SPARKS BELTING COMPANY

SPARKS
A JSJ Business
DURA•LOCK

Technical Information

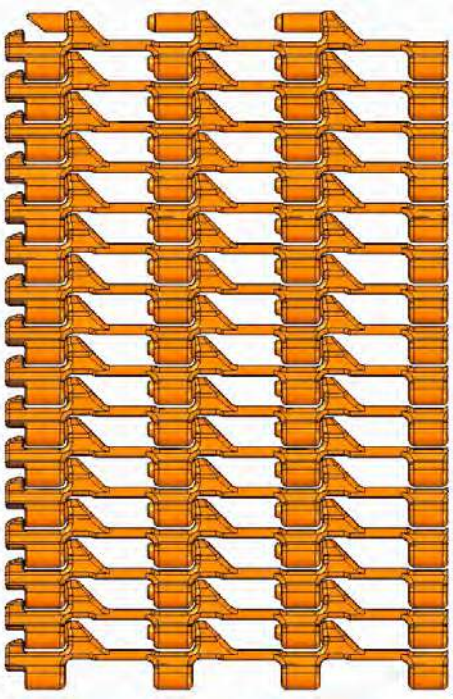
1. Belt S.06 Pitch 6.25 mm (.25”)
2. Belt S.12 Pitch 12.5 mm (.49”)
3. Belt S.25 Pitch 25 mm (.98”)
4. Belt S.50 Pitch 50 mm (1.97”)
5. Belt S.75 Pitch 75 mm (2.95”)
6. S.25 Radius belts. Pitch 25 mm (.98”)
7. S.50 Radius belts. Pitch 50 mm (1.97”)
8. Accessories
9. Construction and Installation Instructions

1.Belt S.06

Pitch 6.25 mm (.25”)



S.06-401

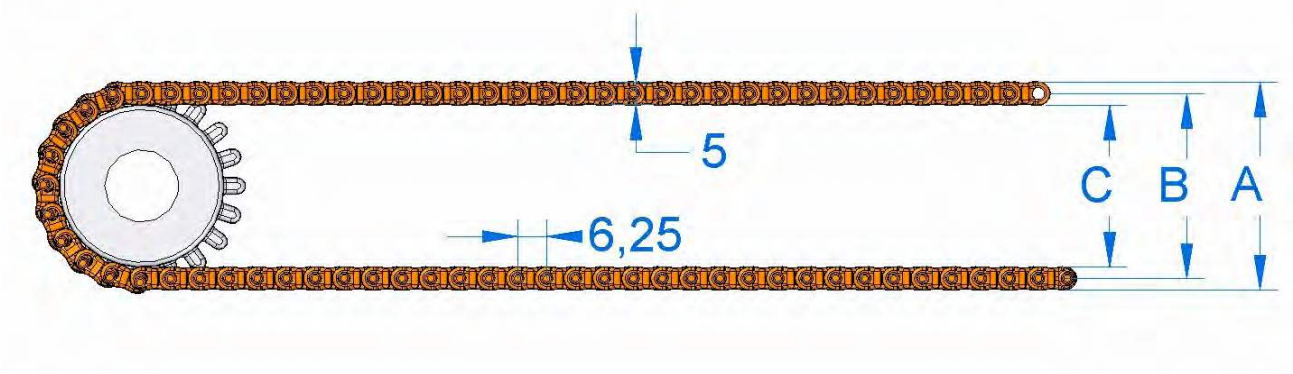


Belt Data		
Materials	Max. belt pull Lb/ft of width	Belt weight lb/square ft
Polyacetal (POM)	Min. 165	.57

Belt surface:	Open belt with a smooth surface.
Open area:	40%. Biggest opening 4 x 8 mm (.16 x .31).
Strength:	Ideal choice for light transportation.
Material/colour:	POM / Natural
Cleanability:	Excellent. FSIS
Accessories:	
Application:	Transport of products that require a very small transfer. Will run over a ¼" nosebar.
Standard widths:	Increments of 40mm (1.57), **starting** at 120mm (4.72)

PAT. PENDING

Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch diameter	C= Inside-diameter		Round bore		Square bore	
					mm	in.	mm	in.
20	44 (1.73)	39 (1.54)	35 (1.38)		20			
36	74 (2.91)	69 (2.72)	65 (2.56)		20/25		25	
48	96 (3.78)	91 (3.58)	87 (3.43)		20/25		25/40	

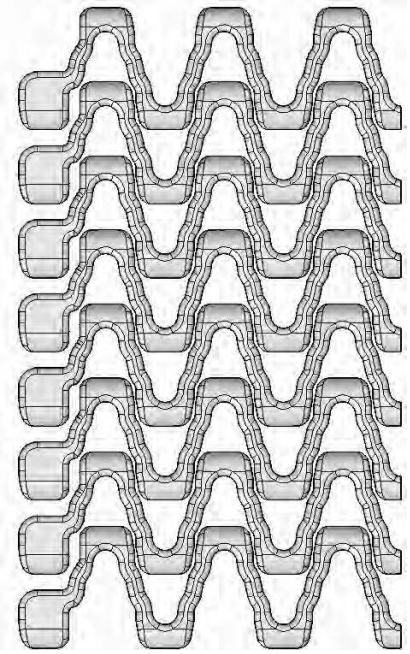


2. Belt S.12

Pitch 12.5 mm (.49”)



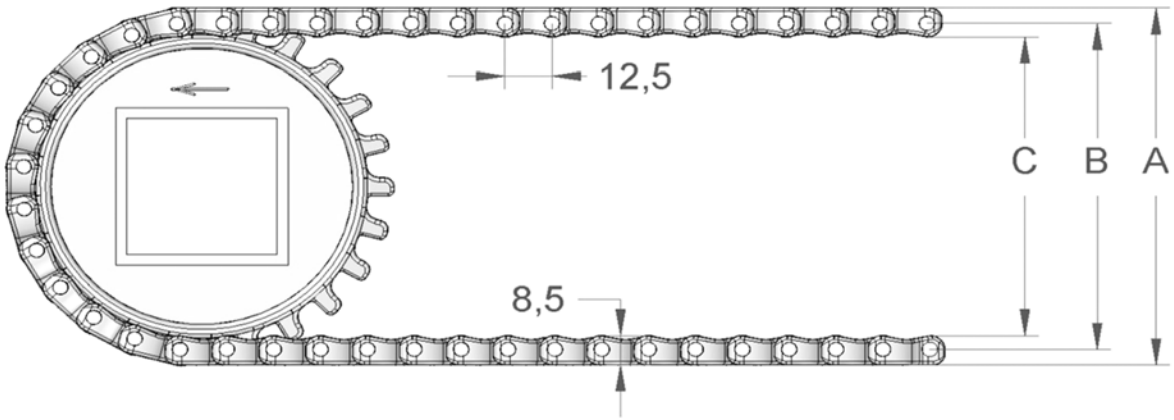
S.12-401



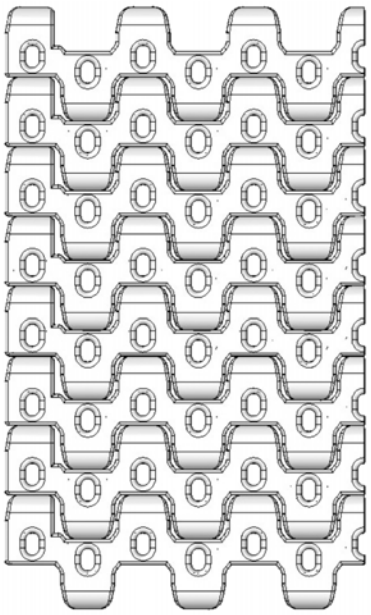
Belt Data		
Materials	Max. belt pull Lb/ft of width	Belt weight lb/square foot
Polyethylene (PE)	400	.71
Polypropylene (PP)	535	.71
Polyacetal (POM)	975	1.00

Belt surface:	Open belt with a smooth surface.
Open area:	40%. Biggest opening 6 x 8 mm (.24 x .31)
Strength:	Ideal choice for light transportation.
Material/colour:	PE/nat, PP/white and grey. POM/blue
Cleanability:	Excellent. FSIS
Accessories:	
Application:	Cooling belt for small nose bar (14mm minimum)
Standard widths:	Increments of 20 mm (.79), e.g. 100 (3.94), 120 (4.72), etc. Special widths available on request
Food approved	

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 (1.97)	42 (1.65)	33 (1.30)	16 (.63)	20	.75		
19	84 (3.31)	76 (2.99)	67 (2.64)	16 (.63)	20/25/30/40	1	25/40	1½
24	104 (4.09)	96 (3.78)	87 (3.43)	16 (.63)	20/25/30/40	1	25/40	1½
28	120 (4.72)	112 (4.41)	103 (4.05)	16 (.63)	20/25/30/40	1	25/40	1½



S.12-406

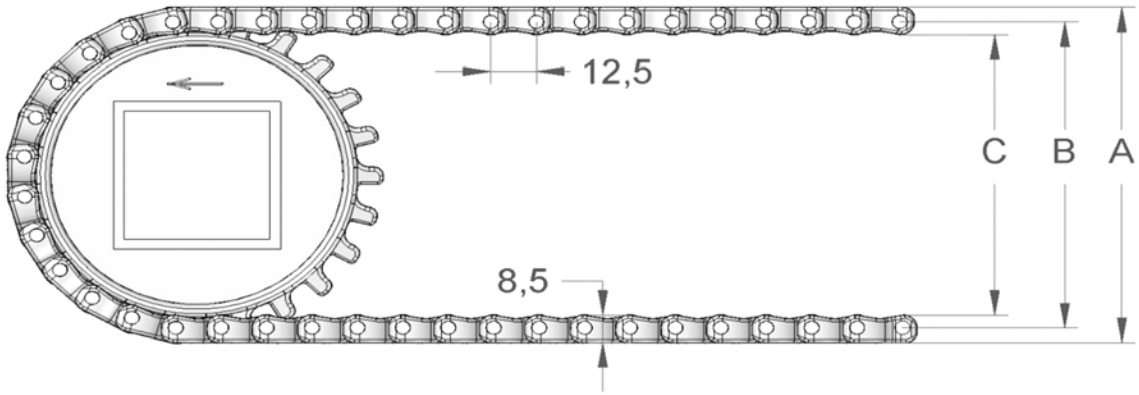


Belt Data		
Materials	Max. belt pull Lb/ft of width	Belt weight lb/square foot
Polyethylene (PE)	400	.92
Polypropylene (PP)	535	.92
Polyacetal (POM)	975	1.22

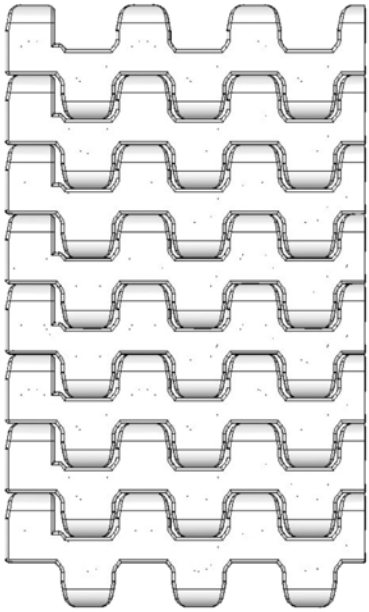
Belt surface:	Perforated flat top.
Open area:	8%. Biggest opening 4 x 2,5 mm (.16 x .10)
Strength:	Ideal choice for light transportation.
Material/colour:	PE/nat, PP/white and grey. POM/blue
Cleanability:	Excellent. FSIS
Accessories:	25 mm (.98) flights, friction top.
Application:	Cooling belt for small nose bar (14mm minimum)
Standard widths:	Increments of 20 mm (.79), e.g. 100 (3.94), 120 (4.72), etc. Special widths available on request

Food approved

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 (1.97)	42 (1.65)	33 (1.30)	16 (.63)	20	.75		
19	84 (3.31)	76 (2.99)	67 (2.64)	16 (.63)	20/25/30/40	1	25/40	1½
24	104 (4.09)	96 (3.78)	87 (3.43)	16 (.63)	20/25/30/40	1	25/40	1½
28	120 (4.72)	112 (4.41)	103 (4.05)	16 (.63)	20/25/30/40	1	25/40	1½



S.12-408

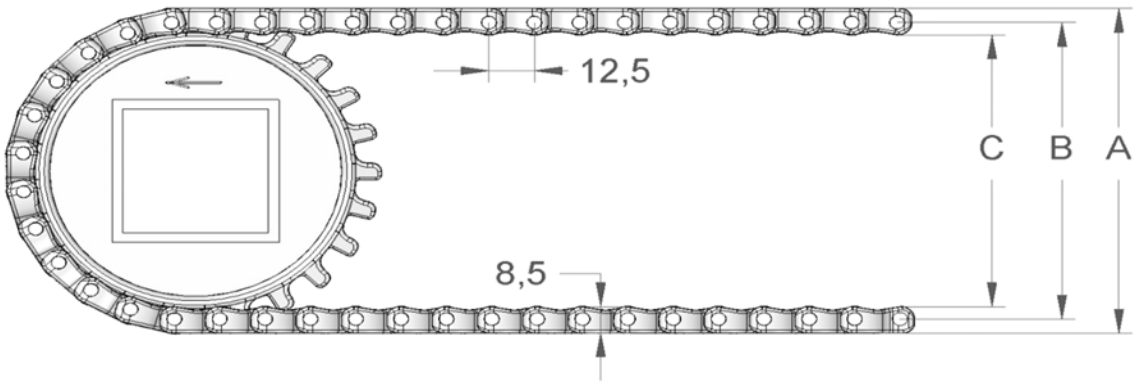


Belt Data		
Materials	Max. belt pull Lb/ft of width	Belt weight lb/square foot
Polyethylene (PE)	400	.92
Polypropylene (PP)	535	.92
Polyacetal (POM)	975	1.22

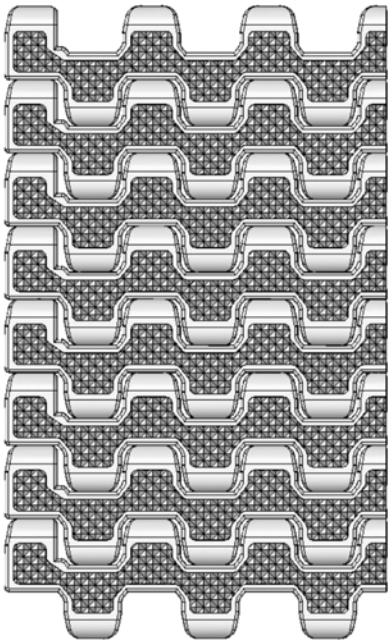
Belt surface:	Flat top.
Open area:	Closed.
Strength:	Ideal choice for light transportation.
Material/colour:	PE/nat, PP/white and grey. POM/blue
Cleanability:	Excellent. FSIS
Accessories:	25 mm (.98) flights, friction top.
Application:	Cooling belt for small nose bar (14mm minimum)
Standard widths:	Increments of 20 mm (.79), e.g. 100 (3.94), 120 (4.72), etc. Special widths available on request

Food approved

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 (1.97)	42 (1.65)	33 (1.30)	16 (.63)	20	.75		
19	84 (3.31)	76 (2.99)	67 (2.64)	16 (.63)	20/25/30/40	1	25/40	1½
24	104 (4.09)	96 (3.78)	87 (3.43)	16 (.63)	20/25/30/40	1	25/40	1½
28	120 (4.72)	112 (4.41)	103 (4.05)	16 (.63)	20/25/30/40	1	25/40	1½



S.12-408F (friction)

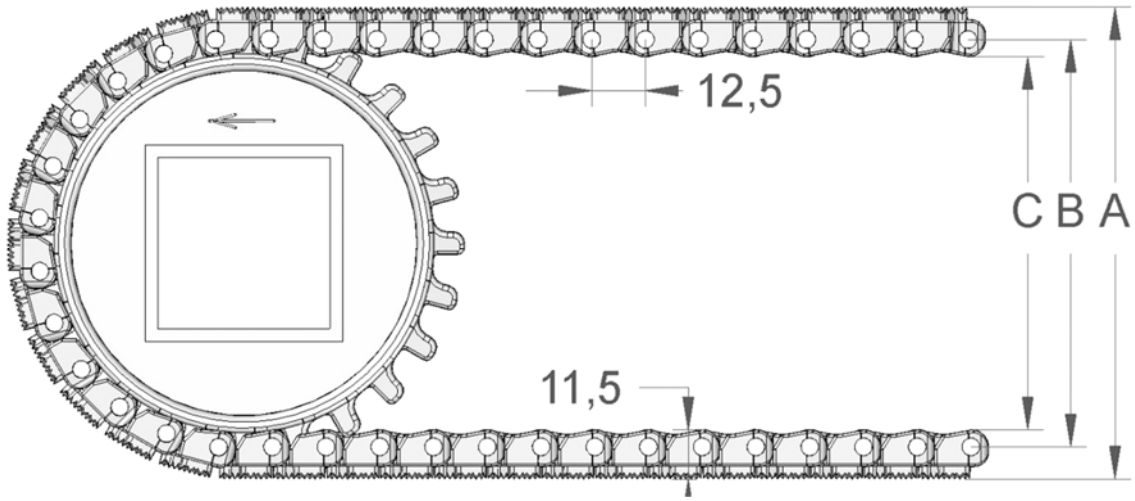


Belt Data		
Materials	Max. belt pull Lb/ft of width	Belt weight lb/square foot
Copolymer:	500	1.22

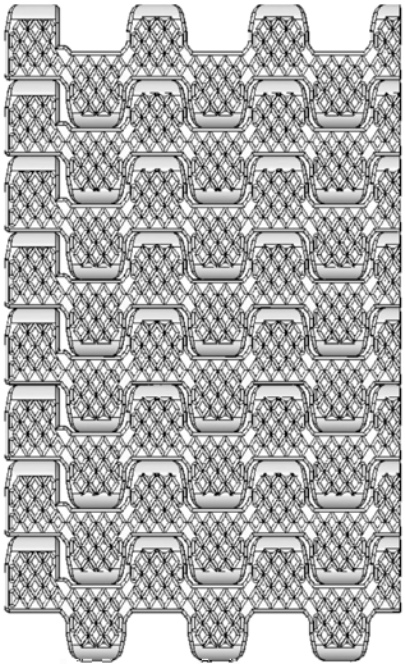
Belt surface:	Flat top with friction surface.
Open area:	Closed.
Strength:	Ideal choice for light transportation.
Colour:	nat/white.
Cleanability:	Excellent. FSIS
Accessories:	25 mm (.98) flights
Application:	Transport of goods on a slightly inclined conveyor.
Standard widths:	Increments of 20 mm (.79), e.g. 100 (3.94), 120 (4.72), etc. Special widths available on request

Food approved

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	56 (2.20)	42 (1.65)	33 (1.30)	16 (.63)	20	.75		
19	90 (3.54)	76 (2.99)	67 (2.64)	16 (.63)	20/25/30/40	1	25/40	1½
24	110 (4.33)	96 (3.78)	87 (3.43)	16 (.63)	20/25/30/40	1	25/40	1½
28	126 (4.96)	112 (4.41)	103 (4.05)	16 (.63)	20/25/30/40	1	25/40	1½



S.12-448

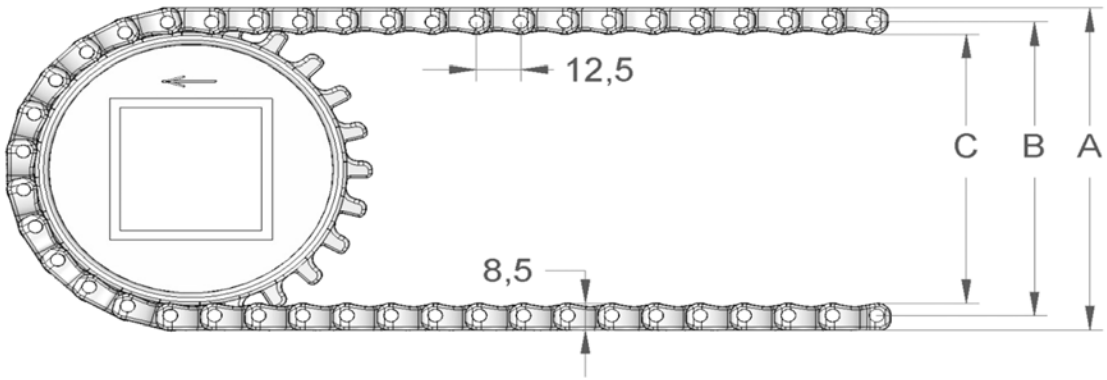


Belt Data		
Materials	Max. belt pull Lb/ft of width	Belt weight lb/square foot
Polyethylene (PE)	400	.92
Polypropylene (PP)	535	.92
Polyacetal (POM)	975	1.22

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 (.98) flights, friction top.
Application:	Proofing belt for raw dough. The inverted diamond pattern ensures easy product release.
Standard widths:	Increments of 20 mm (.79), e.g. 100 (3.94), 120 (4.72), etc. Special widths available on request

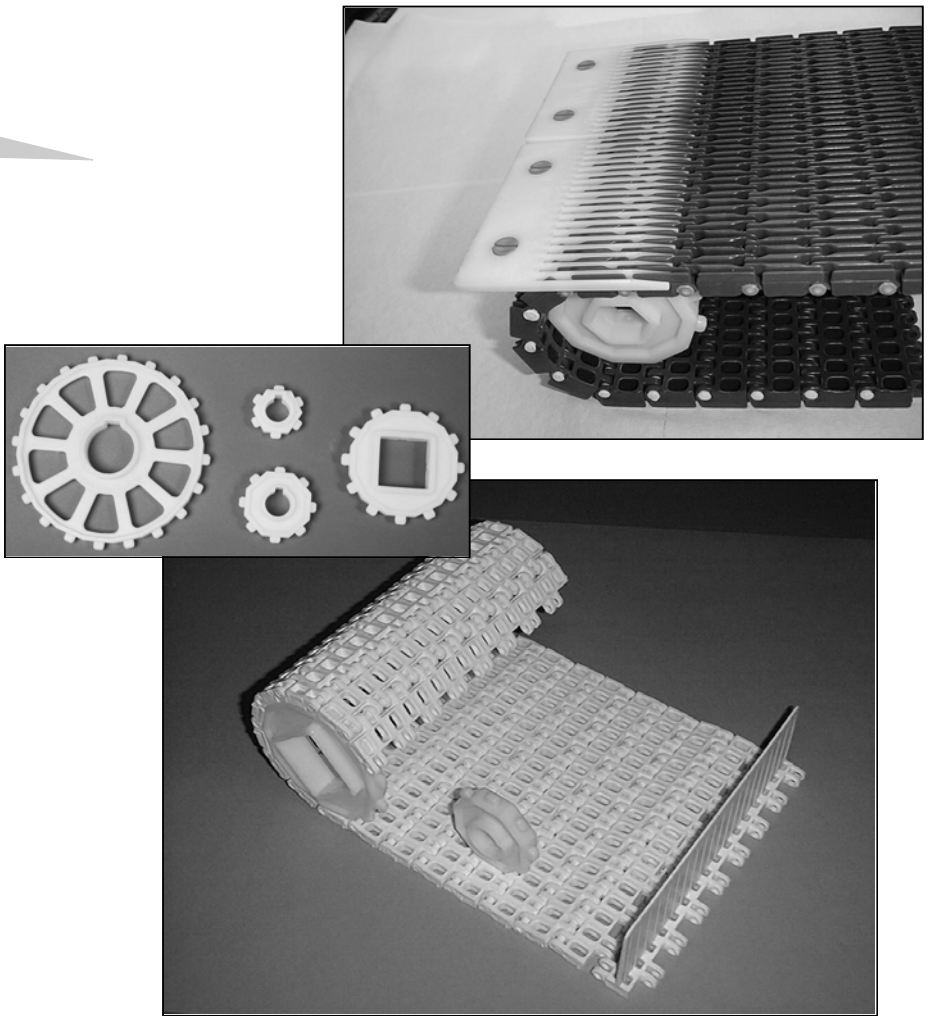
Food approved

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 (1.97)	42 (1.65)	33 (1.30)	16 (.63)	20	.75		
19	84 (3.31)	76 (2.99)	67 (2.64)	16 (.63)	20/25/30/40	1	25/40	1½
24	104 (4.09)	96 (3.78)	87 (3.43)	16 (.63)	20/25/30/40	1	25/40	1½
28	120 (4.72)	112 (4.41)	103 (4.05)	16 (.63)	20/25/30/40	1	25/40	1½

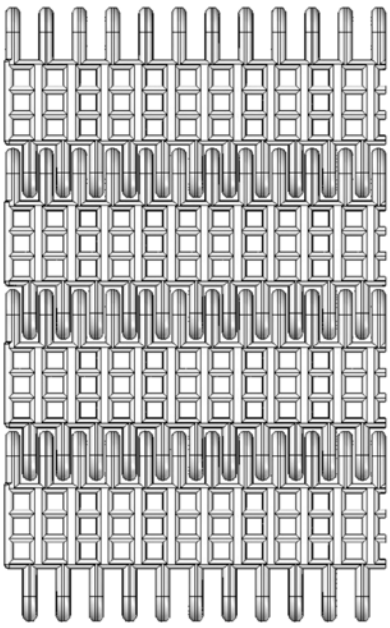


3. Belt S.25

Pitch 25 mm. (.98”)



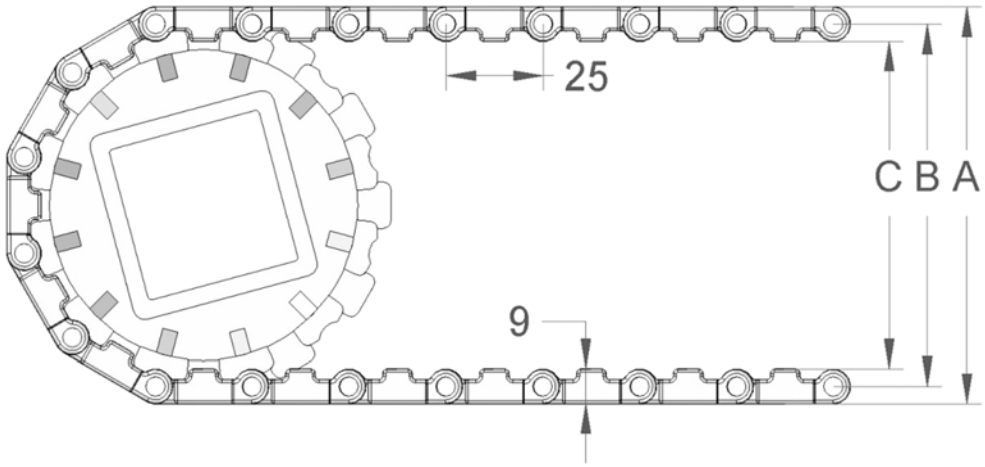
S.25-100



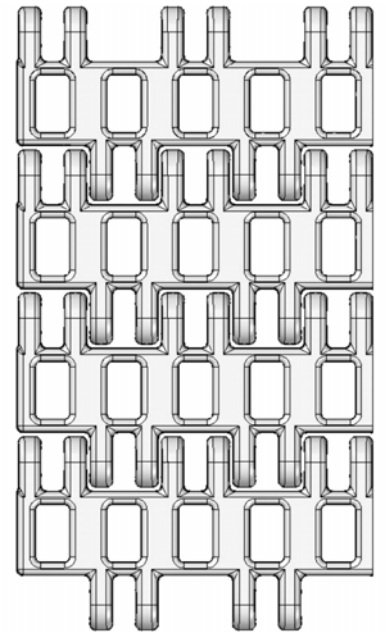
Belt Data		
Materials	Max. belt pull Lb/ft of width	Belt weight lb/square foot
Polyethylene (PE)	360	.92
Polypropylene (PP)	500	.92
Polyacetal (POM)	840	1.22

Belt surface:	Open belt with a smooth surface.
Open area:	20 %. Biggest opening 3 x 3 mm (.12 x .12)
Strength:	Ideal choice for light transportation.
Material/colour:	PE/nat, PP/white and grey. POM/blue
Cleanability:	Good.
Accessories:	5 (.20), 25 (.98) and 50 mm (1.97) flights, 25 (.98) and 50 mm (1.97) side guards. 25 (.98) and 50 mm (1.97) friction flights.
Application:	Catering, dairy, snacks and seafood industry.
Standard widths:	Increments of 6 mm (.24), e.g. 100 (3.93), 106 mm (4.17) etc
Food approved	

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 (2.32)	50 (1.97)	41 (1.61)	40 (1.57)	20			
12	106 (4.17)	97 (3.82)	88 (3.46)	40 (1.57)	20/25/30/40	1	40	1½
20	172 (6.69)	161 (6.34)	152 (5.98)	40 (1.57)	25/30/40	1	40/60	1½/2½



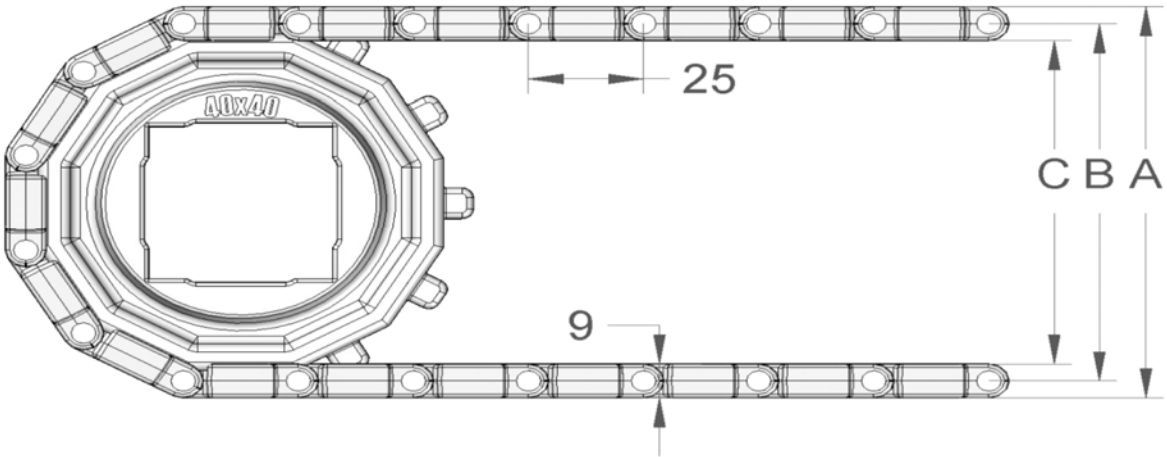
S.25-400



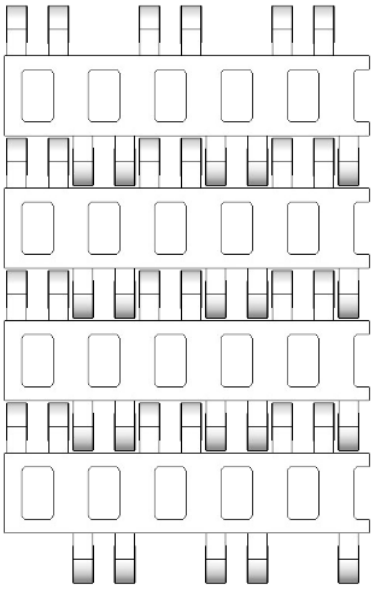
Belt Data		
Materials	Max. belt pull Lb/ft of width	Belt weight lb/square foot
Polyethylene (PE)	425	1.0
Polypropylene (PP)	710	1.0
Polyacetal (POM)	1000	1.43

Belt surface:	Open belt with a smooth surface.
Open area:	29 %. Biggest opening 6 x 10 mm (.24 x .39)
Strength:	Ideal for medium weight transportation..
Material/colour:	PE/nat, PP/white and grey. POM/blue
Cleanability:	Excellent. FSIS
Accessories:	5 (.20), 25 (.98) and 50 mm (1.97) flights, 25 (.98) and 50 mm (1.97) 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 (.98), e.g. 100 (3.93), 125 mm (4.92) etc Special widths available on request
Food approved	

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 (2.13)	45 (1.77)	36 (1.42)	20 (.79)	20			
8	70 (2.76)	61 (2.40)	52 (2.05)	20 (.79)	20/25	1	25	1
12	104 (4.09)	95 (3.74)	86 (3.39)	20 (.79)	20/25/30/40	1/1¼	25/40	1½
20	169 (6.65)	160 (6.30)	151 (5.94)	35 (1.38)	25/30/40	1/1¼	25/40/60	1½/2½



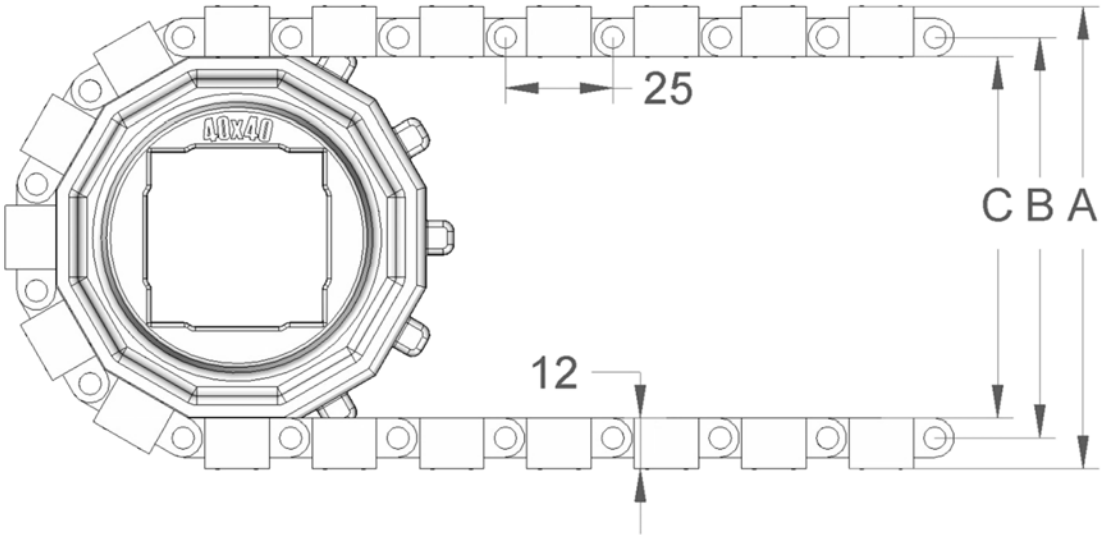
S.25-400F (friction)



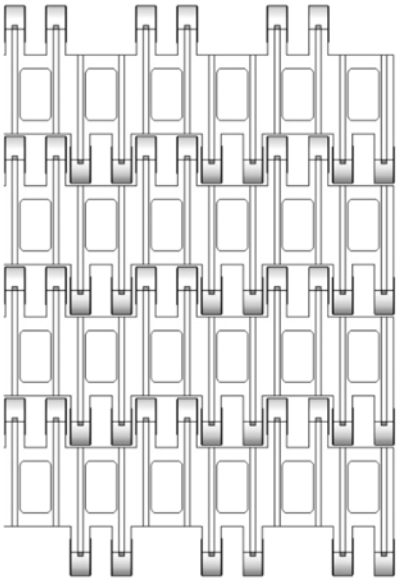
Belt Data		
Materials	Max. belt pull Lb/ft of width	Belt weight lb/square foot
Copolymer:	600	1.43

Belt surface:	Friction surface.
Open area:	29 %. Biggest opening 6 x 10 mm (.24 x .39)
Strength:	Ideal for medium weight transportation..
Material/colour:	PE/nat, PP/white and grey. POM/blue
Cleanability:	Excellent. FSIS
Accessories:	5 (.20), 25 (.98) and 50 mm (1.97) flights, 25 (.98) and 50 mm (1.97) side guards., friction top.
Application:	Transport of packed goods on a slightly inclined conveyor.
Standard widths:	Increments of 25 mm (.98), e.g. 100 (3.93), 125 mm (4.92) etc Special widths available on request
Food approved	

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 (2.28)	45 (1.77)	36 (1.42)	20 (.79)	20			
8	70 (2.91)	61 (2.40)	52 (2.05)	20 (.79)	20/25	1	25	1
12	104 (4.25)	95 (3.74)	86 (3.39)	20 (.79)	20/25/30/40	1/1¼	25/40	1½
20	169 (6.81)	160 (6.30)	151 (5.94)	35 (1.38)	25/30/40	1/1¼	25/40/60	1½/2½



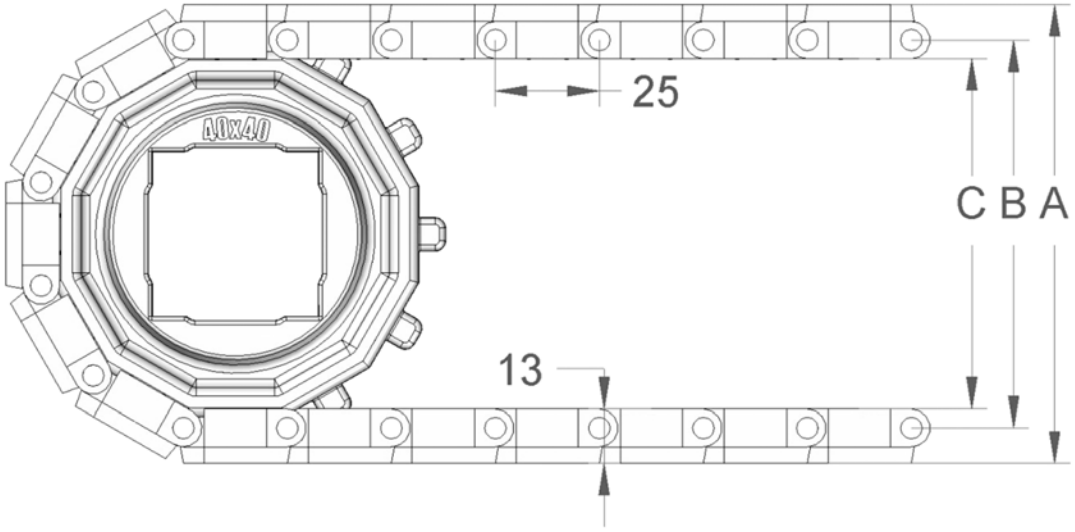
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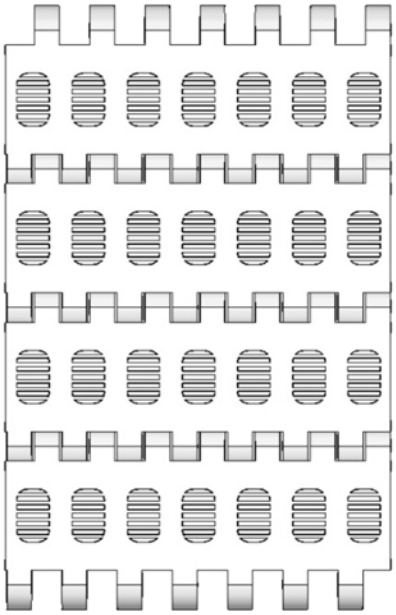
Belt Data		
Materials	Max. belt pull Lb/ft of width	Belt weight lb/square foot
Polyethylene (PE)	470	1.22
Polypropylene (PP)	750	1.22
Polyacetal (POM)	1000	1.54

Belt surface:	Raised ribs, 5 mm.
Open area:	29 %. Biggest opening 6 x 10 mm (.24 x .39)
Strength:	Ideal for medium weight transportation..
Material/colour:	PE/nat, PP/white and grey. POM/blue
Cleanability:	Excellent. FSIS
Accessories:	5 (.20), 25 (.98) and 50 mm (1.97) flights, 25 (.98) and 50 mm (1.97) side guards., friction top.
Application:	Transport of products which demand a low contact surface.
Standard widths:	Increments of 25 mm (.98), e.g. 100 (3.93), 125 mm (4.92) etc Special widths available on request
Food approved	

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 (2.40)	45 (1.77)	36 (1.42)	20 (.79)	20			
8	70 (3.07)	61 (2.40)	52 (2.05)	20 (.79)	20/25	1	25	1
12	104 (4.41)	95 (3.74)	86 (3.39)	20 (.79)	20/25/30/40	1/1¼	25/40	1½
20	169 (6.97)	160 (6.30)	151 (5.94)	35 (1.38)	25/30/40	1/1¼	25/40/60	1½/2½



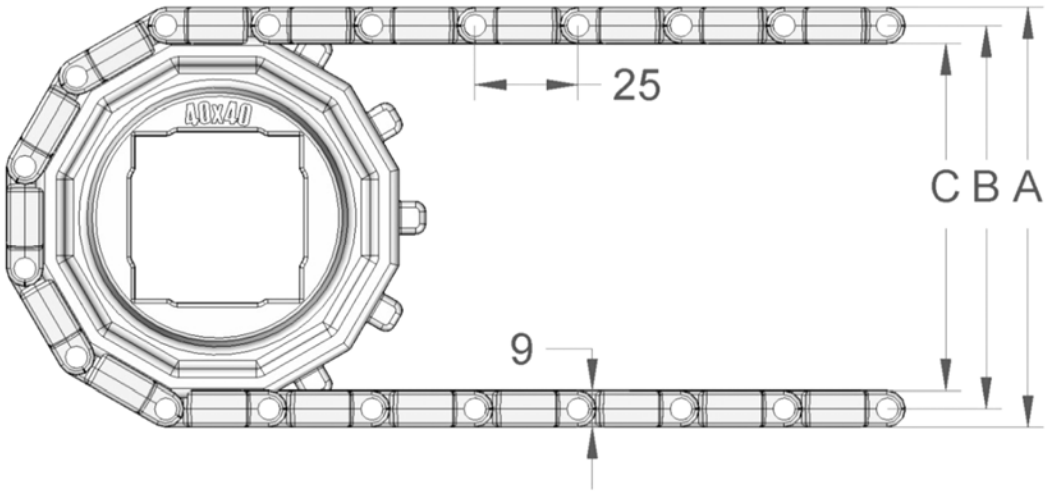
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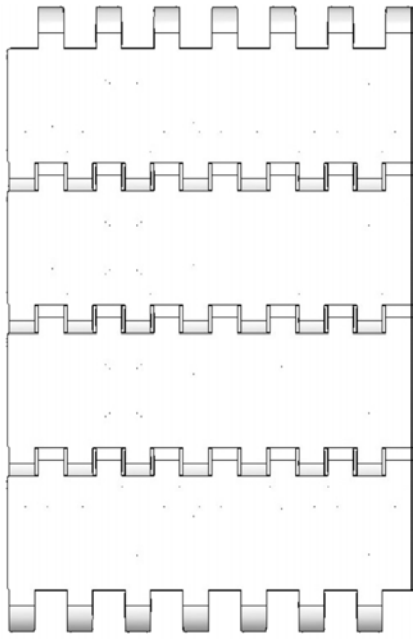
Belt Data		
Materials	Max. belt pull Lb/ft of width	Belt weight lb/square foot
Polyethylene (PE)	600	1.22
Polypropylene (PP)	840	1.22
Polyacetal (POM)	1600	1.64

Belt surface:	Perforated flat top.
Open area:	13 %. Biggest opening 1 x 6 mm (.04 x .24)
Strength:	Ideal for medium weight transportation.
Material/colour:	PE/nat, PP/white and grey. POM/blue
Cleanability:	Good
Accessories:	3 (.12), 25 (.98) and 50 mm (1.97) flights, 25 (.98) and 50 mm (1.97) side guards. 25 (.98) and 50 mm (1.97) 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 10mm (.39), e.g. 100 (3.93), 110 (4.33)
Food approved	

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 (2.13)	45 (1.77)	36 (1.42)	20 (.79)	20			
8	70 (2.76)	61 (2.40)	52 (2.05)	20 (.79)	20/25	1	25	1
12	104 (4.09)	95 (3.74)	86 (3.39)	20 (.79)	20/25/30/40	1/1¼	25/40	1½
20	169 (6.65)	160 (6.30)	151 (5.94)	35 (1.38)	25/30/40	1/1¼	25/40/60	1½/2½



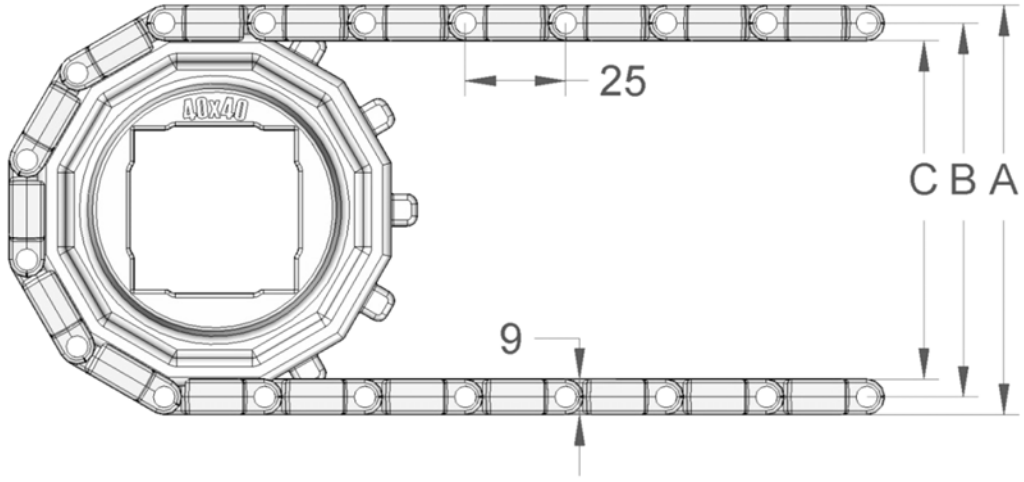
S.25-408



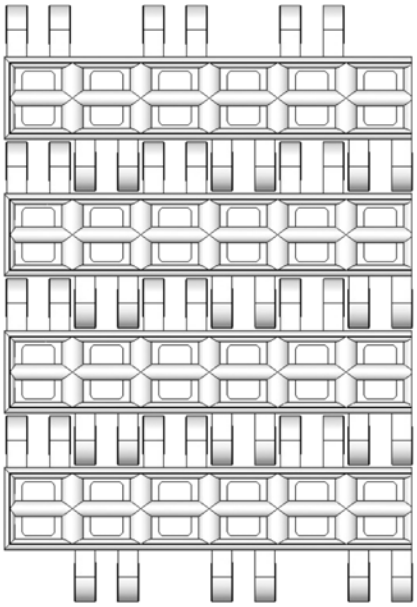
Belt Data		
Materials	Max. belt pull Lb/ft of width	Belt weight lb/square foot
Polyethylene (PE)	600	1.22
Polypropylene (PP)	840	1.22
Polyacetal (POM)	1600	1.74

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 (.12), 25 (.98) and 50 mm (1.97) flights, 25 (.98) and 50 mm (1.97) side guards. 25 (.98) and 50 mm (1.97) friction flights.
Application:	Transport of small products such as machine components. Vulcanising belt for the rubber industry.
Standard widths:	Increments of 10mm (.39), e.g. 100 (3.93), 110 (4.33)
Food approved	

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 (2.13)	45 (1.77)	36 (1.42)	20 (.79)	20			
8	70 (2.76)	61 (2.40)	52 (2.05)	20 (.79)	20/25	1	25	1
12	104 (4.09)	95 (3.74)	86 (3.39)	20 (.79)	20/25/30/40	1/1¼	25/40	1½
20	169 (6.65)	160 (6.30)	151 (5.94)	35 (1.38)	25/30/40	1/1¼	25/40/60	1½/2½



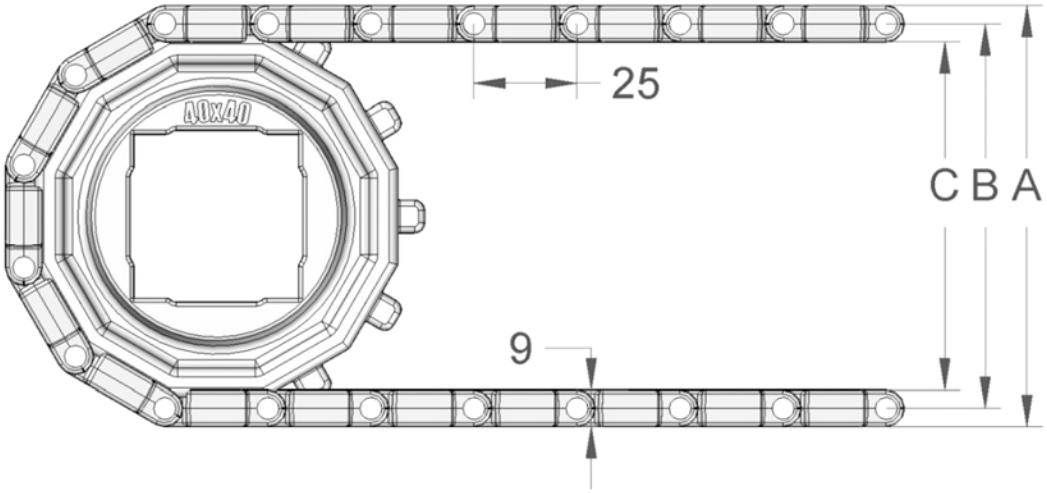
S.25-411



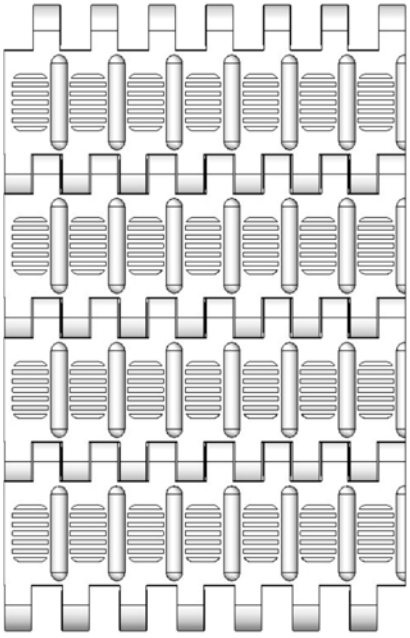
Belt Data		
Materials	Max. belt pull Lb/ft of width	Belt weight lb/square foot
Polyethylene (PE)	425	1.22
Polypropylene (PP)	710	1.22
Polyacetal (POM)	1080	1.54

Belt surface:	Open net-like belt with a curved surface.
Open area:	26 %. Biggest opening 3 x 6 mm (.12 x .24)
Strength:	Ideal for medium weight transportation.
Material/colour:	PE/nat, PP/white and grey. POM/blue
Cleanability:	Excellent. FSIS
Accessories:	3 (.12), 25 (.98) and 50 mm (1.97) flights, 25 (.98) and 50 mm (1.97) side guards. 25 (.98) and 50 mm (1.97) friction flights.
Application:	Fish, meat, vegetables, frozen food etc. Suitable for blanching belts and boiling of noodles.
Standard widths:	Increments of 25mm (.98), e.g. 100 (3.93), 125 (4.92)
Food approved	

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 (2.13)	45 (1.77)	36 (1.42)	20 (.79)	20			
8	70 (2.76)	61 (2.40)	52 (2.05)	20 (.79)	20/25	1	25	1
12	104 (4.09)	95 (3.74)	86 (3.39)	20 (.79)	20/25/30/40	1/1¼	25/40	1½
20	169 (6.65)	160 (6.30)	151 (5.94)	35 (1.38)	25/30/40	1/1¼	25/40/60	1½/2½



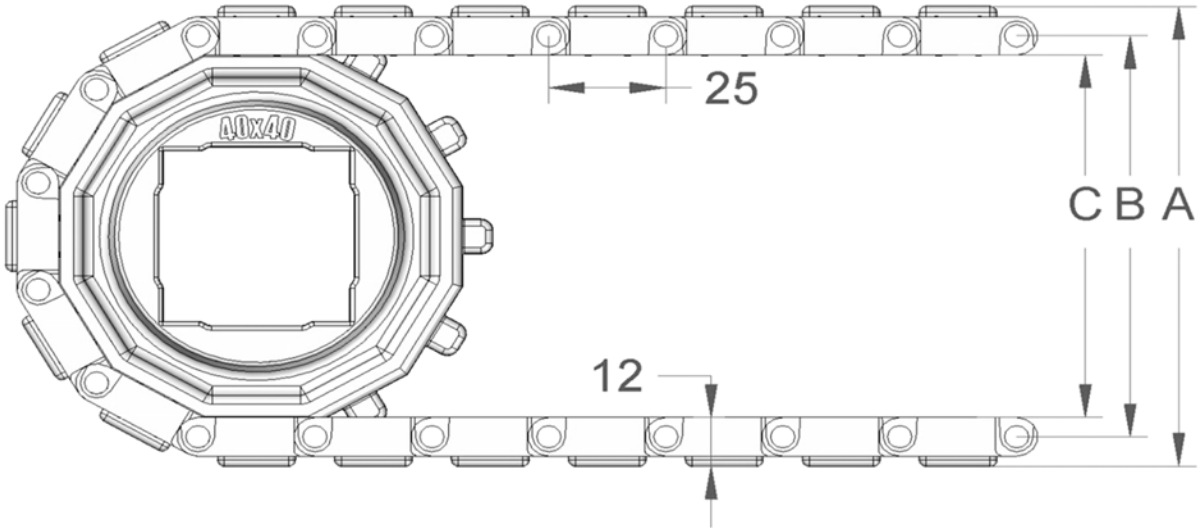
S.25-412



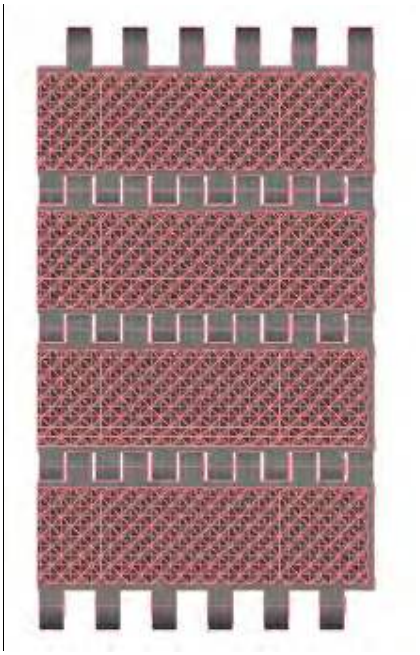
Belt Data		
Materials	Max. belt pull Lb/ft of width	Belt weight lb/square foot
Polyethylene (PE)	600	1.22
Polypropylene (PP)	840	1.22
Polyacetal (POM)	1600	1.84

Belt surface:	Open net-like belt with 2,5 mm (.10) flights.
Open area:	13 %. Biggest opening 1 x 6 mm (.04 x .24)
Strength:	Ideal for medium weight transportation.
Material/colour:	PE/nat, PP/white and grey. POM/blue
Cleanability:	Good. FSIS
Accessories:	3 (.12), 25 (.98) and 50 mm (1.97) flights, 25 (.98) and 50 mm (1.97) side guards.
Application:	Fish, meat, vegetables etc. Suitable for blanching belts and boiling of noodles.
Standard widths:	Increments of 10mm (.39), e.g. 100 (3.93), 110 (4.33)
Food approved	

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 (2.28)	45 (1.77)	36 (1.42)	20 (.79)	20			
8	75 (2.91)	61 (2.40)	52 (2.05)	20 (.79)	20/25	1	25	1
12	108 (4.25)	95 (3.74)	86 (3.39)	20 (.79)	20/25/30/40	1/1¼	25/40	1½
20	173 (6.81)	160 (6.30)	151 (5.94)	35 (1.38)	25/30/40	1/1¼	25/40/60	1½/2½



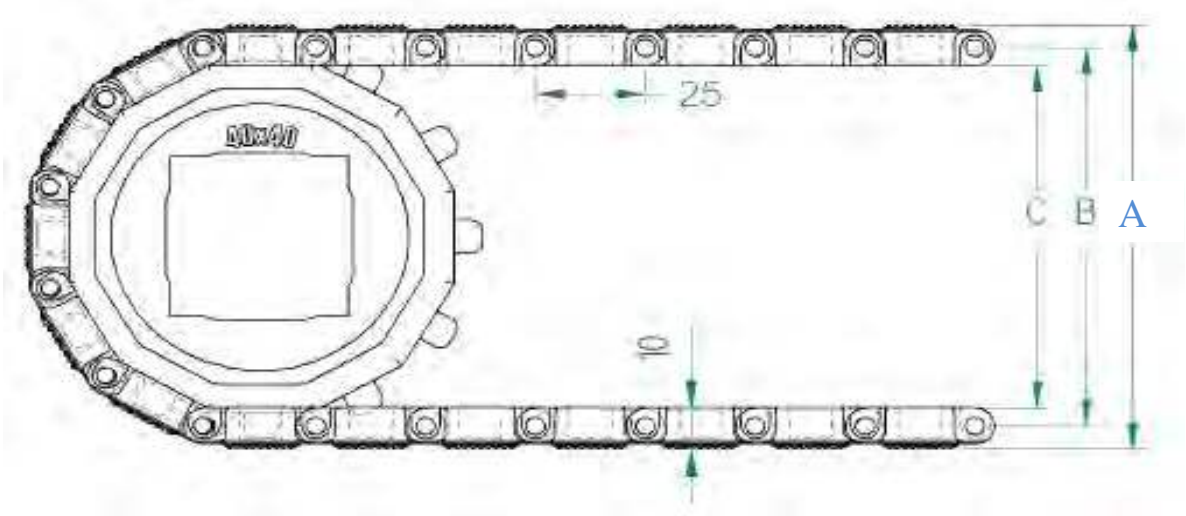
S.25-418



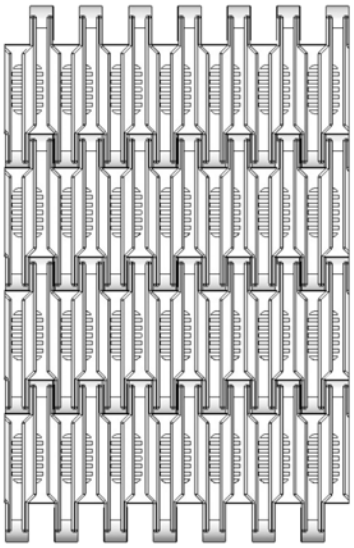
Belt Data		
Materials	Max. belt pull Lb/ft of width	Belt weight lb/square foot
Polyethylene (PE)	600	1.22
Polypropylene (PP)	840	1.22
Polyacetal (POM)	1600	1.74

Belt surface:	Rough 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 (.12), 25 (.98) and 50 mm (1.97) flights, 25 (.98) and 50 mm (1.97) side guards.
Application:	Pallets, doors, panels. The rough top ensures a higher friction as well as extra wear surface.
Standard widths:	Increments of 10mm (.39), e.g. 100 (3.93), 110 (4.33)
Food approved	

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 (2.13)	45 (1.77)	36 (1.42)	20 (.79)	20			
8	70 (2.76)	61 (2.40)	52 (2.05)	20 (.79)	20/25	1	25	1
12	104 (4.09)	95 (3.74)	86 (3.39)	20 (.79)	20/25/30/40	1/1¼	25/40	1½
20	169 (6.65)	160 (6.30)	151 (5.94)	35 (1.38)	25/30/40	1/1¼	25/40/60	1½/2½



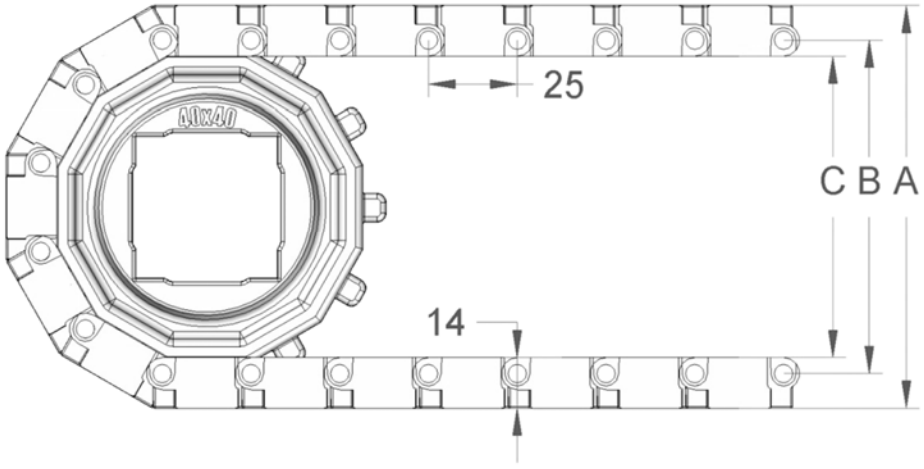
S.25-420



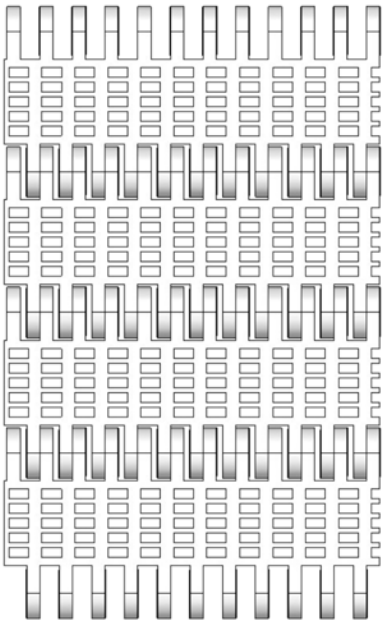
Belt Data		
Materials	Max. belt pull Lb/ft of width	Belt weight lb/square foot
Polyethylene (PE)	600	1.64
Polypropylene (PP)	840	1.64
Polyacetal (POM)	1600	2.25

Belt surface:	Raised ribs – drained – for the use of finger transfer plates.
Open area:	14 %. Biggest opening 10 x 2 mm (.39 x .08)
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 10mm (.39), e.g. 100 (3.93), 110 (4.33)
Food approved	

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 (2.52)	45 (1.77)	36 (1.42)	20 (.79)	20			
8	80 (3.15)	61 (2.40)	52 (2.05)	20 (.79)	20/25	1	25	1
12	114 (4.49)	95 (3.74)	86 (3.39)	20 (.79)	20/25/30/40	1/1¼	25/40	1½
20	179 (7.05)	160 (6.30)	151 (5.94)	35 (1.38)	25/30/40	1/1¼	25/40/60	1½/2½



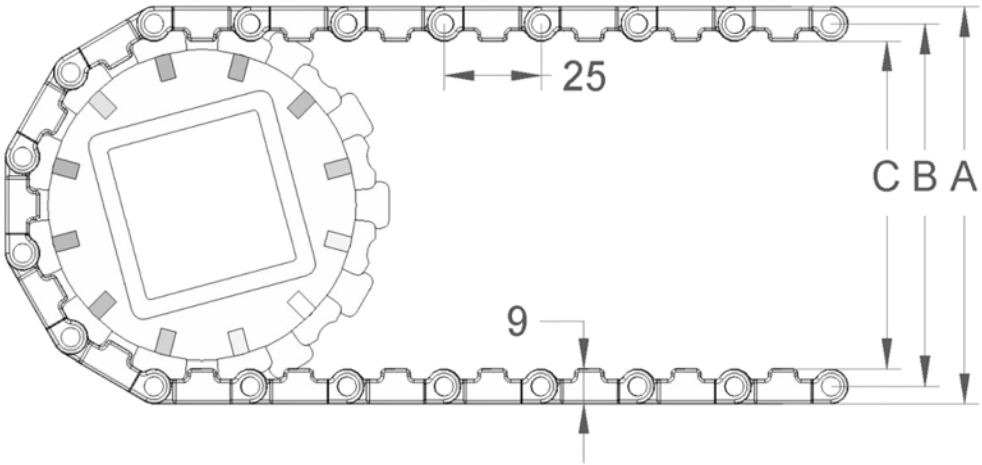
S.25-600



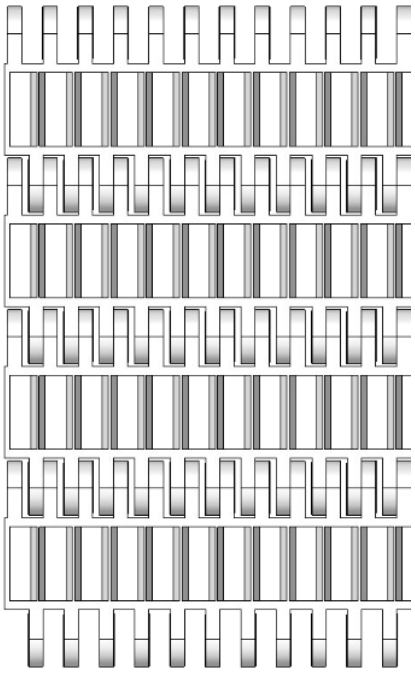
Belt Data		
Materials	Max. belt pull Lb/ft of width	Belt weight lb/square foot
Polyethylene (PE)	360	.82
Polypropylene (PP)	500	.82
Polyacetal (POM)	840	1.22

Belt surface:	Perforated flat top.
Open area:	16 %. Biggest opening 1,5 x 3 mm (.06 x .12)
Strength:	An ideal choice for light transportation.
Material/colour:	PE/nat, PP/white and grey. POM/blue.
Cleanability:	Good. FSIS
Accessories:	5 (.20), 25 (.98) and 50 mm (1.97) flights, 25 (.98) and 50 mm (1.97) side guards. 25 (.98) and 50 mm (1.97) friction flights.
Application:	Bakery (raw dough), poultry, sweets and other industries.
Standard widths:	Increments of 6 mm (.24), e.g. 100 (3.93), 106 mm (4.17)
Food approved	

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 (2.32)	50 (1.97)	41 (1.61)	40 (1.57)	20			
12	106 (4.17)	97 (3.82)	88 (3.46)	40 (1.57)	20/25/30/40	1	40	1½
20	172 (6.69)	161 (6.34)	152 (5.98)	40 (1.57)	25/30/40	1	40/60	1½/2½



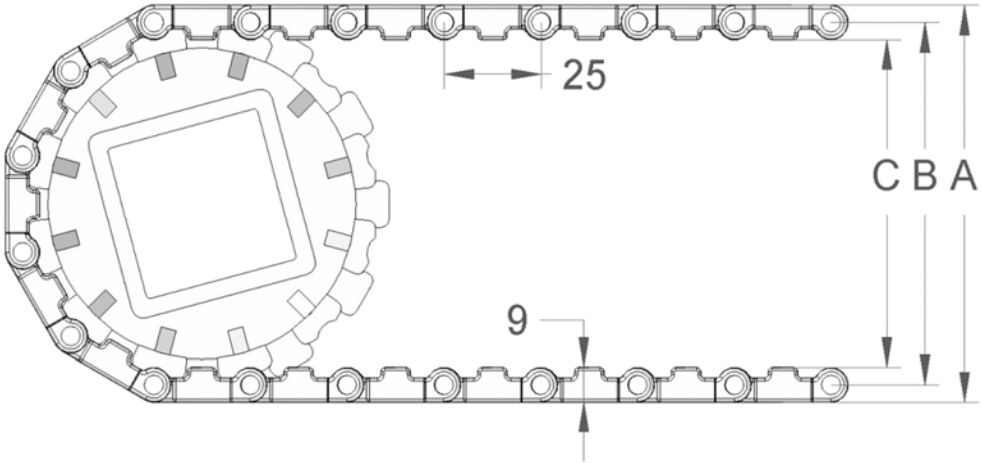
S.25-700



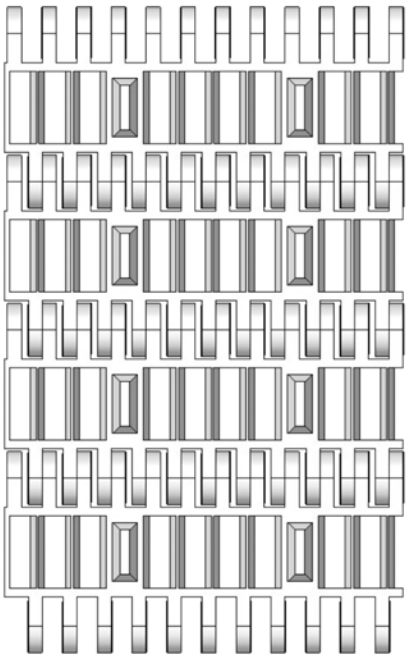
Belt Data		
Materials	Max. belt pull Lb/ft of width	Belt weight lb/square foot
Polyethylene (PE)	360	.82
Polypropylene (PP)	500	.82
Polyacetal (POM)	840	1.22

Belt surface:	Open belt with a smooth surface..
Open area:	27 %. Biggest opening 3 x 12 mm (.12 x .47)
Strength:	An ideal choice for light transportation.
Material/colour:	PE/nat, PP/white and grey. POM/blue
Cleanability:	Good. FSIS
Accessories:	5 (.20), 25 (.98) and 50 mm (1.97) flights, 25 (.98) and 50 mm (1.97) side guards.
Application:	Vegetables, bakery, seafood, poultry and other industries. Even as cooling/freezing belt.
Standard widths:	Increments of 6 mm (.24), e.g. 100 (3.93), 106 mm (4.17)
Food approved	

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 (2.32)	50 (1.97)	41 (1.61)	40 (1.57)	20			
12	106 (4.17)	97 (3.82)	88 (3.46)	40 (1.57)	20/25/30/40	1	40	1½
20	172 (6.69)	161 (6.34)	152 (5.98)	40 (1.57)	25/30/40	1	40/60	1½/2½



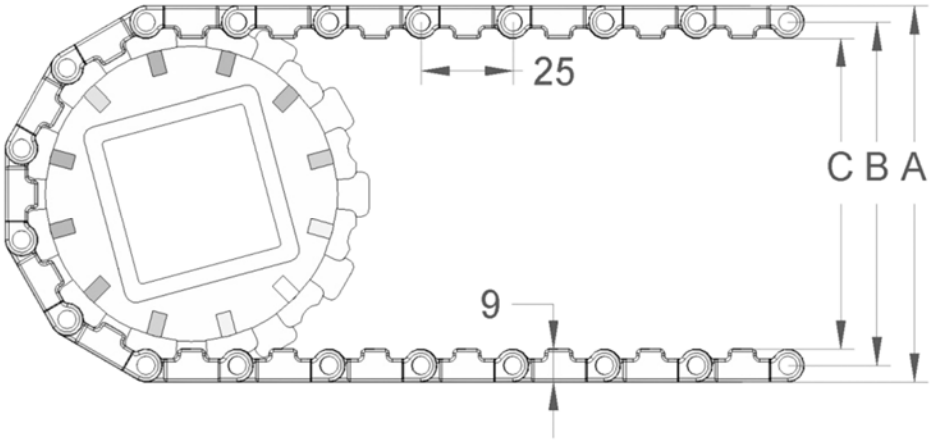
S.25-702



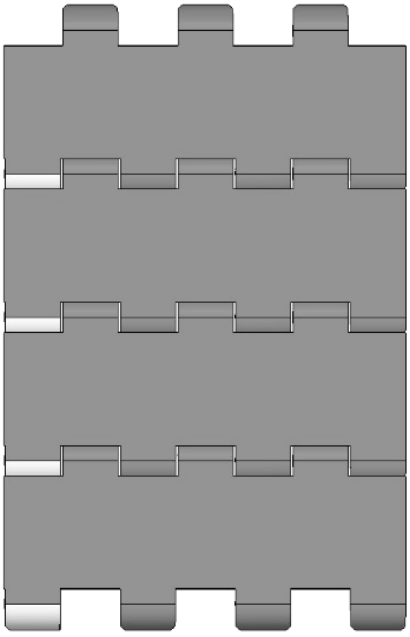
Belt Data		
Materials	Max. belt pull Lb/ft of width	Belt weight lb/square foot
Polyethylene (PE)	360	.82
Polypropylene (PP)	500	.82
Polyacetal (POM)	840	1.22

Belt surface:	Open net-like belt with 2,5 mm (.10) flights.
Open area:	22 %. Biggest opening 3 x 12 mm (.12 x .47)
Strength:	An ideal choice for light transportation.
Material/colour:	PE/nat, PP/white and grey. POM/blue.
Cleanability:	Good. FSIS
Accessories:	5 (.20), 25 (.98) and 50 mm (1.97) flights, 25 (.98) and 50 mm (1.97) 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 (.24), e.g. 100 (3.93), 106 mm (4.17)
Food approved	

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 (2.32)	50 (1.97)	41 (1.61)	40 (1.57)	20			
12	106 (4.17)	97 (3.82)	88 (3.46)	40 (1.57)	20/25/30/40	1	40	1½
20	172 (6.69)	161 (6.34)	152 (5.98)	40 (1.57)	25/30/40	1	40/60	1½/2½



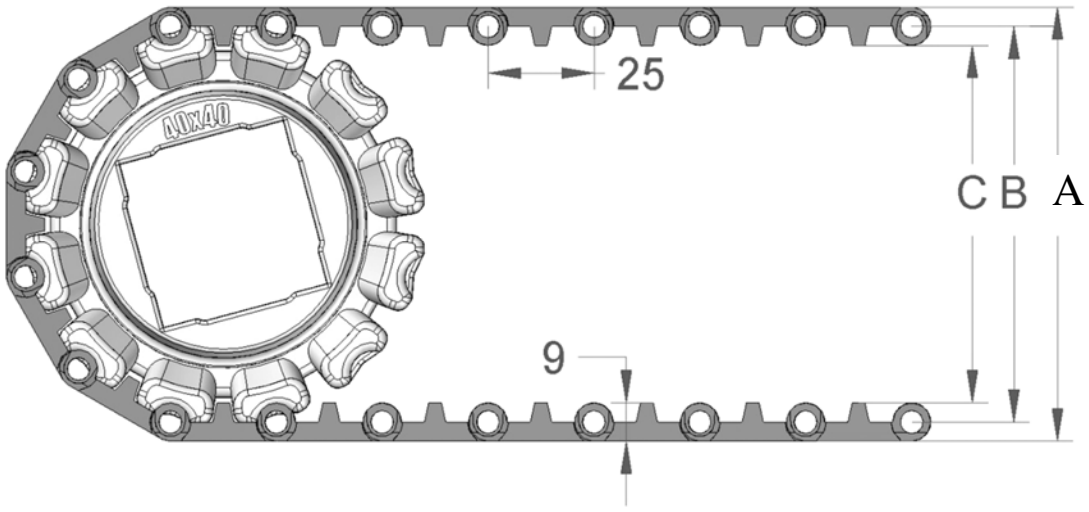
S.25-800



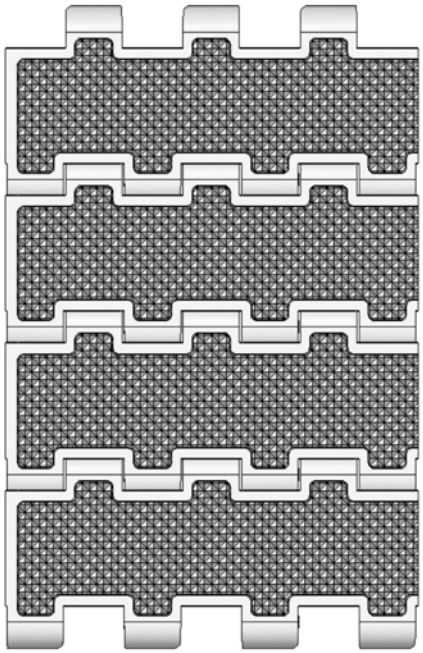
Belt Data		
Materials	Max. belt pull Lb/ft of width	Belt weight lb/square foot
Polyethylene (PE)	370	1.0
Polypropylene (PP)	435	1.0
Polyacetal (POM)	700	1.54

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 (.12), 25 (.98) and 50 mm (1.97) flights. 25 (.98) and 50 mm (1.97) side guards, friction top.
Application:	Red meat, vegetables, seafood, fruit, snacks and pastry.
Standard widths:	Increments of 20 mm (.98), e.g. 100 (3.93), 120 mm (4.72) etc Special widths available on request
Food approved	

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 (2.32)	50 (1.97)	41 (1.61)	20 (.79)	20	¾/1		
12	106 (4.17)	97 (3.82)	88 (3.46)	20 (.79)	20/25/30/40	¾/1/1¼	40	1½
20	170 (6.69)	161 (6.34)	152 (5.98)	35 (1.38)	25/30/40	¾/1/1¼	40/60	1½/2½



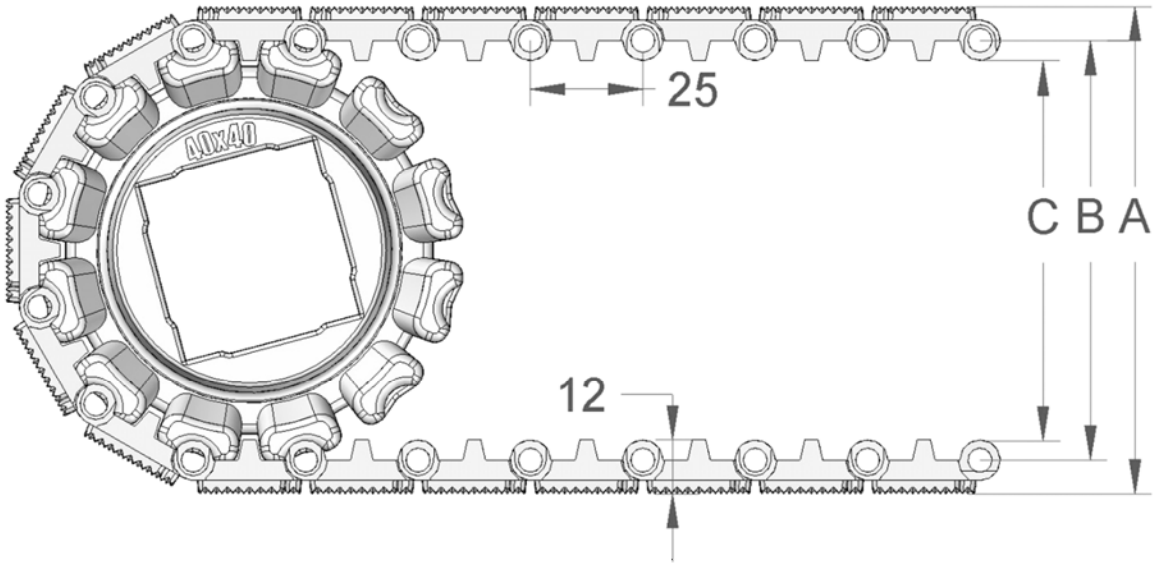
S.25-800F (friction)



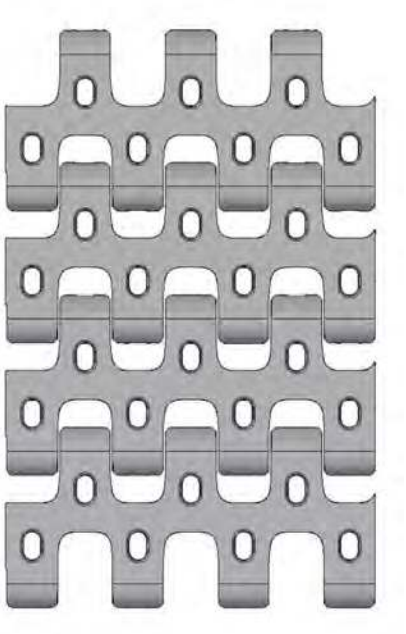
Belt Data		
Materials	Max. belt pull Lb/ft of width	Belt weight lb/square foot
Copolymer	400	1.43

Belt surface:	Closed belt with a 3mm (.12) friction surface
Open area:	Closed.
Strength:	An ideal choice for light transportation.
Colour:	Nat/white.
Cleanability:	Good.
Accessories:	25 (.98) and 50 mm (1.97) flights. 25 (.98) and 50 mm (1.97) side guards.
Application:	Transport of goods on a slightly inclined conveyor.
Standard widths:	Increments of 20 mm (.98), e.g. 100 (3.93), 120 mm (4.72) etc Special widths available on request
Food approved	

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 (2.52)	50 (1.97)	41 (1.61)	20 (.79)	20	¾/1		
12	112 (4.37)	97 (3.82)	88 (3.46)	20 (.79)	20/25/30/40	¾/1/1¼	40	1½
20	176 (6.89)	161 (6.34)	152 (5.98)	35 (1.38)	25/30/40	¾/1/1¼	40/60	1½/2½



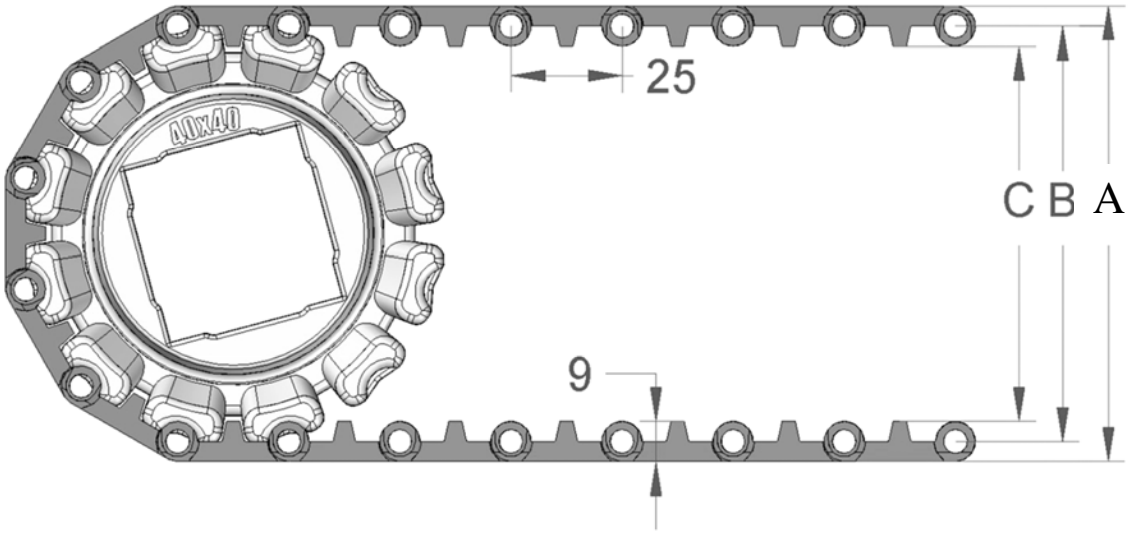
S.25-801



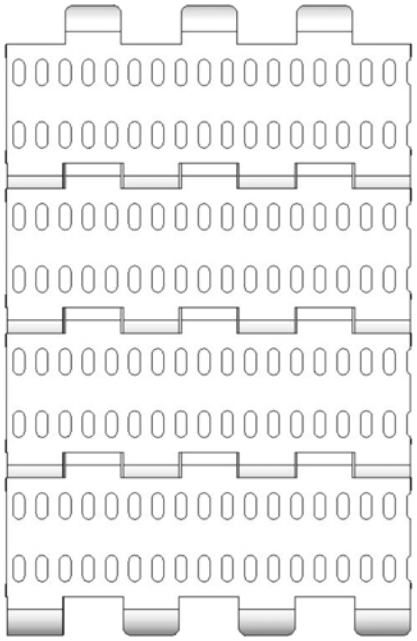
Belt Data		
Materials	Max. belt pull Lb/ft of width	Belt weight lb/square foot
Polyethylene (PE)	370	1.13
Polypropylene (PP)	435	1.13
Polyacetal (POM)	700	1.64

Belt surface:	Open belt with smooth surface.
Open area:	41 %. Biggest opening 10 x 5 mm (.39 x .20)
Strength:	An ideal choice for light transportation.
Material/colour:	PE/nat, PP/white and grey. POM/blue.
Cleanability:	Excellent. FSIS.
Accessories:	3 (.12), 25 (.98) and 50 mm (1.97) flights. 25 (.98) and 50 mm (1.97) side guards, friction top.
Application:	Red meat, vegetables, seafood, fruit, snacks and pastry
Standard widths:	Increments of 20 mm (.98), e.g. 100 (3.93), 120mm (4.72) etc Special widths available on request
Food approved	

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 (2.32)	50 (1.97)	41 (1.61)	20 (.79)	20	¾/1		
12	106 (4.17)	97 (3.82)	88 (3.46)	20 (.79)	20/25/30/40	¾/1/1¼	40	1½
20	170 (6.69)	161 (6.34)	152 (5.98)	35 (1.38)	25/30/40	¾/1/1¼	40/60	1½/2½



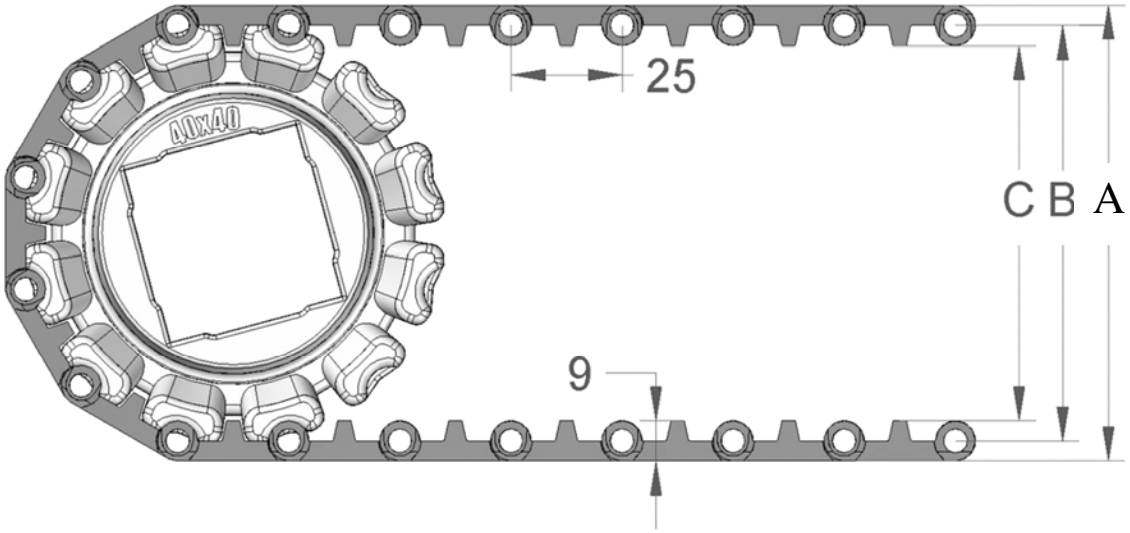
S.25-806



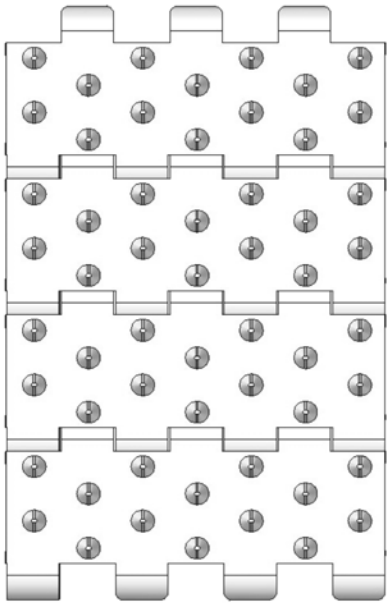
Belt Data		
Materials	Max. belt pull Lb/ft of width	Belt weight lb/square foot
Polyethylene (PE)	370	1.13
Polypropylene (PP)	435	1.13
Polyacetal (POM)	700	1.64

Belt surface:	Perforated flat top.
Open area:	17 %. Biggest opening 2 x 5 mm (.08 x .20)
Strength:	An ideal choice for light transportation.
Material/colour:	PE/nat, PP/white and grey. POM/blue.
Cleanability:	Excellent. FSIS.
Accessories:	3 (.12), 25 (.98) and 50 mm (1.97) flights. 25 (.98) and 50 mm (1.97) side guards, friction top.
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 (.98), e.g. 100 (3.93), 120 mm (4.72) etc Special widths available on request
Food approved	

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 (2.32)	50 (1.97)	41 (1.61)	20 (.79)	20	¾/1		
12	106 (4.17)	97 (3.82)	88 (3.46)	20 (.79)	20/25/30/40	¾/1/1¼	40	1½
20	170 (6.69)	161 (6.34)	152 (5.98)	35 (1.38)	25/30/40	¾/1/1¼	40/60	1½/2½



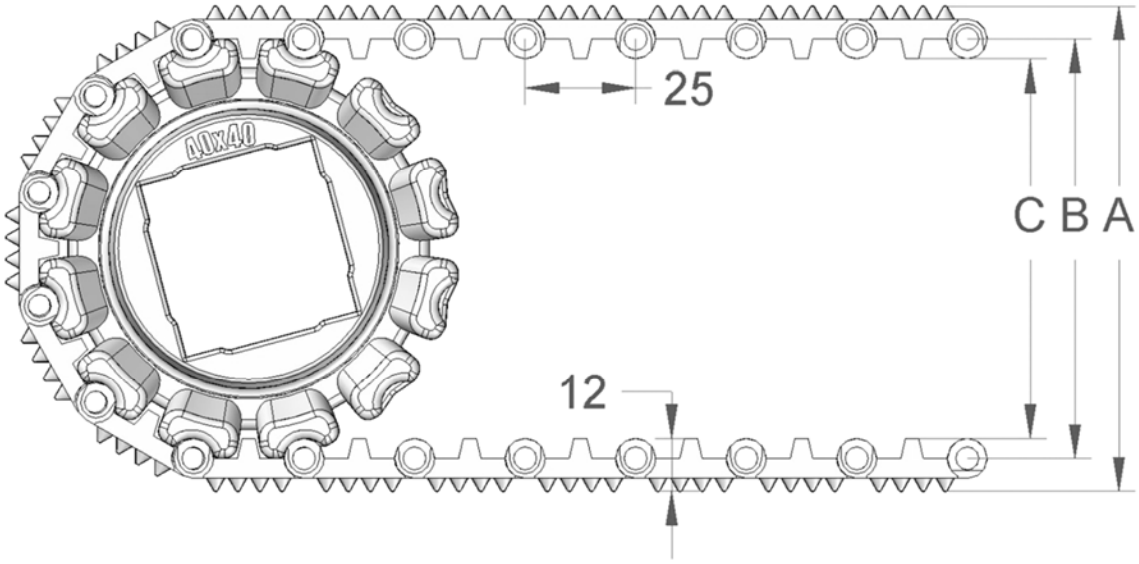
S.25-830



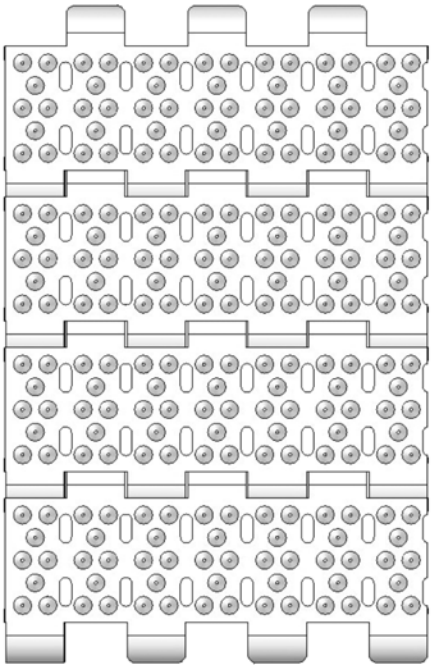
Belt Data		
Materials	Max. belt pull Lb/ft of width	Belt weight lb/square foot
Polyethylene (PE)	370	1.13
Polypropylene (PP)	435	1.13
Polyacetal (POM)	700	1.64

Belt surface:	Structure top with 3 mm (.12) 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 (.98) and 50 mm (1.97) flights. 25 (.98) and 50 mm (1.97) side guards, can be supplied with a moulded indent of 40 mm (1.57")
Application:	Seafood, red meat, vegetables etc.
Standard widths:	Increments of 20 mm (.98), e.g. 100 (3.93), 120 mm (4.72) etc Special widths available on request
Food approved	

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 (2.52)	50 (1.97)	41 (1.61)	20 (.79)	20	¾/1		
12	112 (4.37)	97 (3.82)	88 (3.46)	20 (.79)	20/25/30/40	¾/1/1¼	40	1½
20	176 (6.89)	161 (6.34)	152 (5.98)	35 (1.38)	25/30/40	¾/1/1¼	40/60	1½/2½



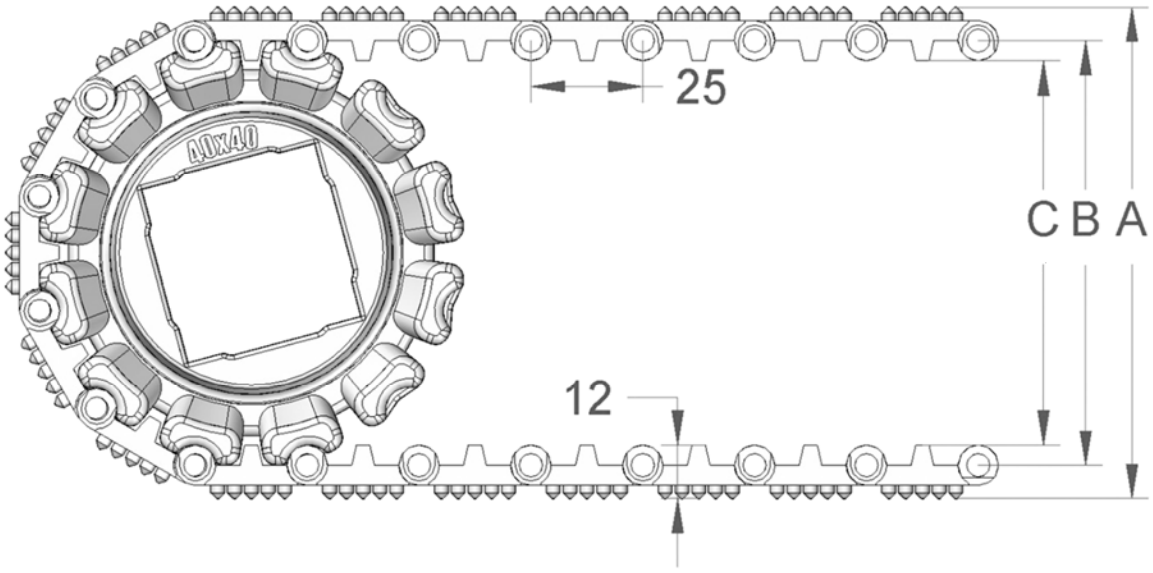
S.25-836



Belt Data		
Materials	Max. belt pull Lb/ft of width	Belt weight lb/square foot
Polyethylene (PE)	370	1.13
Polypropylene (PP)	435	1.13
Polyacetal (POM)	700	1.64

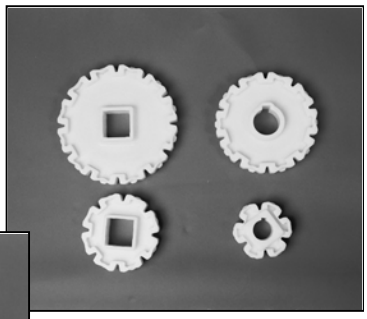
Belt surface:	Structure top with 3 mm (.12) cones.
Open area:	7 %. Biggest opening 2 x 5 mm (.08 x .20)
Strength:	An ideal choice for light transportation.
Material/colour:	PE/nat, PP/white and grey. POM/blue.
Cleanability:	Excellent. FSIS.
Accessories:	25 (.98) and 50 mm (1.97) flights. 25 (.98) and 50 mm (1.97) side guards, can be supplied with a moulded indent of 40 mm (1.57").
Application:	Seafood, red meat, vegetables etc.
Standard widths:	Increments of 20 mm (.98), e.g. 100 (3.93), 120 mm (4.72) etc Special widths available on request
Food approved	

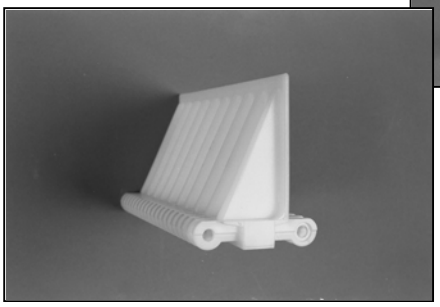
Sprocket Data								
No. of teeth	A= Outside diameter	B= Pitch diameter	C= Inside diameter	Hub width:	Round bore		Square bore	
					mm	in.	mm	in.
6	65 (2.52)	50 (1.97)	41 (1.61)	20 (.79)	20	¾/1		
12	112 (4.37)	97 (3.82)	88 (3.46)	20 (.79)	20/25/30/40	¾/1/1¼	40	1½
20	176 (6.89)	161 (6.34)	152 (5.98)	35 (1.38)	25/30/40	¾/1/1¼	40/60	1½/2½

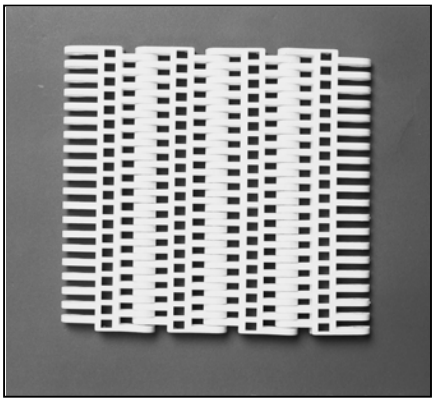


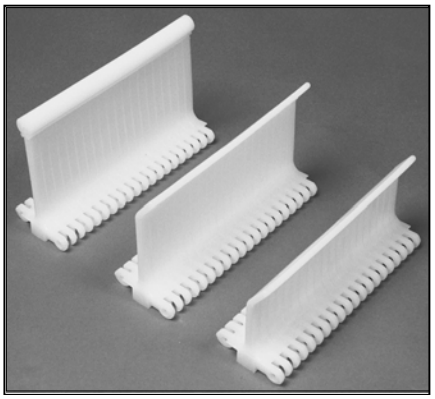
4. Belt S.50

Pitch 50 mm (1.97”)

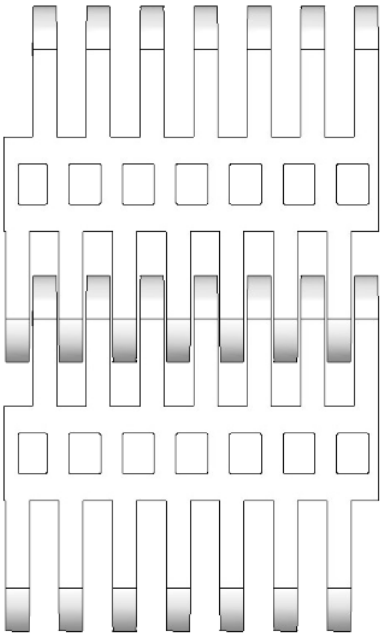








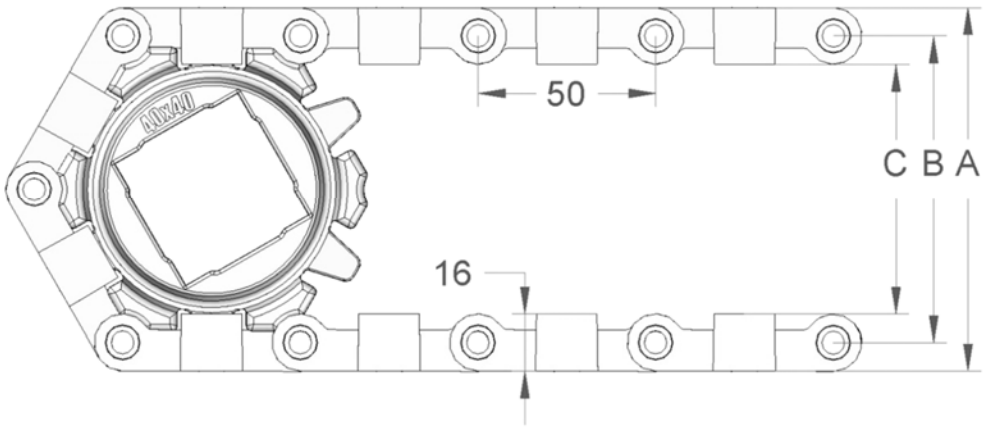
S.50-100



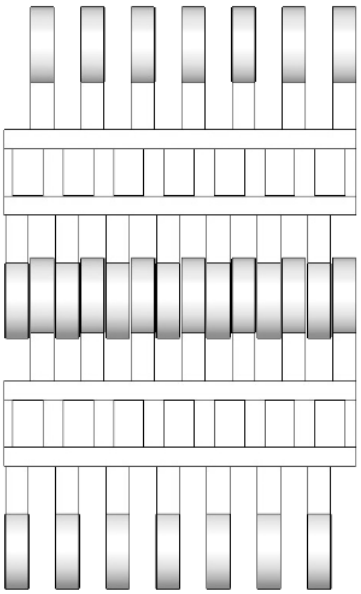
Belt Data		
Materials	Max. belt pull Lb/ft of width	Belt weight lb/square foot
Polyethylene (PE)	1235	1.64
Polypropylene (PP)	1880	1.64
Polyacetal (POM)	2820	2.46

Belt surface:	Open belt with a smooth surface.
Open area:	27 %. Biggest opening 5 x 9 mm (.20 x .35)
Strength:	The right belt for heavy applications.
Material/colour:	PE/nat, PP/white and grey. POM/blue.
Cleanability:	Good. FSIS
Accessories:	25(.98), 50(1.97), 75(2.95) and 100 mm(3.94) flights. Extended and bent flights. 75(2.95) and 150 mm(5.91) supported flights. 50(1.97), 75(2.95), 100(3.94) and 150 mm(5.91) side guards. 50 mm(1.97) 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(.39), e.g. 100(3.94), 110 mm(4.33) etc
Food approved	

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 (4.13)	89 (3.50)	73 (2.87)	20 (.79)	20/25/30/40	¾/1/1¼	25 / 40	1½
8	138 (5.43)	122 (4.80)	106 (4.17)	35 (1.38)	25/30/40	1/1¼	25/40	1½
10	172 (6.77)	156 (6.14)	140 (5.51)	35 (1.38)	25/30/40	1/1¼	25/40/60	1½/2½
12	205 (8.07)	189 (7.44)	173 (6.81)	35 (1.38)	25/30/40/50/60	1/1¼	25/40/60	1½/2½
16	270 (10.63)	254 (10.00)	238 (9.37)	40 (1.57)	60/80		40/50/60/55/80	



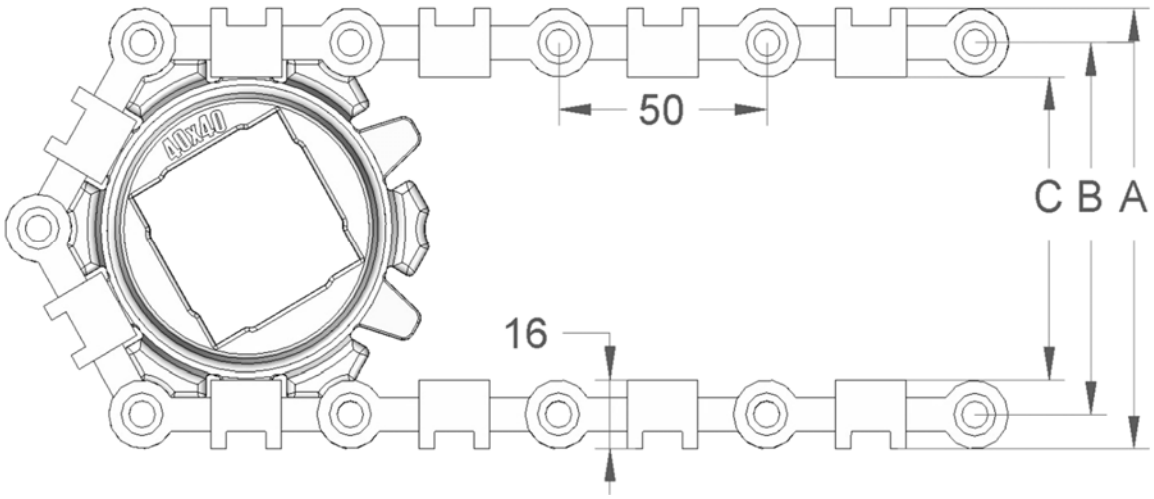
S.50-300



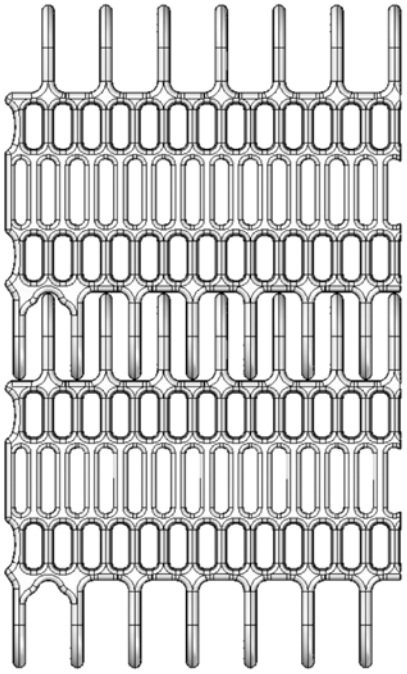
Belt Data		
Materials	Max. belt pull Lb/ft of width	Belt weight lb/square foot
Polyethylene (PE)	1170	1.43
Polypropylene (PP)	1545	1.43
Polyacetal (POM)	2300	2.05

Belt surface:	Open belt with 4 mm (.16) ribs across
Open area:	27 %. Biggest opening 5 x 9 mm (.20 x .35)
Strength:	The right belt for heavy applications.
Material/colour:	PE/nat, PP/white and grey. POM/blue.
Cleanability:	Good. FSIS
Accessories:	25(.98), 50(1.97), 75(2.95) and 100 mm(3.94) flights. Extended and bent flights. 75(2.95) and 150 mm(5.91) supported flights. 50(1.97), 75(2.95), 100(3.94) and 150 mm(5.91) side guards. 50 mm(1.97) 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(.39), e.g. 100(3.94), 110 mm(4.33)
Food approved	

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 (4.13)	89 (3.50)	73 (2.87)	20 (.79)	20/25/30/40	¾/1/1¼	25/40	1½
8	138 (5.43)	122 (4.80)	106 (4.17)	35 (1.38)	25/30/40	1/1¼	25/40	1½
10	172 (6.77)	156 (6.14)	140 (5.51)	35 (1.38)	25/30/40	1/1¼	25/40/60	1½/2½
12	205 (8.07)	189 (7.44)	173 (6.81)	35 (1.38)	25/30/40/50/60	1/1¼	25/40/60	1½/2½
16	270 (10.63)	254 (10.00)	238 (9.37)	40 (1.57)	60/80		40/50/60/55/80	



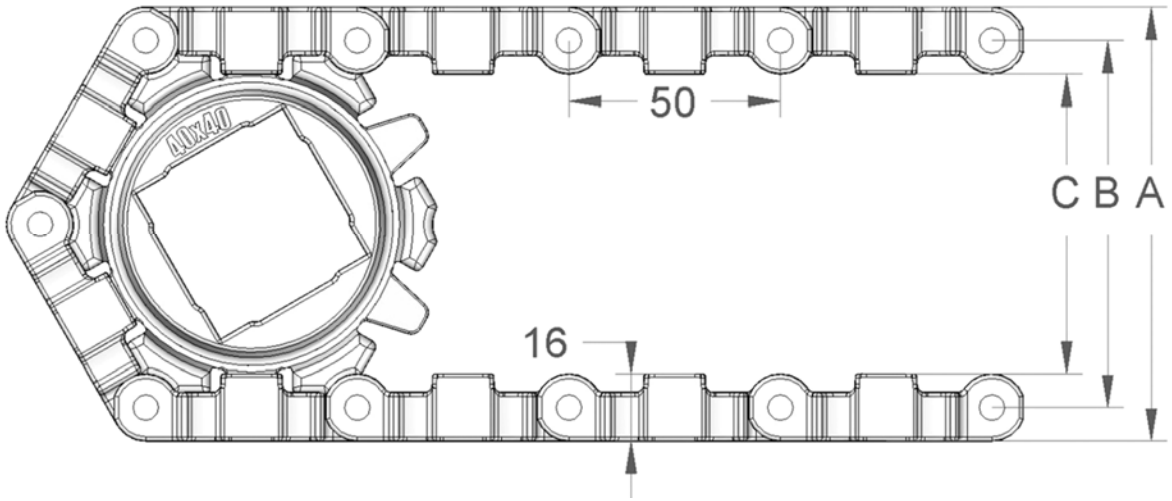
S.50-401



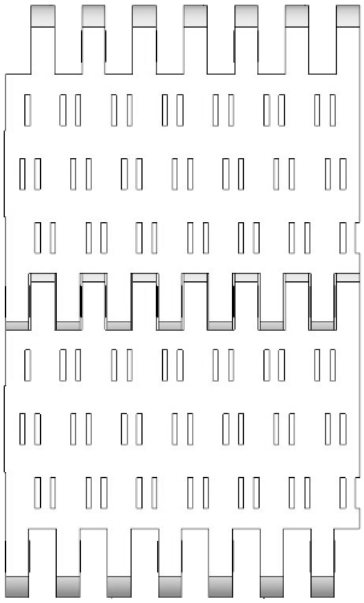
Belt Data		
Materials	Max. belt pull Lb/ft of width	Belt weight lb/square foot
Polyethylene (PE)	800	1.23
Polypropylene (PP)	1050	1.23
Polyacetal (POM)	1575	1.64

Belt surface:	Open belt with a smooth surface.
Open area:	61 %. Biggest opening 3,5 x 11 mm (.14 x .43)
Strength:	The right belt for medium-heavy transportation.
Material/colour:	PE/nat, PP/white and grey. POM/blue.
Cleanability:	Excellent. FSIS.
Accessories:	25(.98), 50(1.97), 75(2.95) flights. Extended and bent flights. 50(1.97), 75(2.95), 100(3.94) and 150 mm(5.91) side guards. Hold-down. 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(.39), e.g. 100(3.94), 110 mm(4.33)
Food approved	

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 (4.13)	89 (3.50)	73 (2.87)	20 (.79)	20/25/30/40	¾/1/1¼	25/40	1½
8	138 (5.43)	122 (4.80)	106 (4.17)	35 (1.38)	25/30/40	1/1¼	25/40	1½
10	172 (6.77)	156 (6.14)	140 (5.51)	35 (1.38)	25/30/40	1/1¼	25/40/60	1½/2½
12	205 (8.07)	189 (7.44)	173 (6.81)	35 (1.38)	25/30/40/50/60	1/1¼	25/40/60	1½/2½
16	270 (10.63)	254 (10.00)	238 (9.37)	40 (1.57)	60/80		40/50/60/55/80	



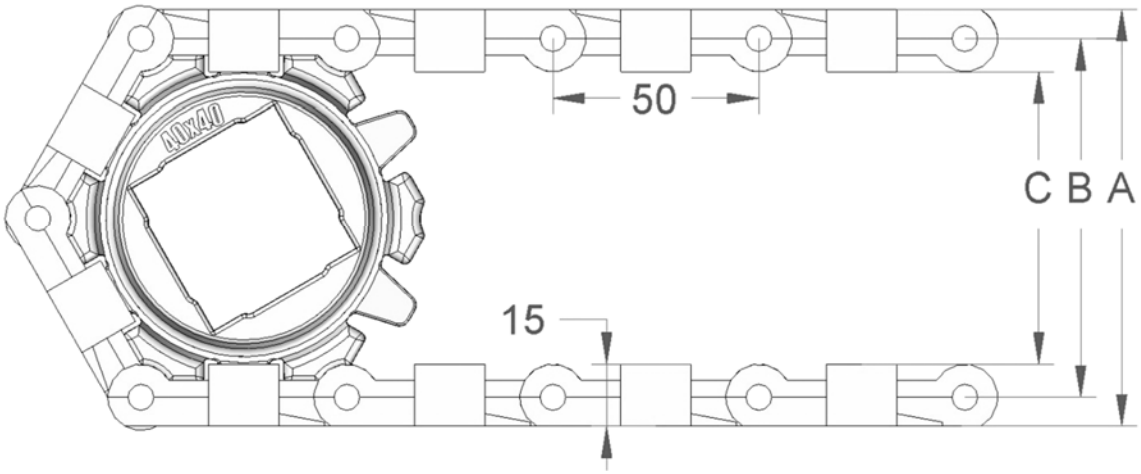
S.50-600



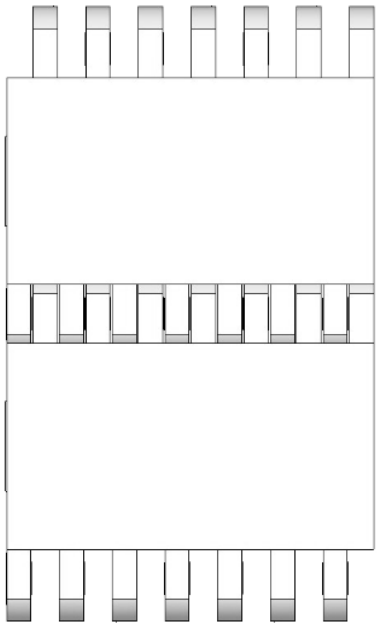
Belt Data		
Materials	Max. belt pull Lb/ft of width	Belt weight lb/square foot
Polyethylene (PE)	1200	1.43
Polypropylene (PP)	1600	1.43
Polyacetal (POM)	2400	2.05

Belt surface:	Perforated flat top.
Open area:	9 %. Biggest opening 1 x 6 mm (.04 x .24)
Strength:	The right belt for medium-heavy transportation.
Material/colour:	PE/nat, PP/white and grey. POM/blue.
Cleanability:	Excellent. FSIS.
Accessories:	25(.98), 50(1.97), 75(2.95) and 100 mm(3.94) flights. Extended and bent flights. 75(2.95) and 150 mm(5.91) supported flights. 50(1.97), 75(2.95), 100(3.94) and 150 mm(5.91) side guards. 50 mm(1.97) comb flights, friction top. 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(.39), e.g. 100(3.94), 110 mm(4.33)
Food approved	

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 (4.06)	89 (3.50)	73 (2.87)	20 (.79)	20/25/30/40	¾/1/1¼	25 /40	1½
8	136 (5.35)	122 (4.80)	106 (4.17)	35 (1.38)	25/30/40	1/1¼	25/40	1½
10	170 (6.69)	156 (6.14)	140 (5.51)	35 (1.38)	25/30/40	1/1¼	25/40/60	1½/2½
12	203 (7.99)	189 (7.44)	173 (6.81)	35 (1.38)	25/30/40/50/60	1/1¼	25/40/60	1½/2½
16	268 (10.55)	254 (10.00)	238 (9.37)	40 (1.57)	60/80		40/50/60/55/80	



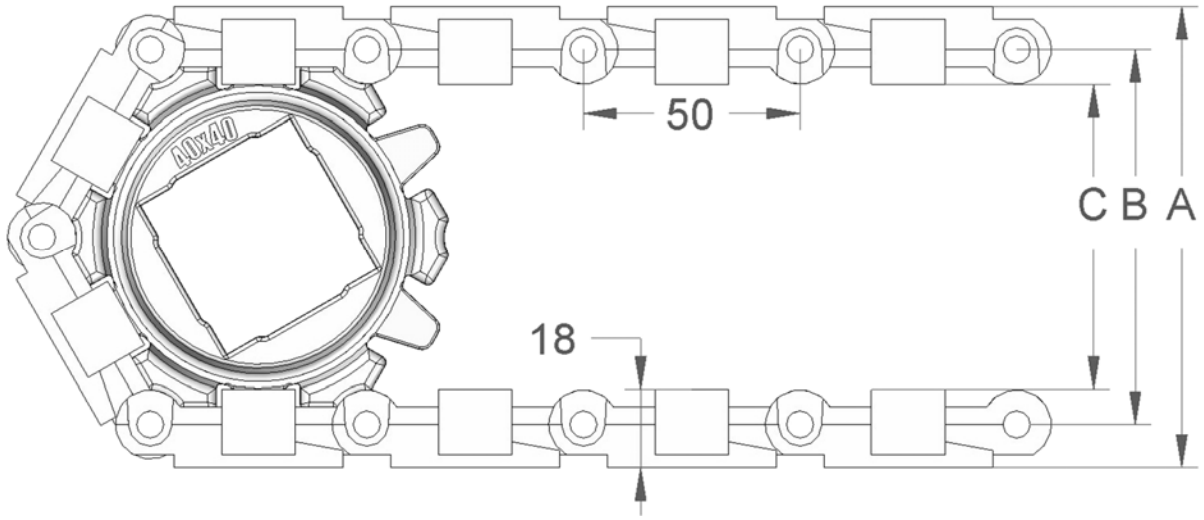
S.50-600F (friction)



Belt Data		
Materials	Max. belt pull Lb/ft of width	Belt weight lb/square foot
Copolymer	1475	1.95

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(.98), 50(1.97), 75(2.95) and 100 mm(3.94) flights. Extended and bent flights. 75(2.95) and 150 mm(5.91) supported flights. 50(1.97), 75(2.95), 100(3.94) and 150 mm(5.91) side guards. 50 mm(1.97) comb flights, Flights fitted with a round top
Application:	Transport of goods on a slightly inclined conveyor.
Standard widths:	Increments of 10 mm(.39), e.g. 100(3.94), 110 mm(4.33)
Food approved	

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 (4.29)	89 (3.50)	73 (2.87)	20 (.79)	20/25/30/40	¾/1/1¼	25 /40	1½
8	142 (5.59)	122 (4.80)	106 (4.17)	35 (1.38)	25/30/40	1/1¼	25/40	1½
10	176 (6.93)	156 (6.14)	140 (5.51)	35 (1.38)	25/30/40	1/1¼	25/40/60	1½/2½
12	209 (8.23)	189 (7.44)	173 (6.81)	35 (1.38)	25/30/40/50/60	1/1¼	25/40/60	1½/2½
16	274 (10.79)	254 (10.00)	238 (9.37)	40 (1.57)	60/80		40/50/60/55/80	



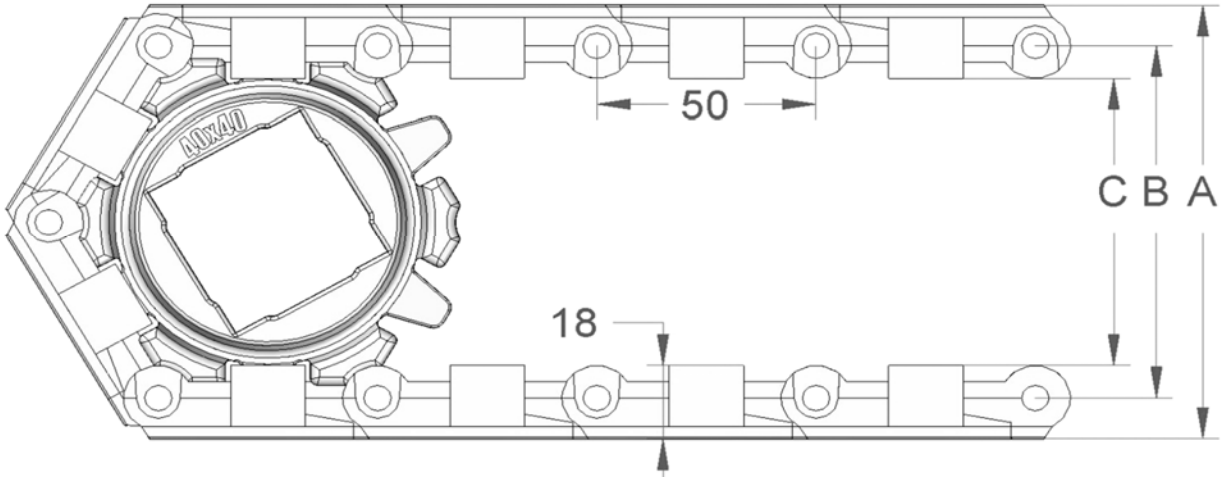
S.50-602



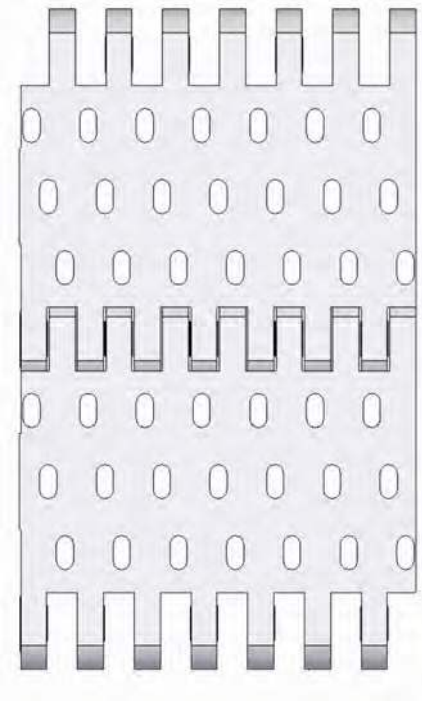
Belt Data		
Materials	Max. belt pull Lb/ft of width	Belt weight lb/square foot
Polyethylene (PE)	1200	1.43
Polypropylene (PP)	1600	1.43
Polyacetal (POM)	2400	2.25

Belt surface:	Flat top with 3 mm (.12) ribs.
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(.98), 50(1.97), 75(2.95) and 100 mm(3.94) flights. Extended and bent flights. 75(2.95) and 150 mm(5.91) supported flights. 50(1.97), 75(2.95), 100(3.94) and 150 mm(5.91) side guards. 50 mm(1.97) 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(.39), e.g. 100(3.94), 110 mm(4.33)
Food approved	

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 (4.29)	89 (3.50)	73 (2.87)	20 (.79)	20/25/30/40	¾/1/1¼	25/40	1½
8	142 (5.59)	122 (4.80)	106 (4.17)	35 (1.38)	25/30/40	1/1¼	25/40	1½
10	176 (6.93)	156 (6.14)	140 (5.51)	35 (1.38)	25/30/40	1/1¼	25/40/60	1½/2½
12	209 (8.23)	189 (7.44)	173 (6.81)	35 (1.38)	25/30/40/50/60	1/1¼	25/40/60	1½/2½
16	274 (10.79)	254 (10.00)	238 (9.37)	40 (1.57)	60/80		40/50/60/55/80	



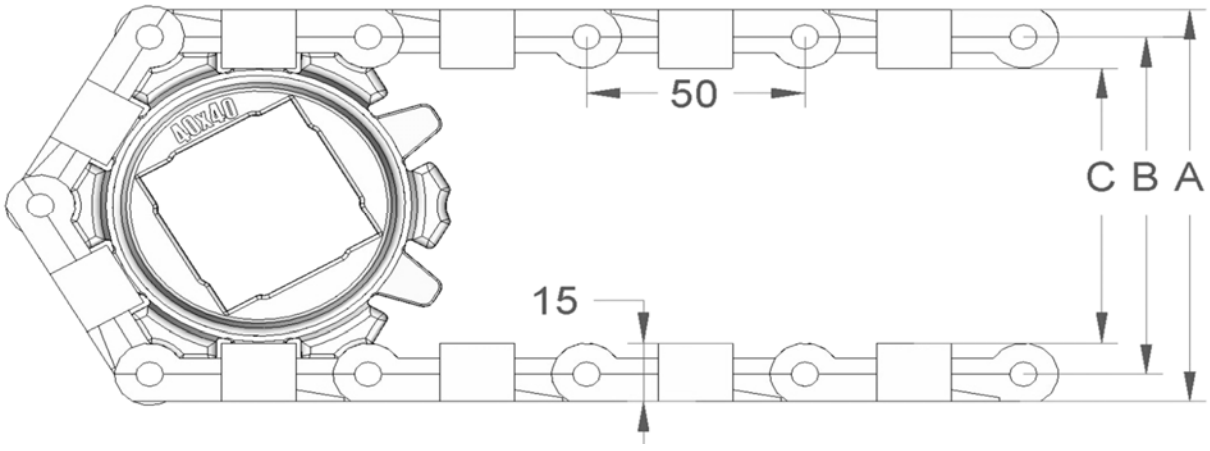
S.50-606



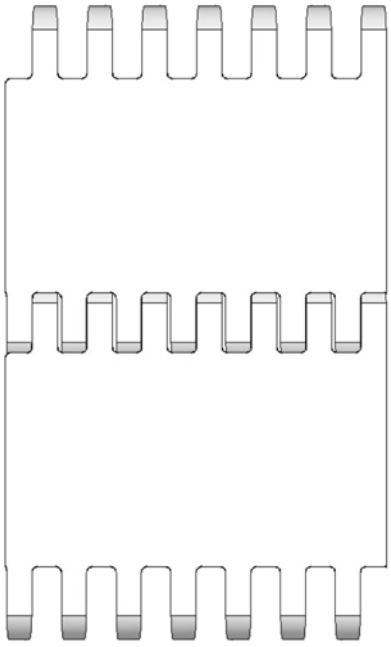
Belt Data		
Materials	Max. belt pull Lb/ft of width	Belt weight lb/square foot
Polyethylene (PE)	1200	1.43
Polypropylene (PP)	1600	1.43
Polyacetal (POM)	2400	2.25

Belt surface:	Perforated flat top.
Open area:	10%. Biggest opening 3 x 6 mm (.12 x .24)
Strength:	The right belt for medium-heavy transportation.
Material/colour:	PE/nat, PP/white and grey. POM/blue.
Cleanability:	Excellent. FSIS.
Accessories:	25(.98), 50(1.97), 75(2.95) and 100 mm(3.94) flights. Extended and bent flights. 75(2.95) and 150 mm(5.91) supported flights. 50(1.97), 75(2.95), 100(3.94) and 150 mm(5.91) side guards. 50 mm(1.97) 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(.39), e.g. 100(3.94), 110 mm(4.33)
Food approved	

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 (4.06)	89 (3.50)	73 (2.87)	20 (.79)	20/25/30/40	¾/1/1¼	25/40	1½
8	136 (5.35)	122 (4.80)	106 (4.17)	35 (1.38)	25/30/40	1/1¼	25/40	1½
10	170 (6.69)	156 (6.14)	140 (5.51)	35 (1.38)	25/30/40	1/1¼	25/40/60	1½/2½
12	203 (7.99)	189 (7.44)	173 (6.81)	35 (1.38)	25/30/40/50/60	1/1¼	25/40/60	1½/2½
16	268 (10.55)	254 (10.00)	238 (9.37)	40 (1.57)	60/80		40/50/60/55/80	



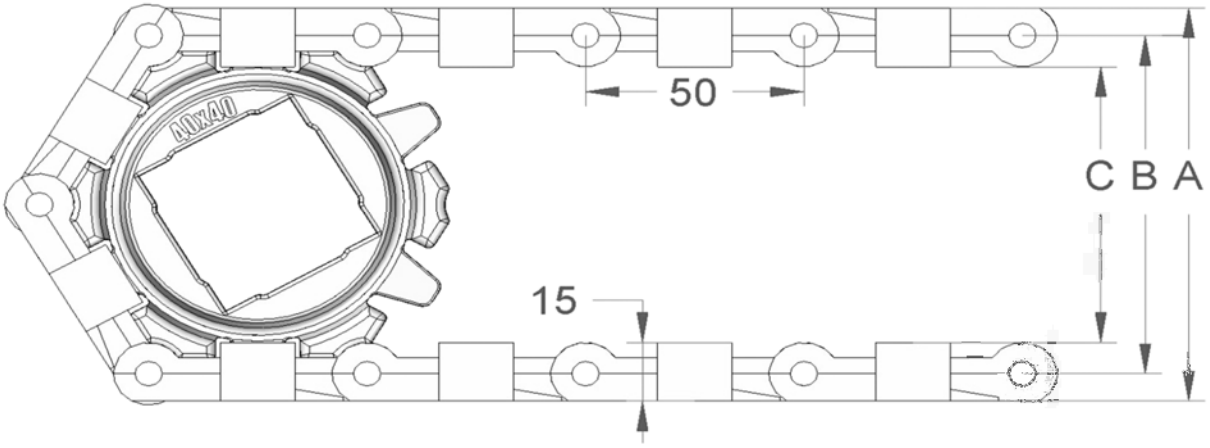
S.50-608



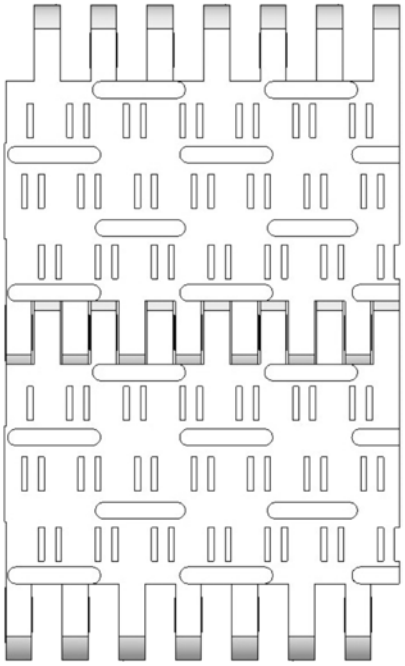
Belt Data		
Materials	Max. belt pull Lb/ft of width	Belt weight lb/square foot
Polyethylene (PE)	1200	1.43
Polypropylene (PP)	1600	1.43
Polyacetal (POM)	2400	2.25

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(.98), 50(1.97), 75(2.95) and 100 mm(3.94) flights. Extended and bent flights. 75(2.95) and 150 mm(5.91) supported flights. 50(1.97), 75(2.95), 100(3.94) and 150 mm(5.91) side guards. 50 mm(1.97) 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(.39), e.g. 100(3.94), 110 mm(4.33)
Food approved	

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 (4.06)	89 (3.50)	73 (2.87)	20 (.79)	20/25/30/40	¾/1/1¼	25/40	1½
8	136 (5.35)	122 (4.80)	106 (4.17)	35 (1.38)	25/30/40	1/1¼	25/40	1½
10	170 (6.69)	156 (6.14)	140 (5.51)	35 (1.38)	25/30/40	1/1¼	25/40/60	1½/2½
12	203 (7.99)	189 (7.44)	173 (6.81)	35 (1.38)	25/30/40/50/60	1/1¼	25/40/60	1½/2½
16	268 (10.55)	254 (10.00)	238 (9.37)	40 (1.57)	60/80		40/50/60/55/80	



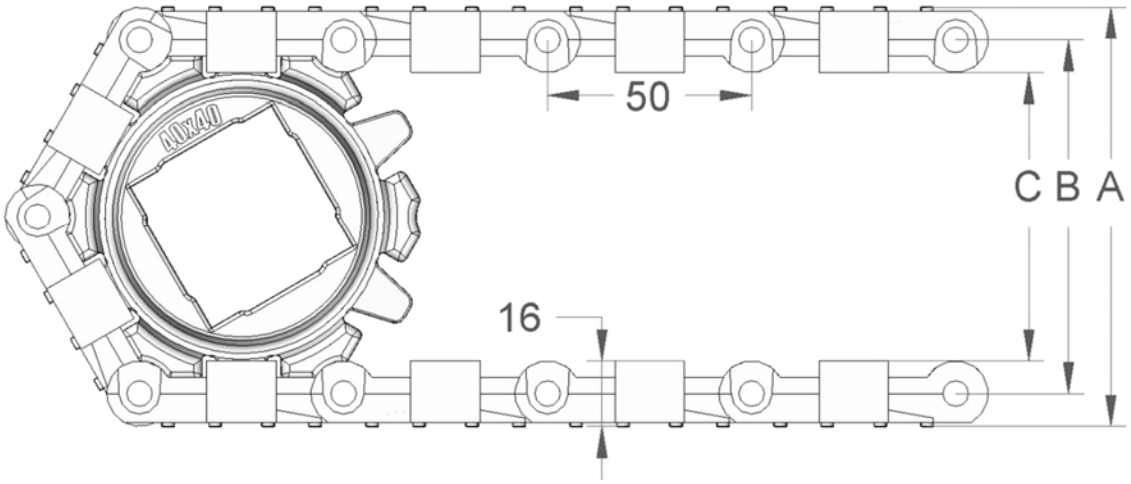
S.50-610



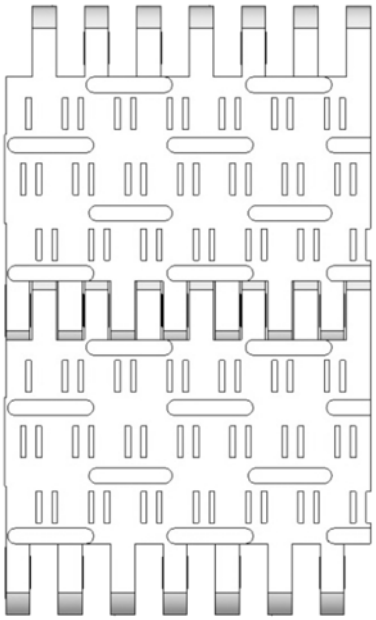
Belt Data		
Materials	Max. belt pull Lb/ft of width	Belt weight lb/square foot
Polyethylene (PE)	1200	1.43
Polypropylene (PP)	1600	1.43
Polyacetal (POM)	2400	2.25

Belt surface:	Perforated flat top with 1 mm (.04) flights.
Open area:	9%. Biggest opening 1 x 6 mm (.04 x .24).
Strength:	The right belt for medium-heavy transportation.
Material/colour:	PE/nat, PP/white and grey. POM/blue.
Cleanability:	Excellent. FSIS.
Accessories:	25(.98), 50(1.97), 75(2.95) and 100 mm(3.94) flights. Extended and bent flights. 75(2.95) and 150 mm(5.91) supported flights. 50(1.97), 75(2.95), 100(3.94) and 150 mm(5.91) side guards. 50 mm(1.97) 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(.39), e.g. 100(3.94), 110 mm(4.33)
Food approved	

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 (4.13)	89 (3.50)	73 (2.87)	20 (.79)	20/25/30/40	¾/1/1¼	25/40	1½
8	138 (5.43)	122 (4.80)	106 (4.17)	35 (1.38)	25/30/40	1/1¼	25/40	1½
10	172 (6.77)	156 (6.14)	140 (5.51)	35 (1.38)	25/30/40	1/1¼	25/40/60	1½/2½
12	205 (8.07)	189 (7.44)	173 (6.81)	35 (1.38)	25/30/40/50/60	1/1¼	25/40/60	1½/2½
16	270 (10.63)	254 (10.00)	238 (9.37)	40 (1.57)	60/80		40/50/60/55/80	



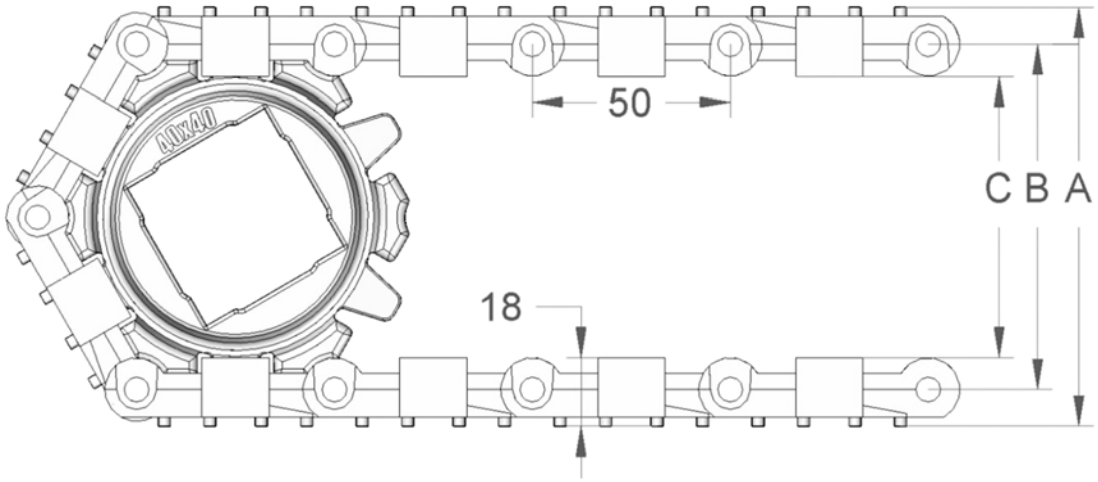
S.50-630



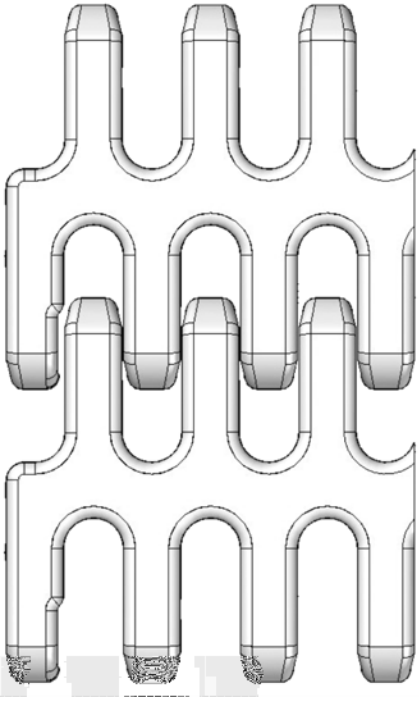
Belt Data		
Materials	Max. belt pull Lb/ft of width	Belt weight lb/square foot
Polyethylene (PE)	1200	1.43
Polypropylene (PP)	1600	1.43
Polyacetal (POM)	2400	2.25

Belt surface:	Perforated flat top with 3 mm (.12) flights.
Open area:	9%. Biggest opening 1 x 6 mm (.04 x .24)
Strength:	The right belt for medium-heavy transportation.
Material/colour:	PE/nat, PP/white and grey. POM/blue.
Cleanability:	Excellent. FSIS.
Accessories:	25(.98), 50(1.97), 75(2.95) and 100 mm(3.94) flights. Extended and bent flights. 75(2.95) and 150 mm(5.91) supported flights. 50(1.97), 75(2.95), 100(3.94) and 150 mm(5.91) side guards. 50 mm(1.97) comb flights, friction top. Hold-down. 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(.39), e.g. 100(3.94), 110 mm(4.33)
Food approved	

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 (4.29)	89 (3.50)	73 (2.87)	20 (.79)	20/25/30/40	¾/1/1¼	25 / 40	1½
8	142 (5.59)	122 (4.80)	106 (4.17)	35 (1.38)	25/30/40	1/1¼	25/40	1½
10	176 (6.93)	156 (6.14)	140 (5.51)	35 (1.38)	25/30/40	1/1¼	25/40/60	1½/2½
12	209 (8.23)	189 (7.44)	173 (6.81)	35 (1.38)	25/30/40/50/60	1/1¼	25/40/60	1½/2½
16	274 (10.79)	254 (10.00)	238 (9.37)	40 (1.57)	60/80		40/50/60/55/80	



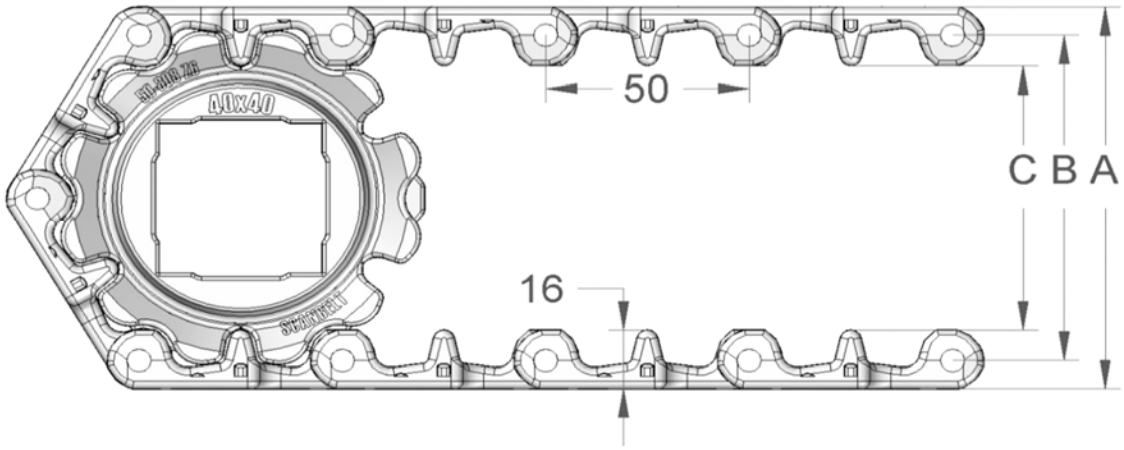
S.50-801



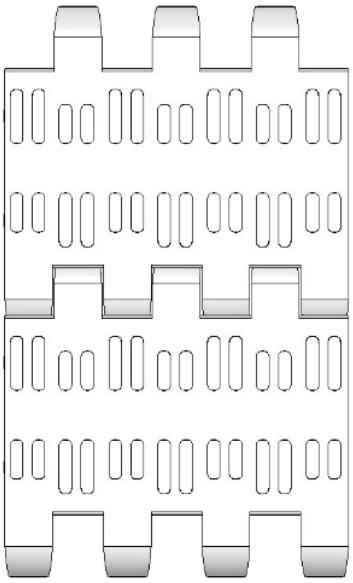
Belt Data		
Materials	Max. belt pull Lb/ft of width	Belt weight lb/square foot
Polyethylene (PE)	800	1.43
Polypropylene (PP)	940	1.43
Polyacetal (POM)	1385	2.05

Belt surface:	Open belt with a smooth surface
Open area:	24%. Biggest opening 10 x 12 mm (.39 x .47)
Strength:	The right belt for medium-heavy transportation.
Material/colour:	PE/nat, PP/white and grey. POM/blue.
Cleanability:	Excellent. FSIS.
Accessories:	3 (.12), 25(.98), 50(1.97), 75(2.95) and 100 mm(3.94) flights. Extended and bent flights. 75(2.95) and 150 mm(5.91) supported flights. 50(1.97), 75(2.95), 100(3.94) and 150 mm(5.91) 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 (.79), e.g. 100 (3.94), 120 mm (4.72) **Special widths available on request.**
Foood approved	

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 (4.02)	89 (3.50)	73 (2.87)	20 (.79)	20/25/30/40	¾/1/1¼	25 /40	1½
8	136 (5.35)	122 (4.80)	106 (4.17)	35 (1.38)	25/30/40	1/1¼	25/40	1½
10	171 (6.73)	156 (6.14)	140 (5.51)	35 (1.38)	25/30/40	1/1¼	25/40/60	1½/2½
12	203 (7.99)	189 (7.44)	173 (6.81)	35 (1.38)	25/30/40/50/60	1/1¼	25/40/60	1½/2½



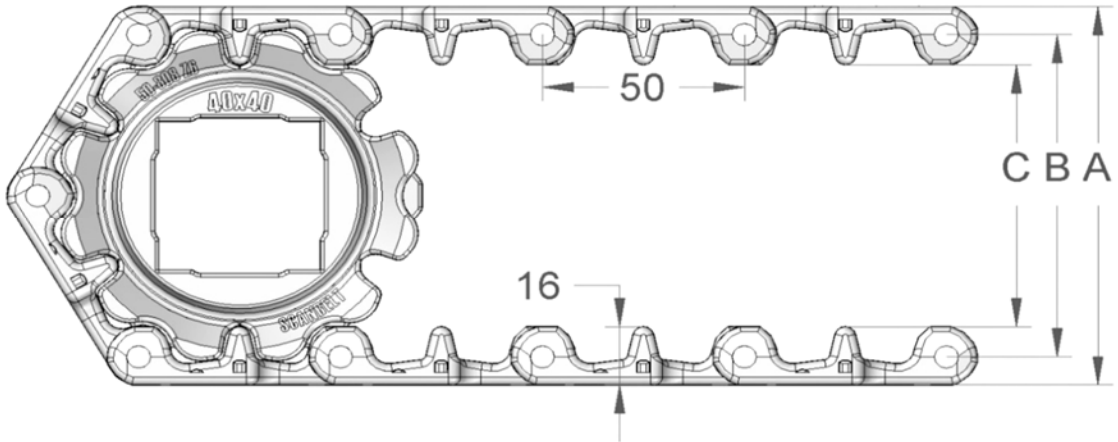
S.50-806



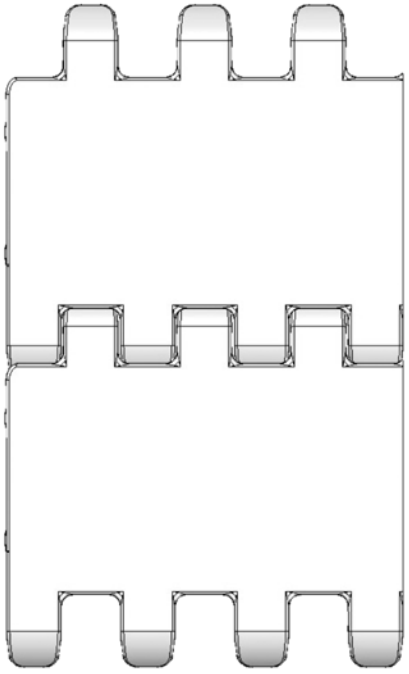
Belt Data		
Materials	Max. belt pull Lb/ft of width	Belt weight lb/square foot
Polyethylene (PE)	800	1.43
Polypropylene (PP)	940	1.43
Polyacetal (POM)	1385	2.05

Belt surface:	Open belt with a smooth surface
Open area:	20%. Biggest opening 2.5 x 11 mm (.10 x .43)
Strength:	The right belt for medium-heavy transportation.
Material/colour:	PE/nat, PP/white and grey. POM/blue.
Cleanability:	Excellent. FSIS.
Accessories:	3 (.12), 25(.98), 50(1.97), 75(2.95) and 100 mm(3.94) flights. Extended and bent flights. 75(2.95) and 150 mm(5.91) supported flights. 50(1.97), 75(2.95), 100(3.94) and 150 mm(5.91) 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 (.79), e.g. 100 (3.94), 120 mm (4.72) **Special widths available on request.**
Food approved	

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 (4.02)	89 (3.50)	73 (2.87)	20 (.79)	20/25/30/40	¾/1/1¼	25 /40	1½
8	136 (5.35)	122 (4.80)	106 (4.17)	35 (1.38)	25/30/40	1/1¼	25/40	1½
10	171 (6.73)	156 (6.14)	140 (5.51)	35 (1.38)	25/30/40	1/1¼	25/40/60	1½/2½
12	203 (7.99)	189 (7.44)	173 (6.81)	35 (1.38)	25/30/40/50/60	1/1¼	25/40/60	1½/2½



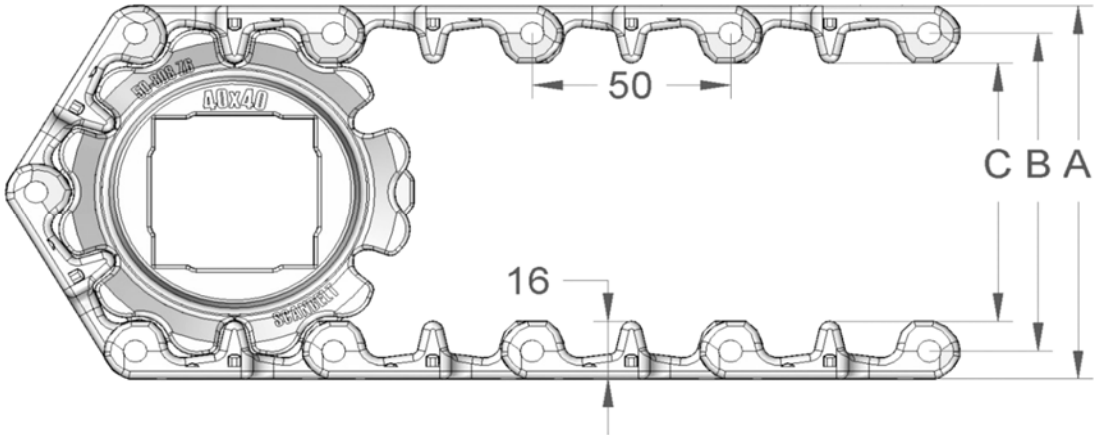
S.50-808



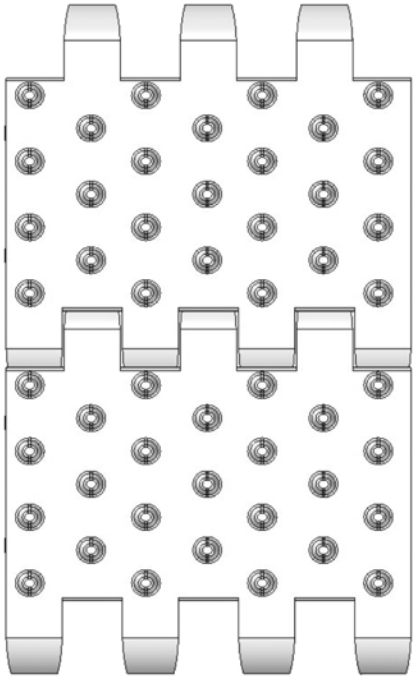
Belt Data		
Materials	Max. belt pull Lb/ft of width	Belt weight lb/square foot
Polyethylene (PE)	800	1.64
Polypropylene (PP)	940	1.64
Polyacetal (POM)	1385	2.46

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:	3 (.12), 25(.98), 50(1.97), 75(2.95) and 100 mm(3.94) flights. Extended and bent flights. 75(2.95) and 150 mm(5.91) supported flights. 50(1.97), 75(2.95), 100(3.94) and 150 mm(5.91) 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 (.79), e.g. 100 (3.94), 120 mm (4.72) **Special widths available on request.**
Food approved	

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 (4.02)	89 (3.50)	73 (2.87)	20 (.79)	20/25/30/40	¾/1/1¼	25/40	1½
8	136 (5.35)	122 (4.80)	106 (4.17)	35 (1.38)	25/30/40	1/1¼	25/40	1½
10	171 (6.73)	156 (6.14)	140 (5.51)	35 (1.38)	25/30/40	1/1¼	25/40/60	1½/2½
12	203 (7.99)	189 (7.44)	173 (6.81)	35 (1.38)	25/30/40/50/60	1/1¼	25/40/60	1½/2½



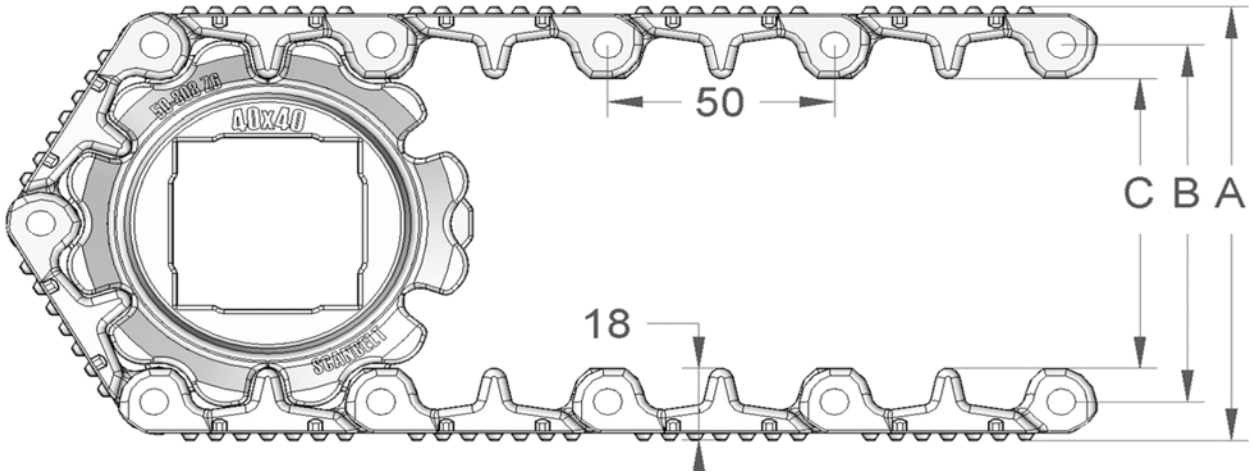
S.50-830



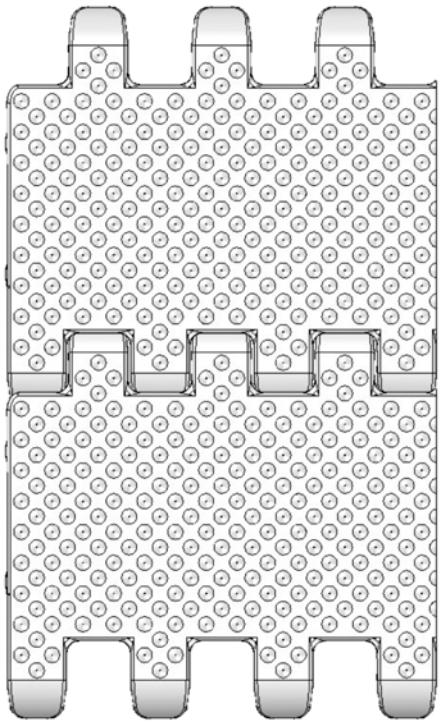
Belt Data		
Materials	Max. belt pull Lb/ft of width	Belt weight lb/square foot
Polyethylene (PE)	800	1.64
Polypropylene (PP)	940	1.64
Polyacetal (POM)	1385	2.46

Belt surface:	Structure top with 3 mm (.12) 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:	3 (.12), 25(.98), 50(1.97), 75(2.95) and 100 mm(3.94) flights. Extended and bent flights. 75(2.95) and 150 mm(5.91) supported flights. 50(1.97), 75(2.95), 100(3.94) and 150 mm(5.91) side guards. Hold-down. Flights fitted with a round top.
Application:	Seafood, red meat, vegetable etc.
Standard widths:	Increments of 20 mm (.79), e.g. 100 (3.94), 120 mm (4.72) **Special widths available on request.**
Food approved	

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 (4.25)	89 (3.50)	73 (2.87)	20 (.79)	20/25/30/40	¾/1/1¼	25 /40	1½
8	142 (5.59)	122 (4.80)	106 (4.17)	35 (1.38)	25/30/40	1/1¼	25/40	1½
10	176 (6.93)	156 (6.14)	140 (5.51)	35 (1.38)	25/30/40	1/1¼	25/40/60	1½/2½
12	209 (8.23)	189 (7.44)	173 (6.81)	35 (1.38)	25/30/40/50/60	1/1¼	25/40/60	1½/2½



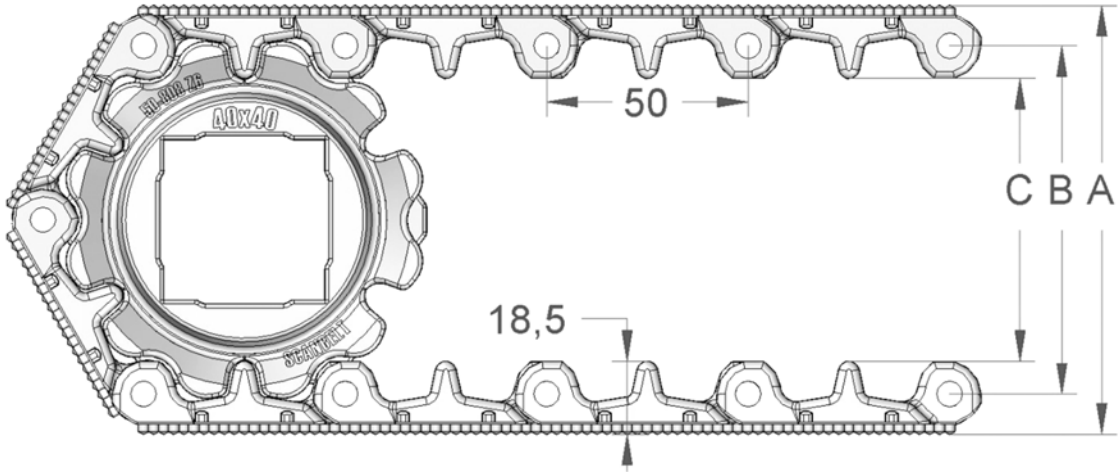
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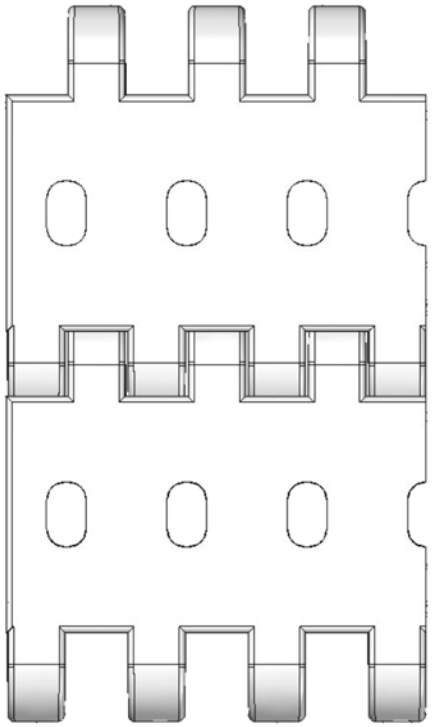
Belt Data		
Materials	Max. belt pull Lb/ft of width	Belt weight lb/square foot
Polyethylene (PE) Polypropylene (PP) Polyacetal (POM)	800 940 1385	1.64 1.64 2.46

Belt surface:	Structure top with 3 mm (.12) 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:	3 (.12), 25(.98), 50(1.97), 75(2.95) and 100 mm(3.94) flights. Extended and bent flights. 75(2.95) and 150 mm(5.91) supported flights. 50(1.97), 75(2.95), 100(3.94) and 150 mm(5.91) side guards. Hold-down. Flights fitted with a round top.
Application:	Seafood, red meat, vegetable, sweets etc.
Standard widths:	Increments of 20 mm (.79), e.g. 100 (3.94), 120 mm (4.72) **Special widths available on request.**
Food approved	

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 (4.25)	89 (3.50)	73 (2.87)	20 (.79)	20/25/30/40	¾/1/1¼	25 / 40	1½
8	142 (5.59)	122 (4.80)	106 (4.17)	35 (1.38)	25/30/40	1/1¼	25/40	1½
10	176 (6.93)	156 (6.14)	140 (5.51)	35 (1.38)	25/30/40	1/1¼	25/40/60	1½/2½
12	209 (8.23)	189 (7.44)	173 (6.81)	35 (1.38)	25/30/40/50/60	1/1¼	25/40/60	1½/2½



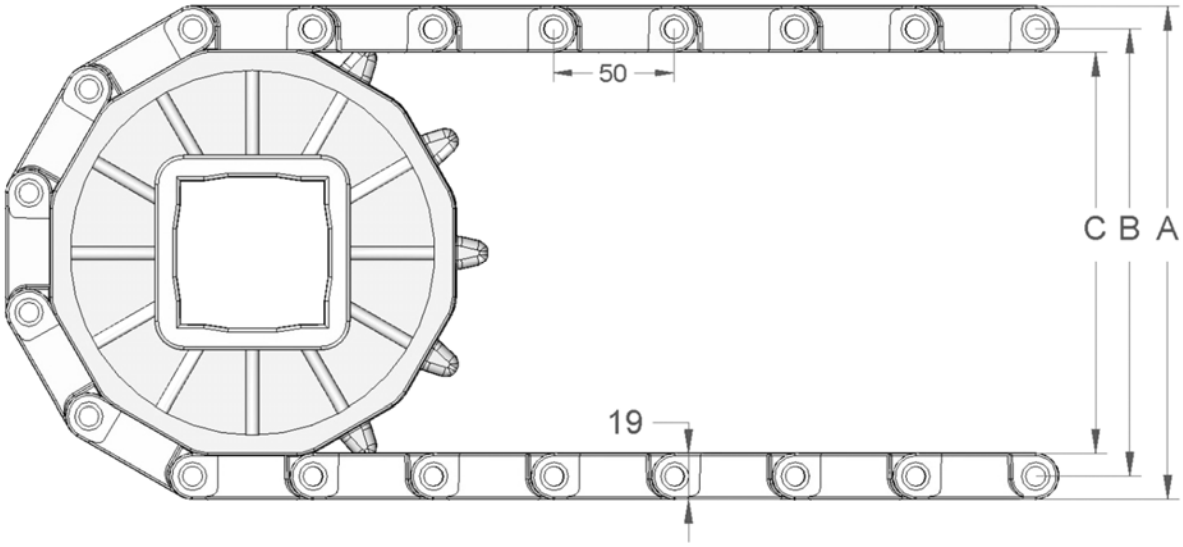
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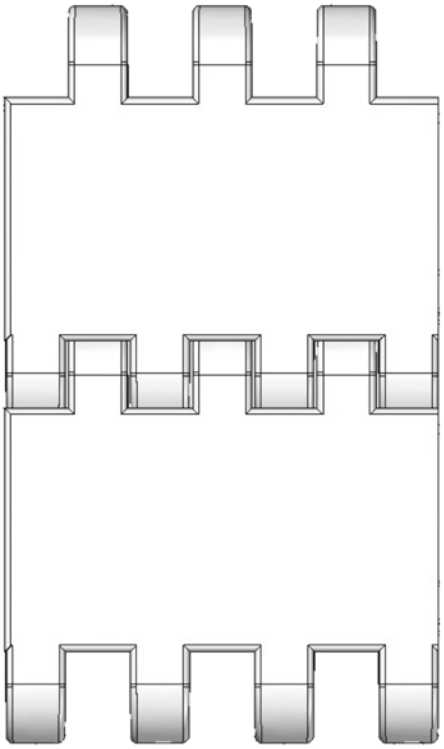
Belt Data		
Materials	Max. belt pull Lb/ft of width	Belt weight lb/square foot
Polyethylene (PE)	3225	2.66
Polypropylene (PP)	4000	2.66
Polyacetal (POM)	6880	3.89

Belt surface:	Perforated flat top.
Open area:	13 %. Biggest opening 7 x 11 mm (.28 x .43)
Strength:	The right belt for very heavy applications.
Material/colour:	PP, POM/black.
Cleanability:	Good.
Accessories:	25 mm (.98) flight.
Application:	Very heavy transportation. Assembling belt for cars. Truck loading systems.
Standard widths:	Increments of 20 mm (.79), e.g. 100 (3.94), 120 mm (4.72) **Special widths available on request.**

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 (8.27)	191 (7.52)	172 (6.77)	40 (1.57)	40/60		60/80/90	
16	273 (10.75)	254 (10.00)	235 (9.25)	40 (1.57)			60/80/90	
18	307 (12.09)	288 (11.34)	269 (10.59)	40 (1.57)	60		60/80/90	



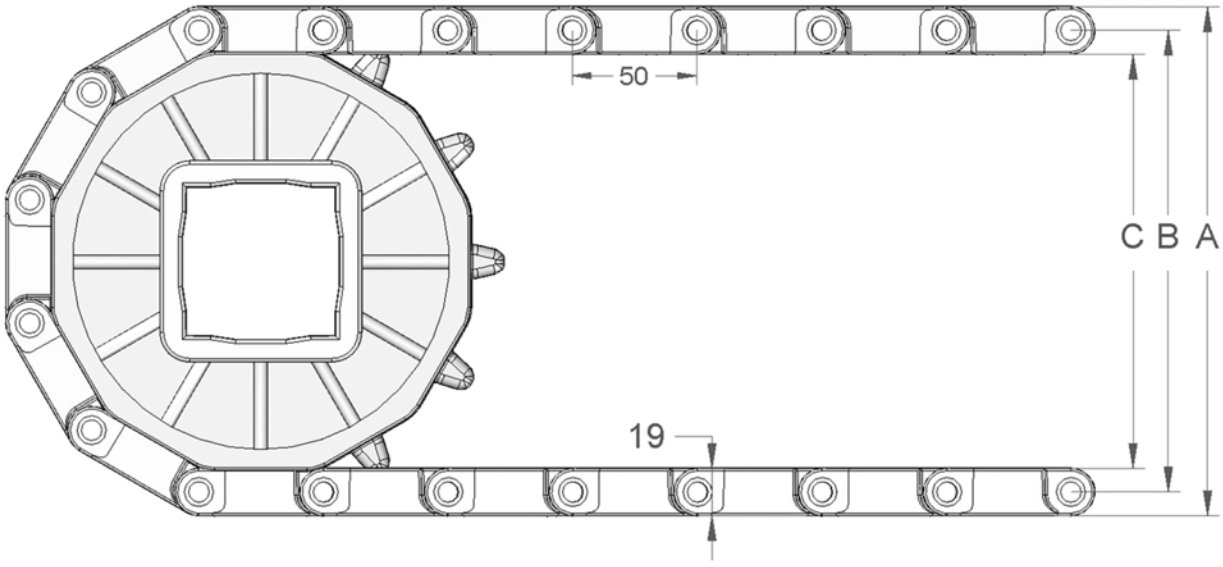
S.50-908



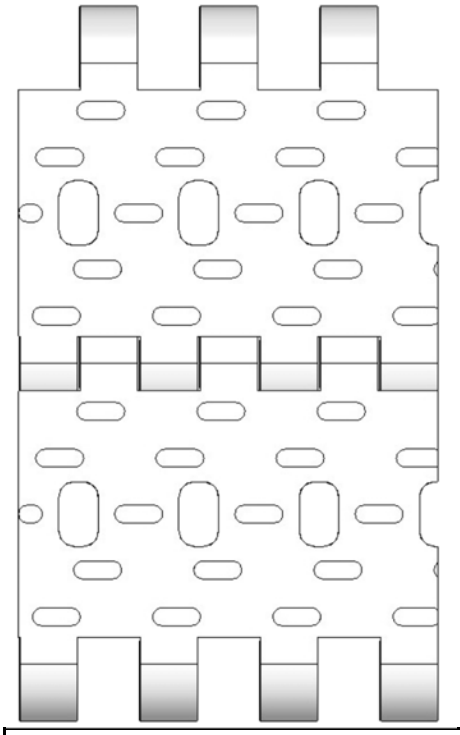
Belt Data		
Materials	Max. belt pull Lb/ft of width	Belt weight lb/square foot
Polyethylene (PE)	3225	2.66
Polypropylene (PP)	4000	2.87
Polyacetal (POM)	6880	4.30

Belt surface:	Flat top.
Open area:	Closed.
Strength:	The right belt for very heavy applications.
Material/colour:	PP, POM/black.
Cleanability:	Good.
Accessories:	25 mm (.98) flight.
Application:	Very heavy transportation. Assembling belt for cars. Truck loading systems.
Standard widths:	Increments of 20 mm (.79), e.g. 100 (3.94), 120 mm (4.72) **Special widths available on request.**

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 (8.27)	191 (7.52)	172 (6.77)	40 (1.57)	40/60		60/80/90	
16	273 (10.75)	254 (10.00)	235 (9.25)	40 (1.57)			60/80/90	
18	307 (12.09)	288 (11.34)	269 (10.59)	40 (1.57)	60		60/80/90	



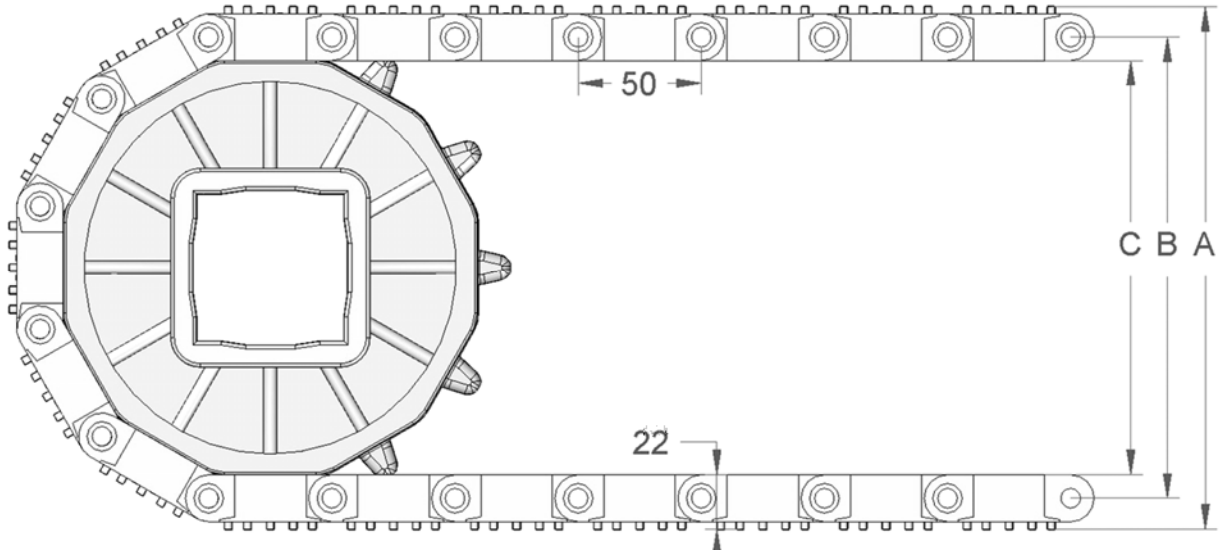
S.50-930



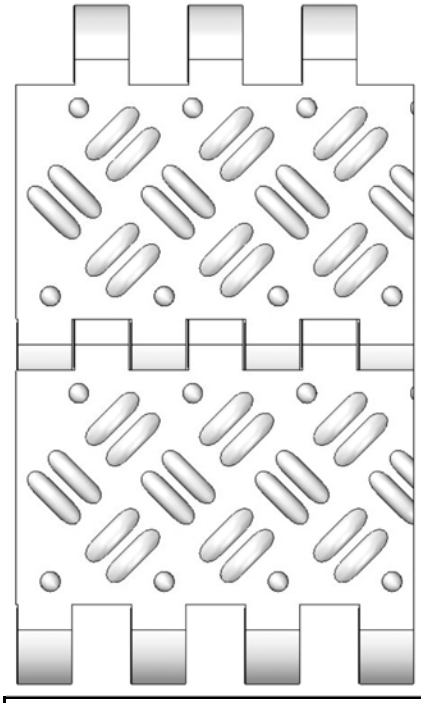
Belt Data		
Materials	Max. belt pull Lb/ft of width	Belt weight lb/square foot
Polyethylene (PE)	3225	2.87
Polypropylene (PP)	4000	2.87
Polyacetal (POM)	6880	4.30

Belt surface:	Perforated flat top with 3 mm (.12) flights.
Open area:	13 %. Biggest opening 7 x 11 mm (.28 x .43)
Strength:	The right belt for very heavy applications.
Material/colour:	PP, POM/black.
Cleanability:	Good.
Accessories:	25 mm (.98) flight.
Application:	Very heavy transportation. Assembling belt for cars. Truck loading systems.
Standard widths:	Increments of 20 mm (.79), e.g. 100 (3.94), 120 mm (4.72) **Special widths available on request.**

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 (8.50)	191 (7.52)	172 (6.77)	40 (1.57)	40/60		60/80/90	
16	279 (10.98)	254 (10.00)	235 (9.25)	40 (1.57)			60/80/90	
18	313 (12.32)	288 (11.34)	269 (10.59)	40 (1.57)	60		60/80/90	



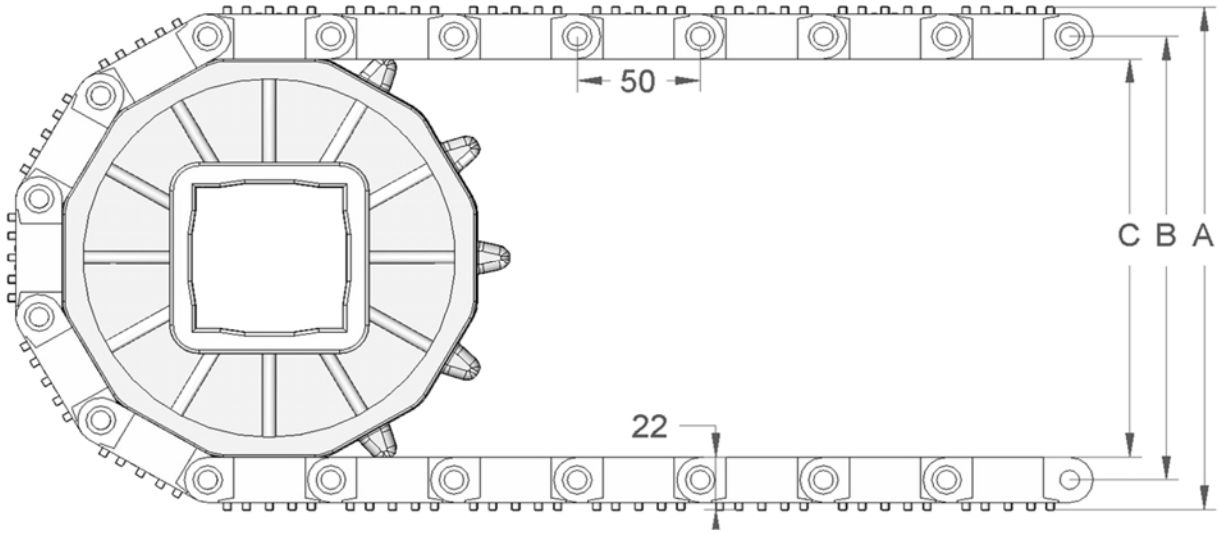
S.50-938



Belt Data		
Materials	Max. belt pull Lb/ft of width	Belt weight lb/square foot
Polyethylene (PE)	3225	2.87
Polypropylene (PP)	4000	2.87
Polyacetal (POM)	6880	4.30

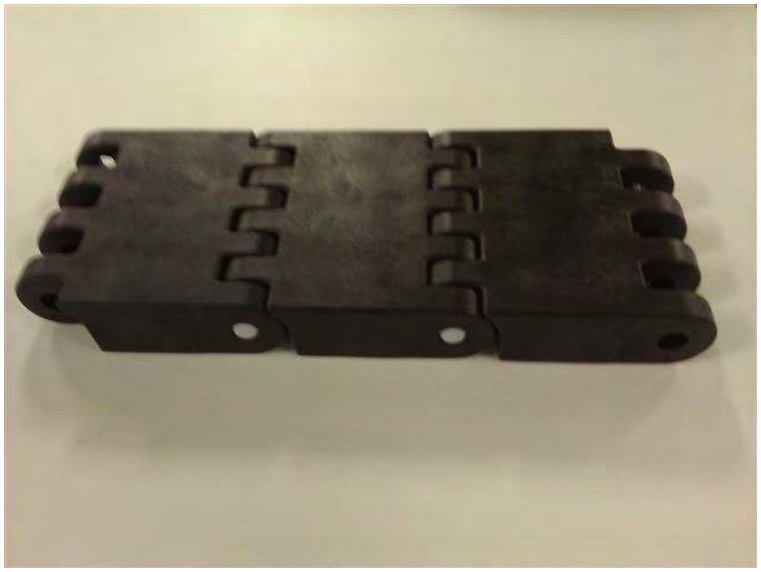
Belt surface:	Closed with 3 mm (.12) non skid pattern.
Open area:	Closed.
Strength:	The right belt for very heavy applications.
Material/colour:	PP, POM/black.
Cleanability:	Good.
Accessories:	25 mm (.98) flight.
Application:	Very heavy transportation. Assembling belt for cars. Truck loading systems.
Standard widths:	Increments of 20 mm (.79), e.g. 100 (3.94), 120 mm (4.72) **Special widths available on request**

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 (8.50)	191 (7.52)	172 (6.77)	40 (1.57)	40/60		60/80/90	
16	279 (10.98)	254 (10.00)	235 (9.25)	40 (1.57)			60/80/90	
18	313 (12.32)	288 (11.34)	269 (10.59)	40 (1.57)	60		60/80/90	

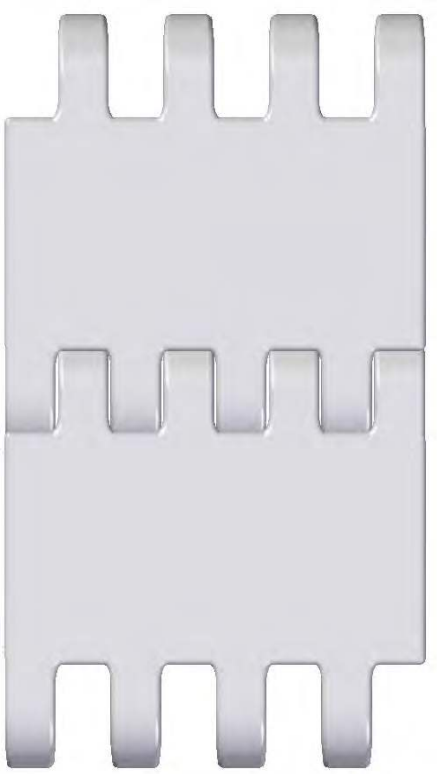


5. Belt S.75

Pitch 75mm (2.95”)



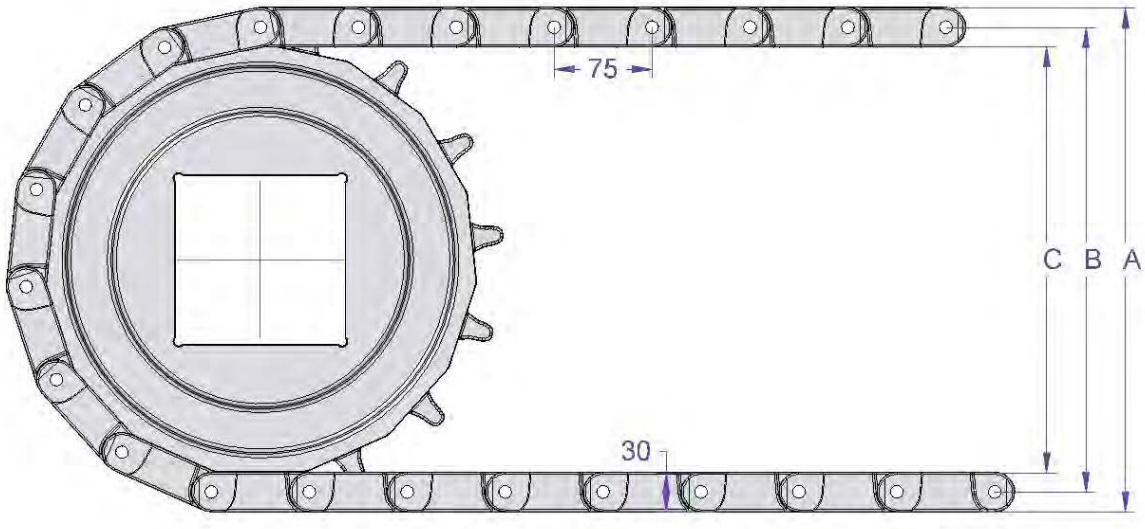
S.75-908



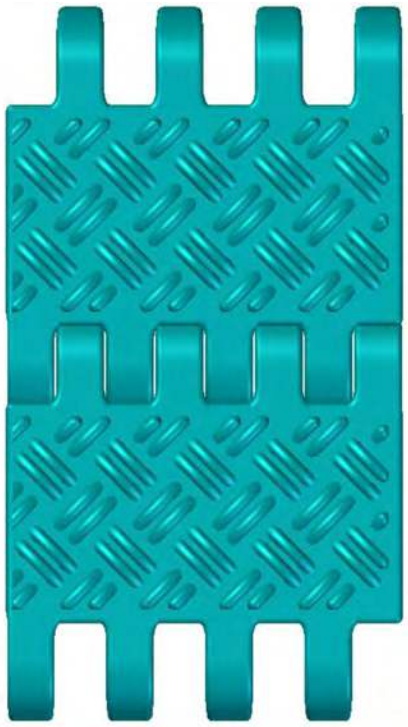
Belt Data		
Materials	Max. belt pull Lb/ft of width	Belt weight lb/square foot
Polyacetal (POM)	10,750	6.76

Belt surface:	Closed flat top.
Open area:	Closed.
Strength:	The right belt for very heavy applications.
Material/colour:	POM/black.
Cleanability:	Good.
Accessories:	50 mm comb flight, 40 mm side guards.
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	
All sprockets are machined				upon request	mm	in.	mm	in.
For ex. 15	386 (15.20")	356 (14.02")	326 (12.83")				130x130	



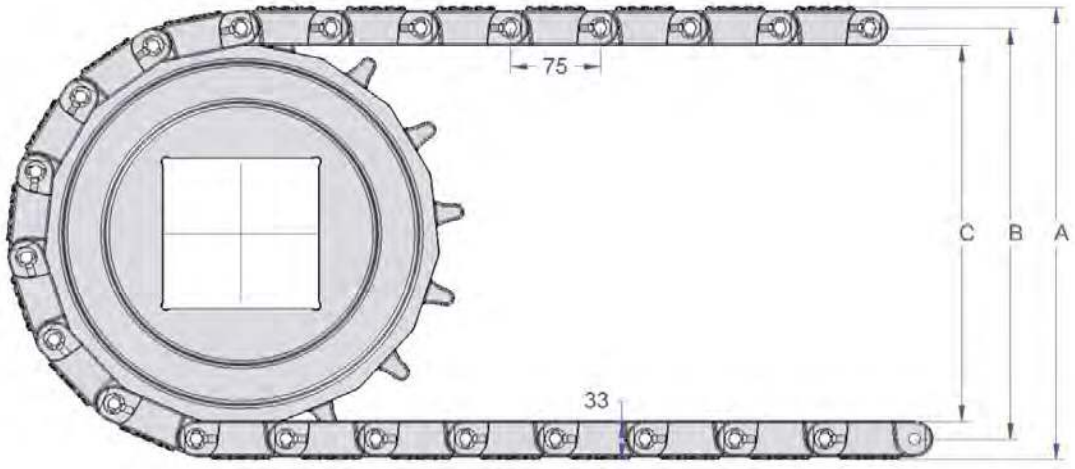
S.75-938



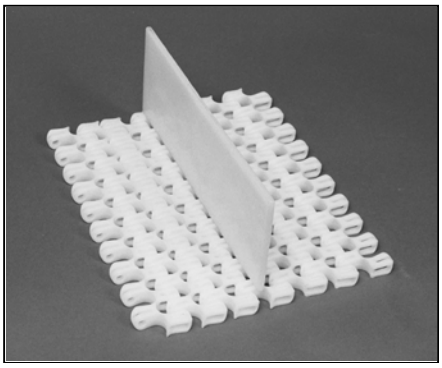
Belt Data		
Materials	Max. belt pull Lb/ft of width	Belt weight lb/square foot
Polyacetal (POM)	10,750	6.76

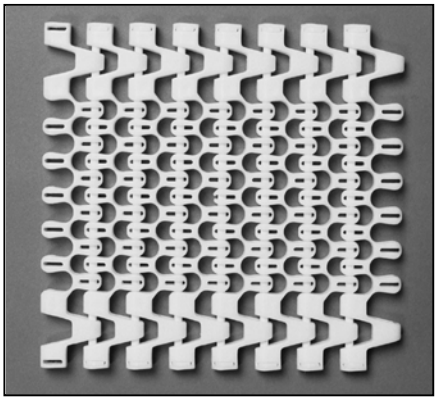
Belt surface:	Closed with 3 mm (.12) non skid pattern.
Open area:	Closed.
Strength:	The right belt for very heavy applications.
Material/colour:	POM/black.
Cleanability:	Good.
Accessories:	50 mm comb flight, 40 mm side guards.
Application:	Very heavy transportation. Assembling belt for cars. Truck loading 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	
All sprockets are machined				40	mm	in.	mm	in.
For ex. 12	314	280	250				60/80/90	

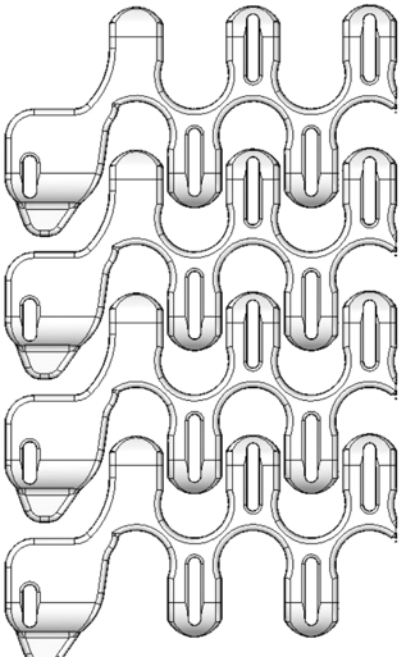


6. S.25 Radius Belt





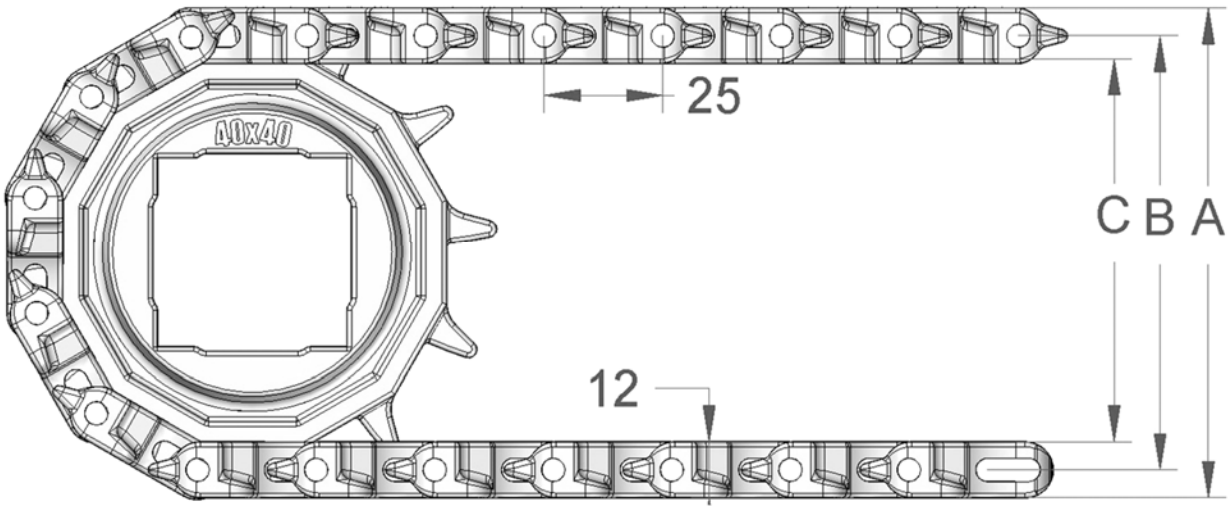
S.101



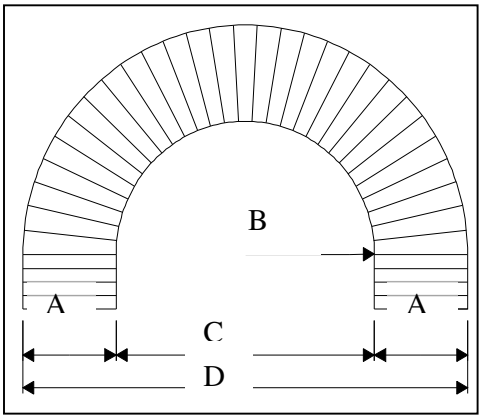
Belt Data.			
Belt material	Rods	Max. belt pull Lb	Belt weight lb/square foot
Polyacetal (POM)	PP Nylon	165 265	1.43 1.43
Polypropylene (PP)	PP Nylon	132 200	.92 .92

Belt surface:	Smooth.
Open area:	52 %
Strength:	The ideal choice for medium weight.
Material/colour:	POM, PP
Cleanability:	Good
Accessories:	25 (.98), 50 (1.97) and 75 (2.95) mm flights, friction top, hooks or tabs.
Application:	Spiral coolers, radius conveyors.
Construction:	Side modules, centre modules.
Width interval:	Normally 20 mm (.79) eg 210 (8.27), 230 mm (9.06)
Inner radius:	Collapse factor – see next page.
Food approved	

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 (3.07)	66 (2.60)	54 (2.13)	20 (.79)	20/25	1	25	
12	108 (4.25)	96 (3.78)	84 (3.31)	20 (.79)	20/25/30/40	¾/1/1¼	25/40	1½
20	173 (6.81)	161 (6.34)	149 (5.87)	35 (1.38)	25/30/40	1/1¼	25/40	1½



S.101 - 25 mm. Radius belt dimensions.



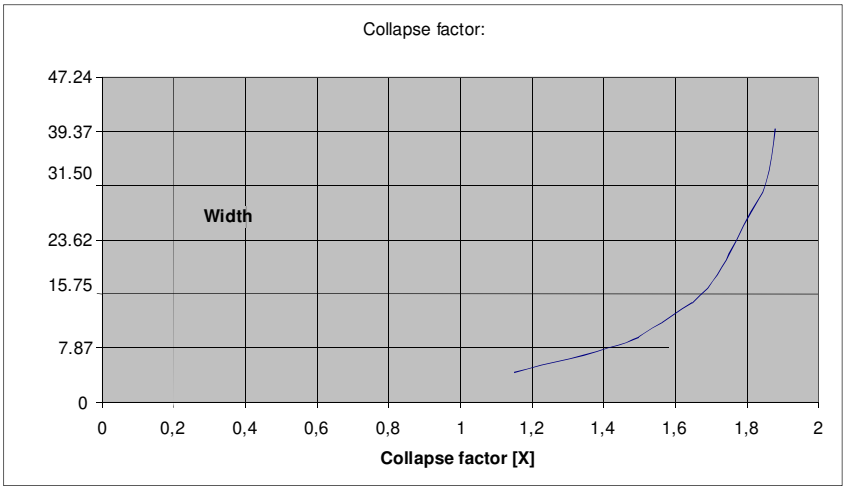
A = Standard belt width
B = Inner radius
C = Inner diameter
D = Outer diameter

A	**4.21**	**8.27**	**11.50**	**15.51**	**19.57**	**23.62**	**27.64**	**31.69**	**35.71**	**39.80**
B	5.91	11.81	17.72	25.59	33.46	40.75	49.21	57.48	66.14	75.00
C	11.81	23.62	35.43	51.18	64.96	79.53	96.46	112.99	130.31	148.03
D	20.24	40.16	58.43	82.20	104.09	126.77	151.73	176.38	201.73	227.64

Standard width – Radius belts

Belt width	Min.inner radius	Belt width	Min.inner radius
4.21	5.91	**23.62**	40.75
5.04	7.09	24.41	42.32
5.83	8.27	25.24	43.90
6.65	9.45	26.06	45.67
7.44	10.63	26.85	47.44
8.27	11.81	**27.64**	49.21
9.06	12.99	28.46	50.79
9.88	14.57	29.29	52.36
10.67	16.14	30.08	53.94
11.50	17.72	30.91	55.71
12.28	19.29	**31.69**	57.48
13.11	20.87	32.52	59.25
13.90	22.44	33.31	61.02
14.72	24.02	34.13	62.80
15.51	25.59	34.92	64.37
16.30	27.17	**35.71**	66.14
17.13	28.74	36.54	67.91
17.91	30.31	37.36	69.69
18.78	31.89	38.19	71.46
19.57	33.46	38.98	73.23
20.39	34.84	**39.80**	75.00
21.18	36.22	43.86	83.66
22.01	37.80	47.91	92.52
22.80	39.37	51.97	102.17

S-101

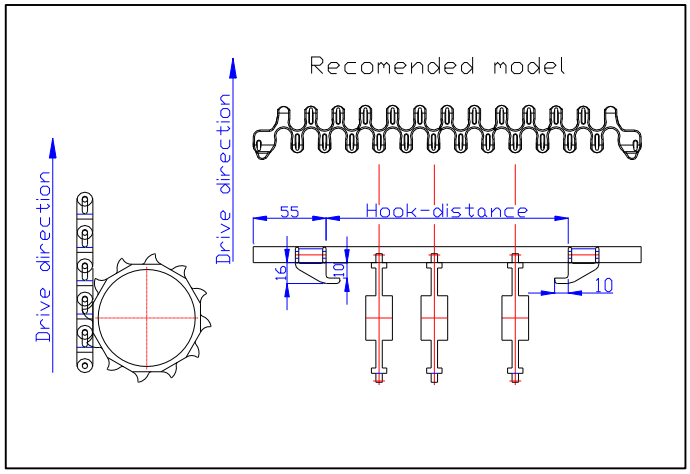


Collapse factor = $\frac{\text{min. inner radius}}{\text{belt width}}$

Min. inner radius = collapse factor x belt width.

Hook measurement for S.101 Turned inside.

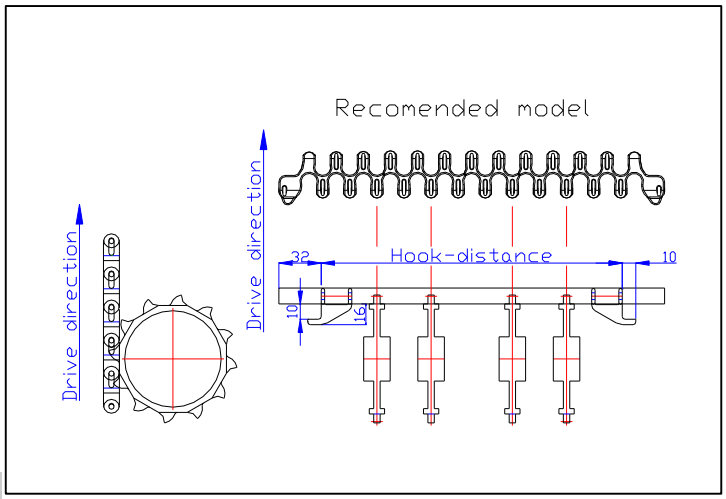
S.101 – Distance for hooks turned inside – (mm)



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

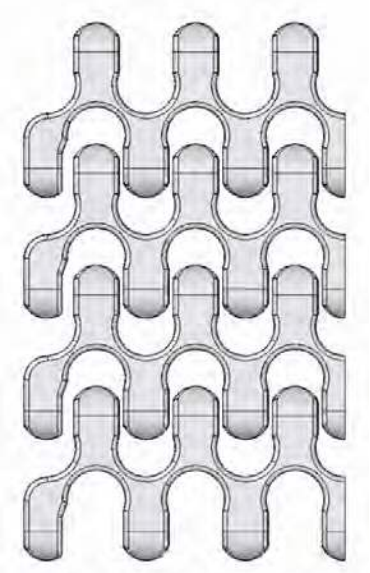
Hook measurement for S.101 Turned outside.

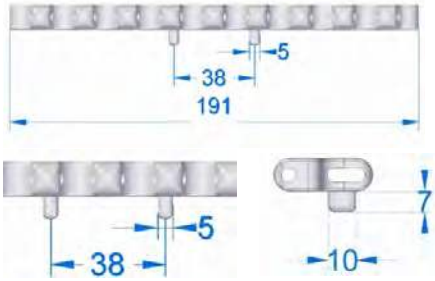
S.101 – Distance for hooks turned outside – (mm)



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

S.101Track191

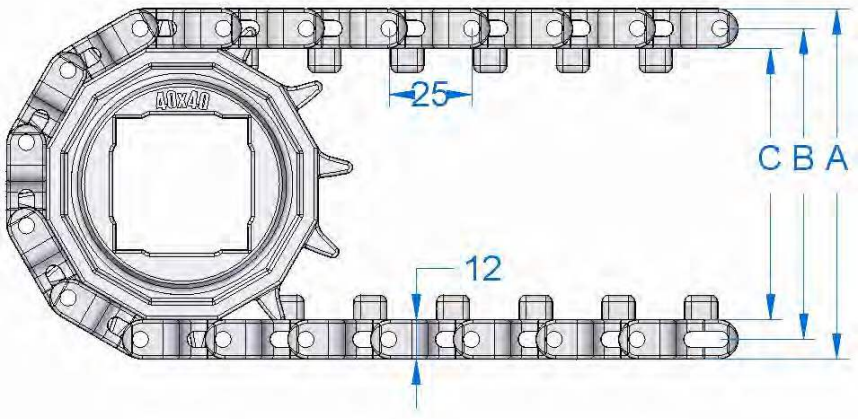




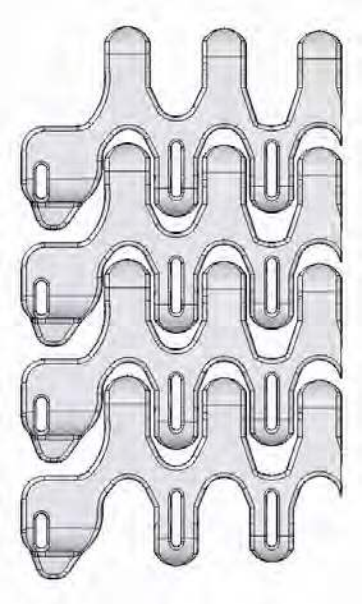
	Belt Data.			
Belt material	Rods	Max. belt pull **Straight** (lb)	Max. belt pull **Curve** (lb).	Belt weight lb/square foot
Polyacetal (POM)	Nylon	880	230	1.43
Polypropylene (PP)	PP	550	150	.92

Belt surface:	Smooth.
Open area:	52 %
Strength:	Ideal for medium weight curves.
Material/colour:	POM, PP
Cleanability:	Good
Accessories:	
Application:	Radius conveyors.
Contruction:	Single modules – standard width of 7.52”
Inner radius:	13.188”
Food approved	

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 (3.07)	66 (2.60)	54 (2.13)	20 (.79)	20/25	1	25	1½
12	108 (4.25)	96 (3.78)	84 (3.31)	20 (.79)	20/25/30/40	¾/1/1¼	25/40	1½
20	173 (6.81)	161 6.34)	149 (5.87)	35 (1.38)	25/30/40/50/60	1/1¼	25/40/60	1½/2½



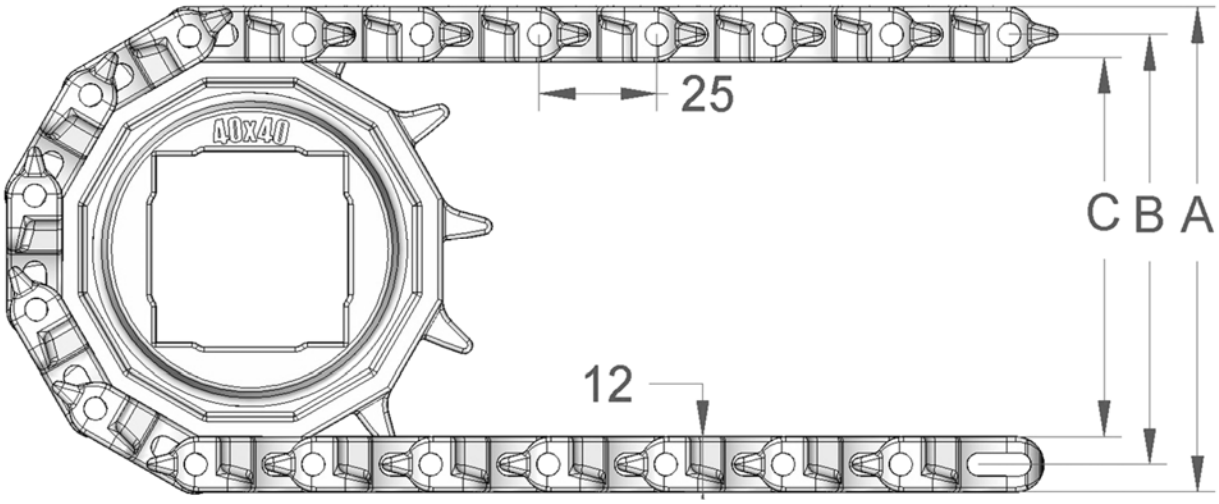
J.101



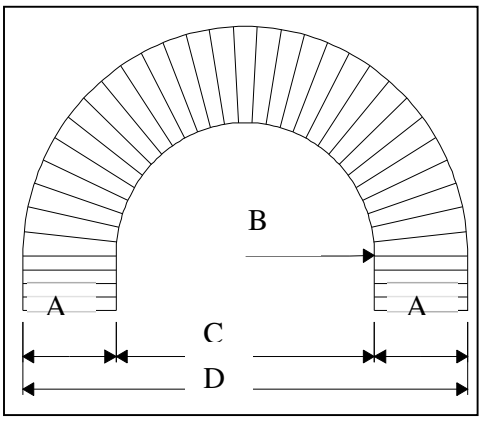
Belt Data.			
Belt material	Rods	Max. belt pull (lb)	Belt weight lb/square foot
Polyacetal (POM)	PP Nylon	350 550	1.43 1.43
Polypropylene (PP)	PP Nylon	Please contact Sparks Belting	

Belt surface:	Smooth.
Open area:	52 %
Strength:	Ideal for heavy duty spirals and J curves.
Material/colour:	POM, PP
Cleanability:	Good
Accessories:	25 (.98), 50 (1.97) and 75 (2.95) mm flights, friction top, hooks or tabs.
Application:	Spiral coolers, radius conveyors in “J-curves”.
Contruction:	Side modules, centre modules.
Width interval:	20 mm (.79”). E.g: 210 (8.27”), 230 (9.06”)mm etc.
Inner radius:	Please see next page.
Food approved	

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 (3.07)	66 (2.60)	54 (2.13)	20 (.79)	20/25	1	25	1½
12	108 (4.25)	96 (3.78)	84 (3.31)	20 (.79)	20/25/30/40	¾/1/1¼	25/40	1½
20	173 (6.81)	161 6.34)	149 (5.87)	35 (1.38)	25/30/40/50/60	1/1¼	25/40/60	1½/2½



J.101 - 25 mm. Radius belt dimensions.

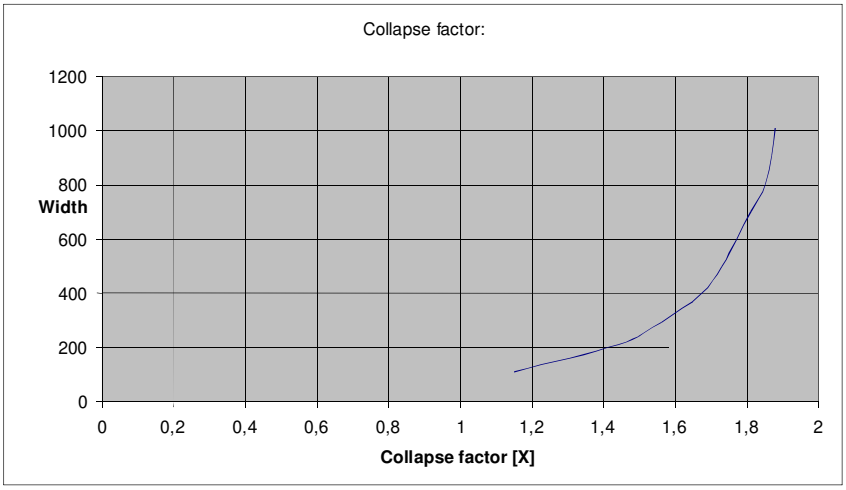


A = Standard belt width
B = Inner radius
C = Inner diameter
D = Outer diameter

A	**4.21**	**8.27**	**11.50**	**15.51**	**19.57**	**23.62**	**27.64**	**31.69**	**35.71**	**39.80**
B	5.91	11.81	17.72	25.59	33.46	40.75	49.21	57.48	66.14	75.00
C	11.81	23.62	35.43	51.18	64.96	79.53	96.46	112.99	130.31	148.03
D	20.24	40.16	58.43	82.20	104.09	126.77	151.73	176.38	201.73	227.64

Standard width – Radius belts			
Belt width.	**Min.inner radius.**	**Belt width.**	**Min.inner radius**
4.21	5.91	**23.62**	40.75
5.04	7.09	24.41	42.32
5.83	8.27	25.24	43.90
6.65	9.45	26.06	45.67
7.44	10.63	26.85	47.44
8.27	11.81	**27.64**	49.21
9.06	12.99	28.46	50.79
9.88	14.57	29.29	52.36
10.67	16.14	30.08	53.94
11.50	17.72	30.91	55.71
12.28	19.29	**31.69**	57.48
13.11	20.87	32.52	59.25
13.90	22.44	33.31	61.02
14.72	24.02	34.13	62.80
15.51	25.59	34.92	64.37
16.30	27.17	**35.71**	66.14
17.13	28.74	36.54	67.91
17.91	30.31	37.36	69.69
18.78	31.89	38.19	71.46
19.57	33.46	38.98	73.23
20.39	34.84	**39.80**	75.00
21.18	36.22	43.86	83.66
22.01	37.80	47.91	92.52
22.80	39.37	51.97	102.17

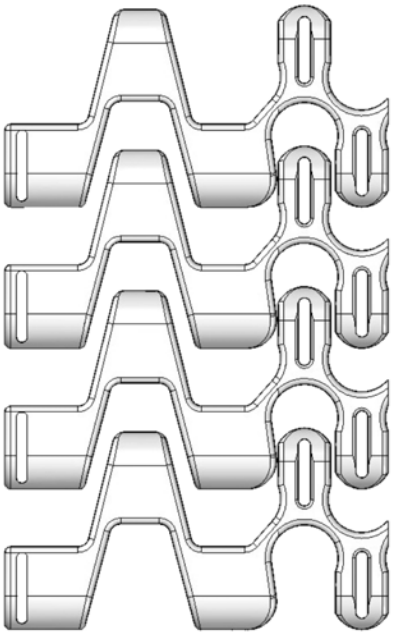
J-101



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

Min. inner radius = collapse factor x belt width.

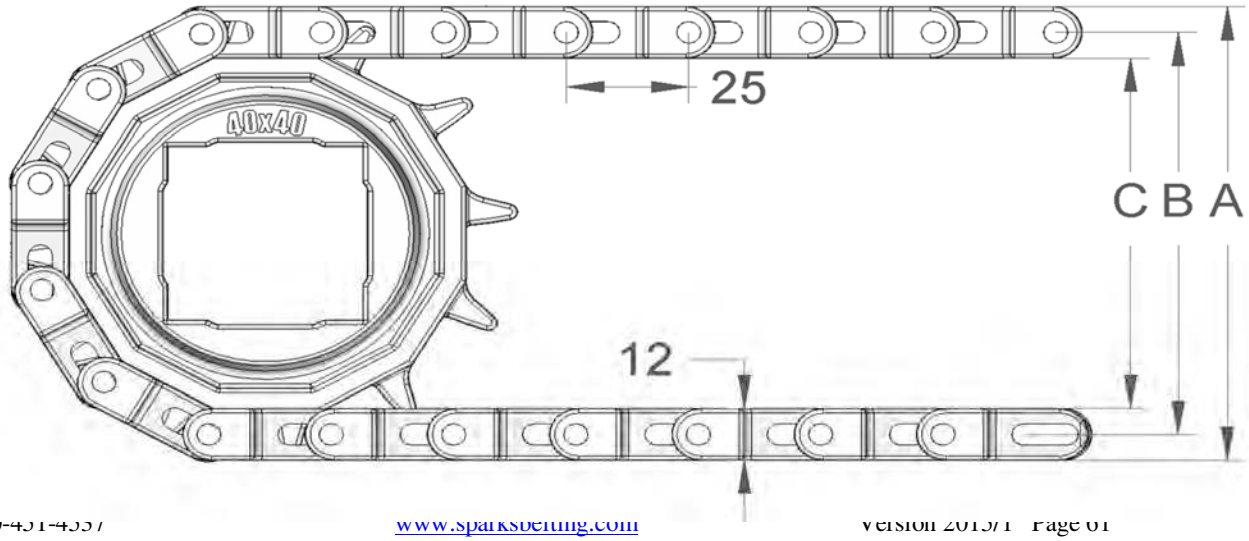
S.100R



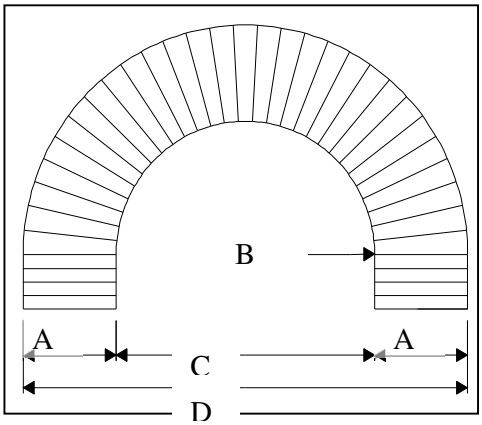
Belt Data.			
Belt material	Rods	Max. belt pull Lb	Belt weight lb/square foot
Polyacetal (POM)	PP Nylon Steel	165 240 330	1.43 1.43 2.46
Polypropylene (PP)	PP Nylon Steel	130 200 220	.92 .92 2.05

Belt surface:	Smooth.
Open area:	52 %
Strength:	The ideal choice for medium weight.
Material/colour:	POM, PP
Cleanability:	Good
Accessories:	25 (.98), 50 (1.97) and 75 mm (2.95) flights, 25 mm (.98) side guards, Friction top, hooks and steel reinforcements.
Application:	Spiral coolers, radius conveyors.
Construction:	Side modules, centre modules.
Width interval:	Normally 20 mm (.79). E.g 209 (8.23), 229 mm (9.02)
Inner radius:	Collapse factor from 1,5
Food approved	

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 (3.07)	66 (2.60)	54 (2.13)	20 (.79)	20/25	1	25	
12	108 (4.25)	96 (3.78)	84 (3.31)	20 (.79)	20/25/30/40	¾/1/1¼	25/40	1½
20	173 (6.81)	161 (6.34)	149 (5.87)	35 (1.38)	25/30/40	1/1¼	25/40	1½



S.100R - 25 mm. Radius belt dimensions.

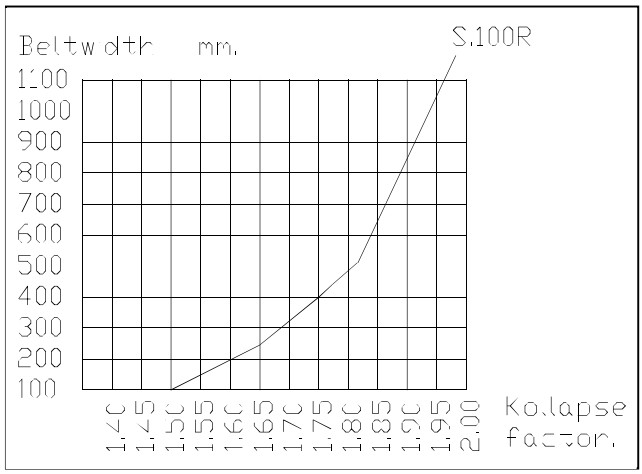


A = Standard belt width
B = Inner radius
C = Inner diameter
D = Outer diameter

Standard width – Radius belts	
S – 100R	**S – 100R**
5.00	29.17
5.79	29.96
6.61	**30.79**
7.40	31.57
8.23	32.40
9.02	33.19
9.84	34.02
10.63	**34.80**
11.46	35.59
12.24	36.42
13.07	37.20
13.86	38.03
14.69	**38.82**
15.47	39.65
16.26	**42.83**
17.05	46.85
17.83	47.64
18.70	**50.94**
19.49	51.73
20.31	
21.10	
21.93	
22.72	
23.54	
24.33	
25.12	
25.94	
26.73	
27.52	
28.35	

S-100R

A	**8.23**	**10.63**	**14.69**	**18.70**	**22.72**	**26.73**	**30.79**	**34.80**	**38.82**	**42.83**
B	13.50	17.76	25.39	33.27	41.77	49.72	57.87	66.81	74.92	84.37
C	27.01	35.51	50.79	66.54	83.54	99.45	115.75	133.62	149.84	168.74
D	43.46	56.77	80.16	103.94	128.98	152.91	177.32	203.23	227.48	254.41



Collapse factor = min. inner radius / belt width

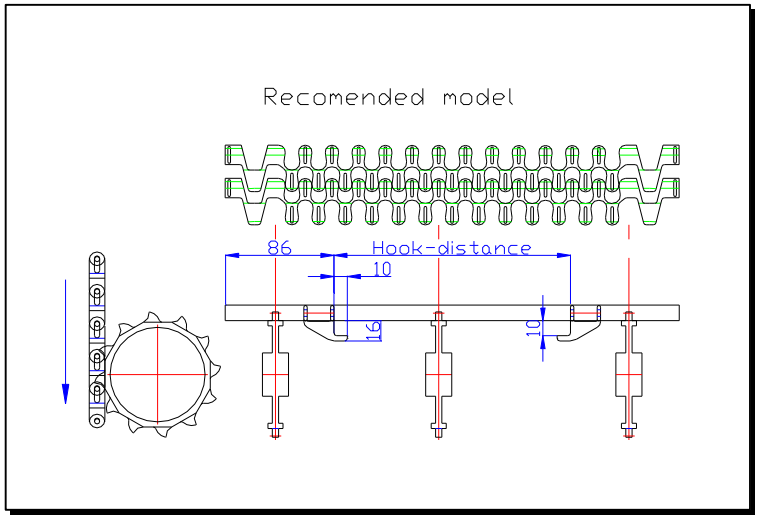
Min. inner radius = collapse factor x belt width.

Hook measurement for S.100R Turned inside

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

Belt width

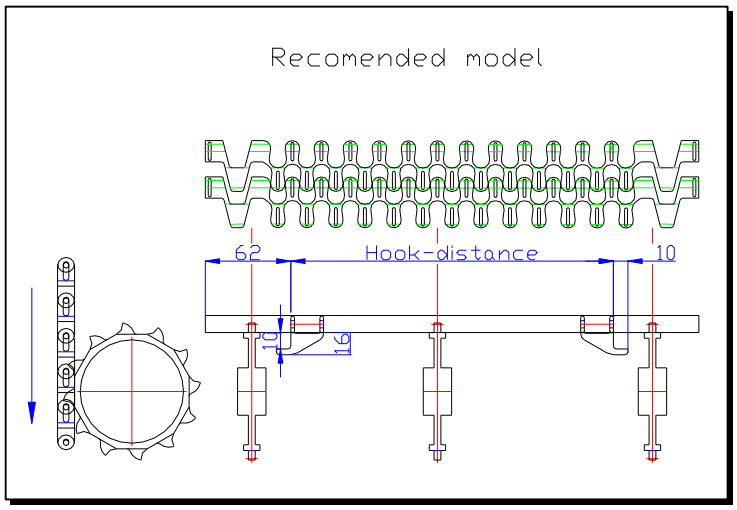
Belt width	38	58	79	99	120	140	161	181	202	221	242	262	282	304	324	345	365	386	406	427	447	467	488	508	528	549	570	590	611	631	632	672	693	714	734	754	775	795	815	836
127	38																																							
147		58																																						
168			79																																					
188				99																																				
209					120																																			
229						140																																		
250							161																																	
291								181																																
311									201																															
332										221																														
352											242																													
373												262																												
393													282																											
413														304																										
433															324																										
453																345																								
475																	365																							
495																		386																						
516																			406																					
536																				427																				
557																					447																			
577																						467																		
598																							488																	
618																								508																
638																									528															
659																										549														
679																											570													
699																												590												
720																													611											
741																														631										
761																															652									
782																																672								
802																																	693							
823																																		714						
843																																			734					
864																																				754				
884																																					775			
904																																						795		
925																																							815	
945																																								836
966																																								
986																																								
1007																																								



Hook measurement for S.100R Turned outside

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

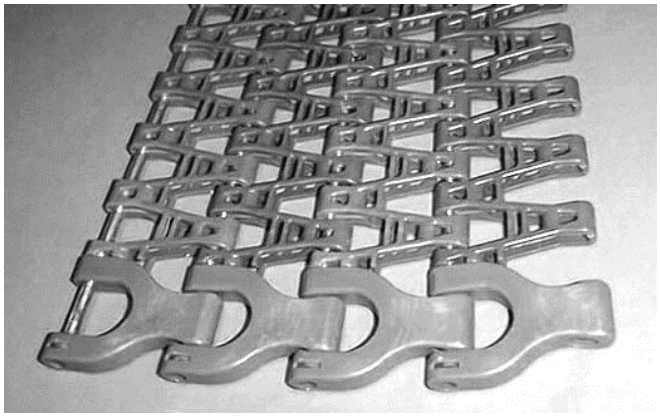
Belt width

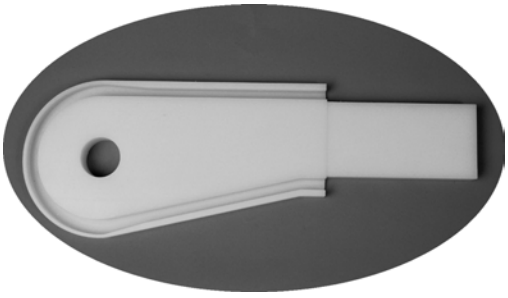


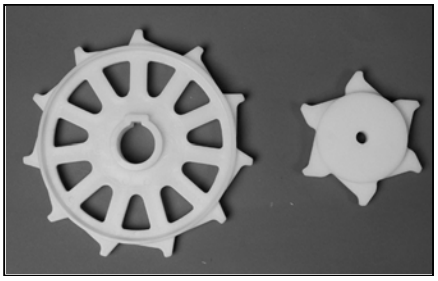
Belt width	Hook distance
127	
147	
168	
188	64
209	85
229	105
250	126
270	146
291	167
311	187
332	208
352	228
373	249
393	269
413	289
434	310
454	330
475	351
495	371
516	392
536	412
557	433
577	453
598	474
618	494
638	514
659	535
679	555
699	575
720	596
741	617
761	637
782	658
802	678
823	699
843	719
864	740
884	760
904	780
925	801
945	821
966	842
986	862
1007	883

7. S.50 Radius Belt

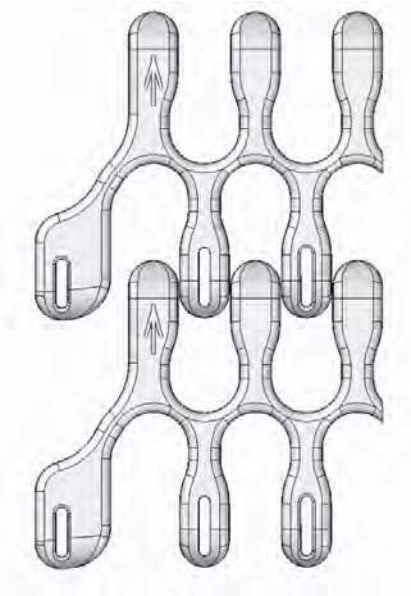
Pitch 50 mm (1.97”)







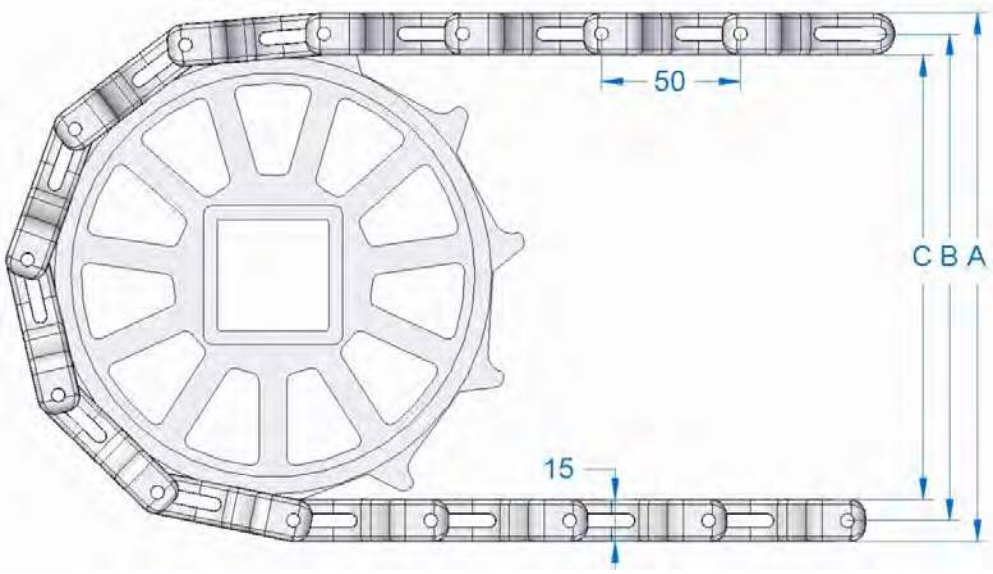
S.201



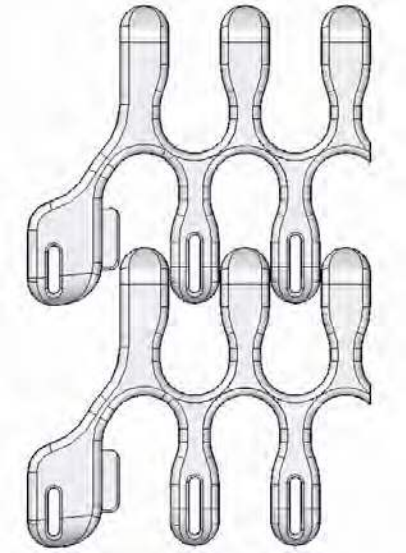
Belt Data			
Belt material	Rods	Max. belt pull (lbs).	Belt weight lb/square foot
Polyacetal (POM)	PP Nylon	450 675	1.64 1.64
Polypropylene (PP)	PP Nylon	Please contact Sparks Belting	

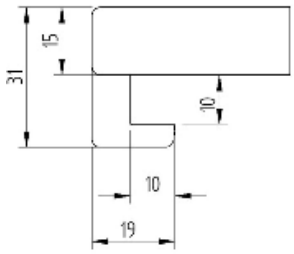
Belt surface: Smooth.
Open area: 47 %
Strength: Ideal for heavy duty spirals and curves.
Material/colour: POM, PP
Cleanability: Good
Application: Spiral coolers, radius conveyors.
Contruction: Side modules, centre modules.
Width interval: Normally 20mm.(.79") e.g: 210mm (8.27), 230mm etc.
Inner radius: Please see next page.
Food approved

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(6.65)	154(6.06)	139(5.47)	35(1.38)	25/30/40/50/60	1/1¼	25/40/60	1½/2½



S.201 Hook

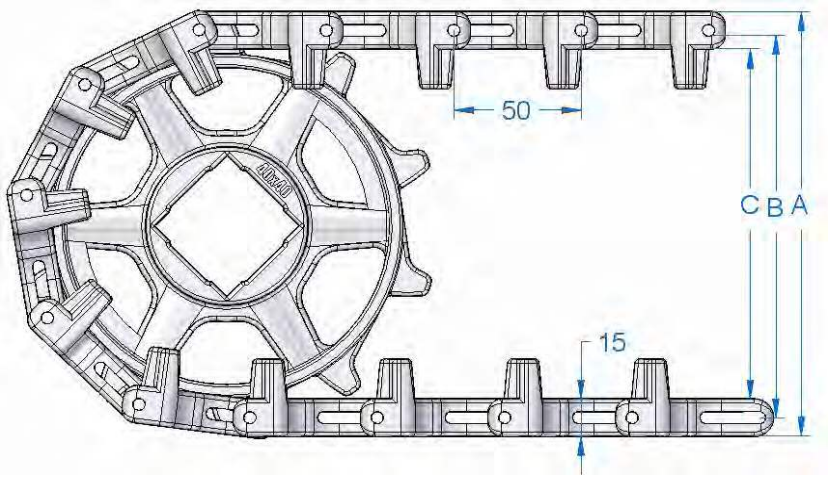




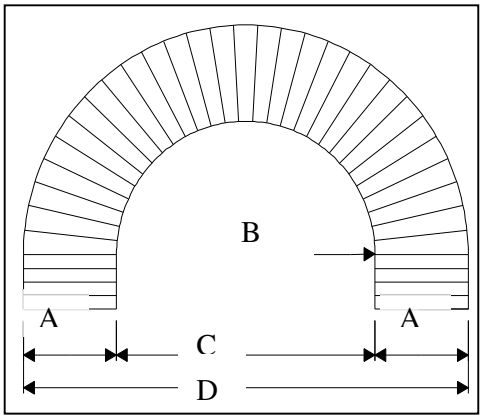
Belt Data			
Belt material	Rods	Max. belt pull (lb).	Belt weight lb/square foot
Polyacetal (POM)	PP Nylon	450 675	1.64 1.64
Polypropylene (PP)	PP Nylon	Please contact Sparks Belting	

Belt surface: Smooth.
Open area: 47 %
Strength: Ideal for heavy duty spirals and curves.
Material/colour: POM, PP
Cleanability: Good
Application: Spiral coolers, radius conveyors.
Contruction: Side modules, centre modules.
Width interval: Normally 20mm(.79”). e.g: 210mm (8.27”), 230 mm etc.
Inner radius: Please see next page.
Hooks: Turned inside
Distance between Hooks: Belt width minus 17mm (.67”).
Food approved

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(6.65)	154(6.06)	139(5.47)	35(1.38)	25/30/40/50/60	1/1¼	25/40/60	1½/2½

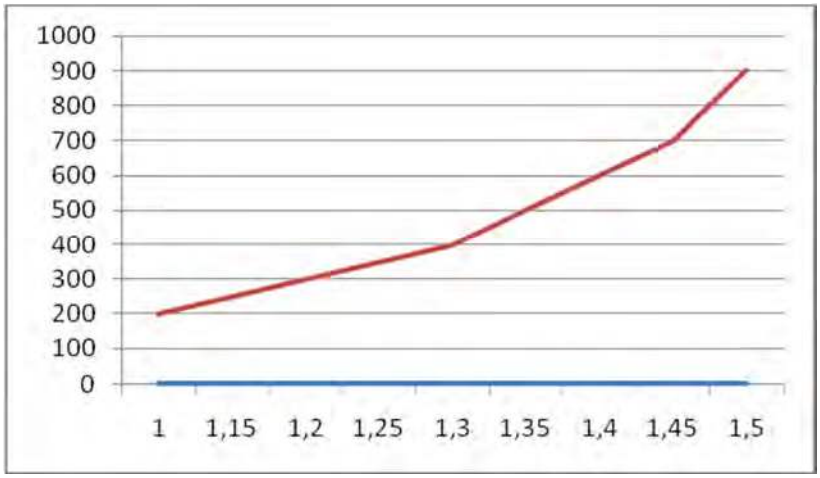


S.201 - 50 mm (1.97) Radius belt dimensions.



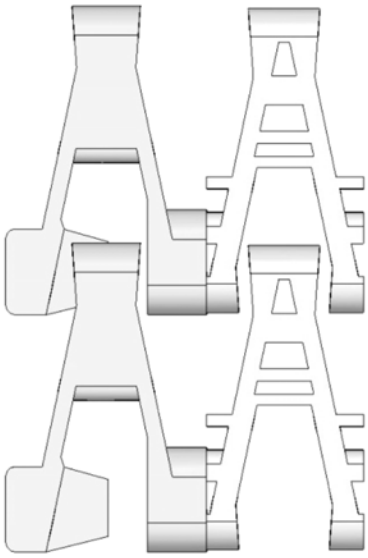
A = Standard belt width
B = Inner radius
C = Inner diameter
D = Outer diameter

A	**4.21**	**8.27**	**11.50**	**15.51**	**19.57**	**23.62**	**27.64**	**31.69**	**35.71**	**39.80**
B	5.83	9.45	13.98	19.88	26.38	33.66	40.94	47.64	53.54	60.63
C	11.65	18.90	27.95	39.76	52.76	67.32	81.89	95.28	107.09	121.26
D	20.08	35.43	50.94	70.79	91.89	114.57	137.17	158.66	178.50	200.87



Standard width – Radius belts			
Belt width.	**Min.inner radius.**	**Belt width.**	**Min inner radius**
4.21	5.83	**23.62**	33.66
5.04	6.10	**24.41**	35.04
5.83	6.30	**25.24**	36.42
6.65	7.09	**26.06**	37.80
7.44	8.07	**26.85**	39.37
8.27	9.25	**27.64**	40.94
9.06	10.43	**28.46**	42.72
9.88	11.61	**29.29**	44.09
10.67	12.80	**30.08**	45.28
11.50	13.98	**30.91**	46.46
12.28	15.16	**31.69**	47.64
13.11	16.34	**32.52**	48.82
13.90	17.52	**33.31**	50.00
14.72	18.70	**34.13**	51.22
15.51	19.88	**34.92**	52.40
16.30	21.06	**35.71**	53.54
17.13	22.24	**36.54**	55.12
17.91	23.43	**37.36**	56.50
18.78	25.00	**38.19**	58.07
19.57	26.38	**38.98**	59.25
20.39	27.76	**39.80**	60.63
21.18	29.13		
22.01	30.91		
22.80	32.28		

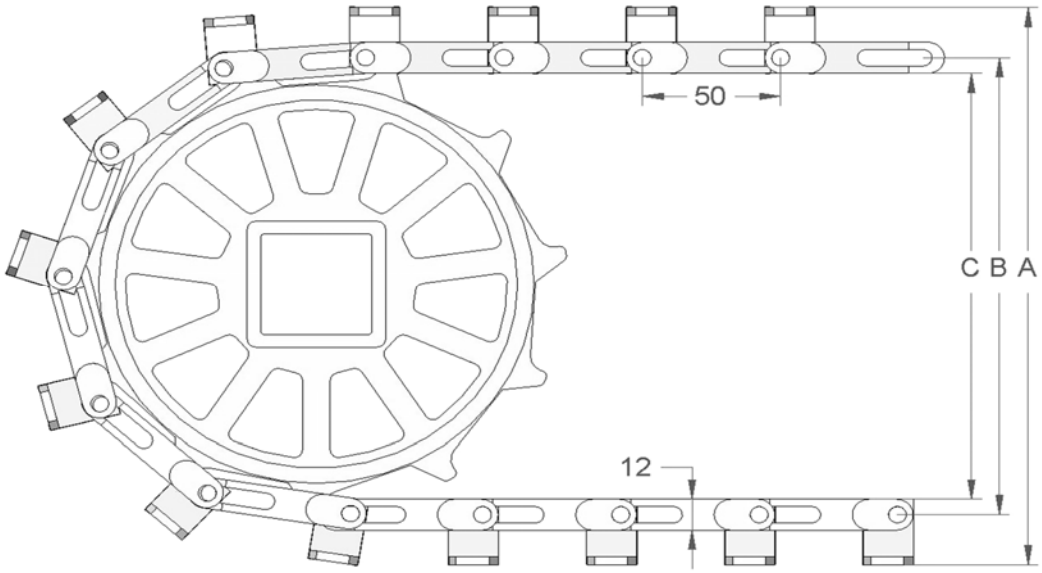
S.250



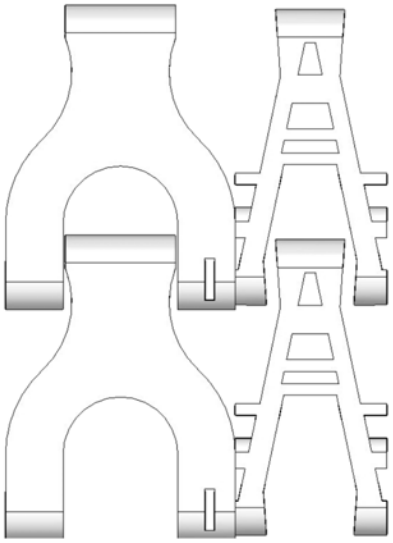
Belt Data		
Materials	Max. belt pull Lb	Belt weight lb/square foot
Polyacetal (POM) Polypropylene (PP)	550 310	1.84 1.54

Belt surface:	Smooth.
Open area:	67 %
Strength:	The right belt for heavy transportation.
Material/colour:	POM, PP
Cleanability:	Good
Accessories:	3 mm (.12) flight buds made in friction material or POM/PP. 25 mm (.98) side guards. Steel reinforcements.
Application:	Spiral coolers, radius conveyors.
Construction:	43 mm (1.69) side modules, 200 mm (7.87) centre modules.
Width interval:	Normally 33 mm (1.30). E.g: 119 (4.69), 152 mm (5.98) Contact Sparks Belting for special widths
Food approved	

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	189 (7.44)	177 (6.97)	166 (6.54)	22 (.87)	30/40/45		40	
11 STEEL	189 (7.44)	177 (6.97)	166 (6.54)	22 (.87)	FLEX			



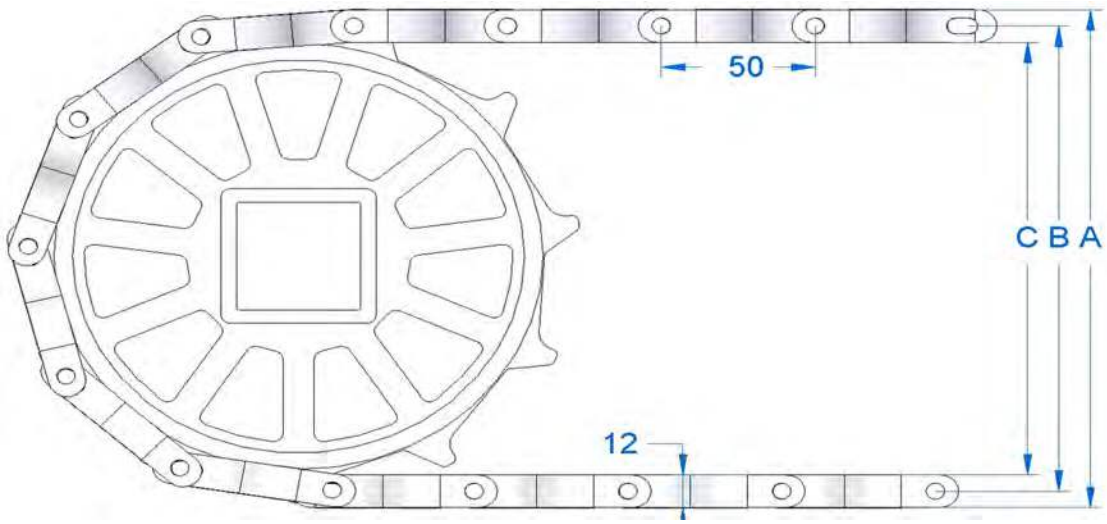
J.450



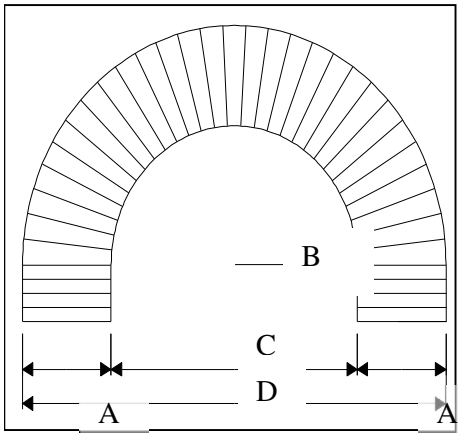
Belt Data		
Material	Max. belt pull Lb	Belt weight lb/square foot
Polyacetal (POM)	990	1.84
Polypropylene (PP)	440	1.54

Belt surface:	Smooth.
Open area:	67 %
Strength:	The right belt for heavy transportation.
Material/colour:	POM
Cleanability:	Good.
Accessories:	3 mm (.12) flight buds made in friction material or POM. 5 (.20) and 25 mm (.98) side guards.
Application:	Spiral coolers, radius conveyors. It only runs in J-curves.
Construction:	47/50 mm (1.85/1.97) side modules, 200 mm (7.87) centre modules.
Width interval:	Normally 33 mm (1.30). E.g: 95 (3.74), 128 (5.04) Contact Sparks Belting for special widths
Food approved	

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 (4.57)	104 (4.09)	92 (3.62)	22 (.87)	FLEX			
11	189 (7.44)	177 (6.97)	166 (6.54)	22 (.87)	30/40/45		40	
11 STEEL	189 (7.44)	177 (6.97)	166 (6.54)	22 (.87)	FLEX			



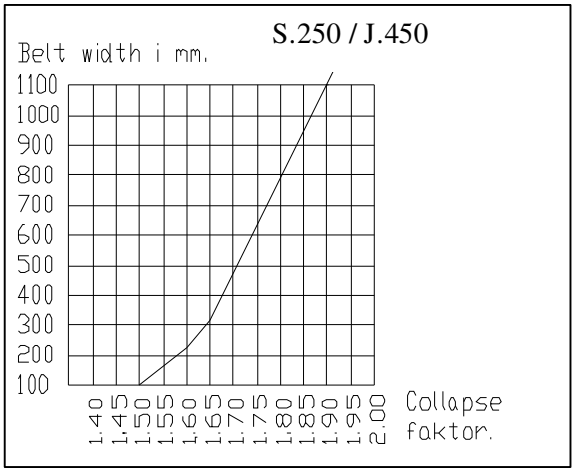
S.250 / J.450 50 mm (1.97). Radius belt dimensions.



	S-250									
A	**7.32**	**11.34**	**15.28**	**19.29**	**23.23**	**27.36**	**31.30**	**35.24**	**39.17**	**43.11**
B	10.51	16.89	23.39	30.28	37.40	45.28	52.99	61.06	69.49	78.27
C	21.02	33.78	46.77	60.55	74.80	90.55	105.98	122.13	138.98	156.54
D	35.67	56.46	77.32	99.13	121.26	145.28	168.58	192.60	217.32	242.76
	J-450									
A	**3.74**	**7.68**	**11.65**	**15.59**	**19.61**	**23.62**	**27.60**	**31.57**	**35.55**	**39.49**
B	5.24	11.14	17.48	24.17	31.38	37.80	45.55	53.70	61.50	69.88
C	10.47	22.28	34.96	48.35	62.76	75.59	91.10	107.40	122.99	139.76
D	17.95	37.64	58.27	79.53	101.97	122.83	146.30	170.55	194.09	218.74

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

Standard width – Radius belt	
S-250	**J-450**
-	**3.74**
4.69	5.04
5.98	6.38
7.32	**7.68**
8.62	9.02
9.92	10.31
11.34	**11.65**
12.64	12.95
13.94	14.25
15.28	**15.59**
16.57	16.89
17.87	18.19
19.29	**19.61**
20.59	20.94
21.89	22.28
23.23	**23.62**
25.83	24.92
27.36	26.26
28.66	**27.60**
29.96	28.90
31.30	30.24
32.60	**31.57**
33.90	32.87
35.24	34.21
39.17	**35.55**
43.11	**39.49**
47.05	**43.43**
50.98	**47.36**
54.92	**51.30**
	55.24



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

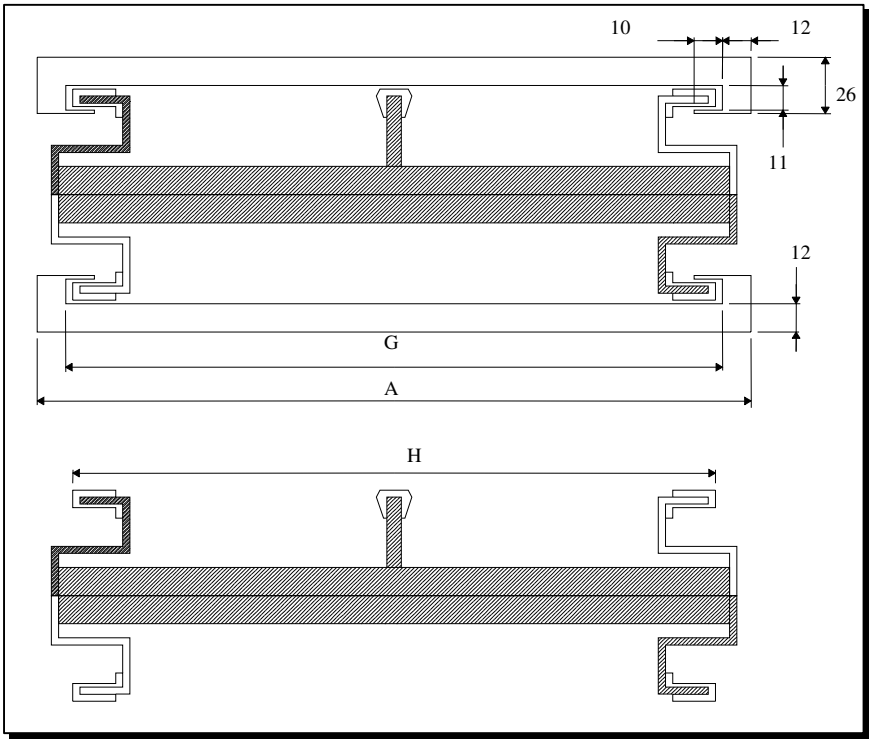
Min. inner radius = collapse factor x belt width

Note: Belts width steel reinforcements
S.250: + 5 mm (.197“)

Frame measurements for Radius belt

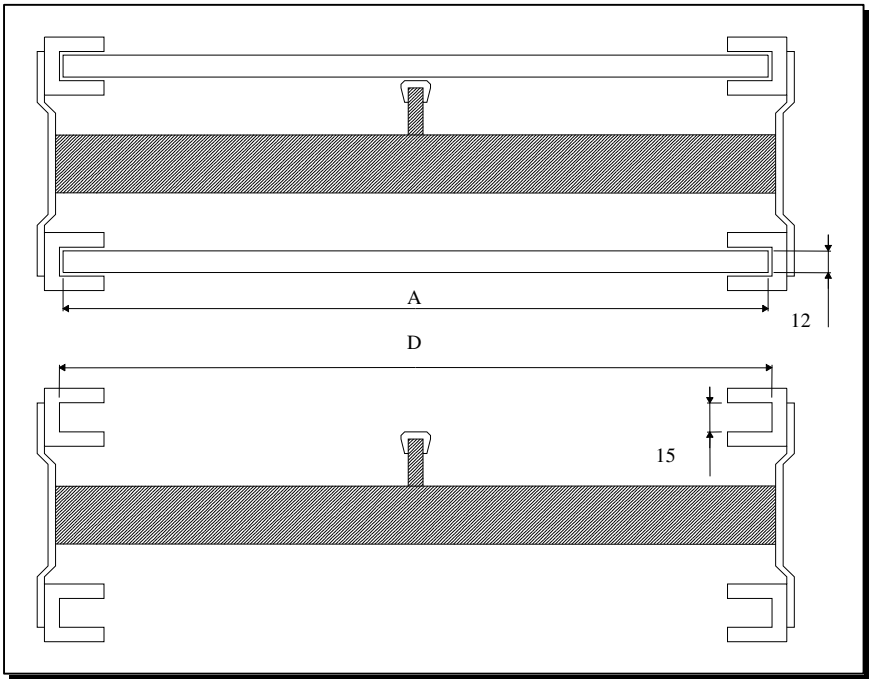
Frame measurements for Radius belt S-250

Measurements in mm.
A = belt width G = A – 24 mm (.94”) H = A – 28 mm (1.10”)



Frame measurements for Radius belt S-100 / J-450

Measurements in mm.
A = belt width B = A + 4 mm (.16”)



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.

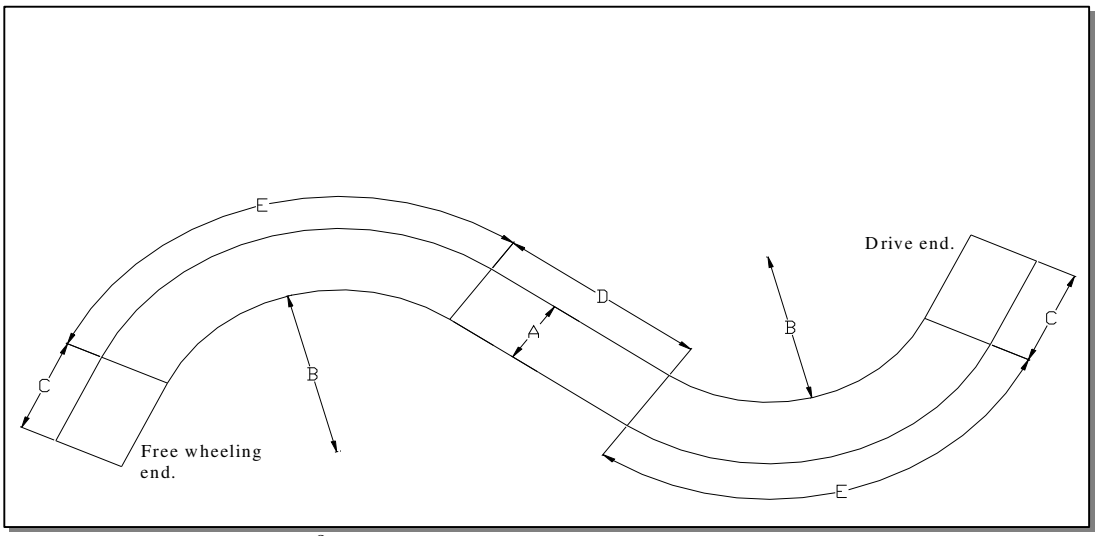
5. Tightening.

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

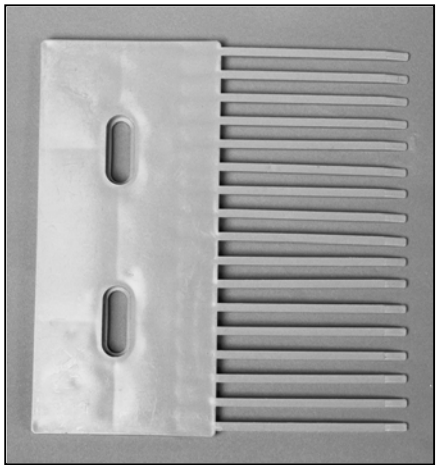
Belt width 16.57" – 2 pcs. 90° turning radius.
Collapse factor = 1.6

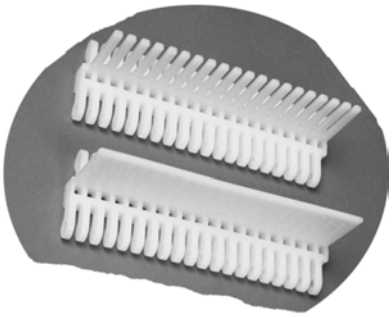
B = 16.57 (A) x 1.6	=	26.512"
C min.	=	16.57"
D min.	=	33.14"
E $\frac{[(B + A) \times 3.14]}{4}$	=	33.82"

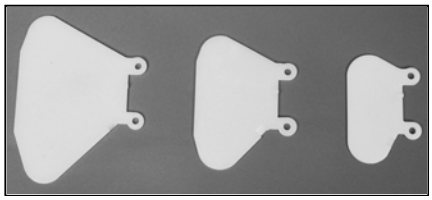
Belt length-[C/C] (2 x C)+D+(2 x E) = 134"

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

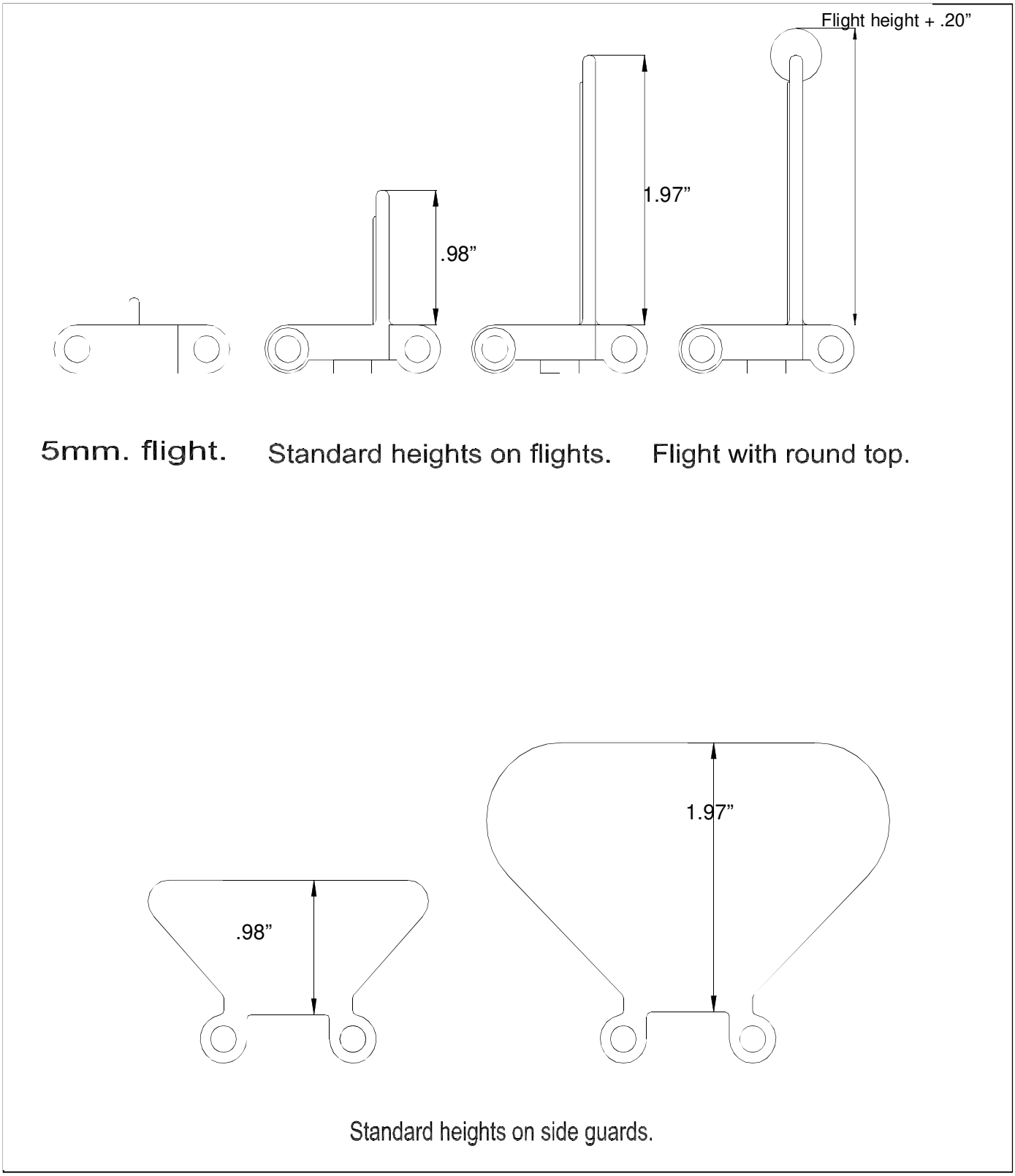
8. Accessories



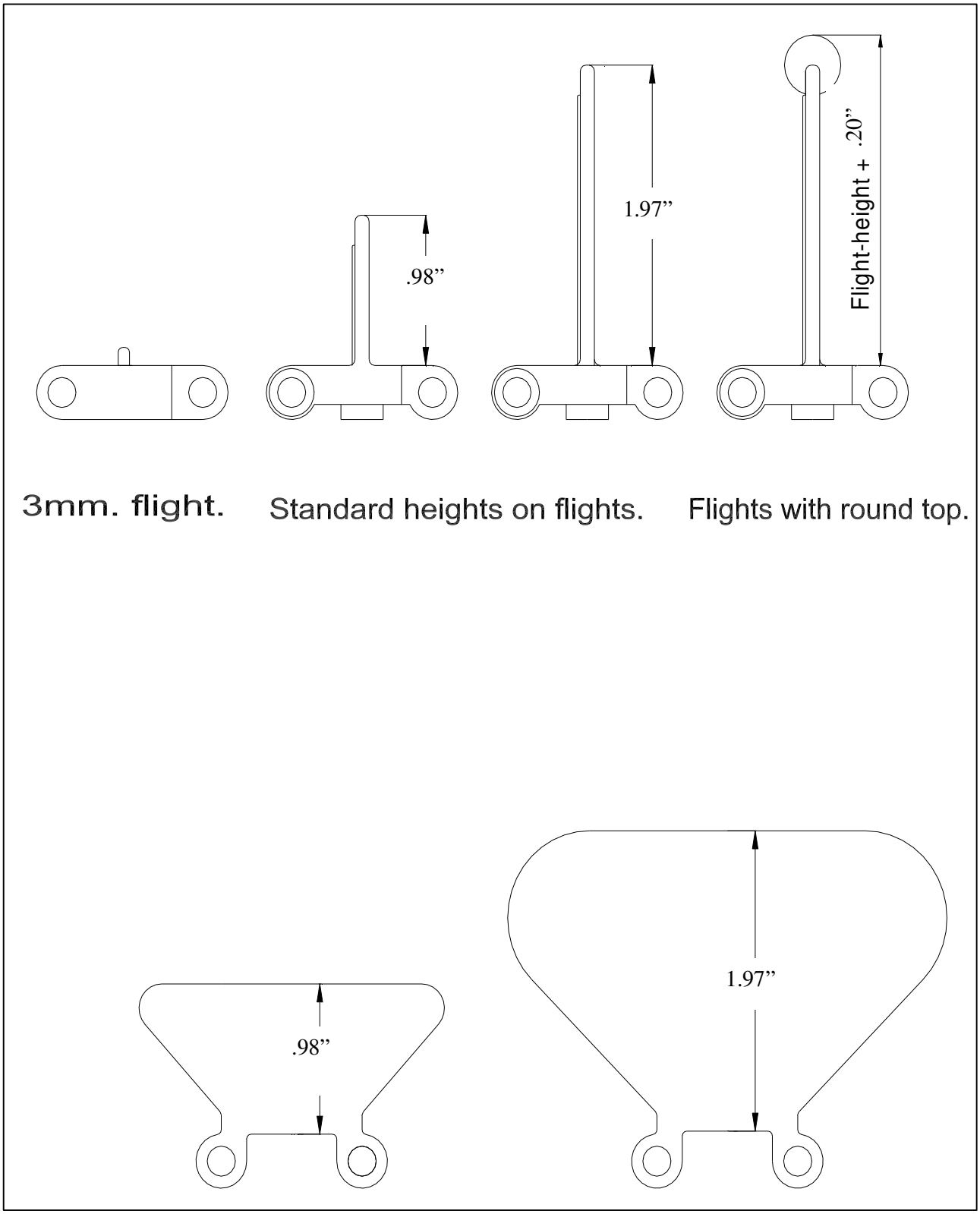




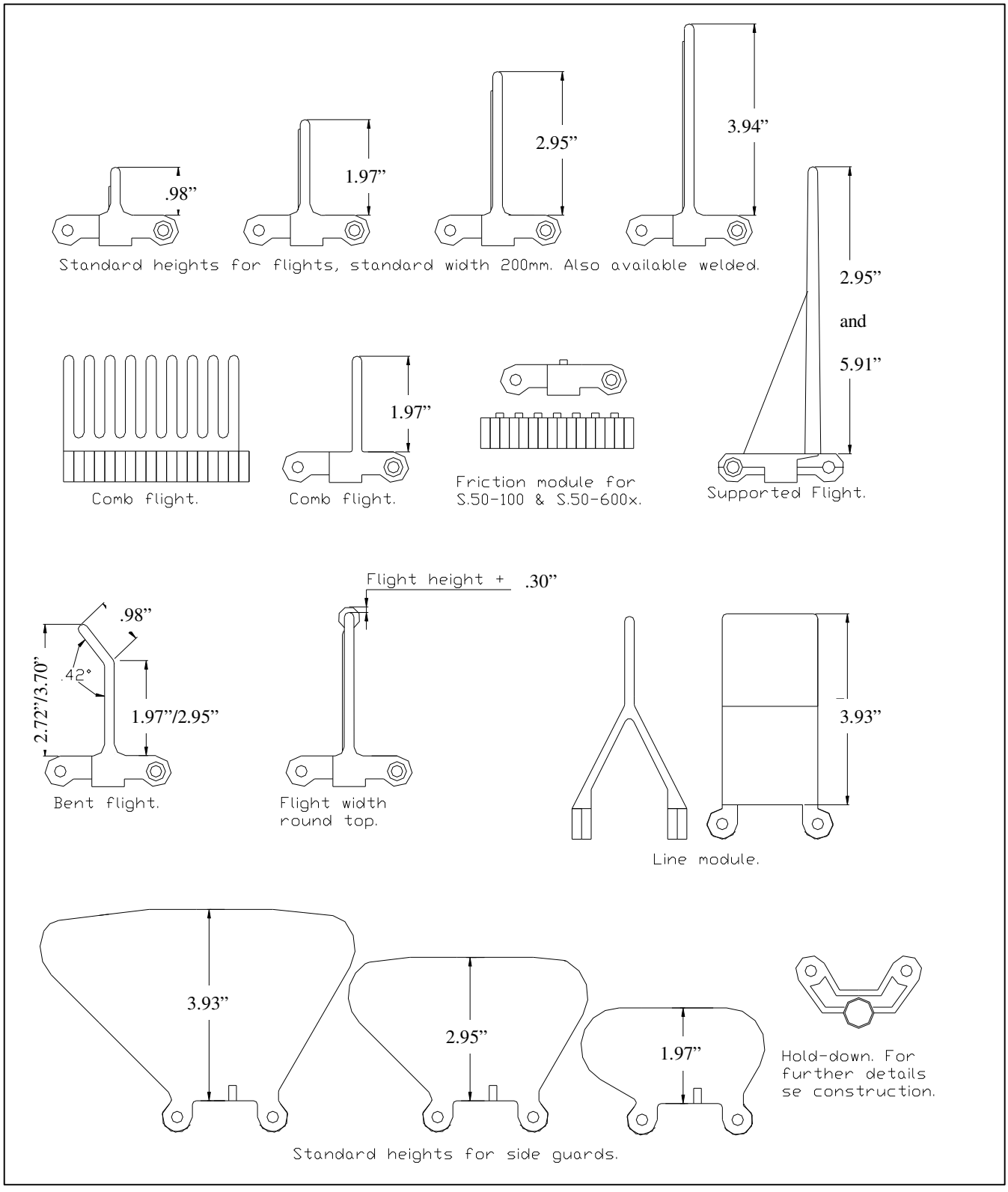
Accessories S.25-100-600-700



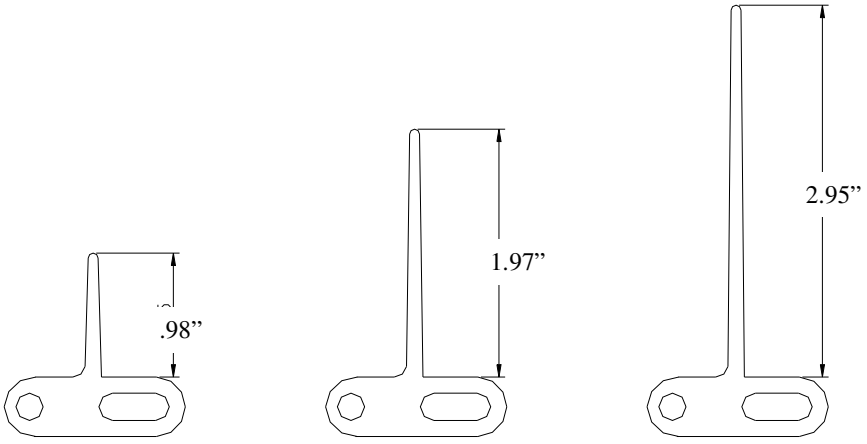
Accessories S.25-400-408-800



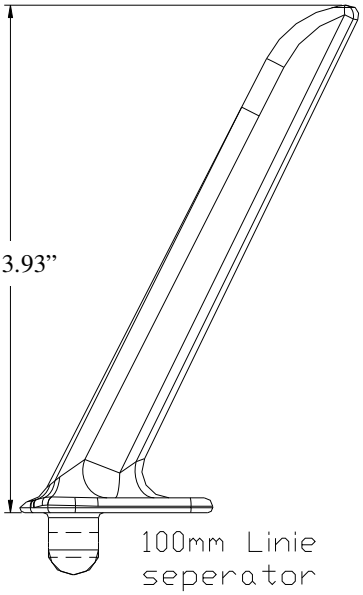
Accessories S.50



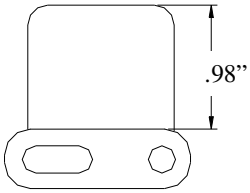
Accessories radius belt S.25



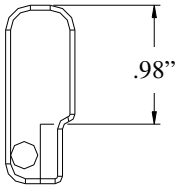
Standard hights onflights



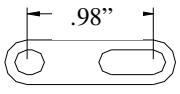
100mm Linie seperator



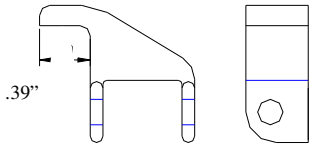
Standard hights on side guard



25mm Linie seperator



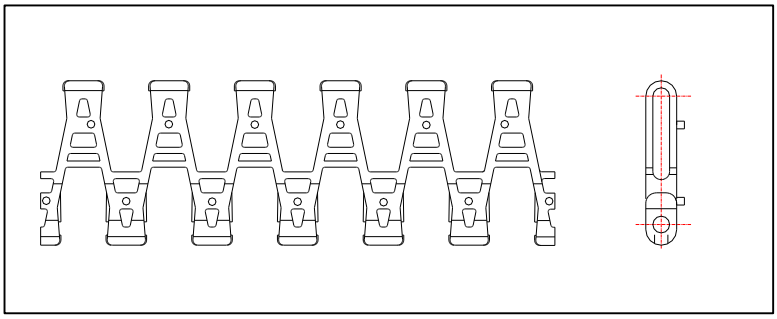
Steel reinforcement



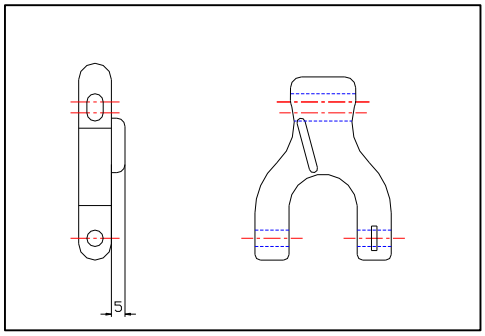
Holddown

Accessories radius belt S.50

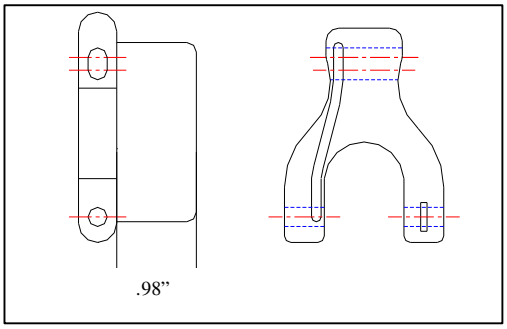
3 mm flight made in friction material or POM/PP/friction.



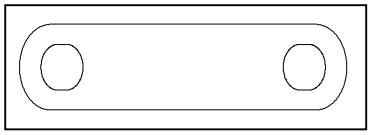
.20” side guard J-450



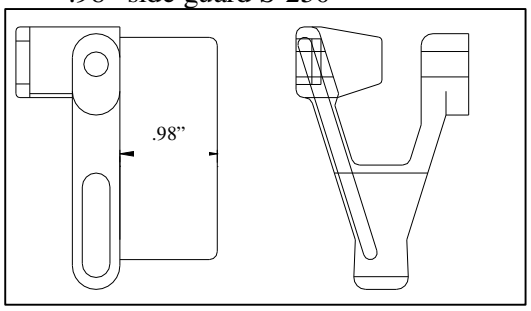
.98” side guard J-450



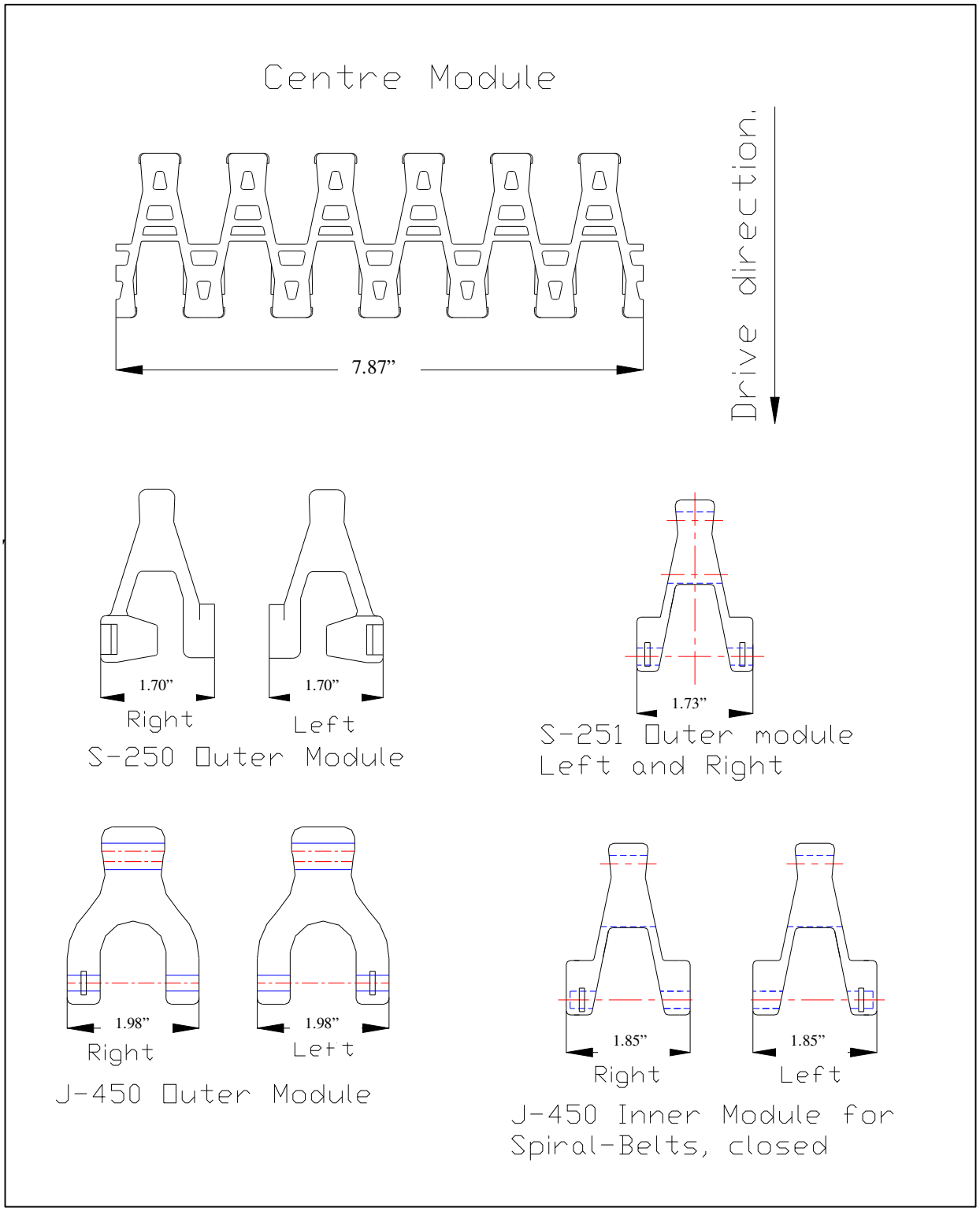
Steel reinforcement S-250



.98” side guard S-250

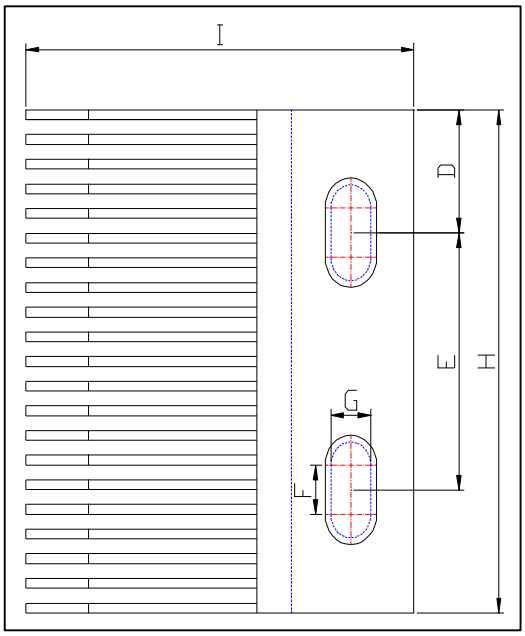


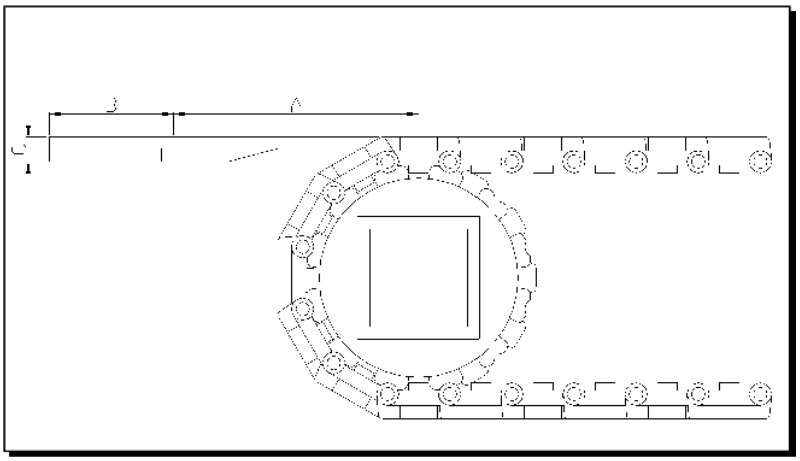
Spare parts for radius belts



Finger transfer plates

Dimensions in mm.			
	S. 25-200	S. 25-420	S. 50
A	86 (3.39)	75 (2.95)	98 (3.86)
B	32 (1.26)	18 (.71)	50 (1.97)
C	10 (.39)	5 (.20)	10 (.39)
D	57 (2.24)	25 (.98)	57 (2.24)
E	87 (3.43)	52 (2.05)	87 (3.43)
F	31 (1.22)		31 (1.22)
G	9,5 (.37)	9,5 (.37)	9,5 (.37)
H	200 (7.87)	102 (4.02)	200 (7.87)
I	188 (7.40)	92 (3.62)	280 (11.02)



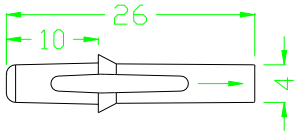


Accessories. Clips – straight belt

underlined + highlighted= Belt will as standard be closed with clips

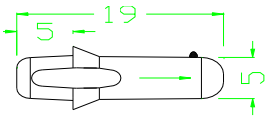
S.12

Accessories S.12.S.12-400/**406/408** -12400LNY4
Rod length = belt width -58 mm
Except PP belts over 499 mm wide -64 mm

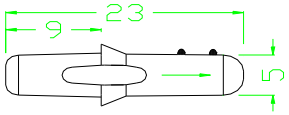


S.25

S.25-**100/200**/400/400F/402/**406/408**/411/**412/420/600/700/702** - 25100LNY4
Rod length = belt width -44 mm
Except PP belts over 499 mm wide -50 mm



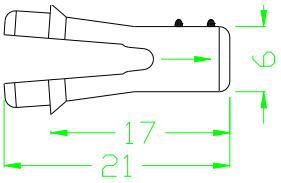
S.25-**800/806/830/836** -25800LNY4
Rod length = belt width -52 mm
Except PP belts over 499 mm wide -58 mm



S.50

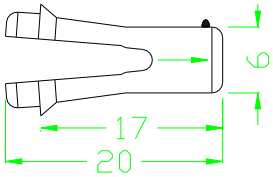
S.50-100/200/300/600/601/602/606/608/610/630 - 50100LNY4
Rod length = belt width -48 mm
Except PP belts over 499 mm wide -54 mm

Marked by two dots



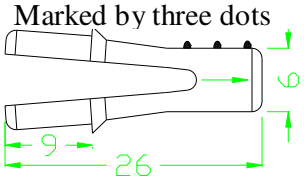
S.50-**401** - 50401LNY4
Rod length = belt width -58 mm
Except PP belts over 499 mm wide -64 mm

Marked by one dot

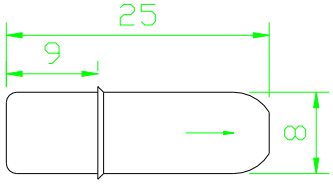


S.50-**801/806/808/830** - 50808LNY4
Rod length = belt width -58 mm
Except PP belts over 499 mm wide -64 mm

Marked by three dots



S.50-**906/908/930/938** - 50900LNY4
Rod length = belt width -56 mm
Except PP belts over 499 mm wide -62 mm

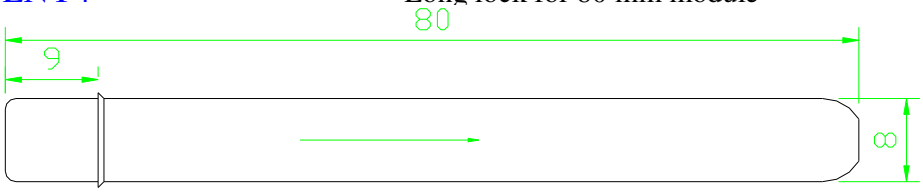


Accessories. Clips – straight belt

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

S.50

S.50-**<u>988</u>** - 50988LNY4 Long lock for 80 mm module



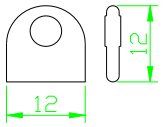
Accessories. Clips – Radius belt

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

S.25 Radius belt <u>S.100R -</u> 2L000M0 Great end lock

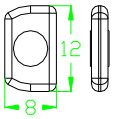
Rod length = belt width -14 mm

<u>S.100C</u> Rod length = belt width -12 mm



<u>S.101 -</u> 2L001M0 Small end lock

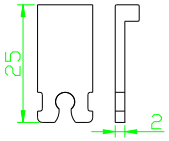
Rod length = belt width 12 mm



S.50 Radius belt

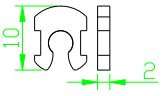
S.**<u>250/175</u>** - 5K000M0

Length = belt width -6 mm



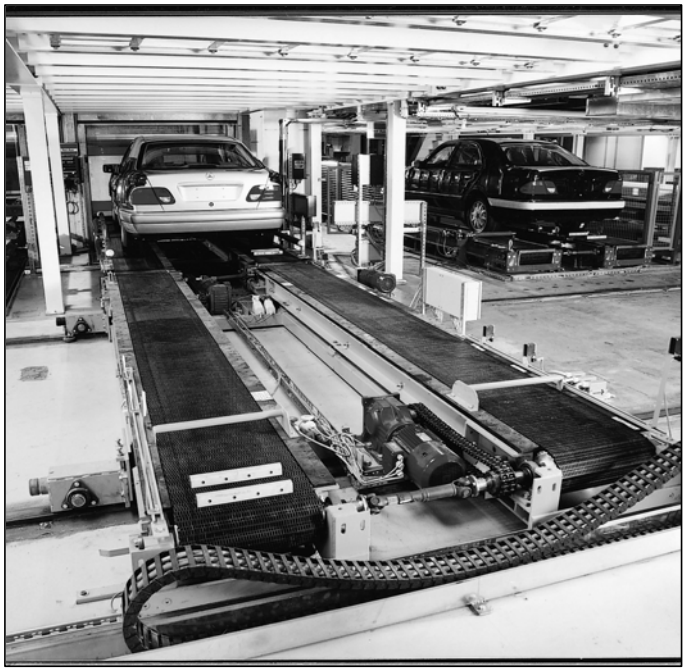
S.251/350/450 5S000M0

Length = belt width -46 mm



9. Construction and Installation Instruction

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



Construction (A)

Construction of conveyors using Dura-Lock modular belts

The construction and assembly of conveyor systems using Dura Lock 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 19.69" have a tolerance of ± 1/8" and belt widths over 19.69" have a tolerance of ± ¼".

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

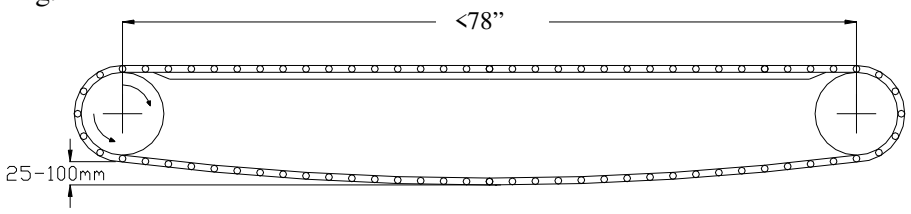


Fig. 2

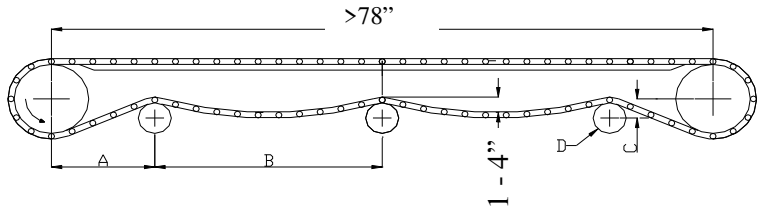
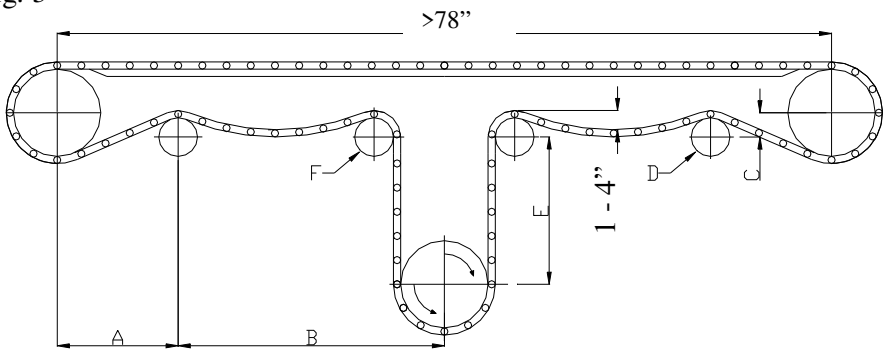


Fig. 3



A = 8” – 12”
B = Min. 40” - max.10% of the centre distance.
C = 0 – 2“
D = S. 12 min. Ø .75“ - S. 25 min. Ø 2“ - S. 50 min. Ø 4”
E = S. 12 min. 2“ - S. 25 min. 3“ - S. 50 min. 6”
F = S. 12 min. Ø .75” - S. 25 min. Ø 4”- S. 50 min. Ø 6”

Construction examples (B)

Construction of conveyors using Dura-Lock 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 (mm)

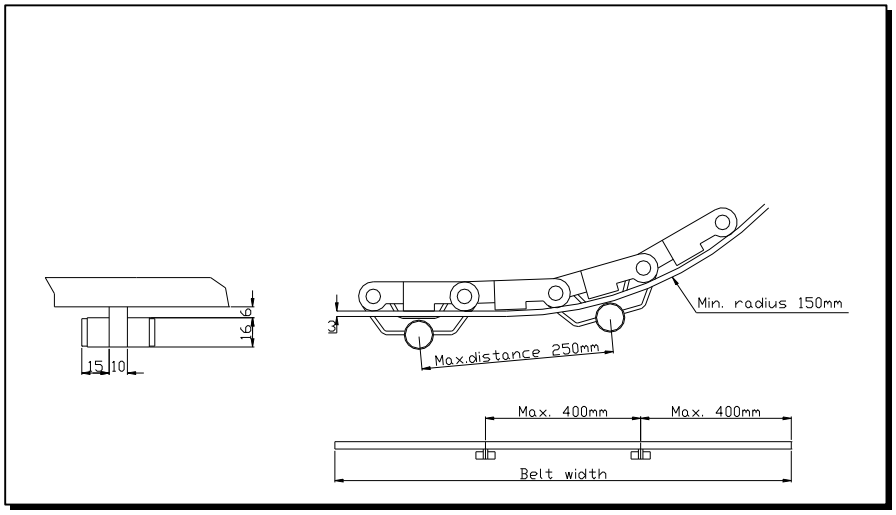


Fig. 1

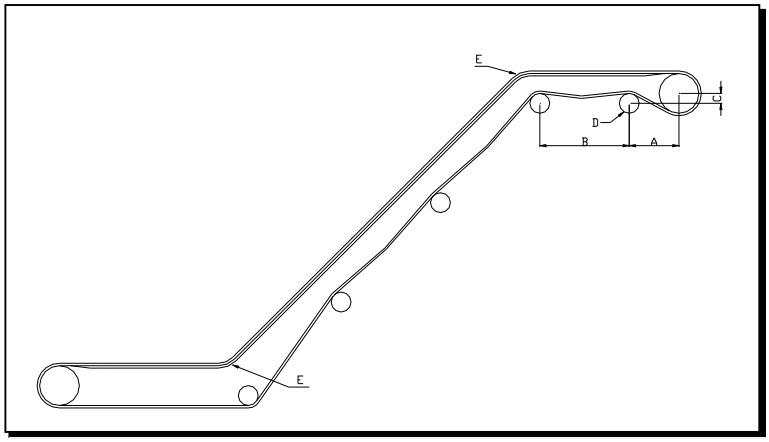
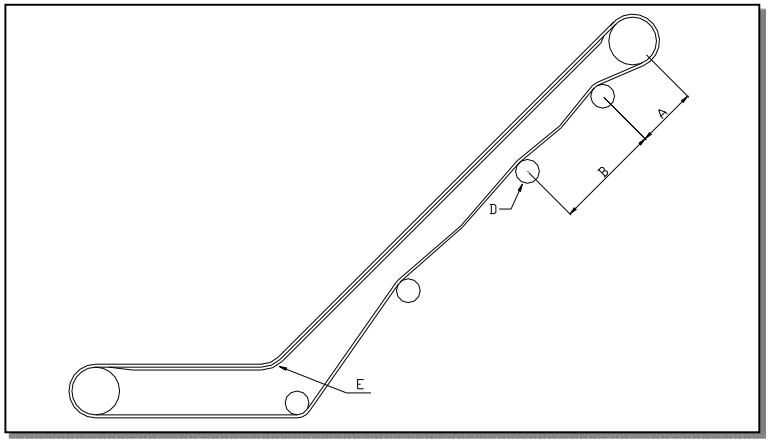


Fig. 2



A = 7.87” – 11.81”
B = Minimum 40” – max 10% of the center distance.
C = 0 – 2”
D = S.25 minimum diameter = 2”. S.50 minimum diameter = 4”
E = Minimum radius = 6”

Sprockets						
Nominal belt width	Standard load			Heavy load		
inch	Series 12	Series 25	Series 50	Series 12	Series 25	Series 50
1.97	2	1	1	2	1	1
3.94	3	2	2	3	2	2
5.91	3	2	2	4	3	2
7.87	3	3	2	5	4	3
9.84	5	3	3	7	5	3
11.81	5	4	3	8	6	4
13.78	7	5	4	9	7	5
15.75	7	6	4	10	8	6
17.72	9	6	5	12	9	6
19.69	11	7	5	13	10	7
23.62	13	8	6	15	12	8
27.56	15	10	8	19	15	10
31.5	17	11	8	20	16	11
35.43	19	12	9	23	18	12
39.37	21	14	10	25	20	14
47.24	25	16	12	30	24	16
59.06	31	20	15	38	30	20
70.87	37	24	18	45	36	24
82.68	45	28	21	53	42	28
94.49	49	32	24	60	48	32
118.11	60	40	30	75	60	40
141.73	72	48	36	90	72	48
157.48	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
	2"	3"	4"	1.5"	2"	3"

Belt support						
Nominal belt width	Series 12		Series 25		Series 50	
inch	carry way	return way	carry way	return way	carry way	return way
1.97	2	2	2	2	2	2
3.94	2	2	2	2	2	2
5.91	2	2	2	2	2	2
7.87	3	2	3	2	2	2
9.84	3	2	3	2	3	2
11.81	3	2	3	2	3	2
13.78	4	3	4	3	3	3
15.75	4	3	4	3	3	3
17.72	4	3	4	3	3	3
19.69	5	3	5	3	4	3
23.62	5	3	5	3	4	3
27.56	6	4	6	4	5	4
31.5	7	4	7	4	5	4
35.43	7	4	7	4	5	4
39.37	8	5	8	5	6	5
47.24	9	5	9	5	7	5
59.06	11	6	11	6	8	6
70.87	13	7	13	7	9	7
82.68	15	8	15	8	11	8
94.49	17	9	17	9	12	9
118.11	21	11	21	11	15	11
141.73	25	13	25	13	17	13
157.48	29	15	29	15	19	15
For other widths	Max. distance 3"	Max. distance 12"	Max. distance 3"	Max. distance 12"	Max. distance 9"	Max. distance 12"
When distance between shafts is more than 12', a roller is recommended on the return way.						

Thermal expansion / contraction (C)

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 Dura Lock conveyor belt.

Material		Expansion/contraction in/ft/°F
Belt:		
Polypropylene	**PP**	0.0008
Polyethylene	**PE**	0.0015
Polyacetal	**POM**	0.0006
Wear strip:		
U and V profile	**PEHD**	0.0009
Frame material:		
Aluminium		0.00014
Stainless steel		0.00007

Formula:

E = L x (T2 - T1) x K
C = L x (T2 - T1) x K
E = Expansion (in)
C = Contraction (in)
L = Length/width of belt (ft)
T1 = Normal temperature (70°F)
T2 = Working temperature
K = Coefficient

Example:

55’ long, 53” wide, PP. Normal temp. 70° Working temp. 185 °F.

Length:
E = 55 x (185-70) x 0.0008
E = 5.06“

Width:
E = 4.42 x (185 - 70) x 0.0008
E = .406”

SERVICE FACTOR (SF)	
Unloaded starts & load applied gradually	1.0
Frequent starts under load, more than 1/hr.	+ 0.2
Belt speed greater than 100ft/min.	+ 0.2
Elevating conveyors	+ 0.4
Pusher conveyors	+ 0.2
SF total	

All friction 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 Sparks Belting.

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 Sparks Belting						x = Not recommended over 50 ft/min.			

*Note that the wear will increase with the belt speed. It should be expected to be extensive for speeds greater than 50 ft/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 (D)

Polyethylene:

Thermal plastic with a weight mass of approx 0.92. grams/cm³.
Suitable for use in cold areas.
Temperature range from -100°F to + 151°F.
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 -4°F to + 176°F.
High chemical resistance.
FDA approved.
Same characteristics as Polyethylene, with a 30% larger tensile strength as well as a reduced impact strength.

Polypropylene:

Thermal plastic with a weight mass of approx. 0.92 grams/cm³.
Suitable for use in higher temperature areas.
Temperature range from +41°F to +212°F.
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 +41°F to +248°F.
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 -4°F to +266°F.
High chemical resistance.
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 +41°F to +212°F.
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 -45°F to + 203°F.
Has a limited resistance to certain chemicals. If in doubt, please contact Sparks Belting.
FDA approved.
Consistently stable material with a high tensile strength and high wear resistance.
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 -45°F to +203°F.
Not FDA approved
Other characteristics, are the same as polyacetal.

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 -49°F to +230°F.
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 / cm³.
Suitable for use in both warm and cold areas.
Temperature range from -49°F to +302°F.
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/cm³.
Suitable for use where electrical diversion is required.
Temperature range from -49°F to +230°F.
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/cm³.
Suitable for use in fire hazard areas, as in microwave ovens and the like.
Temperature range from +41°F to +248°F.
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/cm³.
Suitable for use in both warm and cold areas.
Temperature range from -13°F to +176°F.
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 (E)

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 68°F, 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 Chemical	%	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 Chemical	%	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 Chemical	%	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 Chemical	%	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 (F)

Installation and maintenance instructions for Dura-Lock conveyor belts

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

Sprockets:

1. Dura Lock 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 1/32" – 1/16").

B - Round shaft with key way (ANSI / DIN 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.
- Retainer rings are not supplied for sprockets with round shaft. The sprockets can be fixed in position by making a threaded hole in the hub above the keyway.

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 Sparks Belting.)

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 (page78).

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 Dura Lock belt, 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. 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 1/32" – 1/16" from the belt's outer edge. Soldering/plugging can be carried out with a soldering iron. 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 Sparks Belting.
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 7.87", or other customized widths can be supplied by Sparks Belting 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 screw-driver, 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 Sparks Belting for a quotation. In the event of extensive damage, it may be more economical to buy a new belt.

Malfunction (G)

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 temperature is not too high.