SCANBELT A/S

SCANBELT

Technical Information

SCANBELT A/S

ScanBelt is one of the world´s leading manufacturers of modular plastic conveyor belts. ScanBelt has the largest and most flexible programme on the market. We currently have more than 50 different belt types available and can therefore offer the ultimate solution to special tasks of any sort.

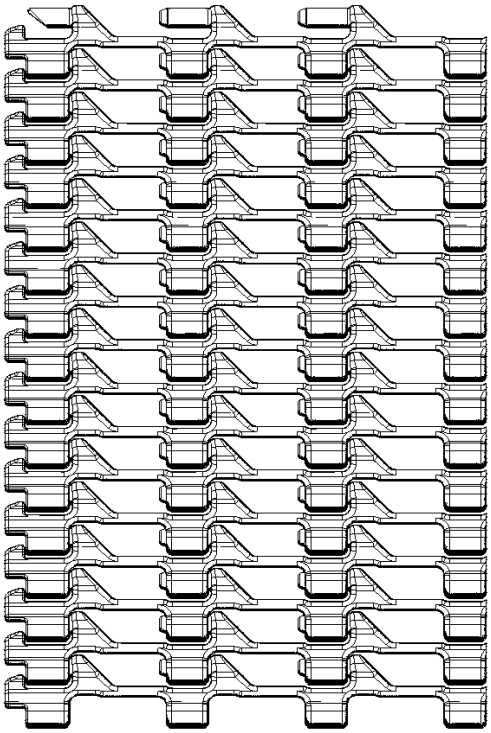
A major factor which makes ScanBelt so flexible is the fact that the process from design and tool making to plastic moulding and assembling of whole belts all takes place in the same factory in Hjoerring, Denmark.

Some ScanBelt products are **Registered Trademark ®** while others are protected by the **EU Design Registration (Registered Community Design).**
Furthermore, the rod retention systems for most of our series are protected by the EU Design Registration

1.Belt S. 06

Pitch 6,25 mm

S. 06-401



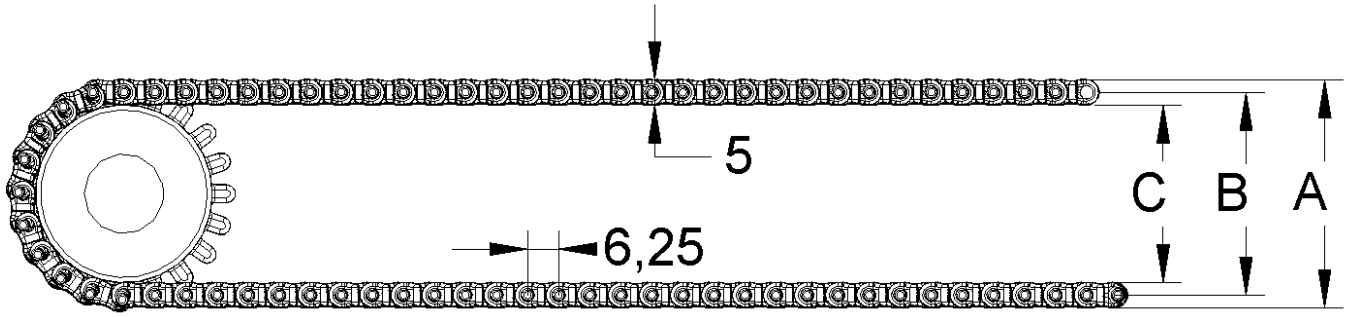
Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Polyacetal (POM)	Min. 250	2,8

Belt surface:	Open belt with a smooth surface.
Open area:	40%. Biggest opening 4 x 8 mm.
Strength:	Ideal choice for light transportation.
Material/colour:	POM/NAT
Cleanability:	Excellent. FSIS
Accessories:	
Application:	Transport of products that require a very small transfer, runs on 7 mm nose bar. FDA approved
Standard widths:	Increments of 40 mm, e.g. 200 mm, 240 mm.

Registered Trademark ®

Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch diameter	C= Inside-diameter		Round bore		Square bore	
					mm	in.	mm	in.
20	44	39	35	6	20			
36	74	69	65	6	20/25		25	
48	96	91	87	6	20/25		25/40	

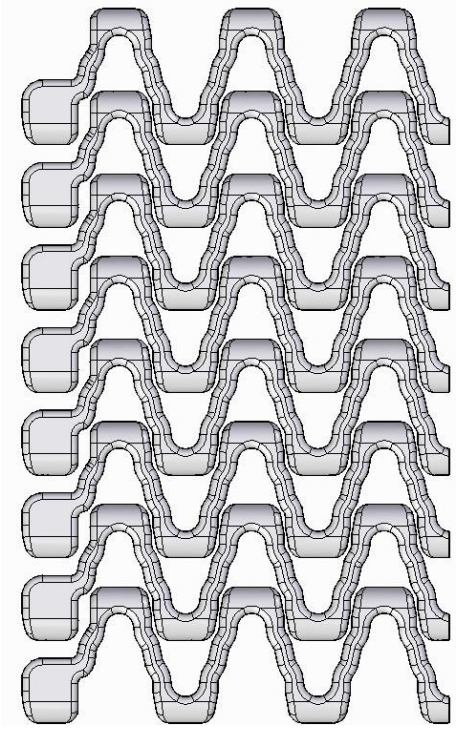
Other sprockets are available upon request



2. Belt S. 12

Pitch 12,5 mm

S. 12-401



Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Polyethylene (PE)	600	3,5
Polypropylene (PP)	800	3,5
Polyacetal (POM)	1450	4,8

Belt surface:	Open belt with a smooth surface.
Open area:	40%. Biggest opening 6 x 8 mm.
Strength:	Ideal choice for light transportation.
Material/colour:	PE/nat, PP/white and grey. POM/blue
Cleanability:	Excellent. FSIS
Accessories:	25 mm. Flight, friction top
Application:	Cooling belt for small nose bar.
Standard widths:	Increments of 20 mm, e.g. 100, 120 mm etc

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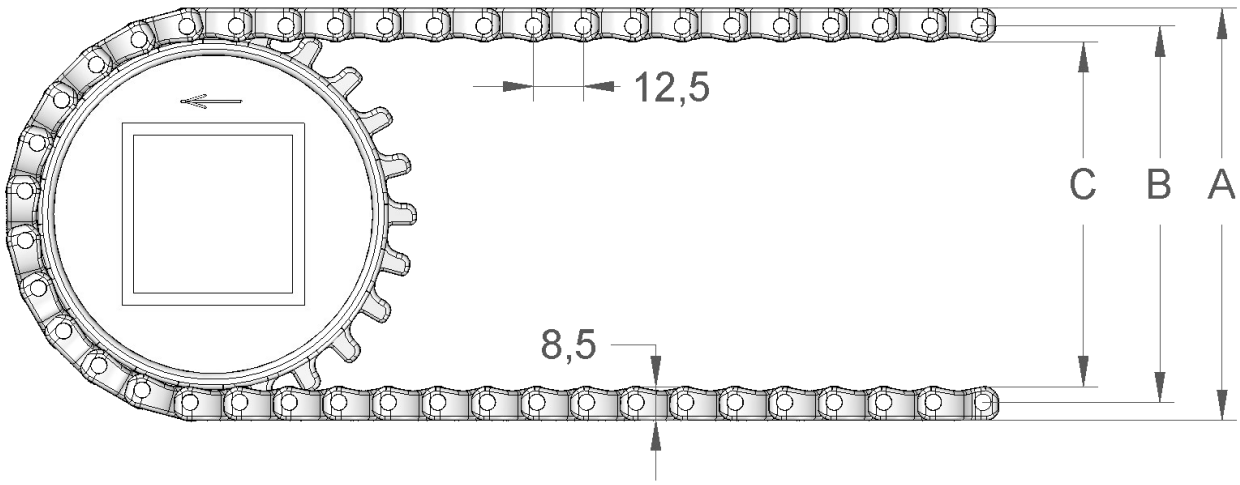
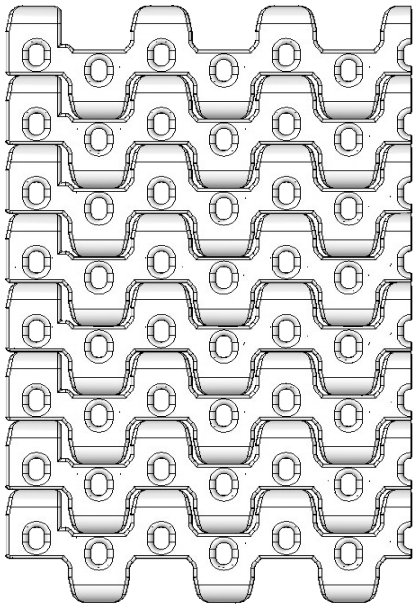
Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch diameter	C= Inside-diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
10	50	42	33	8	20	3/4		
19	84	76	67	12	20/25/30/40		25/40	1½
24	104	96	87	12	20/25/30/40		25/40	1½
28	120	112	103	12	20/25/30/40		25/40	1½



S. 12-406



Belt data		
Materials	Max. belt pull kg/m width	Belt weight kg/m^2
Polyethylene (PE)	600	4,5
Polypropylene (PP)	800	4,5
Polyacetal (POM)	1450	6

Belt surface:	Perforated flat top.
Open area:	8%. Biggest opening 4 x 2,5 mm.
Strength:	Ideal choice for light transportation.
Material/colour:	PE/nat, PP/white and grey. POM/blue
Cleanability:	Excellent. FSIS
Accessories:	25 mm flights, friction top.
Application:	Cooling belt for small nose bar (14 mm).
Standard widths:	Increments of 20 mm, e.g. 100, 120 mm etc.

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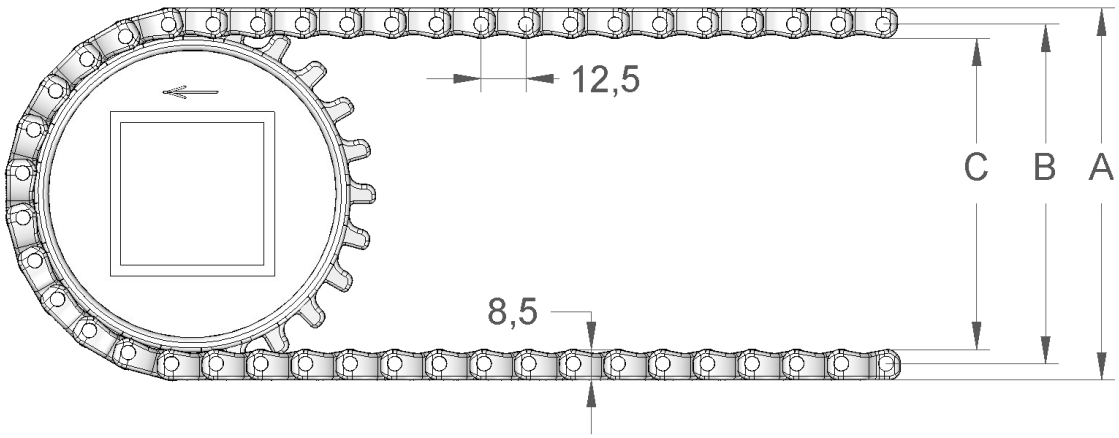
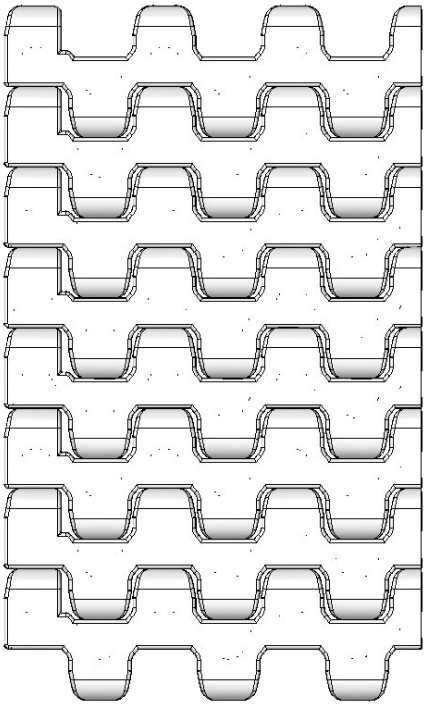
Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch diameter	C= Inside-diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
10	50	42	33	8	20	3/4		
19	84	76	67	12	20/25/30/40		25/40	1½
24	104	96	87	12	20/25/30/40		25/40	1½
28	120	112	103	12	20/25/30/40		25/40	1½



S. 12-408



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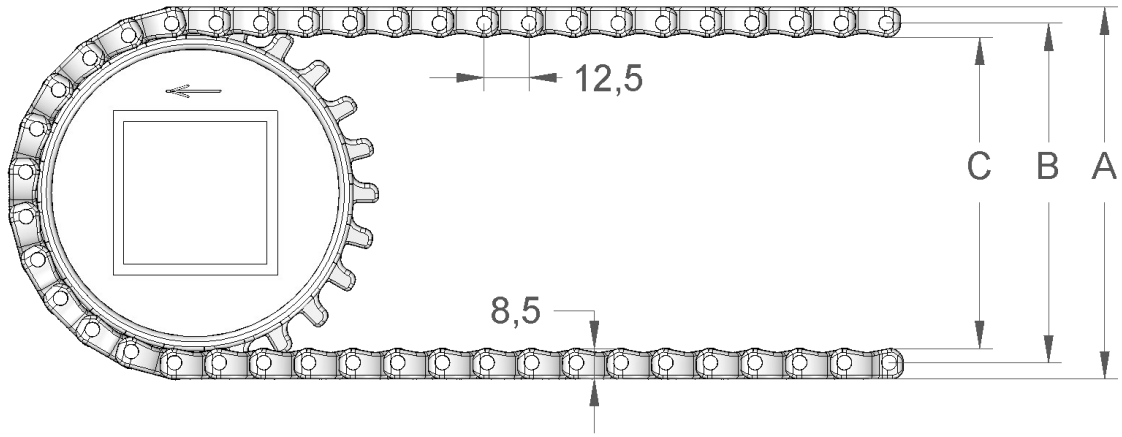
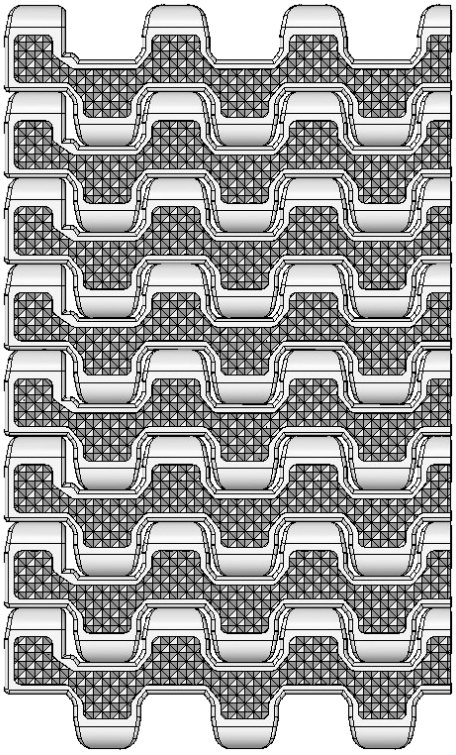
Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Polyethylene (PE)	600	4,5
Polypropylene (PP)	800	4,5
Polyacetal (POM)	1450	6

Belt surface:	Flat top.
Open area:	Closed.
Strength:	Ideal choice for light transportation.
Material/colour:	PE/nat, PP/white and grey. POM/blue
Cleanability:	Excellent. FSIS
Accessories:	25 mm flights, friction top.
Application:	Cooling belt for small nose bar (14 mm)
Standard widths:	Increments of 20 mm, e.g. 100, 120 mm etc

Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch diameter	C= Inside-diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
10	50	42	33	8	20	3/4		
19	84	76	67	12	20/25/30/40		25/40	1½
24	104	96	87	12	20/25/30/40		25/40	1½
28	120	112	103	12	20/25/30/40		25/40	1½



S. 12-408 F/2 component



Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Copolymer:	750	6

Belt surface:	Flat top with friction surface.
Open area:	Closed.
Strength:	Ideal choice for light transportation.
Colour:	nat/white.
Cleanability:	Excellent. FSIS
Accessories:	25 mm flights
Application:	Transport of goods on a slightly inclined conveyor. Runs on 14 mm nose bar.
Standard widths:	Increments of 20 mm, e.g. 100, 120 mm etc

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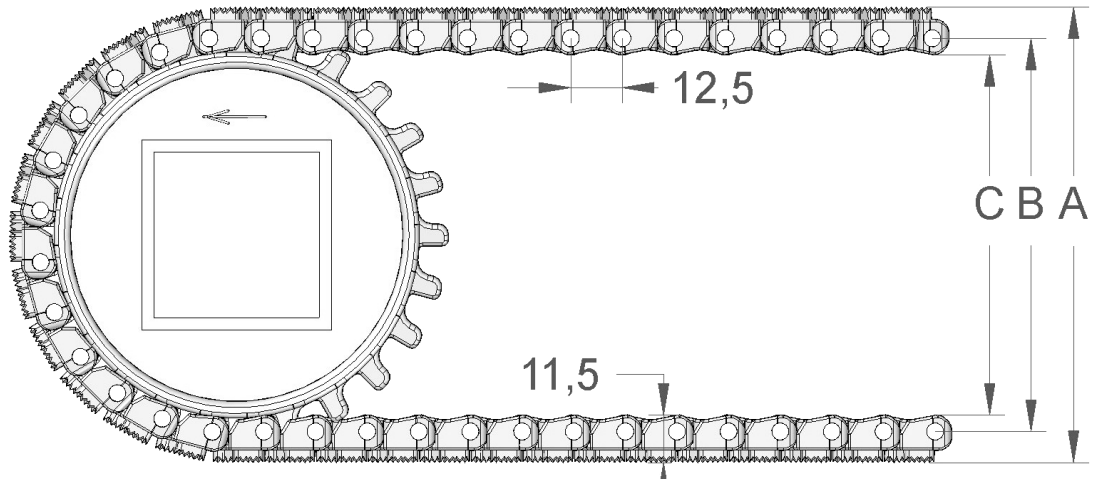
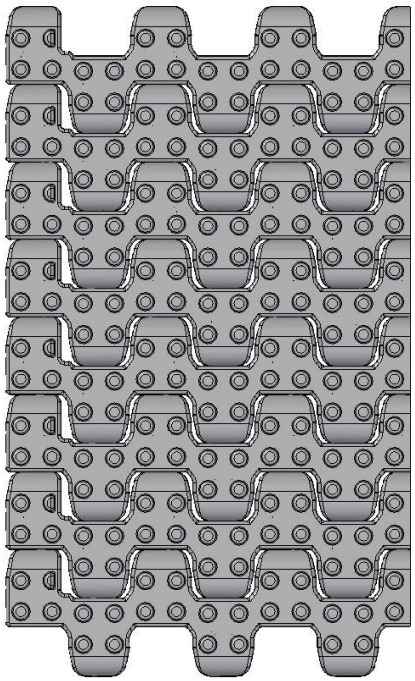
Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch diameter	C= Inside-diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
10	52	42	33	8	20	3/4		
19	86	76	67	12	20/25/30/40		25/40	1½
24	106	96	87	12	20/25/30/40		25/40	1½
28	122	112	103	12	20/25/30/40		25/40	1½



S. 12-438



Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Polyethylene (PE)	600	4,5
Polypropylene (PP)	800	4,5
Polyacetal (POM)	1450	6

Belt surface:	Structure top with 2 mm nubs.
Open area:	Closed.
Strength:	Ideal choice for light transportation.
Material/colour:	PE/nat, PP/white and grey. POM/blue
Cleanability:	Excellent. FSIS
Accessories:	25 mm flights, friction top.
Application:	Ideal for poultry, meat and seafood industry. Cooling belt for small (14 mm) nose bar.
Standard widths:	Increments of 20 mm, e.g. 100, 120 mm etc.

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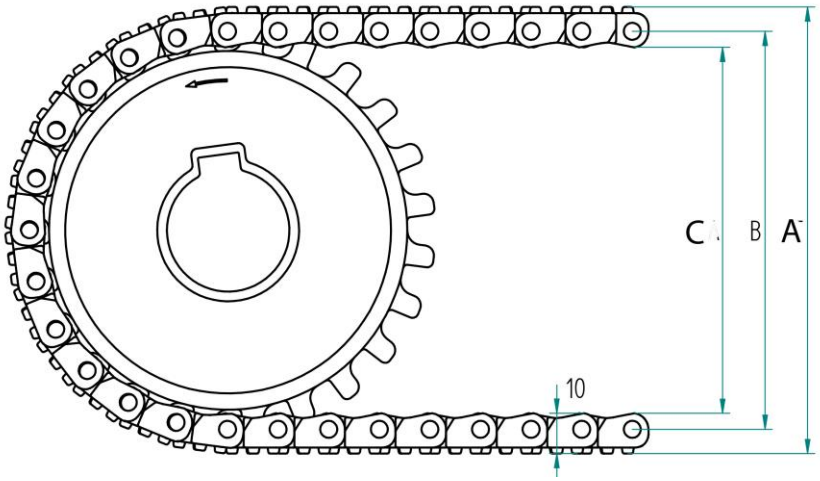
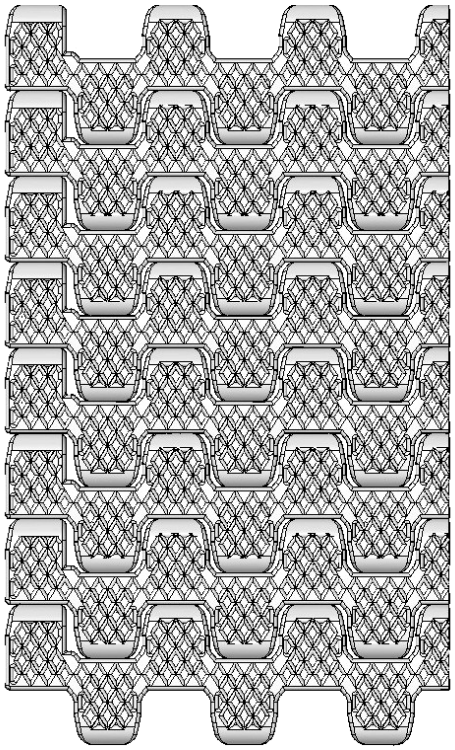
Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch diameter	C= Inside-diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
10	53	42	33	8	20	3/4		
19	87	76	67	12	20/25/30/40		25/40	1½
24	107	96	87	12	20/25/30/40		25/40	1½
28	123	112	103	12	20/25/30/40		25/40	1½



S. 12-448



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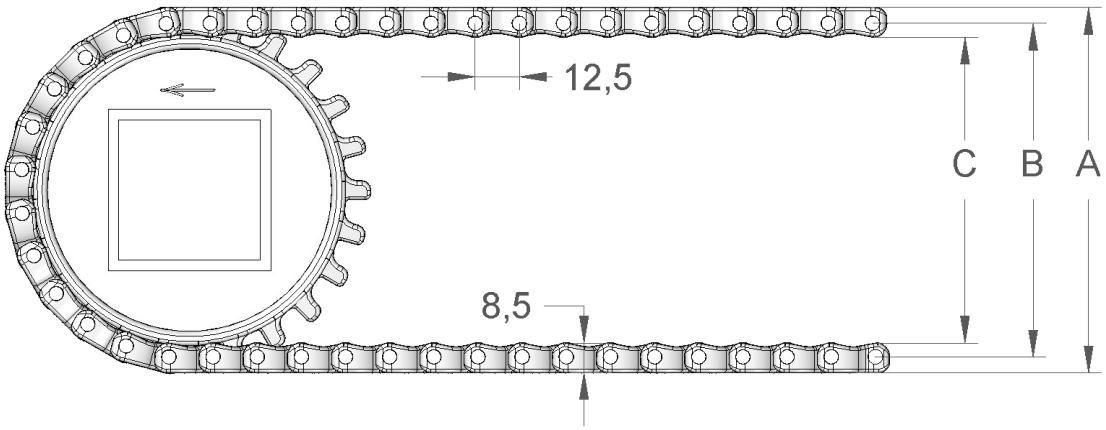
Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Polyethylene (PE)	600	4,5
Polypropylene (PP)	800	4,5
Polyacetal (POM)	1450	6

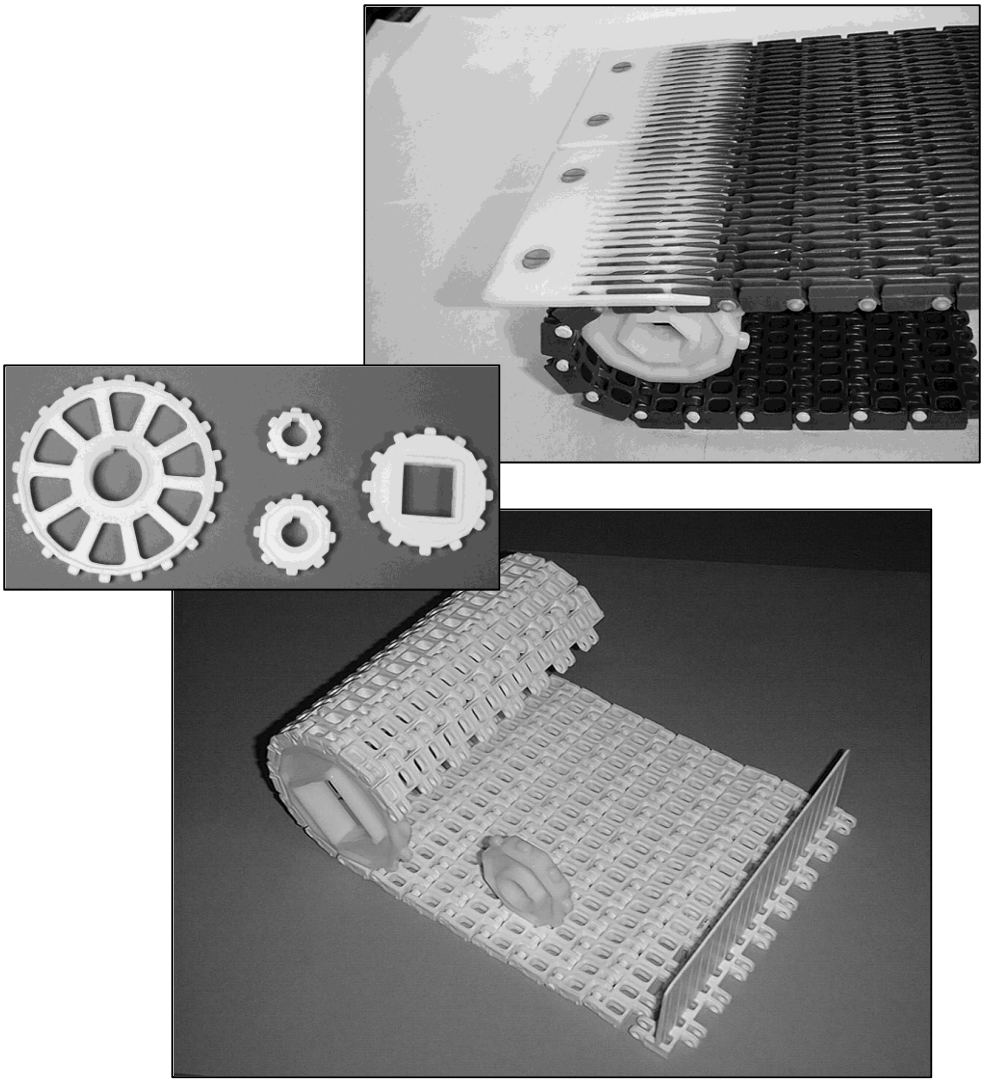
Belt surface:	Closed top with an inverted diamond pattern
Open area:	Closed.
Strength:	Ideal choice for light transportation.
Material/colour:	PE/nat and PP/white
Cleanability:	Excellent. FSIS
Accessories:	25 mm flights, friction top.
Application:	Proofing belt for raw dough. The inverted diamond pattern ensures easy product release. Runs on 14 mm nose bar
Standard widths:	Increments of 20 mm, e.g. 100, 120 mm etc

Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch diameter	C= Inside-diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
10	50	42	33	8	20	3/4		
19	84	76	67	12	20/25/30/40		25/40	1½
24	104	96	87	12	20/25/30/40		25/40	1½
28	120	112	103	12	20/25/30/40		25/40	1½

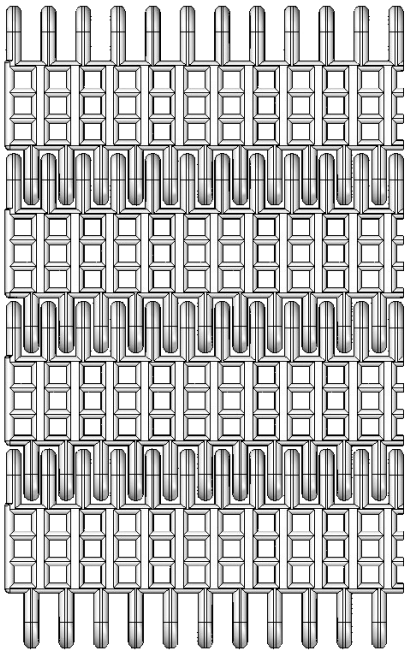


3. Belt S. 25

Pitch 25 mm.



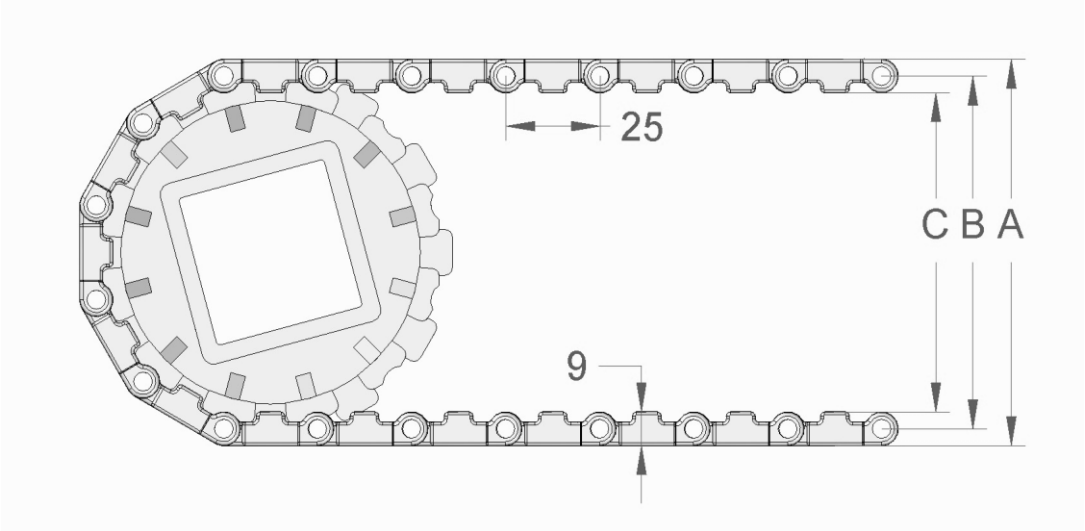
S. 25-100



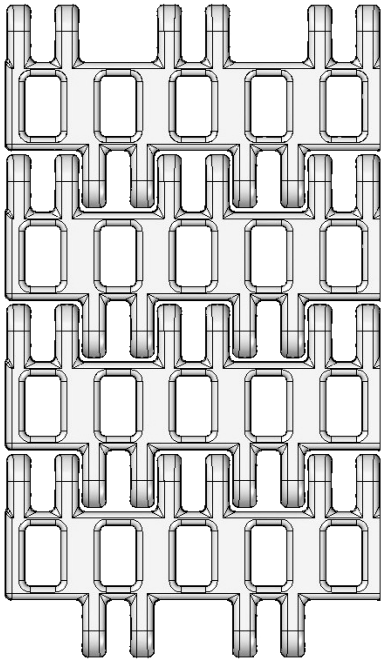
Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Polyethylene (PE)	540	4,5
Polypropylene (PP)	740	4,5
Polyacetal (POM)	1250	6

Belt surface:	Open belt with a smooth surface.
Open area:	20 %. Biggest opening 3 x 3 mm.
Strength:	Ideal choice for light transportation.
Material/colour:	PE/nat, PP/white and grey. POM/blue
Cleanability:	Good.
Accessories:	5, 25 and 50 mm flights, 25 and 50 mm side guards. 25 and 50 mm friction flights.
Application:	Catering, dairy, snacks and seafood industry.
Standard widths:	Increments of 6 mm, e.g. 100, 106 mm etc

Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch diameter	C= Inside diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
6	59	50	41	40	20			
12	106	97	88	40	25/30/40		40	1½
20	172	161	152	40	25/30/40		40/60	1½



S. 25-400



Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Polyethylene (PE)	630	5
Polypropylene (PP)	1060	5
Polyacetal (POM)	1500	7

Belt surface:	Open belt with a smooth surface.
Open area:	29 %. Biggest opening 6 x 10 mm.
Strength:	Ideal for medium weight transportation..
Material/colour:	PE/nat, PP/white and grey. POM/blue
Cleanability:	Excellent. FSIS
Accessories:	3, 25 and 50 mm flights. 25 and 50 mm side guards, friction top.
Application:	Seafood, red meat, vegetables, bakery and food industry in general. Even cooling/freezing and washing.
Standard widths:	Increments of 25 mm, e.g. 100, 125 mm etc
Non standard widths:	Increments of 12,5 mm, e.g. 100, 112,5 mm etc

Note: Non standard widths will have cut edge on one side.

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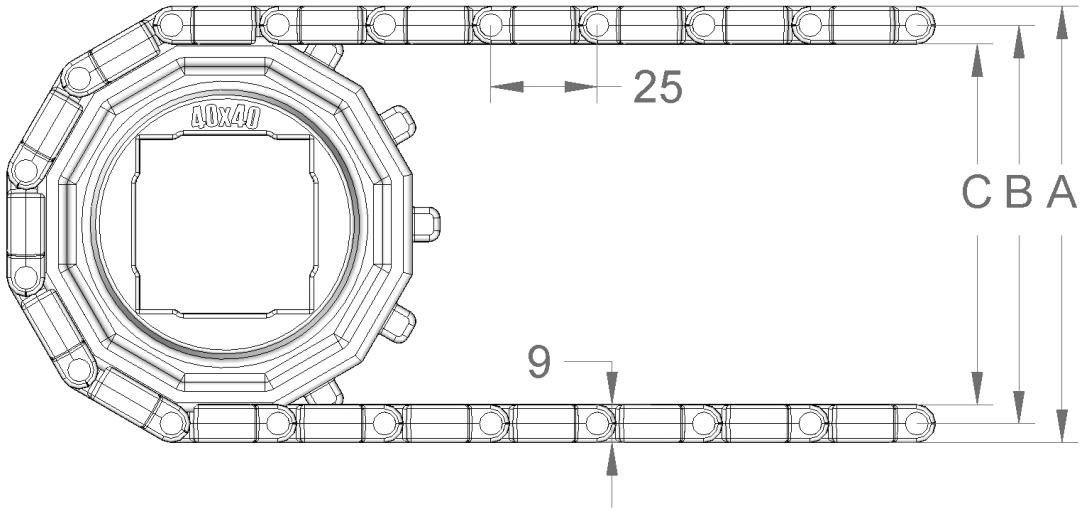
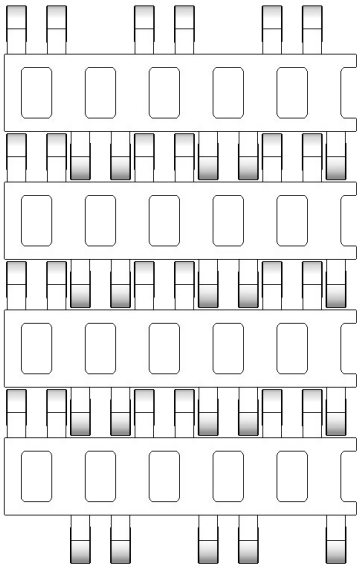
Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch diameter	C= Inside diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
6	54	45	36	20	20			
8	70	61	52	20	20/25	1	25	
12	104	95	86	20	20/25/30/40	1/1¼	25/40	1½
20	169	160	151	35	25/30/40	1/1¼	25/40/60	1½/2½



S. 25-400F/2 component



Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Copolymer:	900	7

Belt surface:	Friction surface.
Open area:	29 %. Biggest opening 6 x 10 mm.
Strength:	Ideal for medium weight transportation.
Colour:	nat/white.
Cleanability:	Excellent. FSIS
Accessories:	3, 25 and 50 mm flights, 25 and 50 mm side guards
Application:	Transport of packed goods on a slightly inclined conveyor.
Standard widths:	Increments of 25 mm, e.g. 100, 125 mm etc
Non standard widths:	Increments of 12,5 mm, e.g. 100, 112,5 mm etc

Note: Non standard widths will have cut edge on one side.

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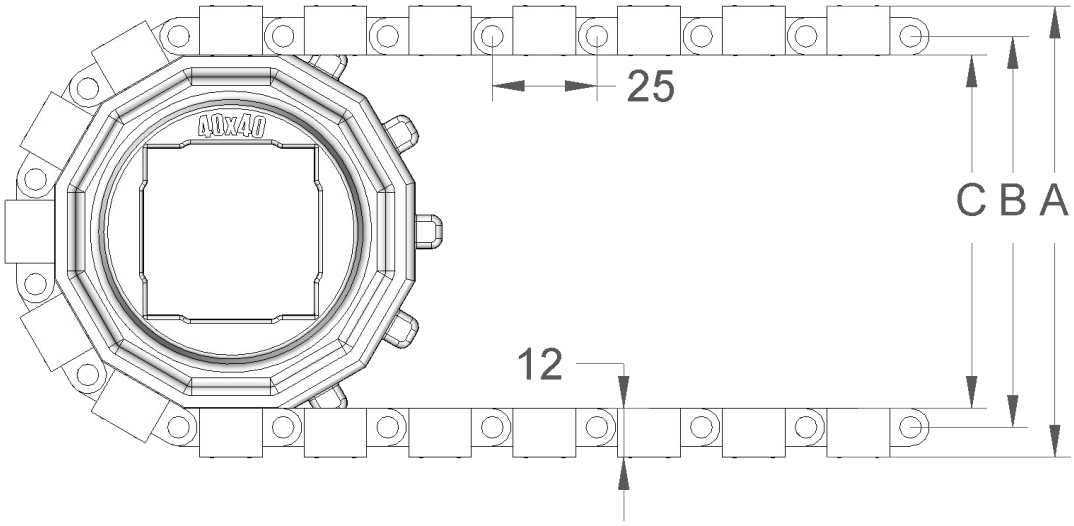
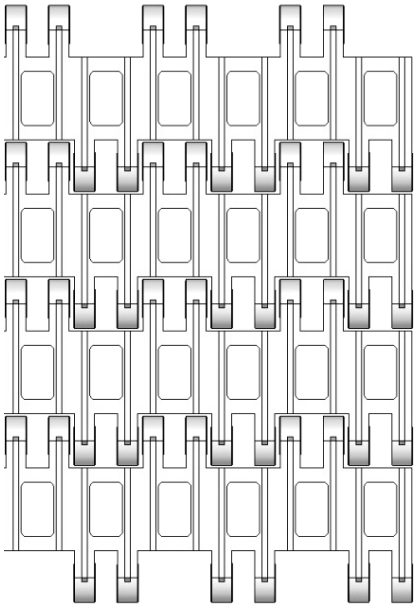
Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch diameter	C= Inside diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
6	58	45	36	20	20			
8	74	61	52	20	20/25	1	25	
12	108	95	86	20	20/25/30/40	1/1¼	25/40	1½
20	173	160	151	35	25/30/40	1/1¼	25/40/60	1½/2½



S. 25-402



Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Polyethylene (PE)	700	6
Polypropylene (PP)	1120	6
Polyacetal (POM)	1500	7,5

Belt surface:	Raised ribs, 5 mm.
Open area:	29 %. Biggest opening 6 x 10 mm.
Strength:	Ideal for medium weight transportation.
Material/colour:	PE/nat, PP/white and grey. POM/blue.
Cleanability:	Excellent. FSIS
Accessories:	3, 25 and 50 mm flights. 25 and 50 mm side guards, friction top.
Application:	Transport of products which demand a low contact surface.
Standard widths:	Increments of 25 mm, e.g. 100, 125 mm etc
Non standard widths:	Increments of 12,5 mm, e.g. 100, 112,5 mm etc

Note: Non standard widths will have cut edge on one side.

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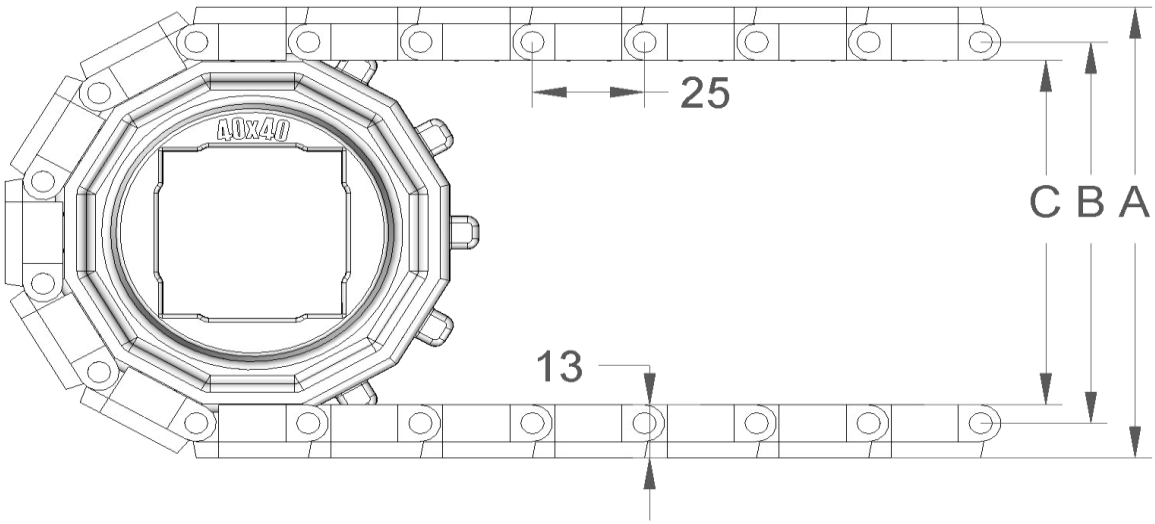
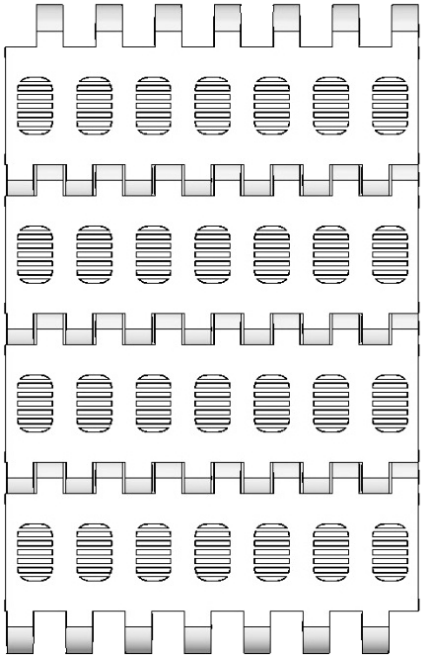
Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch diameter	C= Inside diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
6	58	45	36	20	20			
8	75	61	52	20	20/25	1	25	
12	109	95	86	20	20/25/30/40	1/1¼	25/40	1½
20	174	160	151	35	25/30/40	1/1¼	25/40/60	1½/2½



S. 25-406



Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Polyethylene (PE)	900	6
Polypropylene (PP)	1250	6
Polyacetal (POM)	2400	8

Belt surface:	Perforated flat top.
Open area:	13 %. Biggest opening 1 x 6 mm.
Strength:	Ideal for medium weight transportation.
Material/colour:	PE/nat, PP/white and grey. POM/blue
Cleanability:	Good
Accessories:	3, 25 and 50 mm flights, 25 and 50 mm side guards. 25 and 50 mm friction flights.
Application:	Dairy, vegetables, poultry, snacks, sweet goods and other industries that handle products requiring drainage and very small openings.
Standard widths:	Increments of 10 mm, e.g. 100, 110 mm etc

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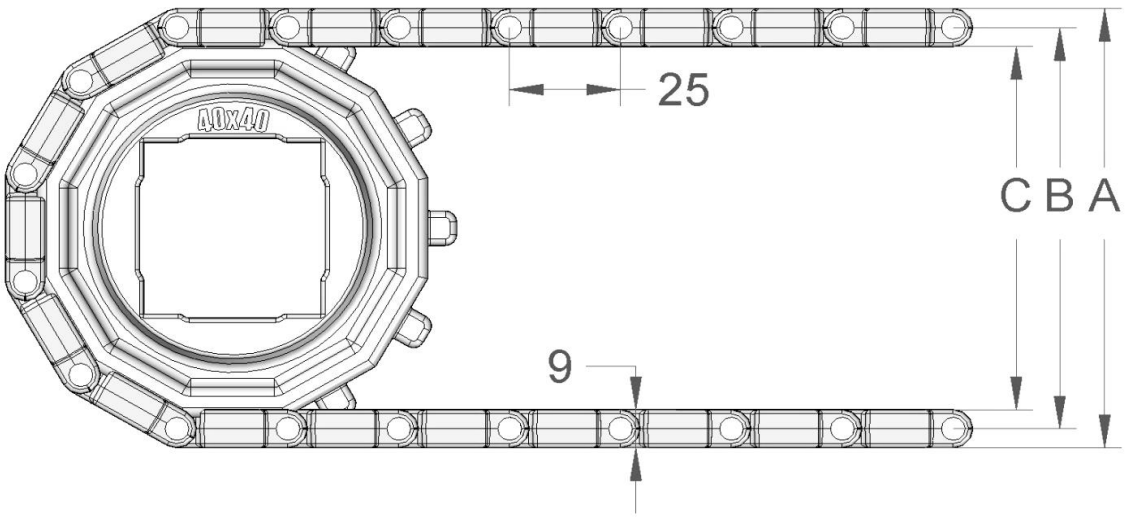
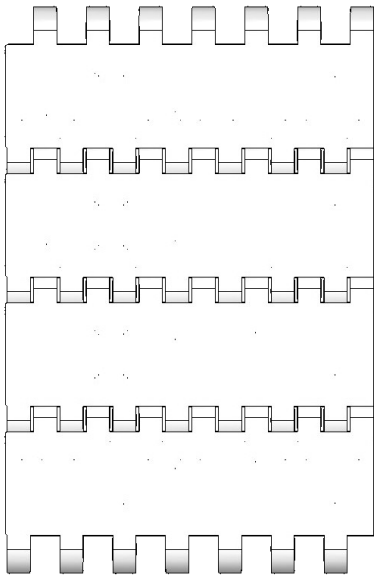
Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch diameter	C= Inside diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
6	54	45	36	20	20			
8	70	61	52	20	20/25	1	25	
12	104	95	86	20	20/25/30/40	1/1¼	25/40	1½
20	169	160	151	35	25/30/40	1/1¼	25/40/60	1½/2½



S. 25-408



Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Polyethylene (PE)	900	6
Polypropylene (PP)	1250	6
Polyacetal (POM)	2400	8,5

Belt surface: Flat top.
Open area: Closed.
Strength: Strongest belt in the S.25 series. Ideal for medium weight transportation.
Material/colour: PE/nat, PP/white and grey. POM/blue
Cleanability: Good. FSIS
Accessories: 3, 25 and 50 mm flights, 25 and 50 mm side guards. 25 and 50 mm friction flights.
Application: Transport of small products such as machine components. Vulcanising belt for the rubber industry.
Standard widths: Increments of 10 mm, e.g. 100, 110 mm etc

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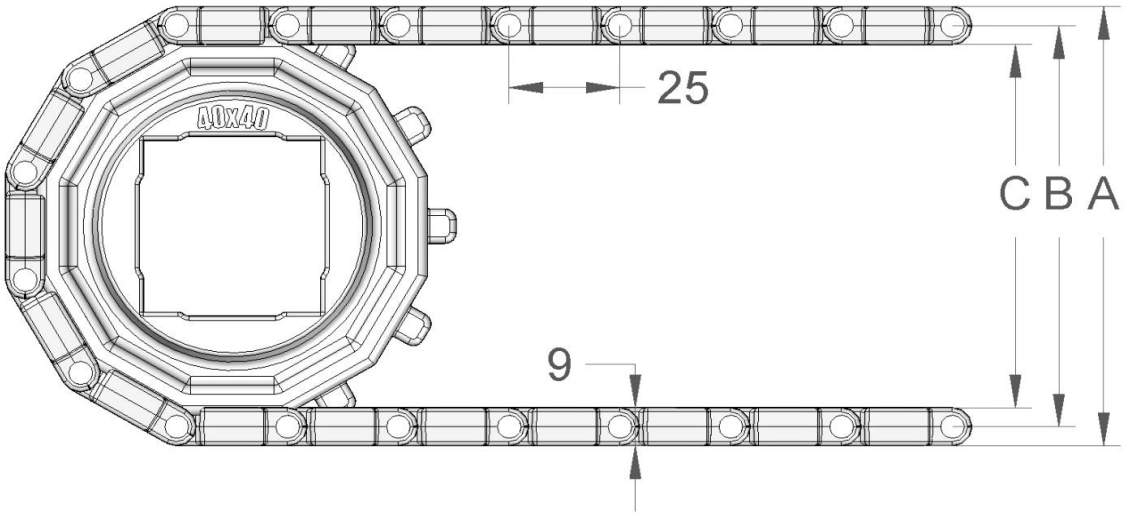
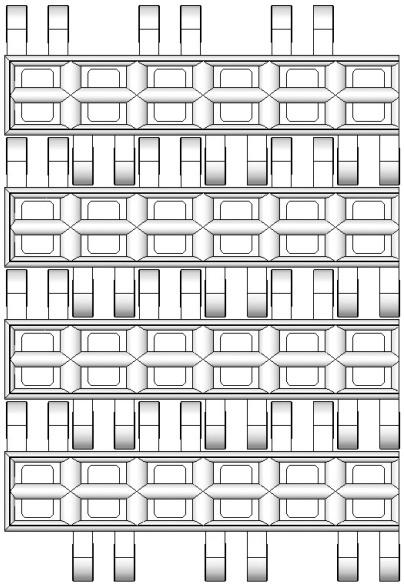
Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch diameter	C= Inside diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
6	54	45	36	20	20			
8	70	61	52	20	20/25	1	25	
12	104	95	86	20	20/25/30/40	1/1¼	25/40	1½
20	169	160	151	35	25/30/40	1/1¼	25/40/60	1½/2½



S. 25-411

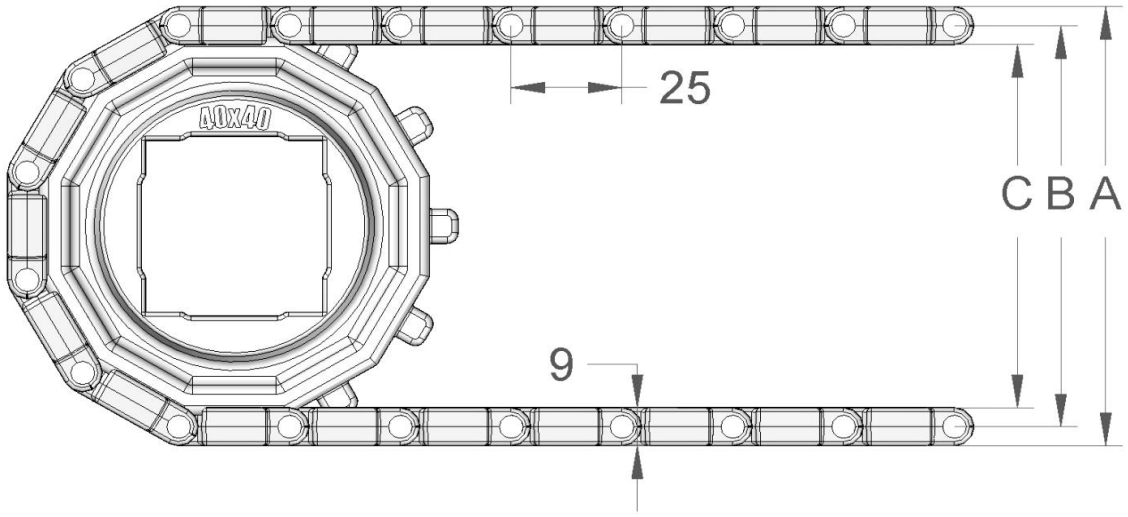


Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Polyethylene (PE)	630	6
Polypropylene (PP)	1060	6
Polyacetal (POM)	1620	7,5

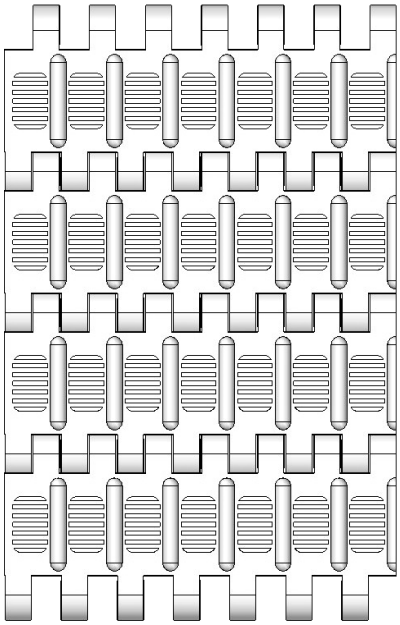
Belt surface:	Open net-like belt with a curved surface.
Open area:	26 %. Biggest opening 3 x 6 mm.
Strength:	Ideal for medium weight transportation.
Material/colour:	PE/nat, PP/white and grey. POM/blue
Cleanability:	Excellent. FSIS
Accessories:	3, 25 and 50 mm flights, 25 and 50 mm side guards, friction top.
Application:	Fish, meat, vegetables, frozen food etc. Suitable for blanching belts and boiling of noodles.
Standard widths:	Increments of 25 mm, e.g. 100, 125 mm etc
Non standard widths:	Increments of 12,5 mm, e.g. 100, 112,5 mm etc

Note: Non standard widths will have cut edge on one side.

Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch diameter	C= Inside diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
6	54	45	36	20	20			
8	70	61	52	20	20/25	1	25	
12	104	95	86	20	20/25/30/40	1/1¼	25/40	1½/2½
20	169	160	151	35	25/30/40	1/1¼	25/40/60	1½



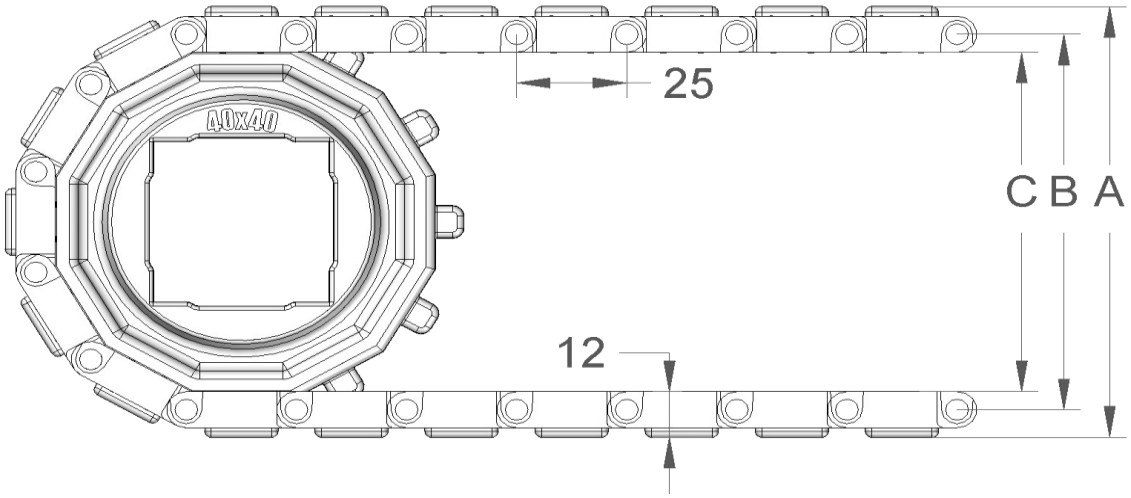
S. 25-412



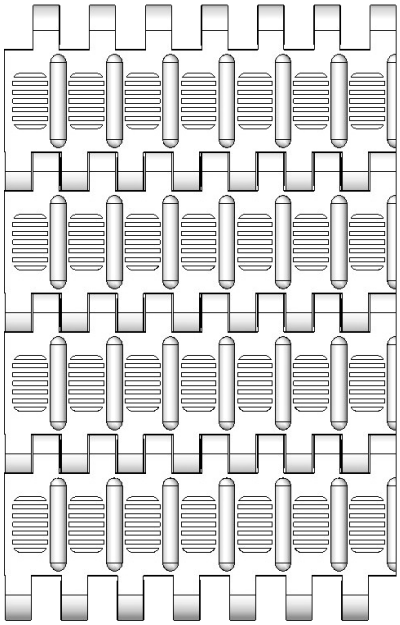
Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Polyethylene (PE)	900	6
Polypropylene (PP)	1250	6
Polyacetal (POM)	2400	9

Belt surface:	Open net-like belt with 2,5 mm flights.
Open area:	13 %. Biggest opening 1 x 6 mm.
Strength:	Ideal for medium weight transportation.
Material/colour:	PE/nat, PP/white and grey. POM/blue
Cleanability:	Good. FSIS
Accessories:	3, 25 and 50 mm flights, 25 and 50 mm side guards.
Application:	Fish, meat, vegetables etc. Suitable for blanching belts and boiling of noodles.
Standard widths:	Increments of 10 mm, e.g. 100, 110 mm etc

Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch diameter	C= Inside diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
6	57	45	36	20	20			
8	75	61	52	20	20/25	1	25	
12	108	95	86	20	20/25/30/40	1/1¼	25/40	1½/2½
20	173	160	151	35	25/30/40	1/1¼	25/40/60	1½



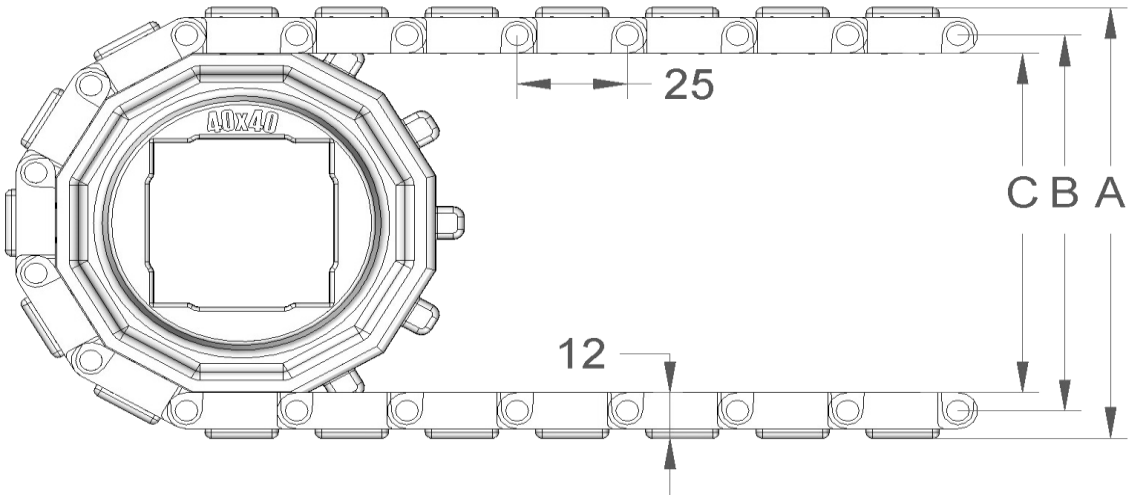
S. 25-413



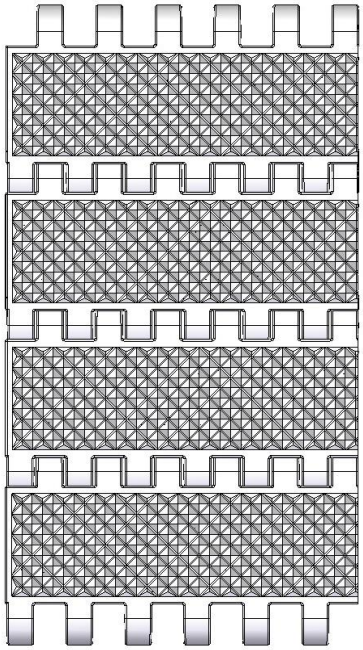
Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Polyethylene (PE)	900	6
Polypropylene (PP)	1250	6
Polyacetal (POM)	2400	9

Belt surface:	Open net-like belt with 1,5 mm flights.
Open area:	13 %. Biggest opening 1 x 6 mm.
Strength:	Ideal for medium weight transportation.
Material/colour:	PE/nat, PP/white and grey. POM/blue
Cleanability:	Good. FSIS
Accessories:	3, 25 and 50 mm flights, 25 and 50 mm side guards.
Application:	Fish, meat, vegetables etc. Suitable for blanching belts and boiling of noodles.
Standard widths:	Increments of 10 mm, e.g. 100, 110 mm etc

Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch diameter	C= Inside diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
6	57	45	36	20	20			
8	75	61	52	20	20/25	1	25	
12	108	95	86	20	20/25/30/40	1/1¼	25/40	1½/2½
20	173	160	151	35	25/30/40	1/1¼	25/40/60	1½



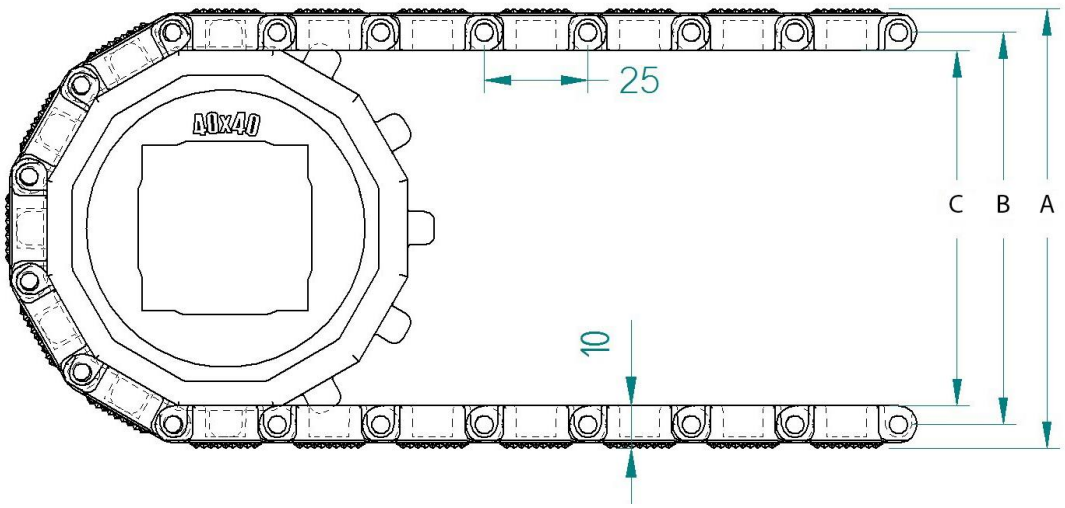
S. 25-418



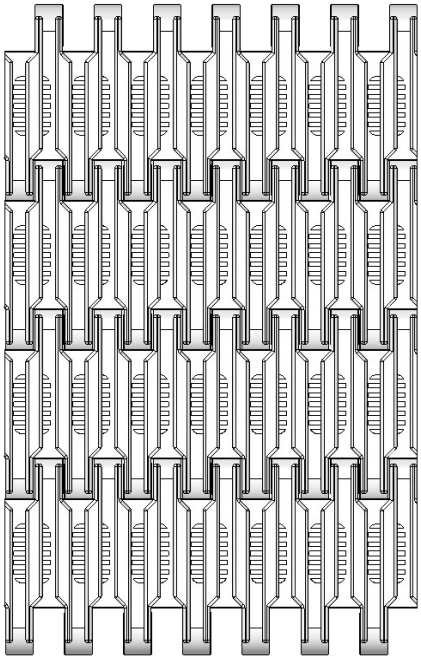
Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Polyethylene (PE)	900	6
Polypropylene (PP)	1250	6
Polyacetal (POM)	2400	8,5

Belt surface:	Rough top
Open area:	Closed.
Strength:	Ideal choice for medium-duty transportation.
Material/colour:	PP/white, POM/black
Cleanability:	Good
Accessories:	25 and 50 mm flights. 25 and 50 mm side guards. 25 and 50 mm friction flights.
Application:	Pallets,doors, panels ect. The rough top ensures a higher friction as well as extra wear surface.
Standard widths:	Increments of 10 mm, e.g. 100, 110 mm etc

Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch diameter	C= Inside-diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
6	64	52	43	20	20			
8	78	66	57	20	20/25	1	25	
12	110	98	89	20	20/25/30/40	1/1¼	25/40	1½
20	173	161	152	35	25/30/40	1/1¼	25/40/60	1½/2½



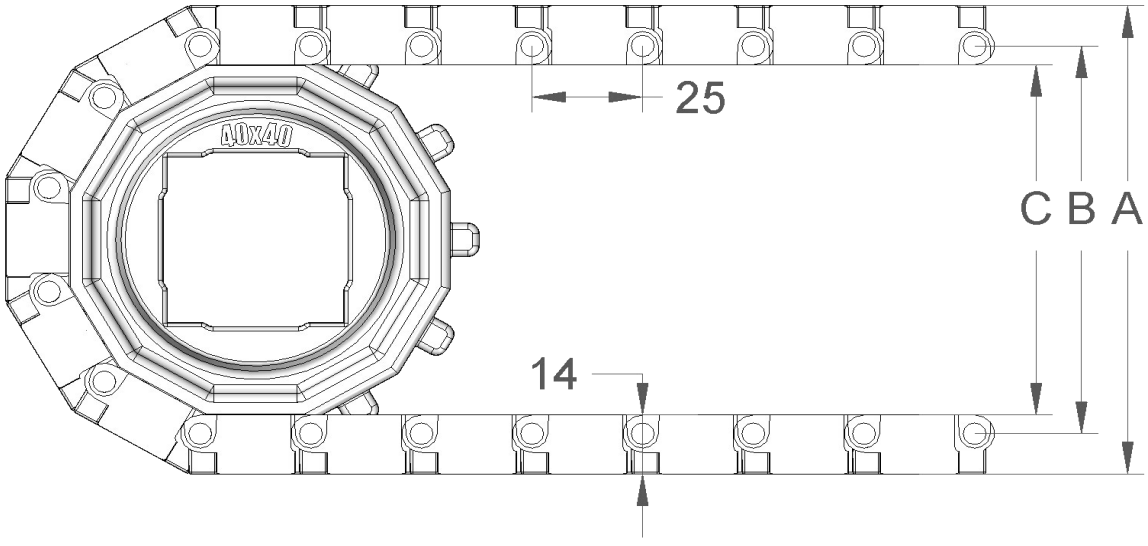
S. 25-420



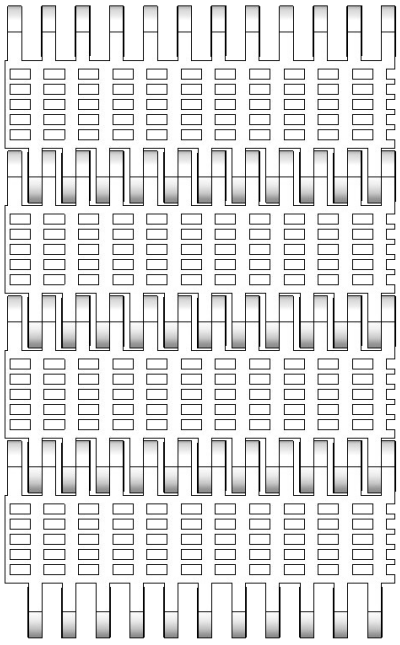
Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Polyethylene (PE)	900	8
Polypropylene (PP)	1200	8
Polyacetal (POM)	2400	11

Belt surface:	Raised ribs – drained – for the use of finger transfer plates.
Open area:	14 %. Biggest opening 10 x 2 mm.
Strength:	Ideal for medium weight transportation.
Material/colour:	PE/nat, PP/white and grey. POM/blue.
Cleanability:	Excellent. FSIS
Accessories:	Finger transfer plates.
Application:	Transport of small products, such as bottles, glass and machine components.
Standard widths:	Increments of 10 mm, e.g. 100, 110 mm etc

Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch diameter	C= Inside diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
6	64	45	36	20	20			
8	80	61	52	20	20/25	1	25	
12	114	95	86	20	20/25/30/40	1/1¼	25/40	1½/2½
20	179	160	151	35	25/30/40	1/1¼	25/40/60	1½



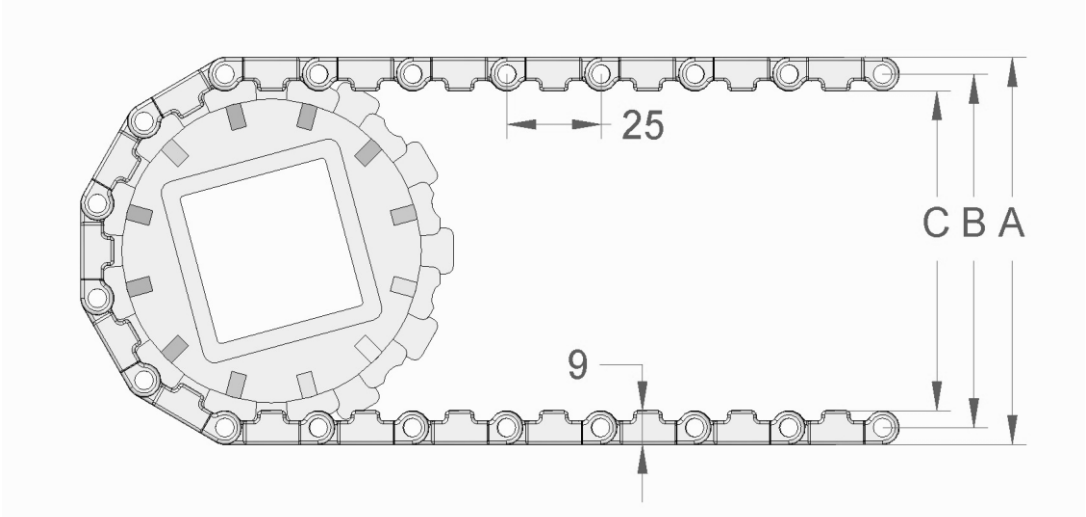
S. 25-600



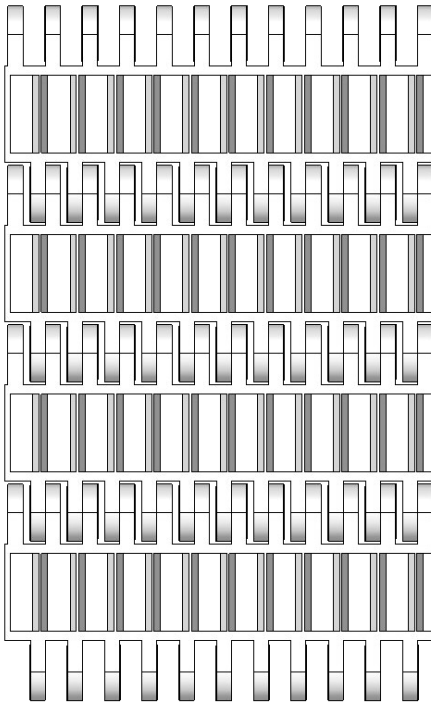
Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Polyethylene (PE)	540	4
Polypropylene (PP)	740	4
Polyacetal (POM)	1250	6

Belt surface:	Perforated flat top.
Open area:	16 %. Biggest opening 1,5 x 3 mm.
Strength:	An ideal choice for light transportation.
Material/colour:	PE/nat, PP/white and grey. POM/blue.
Cleanability:	Good. FSIS
Accessories:	5, 25 and 50 mm flights, 25 and 50 mm side guards. 25 and 50 mm friction flights.
Application:	Bakery (raw dough), poultry, sweets and other industries.
Standard widths:	Increments of 6 mm, e.g. 100, 106 mm etc

Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch diameter	C= Inside diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
6	59	50	41	40	20			
12	106	97	88	40	25/30/40		40	1½
20	172	161	152	40	25/30/40		40/60	1½/



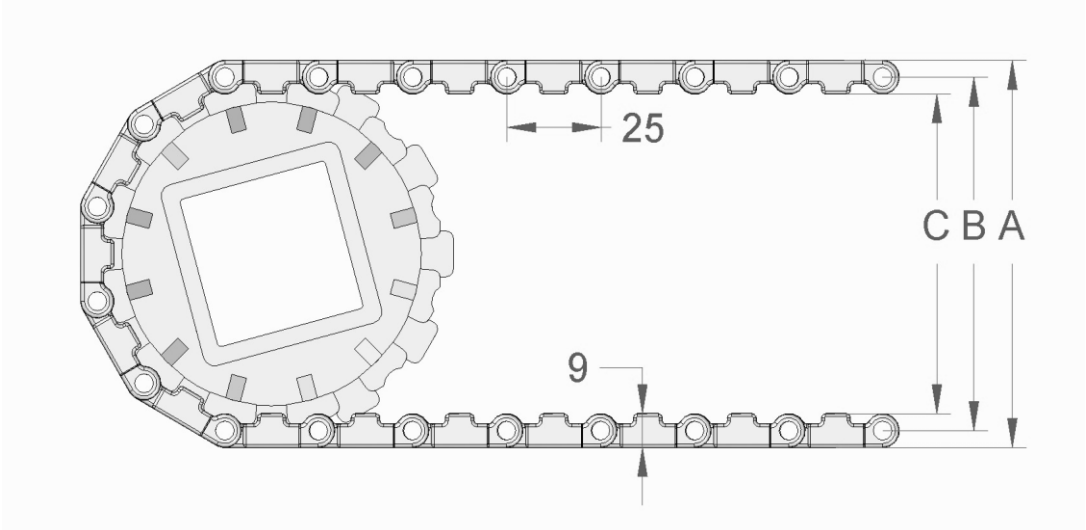
S. 25-700



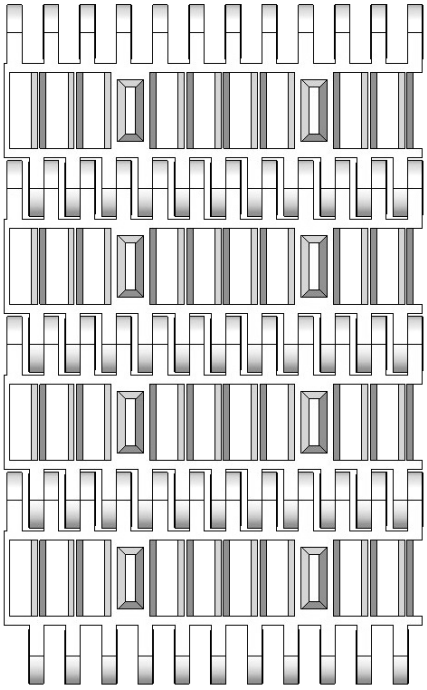
Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Polyethylene (PE)	540	4
Polypropylene (PP)	740	4
Polyacetal (POM)	1250	6

Belt surface:	Open belt with a smooth surface..
Open area:	27 %. Biggest opening 3 x 12 mm.
Strength:	An ideal choice for light transportation.
Material/colour:	PE/nat, PP/white and grey. POM/blue
Cleanability:	Good. FSIS
Accessories:	5, 25 and 50 mm flights, 25 and 50 mm side guards.
Application:	Vegetables, bakery, seafood, poultry and other industries. Even as cooling/freezing belt.
Standard widths:	Increments of 6 mm, e.g. 100, 106 mm etc

Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch diameter	C= Inside diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
6	59	50	41	40	20			
12	106	97	88	40	25/30/40		40	1½
20	170	161	152	40	25/30/40		40/60	1½



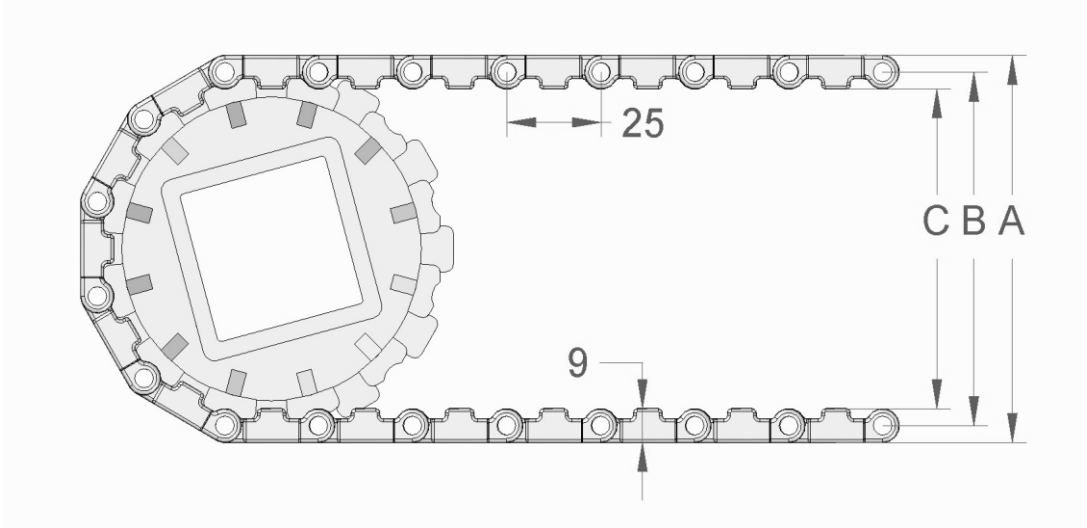
S. 25-702



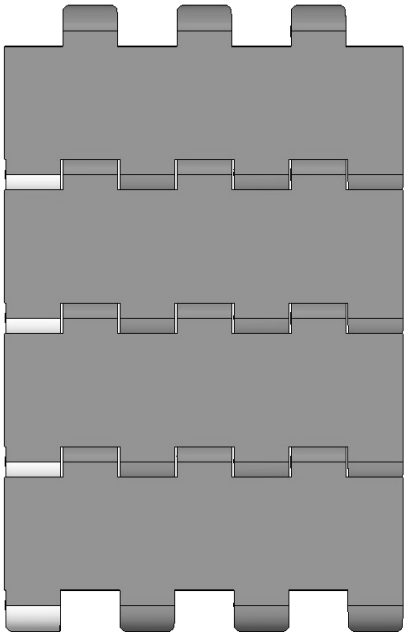
Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Polyethylene (PE)	540	4
Polypropylene (PP)	740	4
Polyacetal (POM)	1250	6

Belt surface:	Open net-like belt with 2,5 mm flights.
Open area:	22 %. Biggest opening 3 x 12 mm.
Strength:	An ideal choice for light transportation.
Material/colour:	PE/nat, PP/white and grey. POM/blue.
Cleanability:	Good. FSIS
Accessories:	5, 25 and 50 mm flights, 25 and 50 mm side guards. Standard modules can be supplied in a special high-friction material.
Application:	Products requiring drainage and demanding a low contact surface, such as lacquering of furniture.
Standard widths:	Increments of 6 mm, e.g. 100, 106 mm etc

Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch diameter	C= Inside diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
6	64	50	41	40	20			
12	111	97	88	40	25/30/40		40	1½
20	175	161	152	40	25/30/40		40/60	1½



S. 25-800



Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Polyethylene (PE)	550	5
Polypropylene (PP)	650	5
Polyacetal (POM)	1050	7,5

Belt surface:	Flat top.
Open area:	Closed.
Strength:	An ideal choice for light transportation.
Material/colour:	PE/nat, PP/white and grey. POM/blue.
Cleanability:	Excellent. FSIS.
Accessories:	3, 25 and 50 mm flights. 25 and 50 mm side guards, friction top. 50 and 75 mm scoop flights
Application:	Red meat, vegetables, seafood, fruit, snacks and pastry.
Standard widths:	Increments of 20 mm, e.g. 100, 120 mm etc

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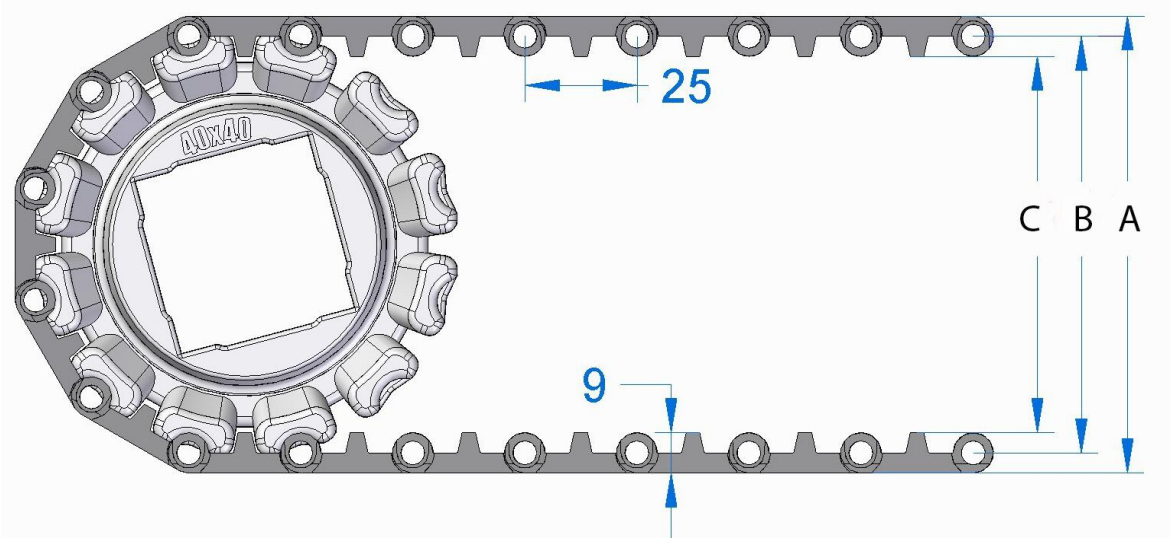
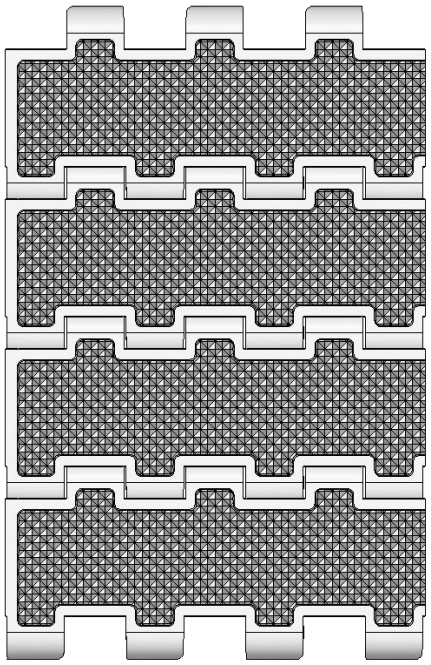
Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch diameter	C= Inside diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
6	59	50	41	20	20			
12	106	97	88	20	20/25/30/40	¾/1/1¼	40	1½
20	170	161	152	35	25/30/40	¾/1/1¼	40/60	1½/2½



S. 25-800 F/2 component



Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Copolymer	600	7

Belt surface:	Closed belt with a 3mm friction surface
Open area:	Closed.
Strength:	An ideal choice for light transportation.
Colour:	Nat/white.
Cleanability:	Good.
Accessories:	25 and 50 mm flights. 25 and 50 mm side guards. 50 and 75 mm scoop flights.
Application:	Transport of goods on a slightly inclined conveyor.
Standard widths:	Increments of 20 mm, e.g. 100, 120 mm etc

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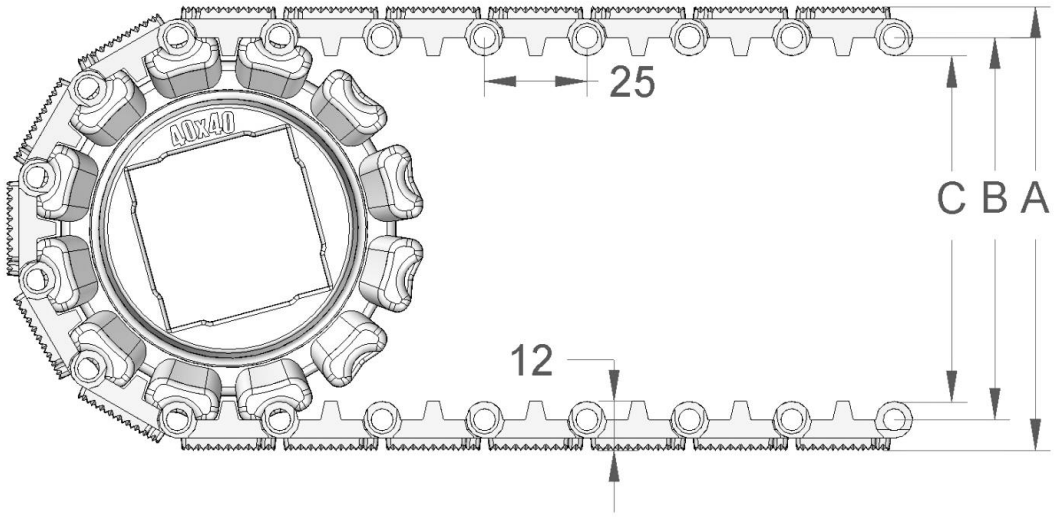
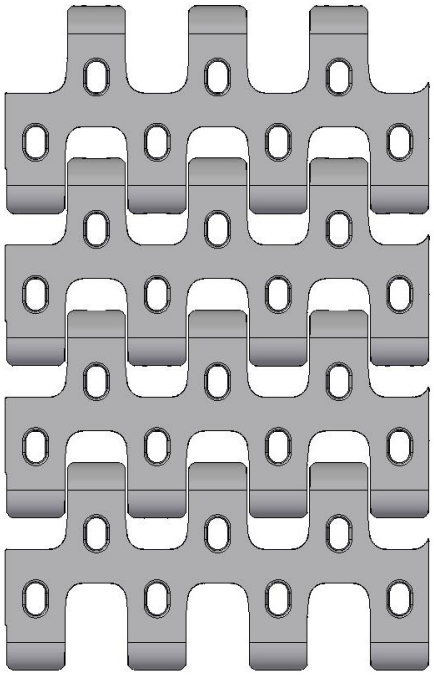
Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch diameter	C= Inside diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
6	62	50	41	20	20			
12	109	97	88	20	20/25/30/40	¾/1/1¼	40	1½
20	173	161	152	35	25/30/40	¾/1/1¼	40/60	1½/2½



S. 25-801



Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Polyethylene (PE)	550	5
Polypropylene (PP)	650	5
Polyacetal (POM)	1050	7,5

Belt surface:	Open belt with smooth surface.
Open area:	41%. Biggest opening 10 x 5 mm.
Strength:	An ideal choice for light transportation.
Material/colour:	PE/nat, PP/white and grey. POM/blue.
Cleanability:	Excellent. FSIS.
Accessories:	3, 25 and 50 mm flights. 25 and 50 mm side guards, friction top. 50 and 75 mm scoop flights.
Application:	Red meat, vegetables, seafood, fruit, snacks and pastry.
Standard widths:	Increments of 20 mm, e.g. 100, 120 mm etc.

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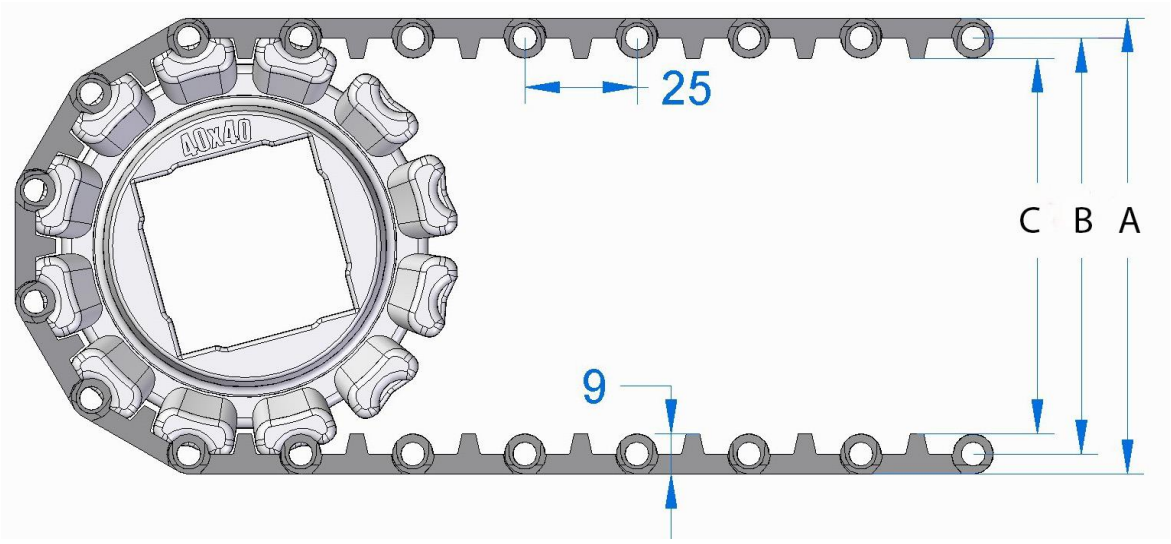
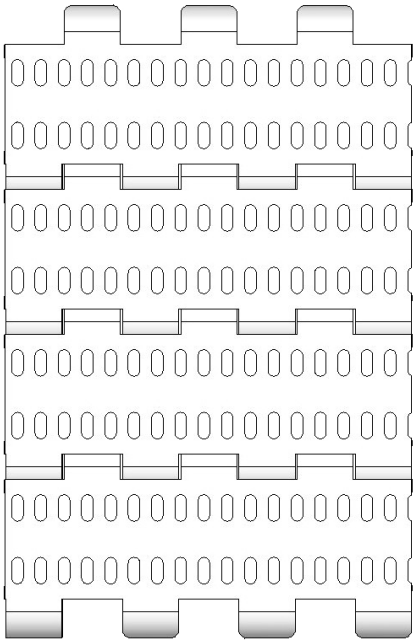
Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch diameter	C= Inside diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
6	59	50	41	20	20			
12	106	97	88	20	20/25/30/40	¾/1/1¼	40	1½
20	170	161	152	35	25/30/40	¾/1/1¼	40/60	1½/2½



S. 25-806



Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Polyethylene (PE)	550	5,5
Polypropylene (PP)	650	5,5
Polyacetal (POM)	1050	8

Belt surface:	Perforated flat top.
Open area:	17 %. Biggest opening 2 x 5 mm.
Strength:	An ideal choice for light transportation.
Material/colour:	PE/nat, PP/white and grey. POM/blue.
Cleanability:	Excellent. FSIS.
Accessories:	3, 25 and 50 mm flights, 25 and 50 mm side guards, friction top. 50 and 75 mm scoop flights.
Application:	Seafood, dairy, vegetables, poultry, snacks, sweet goods and other industries that handle products requiring drainage and small openings.
Standard widths:	Increments of 20 mm, e.g. 100, 120 mm etc

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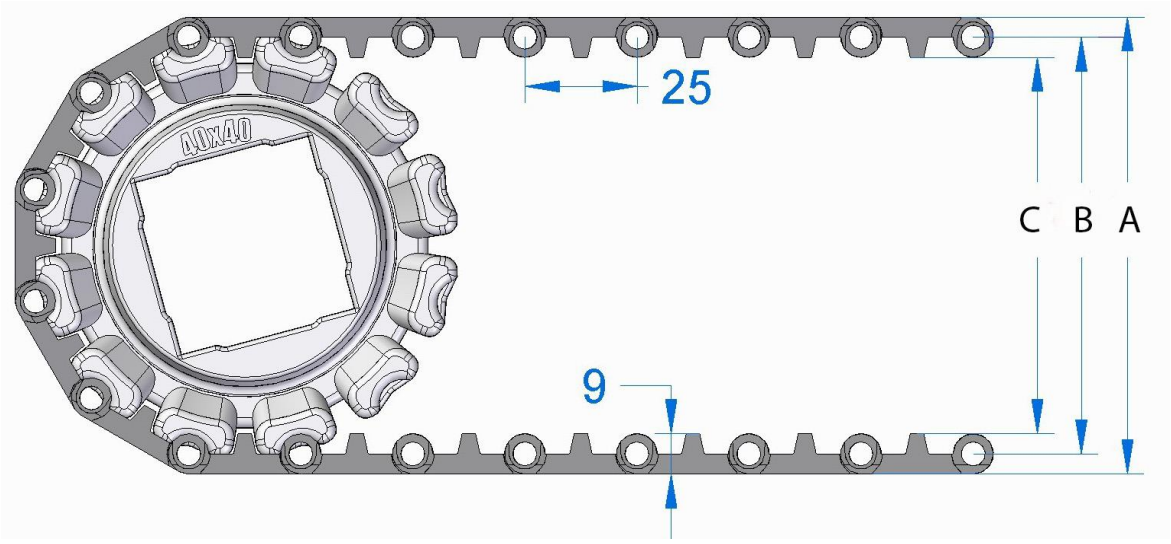
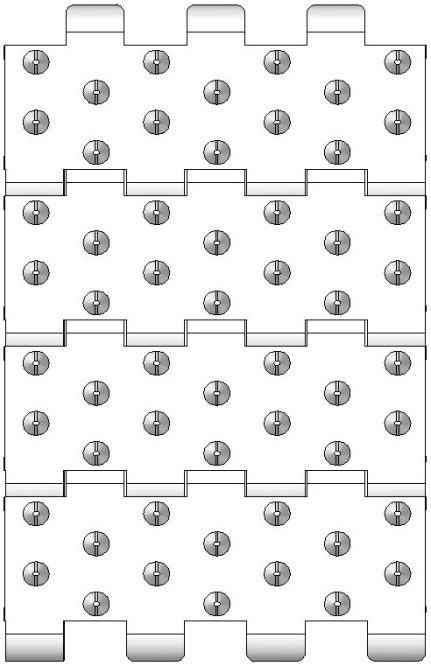
Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch diameter	C= Inside diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
6	59	50	41	20	20			
12	106	97	88	20	20/25/30/40	¾/1/1¼	40	1½
20	170	161	152	35	25/30/40	¾/1/1¼	40/60	1½/2½



S. 25-830



Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Polyethylene (PE)	550	5,5
Polypropylene (PP)	650	5,5
Polyacetal (POM)	1050	8

Belt surface:	Structure top with 3 mm cones.
Open area:	Closed.
Strength:	An ideal choice for light transportation.
Material/colour:	PE/nat, PP/white and grey. POM/blue.
Cleanability:	Excellent. FSIS.
Accessories:	25 and 50 mm flights, 25 and 50 mm side guards. Modules can be supplied with a moulded indent of 40 mm. 50 and 75 mm scoop flights.
Application:	Seafood, red meat, vegetables etc.
Standard widths:	Increments of 20 mm, e.g. 100, 120 mm etc

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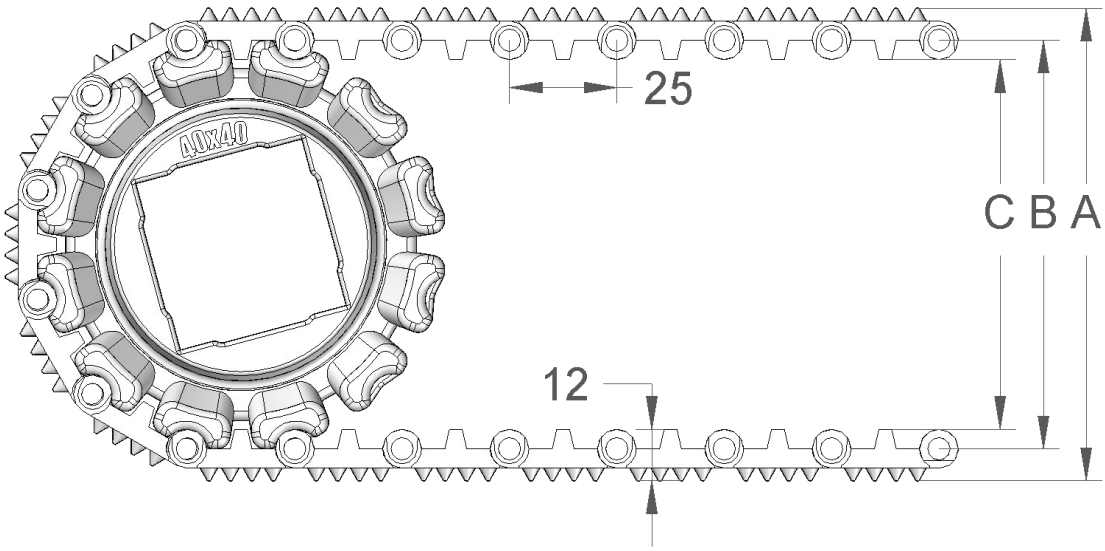
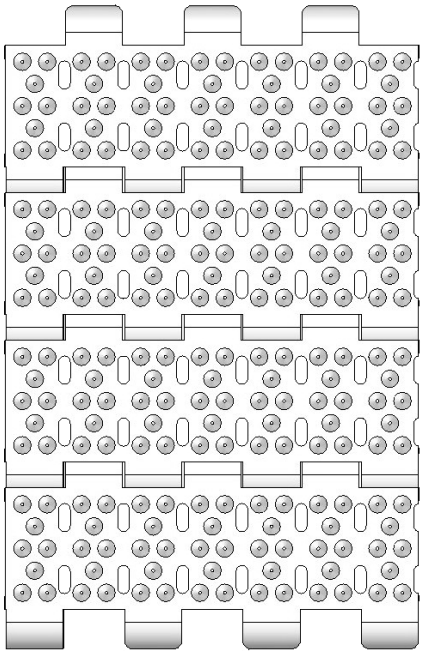
Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch diameter	C= Inside diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
6	65	50	41	20	20			
12	112	97	88	20	20/25/30/40	¾/1/1¼	40	1½
20	176	161	152	35	25/30/40	¾/1/1¼	40/60	1½/2½



S. 25-836



Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Polyethylene (PE)	550	5,5
Polypropylene (PP)	650	5,5
Polyacetal (POM)	1050	8

Belt surface:	Structure top with 3 mm cones.
Open area:	7 %. Biggest opening 2 x 5 mm.
Strength:	An ideal choice for light transportation.
Material/colour:	PE/nat, PP/white and grey. POM/blue.
Cleanability:	Excellent. FSIS.
Accessories:	25 and 50 mm flights, 25 and 50 mm side guards. Modules can be supplied with a moulded indent of 40 mm. 50 and 75 mm scoop flights.
Application:	Seafood, red meat, vegetables etc.
Standard widths:	Increments of 20 mm, e.g. 100, 120 mm etc

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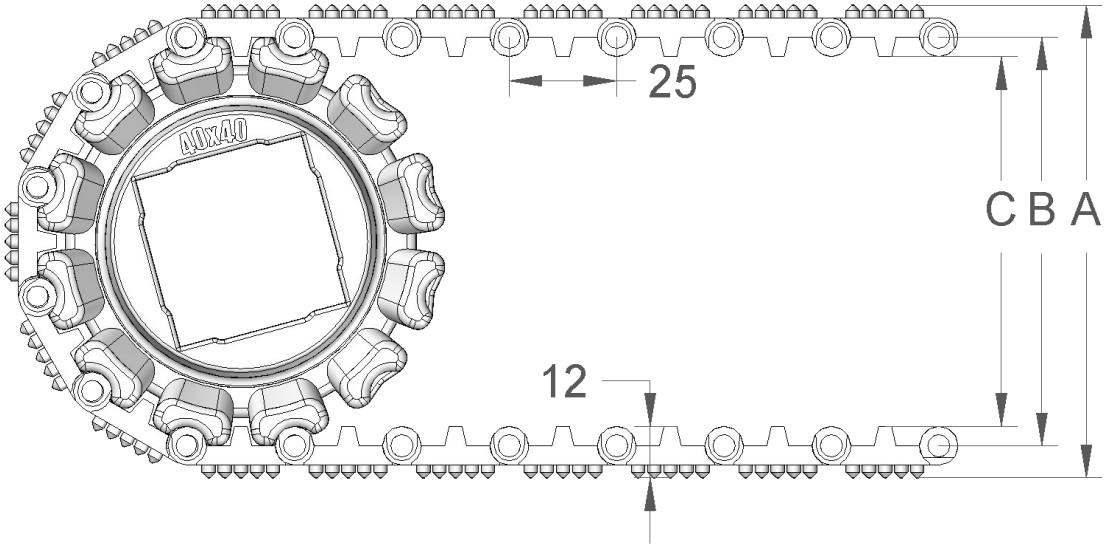
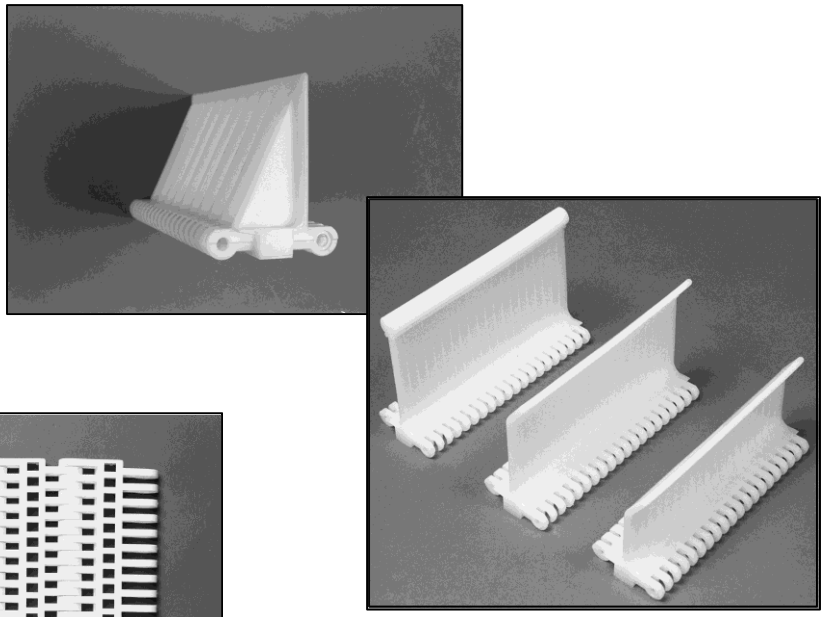
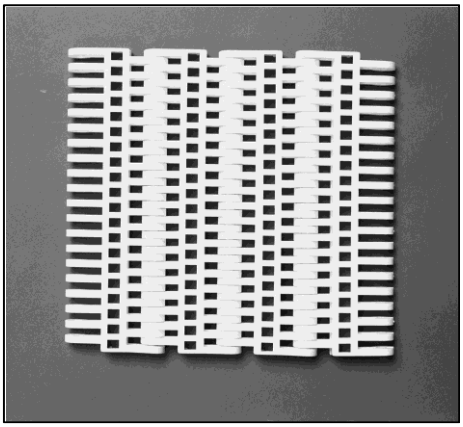
Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch diameter	C= Inside diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
6	65	50	41	20	20			
12	112	97	88	20	20/25/30/40	¾/1/1¼	40	1½
20	176	161	152	35	25/30/40	¾/1/1¼	40/60	1½/2½



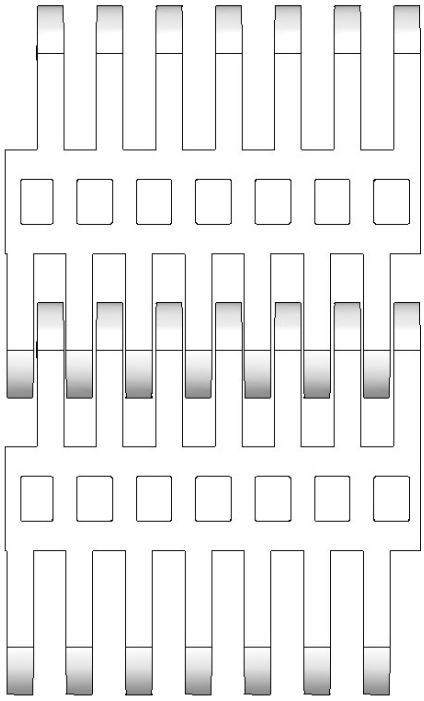
4. Belt S. 50

Pitch 50 mm.





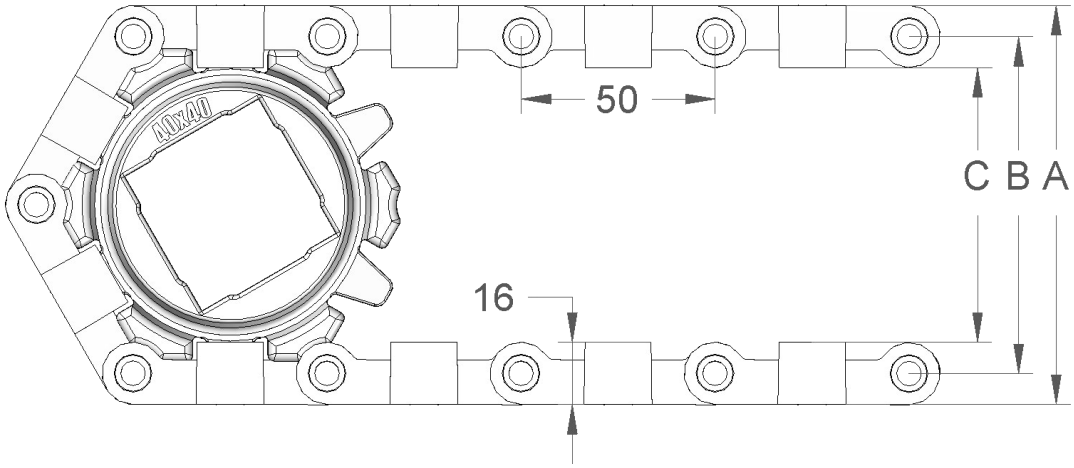
S. 50-100



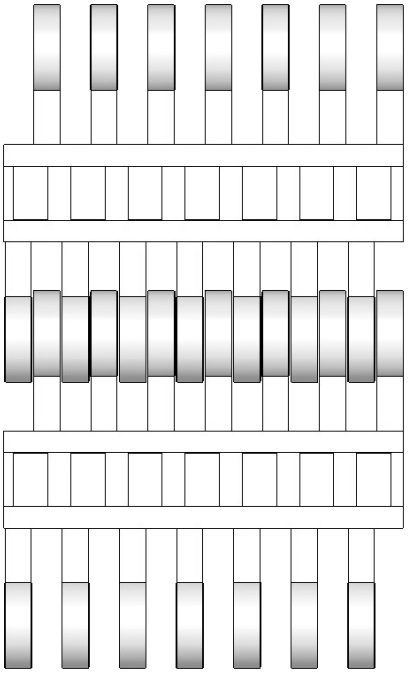
Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Polyethylene (PE)	1840	8
Polypropylene (PP)	2795	8
Polyacetal (POM)	4200	12

Belt surface:	Open belt with a smooth surface.
Open area:	27 %. Biggest opening 5 x 9 mm.
Strength:	The right belt for heavy applications.
Material/colour:	PE/nat and blue, PP/white and grey. POM/blue.
Cleanability:	Good. FSIS
Accessories:	25, 50, 75 and 100 mm flights. Scoop and bent flights. 75 and 150 mm supported flights. 50, 75, 100 and 150 mm side guards. 50 mm comb flights, friction top. Hold-down. Flights fitted with a round top.
Application:	Seafood, wood, bakery, meat, vegetables, poultry and heavy duty transportation in general.
Standard widths:	Increments of 10 mm, e.g. 100, 110 mm etc

Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch-diameter	C= Inside-diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
6	105	89	73	20	20/25/30/40	¾/1/1¼	25 /40	1½
8	138	122	106	35	25/30/40	1/1¼	25/40	1½
10	172	156	140	35	25/30/40	1/1¼	25/40/60	1½/2½
12	205	189	173	35	25/30/40/50/60	1/1¼	25/40/60	1½/2½
16	270	254	238	40	60/80		40/50/60/65/80	



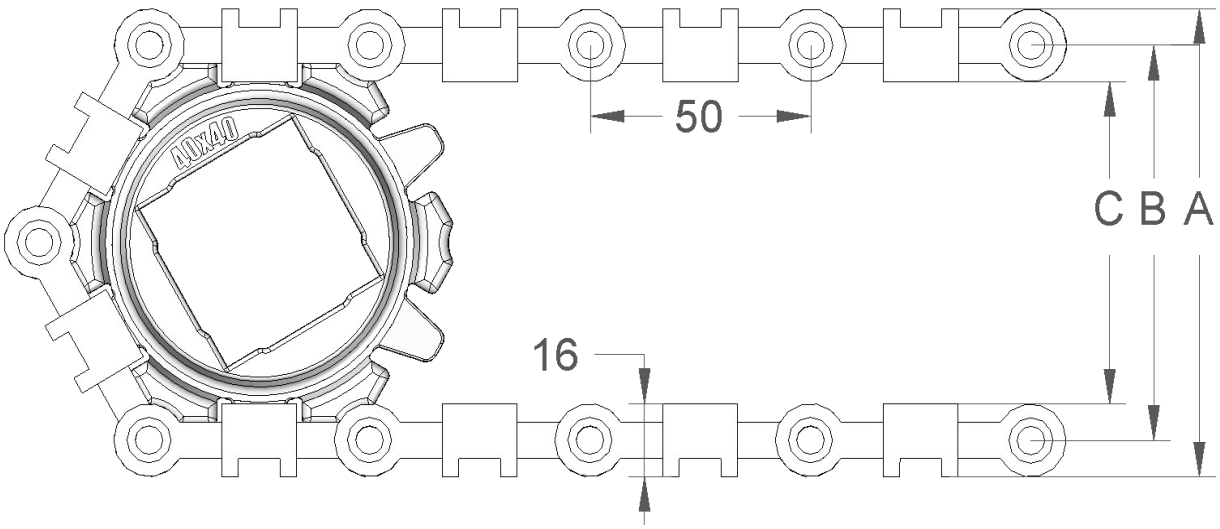
S. 50-300



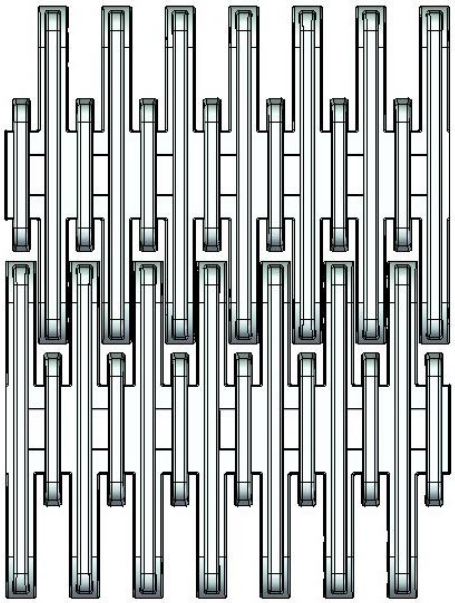
Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Polyethylene (PE)	1740	7
Polypropylene (PP)	2300	7
Polyacetal (POM)	3450	10

Belt surface:	Open belt with ribs across (height = 4 mm)
Open area:	27 %. Biggest opening 5 x 9 mm.
Strength:	The right belt for heavy transportation.
Material/colour:	PE/nat, PP/white and grey. POM/blue.
Cleanability:	Good. FSIS
Accessories:	25, 50, 75 and 100 mm flights. Scoop and bent flights. 75 and 150 mm supported flights. 50, 75, 100 and 150 mm side guards. 50 mm comb flights. Friction top. Hold-down. Flights fitted with a round top.
Application:	Seafood, bakery, meat, vegetables, poultry and heavy duty transportation in general.
Standard widths:	Increments of 10 mm, e.g. 100, 110, 120 mm etc

Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch-diameter	C= Inside-diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
6	105	89	73	20	20/25/30/40	¾/1/1¼	25 /40	1½
8	138	122	106	35	25/30/40	1/1¼	25/40	1½
10	172	156	140	35	25/30/40	1/1¼	25/40/60	1½/2½
12	205	189	173	35	25/30/40/50/60	1/1¼	25/40/60	1½/2½
16	270	254	238	35	25/30/40/50/60	1/1¼	25/40/60	1½/2½



S. 50-220



Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Polypropylene (PP)	2900	15
Polyacetal (POM)	4350	22,5

Belt surface:	Raised ribs – drained – for the use of finger transfer plates.
Open area:	27 %. Biggest opening 7.5 x 3.25 mm.
Strength:	Ideal for medium-heavy weight transportation.
Material/colour:	PP/ grey. POM/blue.
Cleanability:	Excellent. FSIS
Accessories:	Finger transfer plates.
Application:	Transport of medium products, such as bottles, cans and glass. Pasteurizer applications.
Standard widths:	Increments of 12.5 mm, e.g. 100, 112.5, 125 mm

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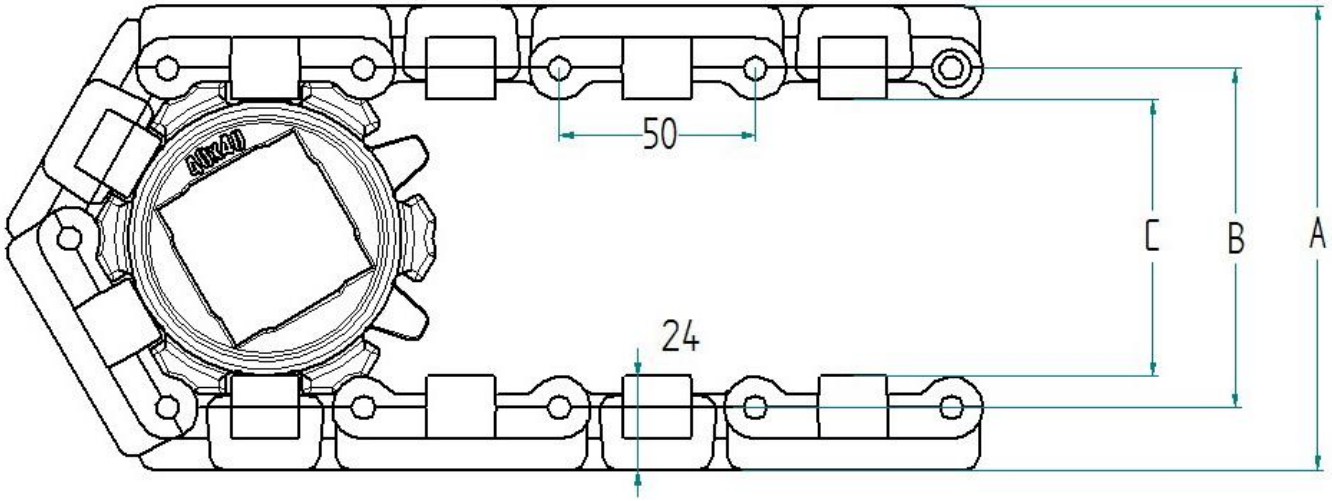
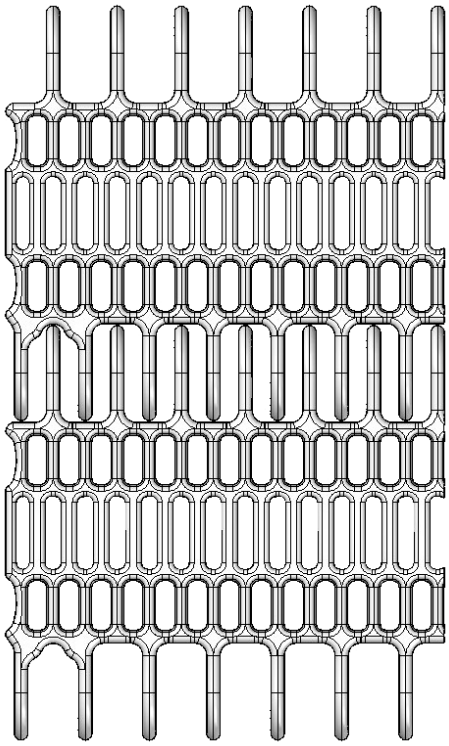
Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch diameter	C= Inside diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
6	121	89	73	20	20/25/30/40	¾/1/1¼	25 /40	1½
8	154	122	106	35	25/30/40	1/1¼	25/40	1½
10	188	156	140	35	25/30/40	1/1¼	25/40/60	1½/2½
12	221	189	173	35	25/30/40/50/60	1/1¼	25/40/60	1½/2½
16	286	254	238	40	60/80		40/50/55/60/80	



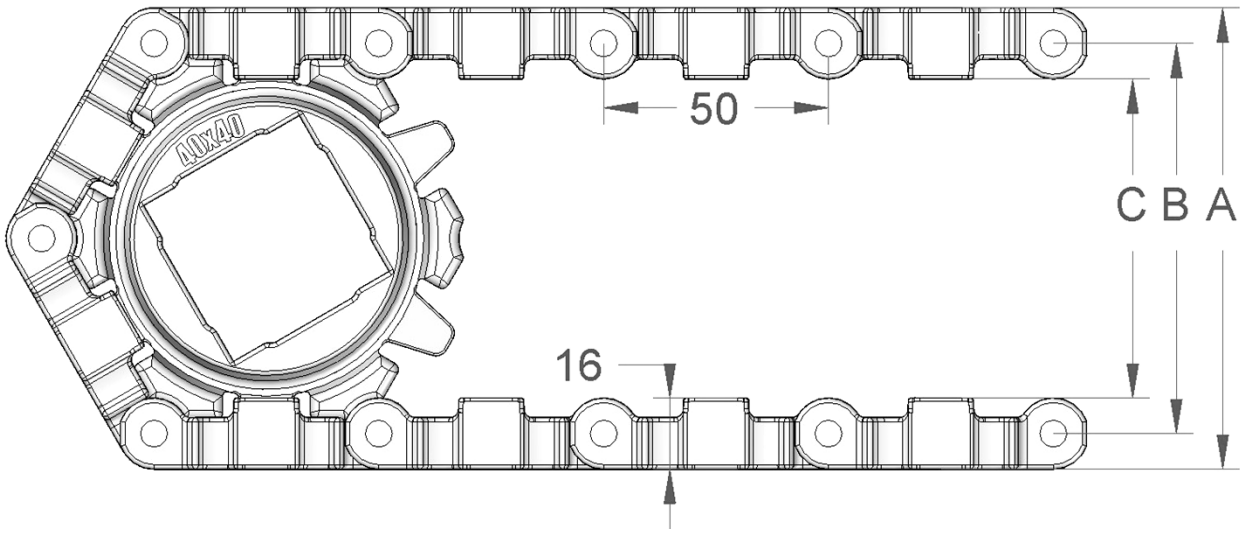
S. 50-401



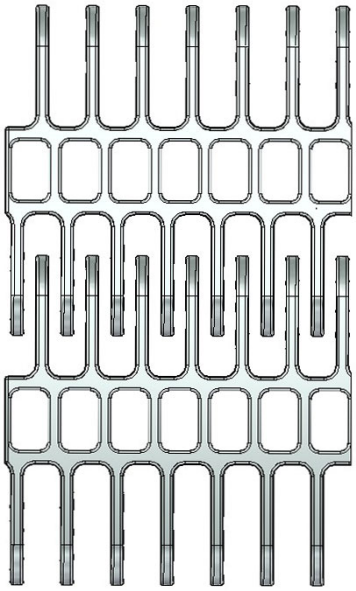
Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Polyethylene (PE)	1200	6
Polypropylene (PP)	1560	6
Polyacetal (POM)	2340	8

Belt surface:	Open belt with a smooth surface.
Open area:	61 %. Biggest opening 3,5 x 11 mm.
Strength:	The right belt for medium-heavy transportation.
Material/colour:	PE/nat, PP/white and grey. POM/blue.
Cleanability:	Excellent. FSIS.
Accessories:	25, 50, 75 and 100 mm flights. 50, 75, 100 and 150 mm side guards. Hold-down. Scoop and bent flights. Flights fitted with a round top.
Application:	Cooling/freezing belts in the seafood, bakery, vegetables, meat industries and other industries, where large air-flow combined with a small open area is required.
Standard widths:	Increments of 10 mm, e.g. 100, 110, 120 mm etc.

Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch-diameter	C= Inside-diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
6	105	89	73	20	20/25/30/40	¾/1/1¼	25 /40	1½
8	138	122	106	35	25/30/40	1/1¼	25/40	1½
10	172	156	140	35	25/30/40	1/1¼	25/40/60	1½/2½
12	205	189	173	35	25/30/40/50/60	1/1¼	25/40/60	1½/2½
16	270	254	238	35	25/30/40/50/60	1/1¼	25/40/60	1½/2½



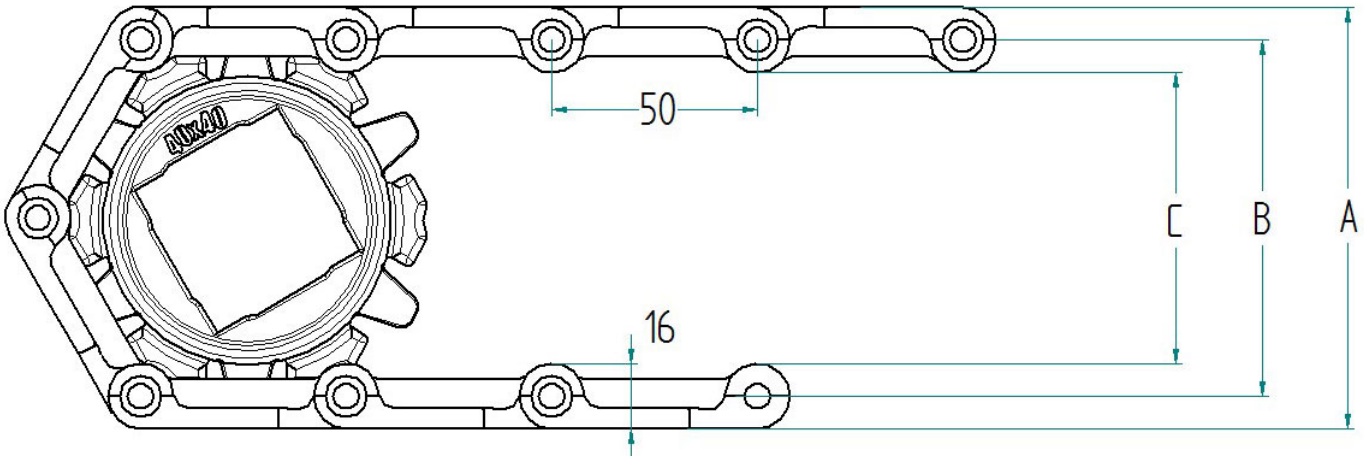
S. 50-701



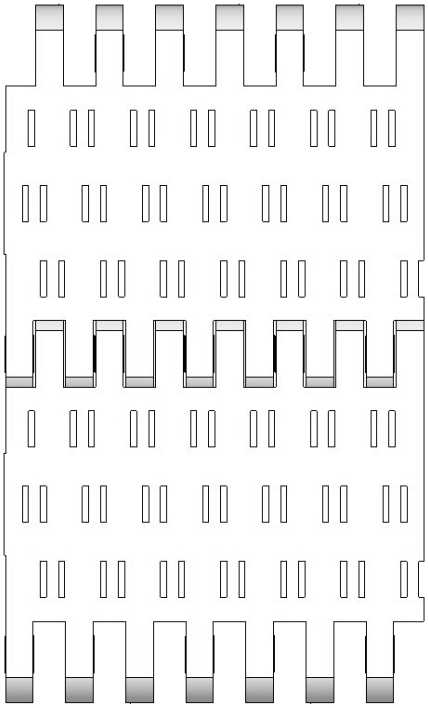
Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Polyethylene (PE)	420	3,5

Belt surface:	Open belt with a smooth surface.
Open area:	63 %. Biggest opening 7,5 x 12 mm.
Strength:	The right belt for light transportation.
Material/colour:	PE/nat, POM/nat.
Cleanability:	Excellent. FSIS.
Application:	Cooling/freezing belts for the seafood, bakery, vegetable industry etc.where large individual openings combined with evenly distributed airflow is required.
Standard widths:	Increments of 10 mm, e.g. 100, 110, 120 mm etc.

Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch-diameter	C= Inside-diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
6	105	89	73	20	20/25/30/40	¾/1/1¼	25 /40	1½
8	138	122	106	35	25/30/40	1/1¼	25/40	1½
10	172	156	140	35	25/30/40	1/1¼	25/40/60	1½/2½
12	205	189	173	35	25/30/40/50/60	1/1¼	25/40/60	1½/2½
16	270	254	238	35	25/30/40/50/60	1/1¼	25/40/60	1½/2½



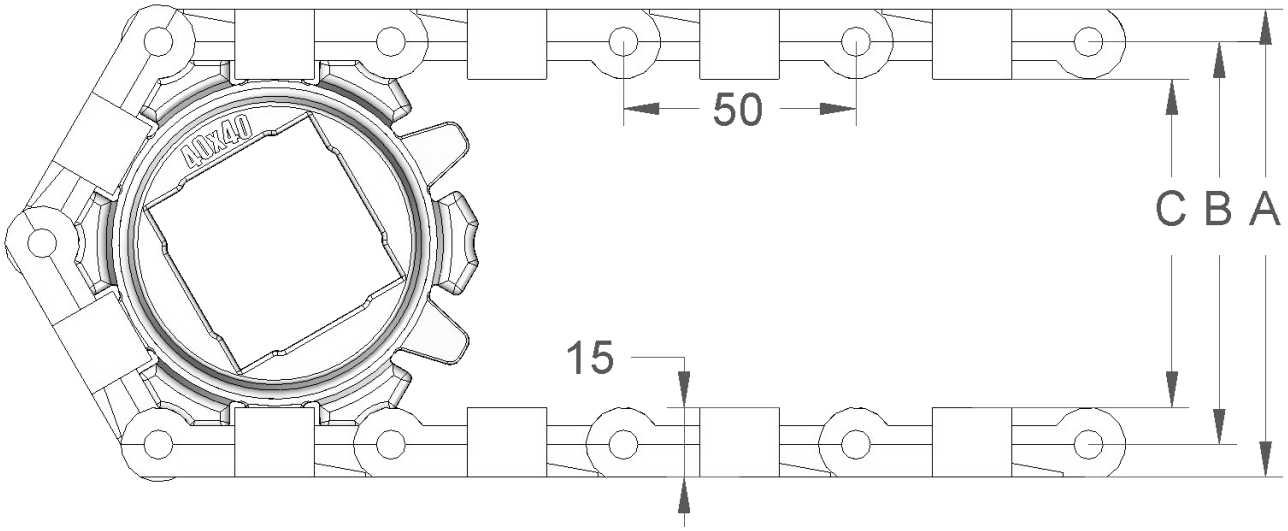
S. 50-600



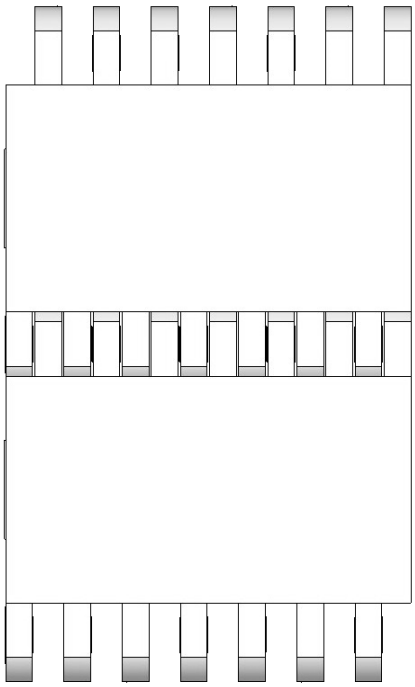
Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Polyethylene (PE)	1790	7
Polypropylene (PP)	2400	7
Polyacetal (POM)	3600	10

Belt surface:	Perforated flat top.
Open area:	9 %. Biggest opening 1 x 6 mm.
Strength:	The right belt for medium-heavy transportation.
Material/colour:	PE/nat and blue, PP/white and grey. POM/blue.
Cleanability:	Excellent. FSIS.
Accessories:	25, 50, 75 and 100 mm flights. Scoop and bent flights. 75 and 150 mm supported flights. 50, 75, 100 and 150 mm side guards. 50 mm comb flights. Hold-down. Flights fitted with a round top. Friction top.
Application:	Goods and other industries that handle products requiring drainage and very small openings.
Standard widths:	Increments of 10 mm, e.g. 100, 110, 120 mm etc

Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch-diameter	C= Inside-diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
6	103	89	73	20	20/25/30/40	¾/1/1¼	25 /40	1½
8	136	122	106	35	25/30/40	1/1¼	25/40	1½
10	170	156	140	35	25/30/40	1/1¼	25/40/60	1½/2½
12	203	189	173	35	25/30/40/50/60	1/1¼	25/40/60	1½/2½
16	268	254	238	35	25/30/40/50/60	1/1¼	25/40/60	1½/2½



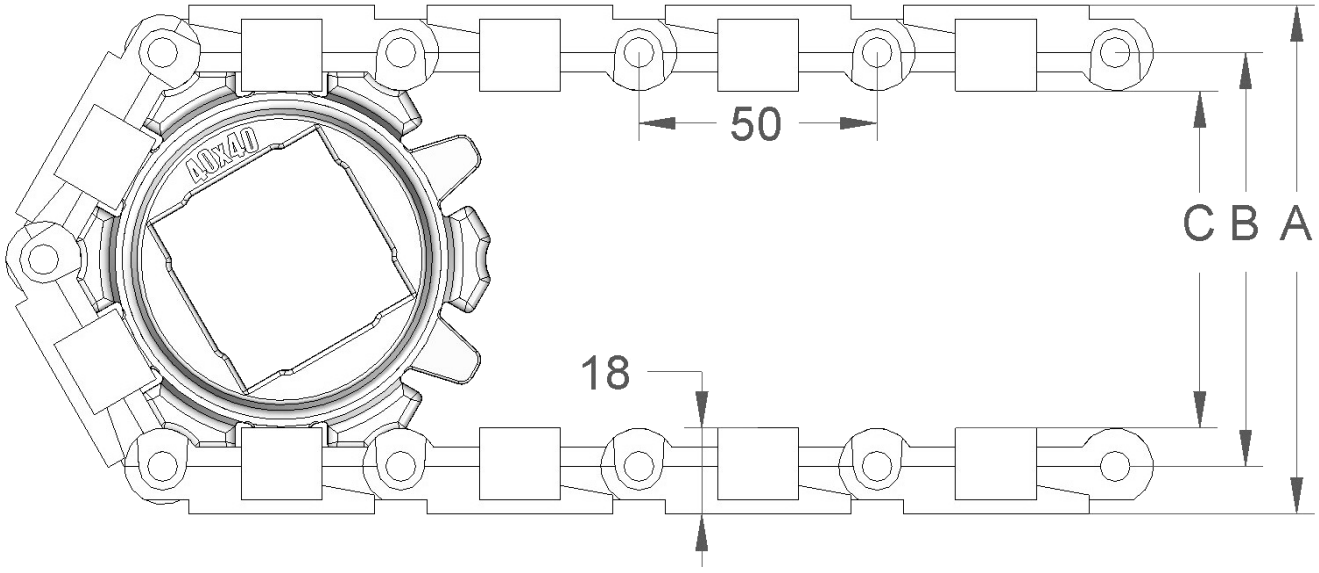
S. 50-600F/2 component



Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Copolymer	2200	9,5

Belt surface:	Closed belt with a friction surface.
Open area:	Closed.
Strength:	The right belt for medium-heavy transportation.
Colour:	Nat/white
Cleanability:	Good.FSIS
Accessories:	25, 50, 75 and 100 mm flights. Scoop and bent flights. 75 and 150 mm supported flights. 50, 75, 100 and 150 mm side guards. 50 mm comb flights. Flights fitted with a round top.
Application:	Transport of goods on a slightly inclined conveyor.
Standard widths:	Increments of 10 mm, e.g. 100, 110 mm etc

Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch-diameter	C= Inside-diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
6	109	89	73	20	20/25/30/40	¾/1/1¼	25 /40	1½
8	142	122	106	35	25/30/40	1/1¼	25/40	1½
10	176	156	140	35	25/30/40	1/1¼	25/40/60	1½/2½
12	209	189	173	35	25/30/40/50/60	1/1¼	25/40/60	1½/2½
16	274	254	238	35	25/30/40/50/60	1/1¼	25/40/60	1½/2½

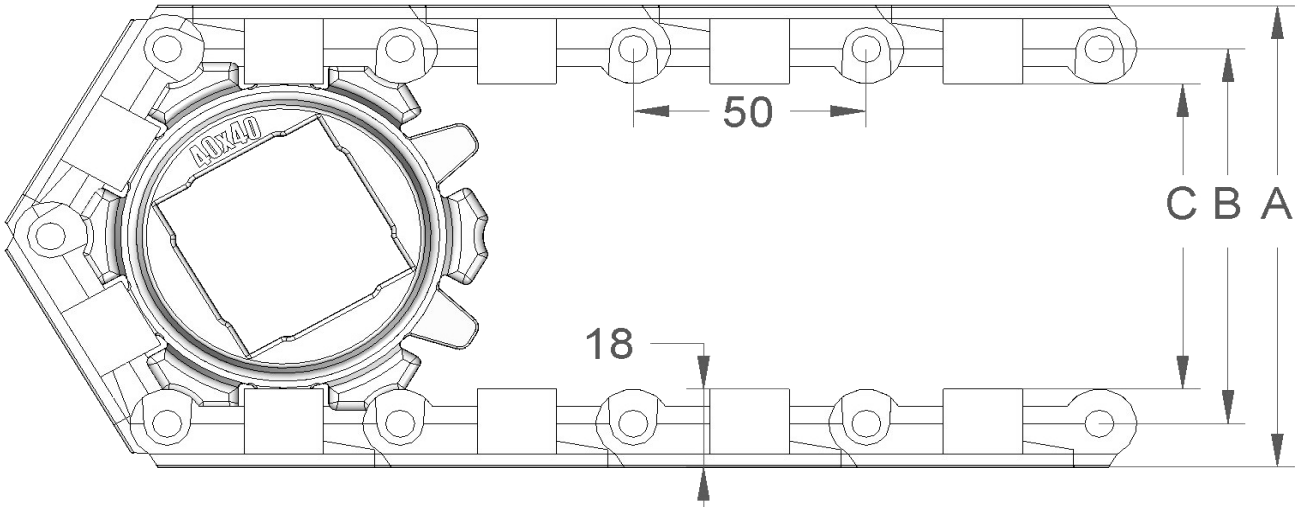


S. 50-602

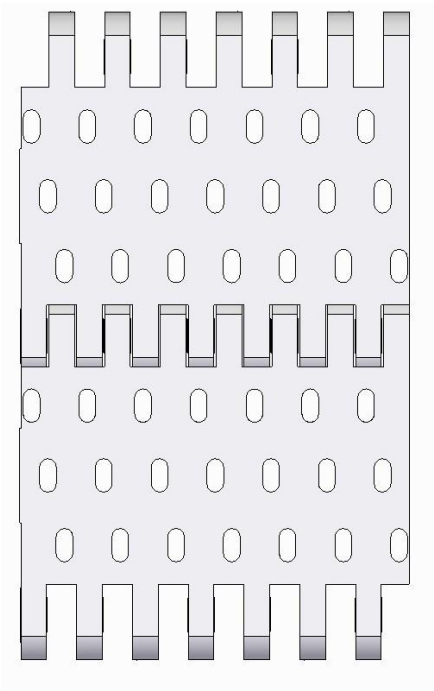
Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Polyethylene (PE)	1790	8
Polypropylene (PP)	2400	8
Polyacetal (POM)	3600	11

Belt surface:	Flat top with 3 mm ribs.
Open area:	Closed.
Strength:	The right belt for medium-heavy transportation.
Material/colour:	PE/nat and blue, PP/white and grey. POM/blue.
Cleanability:	Excellent. FSIS.
Accessories:	25, 50, 75 and 100 mm flights. Scoop and bent flights. 75 and 150 mm supported flights. 50, 75, 100 and 150 mm side guards. 50 mm comb flights. Friction top. Flights fitted with a round top.
Application:	Dairy, vegetables, poultry, snacks, sweet goods and other industries that handle small products.
Standard widths:	Increments of 10 mm, e.g. 100, 110 mm etc

Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch-diameter	C= Inside-diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
6	109	89	73	20	20/25/30/40	¾/1/1¼	25 /40	1½
8	142	122	106	35	25/30/40	1/1¼	25/40	1½
10	176	156	140	35	25/30/40	1/1¼	25/40/60	1½/2½
12	209	189	173	35	25/30/40/50/60	1/1¼	25/40/60	1½/2½
16	274	254	238	35	25/30/40/50/60	1/1¼	25/40/60	1½/2½



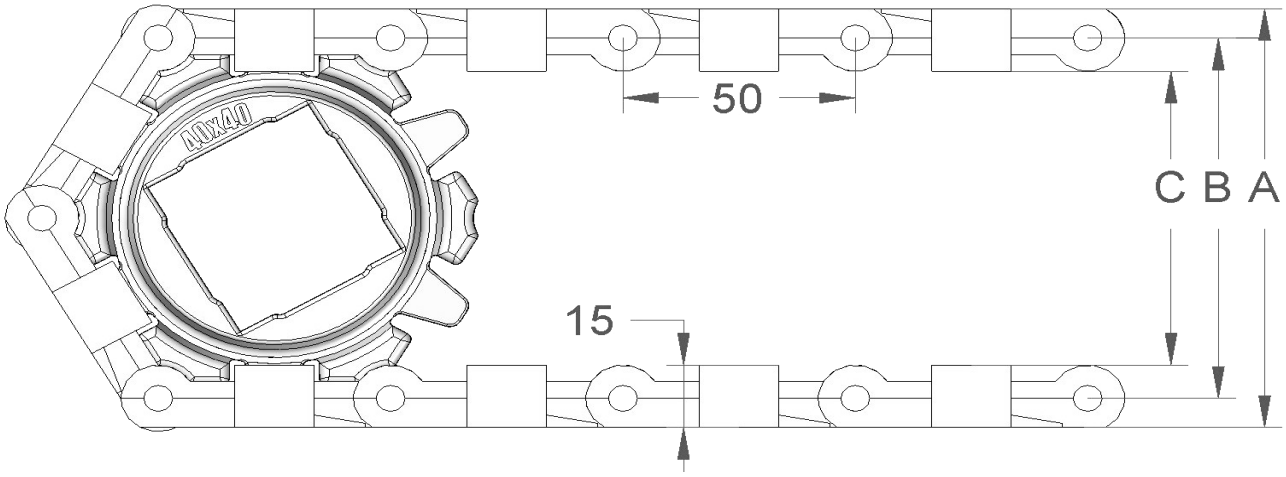
S. 50-606



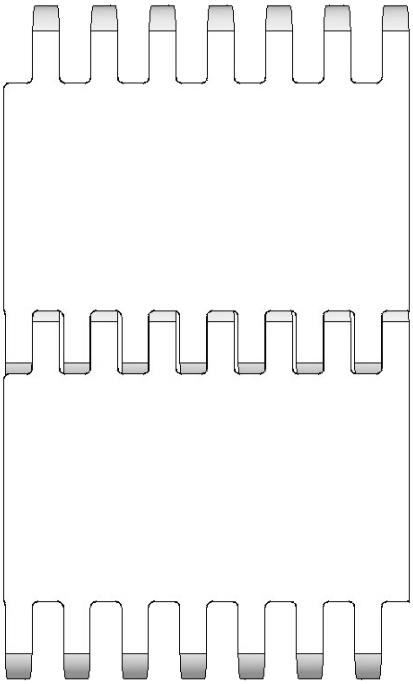
Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Polyethylene (PE)	1790	7
Polypropylene (PP)	2400	7
Polyacetal (POM)	3600	11

Belt surface:	Perforated flat top.
Open area:	10%. Biggest opening 3 x 6 mm.
Strength:	The right belt for medium-heavy-transportation
Material/colour:	PE/nat and blue, PP/white and grey. POM/blue.
Cleanability:	Excellent. FSIS.
Accessories:	25, 50, 75 and 100 mm flights. Scoop and bent flights. 75 and 150 mm supported flights. 50, 75, 100 and 150 mm side guards. 50 mm comb flights. Friction top. Flights fitted with a round top.
Application:	Dairy, vegetables, poultry, snacks, sweet goods and other industries that handle products requiring drainage and small openings.
Standard widths:	Increments of 10 mm, e.g. 100, 110 mm etc

Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch-diameter	C= Inside-diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
6	103	89	73	20	20/25/30/40	¾/1/1¼	25 /40	1½
8	136	122	106	35	25/30/40	1/1¼	25/40	1½
10	170	156	140	35	25/30/40	1/1¼	25/40/60	1½/2½
12	203	189	173	35	25/30/40/50/60	1/1¼	25/40/60	1½/2½
16	268	254	238	35	25/30/40/50/60	1/1¼	25/40/60	1½/2½



S. 50-608

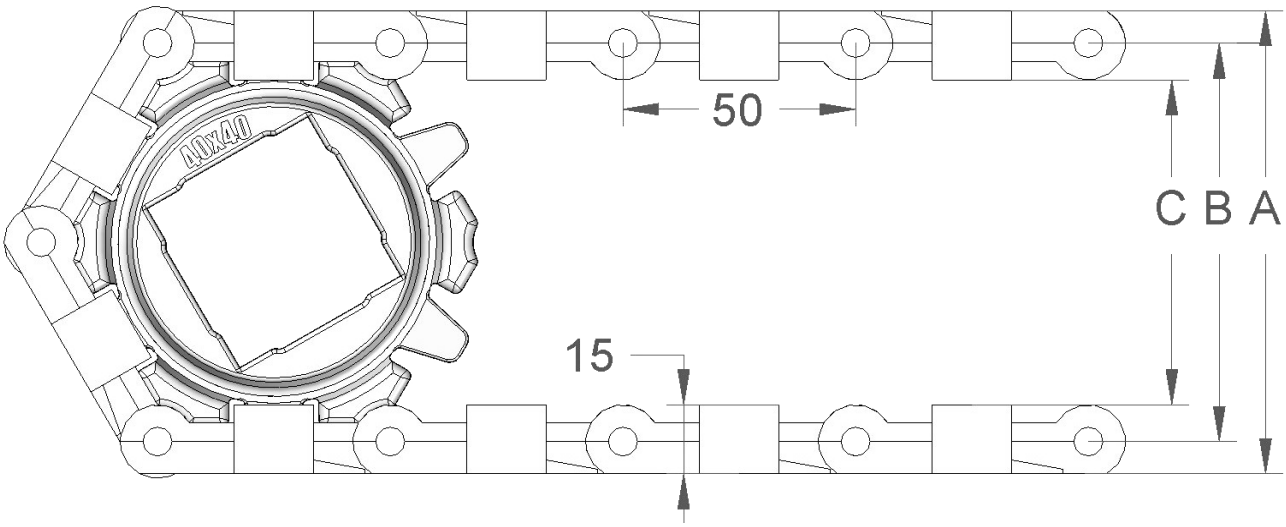


Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Polyethylene (PE)	1790	7
Polypropylene (PP)	2400	7
Polyacetal (POM)	3600	11

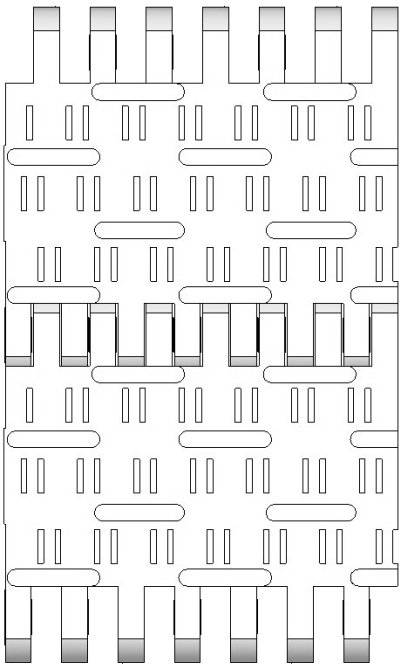
Belt surface:	Flat top.
Open area:	Closed.
Strength:	The right belt for medium-heavy transportation.
Material/colour:	PE/nat and blue, PP/white and grey. POM/blue.
Cleanability:	Excellent. FSIS.
Accessories:	25, 50, 75 and 100 mm flights. Scoop and bent flights. 75 and 150 mm supported flights. 50, 75, 100 and 150 mm side guards. 50 mm comb flights. Friction top. Flights fitted with a round top.
Application:	Dairy, vegetables, poultry, snacks, sweet goods and other industries that handle small products.
Standard widths:	Increments of 10 mm, e.g. 100, 110 mm etc

Sprocket Data

No. of teeth	A= Outside diameter	B= Pitch-diameter	C= Inside-diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
6	103	89	73	20	20/25/30/40	¾/1/1¼	25 /40	1½
8	136	122	106	35	25/30/40	1/1¼	25/40	1½
10	170	156	140	35	25/30/40	1/1¼	25/40/60	1½/2½
12	203	189	173	35	25/30/40/50/60	1/1¼	25/40/60	1½/2½
16	268	254	238	35	25/30/40/50/60	1/1¼	25/40/60	1½/2½



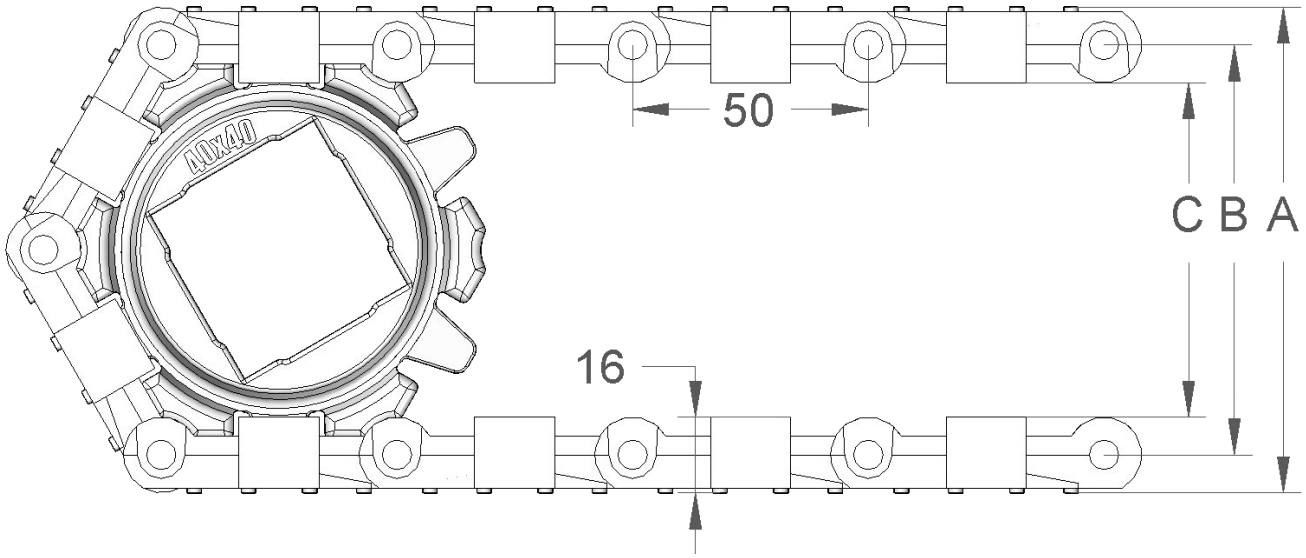
S. 50-610



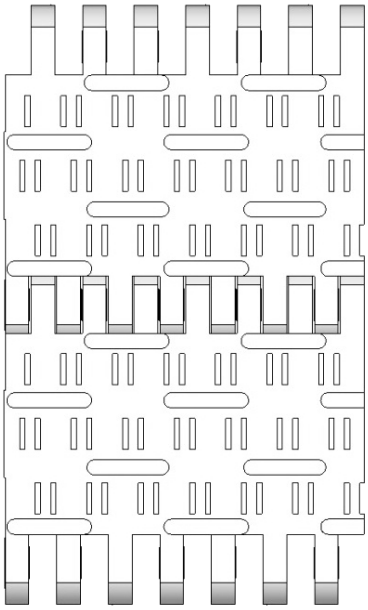
Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Polyethylene (PE)	1790	7
Polypropylene (PP)	2400	7
Polyacetal (POM)	3600	11

Belt surface:	Perforated flat top with 1 mm flights.
Open area:	9%. Biggest opening 1 x 6 mm.
Strength:	The right belt for medium-heavy transportation.
Material/colour:	PE/nat and blue, PP/white and grey. POM/blue.
Cleanability:	Excellent. FSIS.
Accessories:	25, 50, 75 and 100 mm flights. Scoop and bent flights. 75 and 150 mm supported flights. 50, 75, 100 and 150 mm side guards. 50 mm comb flights. Friction top. Flights fitted with a round top.
Application:	Dairy, vegetables, poultry, snacks, sweet goods and other industries that handle products requiring drainage and small openings.
Standard widths:	Increments of 10 mm, e.g. 100, 110 mm etc

Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch-diameter	C= Inside-diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
6	105	89	73	20	20/25/30/40	¾/1/1¼	25 /40	1½
8	138	122	106	35	25/30/40	1/1¼	25/40	1½
10	172	156	140	35	25/30/40	1/1¼	25/40/60	1½/2½
12	205	189	173	35	25/30/40/50/60	1/1¼	25/40/60	1½/2½
16	270	254	238	35	25/30/40/50/60	1/1¼	25/40/60	1½/2½



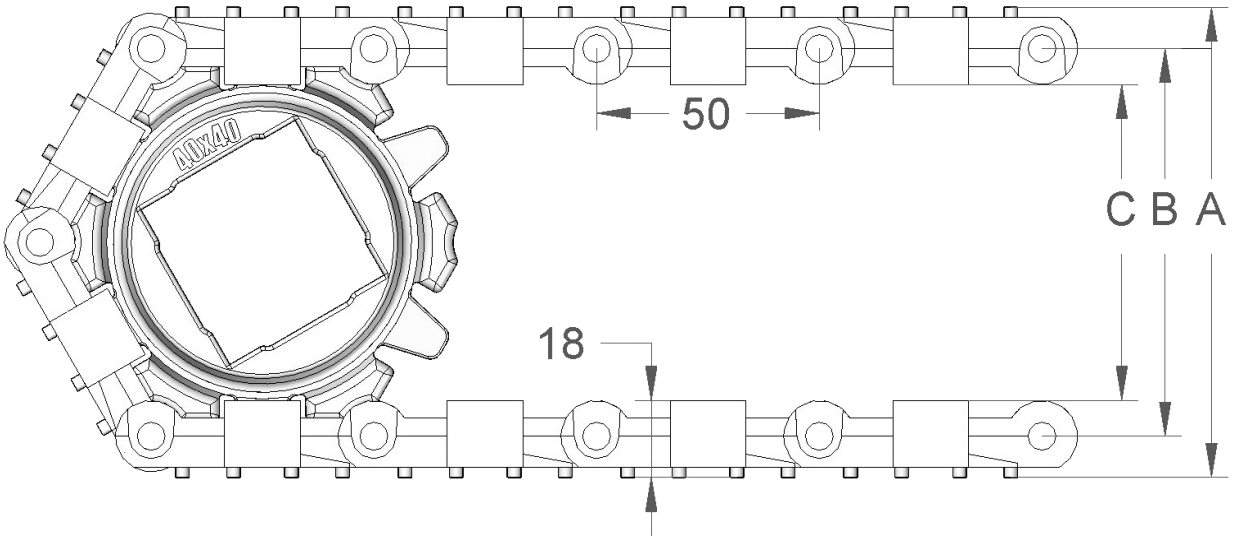
S. 50-630



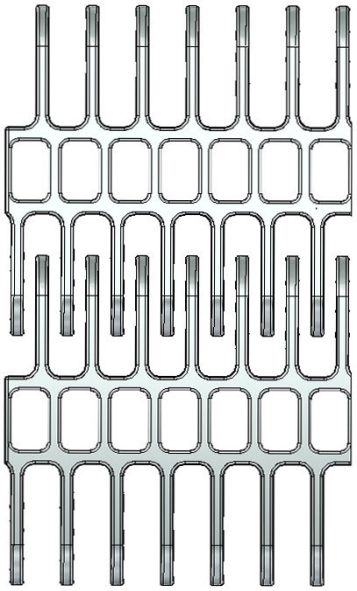
Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Polyethylene (PE)	1790	7
Polypropylene (PP)	2400	7
Polyacetal (POM)	3600	11

Belt surface:	Perforated flat top with 3 mm flights.
Open area:	9%. Biggest opening 1 x 6 mm.
Strength:	The right belt for medium-heavy transportation.
Material/colour:	PE/nat and blue, PP/white and grey. POM/blue.
Cleanability:	Excellent. FSIS.
Accessories:	25, 50, 75 and 100 mm flights. Scoop and bent flights. 75 and 150 mm supported flights. 50, 75, 100 and 150 mm side guards. 50 mm comb flights. Friction top. Flights fitted with a round top.
Application:	Dairy, vegetables, poultry, snacks, sweet goods and other industries that handle products requiring drainage and small openings.
Standard widths:	Increments of 10 mm, e.g. 100, 110 mm etc

Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch-diameter	C= Inside-diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
6	109	89	73	20	20/25/30/40	¾/1/1¼	25 /40	1½
8	142	122	106	35	25/30/40	1/1¼	25/40	1½
10	176	156	140	35	25/30/40	1/1¼	25/40/60	1½/2½
12	209	189	173	35	25/30/40/50/60	1/1¼	25/40/60	1½/2½
16	274	254	238	35	25/30/40/50/60	1/1¼	25/40/60	1½/2½



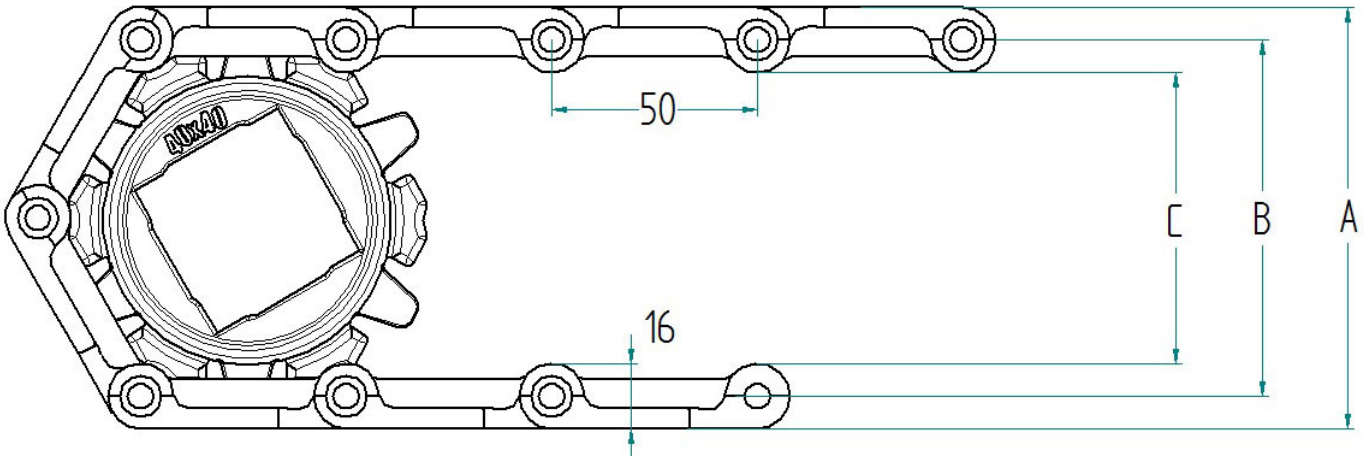
S. 50-701



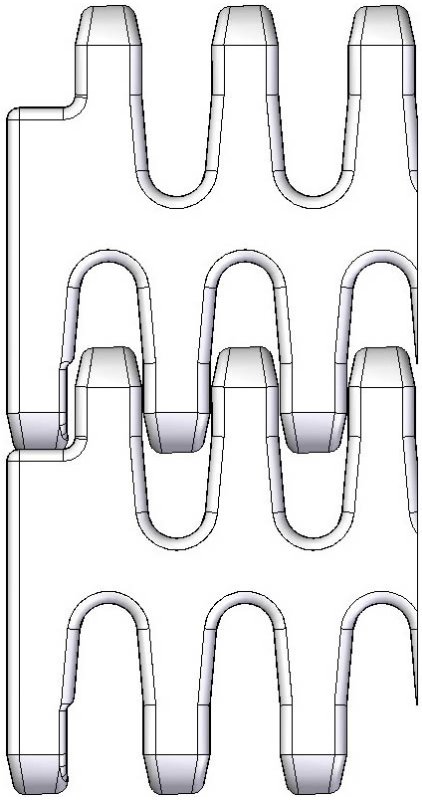
Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Polyethylene (PE)	420	3,5

Belt surface:	Open belt with a smooth surface.
Open area:	63 %. Biggest opening 7,5 x 12 mm.
Strength:	The right belt for light transportation.
Material/colour:	PE/nat, POM/nat.
Cleanability:	Excellent. FSIS.
Application:	Cooling/freezing belts for the seafood, bakery, vegetable industry etc.where large individual openings combined with evenly distributed airflow is required.
Standard widths:	Increments of 10 mm, e.g. 100, 110, 120 mm etc.

Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch-diameter	C= Inside-diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
6	105	89	73	20	20/25/30/40	¾/1/1¼	25 /40	1½
8	138	122	106	35	25/30/40	1/1¼	25/40	1½
10	172	156	140	35	25/30/40	1/1¼	25/40/60	1½/2½
12	205	189	173	35	25/30/40/50/60	1/1¼	25/40/60	1½/2½
16	270	254	238	35	25/30/40/50/60	1/1¼	25/40/60	1½/2½



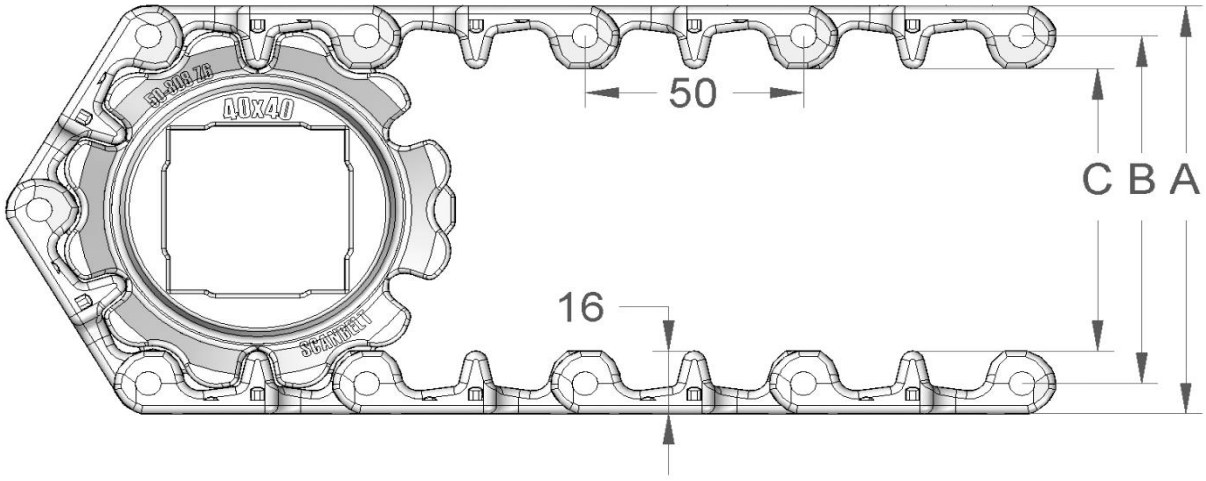
S. 50-801



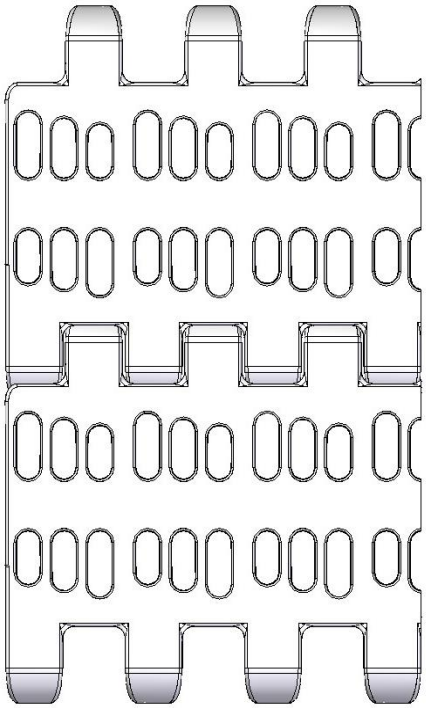
Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Polyethylene (PE)	1200	7
Polypropylene (PP)	1400	7
Polyacetal (POM)	2060	10

Belt surface:	Open belt with a smooth surface
Open area:	24%. Biggest opening 10 x 12 mm
Strength:	The right belt for medium-heavy transportation.
Material/colour:	PE/nat and blue, PP/white and grey. POM/blue.
Cleanability:	Excellent. FSIS.
Accessories:	25, 50, 75 and 100 mm flights. 75 and 150 mm supported flights. Scoop and bent flights. 50, 75, 100 and 150 mm side guards. Hold-down. Flights fitted with a round top.
Application:	Medium-heavy duty transportation, Red meat, poultry, seafood and transportation of raw materials (for further processing).
Standard widths:	Increments of 20 mm, e.g. 100, 120 mm etc

Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch-diameter	C= Inside-diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
6	102	89	73	20	20/25/30/40	¾/1/1¼	25 /40	1½
8	136	122	106	35	25/30/40	1/1¼	25/40	1½
10	171	156	140	35	25/30/40	1/1¼	25/40/60	1½/2½
12	203	189	173	35	25/30/40/50/60	1/1¼	25/40/60	1½/2½



S. 50-805



Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m²
Polyethylene (PE)	1200	7
Polypropylene (PP)	1400	7
Polyacetal (POM)	2060	10

Belt surface:	Open belt with a smooth surface
Open area:	26 %. Biggest opening 4 x 11 mm
Strength:	The right belt for medium-heavy transportation.
Material/colour:	PE/nat, PP/white and grey. POM/blue.
Cleanability:	Excellent. FSIS.
Accessories:	25, 50, 75 and 100 mm flights. 75 and 150 mm supported flights. Scoop and bent flights. 50, 75, 100 and 150 mm side guards. Hold-down. Flights fitted with a round top.
Application:	Medium-heavy duty transportation requiring drainage. Seafood, dairy, vegetables, poultry, snacks, sweet goods and other industries requiring high degree of cleanability.
Standard widths:	Increments of 20 mm, e.g. 100, 120 mm etc.

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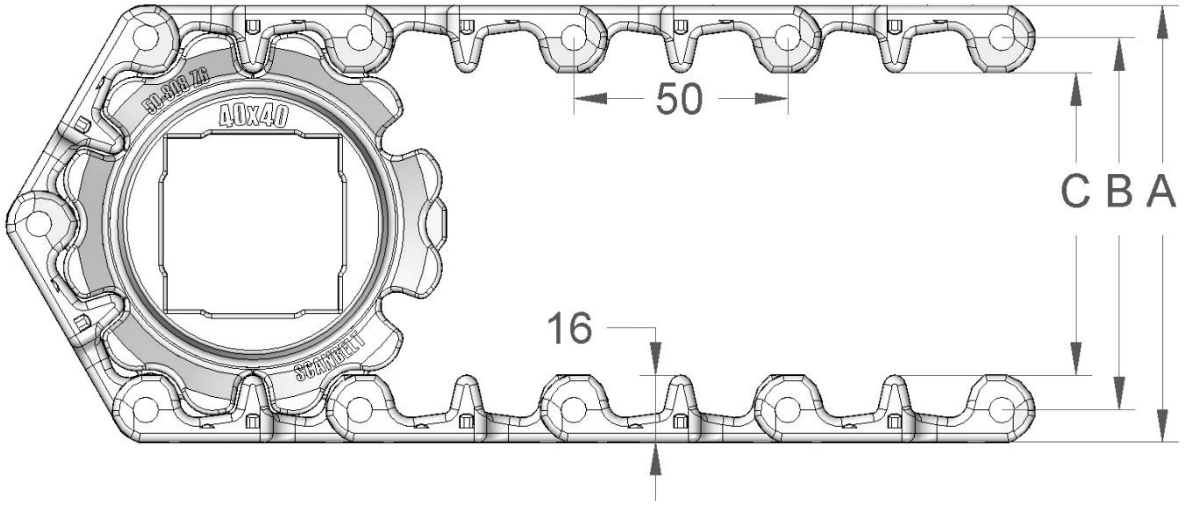
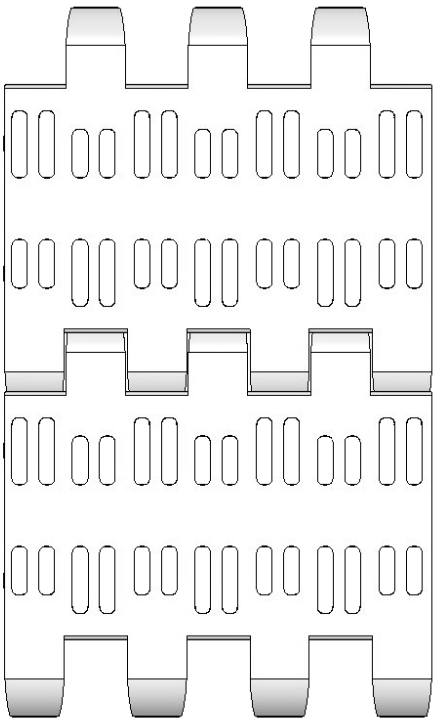
Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch-diameter	C= Inside-diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
6	102	89	73	20	20/25/30/40	¾/1/1¼	25 /40	1½
8	136	122	106	35	25/30/40	1/1¼	25/40	1½
10	171	156	140	35	25/30/40	1/1¼	25/40/60	1½/2½
12	205	189	173	35	25/30/40/50/60	1/1¼	25/40/60	1½/2½



S. 50-806



Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m²
Polyethylene (PE)	1200	7
Polypropylene (PP)	1400	7
Polyacetal (POM)	2060	10

Belt surface:	Open belt with a smooth surface
Open area:	21%. Biggest opening 2.5 x 11 mm
Strength:	The right belt for medium-heavy transportation.
Material/colour:	PE/nat, PP/white and grey. POM/blue.
Cleanability:	Excellent. FSIS.
Accessories:	25, 50, 75 and 100 mm flights. 75 and 150 mm supported flights. Scoop and bent flights. 50, 75, 100 and 150 mm side guards. Hold-down. Flights fitted with a round top.
Application:	Medium-heavy duty transportation, Dairy, vegetables, poultry, snacks, sweet goods and other industries that handle products requiring drainage and small openings.
Standard widths:	Increments of 20 mm, e.g. 100, 120 mm etc

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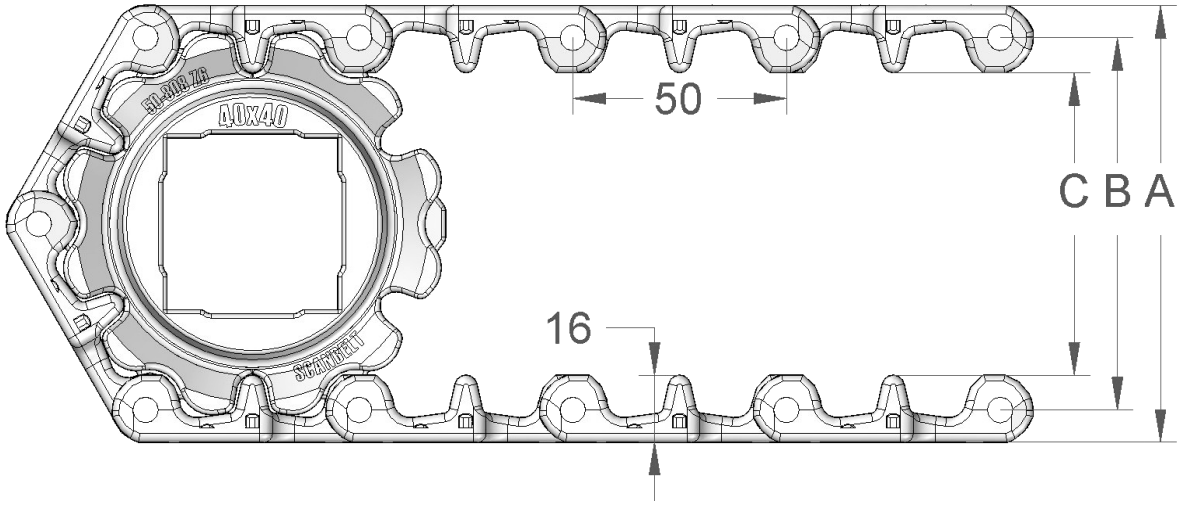
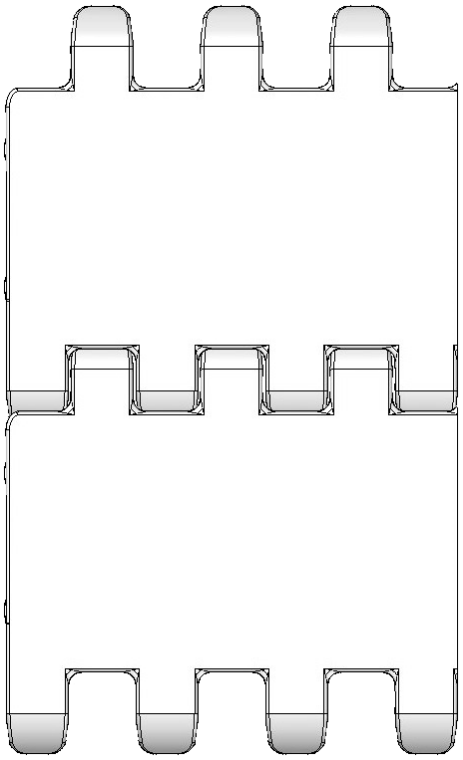
Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch-diameter	C= Inside-diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
6	102	89	73	20	20/25/30/40	¾/1/1¼	25 /40	1½
8	136	122	106	35	25/30/40	1/1¼	25/40	1½
10	171	156	140	35	25/30/40	1/1¼	25/40/60	1½/2½
12	205	189	173	35	25/30/40/50/60	1/1¼	25/40/60	1½/2½



S. 50-808



Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Polyethylene (PE)	1200	8
Polypropylene (PP)	1400	8
Polyacetal (POM)	2060	12

Belt surface:	Flat top.
Open area:	Closed.
Strength:	The right belt for medium-heavy transportation.
Material/colour:	PE/nat, PP/white and grey. POM/blue.
Cleanability:	Excellent. FSIS.
Accessories:	25, 50, 75 and 100 mm flights. 75 and 150 mm supported flights. Scoop and bent flights. 50, 75, 100 and 150 mm side guards. Hold-down. Flights fitted with a round top.
Application:	Red meat, seafood, poultry, dairy and vegetable industries and trimming lines in general.
Standard widths:	Increments of 20 mm, e.g. 100, 120 mm etc

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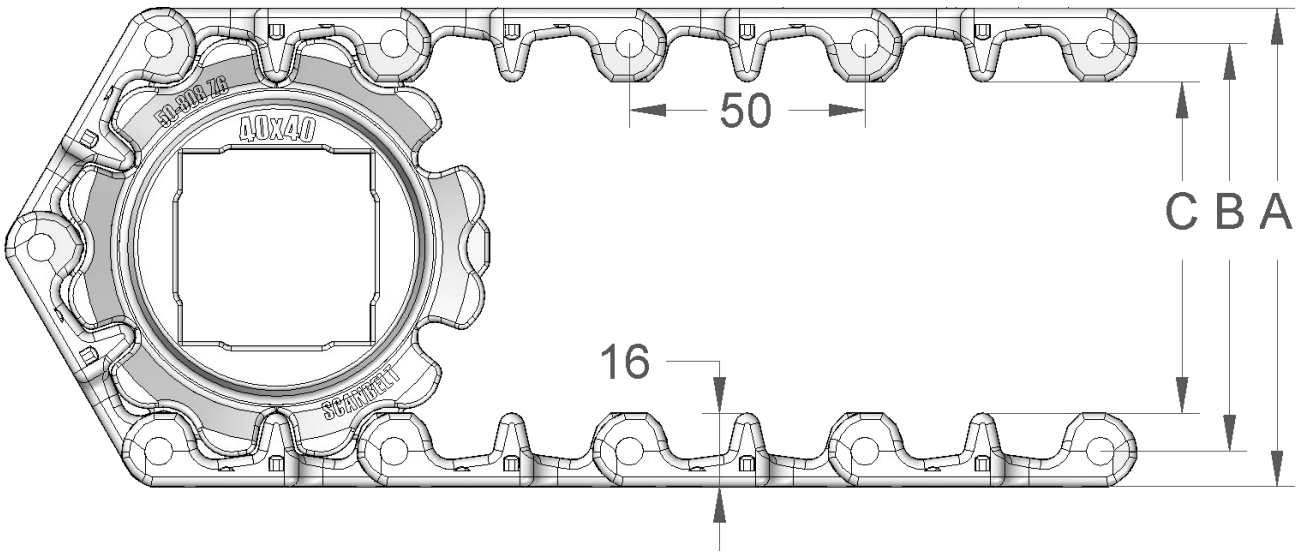
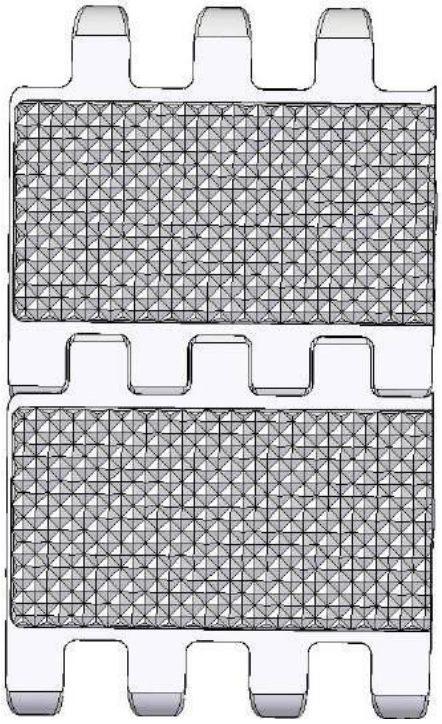
Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch-diameter	C= Inside-diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
6	102	89	73	20	20/25/30/40	¾/1/1¼	25 /40	1½
8	136	122	106	35	25/30/40	1/1¼	25/40	1½
10	171	156	140	35	25/30/40	1/1¼	25/40/60	1½/2½
12	205	189	173	35	25/30/40/50/60	1/1¼	25/40/60	1½/2½



S. 50-808 F2



Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Copolymer	1350	9

Belt surface:	Closed belt with friction top.
Open area:	Closed.
Strength:	The right belt for medium-heavy transportation.
Material/colour:	PE/nat, PP/white and grey. POM/blue.
Cleanability:	Excellent.
Accessories:	25, 50, 75 and 100 mm flights. 75 and 150 mm supported flights. Scoop and bent flights. 50, 75, 100 and 150 mm side guards. Hold-down. Flights fitted with a round top.
Application:	Transport of goods on a slightly inclined conveyor.
Standard widths:	Increments of 20 mm, e.g. 100, 120 mm etc.

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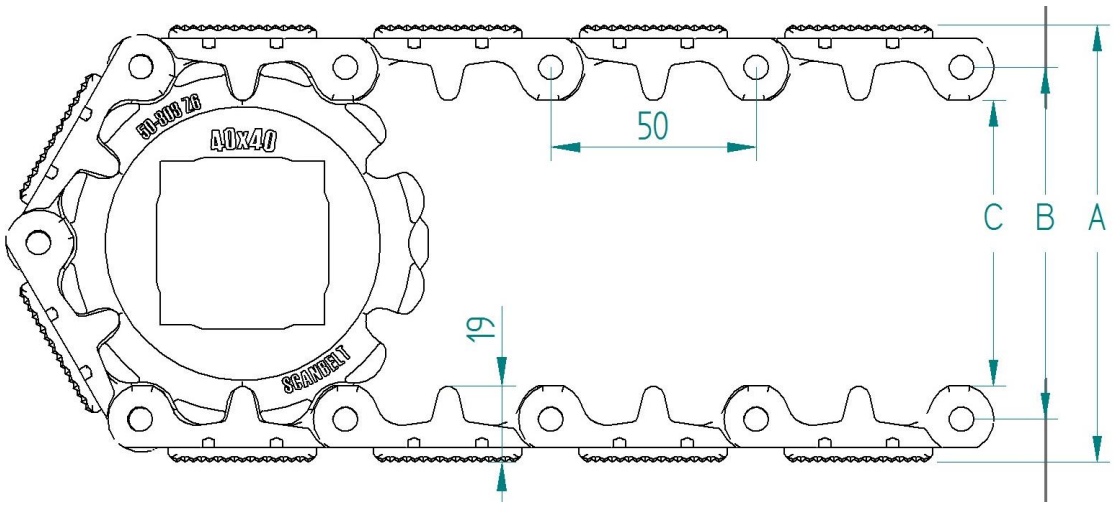
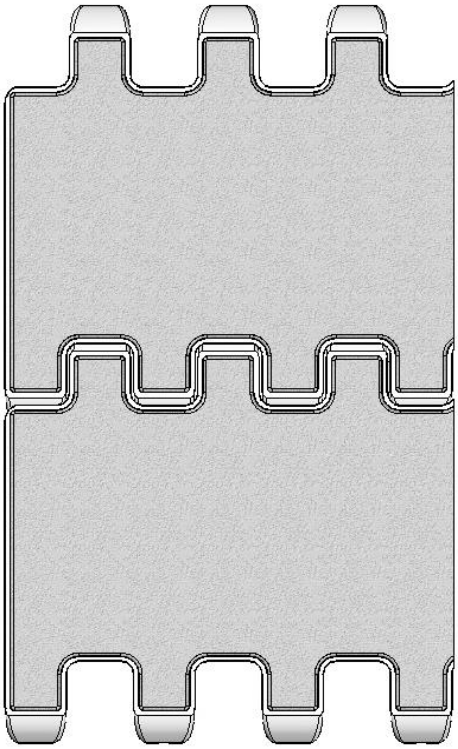
Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch-diameter	C= Inside-diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
6	111	89	73	20	20/25/30/40	¾/1/1¼	25 /40	1½
8	144	122	106	35	25/30/40	1/1¼	25/40	1½
10	178	156	140	35	25/30/40	1/1¼	25/40/60	1½/2½
12	211	189	173	35	25/30/40/50/60	1/1¼	25/40/60	1½/2½



S. 50-808 FT - FlexiTop



Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Polyacetal (NYLON)	2200	12

Belt surface: Closed flat top belt.
Open area: Closed.
Strength: The right belt for medium-heavy transportation.
Material/colour: NYL/nat.
Cleanability: Excellent.
Accessories: None
Application: Cutting/trimming belt with an improved cut – and impact resistance for the meat industry
Standard widths: Increments of 20 mm, e.g. 100, 120 mm etc.

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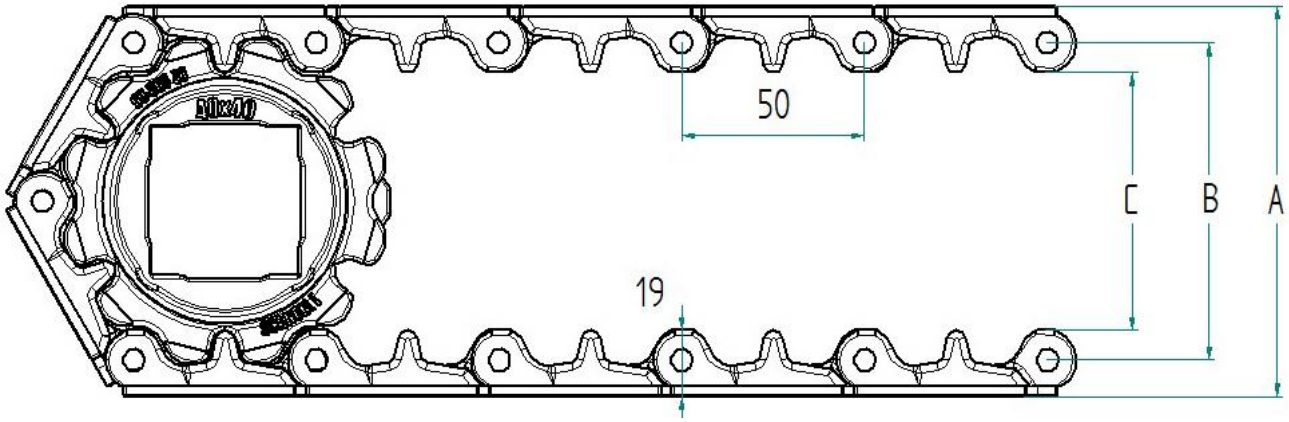
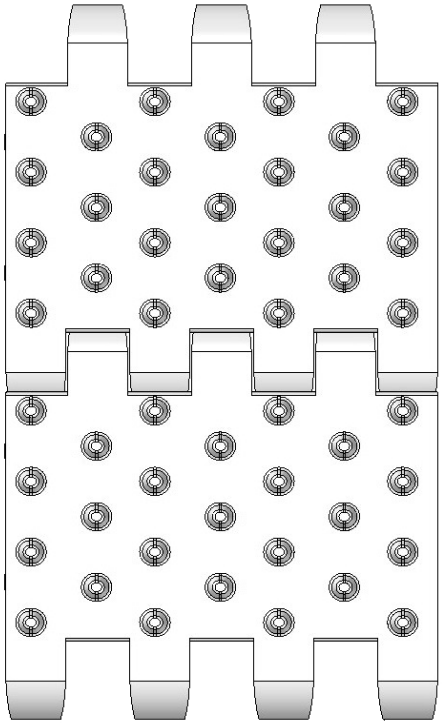
Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch-diameter	C= Inside-diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
6	108	89	73	20	20/25/30/40	¾/1/1¼	25 /40	1½
8	142	122	106	35	25/30/40	1/1¼	25/40	1½
10	177	156	140	35	25/30/40	1/1¼	25/40/60	1½/2½
12	211	189	173	35	25/30/40/50/60	1/1¼	25/40/60	1½/2½



S. 50-830



Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Polyethylene (PE)	1200	8
Polypropylene (PP)	1400	8
Polyacetal (POM)	2060	12

Belt surface:	Structure top with 3 mm cones.
Open area:	Closed.
Strength:	The right belt for medium-heavy transportation.
Material/colour:	PE/nat, PP/white and grey. POM/blue.
Cleanability:	Excellent. FSIS.
Accessories:	25, 50, 75 and 100 mm flights. 75 and 150 mm supported flights. Scoop and bent flights. 50, 75, 100 and 150 mm side guards. Hold-down. Flights fitted with a round top.
Application:	Seafood, red meat, vegetable etc.
Standard widths:	Increments of 20 mm, e.g. 100, 120 mm etc.

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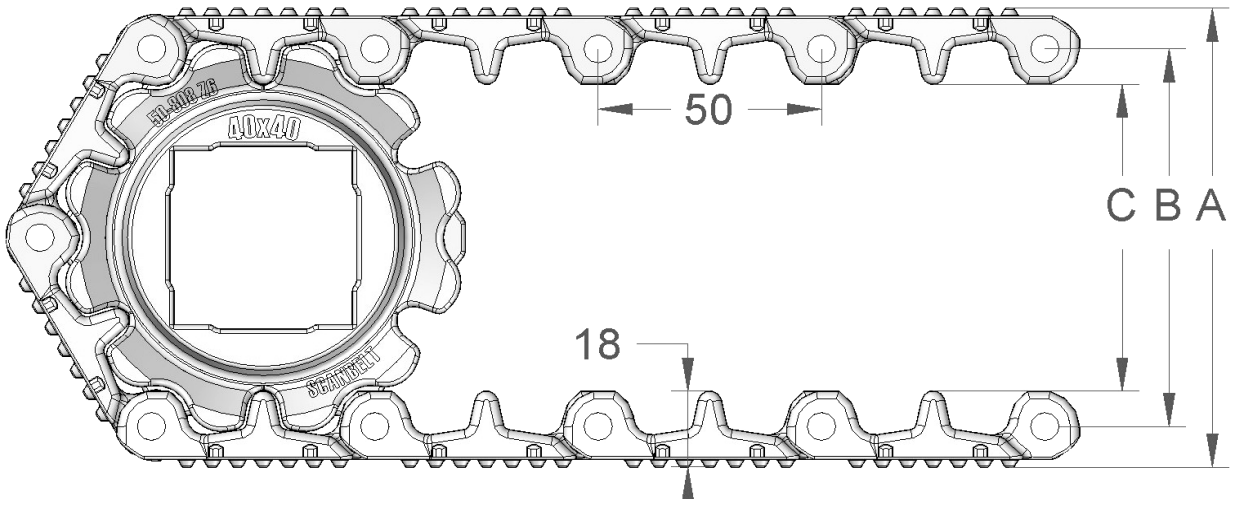
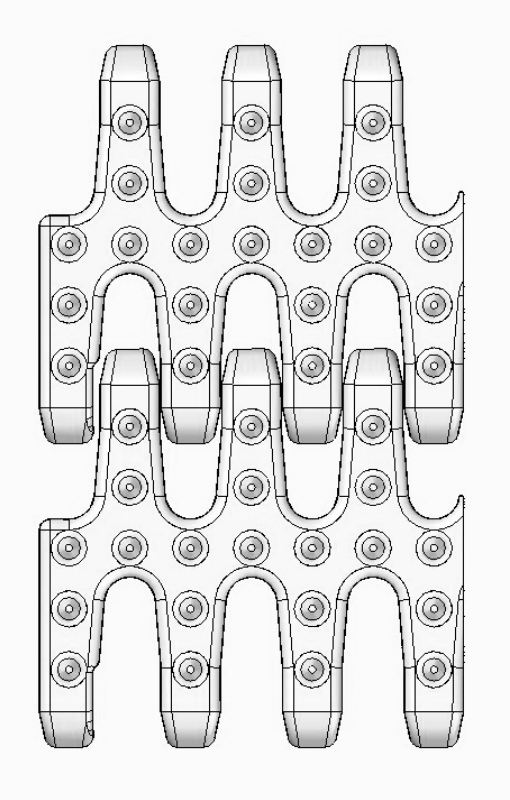
Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch-diameter	C= Inside-diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
6	108	89	73	20	20/25/30/40	¾/1/1¼	25 /40	1½
8	142	122	106	35	25/30/40	1/1¼	25/40	1½
10	176	156	140	35	25/30/40	1/1¼	25/40/60	1½/2½
12	209	189	173	35	25/30/40/50/60	1/1¼	25/40/60	1½/2½



SCANBELT

S. 50-831

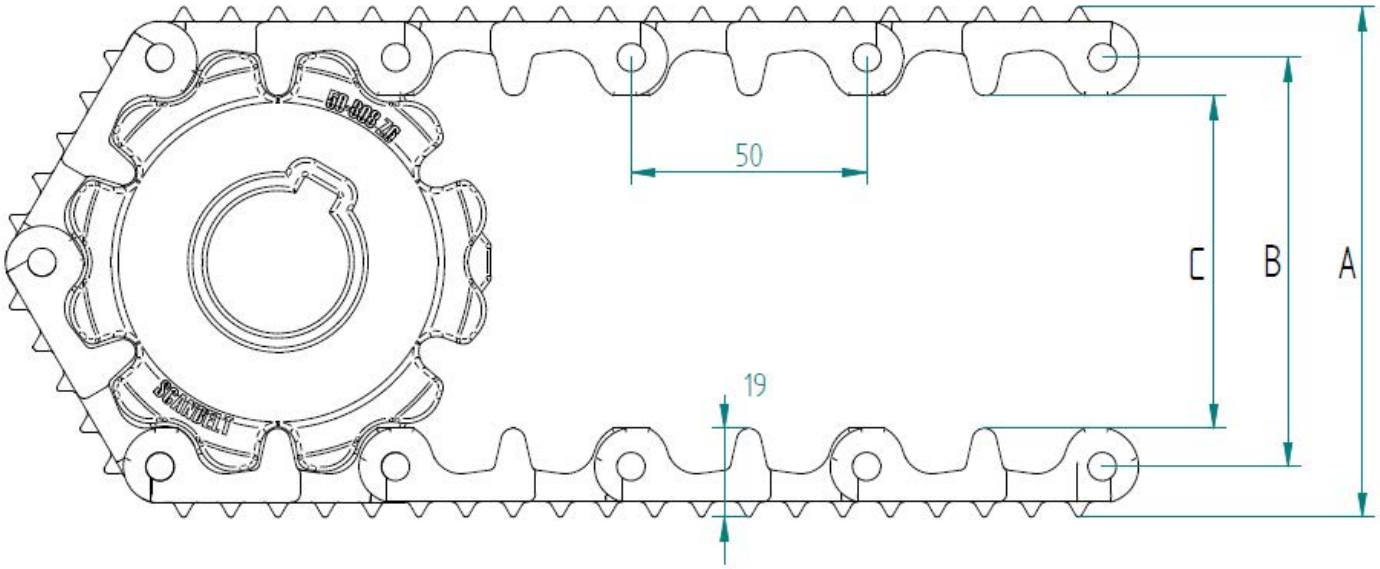


Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Polyethylene (PE)	1200	7
Polypropylene (PP)	1400	7
Polyacetal (POM)	2060	10

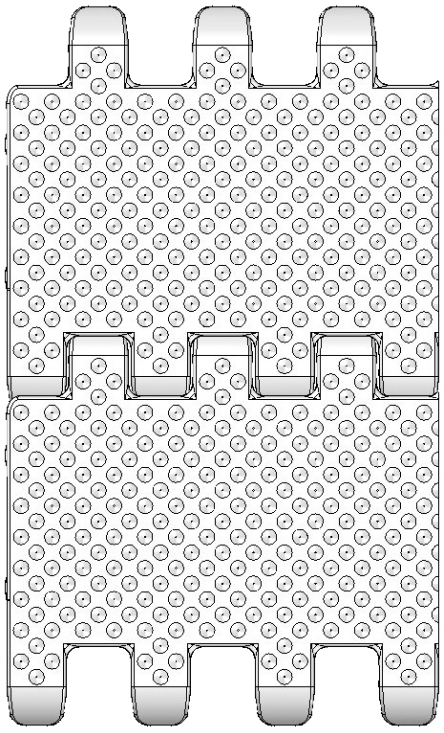
Belt surface:	Open belt with 3 mm. cone top.
Open area:	24%. Biggest opening 10 x 12 mm
Strength:	The right belt for light to medium transportation.
Material/colour:	PE/nat and blue, PP/white and POM/blue.
Cleanability:	Excellent. FSIS.
Accessories:	25, 50, 75 and 100 mm flights. 75 and 150 mm supported flights. Scoop and bent flights. 50, 75, 100 and 150 mm side guards. Hold-down. Flights fitted with a round top.
Application:	Light to medium transportation, Red meat, poultry, seafood and transportation of raw materials (for further processing).
Standard widths:	Increments of 20 mm, e.g. 100, 120 mm etc

Sprocket Data

No. of teeth	A= Outside diameter	B= Pitch-diameter	C= Inside-diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
6	111	89	73	20	20/25/30/40	¾/1/1¼	25 /40	1½
8	144	122	106	35	25/30/40	1/1¼	25/40	1½
10	178	156	140	35	25/30/40/50/60	1/1¼	25/40/60	1½/2½
12	211	189	173	35	25/30/40/50/60	1/1¼	25/40/60	1½/2½



S. 50-838



Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Polyethylene (PE)	1200	8
Polypropylene (PP)	1400	8
Polyacetal (POM)	2060	12

Belt surface:	Structure top with 3 mm cones.
Open area:	Closed.
Strength:	The right belt for medium-heavy transportation.
Material/colour:	PE/nat, PP/white and grey. POM/blue.
Cleanability:	Excellent. FSIS.
Accessories:	25, 50, 75 and 100 mm flights. 75 and 150 mm supported flights. Scoop and bent flights. 50, 75, 100 and 150 mm side guards. Hold-down. Flights fitted with a round top.
Application:	Seafood, red meat, vegetable, sweets etc.
Standard widths:	Increments of 20 mm, e.g. 100, 120 mm etc

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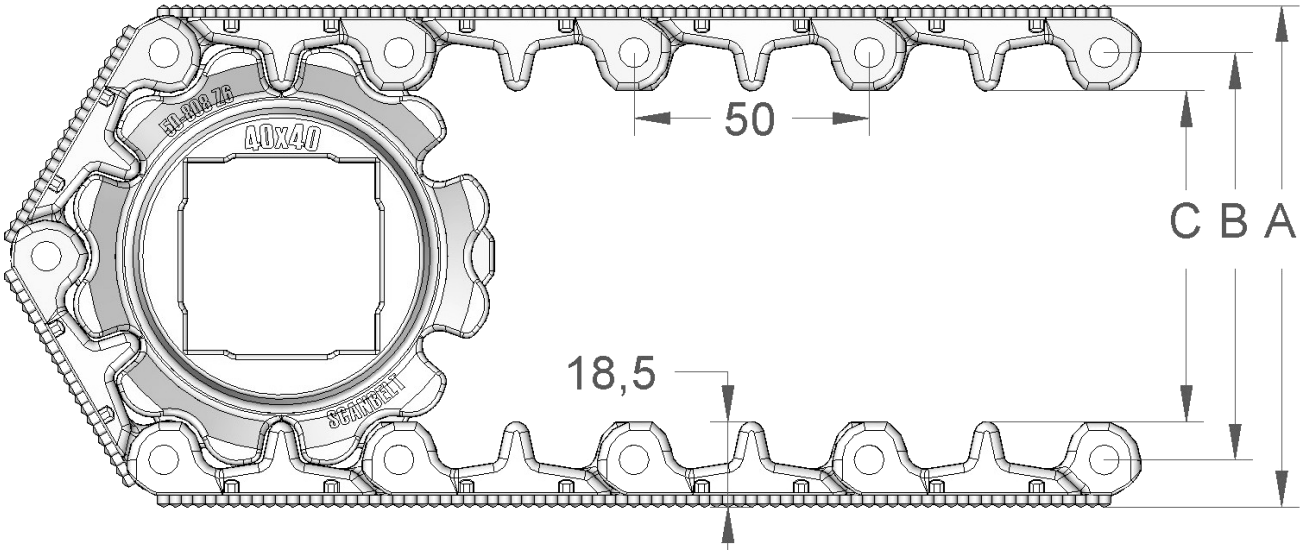
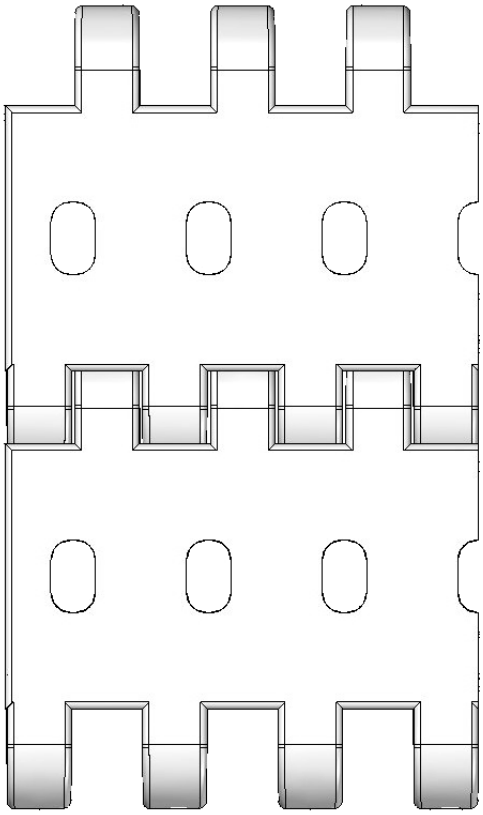
Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch-diameter	C= Inside-diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
6	108	89	73	20	20/25/30/40	¾/1/1¼	25 /40	1½
8	142	122	106	35	25/30/40	1/1¼	25/40	1½
10	176	156	140	35	25/30/40	1/1¼	25/40/60	1½/2½
12	209	189	173	35	25/30/40/50/60	1/1¼	25/40/60	1½/2½



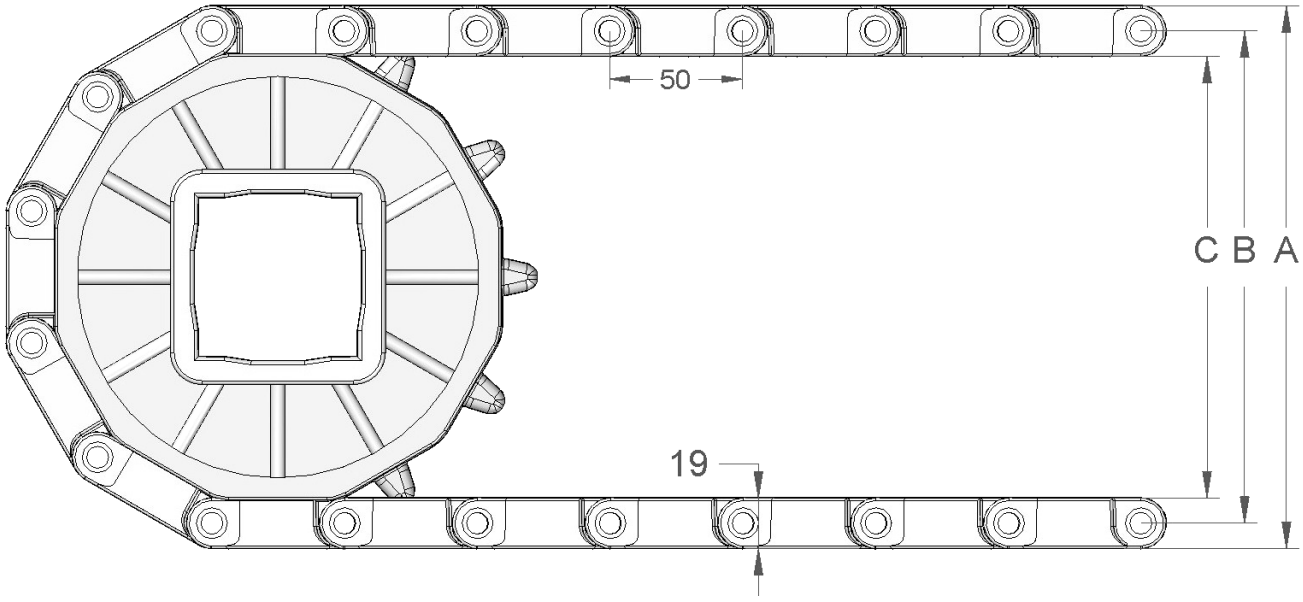
S. 50-906



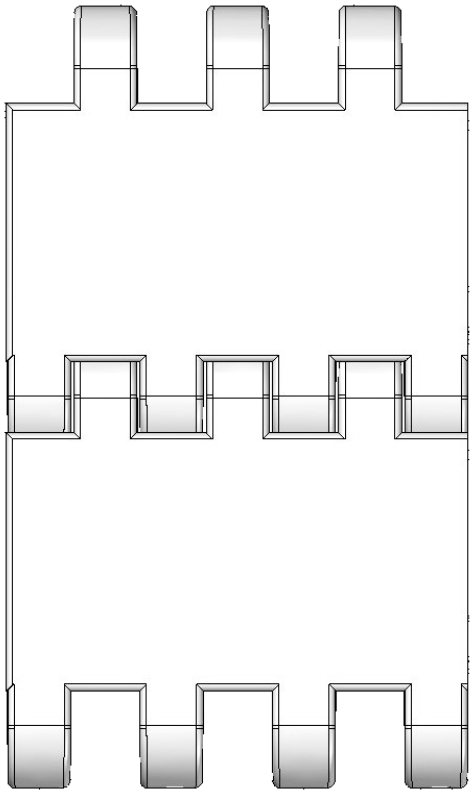
Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Polyethylene (PE)	4800	13
Polypropylene (PP)	6000	13
Polyacetal (POM)	10250	19

Belt surface:	Perforated flat top.
Open area:	13 %. Biggest opening 7 x 11 mm.
Strength:	The right belt for very heavy applications.
Material/colour:	PP, POM/black.
Cleanability:	Good.
Accessories:	25 mm flight, 50, 60 mm comb flight
Application:	Very heavy transportation. Assembling belt for cars. Truck loading systems.
Standard widths:	Increments of 20 mm, e.g. 100, 120 mm etc

Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch-diameter	C= Inside-diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
12	210	191	172	40	40/60		60/80/90	
16	273	254	235	40	40/60		60/80/90	
18	307	288	269	40	40/60		60/80/90	



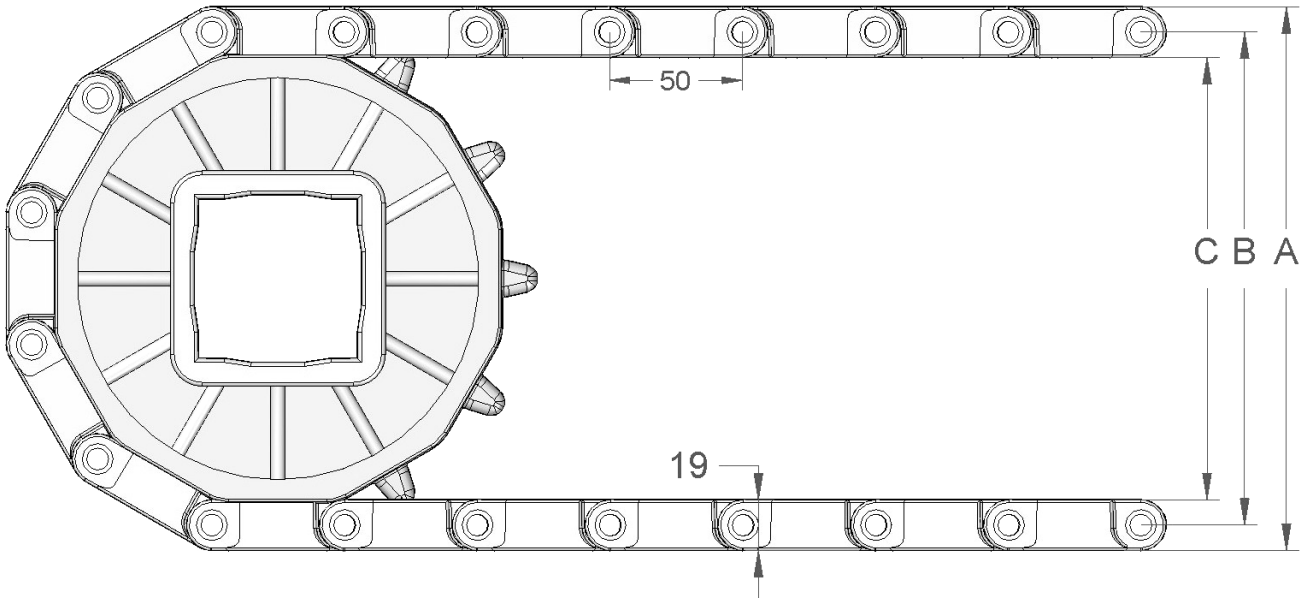
S. 50-908



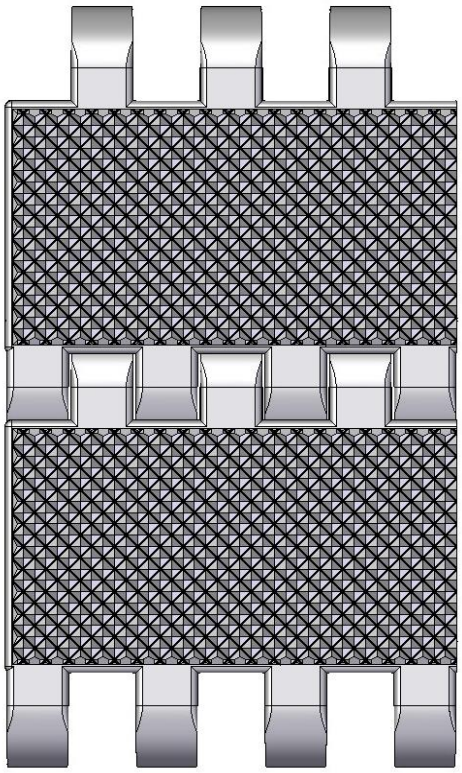
Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Polyethylene (PE)	4800	13
Polypropylene (PP)	6000	14
Polyacetal (POM)	10250	21

Belt surface:	Closed flat top.
Open area:	Closed.
Strength:	The right belt for very heavy applications.
Material/colour:	PP, POM/black.
Cleanability:	Good.
Accessories:	25 mm flight, 50, 60 mm comb flight
Application:	Very heavy transportation. Assembling belt for cars. Truck loading systems.
Standard widths:	Increments of 20 mm, e.g. 100, 120 mm etc

Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch-diameter	C= Inside-diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
12	210	191	172	40	40/60		60/80/90	
16	273	254	235	40	40/60		60/80/90	
18	307	288	269	40	40/60		60/80/90	



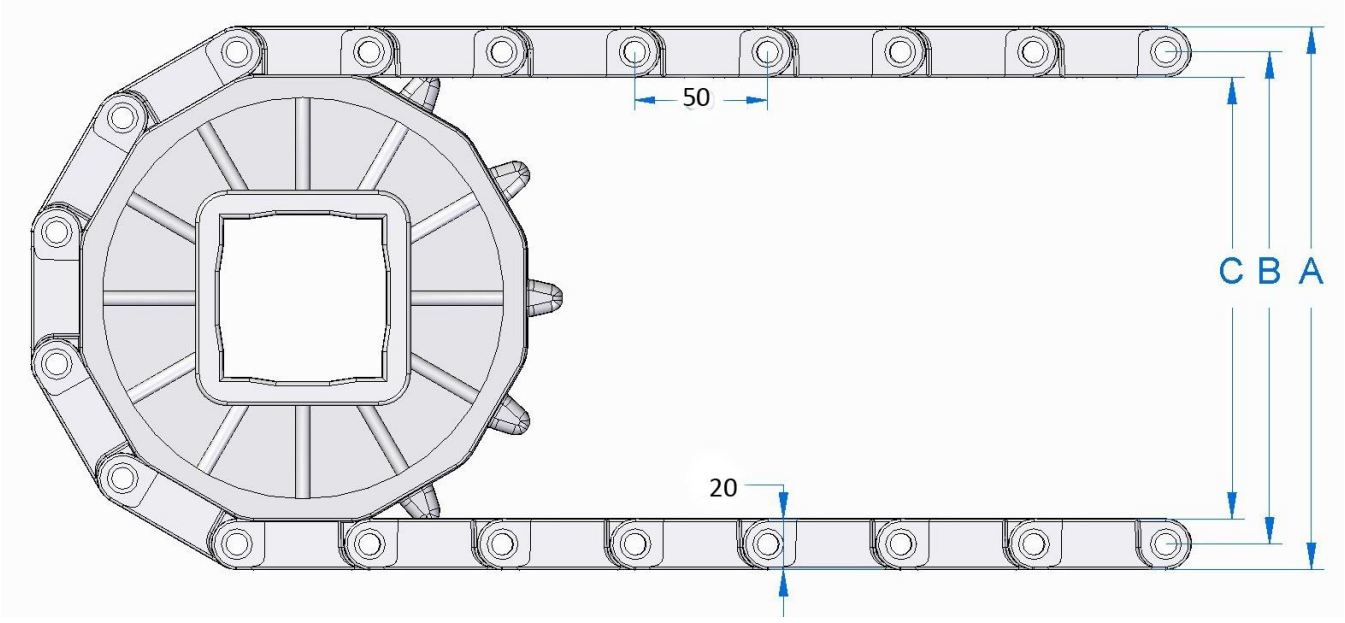
S. 50-918



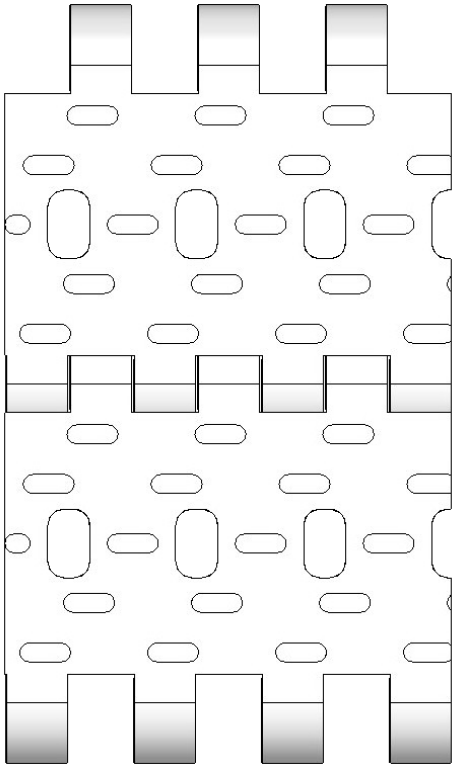
Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Polyethylene (PE)	4800	13
Polypropylene (PP)	6000	14
Polyacetal (POM)	10250	21

Belt surface:	Closed with 1 mm rough top.
Open area:	Closed.
Strength:	The right belt for very heavy applications.
Material/colour:	PP, POM/black.
Cleanability:	Good.
Accessories:	25 mm flight, 50, 60 mm comb flight
Application:	Very heavy transportation. Assembling belt for cars. Truck loading systems.
Standard widths:	Increments of 20 mm, e.g. 100, 120 mm etc

Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch-diameter	C= Inside-diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
12	212	191	172	40	40/60		60/80/90	
16	275	254	235	40	40/60		60/80/90	
18	309	288	269	40	40/60		60/80/90	



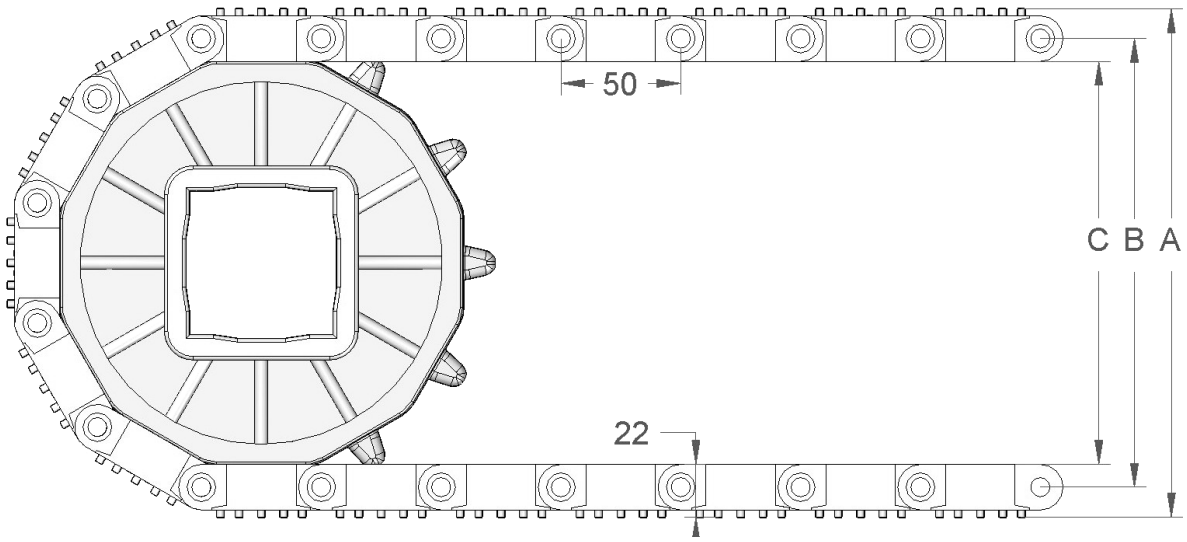
S. 50-930



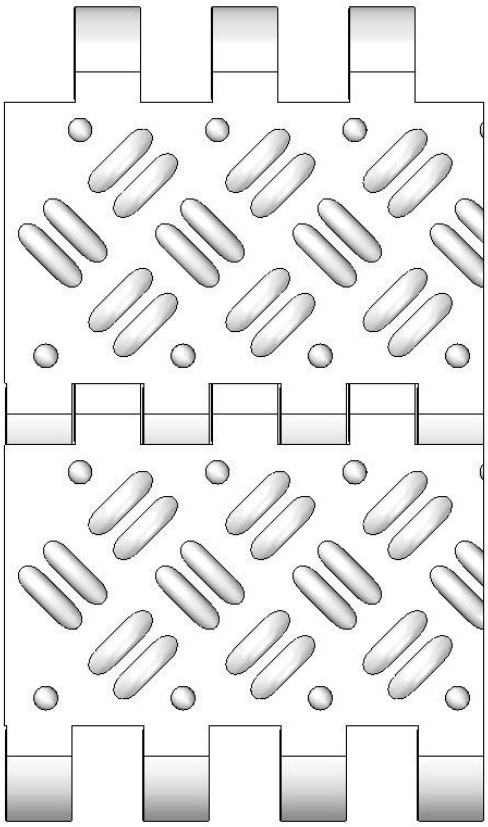
Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Polyethylene (PE)	4800	14
Polypropylene (PP)	6000	14
Polyacetal (POM)	10250	21

Belt surface:	Perforated flat top with 3 mm flights.
Open area:	13 %. Biggest opening 7 x 11 mm.
Strength:	The right belt for very heavy applications.
Material/colour:	PP, POM/black.
Cleanability:	Good.
Accessories:	25 mm flight, 50, 60 mm comb flight
Application:	Very heavy transportation. Assembling belt for cars. Truck loading systems.
Standard widths:	Increments of 20 mm, e.g. 100, 120 mm etc.

Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch-diameter	C= Inside-diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
12	216	191	172	40	40/60		60/80/90	
16	279	254	235	40	40/60		60/80/90	
18	313	288	269	40	40/60		60/80/90	



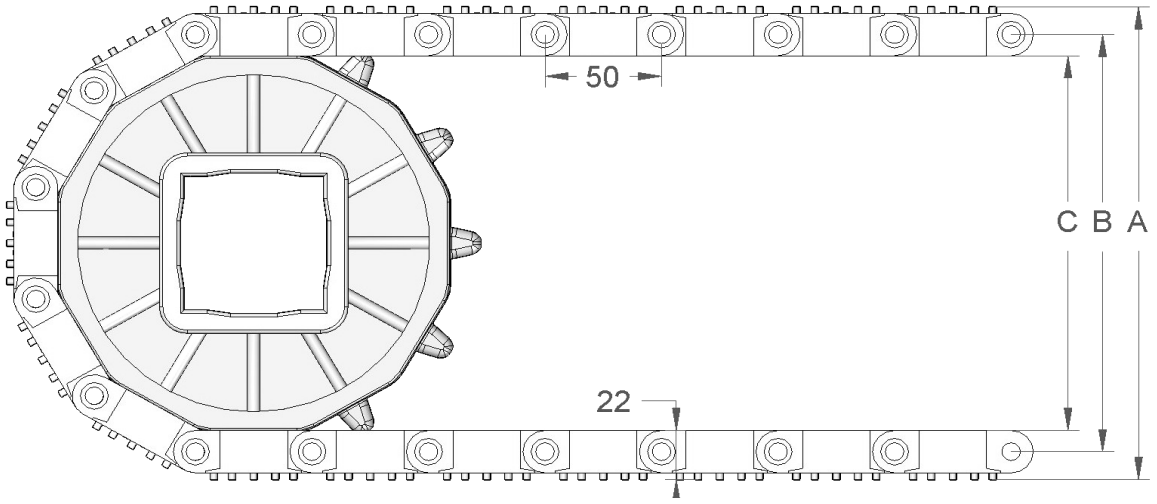
S. 50-938



Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Polyethylene (PE)	4800	14
Polypropylene (PP)	6000	14
Polyacetal (POM)	10250	21

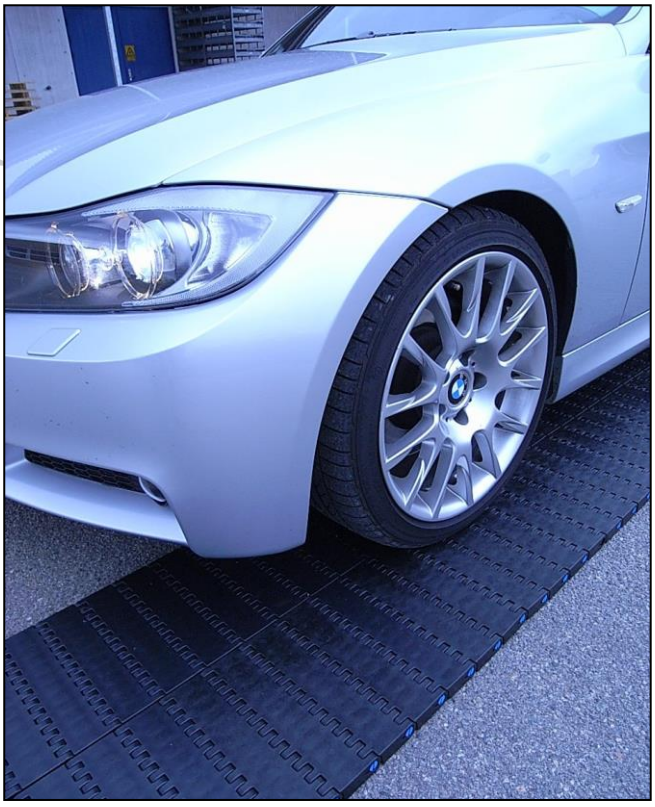
Belt surface:	Closed with 3 mm non skid pattern.
Open area:	Closed.
Strength:	The right belt for very heavy applications.
Material/colour:	PP, POM/black.
Cleanability:	Good.
Accessories:	25 mm flight, 50, 60 mm comb flight
Application:	Very heavy transportation. Assembling belt for cars. Truck loading systems.
Standard widths:	Increments of 20 mm, e.g. 100, 120 mm etc.

Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch-diameter	C= Inside-diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
12	216	191	172	40	40/60		60/80/90	
16	279	254	235	40	40/60		60/80/90	
18	313	288	269	40	40/60		60/80/90	

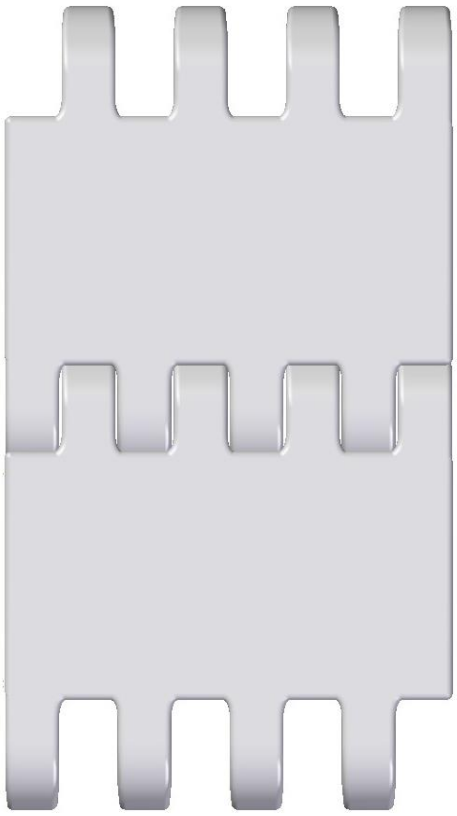


5. Belt S. 75

Pitch 75 mm.



S. 75-908

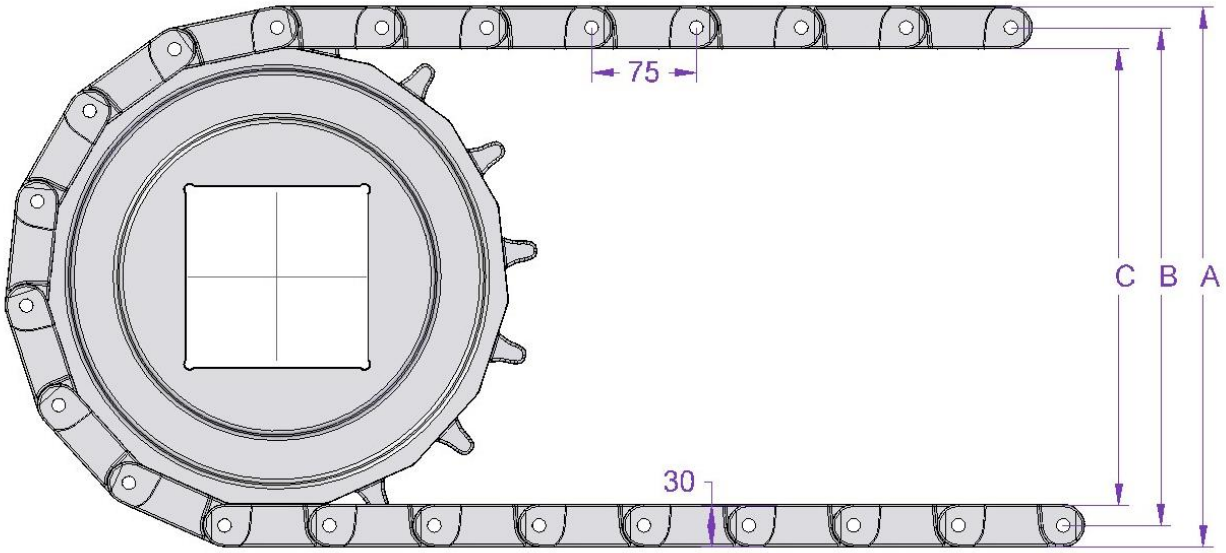


Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Polypropylen (PP)	10.000	22
Polyacetal (POM)	16.000	33

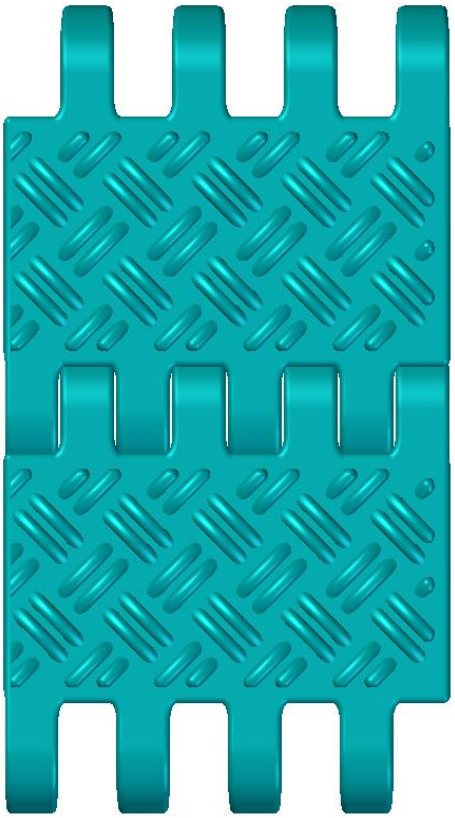
Belt surface:	Closed flat top.
Open area:	Closed.
Strength:	The right belt for very heavy applications.
Material/colour:	PP, POM/black & Yellow.
Cleanability:	Good.
Accessories:	50 mm finger flight. Side Guards 40mm.
Application:	Very heavy transportation. Assembling belt for cars. Truck loading systems.
Standard widths:	Increments of 25 mm, e.g. 100, 125 mm etc

Registered Trademark ®

Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch-diameter	C= Inside-diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
upon request								
12	310	280	250	40	40/60		60/80/90	



S. 75-938

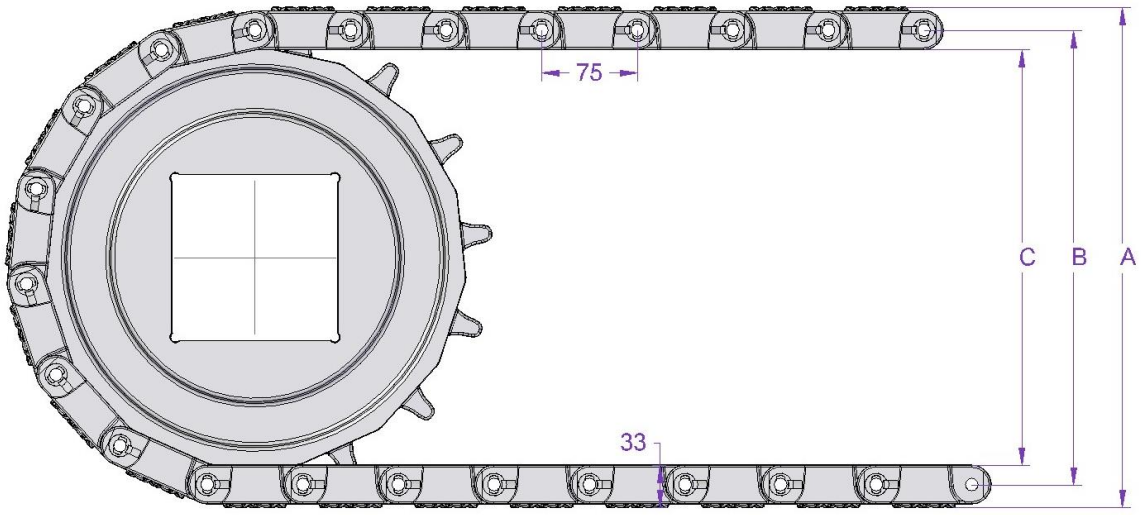


Registered Trademark ®

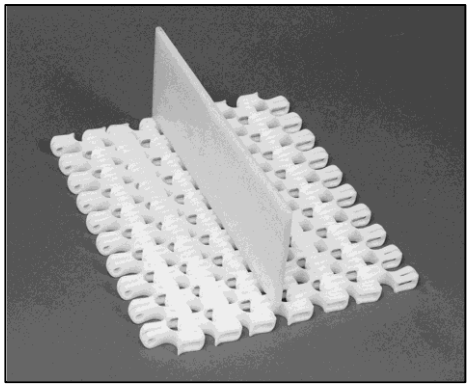
Belt data		
Materials	Max. belt pull kg/m of width	Belt weight kg/m^2
Polypropylen (PP) Polyacetal (POM)	10.000 16.000	22 33

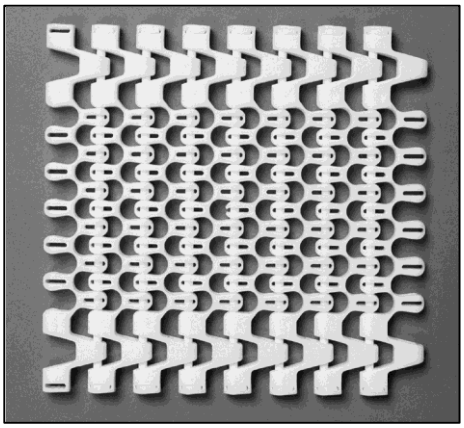
Belt surface:	Closed with 3 mm non skid pattern.
Open area:	Closed.
Strength:	The right belt for very heavy applications.
Material/colour:	PP, POM/black & Yellow.
Cleanability:	Good.
Accessories:	50 mm finger flight. Side Guards 40mm.
Application:	Very heavy transportation. Assembling belt for cars. Truck loading systems.
Standard widths:	Increments of 25 mm, e.g. 100, 125 mm etc

Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch-diameter	C= Inside-diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
upon request 12	314	280	250	40	40/60		60/80/90	

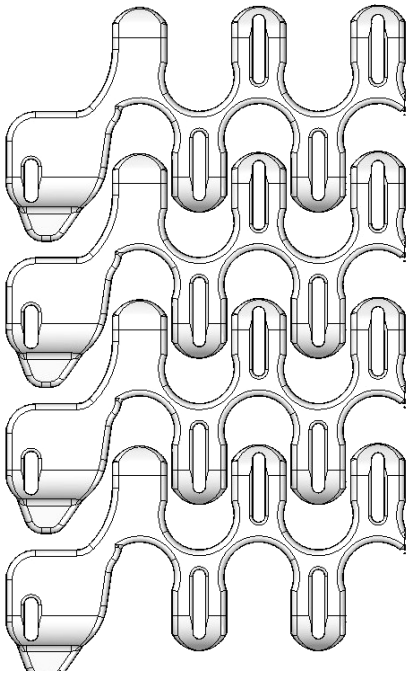


6. S. 25 Radius Belt





S. 101

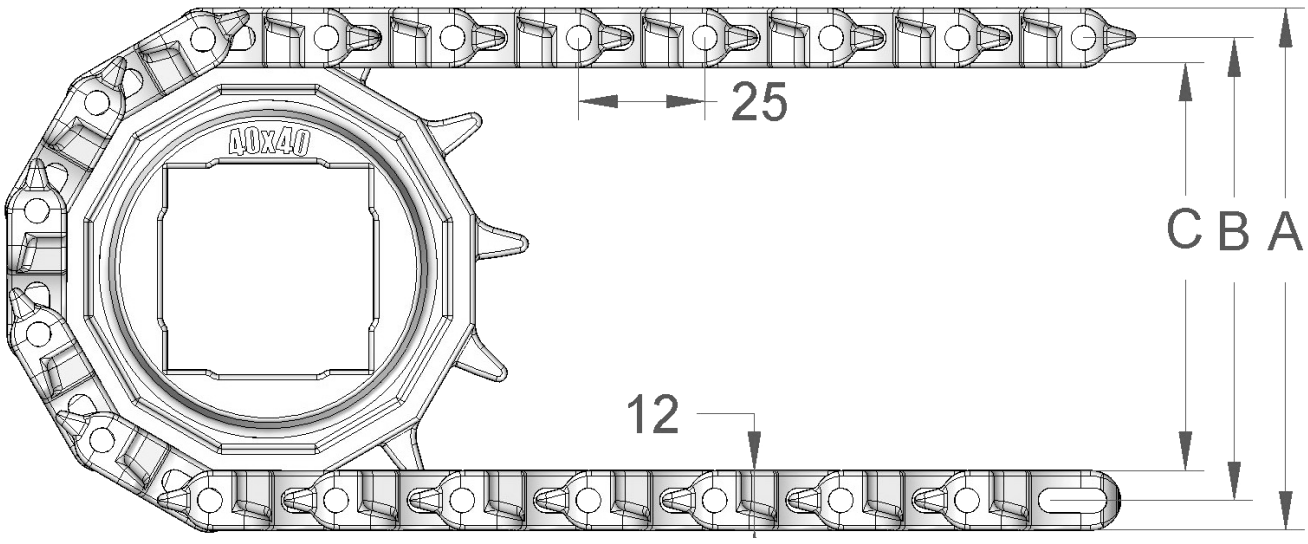


Belt data.			
Belt material	Rods	Max. belt pull (kg).	Belt weight (kg/m²).
Polyacetal (POM)	PP Nylon	75 120	7 7
Polypropylene (PP)	PP Nylon	60 90	4.5 4.5

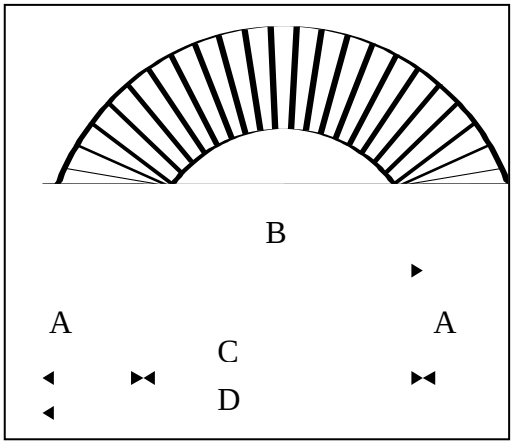
Belt surface:	Smooth.
Open area:	52 %
Strength:	The ideal choice for medium weight.
Material/colour:	POM, PP
Cleanability:	Good
Accessories:	25, 50 and 75 mm flights, friction top, hooks or tabs.
Application:	Spiral coolers, radius conveyors.
Contruction:	Side modules, centre modules.
Width interval:	Normally 20 mm. E.g: 210 mm, 230 mm etc.
Inner radius:	Collapse factor – see next page.

Registered Trademark ®

Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch-diameter	C= Inside-diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
8	78	66	54	20	20/25	¾/1	25	
12	108	96	84	20	20/25/30/40	¾/1/1¼	25/40	1½
20	173	161	149	35	25/30/40	1/1¼	25/40	1½



S. 101 25 mm radius belt dimensions



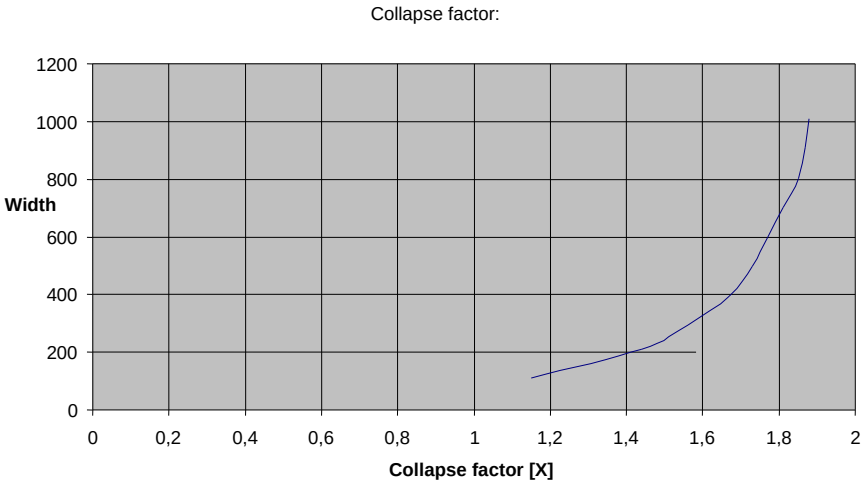
A = Standard belt width
B = Inner radius
C = Inner diameter
D = Outer diameter

A	**107**	**210**	**292**	**394**	**497**	**600**	**702**	**805**	**907**	**1011**
B	150	300	450	650	850	1035	1250	1460	1680	1905
C	300	600	900	1300	1700	2070	2500	2920	3360	3810
D	514	1020	1484	2088	2994	3270	3904	4530	5174	5832

Standard width – Radius belts

Belt width.	Min.inner radius.	Belt width.	Min.inner radius
107	150	**600**	1035
128	180	620	1075
148	210	641	1115
169	240	662	1160
189	270	682	1205
210	300	**702**	1250
230	330	723	1290
251	370	744	1330
271	410	764	1370
292	450	785	1415
312	490	**805**	1460
333	530	826	1505
353	570	846	1550
374	610	867	1595
394	650	887	1635
414	690	**907**	1680
435	730	928	1725
455	770	949	1770
477	810	970	1815
497	850	990	1860
518	885	**1011**	1905
538	920	1114	2125
559	960	1217	2350
579	1000	1320	2595

S-101

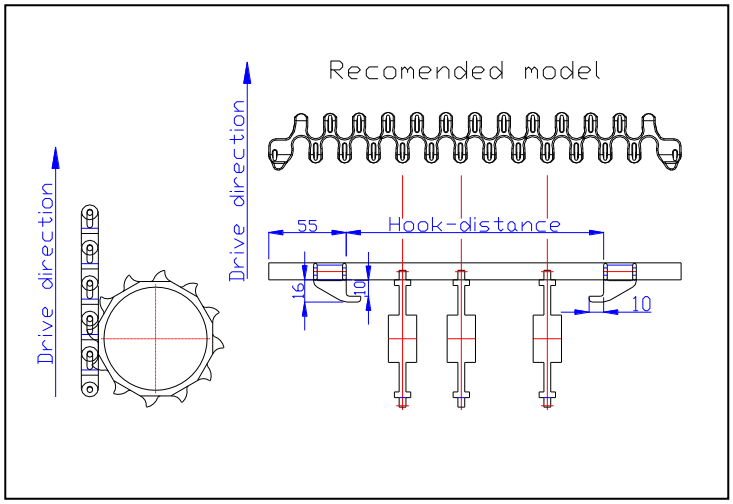


Collapse factor = $\frac{\text{min. inner radius}}{\text{belt width}}$

Min. inner radius = collapse factor x belt width.

Hook measurement for S. 101 Turned inside

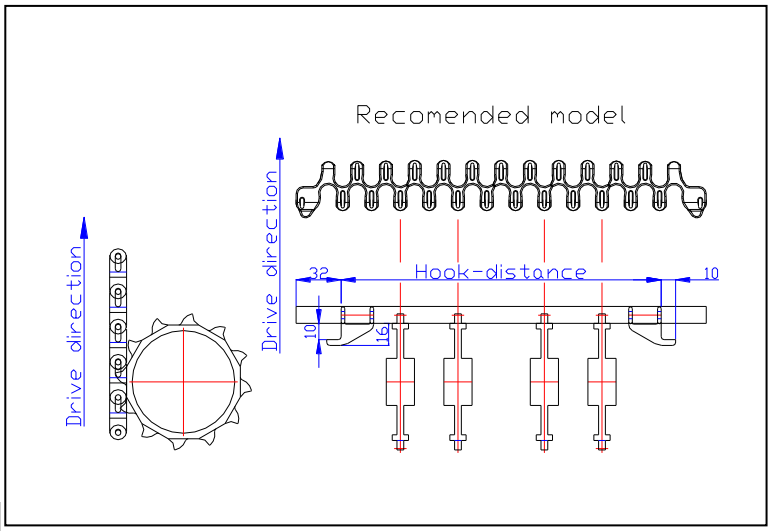
S.101 – Distance for hooks turned inside – (mm)



Belt width	Hook Distance
128	-
148	- 38
169	- - 59
189	- 38 - 79
210	- - 59 - 100
230	- 38 - 79 - 120
251	- - 59 - 100 - 141
271	- 38 - 79 - 120 - 161
292	- - 59 - 100 - 141 - 182
312	- 38 - 79 - 120 - 161 - 202
333	- - 59 - 100 - 141 - 182 - 223
353	- 38 - 79 - 120 - 161 - 202 - 243
374	- - 59 - 100 - 141 - 182 - 223 - 264
394	- 38 - 79 - 120 - 161 - 202 - 243 - 284
414	- - 59 - 100 - 141 - 182 - 223 -- 264 - 304
435	- 38 - 79 - 120 - 161 - 202 - 243 - 284 - 325
455	- - 59 - 100 - 141 - 182 - 223 - 264 - 304 - 345
477	- 38 - 79 - 120 - 161 - 202 - 243 - 284 - 325 - 367
497	- - 59 - 100 - 141 - 182 - 223 - 264 - 304 - 345 - 387
518	- 38 - 79 - 120 - 161 - 202 - 243 - 284 - 325 - 367 - 408
538	- - 59 - 100 - 141 - 182 - 223 - 264 - 304 - 345 - 387 - 428
559	- 38 - 79 - 120 - 161 - 202 - 243 - 284 - 325 - 367 - 408 - 449
579	- - 59 - 100 - 141 - 182 - 223 - 264 - 304 - 345 - 387 - 428 - 469
600	- 38 - 79 - 120 - 161 - 202 - 243 - 284 - 325 - 367 - 408 - 449 - 490
620	- - 59 - 100 - 141 - 182 - 223 - 264 - 304 - 345 - 387 - 428 - 469 - 510
641	- 38 - 79 - 120 - 161 - 202 - 243 - 284 - 325 - 367 - 408 - 449 - 490 - 531
662	- - 59 - 100 - 141 - 182 - 223 - 264 - 304 - 345 - 387 - 428 - 469 - 510 - 552
682	- 38 - 79 - 120 - 161 - 202 - 243 - 284 - 325 - 367 - 408 - 449 - 490 - 531 - 572
702	- - 59 - 100 - 141 - 182 - 223 - 264 - 304 - 345 - 387 - 428 - 469 - 510 - 552 - 592
723	- 38 - 79 - 120 - 161 - 202 - 243 - 284 - 325 - 367 - 408 - 449 - 490 - 531 - 572 - 613
744	- - 59 - 100 - 141 - 182 - 223 - 264 - 304 - 345 - 387 - 428 - 469 - 510 - 552 - 592 - 634
764	- 38 - 79 - 120 - 161 - 202 - 243 - 284 - 325 - 367 - 408 - 449 - 490 - 531 - 572 - 613 - 654
785	- - 59 - 100 - 141 - 182 - 223 - 264 - 304 - 345 - 387 - 428 - 469 - 510 - 552 - 592 - 634 - 675
805	- 38 - 79 - 120 - 161 - 202 - 243 - 284 - 325 - 367 - 408 - 449 - 490 - 531 - 572 - 613 - 654 - 695
826	- - 59 - 100 - 141 - 182 - 223 - 264 - 304 - 345 - 387 - 428 - 469 - 510 - 552 - 592 - 634 - 675 - 716
846	- 38 - 79 - 120 - 161 - 202 - 243 - 284 - 325 - 367 - 408 - 449 - 490 - 531 - 572 - 613 - 654 - 695 - 736
867	- - 59 - 100 - 141 - 182 - 223 - 264 - 304 - 345 - 387 - 428 - 469 - 510 - 552 - 592 - 634 - 675 - 716 - 757
887	- 38 - 79 - 120 - 161 - 202 - 243 - 284 - 325 - 367 - 408 - 449 - 490 - 531 - 572 - 613 - 654 - 695 - 736 - 777
907	- - 59 - 100 - 141 - 182 - 223 - 264 - 304 - 345 - 387 - 428 - 469 - 510 - 552 - 592 - 634 - 675 - 716 - 757 - 797
928	- 38 - 79 - 120 - 161 - 202 - 243 - 284 - 325 - 367 - 408 - 449 - 490 - 531 - 572 - 613 - 654 - 695 - 736 - 777 - 818
949	- - 59 - 100 - 141 - 182 - 223 - 264 - 304 - 345 - 387 - 428 - 469 - 510 - 552 - 592 - 634 - 675 - 716 - 757 - 797 - 839
970	- 38 - 79 - 120 - 161 - 202 - 243 - 284 - 325 - 367 - 408 - 449 - 490 - 531 - 572 - 613 - 654 - 695 - 736 - 777 - 818 - 860
990	- - 59 - 100 - 141 - 182 - 223 - 264 - 304 - 345 - 387 - 428 - 469 - 510 - 552 - 592 - 634 - 675 - 716 - 757 - 797 - 839 - 880
1011	- 38 - 79 - 120 - 161 - 202 - 243 - 284 - 325 - 367 - 408 - 449 - 490 - 531 - 572 - 613 - 654 - 695 - 736 - 777 - 818 - 860 - 901
	- - 59 - 100 - 141 - 182 - 223 - 264 - 304 - 345 - 387 - 428 - 469 - 510 - 552 - 592 - 634 - 675 - 716 - 757 - 797 - 839 - 880 -

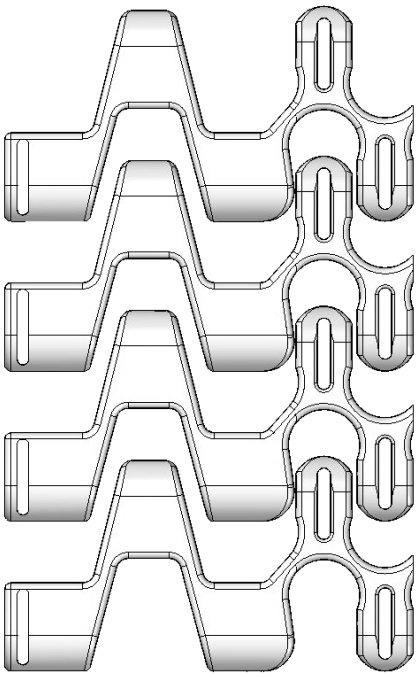
Hook measurement for S. 101 Turned outside

S.101 – Distance for hooks turned outside – (mm)



Belt width	Hook Distance
128	64
148	- 84
169	64 - 105
189	- 84 - 125
210	64 - 105 - 146
230	- 84 - 125 - 167
251	64 - 105 - 146 - 188
271	- 84 - 125 - 167 - 208
292	64 - 105 - 146 - 188 - 229
312	- 84 - 125 - 167 - 208 - 249
333	64 - 105 - 146 - 188 - 229 - 270
353	- 84 - 125 - 167 - 208 - 249 - 290
374	64 - 105 - 146 - 188 - 229 - 270 - 311
394	- 84 - 125 - 167 - 208 - 249 - 290 - 331
414	64 - 105 - 146 - 188 - 229 - 270 - 311 - 351
435	- 84 - 125 - 167 - 208 - 249 - 290 - 331 - 372
455	64 - 105 - 146 - 188 - 229 - 270 - 311 - 351 - 392
477	- 84 - 125 - 167 - 208 - 249 - 290 - 331 - 372 - 413
497	64 - 105 - 146 - 188 - 229 - 270 - 311 - 351 - 392 - 433
518	- 84 - 125 - 167 - 208 - 249 - 290 - 331 - 372 - 413 - 454
538	64 - 105 - 146 - 188 - 229 - 270 - 311 - 351 - 392 - 433 - 474
559	- 84 - 125 - 167 - 208 - 249 - 290 - 331 - 372 - 413 - 454 - 495
579	64 - 105 - 146 - 188 - 229 - 270 - 311 - 351 - 392 - 433 - 474 - 515
600	- 84 - 125 - 167 - 208 - 249 - 290 - 331 - 372 - 413 - 454 - 495 - 536
620	64 - 105 - 146 - 188 - 229 - 270 - 311 - 351 - 392 - 433 - 474 - 515 - 556
641	- 84 - 125 - 167 - 208 - 249 - 290 - 331 - 372 - 413 - 454 - 495 - 536 - 577
662	64 - 105 - 146 - 188 - 229 - 270 - 311 - 351 - 392 - 433 - 474 - 515 - 556 - 598
682	- 84 - 125 - 167 - 208 - 249 - 290 - 331 - 372 - 413 - 454 - 495 - 536 - 577 -8 618
702	64 - 105 - 146 - 188 - 229 - 270 - 311 - 351 - 392 - 433 -- 474 - 515 - 556 - 598 - 638
723	- 84 - 125 - 167 - 208 - 249 - 290 - 331 - 372 - 413 - 454 - 495 - 536 - 577 - 618 - 659
744	64 - 105 - 146 - 188 - 229 - 270 - 311 - 351 - 392 - 433 - 474 - 515 - 556 - 598 - 638 - 680
764	- 84 - 125 - 167 - 208 - 249 - 290 - 331 - 372 - 413 - 454 - 495 - 536 - 577 - 618 - 659 - 700
785	64 - 105 - 146 - 188 - 229 - 270 - 311 - 351 - 392 - 433 - 474 - 515 - 556 - 598 -- 638 - 680 - 721
805	- 84 - 125 - 167 - 208 - 249 - 290 - 331 - 372 - 413 - 454 - 495 - 536 - 577 - 618 - 659 - 700 - 741
826	64 - 105 - 146 - 188 - 229 - 270 - 311 - 351 - 392 -- 433 - 474 - 515 - 556 - 598 - 638 - 680 - 721 - 762
846	- 84 - 125 - 167 - 208 - 249 - 290 - 331 - 372 - 413 - 454 - 495 - 536 - 577 - 618 - 659 - 700 - 741 - 782
867	64 - 105 - 146 - 188 - 229 - 270 - 311 - 351 - 392 - 433 - 474 - 515 - 556 - 598 - 638 - 680 - 721 - 762 - 803
887	- 84 - 125 - 167 - 208 - 249 - 290 - 331 - 372 - 413 - 454 - 495 - 536 - 577 - 618 - 659 - 700 - 741 - 782 - 823
907	64 - 105 - 146 - 188 - 229 - 270 - 311 - 351 - 392 - 433 - 474 - 515 - 556 - 598 - 638 - 680 - 721 - 762 - 803 - 843
928	- 84 - 125 - 167 - 208 - 249 - 290 - 331 - 372 - 413 - 454 - 495 - 536 - 577 - 618 - 659 - 700 - 741 - 782 - 823 - 864
949	64 - 105 - 146 - 188 - 229 - 270 - 311 - 351 - 392 - 433 - 474 - 515 - 556 - 598 - 638 - 680 -- 721 - 762 - 803 - 843 - 885
970	- 84 - 125 - 167 - 208 - 249 - 290 - 331 - 372 - 413 - 454 - 495 - 536 - 577 - 618 - 659 - 700 - 741 - 782 - 823 - 864 - 906
990	64 - 105 - 146 - 188 - 229 - 270 - 311 - 351 - 392 - 433 - 474 - 515 - 556 - 598 - 638 - 680 - 721 - 762 - 803 - 843 - 885 - 926
1011	- 84 - 125 - 167 - 208 - 249 - 290 - 331 - 372 - 413 - 454 - 495 - 536 - 577 - 618 - 659 - 700 - 741 - 782 - 823 - 864 - 906 - 947
	64 - 105 - 146 - 188 - 229 - 270 - 311 - 351 - 392 - 433 - 474 - 515 - 556 - 598 - 638 - 680 - 721 - 762 - 803 - 843 - 885 - 926 947

S. 100R

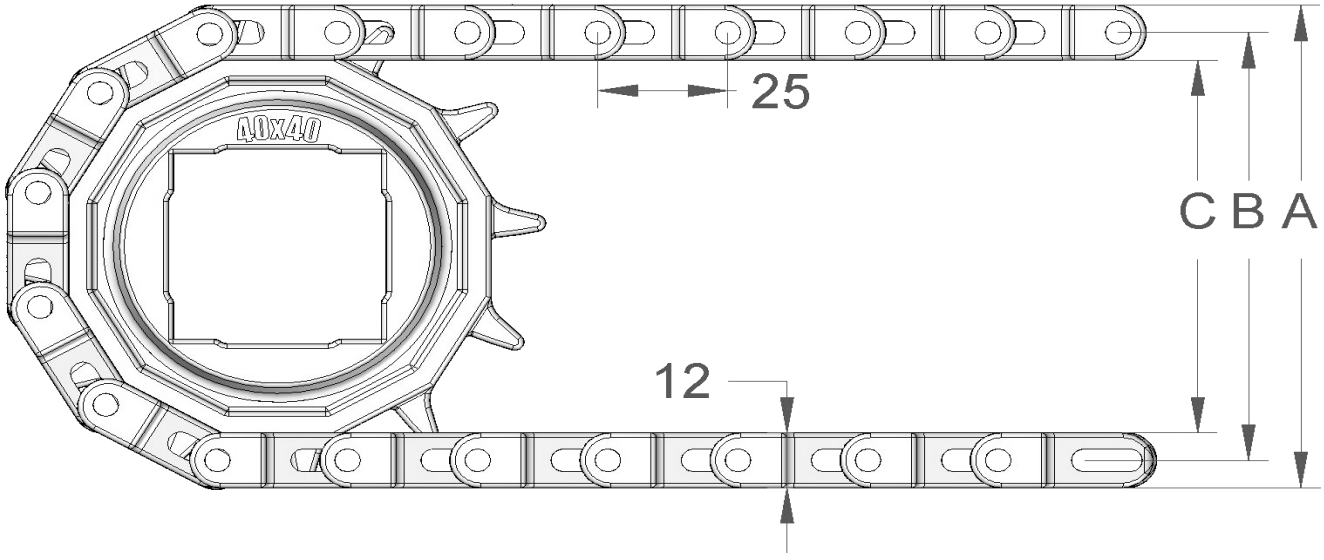


Belt data.			
Belt material	Rods	Max. belt pull (kg).	Belt weight (kg/m²).
Polyacetal (POM)	PP Nylon Steel	75 110 150	7 7 12
Polypropylene (PP)	PP Nylon Steel	60 90 100	4.5 4.5 10

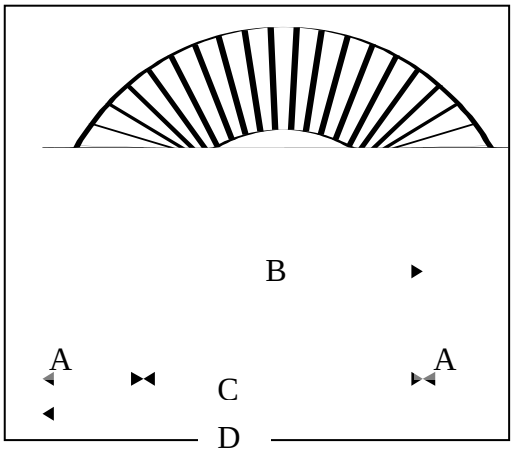
Belt surface: Smooth.
Open area: 52 %
Strength: The ideal choice for medium weight.
Material/colour: POM, PP
Cleanability: Good
Accessories: 25, 50 and 75 mm flights, 25 mm side guards, Friction top, hooks and steel reinforcements.
Application: Spiral coolers, radius conveyors.
Construction: Side modules, centre modules.
Width interval: Normally 20 mm. E.g: 209 mm, 229 mm etc.
Inner radius: Collapse factor from 1,5

Registered Trademark ®

Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch-diameter	C= Inside-Diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
8	78	66	54	20	20/25	¾/1	25/	
12	108	96	84	20	20/25/30/40	¾/1/1¼	25/40	1½
20	173	161	149	35	25/30/40	1/1¼	25/40	1½



S.100 R 25 mm radius belt dimensions

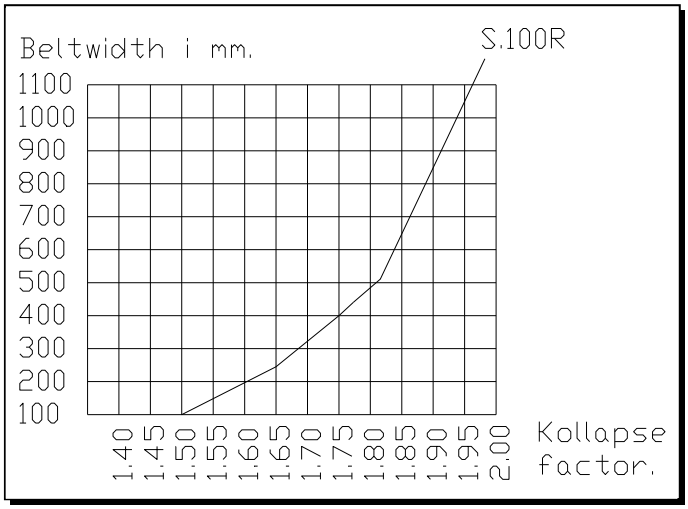


A = Standard belt width
B = Inner radius
C = Inner diameter
D = Outer diameter

Standard width – Radius belts	
S – 100R	**S – 100R**
127	741
147	761
168	**782**
188	802
209	823
229	843
250	864
270	**884**
291	904
311	925
332	945
352	966
373	**986**
393	1007
413	**1088**
433	1190
453	1210
475	**1294**
495	1314
516	
536	
557	
577	
598	
618	
638	
659	
679	
699	
720	

S-100R

A	**209**	**270**	**373**	**475**	**577**	**679**	**782**	**884**	**986**	**1088**
B	343	451	645	845	1061	1263	1470	1697	1903	2143
C	686	902	1290	1690	2122	2526	2940	3394	3806	4286
D	1104	1442	2036	2640	3276	3884	4504	5162	5778	6462



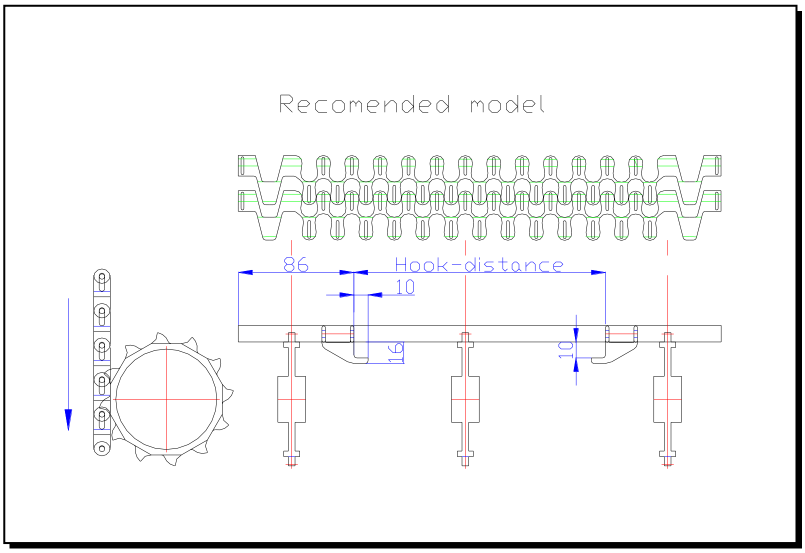
Collapse factor = $\frac{\text{min. inner radius}}{\text{belt width}}$

Min. inner radius = collapse factor x belt width.

Hook measurement for S. 100R Turned inside

S.100R – Distance for hooks turned inside – (mm)

Belt width

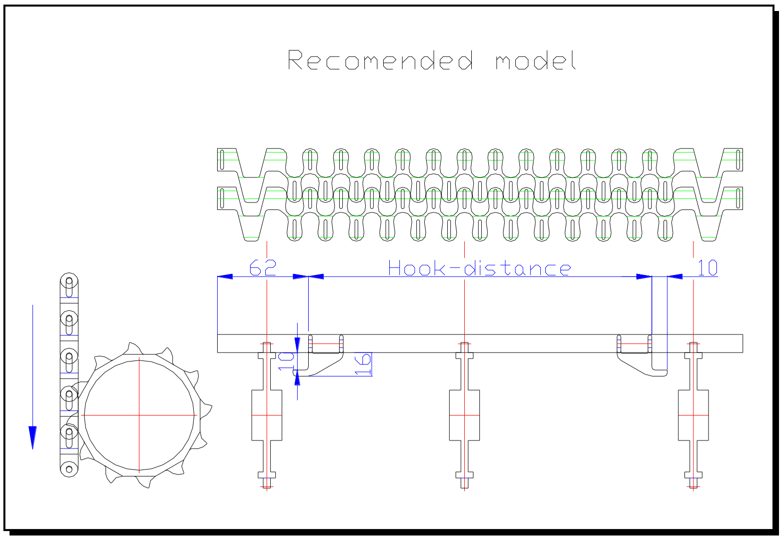


127	-																																							
147	-																																							
168	-																																							
188	-																																							
209	38																																							
229	-	58																																						
250	38	-	79																																					
270	-	58	-	99																																				
291	38	-	79	-	120																																			
311	-	58	-	99	-	140																																		
332	38	-	79	-	120	-	161																																	
352	-	58	-	99	-	140	-	181																																
373	38	-	79	-	120	-	161	-	201																															
393	-	58	-	99	-	140	-	181	-	221																														
413	38	-	79	-	120	-	161	-	201	-	242																													
433	-	58	-	99	-	140	-	181	-	221	-	262																												
453	38	-	79	-	120	-	161	-	201	-	242	-	282																											
475	-	58	-	99	-	140	-	181	-	221	-	262	-	304																										
495	38	-	79	-	120	-	161	-	201	-	242	-	282	-	324																									
516	-	58	-	99	-	140	-	181	-	221	-	262	-	304	-	345																								
536	38	-	79	-	120	-	161	-	201	-	242	-	282	-	324	-	365																							
557	-	58	-	99	-	140	-	181	-	221	-	262	-	304	-	345	-	386																						
577	38	-	79	-	120	-	161	-	201	-	242	-	282	-	324	-	365	-	406																					
598	-	58	-	99	-	140	-	181	-	221	-	262	-	304	-	345	-	386	-	427																				
618	38	-	79	-	120	-	161	-	201	-	242	-	282	-	324	-	365	-	406	-	447																			
638	-	58	-	99	-	140	-	181	-	221	-	262	-	304	-	345	-	386	-	427	-	467																		
659	38	-	79	-	120	-	161	-	201	-	242	-	282	-	324	-	365	-	406	-	447	-	488																	
679	-	58	-	99	-	140	-	181	-	221	-	262	-	304	-	345	-	386	-	427	-	467	-	508																
699	38	-	79	-	120	-	161	-	201	-	242	-	282	-	324	-	365	-	406	-	447	-	488	-	528															
720	-	58	-	99	-	140	-	181	-	221	-	262	-	304	-	345	-	386	-	427	-	467	-	508	-	549														
741	38	-	79	-	120	-	161	-	201	-	242	-	282	-	324	-	365	-	406	-	447	-	488	-	528	-	570													
761	-	58	-	99	-	140	-	181	-	221	-	262	-	304	-	345	-	386	-	427	-	467	-	508	-	549	-	590												
782	38	-	79	-	120	-	161	-	201	-	242	-	282	-	324	-	365	-	406	-	447	-	488	-	528	-	570	-	611											
802	-	58	-	99	-	140	-	181	-	221	-	262	-	304	-	345	-	386	-	427	-	467	-	508	-	549	-	590	-	631										
823	38	-	79	-	120	-	161	-	201	-	242	-	282	-	324	-	365	-	406	-	447	-	488	-	528	-	570	-	611	-	652									
843	-	58	-	99	-	140	-	181	-	221	-	262	-	304	-	345	-	386	-	427	-	467	-	508	-	549	-	590	-	631	-	672								
864	38	-	79	-	120	-	161	-	201	-	242	-	282	-	324	-	365	-	406	-	447	-	488	-	528	-	570	-	611	-	652	-	693							
884	-	58	-	99	-	140	-	181	-	221	-	262	-	304	-	345	-	386	-	427	-	467	-	508	-	549	-	590	-	631	-	672	-	714						
904	38	-	79	-	120	-	161	-	201	-	242	-	282	-	324	-	365	-	406	-	447	-	488	-	528	-	570	-	611	-	652	-	693	-	734					
925	-	58	-	99	-	140	-	181	-	221	-	262	-	304	-	345	-	386	-	427	-	467	-	508	-	549	-	590	-	631	-	672	-	714	-	754				
945	38	-	79	-	120	-	161	-	201	-	242	-	282	-	324	-	365	-	406	-	447	-	488	-	528	-	570	-	611	-	652	-	693	-	734	-	775			
966	-	58	-	99	-	140	-	181	-	221	-	262	-	304	-	345	-	386	-	427	-	467	-	508	-	549	-	590	-	631	-	672	-	714	-	754	-	795		
986	38	-	79	-	120	-	161	-	201	-	242	-	282	-	324	-	365	-	406	-	447	-	488	-	528	-	570	-	611	-	652	-	693	-	734	-	775	-	815	
1007	-	58	-	99	-	140	-	181	-	221	242	262	-	304	-	345	-	386	-	427	-	467	-	508	-	549	-	590	-	631	-	672	-	714	-	754	-	795	-	836
	38	-	79	-	120	-	161	-	201	-	242	-	282	-	324	-	365	-	406	-	447	-	488	-	528	-	570	-	611	-	632	-	693	-	734	-	775	-	815	836

Hook measurement for S. 100R Turned outside

S.100R – Distance for hooks turned outside – (mm)

Belt width



127																																									
147																																									
168																																									
188	64																																								
209	-	85																																							
229	64	-	105																																						
250	-	85	-	126																																					
270	64	-	105	-	146																																				
291	-	85	-	126	-	167																																			
311	64	-	105	-	146	-	187																																		
332	-	85	-	126	-	167	-	208																																	
352	64	-	105	-	146	-	187	-	228																																
373	-	85	-	126	-	167	-	208	-	249																															
393	64	-	105	-	146	-	187	-	228	-	269																													
413	-	85	-	126	-	167	-	208	-	249	-	289																												
434	64	-	105	-	146	-	187	-	228	-	269	-	310																											
454	-	85	-	126	-	167	-	208	-	249	-	289	-	330																										
475	64	-	105	-	146	-	187	-	228	-	269	-	310	-	351																									
495	-	85	-	126	-	167	-	208	-	249	-	289	-	330	-	371																								
516	64	-	105	-	146	-	187	-	228	-	269	-	310	-	351	-	392																							
536	-	85	-	126	-	167	-	208	-	249	-	289	-	330	-	371	-	412																						
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679	64	-	105	-	146	-	187	-	228	-	269	-	310	-	351	-	392	-	433	-	474	-	514	-	555															
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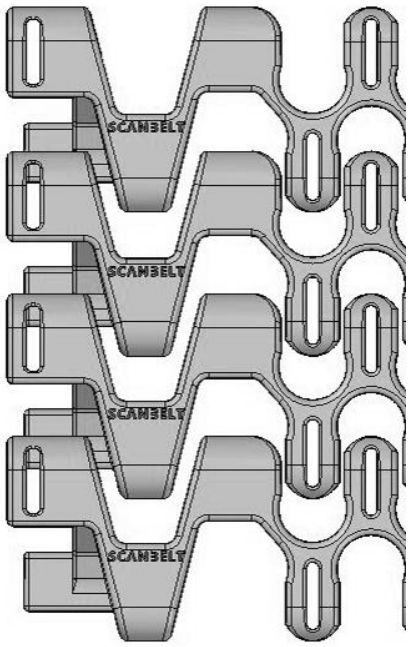
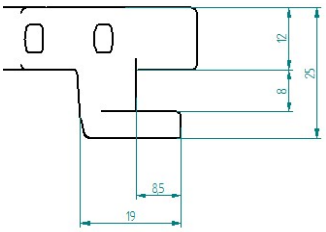
1007	64	-	105	-	146	-	187	-	228	-	269	-	310	-	351	-	392	-	433	-	474	-	514	-	555	-	596	-	637	-	678	-	719	-	760	-	801	-	842	-	883
	-	85	-	126	-	167	-	208	-	249	-	289	-	330	-	371	-	412	-	453	-	494	-	535	-	575	-	617	-	658	-	699	-	740	-	780	-	821	-	862	883

S. 100R Hook

This version has integrated hooks turned outside



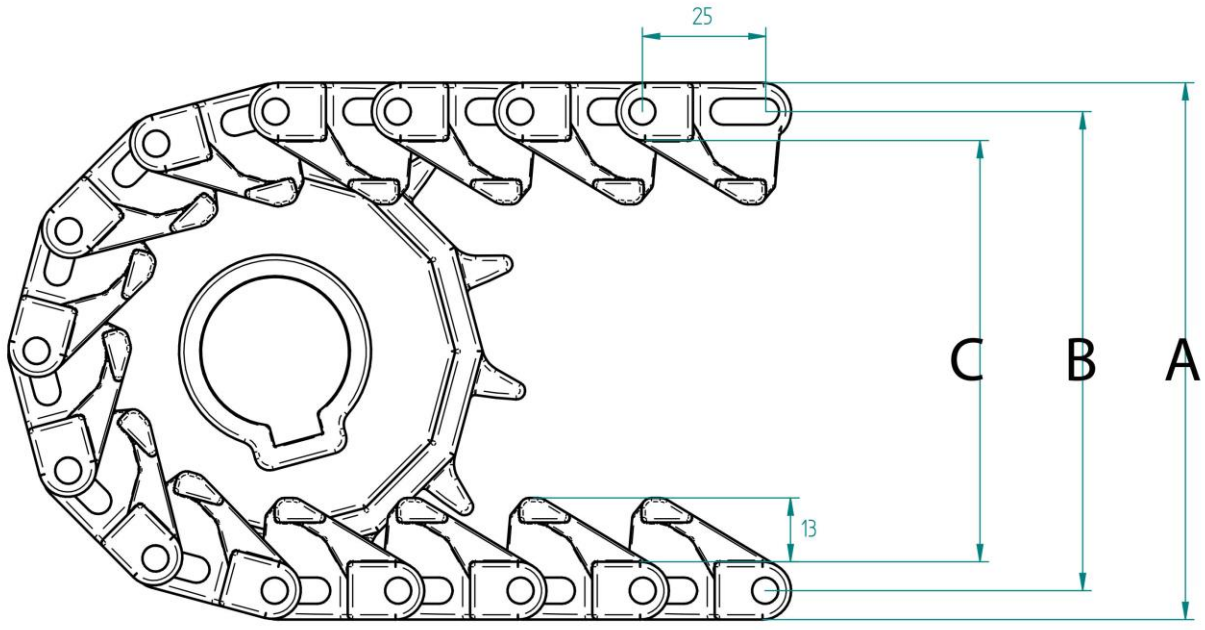


Belt data.			
Belt material	Rods	Max. belt pull (kg).	Belt weight (kg/m²).
Polyacetal (POM)	PP Nylon Steel	75 110 150	7 7 12
Polypropylene (PP)	PP Nylon Steel	60 90 100	4.5 4.5 10

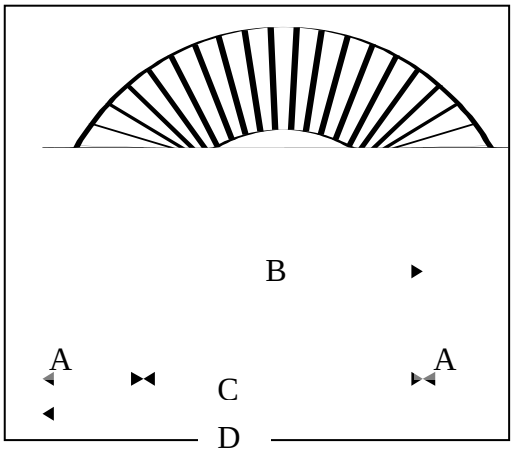
Belt surface:	Smooth.
Open area:	52 %
Strength:	The ideal choice for medium weight.
Material/colour:	POM, PP
Cleanability:	Good
Accessories:	25, 50 and 75 mm flights. Friction top.
Application:	Spiral coolers, radius conveyors.
Construction:	Side modules, center modules.
Width interval:	Normally 20 mm. E.g: 209 mm, 229 mm etc.
Inner radius:	Collapse factor from 1,5

Protected by the EU Design Registration

Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch-diameter	C= Inside-Diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
12	110	98	86	20	20/25/30	¾/1/1¼	25	1½
20	174	162	150	35	25/30/40	1/1¼	25/40	1½



S.100R Hook 25 mm radius belt dimensions

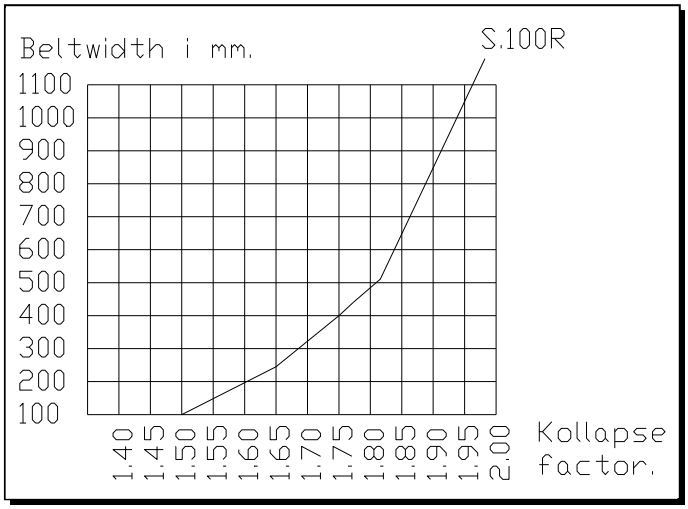


A = Standard belt width
B = Inner radius
C = Inner diameter
D = Outer diameter

S-100R

A	**209**	**270**	**373**	**475**	**577**	**679**	**782**	**884**	**986**	**1088**
B	343	451	645	845	1061	1263	1470	1697	1903	2143
C	686	902	1290	1690	2122	2526	2940	3394	3806	4286
D	1104	1442	2036	2640	3276	3884	4504	5162	5778	6462

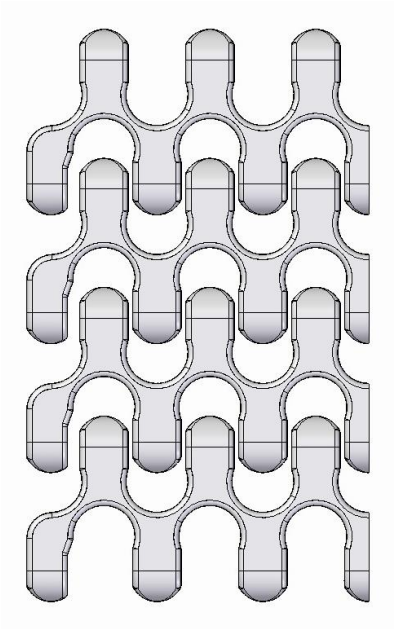
Standard width – Radius belts	
S – 100R	**S – 100R**
127	741
147	761
168	**782**
188	802
209	823
229	843
250	864
270	**884**
291	904
311	925
332	945
352	966
373	**986**
393	1007
413	**1088**
433	1190
453	1210
475	**1294**
495	1314
516	
536	
557	
577	
598	
618	
638	
659	
679	
699	
720	

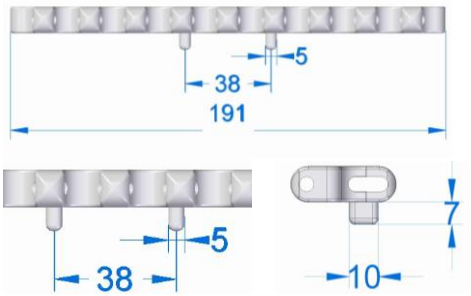


Collapse factor = $\frac{\text{min. inner radius}}{\text{belt width}}$

Min. inner radius = collapse factor x belt width.

S. 101Tracklink



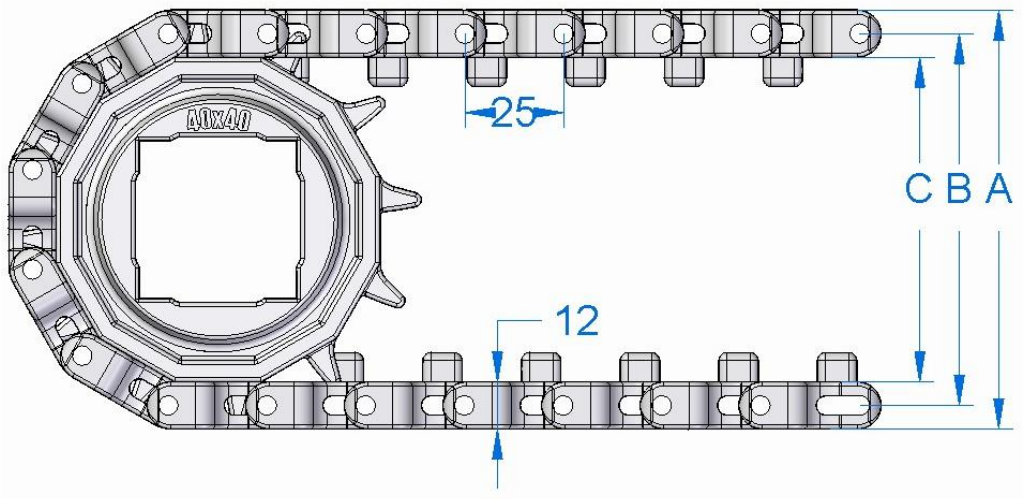


	Belt data.			
Belt material	Rods	Max. belt pull Straight (kg).	Max. belt pull Curve (kg).	Belt weight (kg/m²).
Polyacetal (POM)	Nylon	400	105	7
Polypropylene (PP)	PP	250	70	4,5

Belt surface:	Smooth.
Open area:	52 %
Strength:	Ideal for medium weight curves.
Material/colour:	POM, PP
Cleanability:	Good
Accessories:	75 mm flights,friction top
Application:	Radius conveyors.
Contruction:	Single modules.
Inner radius:	335mm
Width interval:	Normally 20 mm. E.g: 210 mm, 230 mm

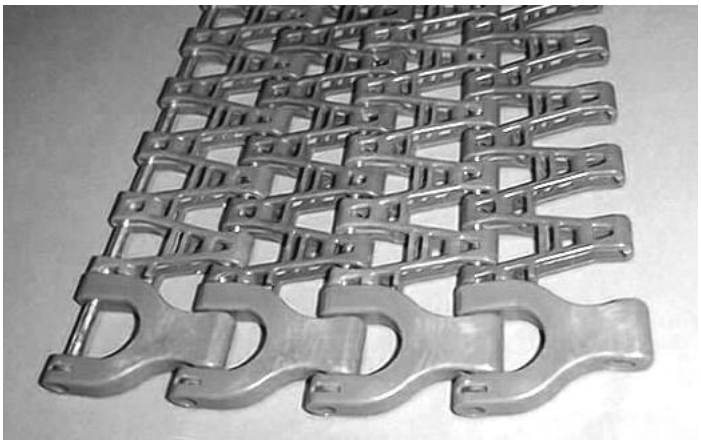
Registered Trademark ®

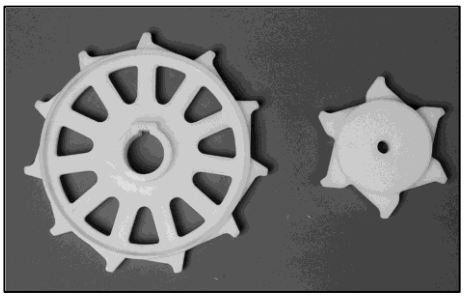
Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch-diameter	C= Inside-diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
8	78	66	54	20	20/25	¾/1	25	1½
12	108	96	84	20	20/25/30/40	¾/1/1¼	25/40	1½
20	173	161	149	35	25/30/40/50/60	1/1¼	25/40/60	1½/2½

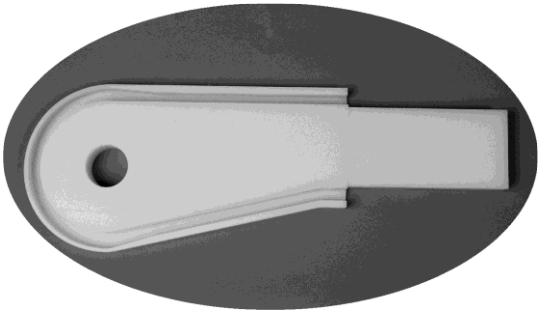


7. S. 50 Radius Belt

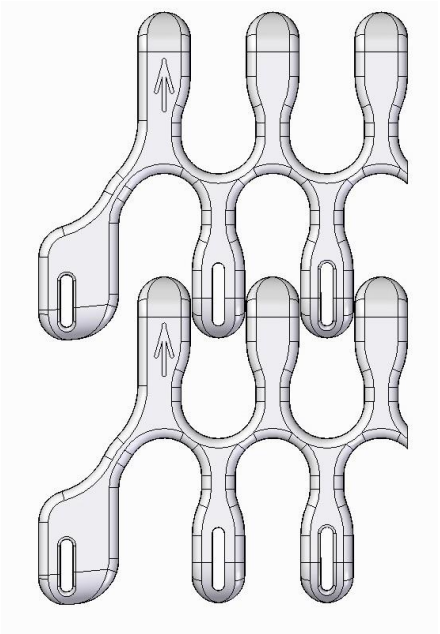
Pitch 50 mm.







S. 201

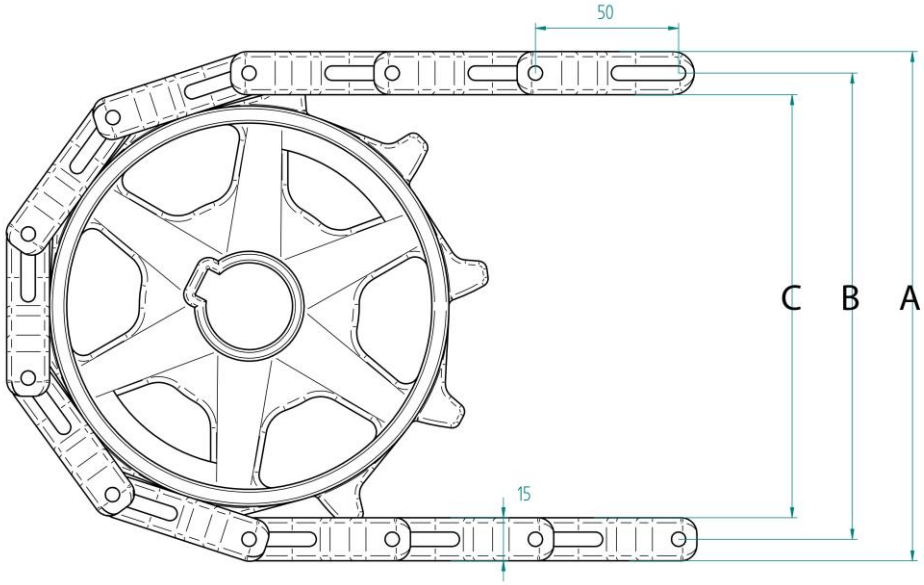


Belt data.			
Belt material	Rods	Max. belt pull (kg).	Belt weight (kg/m²).
Polyacetal (POM)	PP Nylon	205 305	8 8
Polypropylene (PP)	PP Nylon	Please contact ScanBelt	

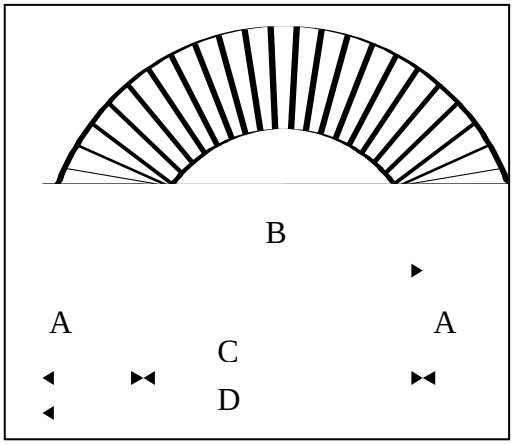
Belt surface:	Smooth.
Open area:	47 %
Strength:	Ideal for heavy duty spirals and curves.
Material/colour:	POM, PP
Cleanability:	Good
Accessories:	
Application:	Spiral coolers, radius conveyors.
Contruction:	Side modules, centre modules.
Width interval:	Normally 20 mm. E.g: 210 mm, 230 mm etc.
Inner radius:	Please see next page.

Protected by the EU Design Registration

Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch-diameter	C= Inside-diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
10	169	154	139	35	25/30/40/50/60	1/1¼	25/40/60	1½/2½



S. 201 - 50 mm. Radius belt dimensions

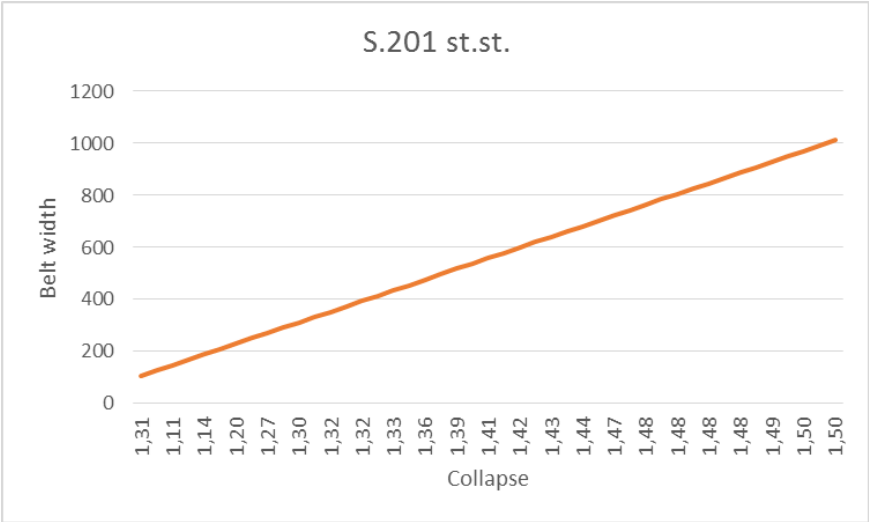


A = Standard belt width
B = Inner radius
C = Inner diameter
D = Outer diameter

A	**107**	**210**	**292**	**394**	**497**	**600**	**702**	**805**	**907**	**1011**
B	148	240	355	505	670	855	1040	1210	1360	1540
C	296	480	710	1010	1340	1710	2080	2420	2720	3080
D	510	900	1294	1798	2334	2910	3484	4030	4534	5102

Standard width – Radius belts			
Belt width.	**Min.inner radius.**	**Belt width.**	**Min.inner radius**
107	140	**600**	850
128	155	620	880
148	165	641	915
169	190	662	950
189	215	682	985
210	245	**702**	1025
230	275	723	1065
251	315	744	1100
271	345	764	1130
292	375	785	1160
312	405	**805**	1190
333	435	826	1220
353	465	846	1250
374	495	867	1280
394	520	887	1310
414	550	**907**	1340
435	580	928	1380
455	615	949	1415
477	650	970	1455
497	685	990	1485
518	720	**1011**	1520
538	755		
559	790		
579	820		

S-201

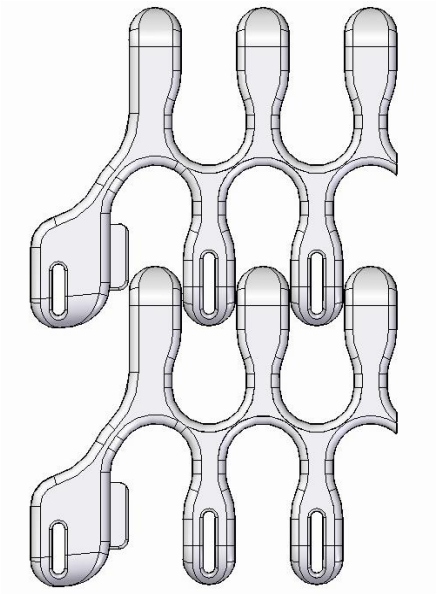


Calculating the belts technical challenge in curves

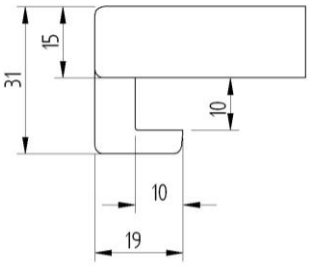
$$\text{Collapse factor} = \frac{\text{min. inner radius}}{\text{belt width}}$$

Min. inner radius = collapse factor x belt width.

S. 201Hook



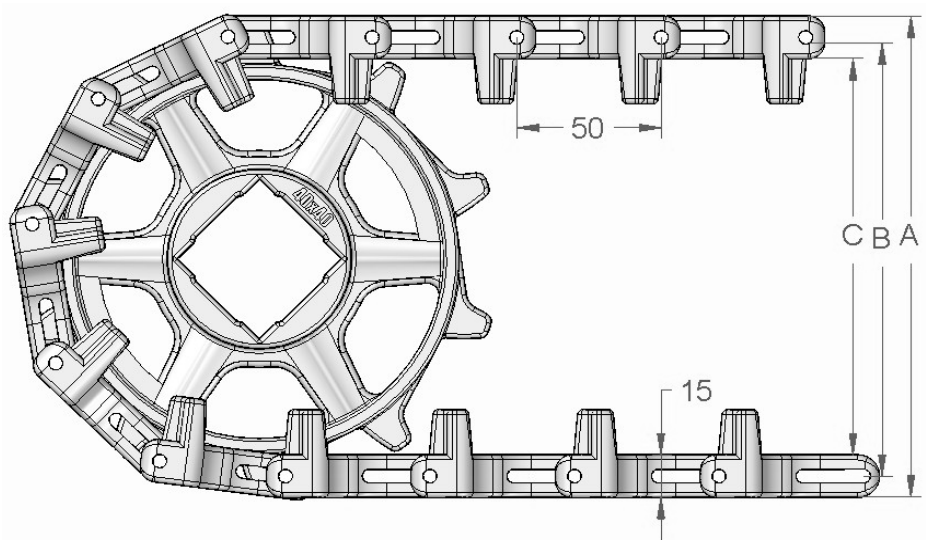
Belt data.			
Belt material	Rods	Max. belt pull (kg).	Belt weight (kg/m²).
Polyacetal (POM)	PP Nylon	205 305	8 8
Polypropylene (PP)	PP Nylon	Please contact ScanBelt	



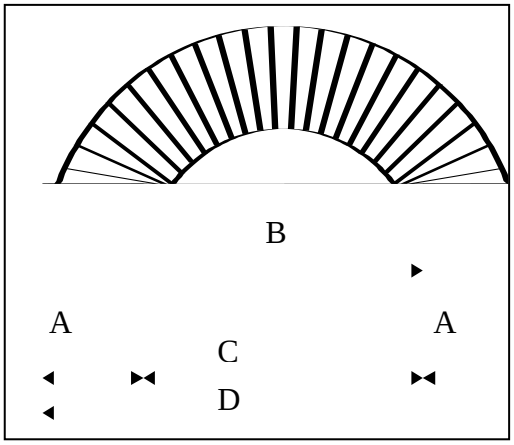
Belt surface: Smooth.
Open area: 47 %
Strength: Ideal for heavy duty spirals and curves.
Material/colour: POM, PP
Cleanability: Good
Accessories:
Application: Spiral coolers, radius conveyors.
Contruction: Side modules, centre modules.
Width interval: Normally 20 mm. E.g: 210 mm, 230 mm etc.
Inner radius: Please see next page.
Hooks: Turned inside
Distance between Hooks: Belt width less 17mm.

Protected by the EU Design Registration

Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch-diameter	C= Inside-diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
10	169	154	139	35	25/30/40/50/60	1/1¼	25/40/60	1½/2½



S. 201Hook - 50 mm. Radius belt dimensions

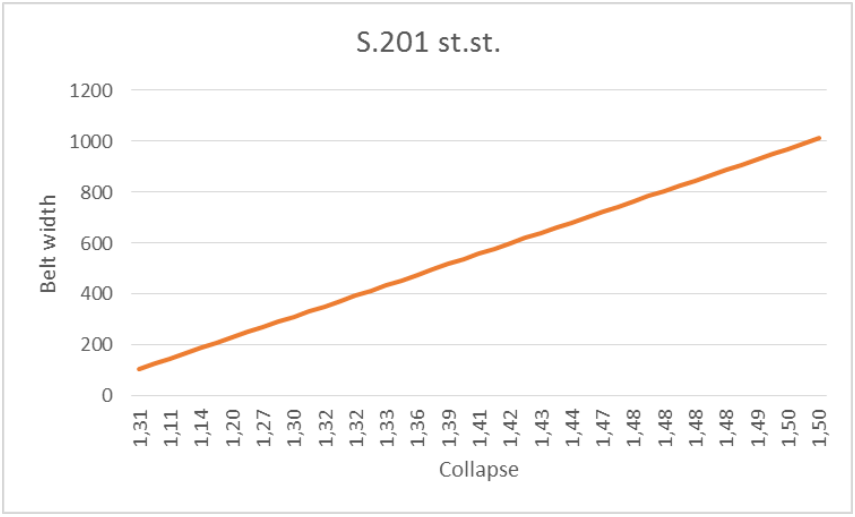


A = Standard belt width
B = Inner radius
C = Inner diameter
D = Outer diameter

A	**107**	**210**	**292**	**394**	**497**	**600**	**702**	**805**	**907**	**1011**
B	148	240	355	505	670	855	1040	1210	1360	1540
C	296	480	710	1010	1340	1710	2080	2420	2720	3080
D	510	900	1294	1798	2334	2910	3484	4030	4534	5102

Standard width – Radius belts			
Belt width.	**Min.inner radius.**	**Belt width.**	**Min.inner radius**
107	140	**600**	850
128	155	620	880
148	165	641	915
169	190	662	950
189	215	682	985
210	245	**702**	1025
230	275	723	1065
251	315	744	1100
271	345	764	1130
292	375	785	1160
312	405	**805**	1190
333	435	826	1220
353	465	846	1250
374	495	867	1280
394	520	887	1310
414	550	**907**	1340
435	580	928	1380
455	615	949	1415
477	650	970	1455
497	685	990	1485
518	720	**1011**	1520
538	755		
559	790		
579	820		

S-201Hook

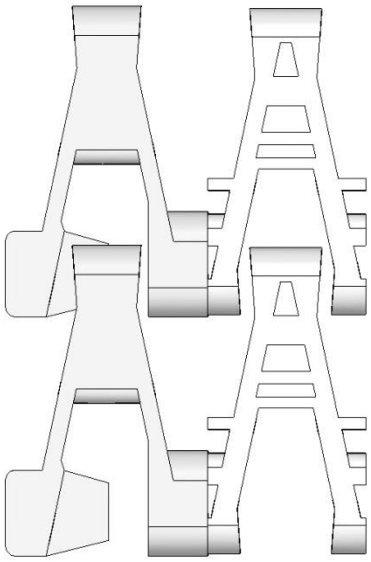


Calculating the belts technical challenge in curves

Collapse factor = $\frac{\text{min. inner radius}}{\text{belt width}}$

Min. inner radius = collapse factor x belt width.

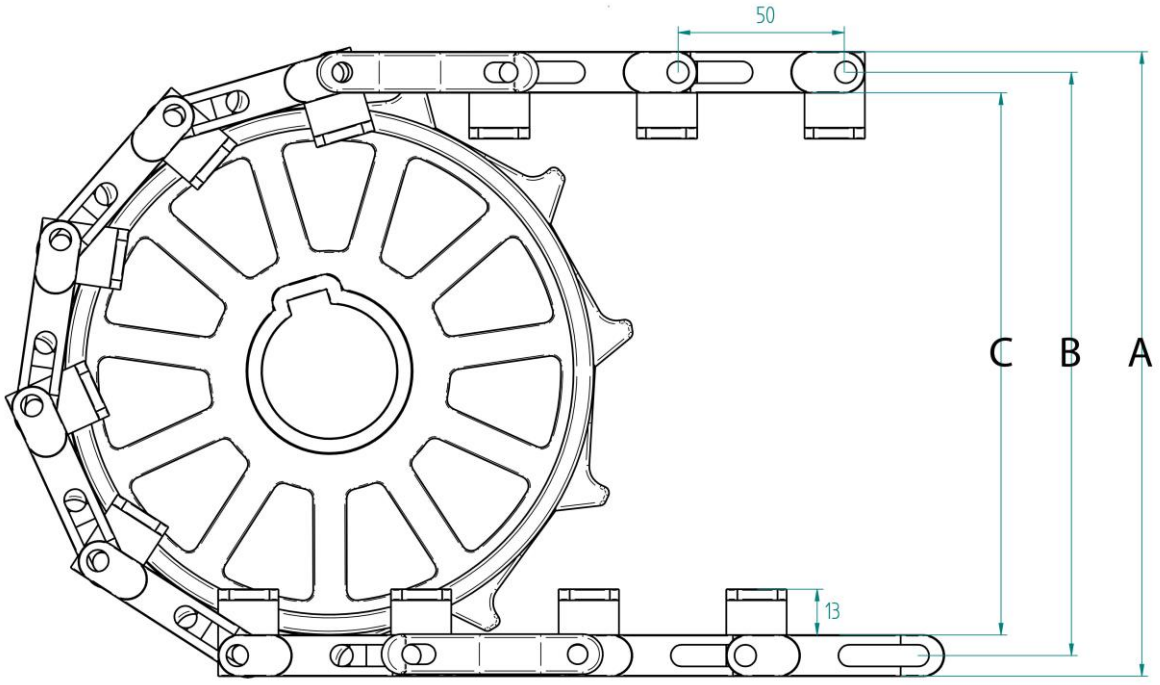
S. 250



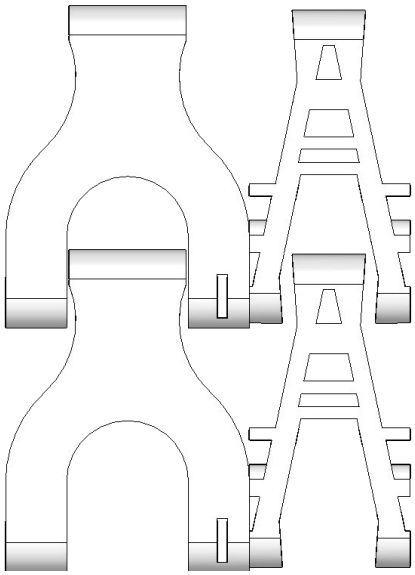
Belt data		
Materials	Max. belt pull kg	Belt weight kg/m^2
Polyacetal (POM)	250	9
Polypropylene (PP)	140	7,5

Belt surface:	Smooth.
Open area:	67 %
Strength:	The right belt for heavy transportation.
Material/colour:	POM, PP
Cleanability:	Good
Accessories:	3 mm flight buds made in friction material or POM/PP. 25 mm side guards. Steel reinforcements.
Application:	Spiral coolers, radius conveyors.
Construction:	43 mm side modules, 200 mm centre modules.
Width interval:	Normally 33 mm. E.g: 119 mm, 152 mm etc. Contact Scanbelt.

Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch-diameter	C= Inside-diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
11	186	174	162	22	30/40/45		40	
11 STEEL	186	174	162	22	FLEX			



J. 450



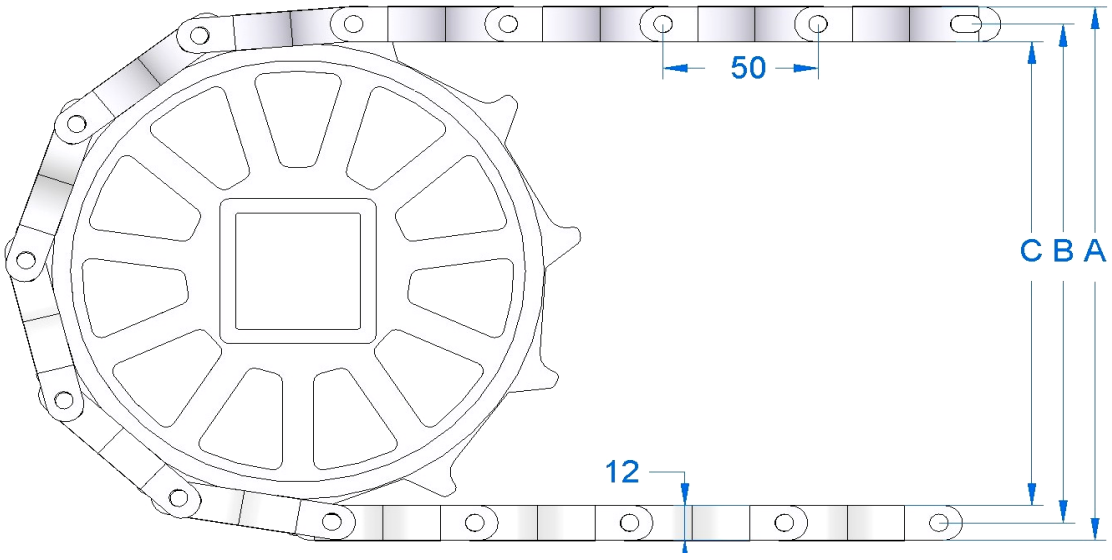
Belt data		
Material	Max. belt pull kg	Belt weight kg/m^2
Polyacetal (POM)	450	9
Polypropylene (PP)	200	7,5

Belt surface:	Smooth.
Open area:	67 %
Strength:	The right belt for heavy transportation.
Material/colour:	POM
Cleanability:	Good.
Accessories:	3 mm flight buds made in friction material or POM. 5 and 25 mm side guards.
Application:	Spiral coolers, radius conveyors. It only runs in J-curves.
Construction:	47/50 mm side modules, 200 mm centre modules.
Width interval:	Normally 33 mm. E.g: 95 mm, 128 mm, 162 mm
etc.	

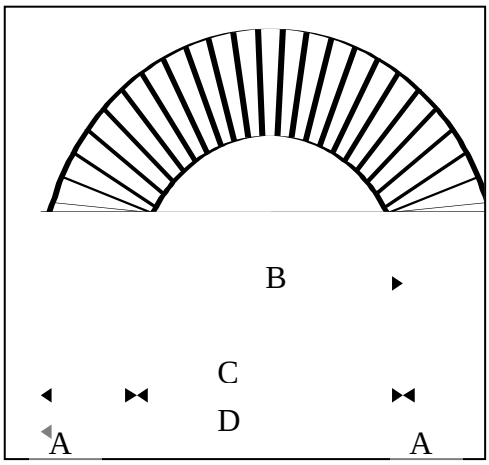
Contact Scanbelt.

Registered Trademark ®

Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch-diameter	C= Inside-diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
6	116	104	92	22	FLEX			
11	189	177	166	22	30/40/45		40	
11 STEEL	189	177	166	22	FLEX			



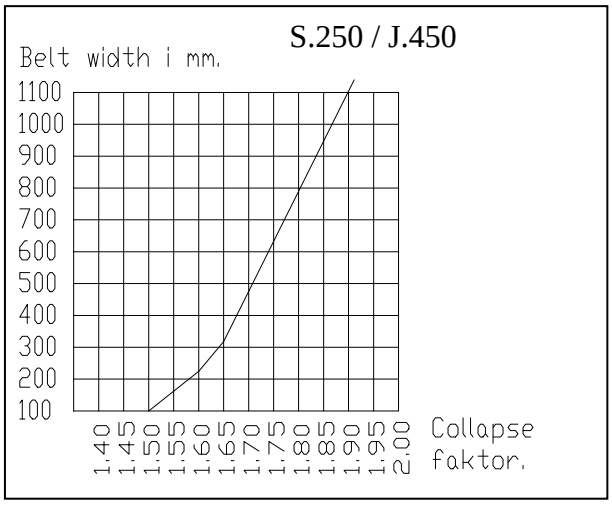
50 mm. Radius belt dimensions



A = Standard belt width
B = Inner radius
C = Inner diameter
D = Outer diameter

	S-250									
A	**186**	**288**	**388**	**490**	**590**	**695**	**795**	**895**	**995**	**1095**
B	267	429	594	769	950	1150	1346	1551	1765	1988
C	534	858	1188	1538	1900	2300	2692	3102	3530	3976
D	906	1434	1964	2518	3080	3690	4282	4892	5520	6166
	J-450									
A	**95**	**195**	**296**	**396**	**498**	**600**	**701**	**802**	**903**	**1003**
B	133	283	444	614	797	960	1157	1364	1562	1775
C	266	566	888	1228	1594	1920	2314	2728	3124	3550
D	456	956	1480	2020	2590	3120	3716	4332	4930	5556

Standard width – Radius belt	
S-250	**J-450**
-	**95**
119	128
152	162
186	**195**
219	229
252	262
288	**296**
321	329
354	362
388	**396**
421	429
454	462
490	**498**
523	532
556	566
590	**600**
656	633
695	667
728	**701**
761	734
795	768
828	**802**
861	835
895	869
995	**903**
1095	**1003**
1195	**1103**
1295	**1203**
1395	**1303**
	1403



Calculating the belts technical challenge in curves

Collapse factor = $\frac{\text{min. inner radius}}{\text{belt width}}$

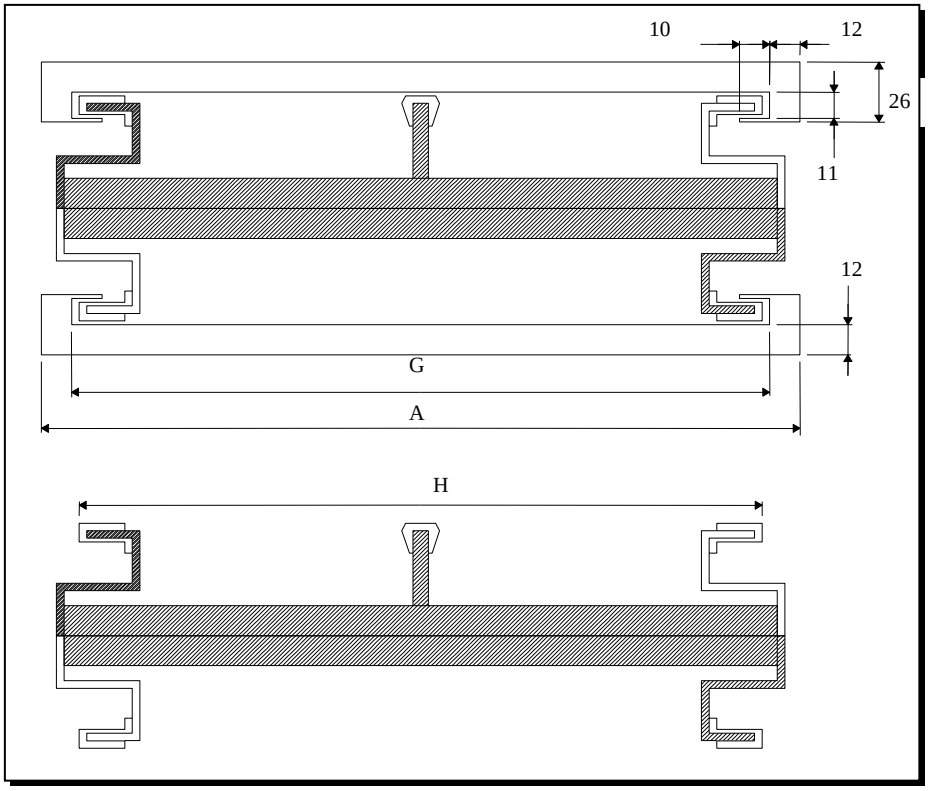
Min. inner radius = collapse factor x belt width

Note: Belts width steel reinforcements
S.250: + 5 mm.

Frame measurements for Radius belt

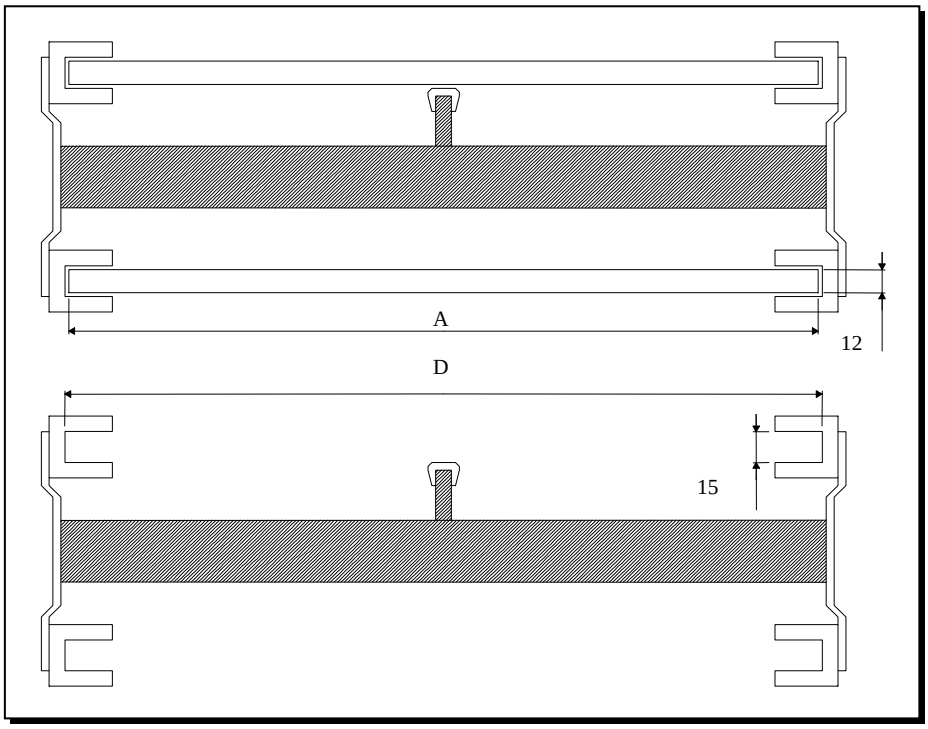
Frame measurements for Radius belt S-250

Measurements in mm.
A = belt width
G = A – 24 mm.
H = A – 28 mm.



Frame measurements for Radius belt S-100 / J-350

Measurements in mm.
A = belt width
B = A + 4 mm.



Installation instructions
Radius belts

1.Frame construction.

The frame must be sufficiently stiff to prevent twisting or other forms of dimensional change while loaded.
The outer dimensions must remain within stated tolerances, so that the belt cannot become trapped or fall out of the slide rails.

2. Slide rails.

There should be as few joints as possible and they should always be avoided in the curves. All joints must be smooth, so that the belt cannot get caught in a joint.

3. Sprockets.

The sprocket in the outer curve should be fitted as close to the outer edge as possible. All drive sprockets should be locked so that they cannot move sideways.
Contrary to the drive sprockets, the non-driven sprockets should be fitted, so that they run freely on the shaft.

4. Turning shoe.

It is vital that the transition between the turning shoe and the slide rails is smooth with no risk of the belt getting caught.

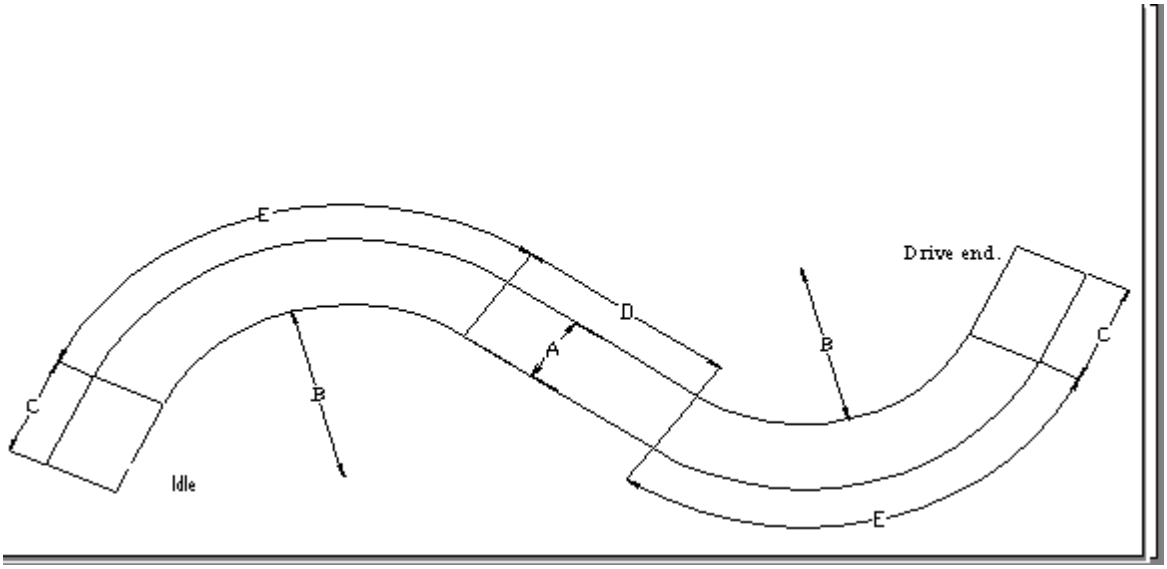
5. Tightening.

The belt should normally be installed with an excess length of approx. 3 elements, depending on the total length of the belt.
In the event of the return belt rising immediately after the drive unit, a take-up roller may be necessary. On short belts, tightening to a single element´s excess length may be sufficient.
An "accumulation" of the belt must never occur at the drive sprockets.

6. Extra drive unit.

On heavily loaded belts, an extra drive unit may be necessary. This motor can be of the type "BAUER DREHFELDMOTOR" in order to prevent the two motors from working against each other. The extra motor should be placed at the non-driven end, but under special circumstances may be placed at the centre of the belt.

Calculation for a S-curve



Radius Belt example 90° S-curve.

A: Belt width.
B: Min. inner radius = belt width x collapse factor.
C: Straight run on pull and return = belt width.
D: Straight run between 2 curves = min. 2 x belt width.
E: Curve length.

Calculation example

Belt width 421 mm - 2 pcs. 90° turning radius.
Collapse factor = 1,6

B = 421 (A) x 1,6	=	674 mm.
C min.	=	421 mm.
D min.	=	842 mm.
E $\frac{[(B + A) \times 3,14]}{4}$	=	860 mm

Belt length-[C/C] (2 x C)+D+(2 x E) = 3404 mm.

Total belt length-(C/C x 2) + sprocket pitch diameter.

8. Retired belts

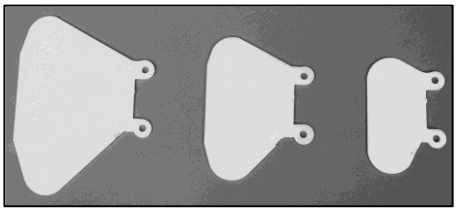
These belts are out of production:

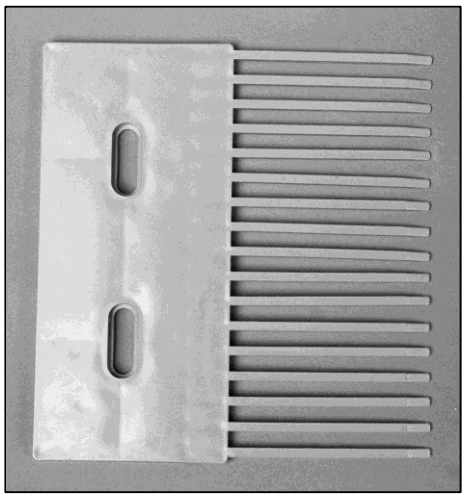
S. 12-400
S. 25-200
S. 50-200
S. 50-400
S. 50-402K2
S. 50-700
S. 50-800N
S. 251

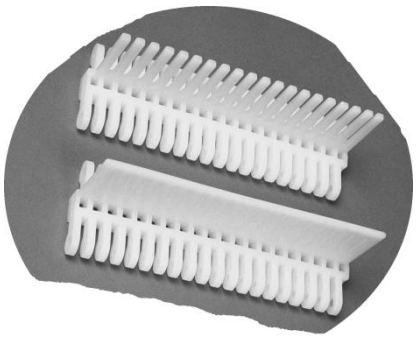
Spareparts may be available.

Please visit our website : http://www.scanbelt.com/gb/products/retired_belts.aspx

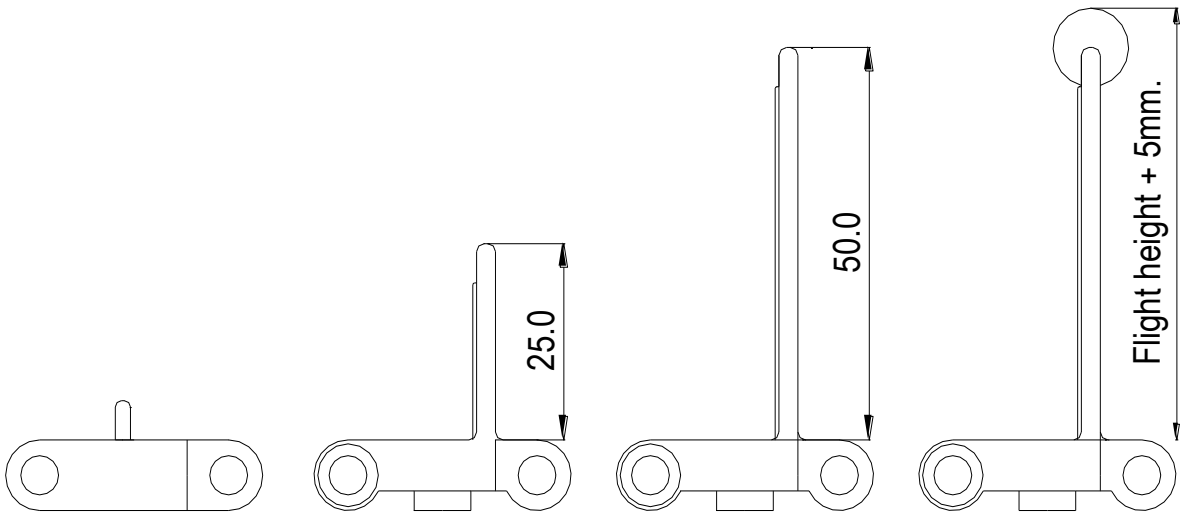
9. Accessories



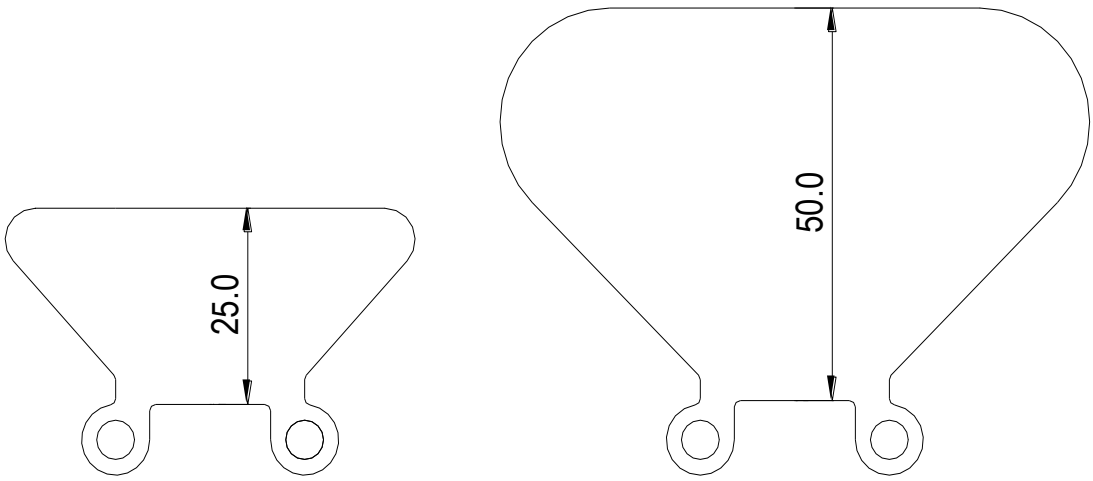




Accessories S. 25.100-600-700

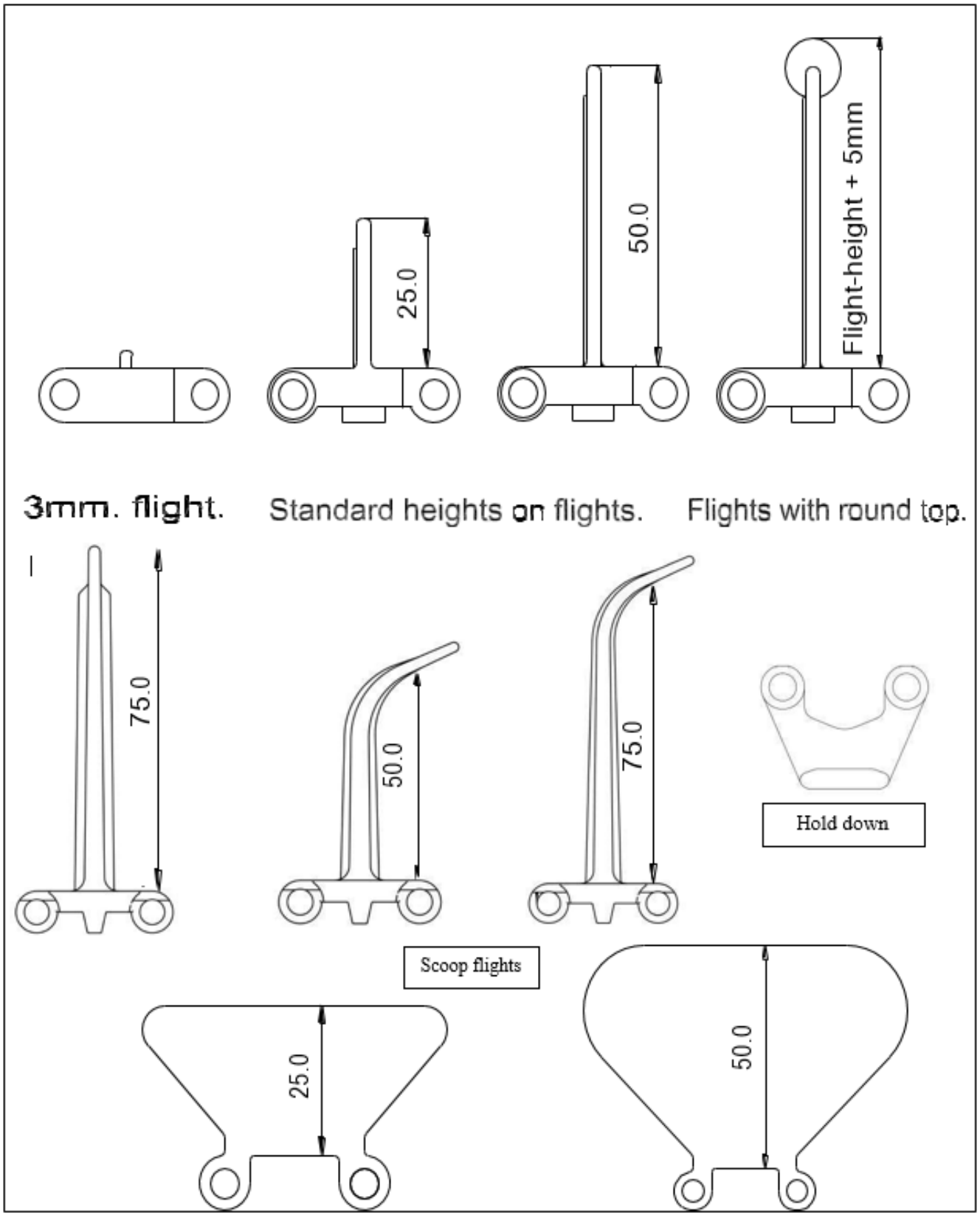


5mm. flight. Standard heights on flights. Flight with round top.

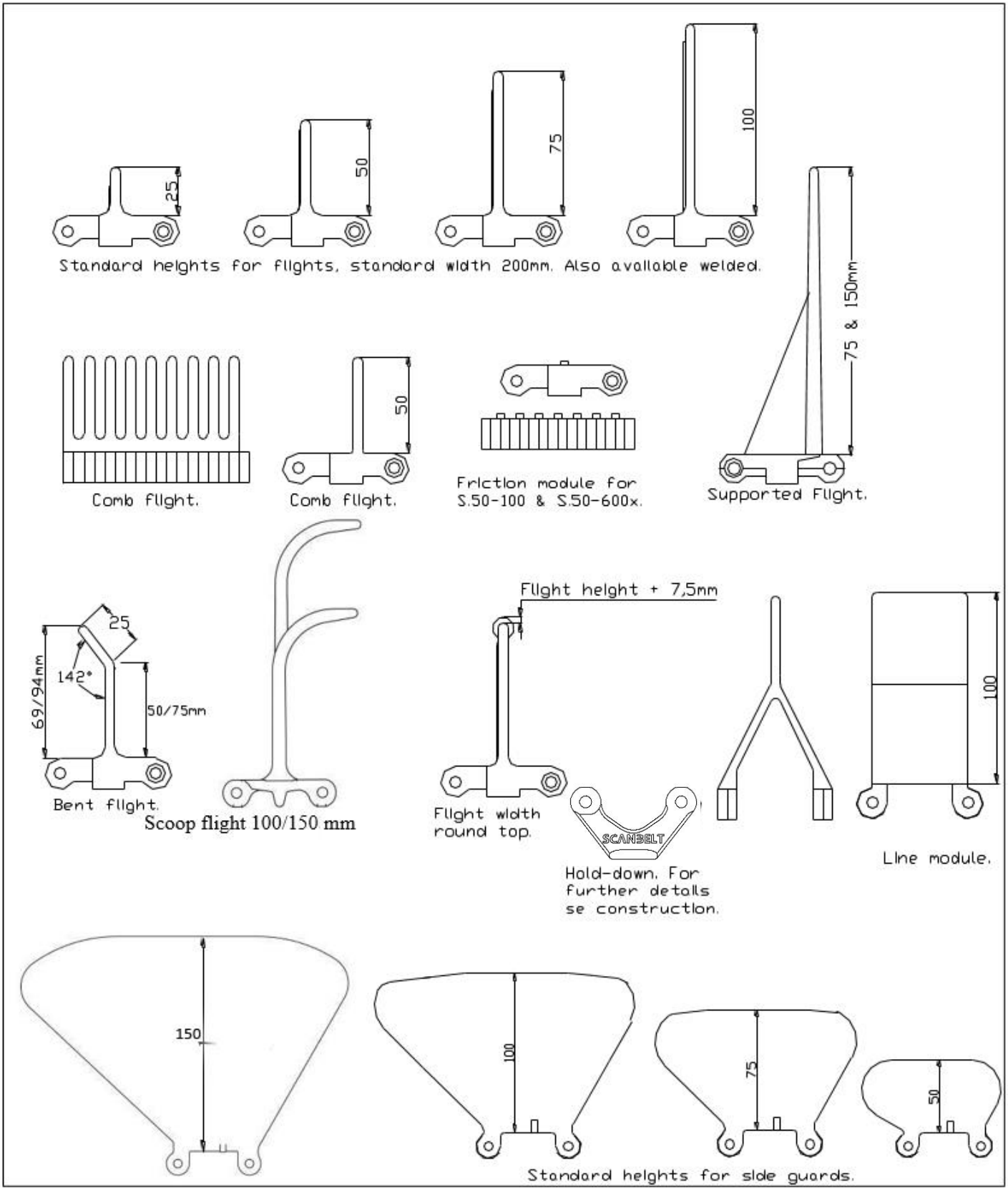


Standard heights on side guards.

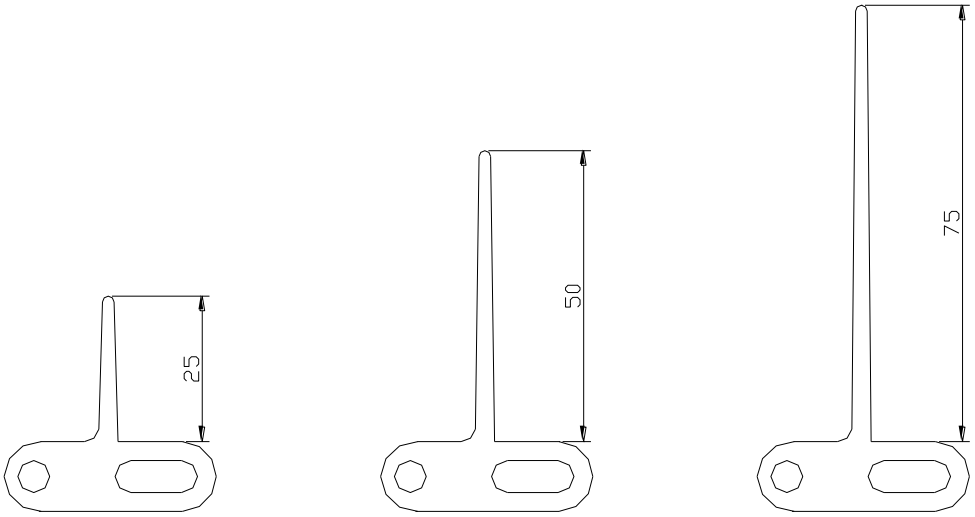
Accessories S. 25.400-408-800



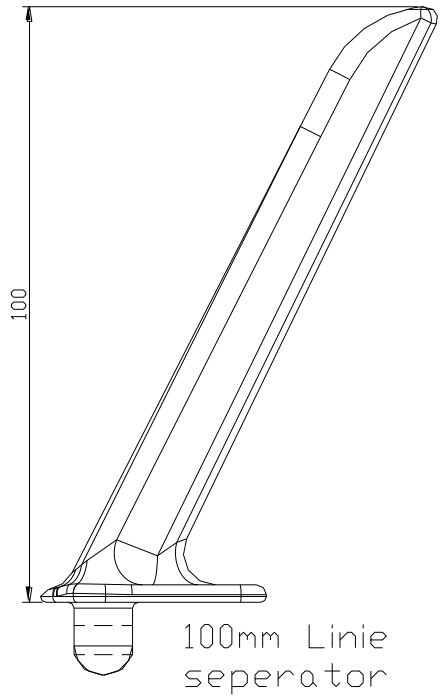
Accessories S. 50



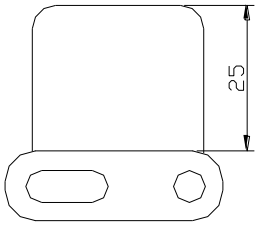
Accessories radius belt S. 25



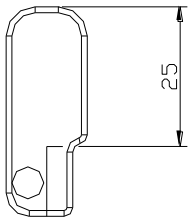
Standard hights onflights



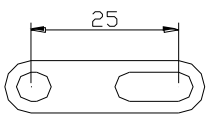
100mm Linie seperator



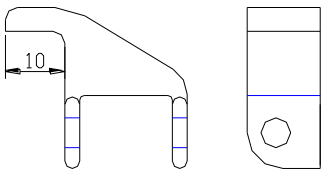
Standard hights on side guard



25mm Linie seperator



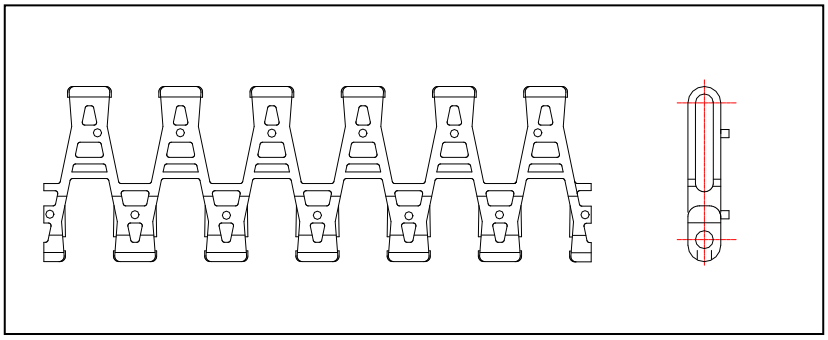
Steel reinforcement



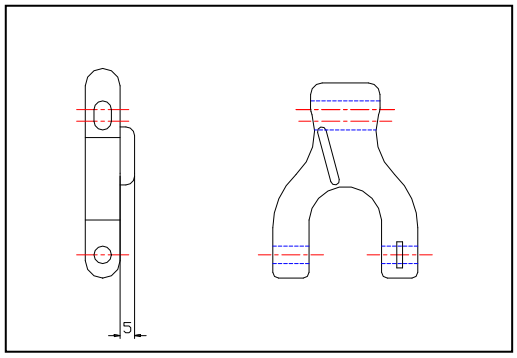
Holddown

Accessories radius belt S. 50

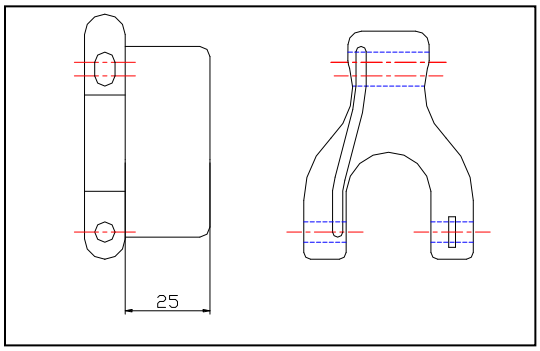
3 mm flight made in friction material or POM/PP/friction.



5 mm side guard J-450

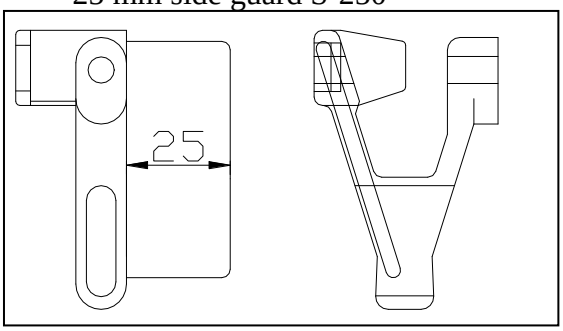


25 mm side guard J-450

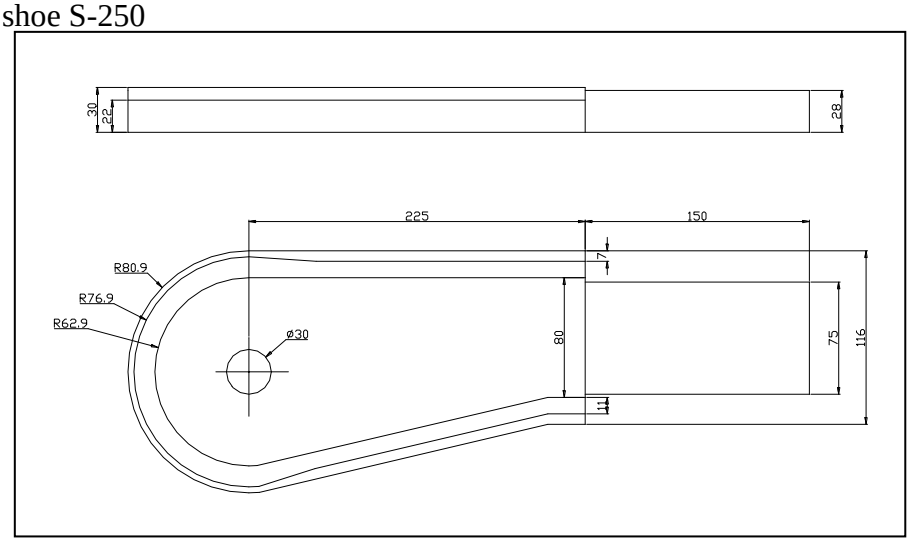


Steel reinforcement S-250

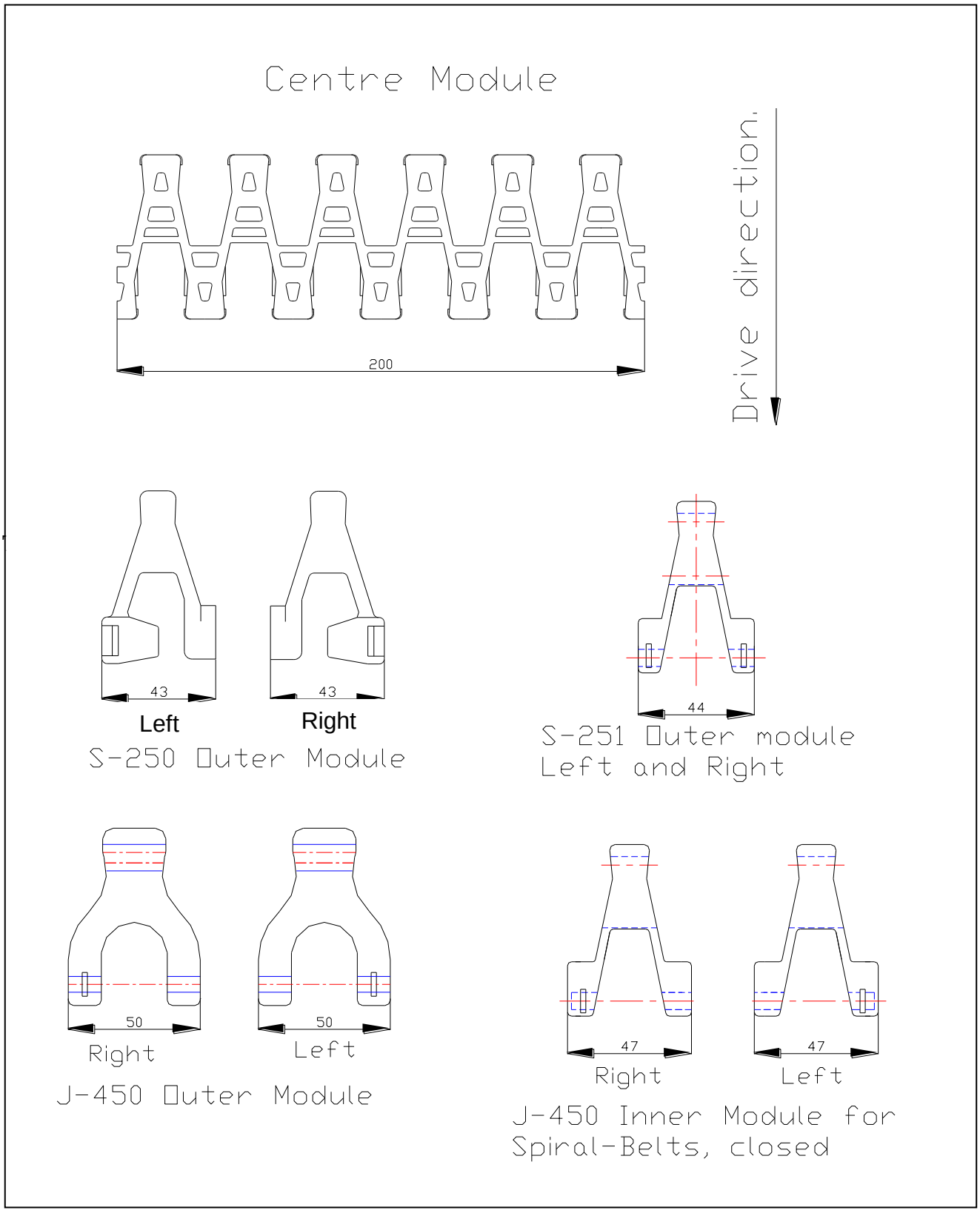
25 mm side guard S-250



Turning shoe S-250

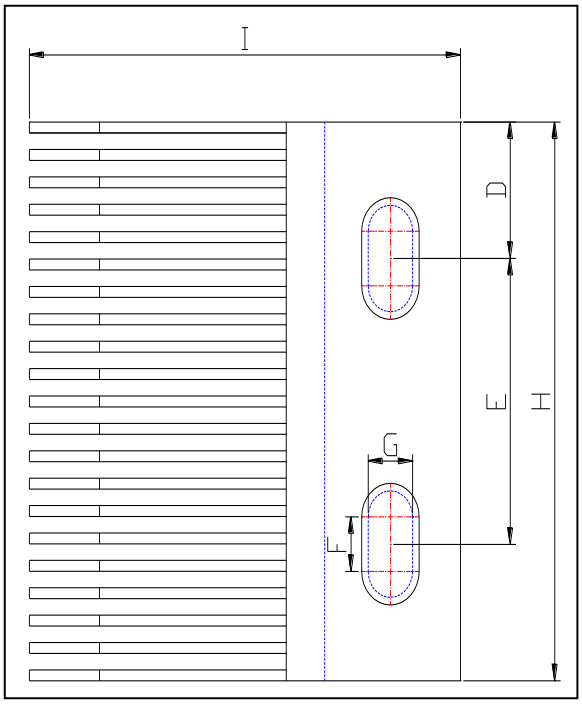


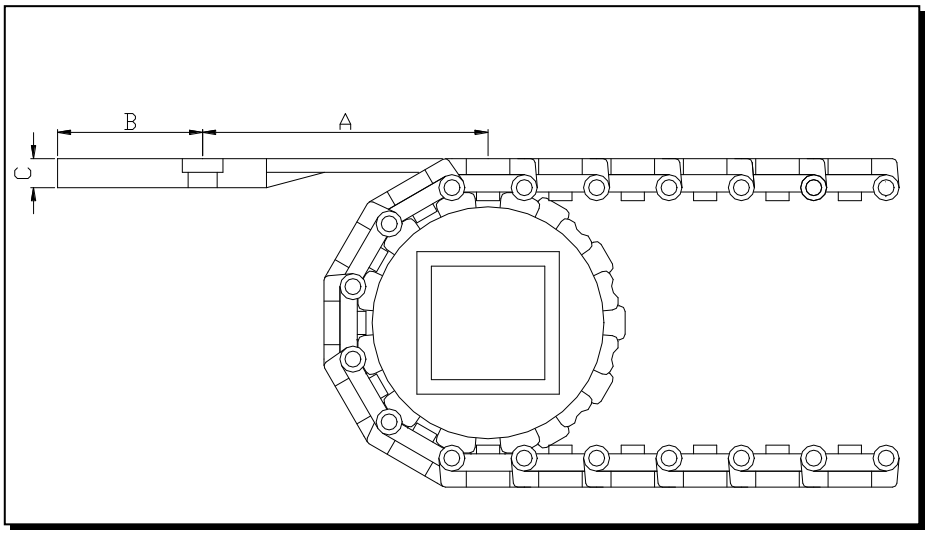
Spare parts for radius belts



Finger transfer plates

Dimensions in mm.			
	S. 25-200	S. 25-420	S. 50
A	86	75	98
B	32	18	50
C	10	5	10
D	57	25	57
E	87	52	87
F	31		31
G	9,5	9,5	9,5
H	200	102	200
I	188	92	280





Lock and rod overview. Straight belt

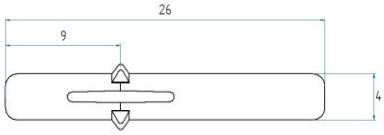
<u>Underlined + highlighted</u>= Belt will as standard be closed with clips

S.12

S.12-401/406/408/438/448 -12400LNY4

Lock; Rod length = belt width - 58 mm

Self-lock; Rod length = belt width - 6 mm



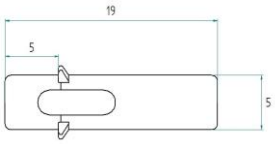
S.25

S.25-**<u>100/200</u>**/400/400F/402/406/408/411/412/413/418/**<u>420/600/700/702</u>** - 25100LNY4

Lock; Rod length = belt width - 44 mm

Self lock; Rod length = belt width - 7 mm

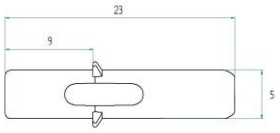
Self lock **25-400**; Rod length = belt width - 10 mm



S.25-800/801/806/830/836 -25800LNY4

Lock; Rod length = belt width - 52 mm

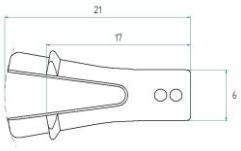
Self lock; Rod length = belt width - 7 mm



S.50

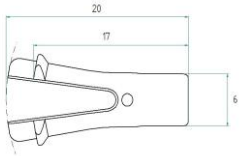
S.50-100/200/300/600/602/606/608/610/630 - 50100LNY4

Lock; Rod length = belt width - 48 mm



S.50-**<u>401</u>** - 50401LNY4

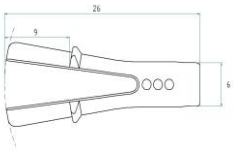
Lock; Rod length = belt width - 50 mm



S.50-801/805/806/808/830/838 - 50808LNY4

Lock; Rod length = belt width - 58 mm

Self lock; Rod length = belt width - 10 mm

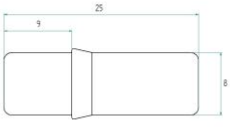


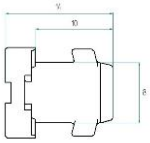
S.50-**<u>906/908/918/930/938</u>** - 50900LNY4

Lock; Rod length = belt width - 56 mm

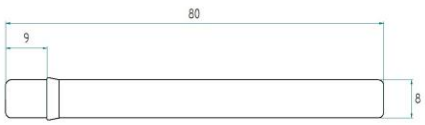
Twist lock - 50900TLNY9

Rod length = belt width - 40 mm



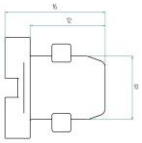


S.50-**<u>988</u>** - 50988LNY4

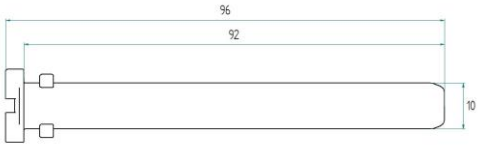


Lock overview. Straight belt

S.75-**908/938**- 75900TLNY9
Lock; Rod length = belt width - 45 mm
S.75-908CL200AM8
Lock; Rod length = belt width - 26 mm



Long twistlock - 75900TL100NY9

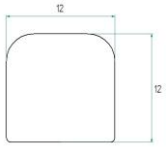


Lock overview. Radius belt

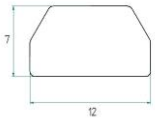
Fed + understregning = Bånd lukkes med lås som standard

S.25 Radius belt

S.100R/100R Hook - 2L000M0 *Big lock*
Rod length = belt width - 14 mm
S.100C - 2L000M0
Rod length = belt width - 12 mm

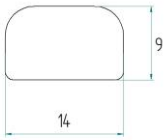


S.101- 2L001M0 *Small lock*
Rod length = belt width - 13 mm
S. 101 TAB
Rod length = belt width - 160 mm

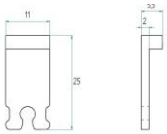


S.50 Radius belt

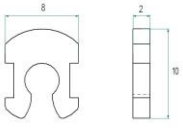
S.201- 5L001M3
Rod length = belt width - 13 mm



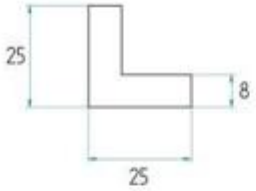
S.250/175 - 5K000M0
Rod length = belt width - 6 mm



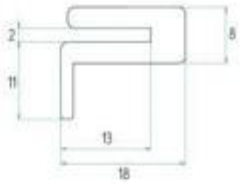
S.251/350/450 - 5S000M0
Rod length = belt width - 4 mm



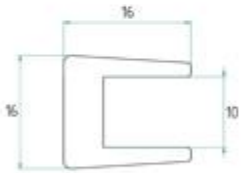
Wear strips



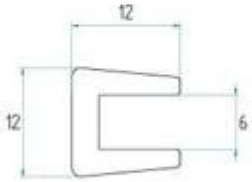
25 mm. angle profile



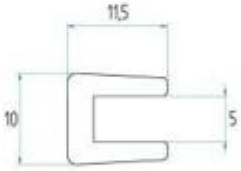
13 mm. angle profile



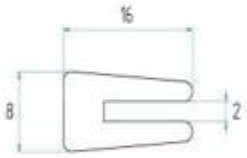
10 mm. U. profile



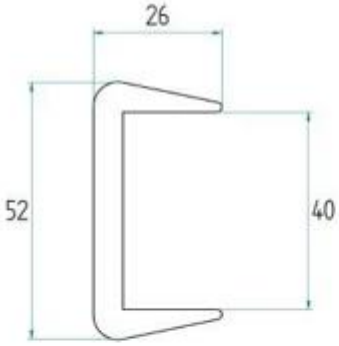
6 mm. U. profile



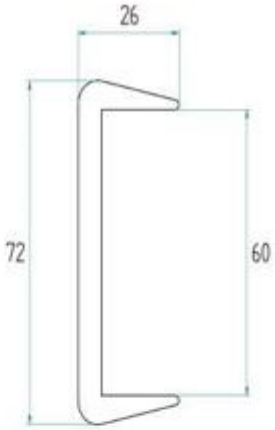
5 mm. U. profile



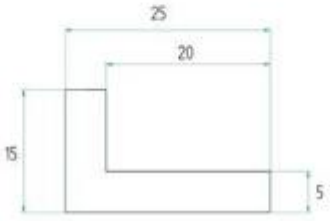
2 mm. U. profile



40 mm. U. profile



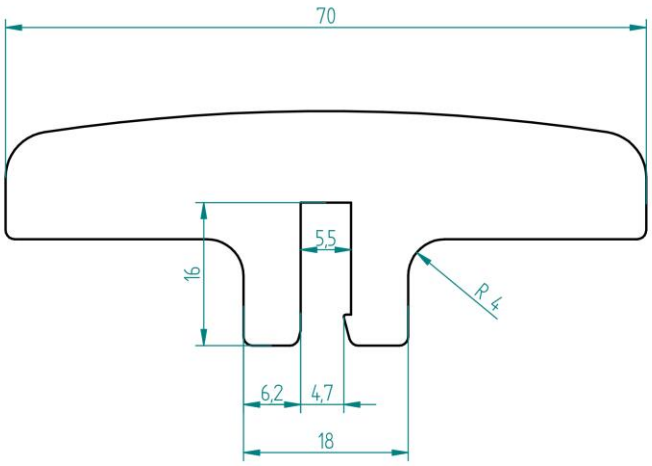
60 mm. U. profile

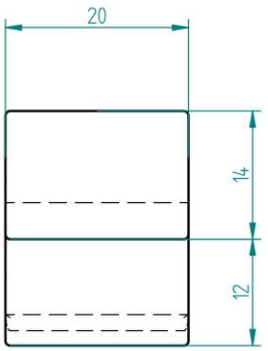


L profile

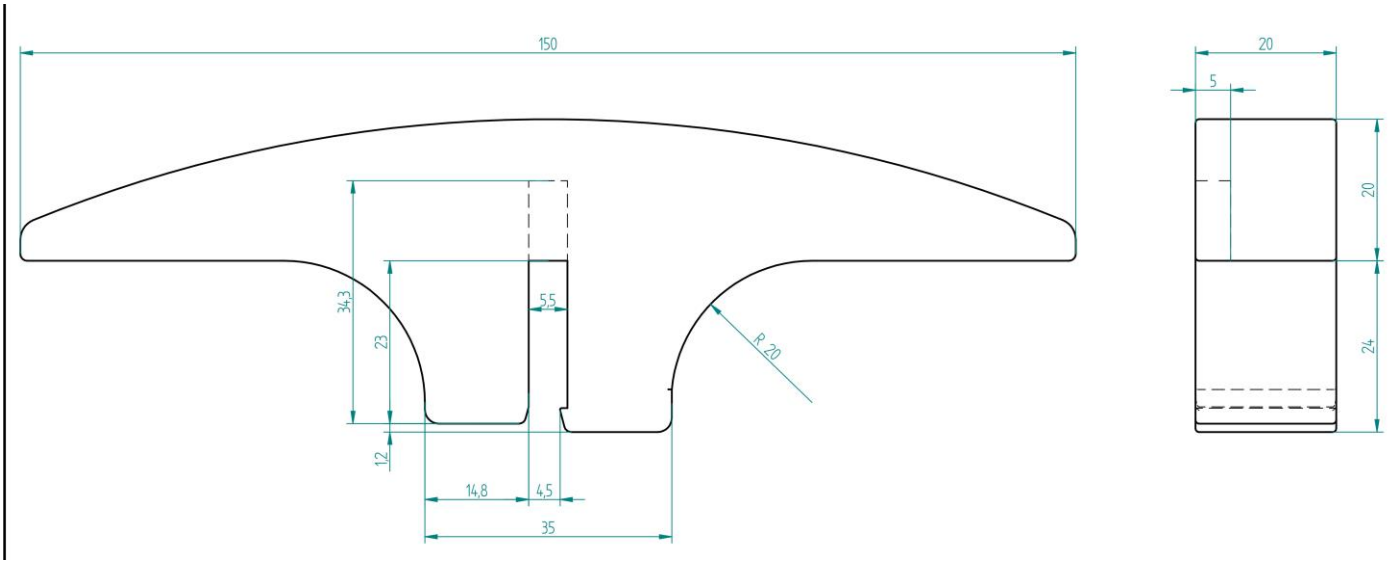
Materials: PEHD 300

Belt side guide





Belt support



10. Construction / Installation Instruction

A: Construction
B: Construction examples
C: Thermal expansion/contraction
D: Material description
E: Chemical resistance
F: Installation and maintenance
G: Malfunctioning
H: Calculation of motor power

Construction (A)

Construction of conveyors using ScanBelt modular belts

The construction and assembly of conveyor systems using ScanBelt modular belts are not significantly different from conveyor systems utilising other belt types. There are, however, certain points which we would like to emphasise. Therefore we have prepared general assembly guidelines, which we hope will be helpful when designing and constructing a conveyor system.
Note that belt widths under 500 mm have a tolerance of ±3 mm and belt widths over 500 mm have a tolerance of ±6 mm.

There are 3 diagrams illustrating horizontal conveyor systems.

Fig. 1 relates to short lightly loaded conveyor systems. This type of construction means the belt is tightened and tensioned by adjustment at one or both shafts. This conveyor system can be used in a reversing operation. It is important to be aware of temperature fluctuations when using this type of construction. In the event of low temperatures, the belt will contract significantly. At high temperatures the belt will expand, which could result in poor or even complete lack of engagement from the sprockets on the drive wheels.

Fig. 2 relates to longer and more heavily loaded conveyor systems. This conveyor system cannot be used in a reversing operation. The first support after the drive wheel ensures the best possible engagement.
The second support should be located in a position where the weight of the belt "sag" between the first and the second support is sufficient to maintain the correct belt tension. This ensures continuous positive engagement from the sprockets on the drive wheel. Another advantage of this type of construction, which features a series of belt supports, is that it is possible to accommodate any belt contraction/expansion by fluctuating the degree of belt "sag" between all other supports.

Fig. 3 is similar to the conveyor system shown in the middle diagram. The only exception is that it can be used in a reversing operation. However, it cannot handle the same heavy loads.

Fig. 1

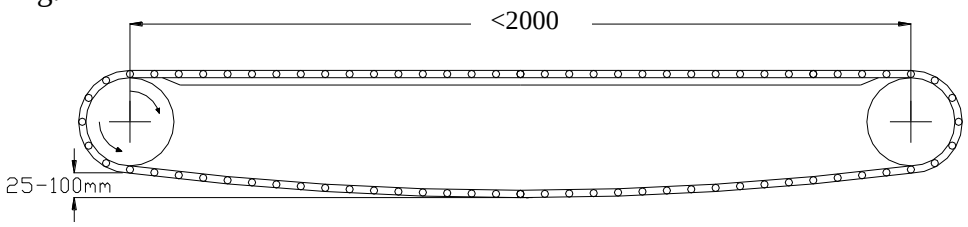


Fig. 2

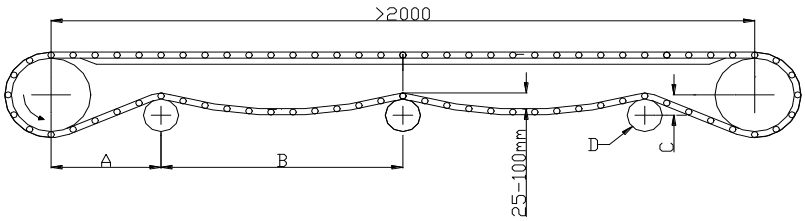
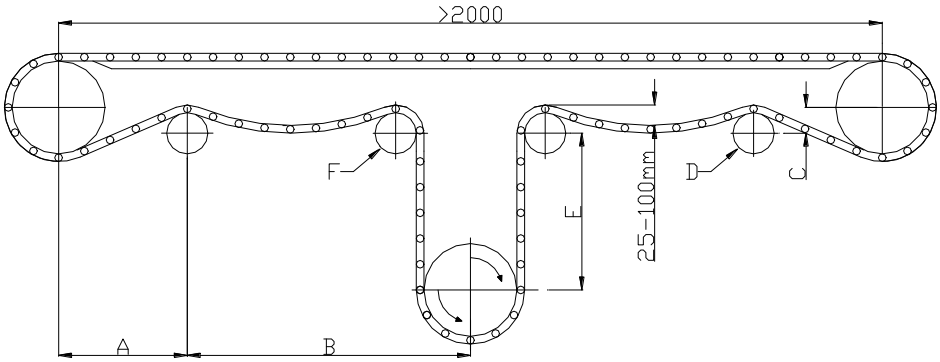


Fig. 3



A = 200 - 300 mm.
B = Min. 1000 mm - max.10% of the centre distance.
C = 0 - 50 mm.
D = S. 12 min. Ø20mm - S. 25 min. Ø50 mm. - S. 50 min. Ø 100 mm.
E = S. 12 min. Ø50mm - S. 25 min. Ø75 mm - S. 50 min. 150 mm.
F = S. 12 min. Ø20mm - S. 25 min. Ø100 mm - S. 50 min. Ø150 mm

Construction examples (B)

Construction of conveyors using ScanBelt modular belts

There are 2 diagrams illustrating elevator conveyor systems.

Fig. 1 shows a very common construction. The drive sprocket is at the top of the elevator system.
The first support after the drive sprocket ensures the best possible engagement. The second support should be located in a position, so that the weight of the belt "sag" between the first and the second support is sufficient to maintain the correct belt tension. This ensures continuous positive engagement from the sprockets on the drive sprocket. If there is insufficient distance between the first two supports, the tensioning belt "sag" should be moved to the area between the second and the third support. When provision has been made for adequate tensioning by following the above points, the belt can then be enclosed and allowed to run inside the conveyor framework for the remainder of the return leg.

At the point where the belt runs negatively, between the horizontal and incline (E-radius), it can be held in position and retained at the sides by the synthetic guide rails. Another option is the use of the hold-down segment built into the underside of the belt. These segments attach onto a suitable rail incorporated in the conveyor support bed.

Fig. 2 shows a similar elevator system. It is constructed in the same way.

In some exceptional cases, more tightening/tensioning may be necessary.
This can be achieved by using counter-weights or springs.

Construction example

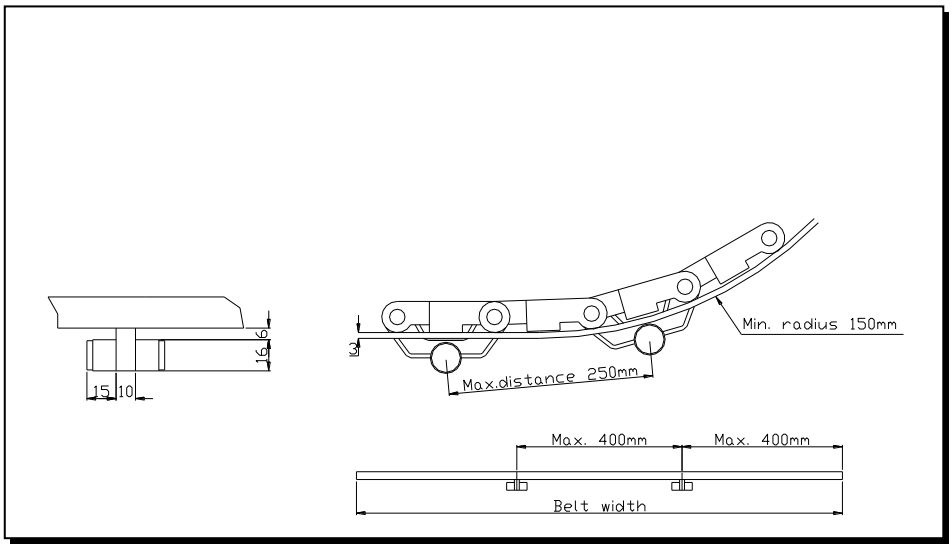


Fig. 1

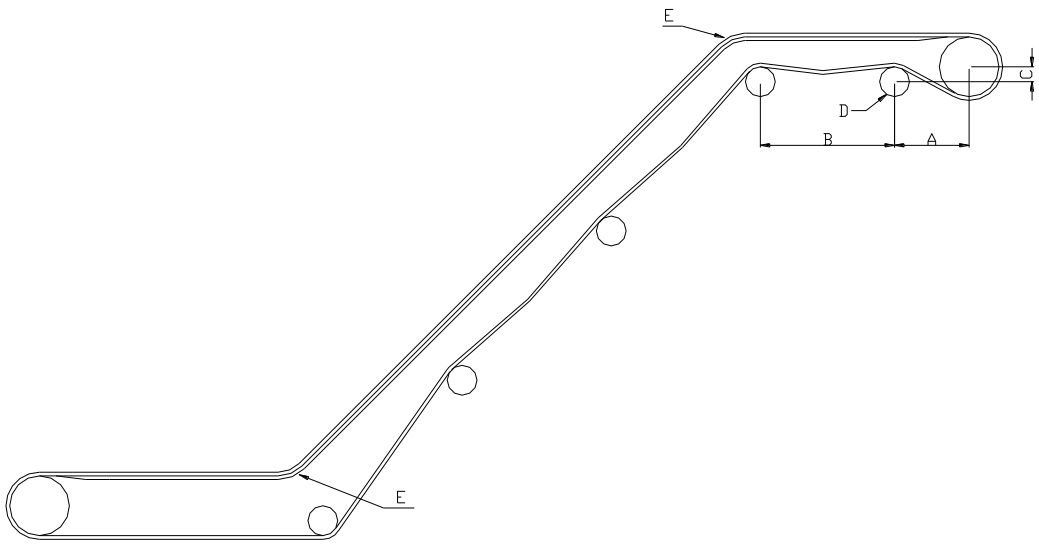
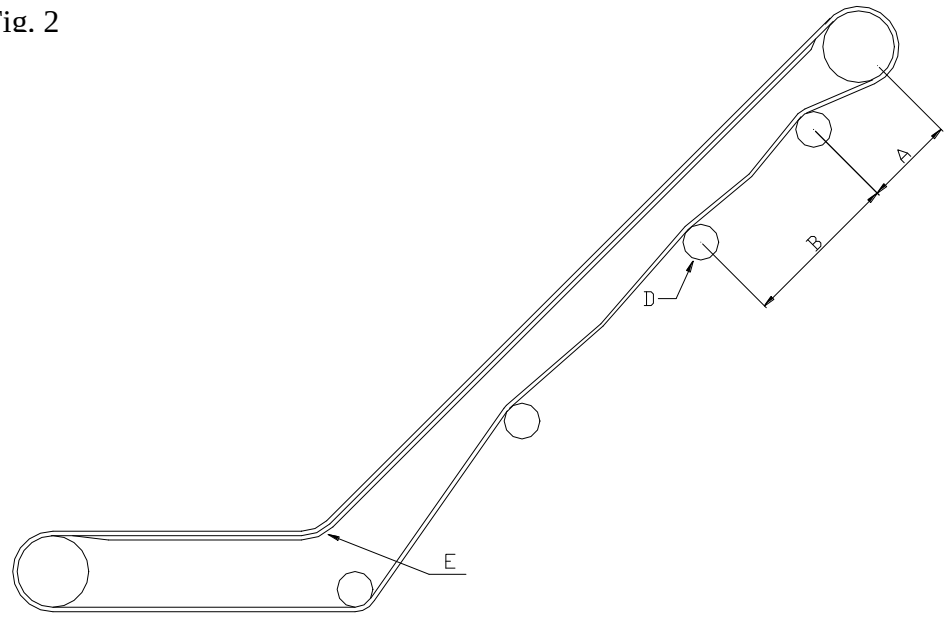


Fig. 2



A = 200 - 300 mm.
B = Min. 1000 mm - max.10% of the centre distance.
C = 0 - 50 mm.
D = S. 25 min.Ø 50 mm. - S. 50 min. Ø 100 mm.
E = Min. radius 150 mm

Recommendations for sprocket and belt support (C)

Sprockets						
Nominal belt width	Standard load			Heavy load		
mm	Series 12	Series 25	Series 50	Series 12	Series 25	Series 50
50	2	1	1	2	1	1
100	3	2	2	3	2	2
150	3	2	2	4	3	2
200	4	3	2	5	4	3
250	5	3	3	7	5	3
300	6	4	3	8	6	4
350	7	5	4	9	7	5
400	8	6	4	10	8	6
450	9	6	5	12	9	6
500	10	7	5	13	10	7
600	12	8	6	15	12	8
700	15	10	8	19	15	10
800	16	11	8	20	16	11
900	18	12	9	23	18	12
1000	20	14	10	25	20	14
1200	24	16	12	30	24	16
1500	30	20	15	38	30	20
1800	36	24	18	45	36	24
2100	44	28	21	53	42	28
2400	48	32	24	60	48	32
3000	60	40	30	75	60	40
3600	72	48	36	90	72	48
4000	80	54	40	100	80	54
	Max. space between sprockets	Max. space between sprockets	Max. space between sprockets	Max. space between sprockets	Max. space between sprockets	Max. space between sprockets
	50mm	75 mm	100 mm	40 mm	50 mm	75 mm

Belt support						
Nominal belt width	Serie 12		Serie 25		Serie 50	
mm	carry way	return way	carry way	return way	carry way	return way
50	2	2	2	2	2	2
100	2	2	2	2	2	2
150	2	2	2	2	2	2
200	3	2	3	2	2	2
250	3	2	3	2	3	2
300	3	2	3	2	3	2
350	4	3	4	3	3	3
400	4	3	4	3	3	3
450	4	3	4	3	3	3
500	5	3	5	3	4	3
600	5	3	5	3	4	3
700	6	4	6	4	5	4
800	7	4	7	4	5	4
900	7	4	7	4	5	4
1000	8	5	8	5	6	5
1200	9	5	9	5	7	5
1500	11	6	11	6	8	6
1800	13	7	13	7	9	7
2100	15	8	15	8	11	8
2400	17	9	17	9	12	9
3000	21	11	21	11	15	11
3600	25	13	25	13	17	13
4000	29	15	29	15	19	15
For other widths	Max. distance 150 mm	Max. distance 300 mm	Max. distance 150 mm	Max. distance 300 mm	Max. distance 225 mm	Max. distance 300 mm
When distance between shafts is more than 4 m, a roller is recommended on the return way.						

Thermal expansion/contraction (D)

All types of materials change dimensions when the temperature changes
Therefore you need to take this into consideration, when calculating a belt's dimensions and the frame constructions.

Below are the relevant factors for calculating a ScanBelt conveyor belt.

Material		Expansion/contraction mm/m/°C
Belt:		
Polypropylene	**PP**	0.12
Polyethylene	**PE**	0.22
Polyacetal	**POM**	0.09
Wear strip:		
U and V profile	**PEHD**	0.14
Frame material:		
Aluminium		0.02
Stainless steel		0.01

Formula:

E = L x (T2 - T1) x K
C = L x (T2 - T1) x K
E = Expansion (mm)
C = Contraction (mm)
L = Length/width of belt (m)
T1 = Normal temperature (21°C)
T2 = Working temperature
K = Coefficient

Example:

17 M.long, 1345 mm wide, PP. Normal temp. 21,° Working temp. 85 °C.

Length:
E = 17 x (85 - 21) x 0.12
E = 130.56 mm

Width:
E = 1.345 x (85 - 21) x 0.12
E = 10.33 mm

SERVICE FACTOR (SF)	
Unloaded starts & load applied gradually	1.0
Frequent starts under load, more than 1/hr.	+ 0.2
Belt speed greater than 30 mtr./min.	+ 0.2
Elevating conveyors	+ 0.4
Pusher conveyors	+ 0.2
SF total	

All frition values are theoretical and may not reflect the working conditions. For new belt on new wear strips, the values will in most cases be higher to begin with. The theoretical values are in any respect given under optimal condition. For more details please contact your ScanBelt distributor.

Coefficient of start-up friction between wear strip and belt								
Wearstrip material	Belt material							
	Polypropylene				Polyethylene		Acetal POM	
	Smooth			xx Abrasive		Smooth	Smooth	
	Wet		Dry	Wet	Dry	Wet	Dry	Wet	Dry
PEHD	0.09		0.11	-	-	-	-	0.09	0.08
UHMW	0.11		0.13	-	-	0.24*	0.32*	0.10	0.10
Steel	0.26		x 0.26	0.31	0.31	0.14	0.15	0.18	0.19
xx = Contact Scanbelt					x = Not recommended over 15 mtr./min.				

*Note that the wear will increase with the belt speed. It should be expected to be extensive for speeds greater than 15M/min

Coefficient of friction between product and belt						
Material:	Polypropylene		Polyethylene		Acetal POM	
	Smooth		Smooth		Smooth	
	Wet	Dry	Wet	Dry	Wet	Dry
Glass	0.18	0.19	0.08	0.09	0.13	0.14
Metal	0.26	0.32	0.10	0.13	0.19	0.20
Plastic	0.11	0.17	0.08	0.08	0.13	0.15
Cardboard	-	0.21	-	0.15	-	0.13

Material description (E)

Polyethylene (PE):

Thermal plastic with a weight mass of approx 0.92. grams/cm³.
Suitable for use in cold areas.
Temperature range from - 73 °C to + 66 °C.
High chemical resistance.
FDA approved.
Tough yet flexible material with a high impact strength.

Polyethylene Plus:

Thermal plastic with a weight mass of approx. 0.92 grams/cm³.
Suitable for use in medium temperature areas.
Temperature range from - 20° C to + 80°C.
High chemical resistance.
FDA approved.
Same characteristics as Polyethylene, with a 30% larger tensile strength as well as a reduced impact strength.

Polypropylene (PP):

Thermal plastic with a weight mass of approx. 0.92 grams/cm³.
Suitable for use in higher temperature areas.
Temperature range from + 5°C to + 100°C.
High chemical resistance.
FDA approved.
A strong material with a medium tensile strength, low impact strength at low temperatures.

Polypropylene heat stabilized:

Thermal plastic with a weight mass of approx. 0.92 grams/cm³.
Suitable for use in high temperature areas.
Temperature range from + 5°C to 100°C.
High chemical resistance.
FDA approved.
Medium tensile strength, low impact strength at low temperatures.

Polypropylene Composite:

Thermal plastic with a weight mass of approx. 1.25 grams/cm³.
Suitable for use in high temperature areas.
Temperature range from -20°C to + 130°C.
High chemical resistance.
FDA approved.
A strong and consistently stable material. Extremely high tensile strength, but has increased friction between the support and the belt. Low impact strength at low temperatures.

Polypropylene antistatic:

Thermal plastic with a weight mass of approx. 0.98 grams/cm³.
Suitable for use in areas requiring electrical diversion.
Temperature range from + 5°C to + 100 °C.
High chemical resistance.
Not FDA approved
Tensile strength as normal polypropylene.

Polyacetal (POM):

Thermal plastic with a weight mass of approx. 1.4 grams/cm³.
Suitable for use in both warm and cold areas.
Temperature range from - 43°C to + 95°C.
Has a limited resistance to certain chemicals. If in doubt, please contact ScanBelt.
FDA approved.
Consistently stable material with a high tensile strength.
Low friction between belt and support.
Low impact resistance at low temperatures.

Polyacetal antistatic:

Thermal plastic with a weight mass of approx. 1.4 grams</cm³.
Suitable for use in areas requiring electrical diversion.
Temperature range from - 43°C to + 95°C.
Not FDA approved
Other characteristics, are the same as polyacetal.

POM Cut Resistant (POM CR):

Temperature range from - 43°C to + 95°C.
The Cut Resistant POM has an improved cut resistance compared to the regular POM and PP materials. It has a superior abrasion resistance and a better impact strength than regular POM materials and it is highly rigid while maintaining pulling force and surface hardness. It also has a low coefficient of friction.

The Cut Resistant POM is offered in the S.25-800 S-L and S.50-808 S-L Flat top series. It is available in POM/Blue for both types.

Nylon 6:

Thermal plastic with a weight mass of approx. 1.08 grams/cm³.
Suitable for use in both warm and areas.
Temperature range from - 45°C to + 110°C.
High chemical resistance. Not suitable in damp areas at high temperatures.
FDA approved.
Tough yet flexible material with a high tensile strength as well as a high impact strength.

Nylon 6.6:

Thermal plastic with a weight mass of approx. 1.1 grams / cm^3.
Suitable for use in both warm and cold areas.
Temperature range from - 45°C to + 150°C.
High chemical resistance, though not suitable for use in very damp areas at high temperatures.
Not FDA approved
Tough yet flexible material with a high tensile strength as well as a high impact strength.

Nylon antistatic:

Thermal plastic with a weight mass of approx. 1.1 grams/cm^3.
Suitable for use where electrical diversion is required.
Temperature range from - 45°C to + 110°C.
High chemical resistance. Not suitable in wet areas.
Not FDA approved
Tough yet flexible material with a high tensile strength as well as a high impact strength.

Fire retarding polypropylene:

Thermal plastic with a weight mass of approx. 0.98 grams/cm^3.
Suitable for use in fire hazard areas, as in microwave ovens and the like.
Temperature range from + 5°C to + 120°C.
High chemical resistance.
Flammability VO (3,2 mm).
FDA approved.
Strong material with medium tensile strength. Low impact strength at low temperatures.

Friction material:

Thermal plastic with a weight mass of approx. 1.14 grams/cm^3.
Suitable for use in both warm and cold areas.
Temperature range from - 25°C to + 80°C.
High chemical resistance.
FDA approved.
Soft material with high friction, low tensile strength.
Suitable to put on the surface of PE and PP belts.
Used for belts with slight inclination.

Silicone and teflon material:

An additive added to polyethylene and polypropylene.
This material prevents products from freezing or sticking to the belt.
FDA approved.
The characteristics of the basic material are not changed essentially.

Metal detectable:

An additive added to polypropylene.
The compound is designed to be detected by metal detectors.
Sensibility degrees may vary with customer's equipment.

The material complies with FDA regulations for use in food processing and packaging.

Chemical resistance (F)

The chemical resistance of plastic materials.

The values in the following tables are guideline values. Factors such as filling material, temperature, concentrations, stress, stress time etc. can alter these values dramatically. Therefore no guarantee can be given for the correctness of said values. The values are valid at an ambient temperature of 20 °C, and unless otherwise stated, with strong concentrations.

Explanation of symbols:

+ : resistant:	None or only negligible changes in weight (< 0.5%). No changes in mechanical characteristics.
± : qualified resistance:	After a period of time, significant changes in weight and mass (0.5 - 5.0%). Possible discoloration and reduction in strength and ductility. Qualified usability, though only when dealing with simple material requirements.
- : inconstant:	It is rapidly subjected to serious attack, and changes in weight and mass (> 5%), and critical in strength and ductility. Not recommended for use.
%: concentration:	If value is not given it is because no test results are available from our suppliers.

Plastic material					
Vehicle	%	POM	PE	PP	PA
Acetaldehyde	40	+	+	+	
Acetaldehyde	12	+	+	+	+
Acetic acid	10	±	+	+	+
Acetic acid	80	-	+	+	+
Acetone	100	+	+	+	±
Alcohol	15	+	+	+	+
Allyl alcohol	100	+	+	+	
Aluminium chloride	10	+	+	+	±
Ammonia water	10	+	+	+	±
Ammonium chloride		+	+	+	±
Ammonium chloride	10	+	+	+	+
Aniline	100	+	+	+	±
Benzene	100	+	+	-	-
Benzyl alcohol	100	+	+	+	±
Boiled salt - cf. Sodium chloride	10	+	+	+	+
Boracic acid	10	+	+	+	±
Bromine acid	50	-	+	+	
Butanol	100	+	+	+	+
Butyl acetate	100	+	+	-	+
Calcium carbonate		+	+	+	+
Calcium chloride - aqueous	10	+	+	+	+
Calcium chloride - with sprit	20	+	+	+	±
Calcium hydroxide		+	+	+	+
Calcium carbonate - Carbon dioxide		+	+	+	+

Plastic material					
Vehicle	%	POM	PE	PP	PA
Caustic potash soln	10	+	+	+	+
Caustic potash soln	10	+	+	+	+
Caustic potash soln	50	+	+	+	+
Cellulose acetate		+	+	+	-
Citric acid	10	+	+	+	+
Chalk cf. -					
Carbon disulphide	100	+	+	+	-
Chlorine gas	100	-	+	-	
Chlorine water		-	+	+	-
Chloro-benzene	100	+	+	+	+
Chloroform	100	-	-	+	+
Chrome acid	10	-	+	+	-
Copper chloride		+	+	+	±
Copper sulphate		+	+	+	±
Diesel fuel	100	+	+	+	+
Dioxane	100	±	+	±	+
Di -vinyl chloride	100	+	-	+	
Edible oil		+	+	+	
Ethyl acetate	100	+	+	+	+
Ethyl alcohol	96	+	+	+	+
Ethyl ether	100	+	+	+	+
Formaldehyde - Flourine, dry		-	-	-	+
Freon 11		+	+	-	
Freon 12			+	-	
Freon 22			+	-	
Freon 113			+	-	
Glycerol	90	+	+	+	+

Plastic material Medie	%	POM	PE	PP	PA
Heptane	100	+	+	+	+
Hexane	100	+	+	+	+
Hydrargyrum	100	+	+	+	+
Hydrochloric acid	10	-	+	+	+
Hydrochloric acid	2	-	+	+	+
Hydrofluoric acid	40	-	+	+	-
Hydrogen peroxide	0.5	+	+	+	+
Hydrogen peroxide	1	+	+	+	±
Hydrogen peroxide	3	+	+	+	±
Hydrogen peroxide	10	+	+	+	±
Hydrogen peroxide	30		+	+	±
Hydrogen sulphide	2	-	+	+	
Iodine/Iodine - pot. -					-
Iron - 111 - Chloride		+	+	+	+
Isopropanol	90	+	+	+	+
Kerosine	100	+	+	+	+
Lactic acid	10	+	+	+	+
Leaching solution - 0.1 % free chlorine		-	+	+	-
Lead sugar		+	+	+	+
Liquid butane		+	+	+	+
Magbesium chloride - Aqueous	10	+	+	+	+
Manganese sulphate	10	+	+	+	+
Mercury chloride - Aqueous	5	+	+	+	+
Methanol	98	+	+	+	+
Metal acetate	100	+	+	+	+
Methylethylketone	100	+	+	+	+
Methylene chloride	100	-	+	+	+
Mineral oil	100	+	+	+	+
Nitric acid	10	-	+	+	+
Nitric acid - Concentrated	65	-	+	-	+
Nitrobenzene	100	+	+	+	±
Oleic acid - Concentrated	40	+	+	+	+
Oxalic acid	10	-	+	+	±

Plastic material Vehicle	%	POM	PE	PP	PA
Ozone		-	+	+	±
Petrol		+	+	+	±
Phenol, melted	100	-	+	+	±
Phenol, aqueous	10	-	+	+	±
Phosphoric acid	10	+	+	+	+
Phosphoric acid - Concentrated	80	-	+	+	+
Potassium	10	+	+	+	±
Pot. Bichromate	5		+	+	
Pot. Permanganata	1	+	+	+	
Salt cake - CF Sodium sulphate					±
Sea water	100	+	+	+	+
Silicone oil		+	+	+	+
Soap solution	1	+	+	+	
Soda lve, aqueous	50	+	+	+	
Soda lve, aqueous	10	+	+	+	+
Soda - cf. Sodium carbonate					
Sodium bisulphate	10	-	+	+	
Sodium carbonate	10	+	+	+	
Sodium hydroxide - cf. Sode lve					
Sodium sulphate	10	+	+	+	
Solution	3		+	+	
Sulphur dioxide		+	+	+	±
Sulphuric acid	98	-	-	-	-
Sulphuric acid	10	+	+	+	+
Sulphuric fuming		-	-	-	-
Terachlorocarbon	100	+	-	-	
Tetraline	100	+	+	+	+
Thionyl chloride	100	+	-	-	
Toluene	100	+	+	+	+
Trichloroethylene	100	+	-	+	±
Vinyl benzene	100	+	+	+	+
Water, cold		+	+	+	+
Wine		+	+	+	+
Wax, melted		+	+	+	+

Installation and maintenance (G)

Installation and maintenance instructions for ScanBelt conveyor belts

Although belts made by ScanBelt are easy to install and maintain, there are some points which should be observed:

Sprockets:

1. ScanBelt sprockets can be supplied for two types of shafts:

A - Square shaft.

- Ensure that the sprockets are aligned, so that the gear teeth are not displaced.
- For sprockets with lateral control, the middle sprocket should be fixed and the others allowed to float freely.
- For sprockets without lateral control, spacers can be mounted between the sprockets to prevent them from moving sideways.
- An acetal plastic (POM) retainer ring is also supplied with a 6 mm stainless centre screw which should be screwed down into the shaft. The groove for the screw should be made with a drill, file or right-angle grinder (depth 1 - 2 mm).

B - Round shaft with key way (ISO standard).

- Ensure that the sprockets are aligned, so that the gear teeth are not displaced.
- For sprockets with lateral control, the middle sprocket should be fixed and the others allowed to float freely.
- For sprockets without lateral control, spacers can be mounted between the sprockets to prevent them from moving sideways.
- An acetal plastic (POM) retainer ring is also supplied with a 6 mm stainless centre screw which Should be screwed down into the shaft. The groove for the screw should be med with a drill, file or right-angle grinder (depth 1 - 2 mm.)

2. The sprockets are normally supplied in acetal plastic (POM), but are also available in Nylon (PA6), and Polypropylene (PP) in cases where aggressive substances are used. (When in doubt, please contact ScanBelt.)

3. Wherever possible, the drive sprocket should be located between the supports.

4. The number of drive sprocket and supports can be seen from the table.

5. For correct dimensions and specifications, refer to the drawings and tables for the respective belt types.

6. Clean the sprockets regularly, as the accumulation of dirt on the sprockets can result in poor, or a complete lack of, engagement with the belt.

Belt:

1. Installation:

When installing a belt from ScanBelt, it is advantageous to ensure that the sprockets engage correctly, although not strictly necessary since the sprockets engage during operation. One should be careful to ensure that the side of the belt has a straight edge before securing with the plastic rod when assembling a belt from ScanBelt. The plastic rod used for assembling the belt is equipped, either a) with a head at one end or b)with clips.

a) After installation, any excess plastic rod should be cut off 1 - 2 mm from the belt´s outer edge. Soldering/plugging can be carried out with a special soldering iron which can be supplied by ScanBelt. If a soldering iron is not available, the plastic rod can be heated using, for instance, a lighter, after which soldering can be carried out with a soft press.

b) After installation, all rods are being locked, with the clips supplied with the belt

2. Maintenance:

In order to minimise wear and to prevent the belt from slipping it should be cleaned regularly.
Slipping of the belt can be caused by the belt being insufficiently tightened. If the conveyor is equipped with a tightening device, then this should be used to try to tighten the belt. If this is not sufficient, the belt should be shortened (see trouble-shooting table).
If the belt continues to slip, then contact ScanBelt.
New belts stretch, and it is therefore necessary to shorten the new belt shortly after operation has begun. This will usually be necessary after approx. 50 hours of operation.

3. Shortening/replacing damaged modules:

Always ensure that there are spare plastic rods and modules for the belt. Three extra rods are supplied with every new belt. Spare modules in standard widths of 200 mm, or other customized widths, can be supplied by ScanBelt upon request.
When shortening/replacing damaged modules, the plastic rod can be removed most easily by cutting it as close to the edge of the belt as possible. The part which has been cut off can then be removed using a knife or screwdriver, and the rest of the rod can be knocked out using a punch.
When shortening the belt, excess modules should be removed. In the case of damaged modules, these should be removed and replaced by new modules.
The belt can then be reassembled with new rods as described above in the section on installation.
In case of emergency, when no spare rods are available, the link closest to the edge can be removed so that an old rod can be used. This must be done only in cases of emergency. If more extensive repairs are required, then contact ScanBelt for a quotation. In the event of extensive damage, it may be more economical to buy a new belt.

Malfunction (H)

If the belt is malfunctioning

If the belt is not properly aligned:

Test / check: That the drive shaft and the flange roller are adjusted correctly.

If the belt pulls to one side:

Test / check: That the shaft is adjusted correctly; that the belt mounting stands rectangular. That the belt is tightened to the same degree on both sides.

If the edges of the belt wear:

Test / check: That the shaft is adjusted correctly; that the gap between the edges of the belt and the frame is wide enough when the operating temperature is at its highest and that the belt's supporting structure stands rectangular. That the shafts are locked in place so that they cannot move from side to side (if necessary, use retainer rings).

If the belt jumps a notch on the sprockets:

Test / check: That the sag on the belt is adjusted so that it engages the sprockets correctly (tighten as little as possible). That the products / materials do not collect on the return track.

If the belt is subject to severe wear and tear:

Test / check: That it is not being operated with excessive amounts of gravel, sand or similar products. That the belt is operating with a uniformly distributed load. That the belt is supported correctly. That the belt is not running at excessive speeds. That the correct wear strips are being used. That the belt´s supporting structure is level.

If the sprockets are subject to severe wear and tear:

Test / check: That the shafts are not twisted or bent, and that they are adjusted correctly. That the sprockets have been fitted correctly and that there are enough of them. That the belt is not being run too quickly or too tightly. That the belt is not being operated with excessive amount of gravel, sand or similar products.

If the rods are subject to severe wear and tear:

Test / check: That the belt is not being operated with excessive amounts of gravel, sand or similar products. That the belts is not being run too quickly. That the materials do not become congested on the belt.

If the rods work themselves loose from the belt:

Test / check: That the gap between the belt edges and the frame is wide enough when the operating temperature is at its highest. That the rods are fitted correctly and locked.

If the wearstrip are subject to severe wear and tear:

Test / check: That the belt is being operated with the correct type of wear strip. That the belt is not too tight.

If the edges of flights become worn:

Test / check: That there is enough space on the return track.

If the flights break:

Test / check: That the flights do not hit against the frame. That blockage do not occur at the in-feed.

If the belt becomes discoloured or is attacked by chemicals:

Test / check: That correct cleaning procedures are followed. That white belts are not exposed to strong sunlight (they turn a yellowish colour - use dark coloured belts instead!). That the operating tem-
perature is not too high.

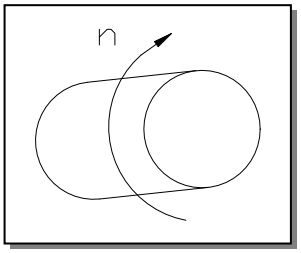
Calculation of motor power (I)

Sprocket Pitch diameter	D [mm]:
Belt Speed	V [m/min]:
Shaft Speed	n [rpm]
Belt Power	F [N]
Torquemoment	T [Nm]
Motorpower	P [kW]

EKS.

Sprocket Pitch diameter	97 mm
Belt Speed	10 m/min
Belt Power	25000 N

Shaft Speed of rotation

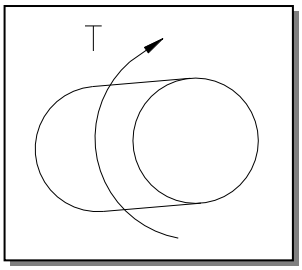


$$n = \frac{V * 10^3}{D * \pi}$$

$$n = \frac{10 * 10^3}{97 * \pi}$$

$$n = \underline{32.82 \sim 33 \text{ rpm}}$$

Torsionsmoment of shaft



$$T = \frac{F * D * 10^{-3}}{2}$$

$$T = \frac{25000 * 97 * 10^{-3}}{2}$$

$$\underline{T = 1213 \text{Nm}}$$

Motorpower

$$P = \frac{T * n}{9500}$$

$$P = \frac{1213 * 33}{9500}$$

$$P = \underline{4.2 \text{kW}}$$

11. Conditions of Sale and Delivery

General conditions of Sales and Delivery

1.Validity.

These conditions apply to all sales and deliveries unless other terms are agreed upon and confirmed in writing by ScanBelt A/S.

2. Price.

2.1 All prices are in Danish Kroner (Dkr.) and exclusive of VAT. Until the delivery, the buyer is obliged to accept any changes in price as a result of a documented increase in expenses for the seller due to a change in foreign exchange, quotations, taxes, duties etc. regarding the order previously agreed on.

3. Payment

3.1 Payment shall be made no later than the date which is specified on the invoice as the last date for payment.
If such a date is specified, the conditions of payment shall be cash on delivery.

3.2 If the delivery is postponed due to buyer conditions (creditor's default), the buyer is nonetheless obliged to make all payments to the seller as if the delivery had arrived at the time agreed upon - unless the seller, in writing, has informed the buyer of any changes.

3.3 Any delay in payment will automatically and without further notice be subject to a penalty of 2% per commenced month on any amount.

3.4 Under no circumstances may the buyer withhold all or part of any payment to the seller or offset all or part of any payment to the seller against any outstanding claim against the seller.

4. Retention of title

4.1 The seller, or a third party, to whom he has assigned his rights (cf. 9), retains the title to the goods sold, within those limitations prescribed by statute until the invoice amount and any expenses incurred have been received in full.

4.2 If the items are sold with a view to their being built into a larger unit or being joined with other objects, then said items are not subjected to the above retention of title provision after any such building in or joining has taken place.

5. Delivery

5.1 Unless other terms are agreed upon and confirmed in writing by ScanBelt A/S, delivery is ex. works.

5.2 The specified time of delivery is set by the seller as the best estimate in the light of conditions prevailing at the time the quotation was made and the agreement entered into. Unless specifically agreed elsewhere, a deferment of the delivery by as much as fourteen days due to circumstances at the seller shall in every respect be understood as constituting a delivery within a reasonable period of time, and the buyer may not on the basis of such a deferment bring any claims against the seller.

5.3 If delays in the delivery occur because the seller finds himself in one of the circumstance started in 6.4., deferment in delivery shall be to that period of time for which the circumstances persists, though either party shall be entitled, without incurring any further liability, to annul the agreement if the delay caused by said circumstances exceeds three months. This provision applies no matter whether the cause to such a delay began prior of or after expiration of the agreed delivery schedule.

5.4 The seller shall in the above-mentioned situation and without undue delay inform the buyer of the changes in the delivery schedule.

6. Packing

6.1 The buyer pays for the packing, unless it is clearly evident that it is included in the price.

7. Defects and claims

7.1 Upon receiving the items the buyer shall immediately inspect them in a accordance with proper business practice.

7.2 Any claim regarding defects in the goods supplied must be submitted in writing by the buyer to the seller immediately. When such defects are noticed or should have been noticed if they are to be upheld. If the buyer notices or should have noticed a defect but does not make a claim as outlined above, he may not make such a claim at a later time.

7.3 The seller may elect either to remedy the defect on the delivered item or re-deliver.

7.4 Having received written notice as described in 7.2. The seller shall deal with the defect without undue delay.
The seller shall cover all costs associated with this. Repairs shall be carried out on the buyers premises unless the seller feels it expedient for the defective part or materials to be returned so that the seller can repair or replace it in his own workshop. If the disassembly and assembly of such defective parts require technical expertise then the seller is obliged to undertake said disassembly or assembly. If such technical expertise is unnecessary the sellers liabilities regarding the defective part are met when a suitable repaired or new part is delivered to the buyer.

7.5 If the buyer has made a claim as specified in 7.2. and events prove that no defect exists for which the seller is found liable, the seller shall be entitled to remuneration for the work and the expenses incurred in investigating the claim.

7.6 If remedy or re-delivery as detailed in 7.3. does not occur within a reasonable period of time, buyer, in compliance with normal Danish Law and under the terms of these general conditions of sale and delivery, is entitled to terminate the agreement, demand a price reduction, or demand compensation.

7.7 If the buyer has not drawn the sellers attention to any defect in the delivered items within twelve months of their being delivered, then no such claim can be made in the future. The seller shall have similar liabilities for parts which are replaced or repaired as for the original items (cf. 7.3.) for a further period of twelve months, though with the provision that the sellers defect liability for any part of the item shall not extend longer than two years after the original date of delivery.

7.8 If any changes or alterations are made to the items supplied without the sellers written agreement, the seller shall be released from all liability.

8. Limitations of liability.

8.1 Any claim made by the buyer may not exceed the invoice amount for the item in question.

8.2 The seller's liabilities only cover defects which occur under the operating conditions described in this agreement and during correct use of the items supplied. The sellers liabilities shall not extend to defects that arise due to causes which occur after liability has passed to the buyer. Liability does not cover defects due to poor maintenance, incorrect assembly carried out by the buyer, changes made without the sellers prior written permission, or repairs carried out in an inadequate manner by the buyer.
Liability does not include the consequences of any errors or defects in the design used by the seller, nor a failure to follow the sellers instructions. Finally, liability does not cover normal wear and tear.

8.3 The terms of this agreement do not make the seller liable for loss of production, loss of profit, or any other indirect loss which may occur, including indirect loss which may occur as a result of delays or of defects in the items supplied.

8.4 The following circumstances shall result in the seller being exempted from liability if they prevent the terms of the agreement being met or make meeting the terms of the agreement unreasonably burdensome:
Labour disputes and any situation over which the parties have no control, such as fire, war, the general mobilisation of troops or unforeseen call up orders affecting straff on a similar scale, commandeering of facilities and/ or raw materials, foreign currency restrictions, riots and unrest, lack of transportation facilities, normal shortages of goods, and energy supply restrictions and in addition defects in or delays to deliveries from subcontractors which are due to one or more of the circumstances named above. Any of the above-mentioned circumstances which began prior to the quotation being made and the agreement entered into shall only exempt the seller from liability if their effect on the fulfilment of the agreement could not reasonably be foreseen at that time.

8.5 The seller is obliged to inform the buyer in writing and without undue delay should any of the circumstances named in 8.4. occur.

9. Return of items.

9.1 Unless otherwise agreed, items sold can be returned only on the receipt of the written agreement of the seller and with a ten percent deduction.

9.2 In case the seller has a right to annul the agreement or if the sold goods are returned to the seller with the intention that they are to be repaired or replaced, the freight is to be paid by the buyer and at the buyer's own risk.
If the seller is inflicted any freight charges etc. the seller is entitled to demand that these are refunded by the buyer and/or include them in any claims the buyer might have against the seller.

10. Product liability.

10.1 Product liability is subject to Danish Law current at the time in question. Except to the extent to which he is made liable for any loss of production, loss of profit or any other indirect loss.
The sellers liability is in all situations limited to the cover available through the sellers product liability insurance.

11. Transfer or rights and obligations.

11.1 The seller is entitled to transfer all rights and obligations named in this agreement to a third party.

12. Disputes.

12.1 Any disputes that may arise between the parties relating either to these general conditions of sale and delivery or to other commercial transactions between the parties is to be resolved by arbitration and according to Danish Law.

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