belt

Advanced hygiene technologies:



AM Silver - antibacterial

AM Gold - bacteriostatic



Detect - for metal detectors

Reference width of belts* PP/PE/POM [mm]

151,5	253	270	287	304	321	338	355	372	389	405	422	440
456	473	490	507	524	541	557	574	591	608	625	642	676
693	709	726	743	760	777	794	811	828	845	861	878	895
912	929	946	963	980	997	1013	1030	1047	1064	1081	1098	1132
1149	1166	1183	1199	1216	1233	1250	1267	1284	1301	1317	1334	1351
1368	1385	1402	1419	1436	1453	1469	1486	1503	1520	1537	1554	1571
1588	1605	1621	1638	1655	1672	1689	1706	1723	1740	1757	1773	1790
1807	1824	1841	1858	1875	1892	1909	1925	1942	1959	1976	1993	2010
2027	2044	2061	2077	2094	2111	2128	2145	2162	2179	2196	2213	2229
2246	2263											

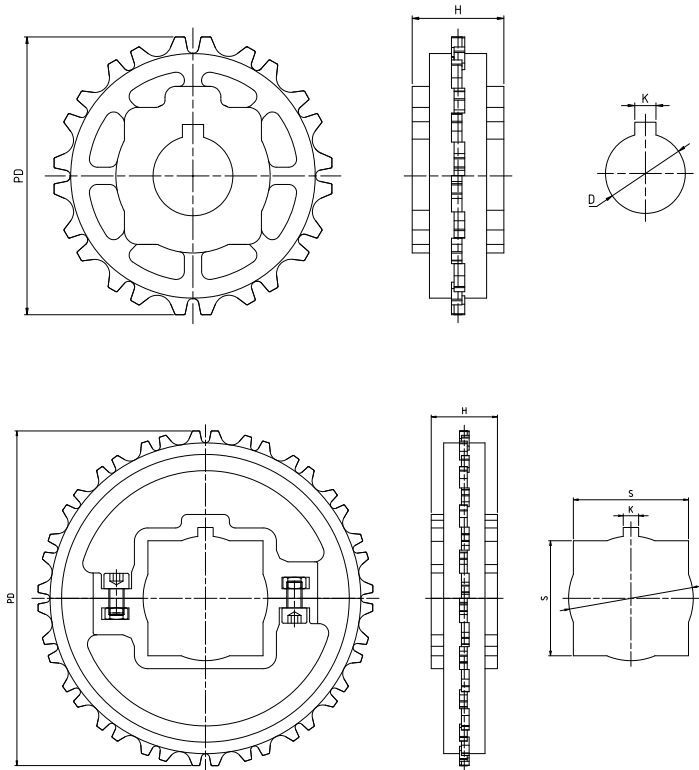
* width tolerances for modular belts are available on page 38

Standard width of module:

- 151,7 mm (middle module)

- 50,6 mm (side midule 1); 101,2 mm (side midule 2)

Sprockets



Sprocket dimensions

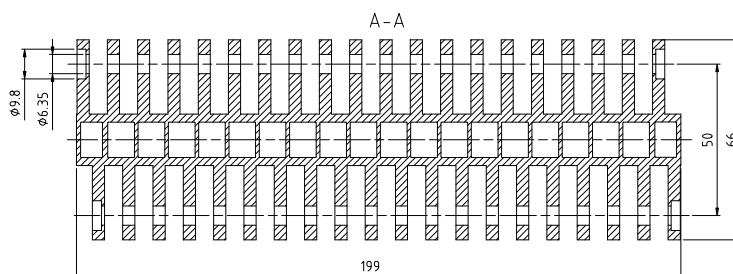
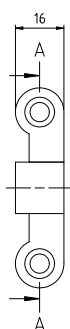
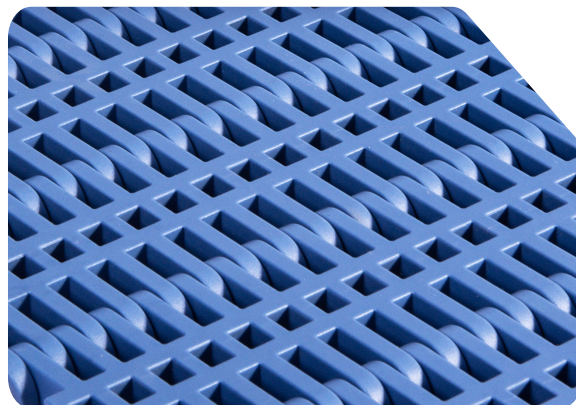
No. teeth	PD [mm]	S [mm]	D [mm]	H [mm]	K [mm]
6	54.40	25.4	-	18.5	-
9	79.53	25.4/38.1/40	25.4	21.5	6.35X3.17
10	88.02	25.4/38.1/40	25.4/30	18.8	6.35X3.17
12	105.09	25.4/30/38.1/40	25.4/30/31.75/35/38.1/45/47/50	35	6.35X3.17
17	148.03	-	114	35	4.5X4.5
18	156.64	38.1/40/50/60/63.5	25.4/30/31.75/35/38.1/40/46/47	35	6.35X3.17
20	173.87	38.1/40/60	25.4/30/31.75/38.1	35	6.35X3.17
20-SPLIT	173.87	60	31.75/30	40	6.35X3.17
24	208.39	38.1/40	25.4/30/38.1/45	35	8X8

Flights and side guards

Base	Type	Height	Width	Margin
S2720/0870-FG38	Straight flights	25 mm	152.4 mm	-
			101.6 mm	50.8 mm
		50 mm	152.4 mm	-
			101.6 mm	50.8 mm
		75 mm	152.4 mm	-
			101.6 mm	50.8 mm
	"pop-up" flights	30 mm	152.4 mm	-
	Side guard	35 mm		
		50 mm		
		80 mm		

S5000/1600-FG27

Pitch	50 mm
Production width	200 mm
Open area	27%
Approved	EU/FDA
Rod	Ø 5.8 mm
Flight	Yes
Side guard	No



Data

Belt material		Belt strenght		Temperature		Belt weight	Available colors
		kg/m [BW]	N/m [BW]	°C [min.]	°C [max.]	[kg/m²]	
easy	Polipropylen PP	2795	27950	+1	+100	8.00	white/gray
	Polietylen PE	1840	18400	- 60	+60	8.00	natural
	Acetal POM	4200	42000	- 40	+80	12.00	white/blue
	Acetal Bio (POM BIO)	4200	42000	- 40	+80	12.00	white/blue
hi-temp	HeatGuard	on request	on request	+1	+120	10.80	yellow
	ThermoPro	on request	on request	+1	+180	10.80	yellow
	Duramid	on request	on request	-40	+260	11.52	yellow
strong	Strong HK	on request	on request	-40	+80	11.40	white/blue/yellow

BW - Width of belt

Advanced hygiene technologies:



AM Silver - antibacterial

AM Gold - bacteriostatic



Detect - for metal detectors

Reference width of belts* PP/PE/POM [mm]

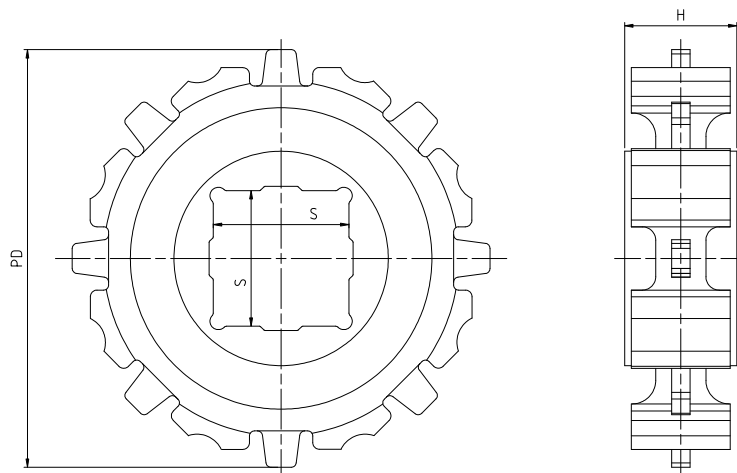
199	209	219	229	239	249	259	269	279	289	299	309	319
329	339	349	359	369	379	389	399	408	418	428	438	448
458	468	478	488	498	508	518	528	538	548	558	568	578
587	597	607	617	627	637	647	657	667	677	687	697	707
717	727	737	747	757	767	777	787	797	807	817	827	837
847	857	867	877	887	897	907	917	927	937	947	957	967
977	987	997	1007	1017	1027	1037	1047	1056	1066	1076	1086	1096
1106	1116	1126	1136	1146	1156	1166	1176	1186	1196	1205	1215	1225
1235	1245	1255	1265	1275	1285	1295	1305	1315	1325	1335	1345	1355
1365	1375	1385	1395	1405	1415	1425	1435	1445	1455	1465	1475	1485
1495	1505	1515	1525	1535	1545	1554	1564	1574	1584	1594	1604	1614
1624	1634	1644	1654	1664	1674	1684	1694	1704	1714	1724	1734	1744
1754	1764	1774	1784	1793	1803	1813	1823	1833	1843	1853	1863	1873
1883	1893	1903	1913	1923	1933	1943	1953	1963	1973	1983	1993	2003
2013	2023	2033	2043	2053	2063	2073	2083	2093	2103	2113	2123	2133
2143	2153	2163	2172	2182	2192	2202	2212	2222	2232	2242	2252	2262
2272	2282	2292	2302	2312	2322	2332	2342	2352	2362	2372	2382	2392
2402	2412	2422	2432	2442	2452	2462	2472	2482	2492	2502	2512	2522
2532	2542	2552	2561	2571	2581	2591						

* width tolerances for modular belts are available on page 38

Standard width of module:

- 199 mm

Sprockets



Sprocket dimensions

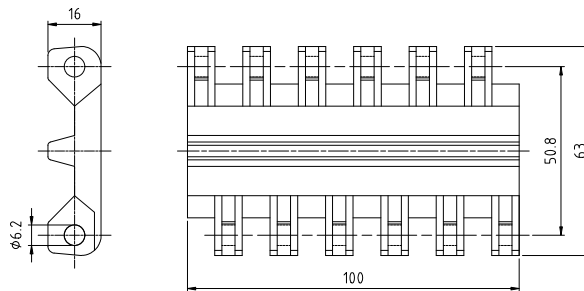
No. teeth	PD [mm]	S [mm]	D [mm]	H [mm]	K [mm]
8	130.66	40	-	33.8	-
10	161.80	40	-	33.8	-
12	193.19	38.1/40	-	33.8	8x8

Flights and side guards

Base	Type	Height	Width	Margin
S5000/1600-FG27	Bended flight	75 mm	200 mm	-
		100 mm		

S5080/1600-FT

Pitch	50.8 mm
Production width	251 mm
Open area	0%
Approved	EU/FDA
Rod	Ø 5.8 mm
Flight	Yes
Side guard	Yes



Data

Belt material		Belt strenght		Temperature		Belt weight	Available colors
		kg/m [BW]	N/m [BW]	°C [min.]	°C [max.]	[kg/m²]	
easy	Polipropylen PP	1340	13400	+1	+100	9.30	white/gray
	Polietylen PE	1280	12800	-60	+60	9.80	natural
	Acetal POM	1770	17700	-40	+80	14.00	white/blue
	Poliamid PA	1520	15200	+1	+180	12.60	dark brown
	Acetal Bio (POM BIO)	1770	17700	-40	+80	14.00	white/blue
hi-temp	HeatGuard	on request	on request	+1	+120	12.60	yellow
	ThermoPro	on request	on request	+1	+180	12.60	yellow
	Duramid	on request	on request	-40	+260	13.44	yellow
strong	Strong HK	on request	on request	-40	+80	13.30	white/blue/yellow

BW - Width of belt

Advanced hygiene technologies:



AM Silver - antibacterial

AM Gold - bacteriostatic



Detect - for metal detectors

Reference width of belts* POM [mm]

250	350	400	500	550	650	700	800	850	951	1000	1101	1151
1251	1301	1401	1451	1551	1601	1701	1751	1852	1902	2002		

* width tolerances for modular belts are available on page 38

Standard width of module:

- 99,8 mm; 149,8 mm

Reference width of belts* PP [mm]

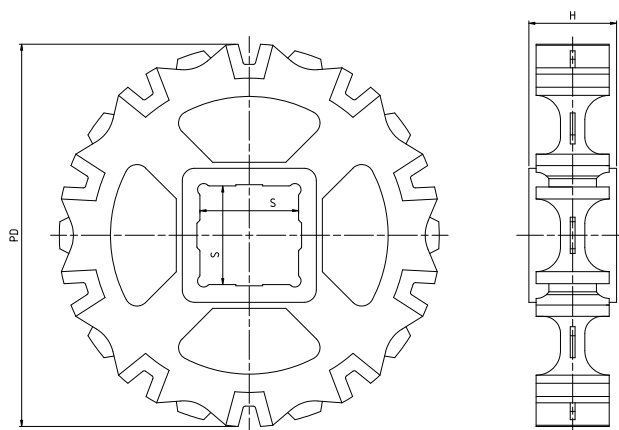
251	352	401	451	502	552	602	654	704	753	803	854	904
953	1003	1053	1103	1153	1204	1253	1303	1353	1404	1454	1504	1554
1604	1654	1704	1755	1805	1856	1906	1956	2006				

* width tolerances for modular belts are available on page 38

Standard width of module:

- 100,8 mm; 150,2 mm

Sprockets



Sprocket dimensions

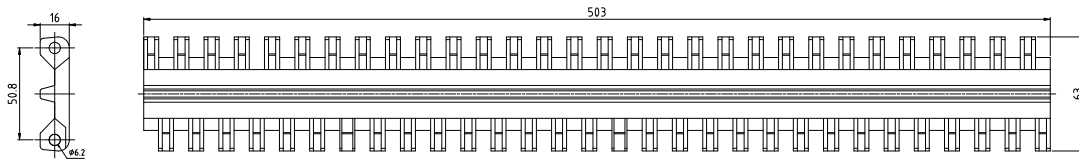
No. teeth	PD [mm]	S [mm]	D [mm]	H [mm]	K [mm]
6	101.60	25.4/38.1/40	25.4/30/45	37	8X8
8	132.75	38.1/40	25.4/30	37	6.35X3.17
10	164.39	38.1/40	30	37	8X8
12	196.28	38.1/40/50/60		37	
16	260.39		25.4	37	8X8
6/N	101.60	25.4/38.1/40	25.4/31.75/38.1	37	6.35X3.17
8/N	132.75	38.1/40	25.4/25.5/30/31.75	37	6.35X3.17
10/N	164.39	38.1/40/50.8/60	25.4/30/31.75/35/36/38.1/50/50.8	37	6.35X3.17
12/N	196.28	38.1/40/60		37	
16N	260.39	38.1/40/60/63.5	25	37	8X8

Flights and side guards

Base	Type	Height	Width	Margin
S5080/1600-FT	Straight flights	25 mm	152.4 mm	-
		50 mm		
		75 mm		
		100 mm		
		150 mm		
	"scoop" flights	76.2 mm	152.4 mm	-
		101.6 mm		
		152.4 mm		
	"pop-up" flights	50 mm	152.4 mm	-
	Side guard	60 mm		
		85 mm		
		110 mm		
		160 mm		

S5080/1600-FT EXW

Pitch	50.8 mm
Production width	503 mm
Open area	0%
Approved	EU/FDA
Rod	Ø 5.8 mm
Flight	Yes
Side guard	Yes



Data

Belt material		Belt strenght		Temperature		Belt weight	Available colors
		kg/m [BW]	N/m [BW]	°C [min.]	°C [max.]	[kg/m²]	
easy	Polipropylen PP	1340	13400	+1	+100	9.30	white/gray
	Polietylen PE	1280	12800	-60	+60	9.80	natural
	Acetal POM	1770	17700	-40	+80	14.00	white/blue
	Poliamid PA	1520	15200	+1	+180	12.60	dark brown
	Acetal Bio (POM BIO)	1770	17700	-40	+80	14.00	white/blue
hi-temp	HeatGuard	on request	on request	+1	+120	12.60	yellow
	ThermoPro	on request	on request	+1	+180	12.60	yellow
	Duramid	on request	on request	-40	+260	13.44	yellow
strong	Strong HK	on request	on request	-40	+80	13.30	white/blue/yellow

BW - Width of belt

Advanced hygiene technologies:



AM Silver - antibacterial

AM Gold - bacteriostatic



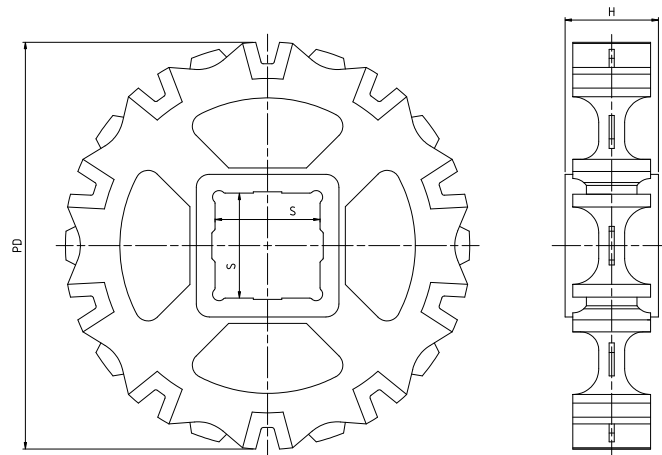
Detect - for metal detectors

Reference width of belts* POM [mm]

503												
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* width tolerances for modular belts are available on page 38

Sprockets



Sprocket dimensions

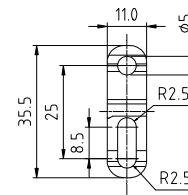
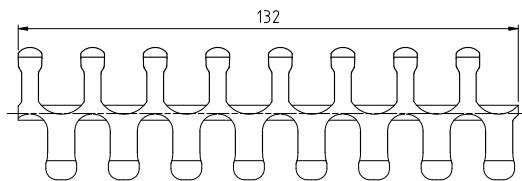
No. teeth	PD [mm]	S [mm]	D [mm]	H [mm]	K [mm]
6	101.60	25.4/38.1/40	25.4/30/45	37	8X8
8	132.75	38.1/40	25.4/30	37	6.35X3.17
10	164.39	38.1/40	30	37	8X8
12	196.28	38.1/40/50/60	-	37	-
16	260.39	-	25.4	37	8X8
6/N	101.60	25.4/38.1/40	25.4/31.75/38.1	37	6.35X3.17
8/N	132.75	38.1/40	25.4/25.5/30/31.75	37	6.35X3.17
10/N	164.39	38.1/40/50.8/60	25.4/30/31.75/35/36/38.1/50/50.8	37	6.35X3.17
12/N	196.28	38.1/40/60	-	37	-
16/N	260.39	38.1/40/60/63.5	25	37	8X8

Flights and side guards

Base	Type	Height	Width	Margin
S5080/1600-FT EXW	Straight flights	25 mm	152.4 mm	-
		50 mm		
		75 mm		
		100 mm		
		150 mm		
	"scoop" flights	76.2 mm	152.4 mm	-
		101.6 mm		
		152.4 mm		
	"pop-up" flights	50 mm	152.4 mm	-
	Side guard	60 mm		
		85 mm		
		110 mm		
		160 mm		

C2500/1100-FG36-2.2

Pitch	25 mm
Production width	165 mm
Open area	36%
Approved	EU/FDA
Rod	Ø 4.9 mm
Flight	Yes
Side guard	Yes
Łukowa	Yes



Data

Belt material		Belt strenght		Temperature		Belt weight	Available colors
		kg/m [BW]	N/m [BW]	°C [min.]	°C [max.]	[kg/m²]	
easy	Polipropylen PP	1060	10600	+1	+100	5.00	white/gray
	Polietylen PE	1030	10300	-60	+60	5.20	natural
	Acetal POM	1720	17200	-40	+80	9.60	white/blue
	Poliamid PA	1520	15220	+1	+180	7.00	dark brown
	Acetal Bio (POM BIO)	1720	17200	-40	+80	9.60	white/blue
hi-temp	HeatGuard	on request	on request	+1	+120	8.64	yellow
	ThermoPro	on request	on request	+1	+180	8.64	yellow
	Duramid	on request	on request	-40	+260	9.22	yellow
strong	Strong HK	on request	on request	-40	+80	9.12	white/blue/yellow

BW - Width of belt

Advanced hygiene technologies:



AM Silver - antibacterial

AM Gold - bacteriostatic



Detect - for metal detectors

Reference width of belts* POM [mm]

165	183	199	216	232	248	265	281	298	314	330	348	364
381	397	414	431	447	463	480	497	513	530	547	564	581
597	612	628	645	662	668	695	711	729	745	761	778	794
811	827	845	860	877	893	911	926	943	959	976	992	1009
1025	1042	1058	1075	1091	1108	1124	1141	1157	1174	1190	1207	1223
1240	1256	1273	1289	1306	1322	1339	1354	1372	1388	1405	1421	1438
1454	1471	1487	1504									

* width tolerances for modular belts are available on page 38

Standard width of module:

- 132 mm (middle module)
- 165 mm (side module)

Reference width of belts* PP/PE [mm]

166	183	199	216	232	249	267	283	300	315	332	349	366
383	398	415	432	448	466	482	500	515	532	549	567	582
600	617	632	650	668	683	701	716	733	750	766	783	800
816	833	850	866	883	900	916	934	951	967	983	1000	1017
1033	1050	1067	1083	1100	1117	1134	1150	1167	1184	1201	1218	1234
1250	1267	1284	1301	1317	1334	1351	1367	1384	1401	1417	1434	1451
1468	1484	1501										

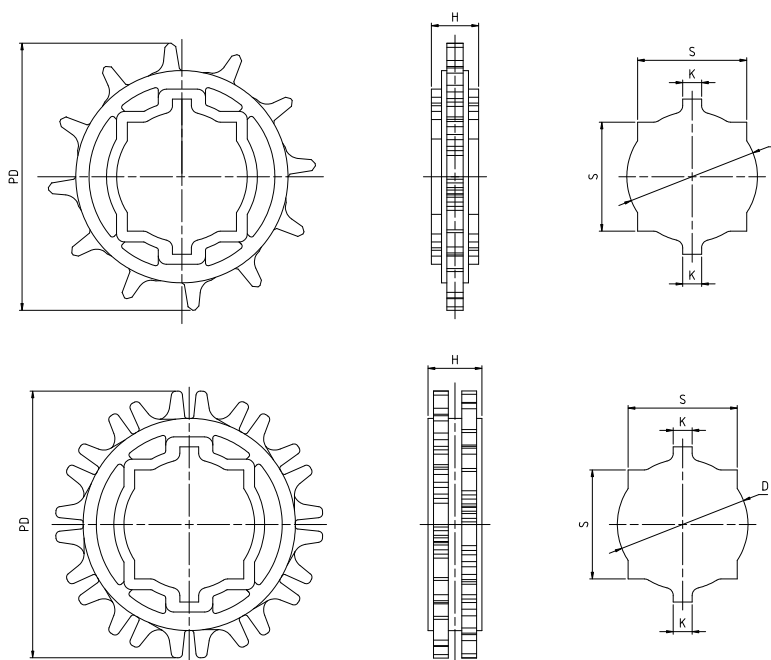
* width tolerances for modular belts are available on page 38

Standard width of module:

- 132,5 mm (middle module)

- 166 mm (side module)

Sprockets



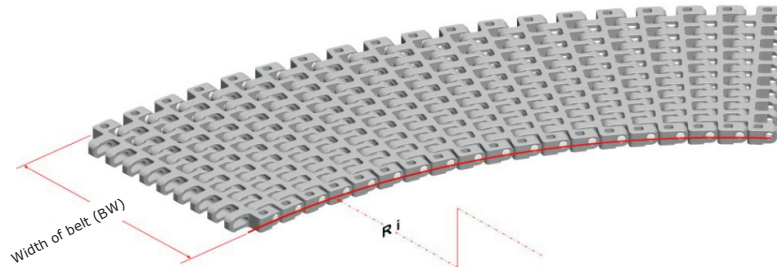
Sprocket dimensions

No. teeth	PD [mm]	S [mm]	D [mm]	H1 [mm]	H2 [mm]	K [mm]
12	96,59	25,4/38,1/39/40	25,4/28/30/31,75/35/40/46/47/50,8	11/18	-	8X8
18	143,97	25,4/38,1/40	25,4/30/31,75/35/36/40/45/47	18	-	8X8
24	191,53	38,1/40/50/60	-	30	-	-
8-2R	65,33	25,4	30	-	20	8X8
12-2R	96,59	38,1/39/40	25,4/30/45/47	-	20	8X8
15-2R	120,24	38,1/40/50,8	25/25,4/30/35/38,1/40/45/47	-	20	8X8
18-2R	143,97	38,1/40/45/60	25,4/30/40	-	20	8X8
20-2R	159,81	38,1/40/60	25,4/30/36	-	35	8X8
21-2R	167,74	38,1/40/60/63,5	45	-	35	8X8
24-2R	191,53	38,1/40/60	30	-	35	-

Flights and side guards

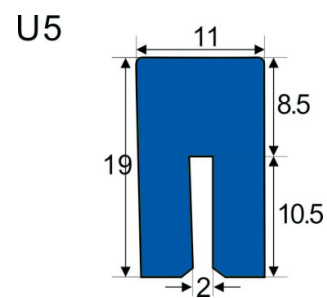
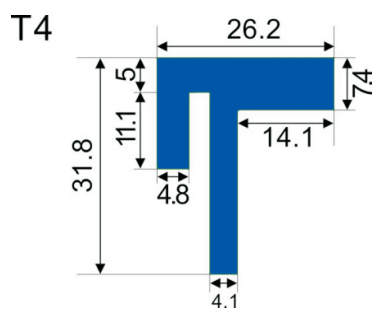
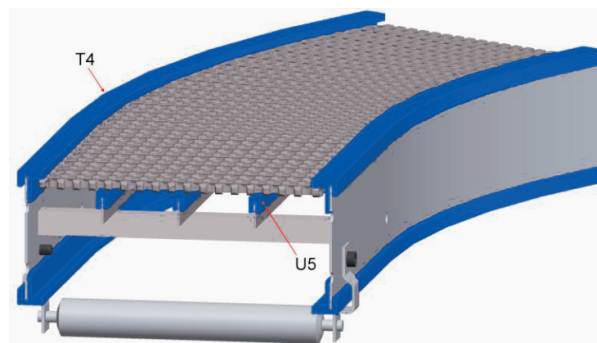
Base	Type	Height	Width	Margin
C2500/1100-FG36-2.2	Straight flights	50 mm	133 mm	-
			165 mm	2x20 mm
	Side guard	60 mm		

What to look for?



- The minimum inside turning radius is 2.2 times the belt width. This applies to all manufactured widths. The recommended turning radius that maintains optimal belt geometry is 2.5 times the belt width
- The minimum length of the straight section near the drive and return shaft of a radius belt must be twice the width of the belt.
- The minimum straight run section between two turns in opposite directions must be 2 times the width of the belt.

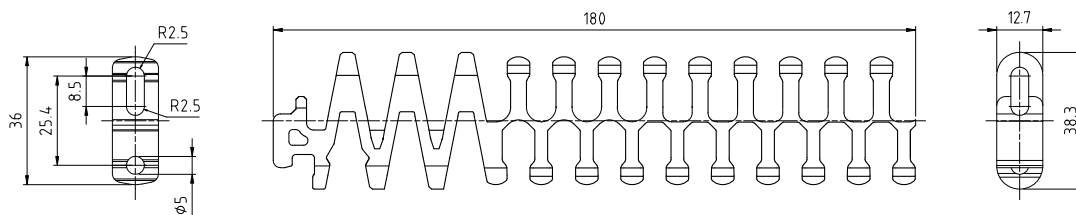
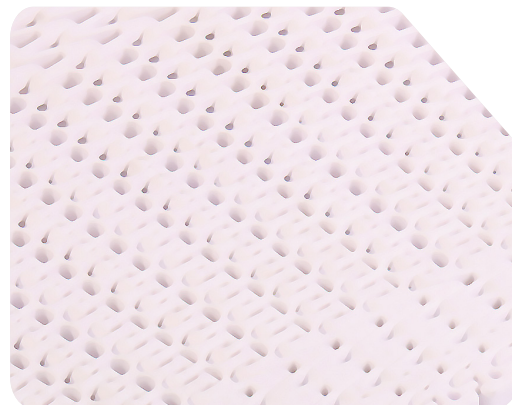
Guide rail and wear strips



- We have different kinds of guide rail and wear strips for your choice. For more information, please consult our sales team.

C2540/1270-FG42-1.7

Pitch	25.4 mm
Minimalna Width	301 mm
Open area	42%
Approved	EU/FDA
Rod	Ø 4.5 mm
Flight	No
Side guard	No
Łukowa	Tak



Data

Belt material		Belt strenght		Temperature		Belt weight	Available colors
		kg/m [BW]	N/m [BW]	°C [min.]	°C [max.]	[kg/m²]	
easy	Polipropylen PP	890	8900	+1	+100	5.90	white/gray
	Polietylen PE	890	8900	-60	+60	5.50	natural
	Acetal POM	890	8900	-40	+80	8.50	white/blue
	Poliamid PA	890	8900	+1	+180	6.00	dark brown
	Acetal Bio (POM BIO)	890	8900	-40	+80	8.50	white/blue
hi-temp	HeatGuard	on request	on request	+1	+120	7.65	yellow
	ThermoPro	on request	on request	+1	+180	7.65	yellow
	Duramid	on request	on request	-40	+260	8.16	yellow
strong	Strong HK	on request	on request	-40	+80	8.08	white/blue/yellow

BW - width of belt

Advanced hygiene technologies:


AM Silver - antibacterial

AM Gold - bacteriostatic

Detect - for metal detectors

Reference width of belts* POM [mm]

303	353	403	455	506	557	608	658	709	759	810	859	910
962	1012	1089	1214	1265	1315	1366	1416	1467	1518	1567	1618	1668
1719	1769	1820	1871	1921	1972	2022	2071	2123				

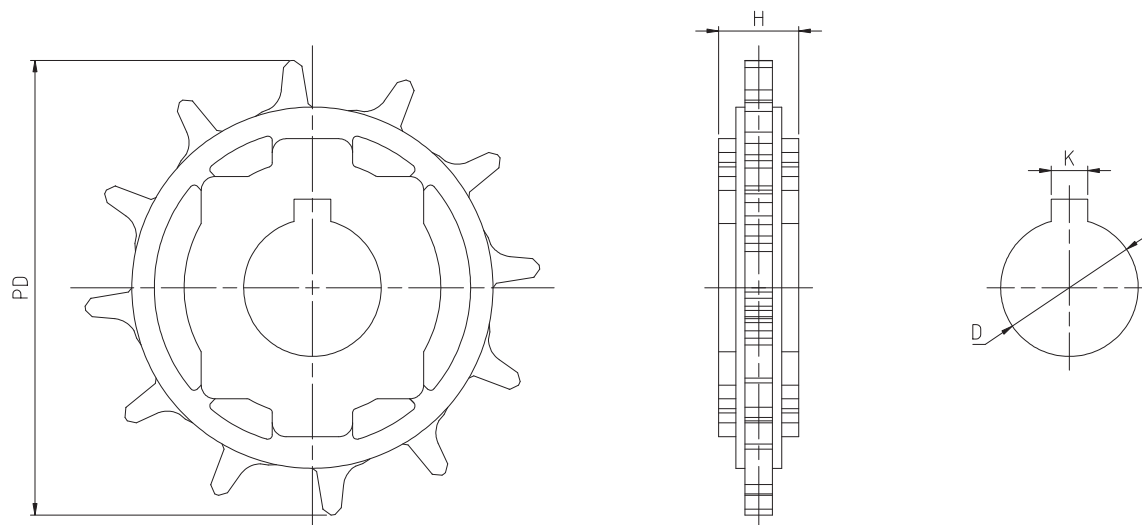
* width tolerances for modular belts are available on page 38

Standard width of module:

- 151,5 mm (middle module)

- 122,8 mm (side midule 1); 179,5 mm (side midule 2)

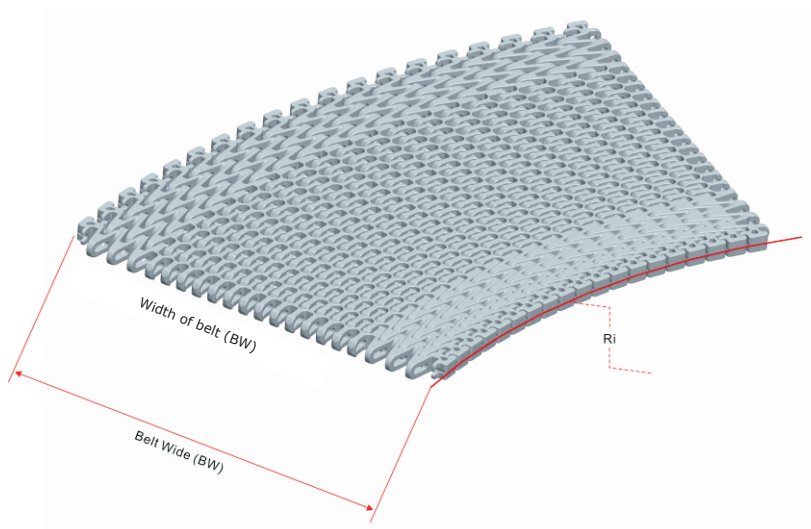
Sprockets



Sprocket dimensions

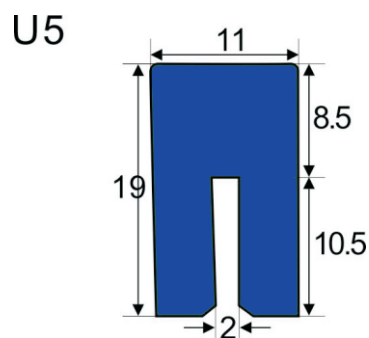
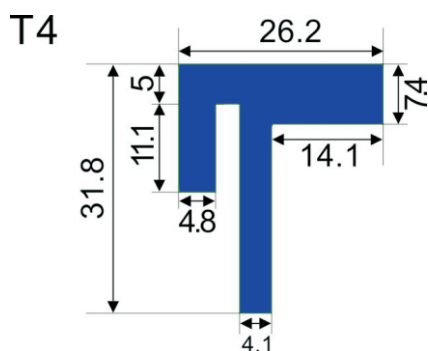
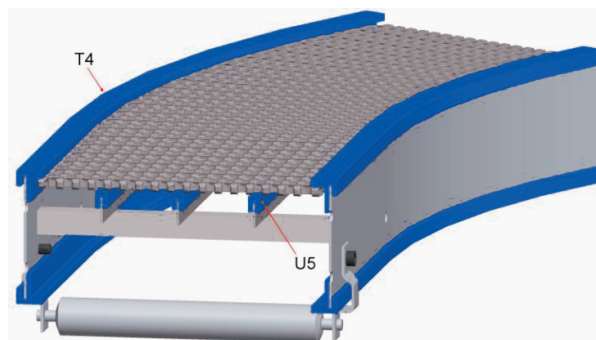
No. teeth	PD [mm]	S [mm]	D [mm]	H1 [mm]	H2 [mm]	K [mm]
12	98.14	25.4/38.1/39/40	25.4/28/30/31.75/35/40/ 46/47/50.8	18	8X8	7x7
18	146.27	25.4/38.1/40	25.4/30/31.75/35/36/ 40/45/47	18	8X8	8x8
24	194.60	38.1/40/50/60	-	30	-	-
9-2R	74.27	25.4	25.4	25	6.35X3.17	
12-2R	98.14	38.1/40	-	25	-	
16-2R	130.20	38.1/40	25.4/38.1	25	6.35X3.17	
20-2R	162.37	38.1/40	25.4/38.1	25	6.35X3.17	

What to look for?



- The minimum turning radius (inside) is 1.7 times of belt width under all feasible belt width, 2.0 times of belt width is the most optimal.
- The minimum straight run section near driving shaft and idling shaft of radius belt must be 2 times of the belt width in length.
- The minimum straight run section between two turns of opposing direction must be 2 times of the belt width in length.
- When using a belt width bigger than 453 mm in spiral and flat turning applications, please contact our sales team.

Guide rail and wear strips

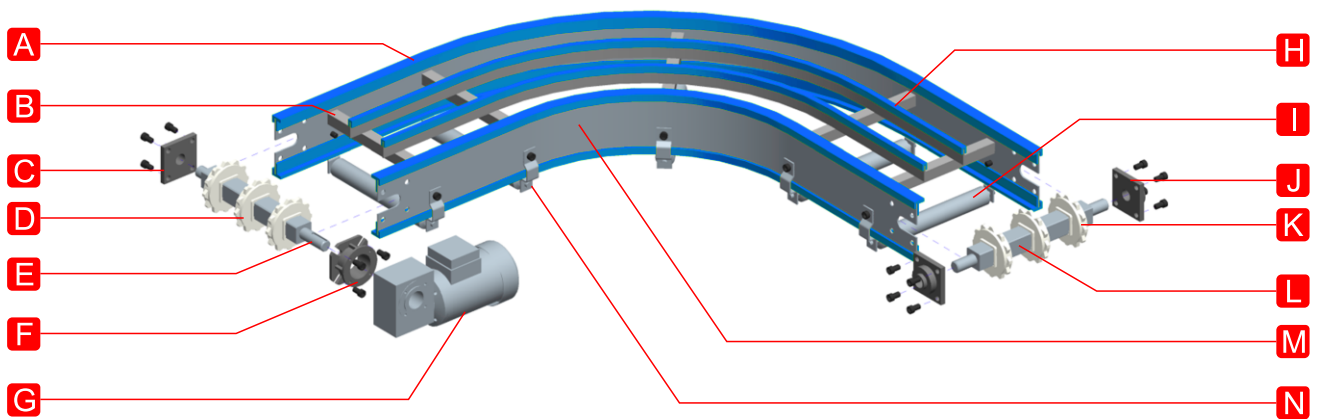


- We have different kinds of guide rail and wear strips for your choice. For more information, please consult our sales team.

Radius conveyor operating speed

In the case when the radius belt rests on the side slides and the speed is above 30 m/min, the belt is exposed to falling on the return. This is due to the fact that the belt tension during operation on the curve cannot be too high.

In such a situation, additional rollers with bearings should be used on the return. To reduce friction between the slides and the belt, support should be provided with slides made of materials with a low coefficient of friction (ACETAL).



A: Side cover T3 T4 T5	H: Wear strip
B: Support plate	I: Supporting roller
C: Bearing	J: Bearing
D: Driven sprockets	K: Driving sprockets
E: Drive shaft	L: Driving shaft
F: Bearing cover	M: Side cover plate
G: Gear motor	N: Supporting roller

Width tolerances for modular belts

Pitch 12,7 mm	Width of belt	
	≤ 750 mm	> 750 mm
Belt material PE	± 4 mm	± 0,5%
Belt material PP	± 3 mm	± 0,4%
Belt material POM	± 4 mm	± 0,5%

Pitch 25,4 mm	Width of belt	
	≤ 750 mm	> 750 mm
Belt material PE	± 4 mm	± 0,5%
Belt material PP	± 3 mm	± 0,4%
Belt material POM	± 4 mm	± 0,5%

Pitch 50,8 mm	Width of belt	
	≤ 750 mm	> 750 mm
Belt material PE	± 4 mm	± 0,6%
Belt material PP	± 3 mm	± 0,5%
Belt material POM	± 4 mm	± 0,6%

Chemical resistance chart

Determining whether contact with the materials listed in the table is harmful to the human body is beyond the manufacturer's duty and responsibility (additional technical data sheets will not be issued). If the chemical conditions specified in the chart change, the chemical resistance of the belt modules must also be reconsidered. It is recommended to observe or conduct tests on actual modules (test samples available upon customer request) to assess the impact of different environments and conditions on the belt modules.

Material	Symbol	Certification*	Density g/cm ³	Temp. Min.	Temp. Max.	Colour**
Polypropylene	PP	The thermoplastic texture features excellent resistance to acids and bases. Strong concentrations and applications below 10°C should be avoided.				
		EU FDA	0,9	+1°C	+100°	white grey blue
Polyethylene	PE	The thermoplastic material is suitable for use in low-temperature environments or applications where the transported item falls onto the belt. It offers excellent resistance to acids and bases but is not suitable for high-friction applications. It should not be exposed to prolonged contact with high-concentration acids and chlorine. Below -40°C, the sprocket may not engage properly with the belt due to material shrinkage.				
		EU FDA	0,94	-60°C	+60°C	natural black brown red, blue
Polioksymetylen (Acetal)	POM (AC)	The thermoplastic material features high mechanical strength, a low friction coefficient, considerable impact resistance, and resistance to cutting, along with excellent resistance to acids and bases. It is suitable for transporting heavy objects in low temperatures but is not suitable for prolonged exposure to high-concentration acids and chlorine.				
		EU FDA	1,42	-40°C	+80°C	blue white, dark grey
Poliamid	PA	The thermoplastic material has high mechanical strength and hardness, making it suitable for transporting heavy loads in dry environments and at high temperatures. After material modification, it can maintain stability in dry and warm conditions. Flammability: UL94 V2 Above +40°C, the material becomes very hard.				
		EU FDA	1,14	+1°	+180°C	natural beige
Strong HK	HK	The module is made of a material with exceptional impact and mechanical damage resistance, ensuring outstanding durability in demanding working conditions. It is resistant to many aggressive chemicals and is more environmentally friendly compared to many other plastics.				
		EU FDA	1,24	-40°C	+80°C	natural white blue yellow

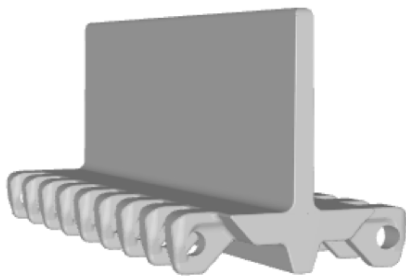
*Optional: Specify at the inquiry stage if certification (e.g., EU food contact, FDA, or other) is required.

**Other colours available on request.

ACCESSORIES

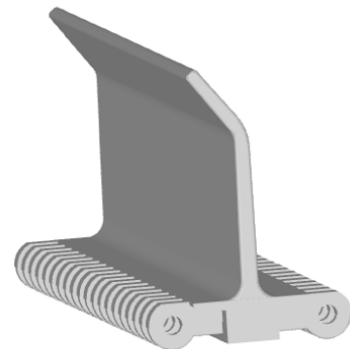
Straight flights

Modular belts can be equipped with flights, allowing for inclined transport. The height range of the flights varies depending on the belt series.



Bended flights

Bended flights feature a special bend that supports the product during upward transport.



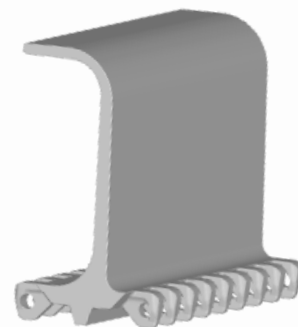
„Pop-up” flights

„Pop-up” flights – A true innovation in the food industry. These extend during belt ascent to support the transported product and retract after successful discharge. This is particularly useful for sticky or adhesive food products.



„Scoop” flights

„Scoop” flights – To prevent products from falling during steep incline transport, we offer scoop flights. Depending on the series, they are available in 75, 100, and 150 mm heights. The standard bend angle is 90 degrees, enabling vertical product transport.

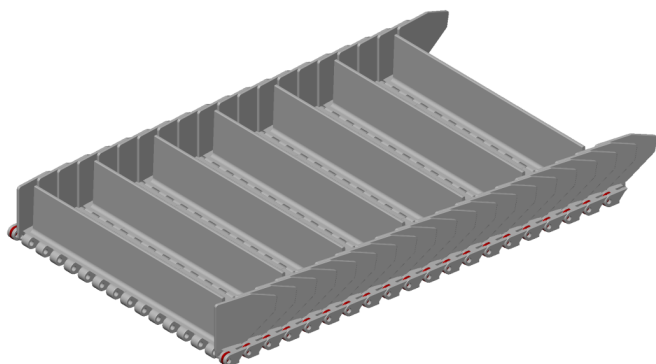


Available flights

Belt Type	Flight Type	Height	Width	Indent
S1520/0870-FT	Straight flight	50.8 mm	152.4 mm	-
S1520/0870-FG28	Straight flight	50.8 mm	152.4 mm	-
S2540/1020-FT	Straight flight	25 mm	292 mm	22 mm
		50 mm	152 mm	24 mm
		75 mm	292 mm	22 mm
		10 mm	152 mm	24 mm
S2540/0880-FT	Straight flight	10 mm	152.5 mm	-
S2540/1000-FG32	Straight flight	25 mm	200 mm	-
		50 mm		
		75 mm		
S2720/0980-FT	Straight flight	25 mm	152,4 mm	-
		50 mm	101,6 mm	50,8 mm
		75 mm	152,4 mm	-
		30 mm	101,6 mm	50,8 mm
		75 mm	152,4 mm	-
		30 mm	101,6 mm	50,8 mm
S2720/0870-FG38	Straight flight	25 mm	152,4 mm	-
		50 mm	101,6 mm	50,8 mm
		75 mm	152,4 mm	-
		30 mm	101,6 mm	50,8 mm
		75 mm	152,4 mm	-
		30 mm	101,6 mm	50,8 mm
S5000/1600-FG27	Bended flight	75 mm	200 mm	-
		100 mm		
		150 mm		
S5080/1600-FT	Straight flight	25 mm	152,4 mm	-
		50 mm		
		75 mm		
		100 mm		
		150 mm		
		76,2 mm		
S5080/1600-FT EXW	„Scoop“ flight	101,6 mm	152,4 mm	-
		152,4 mm		
		50 mm		
S5080/1600-FT EXW	Straight flight	25 mm	152,4 mm	-
		50 mm		
		75 mm		
		100 mm		
		150 mm		
		76,2 mm		
S5080/1600-FT EXW	„Scoop“ flight	101,6 mm	152,4 mm	-
		152,4 mm		
		50 mm		
C2500/1100-FG36-2.2	Straight flight	50 mm	133 mm	-
			165 mm	2x20 mm
			165 mm	2x20 mm

Sidewalls

We offer different sizes of sidewalls that can be easily adjusted to match the corresponding flights. Sidewalls prevent lateral displacement of the conveyed product.



Example of a sidewall and flight combination

Available sidewalls

Belt base	Height
S2540/1020-FT	35 / 60 mm
S2720/0980-FT	35 / 50 / 80 mm
S2720/0870-FG38	35 / 50 / 80 mm
S5080/1600-FT	60 / 85 / 110 / 160 mm
S5080/1600-FT EXW	60 / 85 / 110 / 160 mm
C2500/1100-FG36-2.2	25 mm

MODULAR BELTS SELECTION FORM

Customer data

Company name			
Contact person			
Customer type	☐ OEM	☐ End user	☐ Distributor
Industry			
Name of end user			

Application data

Application	
Product	
Direct food contact	☐ Yes ☐ No
No direct contact -> packaging material?	
Product size	(L x W x H; mm)
Product weight	(kg/m²)
Product temperatur	(°C)
Environment temperature	(°C)
Belt speed	(m/min)

Conveyor system

☐ Striaight ☐ Curve ☐ Horizontal ☐ Incline ☐ Decling	
In-/decline angle	
Central drive ("Omega Drive")?	☐ Yes ☐ No
Distance between axes	(mm)
Start/Stop	☐ Yes ☐ No
Accumulation	☐ Yes ☐ No
Water contact	☐ Yes ☐ No
Contact with chemicals during work	☐ Yes ☐ No Type:
Contact with chemicals during cleaning	☐ Yes ☐ No Type:

Flights

Type: ☐ Straight ☐ Scoop ☐ Bended ☐ Other:	
Width	(mm)
Indent	left right (mm)
Height	(mm)
Pitch	(mm)

Sidewall

Height	(mm)
Indent	(mm)

Belt data

☐ New belt ☐ Replacement -> Manufacturer / type:	
Pitch of belt	
Length: (mm)	Width: (mm)
Colour of belt	
Material of belt	☐ POM ☐ PP ☐ PE ☐ PA ☐ Inne:
Material of rods	☐ POM ☐ PP ☐ PE ☐ PA ☐ Stal ☐ Stainless steel ☐ others:
Fastening of rods	☐ headed rods ☐ clips ☐ others:

Accessories

Drive pulley	
Teeth quantity	
Quantity on shaft	(szt.)
Pitch diameter	(mm)
Bore type	☐ square ☐ round ☐ round with keyway
Bore size	(mm)
Return pulley	
Teeth quantity	
Quannity on shaft	(szt.)
Pitch diameter	(mm)
Bore type	☐ square ☐ round ☐ round with keyway
Bore size	(mm)
Wearstrips	
Material	☐ PE HD 1000/UHMW ☐ PE HD 500/UHMW ☐ Polyamide (Nylon) ☐ Stainless steel ☐ Other:
Configuration	☐ Wearstrips (WxT): (mm) Spacing: ☐ V-shaped wearstrips (WxT): (mm) Spacing: ☐ Support of the entire surface

Sketch of the conveyor showing the direction of movement and the position of the drive motor.

Are there any issues with the belt/application? ☐ No ☐ Yes, description:

What is the main reason for change to a new belt?

- ☐ New conveyor
- ☐ Belt wear

Service life of current belt:_____

Comments:



Member of the Maxbelt Rak Group

Maxbelt Modular

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