# ScanBelt

MAKES THE WORLD GO AROUND


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# Technical information

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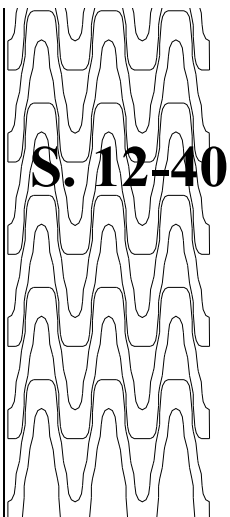
# 1. Belt S-12.

Pitch 12.5 mm

**S. 12-400**

| Belt data | | |
|---|---|---|
| Materials | Max. belt pull kg/m of width | Belt weight kg/m$^2$ |
| Polyethylene (PE) | 310 | 3.7 |
| Polypropylene (PP) | 420 | 3.7 |
| Polyacetal (POM) | 700 | 5.5 |

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| | |
|---|---|
| Belt surface: | Open belt with a smooth surface. |
| Open area: | 40%. Biggest opening 6 x 8 mm. |
| Strength: | Ideal choice for light transportation. |
| Material/colour: | PE/nat, PP/white and grey. POM/blue |
| Cleanability: | Excellent. FSIS |
| Accessories: | |
| Application: | Cooling belt for small nose bar. |
| Width interval: | 10 mm. e.g.: 100 mm, 110 mm, 120 mm etc |

**(1:1)**

| Sprocket data | | | |
|---|---|---|---|
| No. of teeth Z | A= Outside diameter mm | B= Pitch diameter mm | C= Inside diameter mm |
| 10 | 50 | 42 | 33 |
| 19 | 84 | 76 | 67 |
| 24 | 104 | 96 | 87 |
| 28 | 120 | 112 | 103 |

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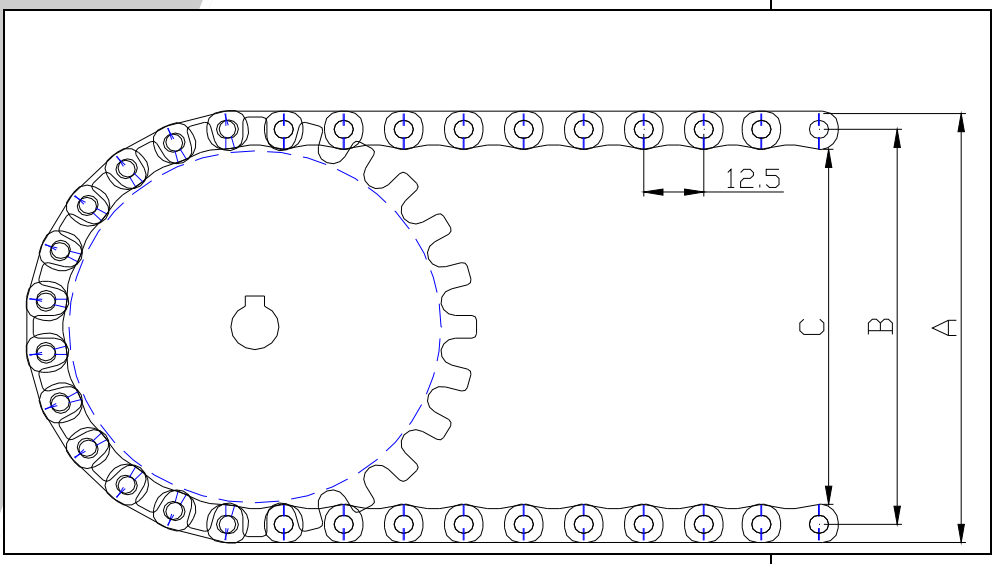
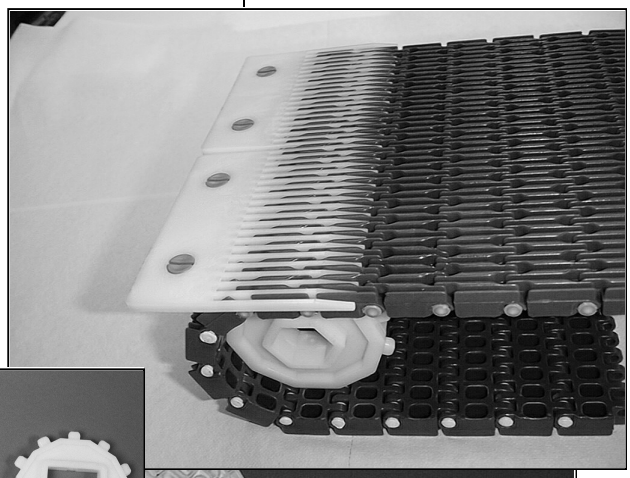
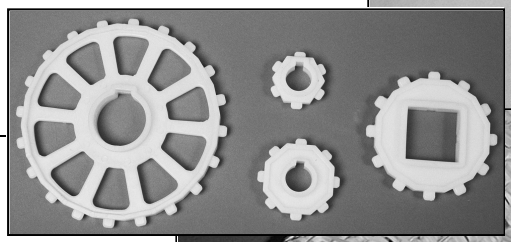
# 2. Belt S-25.

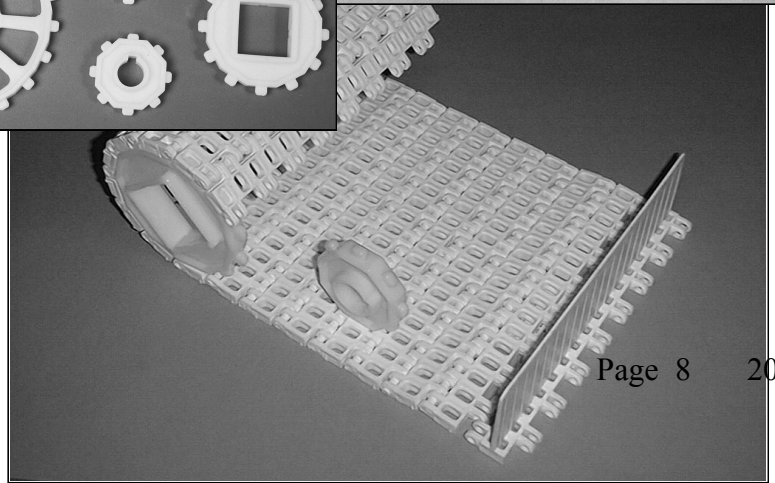
| Hub specifications | | | | |
|---|---|---|---|---|
| Hub width 16 mm | No. of teeth 10Z | 19Z | 24Z | 28Z |
| Round Bore mm. | ш10<br>ш20 | ш20<br>ш25<br>ш30<br>ш40 | ш20<br>ш25<br>ш30<br>ш40 | ш20<br>ш25<br>ш30<br>ш40 |
| Square Bore mm. | Pitch 25 mm. | | | 25x25<br>40x40 |

Billede side







# S. 100C

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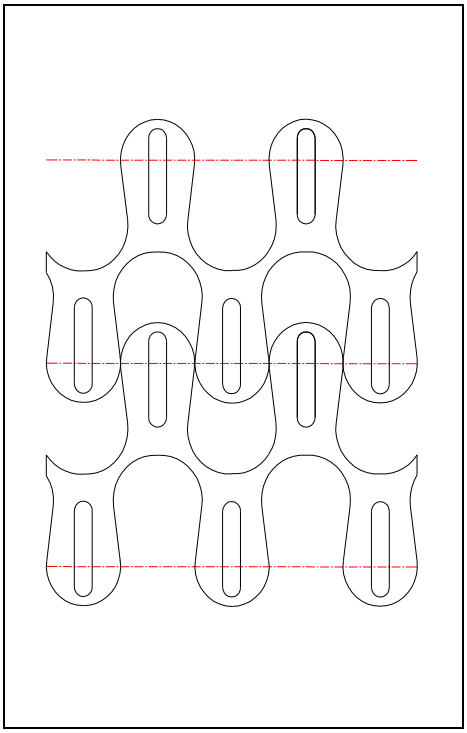
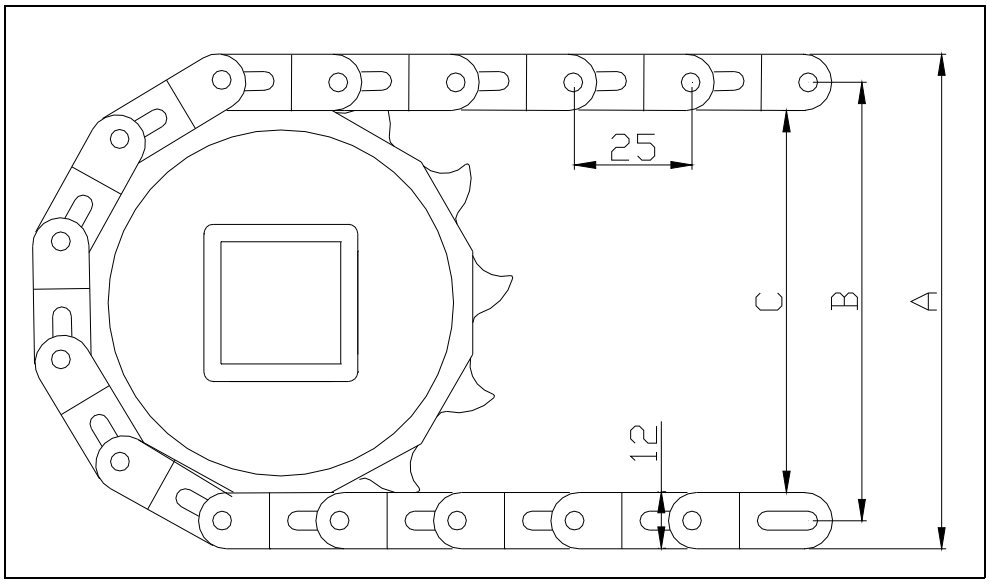


| Belt data | | | |
|---|---|---|---|
| Belt material | Max. belt pull Straight (kg) | Max. belt pull Curved (kg) | Belt weight kg/m$^2$ |
| Polypropylene (PP) | 950 | 60 | 4,5 |
| Polyacetal (POM) | 1350 | 90 | 7,0 |

| | |
|---|---|
| Belt surface: | Smooth |
| Open area: | 52% |
| Strength: | The ideal choice for light/medium weight. |
| Material/colour: | POM, PP |
| Cleanability: | Good. |
| Accessories: | 25, 50 and 75 mm flights. Friction modules. Hold-down / hooks. |
| Application: | Light radius conveyors and straight conveyors. |
| Construction: | Centre modules. |
| Width interval: | Normal 20 mm. e.g. 102 mm., 122 mm. |
| Inner radius: | Collapsfactor from 1,5<br>Contact Scanbelt |

| Sprocket data | | | | |
|---|---|---|---|---|
| No. of teeth Z | A=Outside diameter mm | B=Pitch diameter mm | C=Inside diameter mm | Bore mm |
| 8 | 78 | 66 | 54 | ш20 - ш25 - 25x25 - 24x24x24 hex |
| 12 | 108 | 96 | 84 | ш20 - ш25 - ш30 - ш40 - 25x25 - 38x38 - 40x40 |
| 20 | 173 | 161 | 149 | ш25 - ш30 - ш40 - 25x25 - 38x38 - 40x40 |



# S. 25-100

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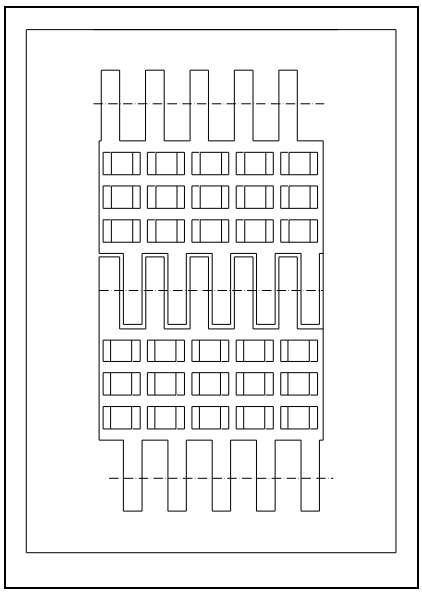


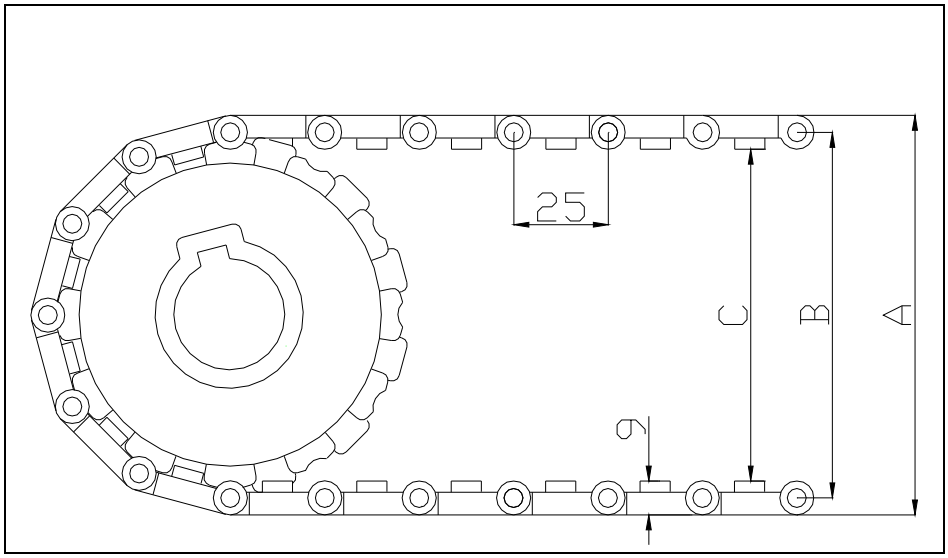
**(1:1)**

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

| | |
|---|---|
| Belt surface: | Open belt with a smooth surface. |
| Open area: | 20 %. Biggest opening 3 x 3 mm. |
| Strength: | Ideal choice for light transportation. |
| Material/colour: | PE/nat, PP/white and grey. POM/blue |
| Cleanability: | Good. |
| Accessories: | 5, 25 and 50 mm flights, 25 and 50 mm side guards. 25 and 50 mm friction flights. |
| Application: | Catering, dairy, snacks and seafood industry. |
| Width interval: | 6 mm. e.g.: 100 mm, 106 mm, 112 mm etc. |

| Sprocket data | | | |
|---|---|---|---|
| No. of teeth Z | A=Outside diameter mm | B= Pitch diameter mm | C= Inside diameter mm |
| 6 | 59 | 50 | 41 |
| 12 | 106 | 97 | 88 |
| 20 | 170 | 161 | 152 |

| Hub specifications | | | |
|---|---|---|---|
| Hub width 40 mm | No. of teeth 6Z | 12Z | 20Z |
| Square bore mm. | | 40x40 | 40x40<br>60x60 |
| Round bore mm. | ш20 | ш25<br>ш30<br>ш40 | ш25<br>ш30<br>ш40 |



# S. 25-200

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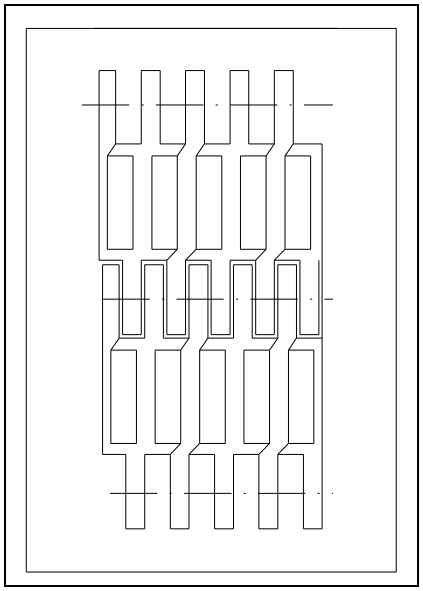


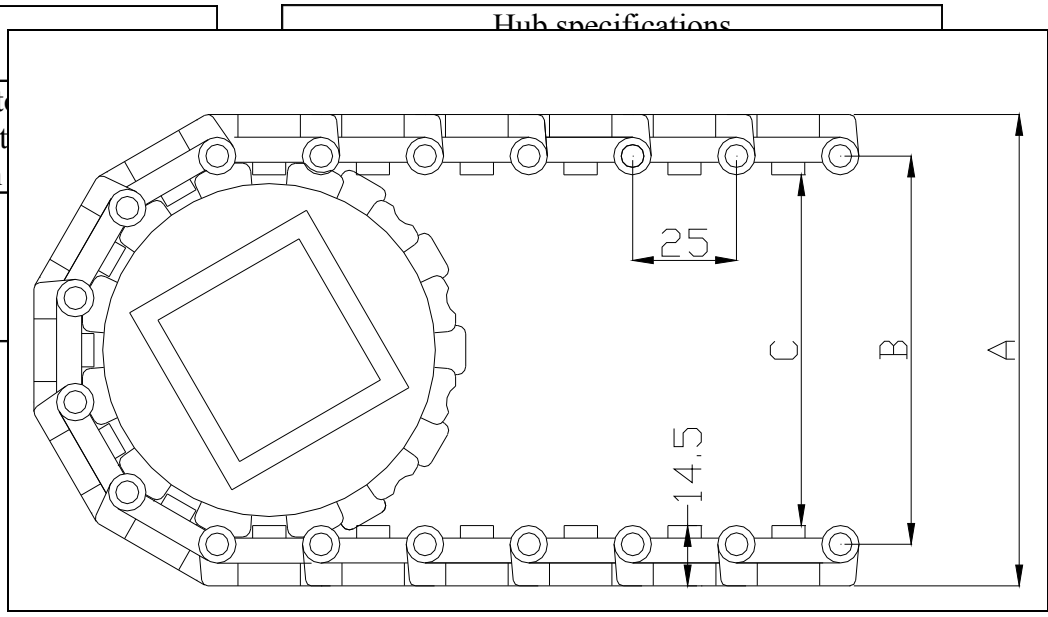
**(1:1)**

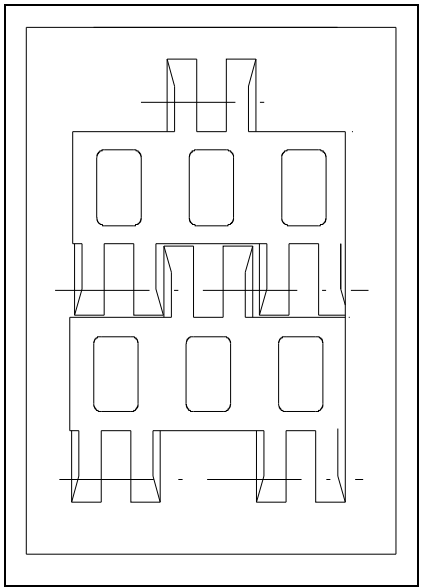
| Belt data | | |
|---|---|---|
| Materials | Max. belt pull kg/m of width | Belt weight kg/m$^2$ |
| Polyethylene (PE) | 540 | 5 |
| Polypropylene (PP) | 740 | 5 |
| Polyacetal (POM) | 1250 | 8 |

Belt surface: Raised ribs for the use of finger transfer plates.
Open area: 27 %. Biggest opening 3 x 12 mm.
Strength: An ideal choice for light transportation.
Material/colour: PE/nat, PP/white and grey. POM/blue.
Cleanability: Good.
Accessories: Finger transfer plates. Finger length = 95 mm.
Application: Bottling, canning and other industries.
Width interval: 12 mm. e.g.: 100 mm, 112 mm, 124 mm etc.

| Sprocket data | | |
|---|---|---|
| No. of teeth Z | A=Outside diameter mm | B= Pit diamet mm |
| 6 | 70 | 50 |
| 12 | 117 | 97 |
| 20 | 181 | 161 |

Hub specifications



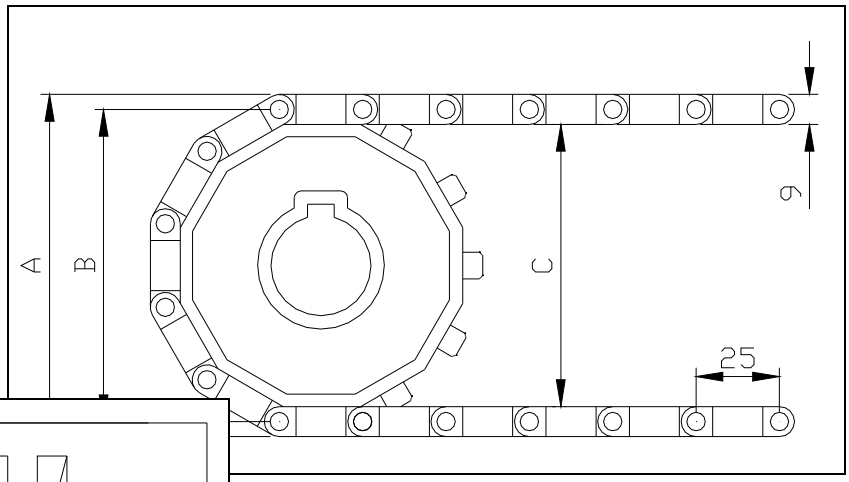
| Belt data | | |
|---|---|---|
| Materials | Max. belt pull kg/m of width | Belt weight kg/m$^2$ |
| Polyethylene (PE) | 630 | 6 |
| Polypropylene (PP) | 1060 | 6 |
| Polyacetal (POM) | 1500 | 8 |

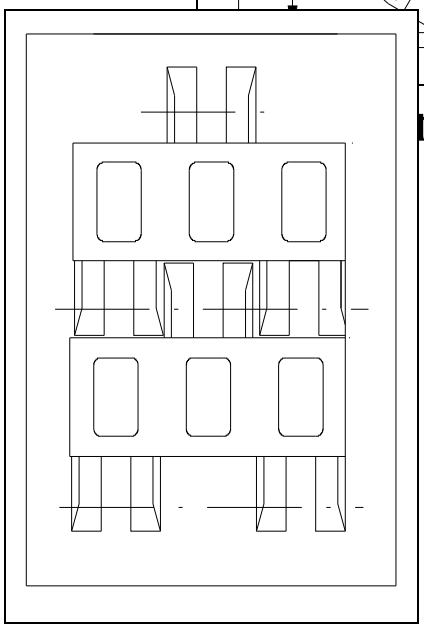
| | |
|---|---|
| Belt surface: | Open belt with a smooth surface. |
| Open area: | 29 %. Biggest opening 6 x 10 mm. |
| Strength: | Ideal for medium weight transportation.. |
| Material/colour: | PE/nat, PP/white and grey. POM/blue |
| Cleanability: | Excellent. FSIS |
| Accessories: | 3, 25 and 50 mm flights. 25 and 50 mm sideguards. The 3, 25 and 50 mm flights and standard modules can be supplied in a special highfriction material. |
| Application: | Seafood, red meat, vegetables, bakery and food industry in general. Even cooling/freezing and washing. |
| Width interval: | 12,5 mm. e.g.: 100 mm, 112,5 mm, 125 mm etc. |

**(1:1)**

| Sprocket data | | | |
|---|---|---|---|
| No. of teeth Z | A= Outside diameter mm | B= Pitch diameter mm | C= Inside diameter mm |
| 6 | 54 | 45 | 36 |
| 8 | 70 | 61 | 52 |
| 12 | 104 | 95 | 86 |
| 20 | 169 | 160 | 151 |

| Hub specifications | | | | |
|---|---|---|---|---|
| Hub width 20 mm | No. of teeth 6Z | 8Z | 12Z | 20Z |
| Square bore mm. | | 25x25 | 25x25<br>40x40 | 25x25<br>40x40<br>60x60 |
| Hexagon bore mm | 24x24x24 | | | |
| Round bore mm. | ш20 | ш20<br>ш25 | ш20<br>ш25<br>ш30<br>ш40 | ш25<br>ш30<br>ш40 |



# mponent

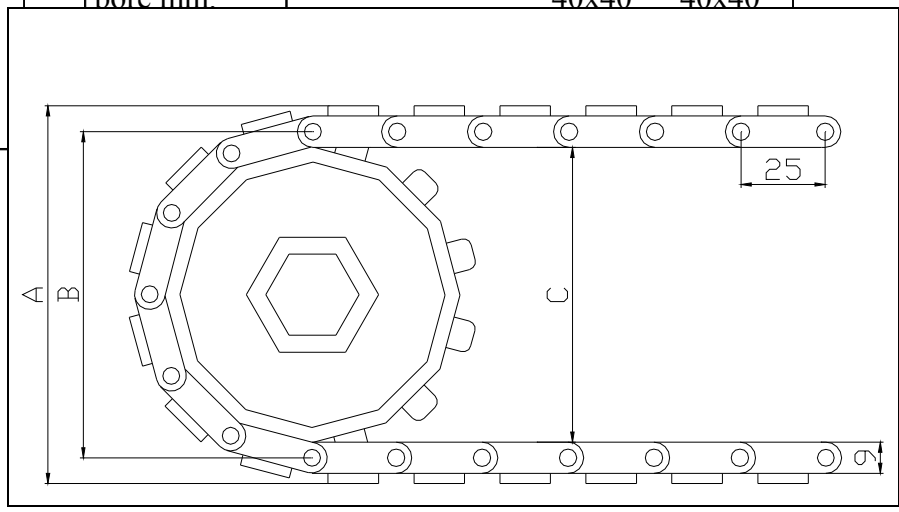
| Belt data | | |
|---|---|---|
| Materials | Max. belt pull kg/m of width | Belt weight kg/m$^2$ |
| Polyethylene (PE) | 630 | 7 |
| Polypropylene (PP) | 1060 | 7 |

| | |
|---|---|
| Belt surface: | Friction surface. |
| Open area: | 29 %. Biggest opening 6 x 10 mm. |
| Strength: | Ideal for medium weight transportation. |
| Material/colour: | PE/nat, PP/white and grey. |
| Cleanability: | Excellent. FSIS |
| Accessories: | 25 and 50 mm side guards. |
| Application: | Transport of packed goods on a slightly inclined conveyor. |
| Width interval: | 12,5 mm. e.g.: 100 mm, 112,5 mm, 125 mm etc. |

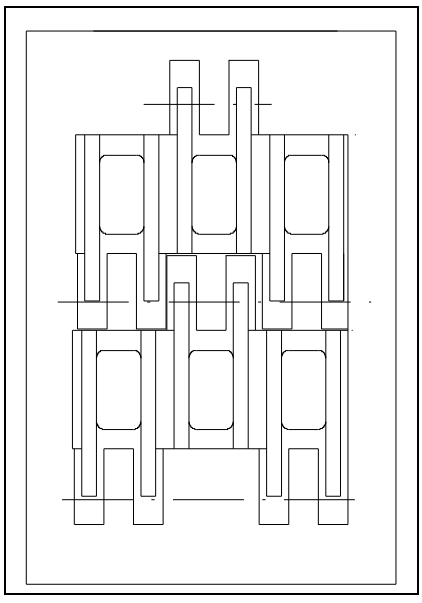
**(1:1)**

| Sprocket data | | | |
|---|---|---|---|
| No. of teeth Z | A= Outside diameter mm | B= Pitch diameter mm | C= Inside diameter mm |
| 6 | 58 | 45 | 36 |
| 8 | 74 | 61 | 52 |
| 12 | 108 | 95 | 86 |
| 20 | 173 | 160 | 151 |

| Hub specifications | | | | |
|---|---|---|---|---|
| Hub width 20 mm | No. of teeth 6Z | 8Z | 12Z | 20Z |
| Square bore mm. | | 25x25 | 25x25 40x40 | 25x25 40x40 |




# S. 25-402



| Belt data | | |
|---|---|---|
| Materials | Max. belt pull kg/m of width | Belt weight kg/m$^2$ |
| Polyethylene (PE) | 630 | 7 |
| Polypropylene (PP) | 1060 | 7 |
| Polyacetal (POM) | 1500 | 9 |

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

**(1:1)**

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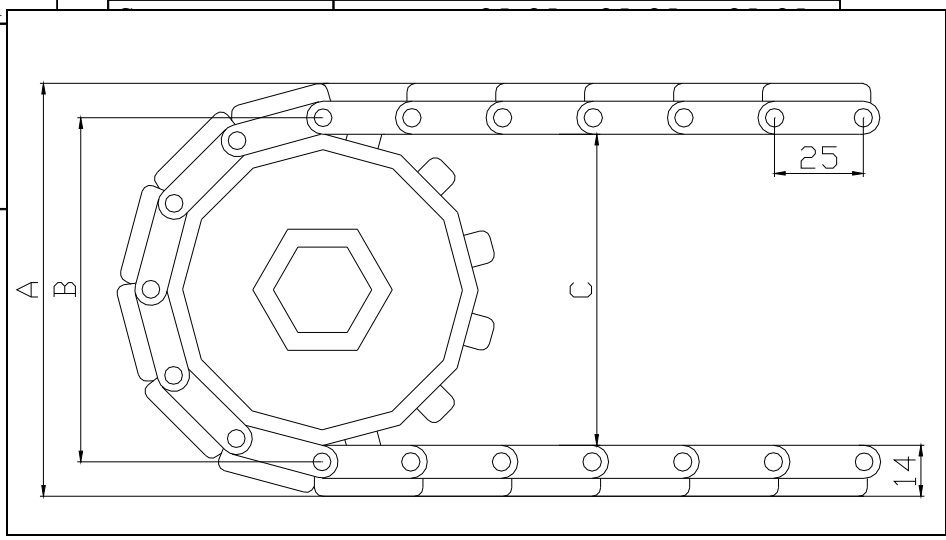
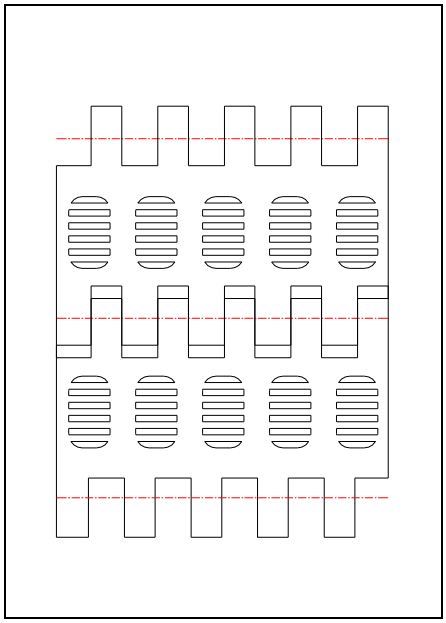
| Sprocket data | | | |
|---|---|---|---|
| No. of teeth Z | A= Outside diameter mm | B= Pitch diameter mm | C= Inside diameter mm |
| 6 | 61 | 45 | 36 |
| 8 | 78 | 61 | 52 |
| 12 | 112 | 95 | 86 |
| 20 | 177 | 160 | 151 |

| Hub specifications | | | | |
|---|---|---|---|---|
| Hub width 20 mm | No. of teeth 6Z | 8Z | 12Z | 20Z |




# S. 25-406

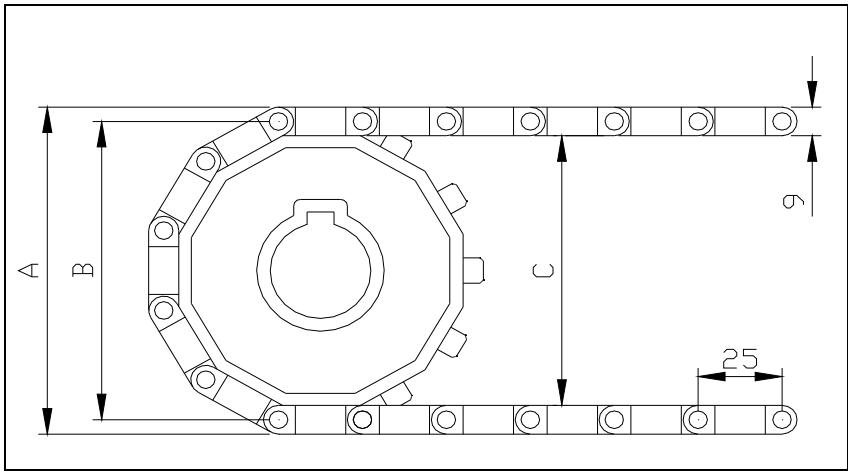


(1:1)

| Belt data | | |
|---|---|---|
| Materials | Max. belt pull kg/m of width | Belt weight kg/m$^2$ |
| Polyethylene (PE) | 630 | 6 |
| Polypropylene (PP) | 1060 | 6 |
| Polyacetal (POM) | 1500 | 8 |

| | |
|---|---|
| Belt surface: | Perforated flat top. |
| Open area: | 13 %. Biggest opening 1 x 6 mm. |
| Strength: | Ideal for medium weight transportation. |
| Material/colour: | PE/nat, PP/white and grey. POM/blue |
| Cleanability: | Good |
| Accessories: | 3, 25 and 50 mm flights, 25 and 50 mm side guards. 25 and 50 mm friction flights. |
| Application: | Dairy, vegetables, poultry, snacks, sweet goods and other industries that handle products requiring drainage and very small openings. |
| Width interval: | 10 mm. e.g.: 100 mm, 110 mm, 120 mm etc. |

| Sprocket data | | | |
|---|---|---|---|
| No. of teeth Z | A=Outside diameter mm | B= Pitch diameter mm | C= Inside diameter mm |
| 6 | 54 | 45 | 36 |
| 8 | 70 | 61 | 52 |
| 12 | 104 | 95 | 86 |
| 20 | 169 | 160 | 151 |



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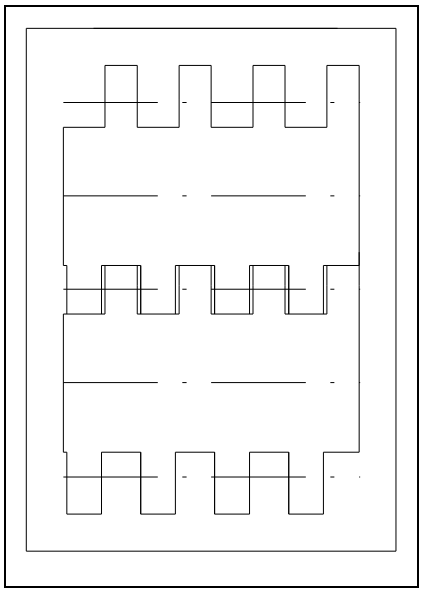


**(1:1)**

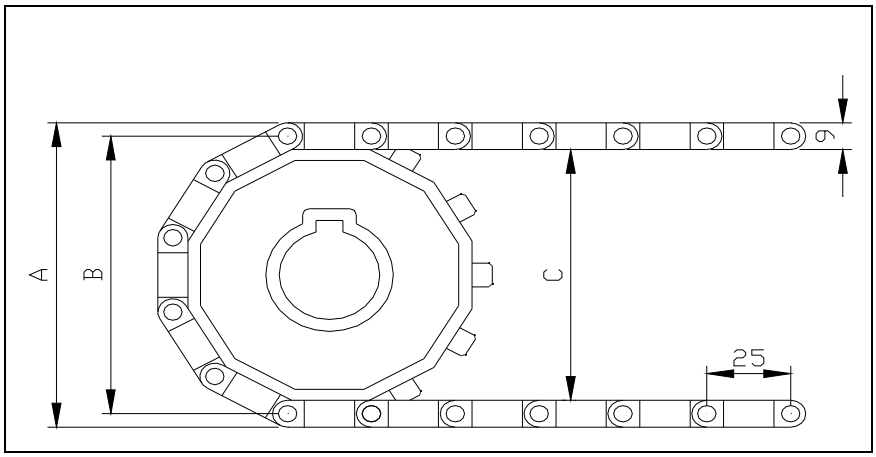
| Belt data | | |
|---|---|---|
| Materials | Max. belt pull kg/m of width | Belt weight kg/m$^2$ |
| Polyethylene (PE) | 800 | 6 |
| Polypropylene (PP) | 1200 | 6 |
| Polyacetal (POM) | 2000 | 8 |

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.
Accessories: 3, 25 and 50 mm flights, 25 and 50 mm side guards.

Application: Transport of small products such as machine components. Vulcanising belt for the rubber industry.
Width interval: 10 mm. e.g.: 100 mm, 110 mm, 120 mm etc.

| Sprocket data | | | |
|---|---|---|---|
| No. of teeth Z | A=Outside diameter mm | B= Pitch diameter mm | C= Inside diameter mm |
| 6 | 54 | 45 | 36 |
| 8 | 70 | 61 | 52 |
| 12 | 104 | 95 | 86 |
| 20 | 169 | 160 | 151 |

| Hub specifications | | | | |
|---|---|---|---|---|
| Hub width 20 mm | No. of teeth 6Z | 8Z | 12Z | 20Z |
| Square bore mm. | | 25x25 | 25x25<br>40x40 | 25x25<br>40x40<br>60x60 |
| Hexagon bore mm | 24x24x24 | | | |
| Round bore mm. | ш20 | ш20<br>ш25 | ш20<br>ш25<br>ш30<br>ш40 | ш25<br>ш30<br>ш40 |



# S. 25-411

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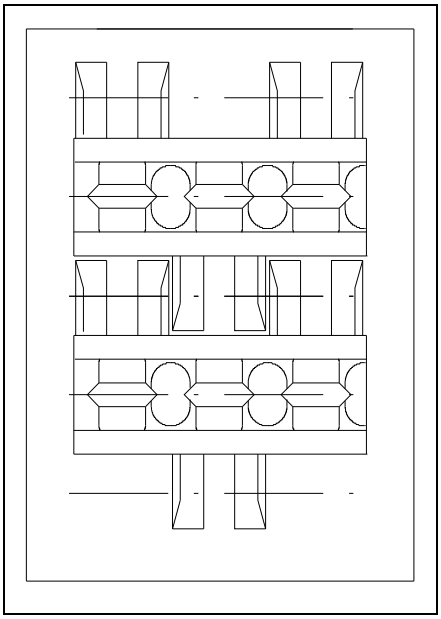

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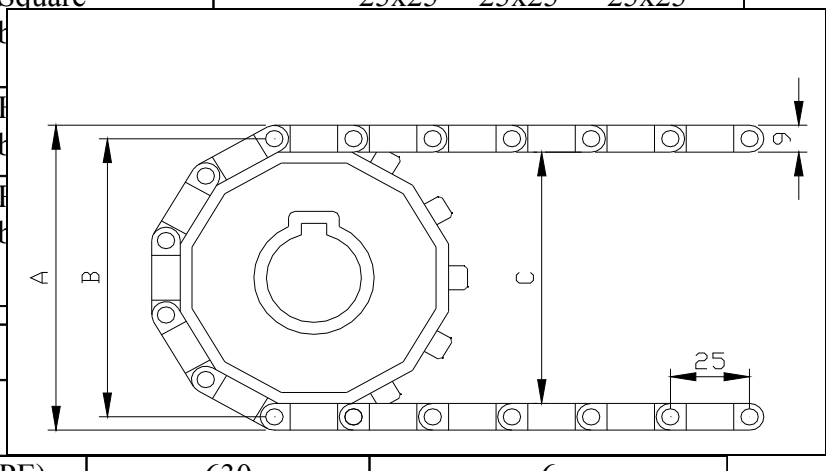
| Belt data | | |
|---|---|---|
| Materials | Max. belt pull kg/m of width | Belt weight kg/m$^2$ |
| Polyethylene (PE) | 630 | 6 |
| Polypropylene (PP) | 1060 | 6 |
| Polyacetal (POM) | 1500 | 8 |

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

| Sprocket data | | | |
|---|---|---|---|
| No. of teeth Z | A=Outside diameter mm | B= Pitch diameter mm | C= Inside diameter mm |
| 6 | 54 | 45 | 36 |
| 8 | 70 | 61 | 52 |
| 12 | 104 | 95 | 86 |
| 20 | 169 | 160 | 151 |

| Hub specifications | | | | |
|---|---|---|---|---|
| Hub width 20 mm | No. of teeth 6Z | 8Z | 12Z | 20Z |
| Square | | 25x25 | 25x25 | 25x25 |

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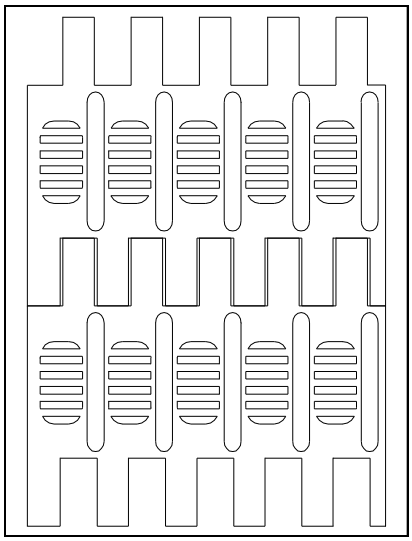

| | | |
|---|---|---|
| Materials | | |
| Polyethylene (PE) | 630 | 6 |
| Polypropylene (PP) | 1060 | 6 |
| Polyacetal (POM) | 1500 | 8 |

Belt surface: Open net-like belt with 2,5 mm flights.
Open area: 13 %. Biggest opening 1 x 6 mm.
Strength: Ideal for medium weight transportation.
Material/colour: PE/nat, PP/white and grey. POM/blue
Cleanability: Good.
Accessories: 3, 25 and 50 mm flights, 25 and 50 mm side guards.
Application: Fish, meat, vegetables etc. Suitable for blanching belts and boiling of noodles.
Width interval: 10 mm. e.g.: 100 mm, 110 mm, 120 mm etc.

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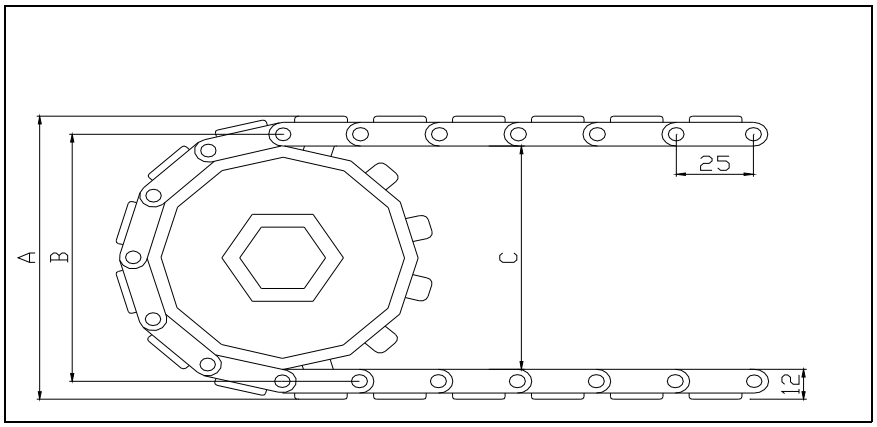
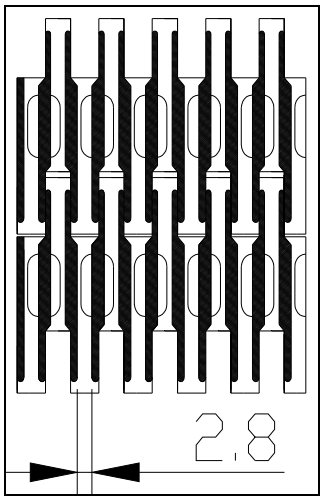
| Sprocket data | | | |
|---|---|---|---|
| No. of teeth Z | A=Outside diameter mm | B= Pitch diameter mm | C= Inside diameter mm |
| 6 | 57 | 45 | 36 |
| 8 | 75 | 61 | 52 |
| 12 | 108 | 95 | 86 |
| 20 | 173 | 160 | 151 |

| Hub specifications | | | | |
|---|---|---|---|---|
| Hub width 20 mm | No. of teeth 6Z | 8Z | 12Z | 20Z |
| Square bore mm. | | 25x25 | 25x25<br>40x40 | 25x25<br>40x40<br>60x60 |
| Hexagon bore mm | 24x24x24 | | | |
| Round bore mm. | ш20 | ш20<br>ш25 | ш20<br>ш25<br>ш30<br>ш40 | ш25<br>ш30<br>ш40 |




# S. 25-420




| Belt data | | |
|---|---|---|
| Materials | Max. belt pull kg/m of width | Belt weight kg/m$^2$ |
| Polyethylene (PE) | 800 | 12 |
| Polypropylene (PP) | 1200 | 12 |
| Polyacetal (POM) | 2000 | 16 |

| | |
|---|---|
| Belt surface: | Raised ribs – drained – for the use of finger transfer plates. |
| Open area: | 14 %. Biggest opening 10 x 2 mm. |
| Strength: | Ideal for medium weight transportation. |
| Material/colour: | PE/nat, PP/white and grey. POM/blue. |
| Cleanability: | Excellent. |
| Accessories: | Finger transfer plates. |
| Application: | Transport of small products, such as bottles, glass and machine components. |
| Width interval: | 10 mm. e.g.: 100 mm, 110 mm, 120 mm etc. |

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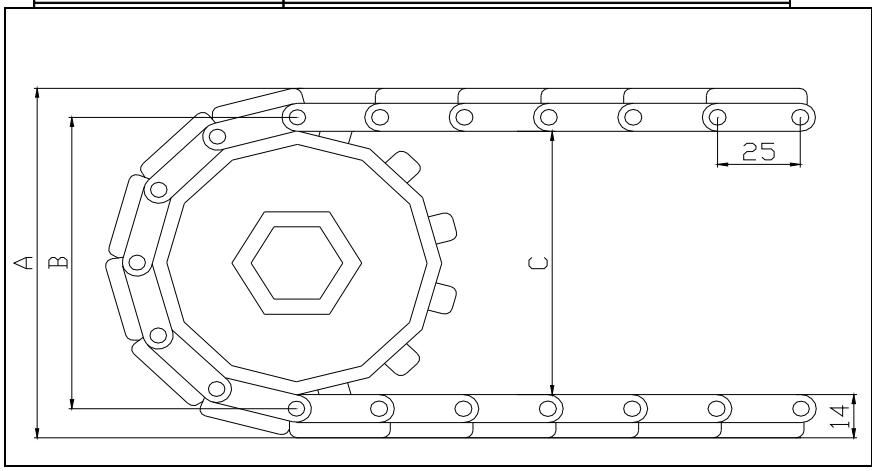
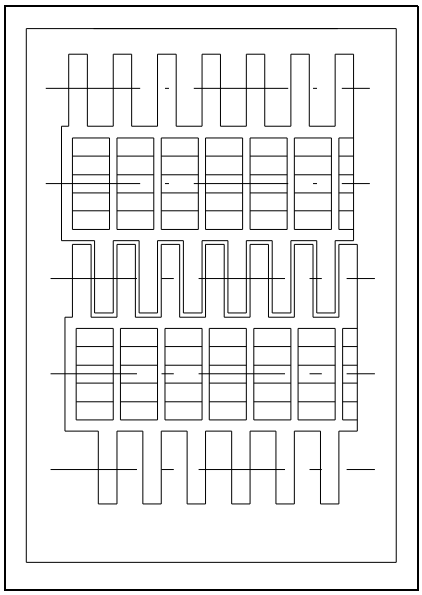
| Sprocket data | | | |
|---|---|---|---|
| No. of teeth Z | A=Outside diameter mm | B= Pitch diameter mm | C= Inside diameter mm |
| 6 | 64 | 45 | 36 |
| 8 | 80 | 61 | 52 |
| 12 | 114 | 95 | 86 |
| 20 | 179 | 160 | 151 |

| Hub specifications | | | | |
|---|---|---|---|---|
| Hub width 20 mm | No. of teeth 6Z | 8Z | 12Z | 20Z |




# S. 25-600



**(1:1)**

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

Belt surface: Perforated flat top.
Open area: 16 %. Biggest opening 1,5 x 3 mm.
Strength: An ideal choice for light transportation.
Material/colour: PE/nat, PP/white and grey. POM/blue.
Cleanability: Good.
Accessories: 5, 25 and 50 mm flights, 25 and 50 mm side guards. 25 and 50 mm friction flights.
Application: Bakery (raw dough), poultry, sweet goods and other industries.
Width interval: 6 mm. e.g.: 100 mm, 106 mm, 112 mm etc.

| Sprocket data | | | |
|---|---|---|---|
| No. of teeth Z | A= Outside diameter mm | B= Pitch diameter mm | C= Inside diameter mm |
| 6 | 59 | 50 | 41 |
| 12 | 106 | 97 | 88 |
| 20 | 170 | 161 | 152 |

| Hub specifications | | | |
|---|---|---|---|
| Hub width 40 mm | No. of teeth 6Z | 12Z | 20Z |
| Square bore mm. | | 40x40 | 40x40<br>60x60 |
| Round bore mm. | ш20 | ш25<br>ш30<br>ш40 | ш25<br>ш30<br>ш40 |

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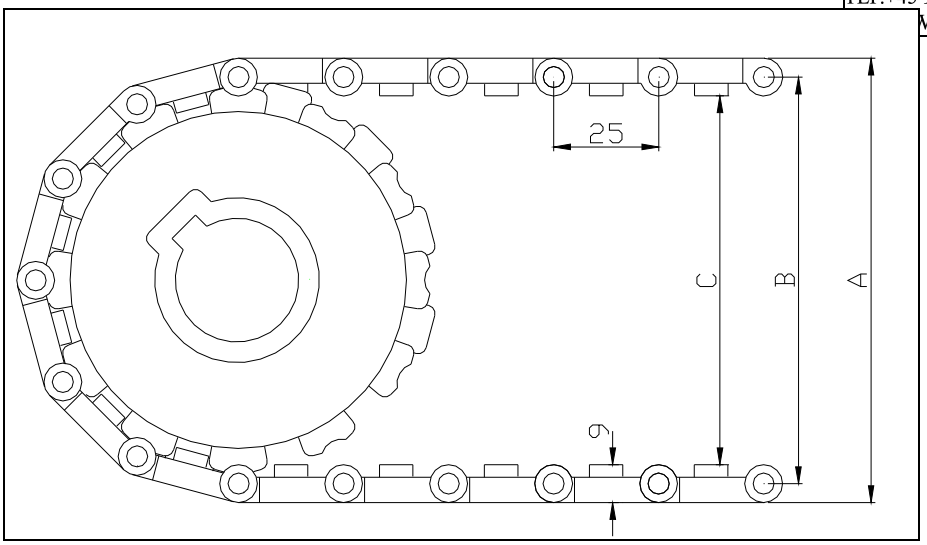
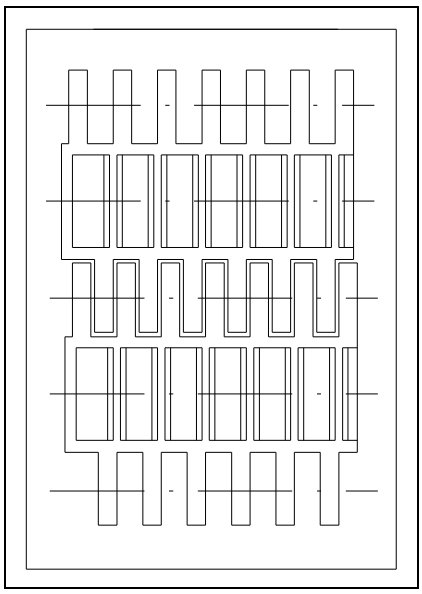



# S. 25-700



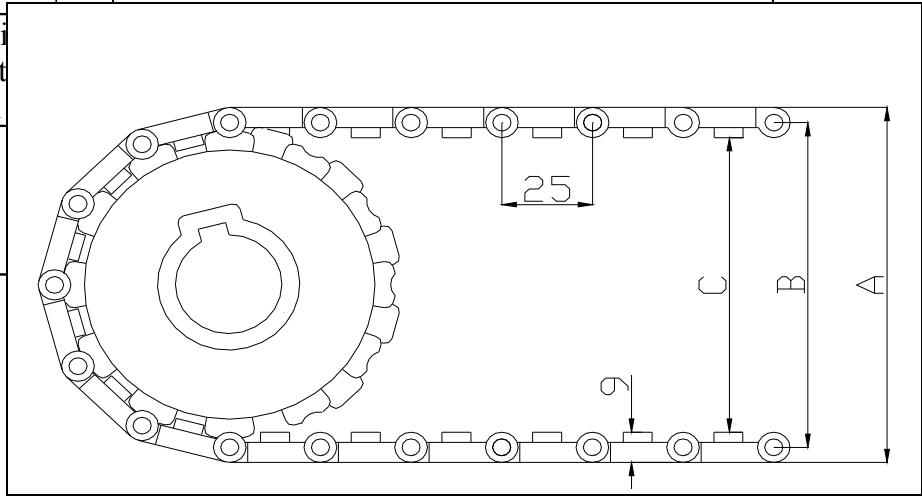
**(1:1)**

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

Belt surface: Open belt with a smooth surface..
Open area: 27 %. Biggest opening 3 x 12 mm.
Strength: An ideal choice for light transportation.
Material/colour: PE/nat, PP/white and grey. POM/blue
Cleanability: Good.
Accessories: 5, 25 and 50 mm flights, 25 and 50 mm side guards.
Application: Vegetables, bakery, seafood, poultry and other industries. Even as cooling/freezing belt.
Width interval: 6 mm. e.g.: 100 mm, 106 mm, 112 mm etc.

| Sprocket data | | | |
|---|---|---|---|
| No. of teeth Z | A= Outside diameter mm | B= Pitch diameter mm | C= Insi diamet mm |
| 6 | 59 | 50 | 41 |
| 12 | 106 | 97 | 88 |
| 20 | 170 | 161 | 152 |

Hub specifications



# S. 25-702

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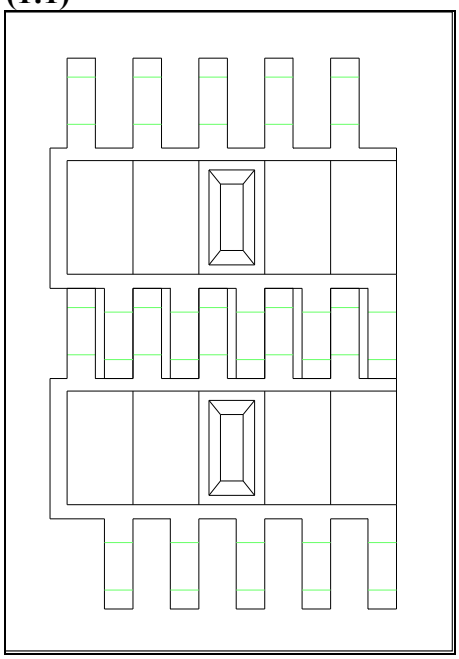
**(1:1)**

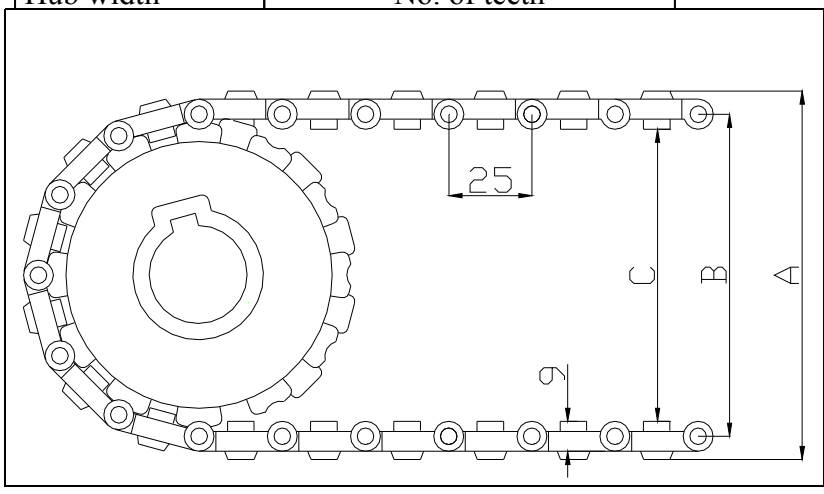


| Belt data | | |
|---|---|---|
| Materials | Max. belt pull kg/m of width | Belt weight kg/m$^2$ |
| Polyethylene (PE) | 540 | 4 |
| Polypropylene (PP) | 740 | 4 |
| Polyacetal (POM) | 1250 | 6 |

| | |
|---|---|
| Belt surface: | Open net-like belt with 2,5 mm flights. |
| Open area: | 22 %. Biggest opening 3 x 12 mm. |
| Strength: | An ideal choice for light transportation. |
| Material/colour: | PE/nat, PP/white and grey. POM/blue. |
| Cleanability: | Good. |
| Accessories: | 5, 25 and 50 mm flights, 25 and 50 mm side guards. Standard modules can be supplied in a special high-friction material. |
| Application: | Products requiring drainage and demanding a low contact surface, such as lacquering of furniture. |
| Width interval: | 6 mm. e.g.: 100 mm, 106 mm, 112 mm etc. |

| Sprocket data | | | |
|---|---|---|---|
| No. of teeth Z | A= Outside diameter mm | B= Pitch diameter mm | C= Inside diameter mm |
| 6 | 64 | 50 | 41 |
| 12 | 111 | 97 | 88 |
| 20 | 175 | 161 | 152 |

| Hub specifications | |
|---|---|
| Hub width | No. of teeth |




# S. 25-800

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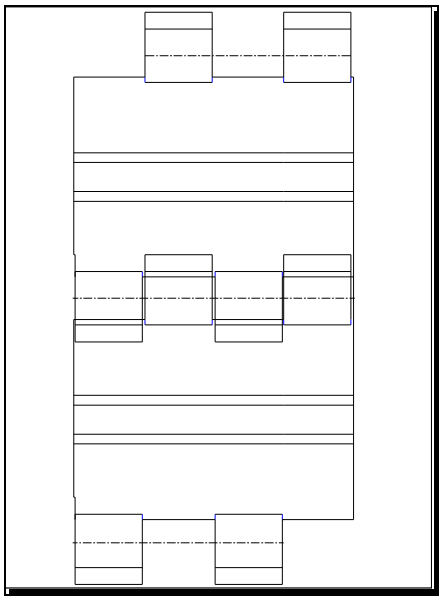


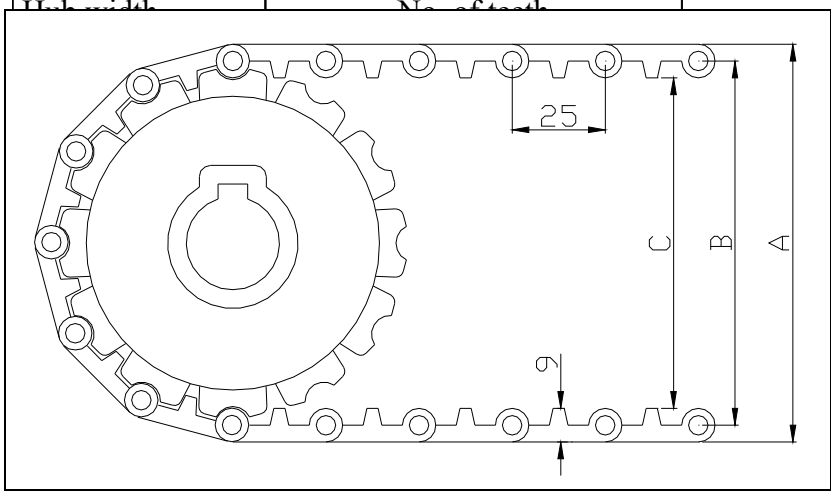
**(1:1)**

| Belt data | | |
|---|---|---|
| Materials | Max. belt pull kg/m of width | Belt weight $kg/m^2$ |
| Polyethylene (PE) | 550 | 4 |
| Polypropylene (PP) | 650 | 4 |
| Polyacetal (POM) | 1050 | 6 |

Belt surface: Flat top.
Open area: Closed.
Strength: An ideal choice for light transportation.
Material/colour: PE/nat, PP/white and grey. POM/blue.
Cleanability: Excellent. FSIS.
Accessories: 3, 25 and 50 mm flights. 25 and 50 mm side guards. Standard modules can be supplied in a special high-friction material.
Application: Red meat, vegetables, seafood, fruit, snacks and bakeries.
Width interval: 10 mm. e.g: 100 mm, 110 mm, 120 mm etc.

| Sprocket data | | | |
|---|---|---|---|
| No. of teeth Z | A=Outside diameter mm | B= Pitch diameter mm | C= Inside diameter mm |
| 6 | 59 | 50 | 41 |
| 12 | 106 | 97 | 88 |
| 20 | 170 | 161 | 152 |

| Hub specifications | |
|---|---|
| Hub width | No. of teeth |



# S. 25-806

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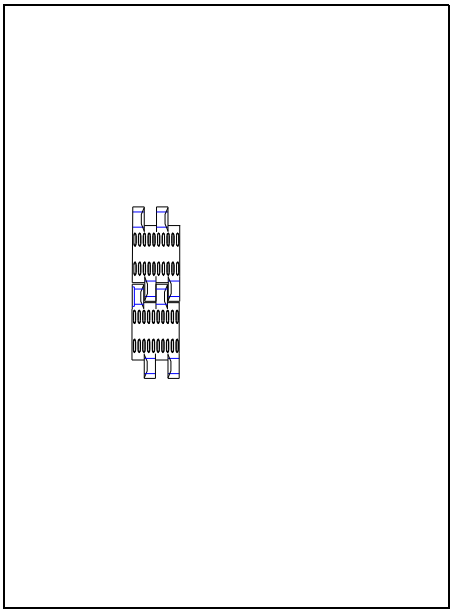

**(1:1)**

| Belt data | | |
|---|---|---|
| Materials | Max. belt pull kg/m of width | Belt weight kg/m$^2$ |
| Polyethylene (PE) | 550 | 4 |
| Polypropylene (PP) | 650 | 4 |
| Polyacetal (POM) | 1050 | 6 |

Belt surface: Perforated flat top.
Open area: 17 %. Biggest opening 2 x 5 mm.
Strength: An ideal choice for light transportation.
Material/colour: PE/nat, PP/white and grey. POM/blue.
Cleanability: Excellent. FSIS.
Accessories: 3, 25 and 50 mm flights, 25 and 50 mm side guards. Standard modules can be supplied in a special high-friction material.
Application: Seafood, dairy, vegetables, poultry, snacks, sweet goods and other industries that handle products requiring drainage and small openings.
Width interval: 10 mm. e.g.: 100 mm, 110 mm, 120 mm etc.

| Sprocket data | | | |
|---|---|---|---|
| No. of teeth Z | A=Outside diameter mm | B= Pitch diameter mm | C= Inside diameter mm |
| 6 | 59 | 50 | 41 |
| 12 | 106 | 97 | 88 |
| 20 | 170 | 161 | 152 |

| Hub specifications | | | |
|---|---|---|---|
| Hub width 40 mm | No. of teeth 6Z | 12Z | 20Z |
| Square bore mm. | | 40x40 | 40x40<br>60x60 |
| Round bore mm. | ш20 | ш25<br>ш30<br>ш40 | ш25<br>ш30<br>ш40 |

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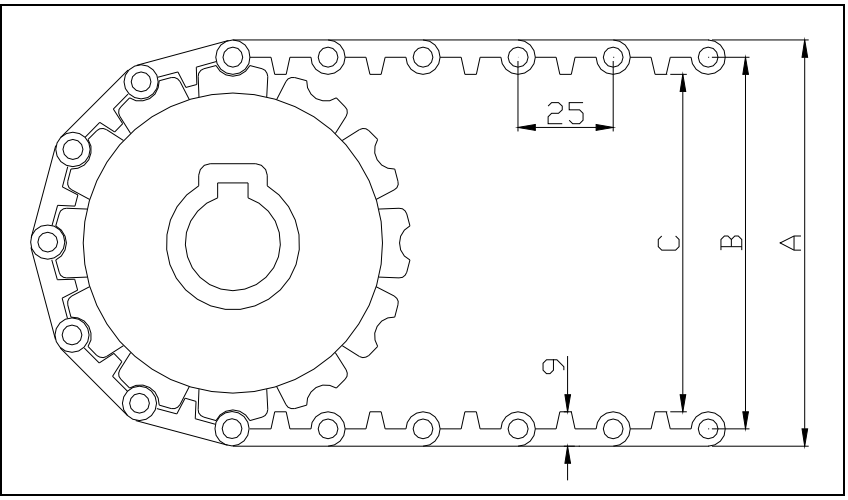
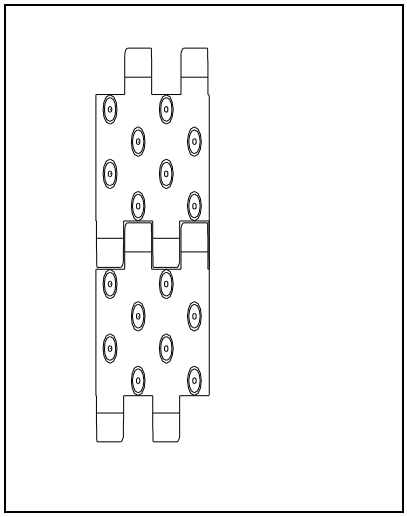
# S. 25-830



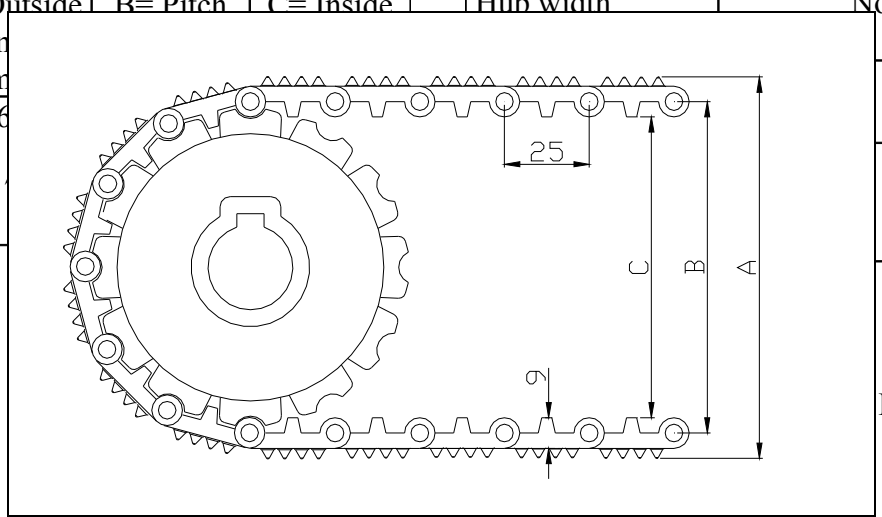
**(1:1)**

| Belt data | | |
|---|---|---|
| Materials | Max. belt pull kg/m of width | Belt weight kg/m$^2$ |
| Polyethylene (PE) | 550 | 4 |
| Polypropylene (PP) | 650 | 4 |
| Polyacetal (POM) | 1050 | 6 |

Belt surface: Structure top with 3 mm cones.
Open area: Closed.
Strength: An ideal choice for light transportation.
Material/colour: PE/nat, PP/white and grey. POM/blue.
Cleanability: Excellent. FSIS.
Accessories: 25 and 50 mm flights. 25 and 50 mm side guards. Standard modules can be supplied in a special high-friction material, and with an indent of 40 mm.
Application: Seafood, red meat, vegetables etc.
Width interval: 10 mm. e.g: 100 mm, 110 mm, 120 mm etc.

| Sprocket data | | | |
|---|---|---|---|
| No. of teeth Z | A=Outside dian m | B= Pitch | C= Inside |
| 6 | 6 | | |
| 12 | 1 | | |
| 20 | 1 | | |

| Hub specifications | | |
|---|---|---|
| Hub width | No. of teeth | |
| | 12Z | 20Z |
| 40x40 | 40x40 | 40x40 |
| | | 60x60 |
| ш25 | ш25 | ш25 |
| ш30 | ш30 | ш30 |
| ш40 | ш40 | ш40 |



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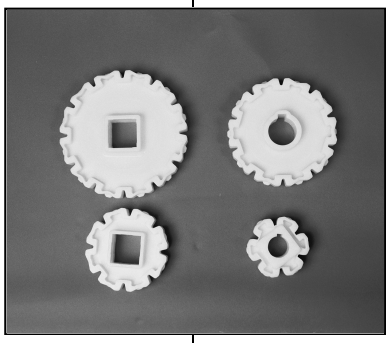
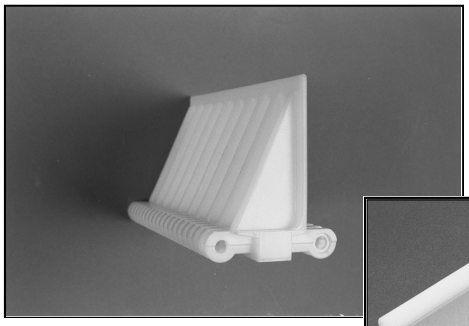
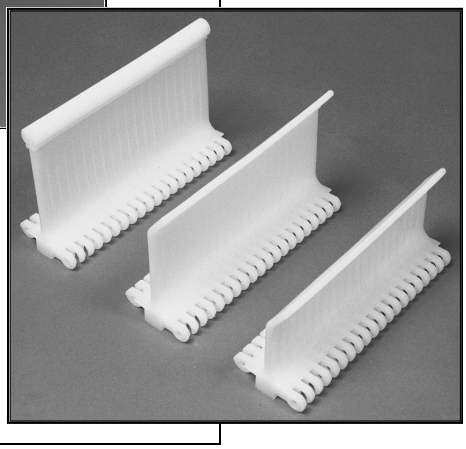
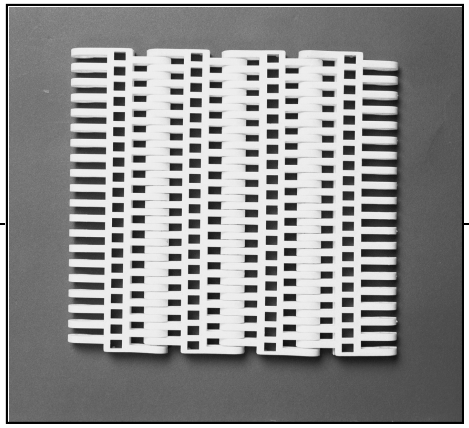
# 3. Belt S-50

Pitch 50 mm.









# S. 50-100

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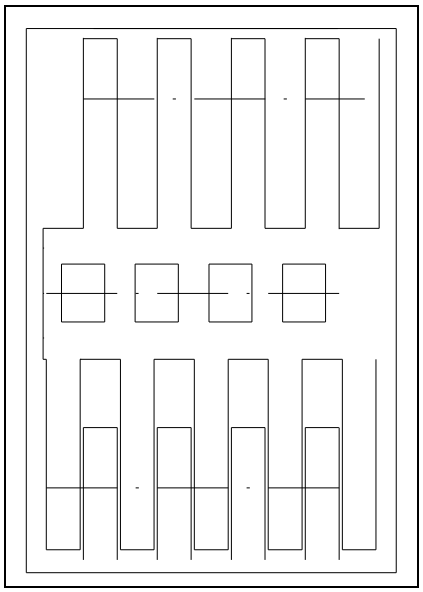


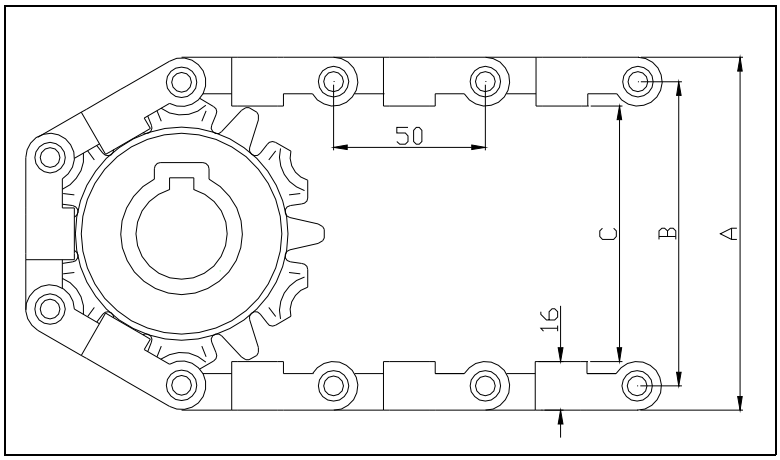
**(1:1)**

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

Belt surface: Open belt with a smooth surface.
Open area: 27 %. Biggest opening 5 x 9 mm.
Strength: The right belt for heavy applications.
Material/colour: PE/nat, PP/white and grey. POM/blue.
Cleanability: Good.
Accessories: 25, 50, 75 and 100 mm flights. Extended and bended flights. 75 and 150 mm supported flights. 50, 75, 100 and 150 mm side guards. 50 mm comb flights. High-friction modules. Hold-down. Flights fitted with a round top.
Application: Seafood, wood, bakery, meat, vegetables, poultry and heavy duty transportation in general.
Width interval: 10 mm. e.g.: 100 mm, 110 mm, 120 mm etc.

| Sprocket data | | | |
|---|---|---|---|
| No. of teeth Z | A= Outside diameter mm | B= Pitch diameter mm | C= Inside diameter mm |
| 6 | 117 | 101 | 85 |
| 8 | 149 | 133 | 117 |
| 10 | 180 | 164 | 148 |
| 12 | 211 | 195 | 179 |
| 16 | 275 | 259 | 243 |

| Hub specifications | | | | | |
|---|---|---|---|---|---|
| Hub width 40 mm | No. of teeth 6Z | 8Z | 10Z | 12Z | 16Z |
| Square bore mm. | 38x38 | 30x30 | 38x38 | 38x38 | 40x40 |
| | 40x40 | 38x38 | 40x40 | 40x40 | 50x50 |
| | | 40x40 | 60x60 | 60x60 | 60x60 |
| | | | 65x65 | 65x65 | 65x65 |
| | | | | | 80x80 |
| Round bore mm. | ш25 | ш25 | ш30 | ш30 | |
| | ш30 | ш30 | ш40 | ш40 | |
| | ш40 | ш40 | ш50 | ш50 | |
| | | | ш60 | ш60 | ш60 |
| | | | ш80 | ш80 | ш80 |



# S. 50-200

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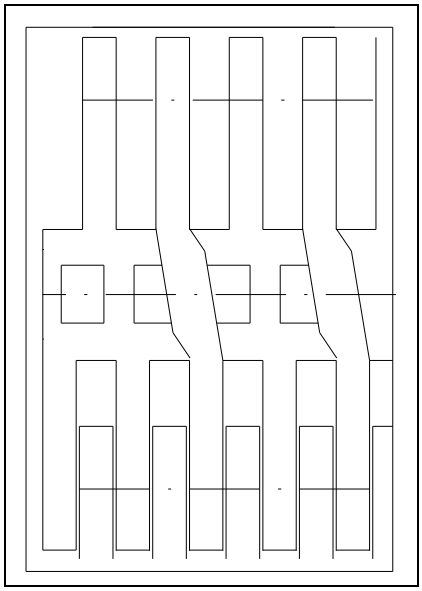


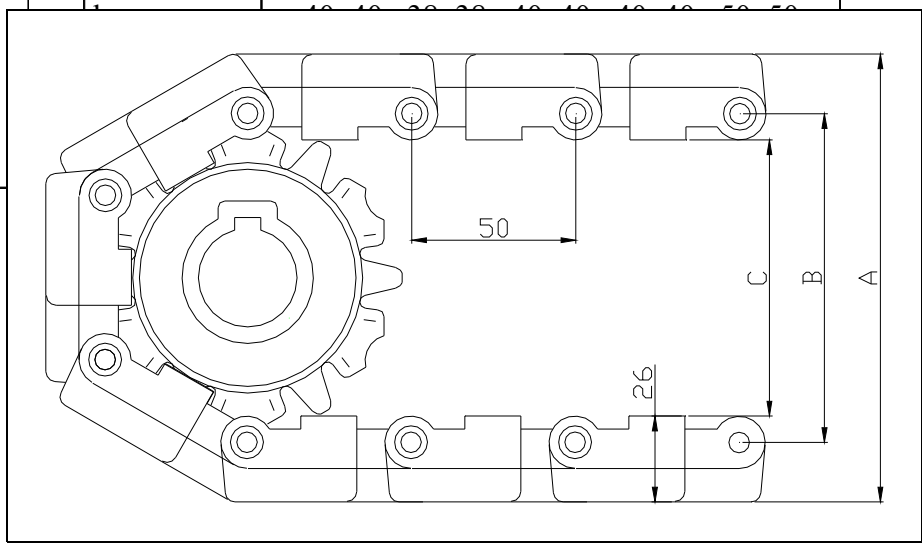
**(1:1)**

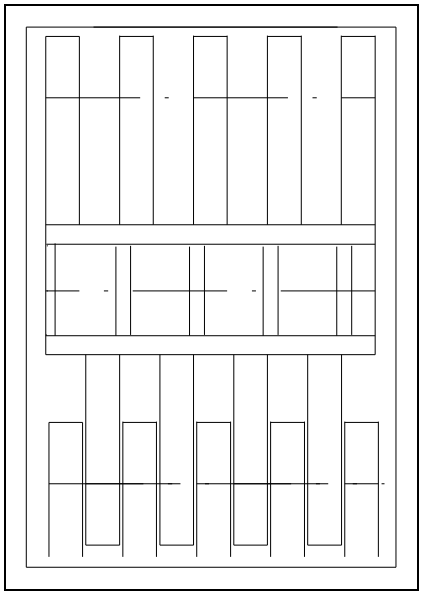
| Belt data | | |
|---|---|---|
| Materials | Max. belt pull kg/m of width | Belt weight kg/m$^2$ |
| Polyethylene (PE) | 1840 | 11 |
| Polypropylene (PP) | 2795 | 11 |
| Polyacetal (POM) | 4200 | 16 |

Belt surface: Raised ribs for the use of finger transfer plates.
Open area: 27 %. Biggest opening 5 x 9 mm.
Strength: The right belt for heavy transportation. Strongest belt in the S. 50 series.
Material/colour: PE/nat, PP/white and grey. POM/blue.
Cleanability: Good.
Accessories: Finger transfer plates. Fingerlenght = 200 mm.
Application: Bottling, canning, brewery and tyre industries.
Width interval: 20 mm. e.g.: 100 mm, 120 mm, 140 mm etc.

| Sprocket data | | | |
|---|---|---|---|
| No. of teeth Z | A= Outside diameter mm | B= Pitch diameter mm | C= Inside diameter mm |
| 6 | 117 | 101 | 85 |
| 8 | 149 | 133 | 117 |
| 10 | 180 | 164 | 148 |
| 12 | 211 | 195 | 179 |
| 16 | 295 | 259 | 243 |

| Hub specifications | | | | | |
|---|---|---|---|---|---|
| Hub width 40 mm | No. of teeth 6Z | 8Z | 10Z | 12Z | 16Z |
| Square | 38x38 | 30x30 | 38x38 | 38x38 | 40x40 |



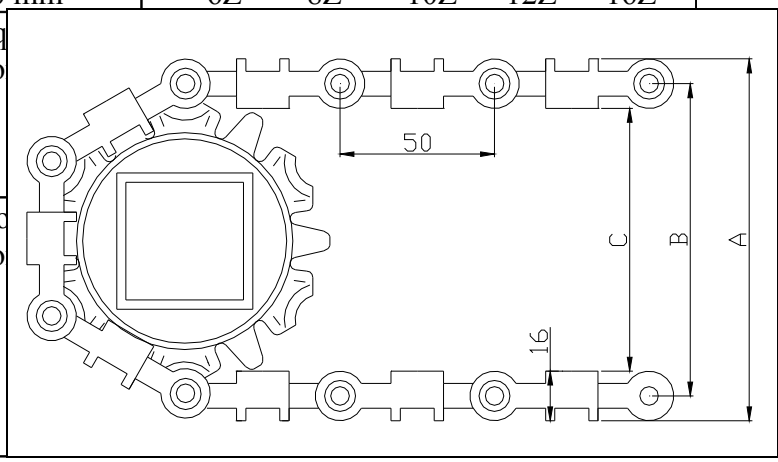
| Belt data | | |
|---|---|---|
| Materials | Max. belt pull kg/m of width | Belt weight kg/m$^2$ |
| Polyethylene (PE) | 1740 | 7 |
| Polypropylene (PP) | 2300 | 7 |
| Polyacetal (POM) | 3450 | 10 |

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

**(1:1)**

| Sprocket data | | | |
|---|---|---|---|
| No. of teeth Z | A= Outside diameter mm | B= Pitch diameter mm | C= Inside diameter mm |
| 6 | 117 | 101 | 85 |
| 8 | 149 | 133 | 117 |
| 10 | 180 | 164 | 148 |
| 12 | 211 | 195 | 179 |
| 16 | 275 | 259 | 243 |

| Hub specifications | | | | | |
|---|---|---|---|---|---|
| Hub width 40 mm | No. of teeth 6Z | 8Z | 10Z | 12Z | 16Z |
| Sq bo | | | | | |
| Ro bo | | | | | |



# S. 50-400

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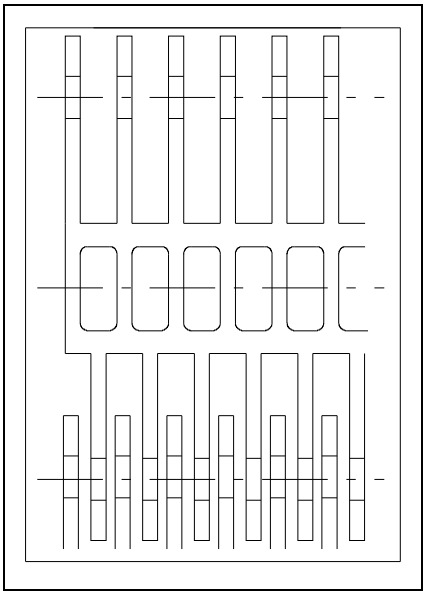


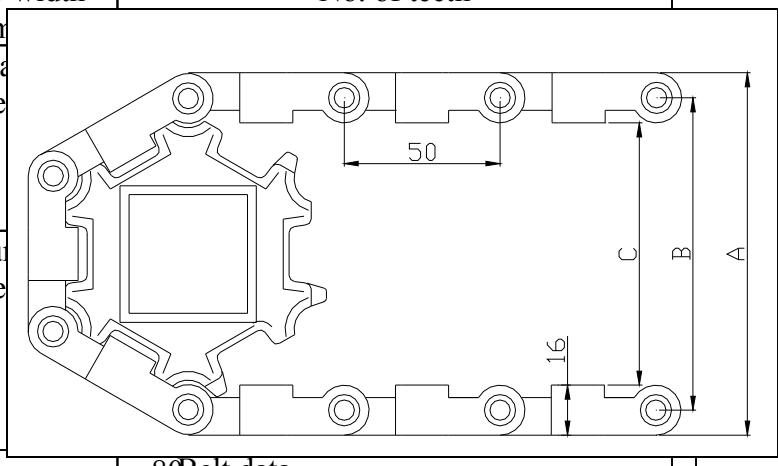
**(1:1)**

| Belt data | | |
|---|---|---|
| Materials | Max. belt pull kg/m of width | Belt weight kg/m$^2$ |
| Polyethylene (PE) | 1640 | 6 |
| Polypropylene (PP) | 2160 | 6 |
| Polyacetal (POM) | 3240 | 8 |

Belt surface: Open belt with a smooth surface.
Open area: 47 %. Biggest opening 5 x 11 mm.
Strength: The right belt for medium-heavy transportation.
Material/colour: PE/nat, PP/white and grey. POM/blue.
Cleanability: Excellent. FSIS.
Accessories: 25, 50 and 75 mm flights. 50, 75, 100 and 150 mm side guards. Hold-down. Extended and bend flights. Flights fitted with a round top.
Application: Cooling/freezing belts in the seafood, bakery, vegetables and meat industries and other areas where large air-flow combined with a small open area are requried.
Width interval: 7 mm. e.g: 100 mm, 107 mm, 114 mm etc.

| Sprocket data | | | |
|---|---|---|---|
| No. of teeth Z | A= Outside diameter mm | B= Pitch diameter mm | C= Inside diameter mm |
| 6 | 117 | 101 | 85 |
| 8 | 149 | 133 | 117 |
| 10 | 180 | 164 | 148 |
| 12 | 211 | 195 | 179 |
| 16 | 275 | 259 | 243 |

| Hub specifications | |
|---|---|
| Hub width 40 m | No. of teeth |
| Squa bore | |
| Rou bore | |
| ш80 | |




# S. 50-402k2

| Belt data | | |
|---|---|---|
| Materials | Max. belt pull kg/m of width | Belt weight kg/m$^2$ |

Belt surface: Open belt with 10 mm flights.
Open area: 46 %. Biggest opening 5 x 11 mm.
Strength: The right belt for medium-heavy transportation.
Material/colour: PE/nat, PP/white and grey. POM/blue.
Cleanability: Excellent. FSIS.
Accessories: 25, 50 and 75 mm flights. 50, 75, 100 and 150 mm side guards. Hold-down. Extended and bend flights. Flights fitted with a round top.
Application: Products requiring drainage and demanding a low contact surface, such as lacquering of furniture.
Width interval: 7 mm. e.g: 100 mm, 107 mm, 114 mm etc.

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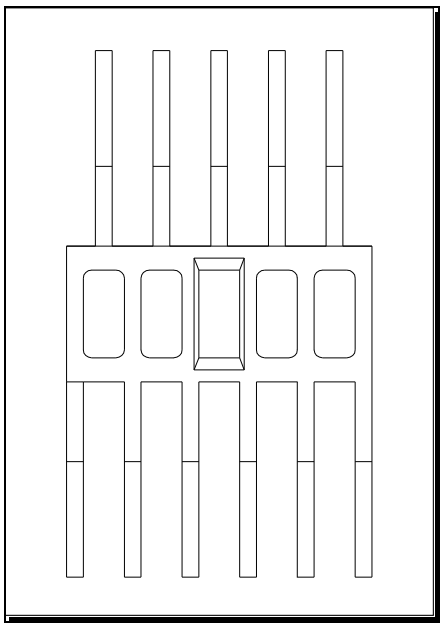
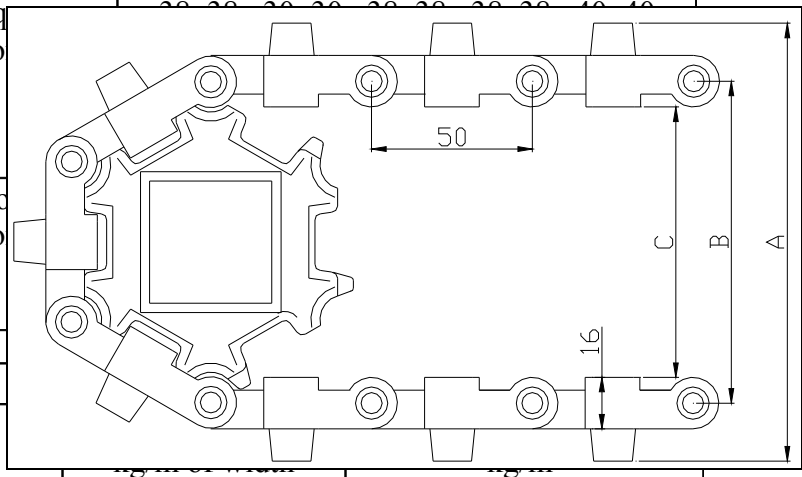


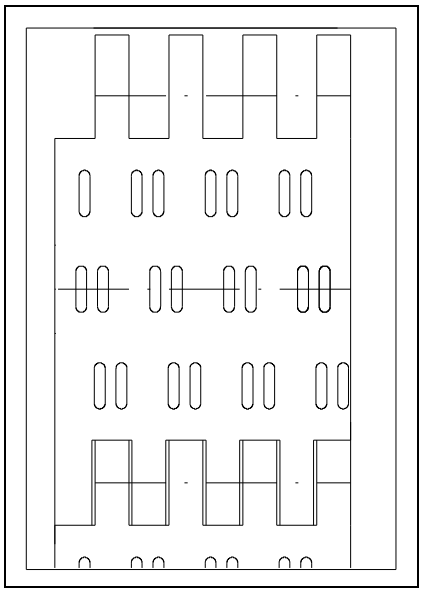
(1:1)

| Sprocket data | | | |
|---|---|---|---|
| No. of teeth Z | A= Outside diameter mm | B= Pitch diameter mm | C= Inside diameter mm |
| 6 | 126 | 101 | 85 |
| 8 | 158 | 133 | 117 |
| 10 | 189 | 164 | 148 |
| 12 | 220 | 195 | 179 |
| 16 | 284 | 259 | 243 |

| Hub specifications | | | | | |
|---|---|---|---|---|---|
| Hub width 40 mm | No. of teeth 6Z | 8Z | 10Z | 12Z | 16Z |
| Sq bo | | | | | |
| Ro bo | | | | | |




# S. 50-600



**(1:1)**

| Materials | | |
|---|---|---|
| Polyethylene (PE) | 1790 | 7 |
| Polypropylene (PP) | 2400 | 7 |
| Polyacetal (POM) | 3600 | 11 |

| | |
|---|---|
| Belt surface: | Perforated flat top. |
| Open area: | 9 %. Biggest opening 1 x 6 mm. |
| Strength: | The right belt for medium-heavy transportation. |
| Material/colour: | PE/nat, PP/white and grey. POM/blue. |
| Cleanability: | Excellent. FSIS. |
| Accessories: | 25, 50, 75 and 100 mm flights. Extended and bend flights. 75 and 150 mm supported flights. 50, 75, 100 and 150 mm side guards. 50 mm comb flights. Hold-down. Flights fitted with a round top. High-friction modules. |
| Application: | Goods and other industries that handle products requiring drainage and very small openings. |
| Width interval: | 5 mm. e.g: 100 mm, 105 mm, 110 mm etc. |

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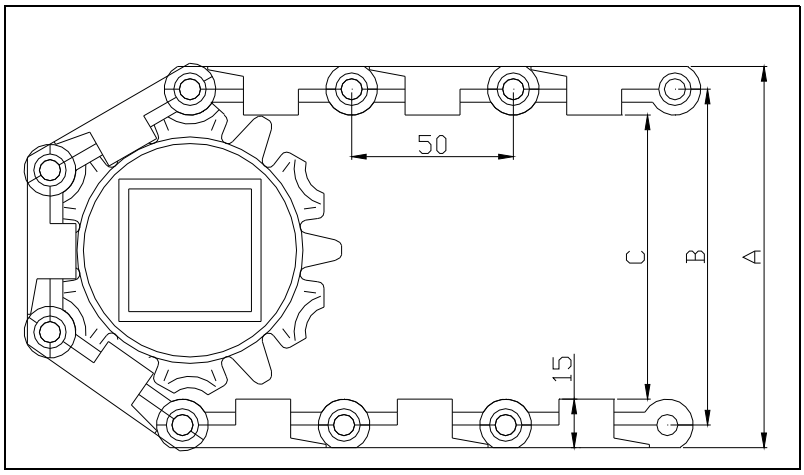
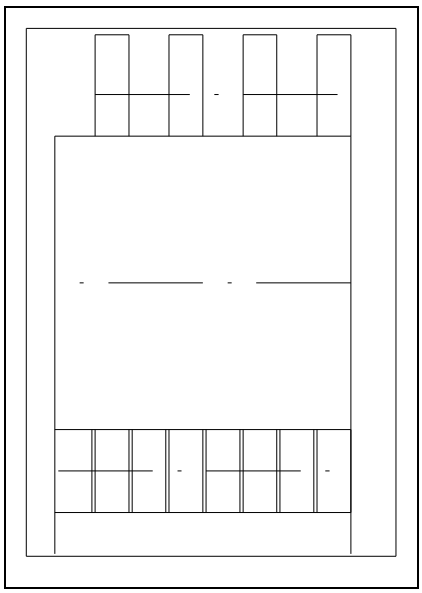
| Sprocket data | | | |
|---|---|---|---|
| No. of teeth Z | A=Outside diameter mm | B= Pitch diameter mm | C= Inside diameter mm |
| 6 | 117 | 101 | 85 |
| 8 | 149 | 133 | 117 |
| 10 | 180 | 164 | 148 |
| 12 | 211 | 195 | 179 |
| 16 | 275 | 259 | 243 |

| Hub specifications | | | | | |
|---|---|---|---|---|---|
| Hub width 40 mm | No. of teeth 6Z | 8Z | 10Z | 12Z | 16Z |
| Square bore mm. | 38x38<br>40x40 | 30x30<br>38x38<br>40x40 | 38x38<br>40x40<br>60x60<br>65x65 | 38x38<br>40x40<br>60x60<br>65x65 | 40x40<br>50x50<br>60x60<br>65x65<br>80x80 |
| Round bore mm. | ш25<br>ш30<br>ш40 | ш25<br>ш30<br>ш40 | ш30<br>ш40<br>ш50<br>ш60<br>ш80 | ш30<br>ш40<br>ш50<br>ш60<br>ш80 | ш60<br>ш80 |




# S. 50-600F/2 component



| Belt data | | |
|---|---|---|
| Materials | Max. belt pull kg/m of width | Belt weight kg/m$^2$ |
| Polyethylene (PE) | 1790 | 8 |
| Polypropylene (PP) | 2400 | 8 |

| | |
|---|---|
| Belt surface: | Closed belt with a friction surface. |
| Open area: | Closed. |
| Strength: | The right belt for medium-heavy transportation. |
| Material/colour: | PE/nat, PP/white and grey. |
| Cleanability: | Good. |
| Accessories: | 25, 50, 75 and 100 mm flights. Extended and bend flights. 75 and 150 mm supporterede flights. 50, 75, 100 and 150 mm side guards. 50 mm comb flights. High-friction modules. |
| Application: | Transport of goods on a slightly inclined conveyor. |
| Width interval: | 5 mm. e.g: 100 mm, 105 mm, 110 mm etc. |

(1:1)

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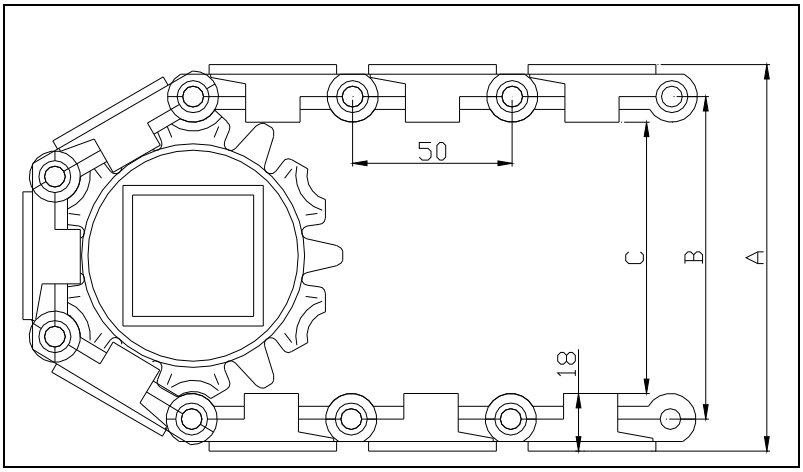
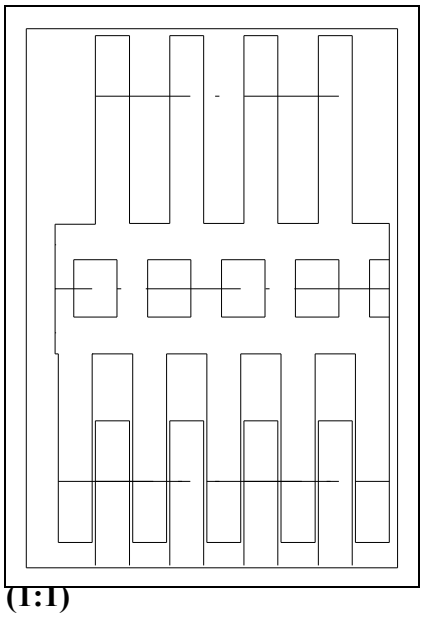
| Sprocket data | | | |
|---|---|---|---|
| No. of teeth Z | A= Outside diameter mm | B= Pitch diameter mm | C= Inside diameter mm |
| 6 | 120 | 101 | 85 |
| 8 | 151 | 133 | 117 |
| 10 | 183 | 164 | 148 |
| 12 | 214 | 195 | 179 |
| 16 | 278 | 259 | 243 |

| Hub specifications | | | | | |
|---|---|---|---|---|---|
| Hub width 40 mm | No. of teeth 6Z | 8Z | 10Z | 12Z | 16Z |
| Square bore mm. | 38x38<br>40x40 | 30x30<br>38x38<br>40x40 | 38x38<br>40x40<br>60x60<br>65x65 | 38x38<br>40x40<br>60x60<br>65x65 | 40x40<br>50x50<br>60x60<br>65x65<br>80x80 |
| Round bore mm. | ш25<br>ш30<br>ш40 | ш25<br>ш30<br>ш40 | ш30<br>ш40<br>ш50<br>ш60<br>ш80 | ш30<br>ш40<br>ш50<br>ш60<br>ш80 | <br><br><br>ш60<br>ш80 |




# S. 50-601



(1:1)

| Belt data | | |
|---|---|---|
| Materials | Max. belt pull kg/m of width | Belt weight kg/m$^2$ |
| Polyethylene (PE) | 1790 | 7 |
| Polypropylene (PP) | 2400 | 7 |

Belt surface: Open belt with a smooth surface.
Open area: 27%. Biggest opening 5 x 7 mm.
Strength: The right belt for medium-heavy transportation.
Material/colour: PE/nat, PP/white and grey. POM/blue.
Cleanability: Excellent. FSIS.
Accessories: 25, 50, 75 and 100 mm flights. Extended and bend flights. 75 and 150 mm supported flights. 50, 75, 100 and 150 mm side guards. 50 mm comb flights. High-friction modules.
Application: Medium-heavy duty transportation, seafood and transportation of raw materials (for further processing).
Width interval: 10 mm. e.g: 100 mm, 110 mm, 120 mm etc.

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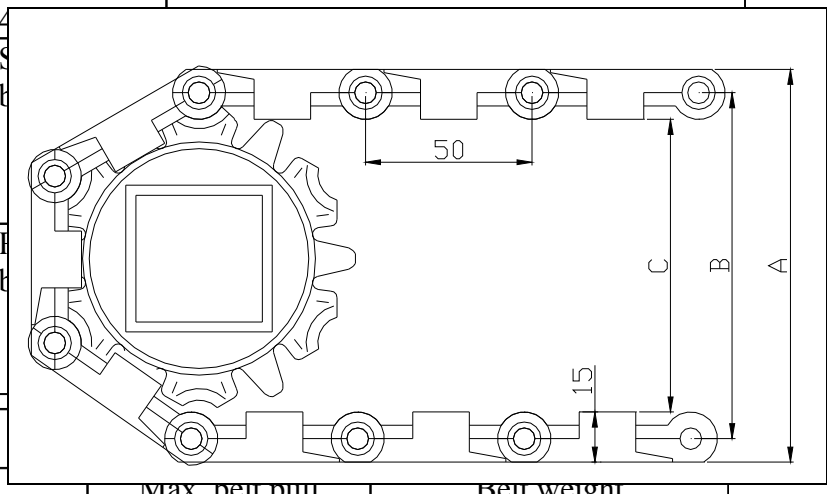
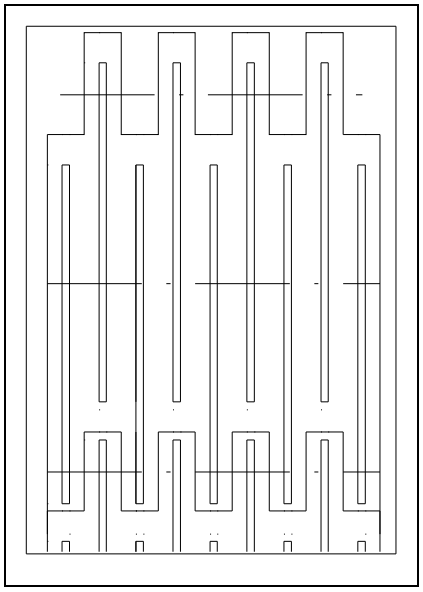
| Sprocket data | | | |
|---|---|---|---|
| No. of teeth Z | A= Outside diameter mm | B= Pitch diameter mm | C= Inside diameter mm |
| 6 | 117 | 101 | 85 |
| 8 | 149 | 133 | 117 |
| 10 | 180 | 164 | 148 |
| 12 | 211 | 195 | 179 |
| 16 | 275 | 259 | 243 |

| Hub specifications | |
|---|---|
| Hub width | No. of teeth |




# S. 50-602



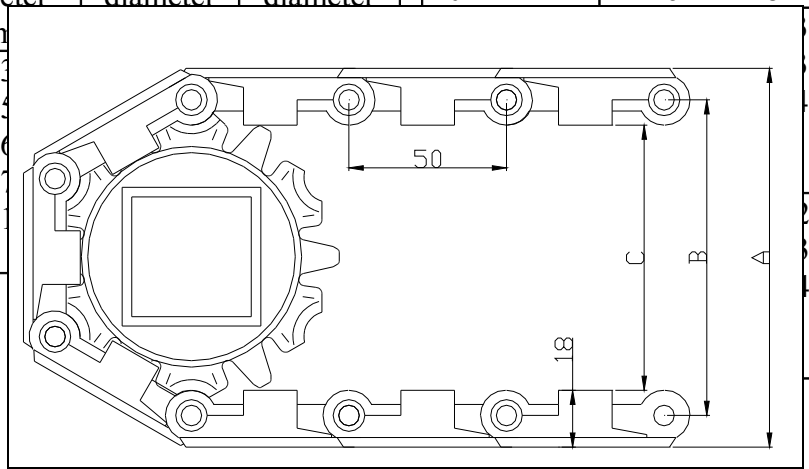
**(1:1)**

| Materials | Max. belt pull kg/m of width | Belt weight kg/m² |
|---|---|---|
| Polyethylene (PE) | 1790 | 8 |
| Polypropylene (PP) | 2400 | 8 |
| Polyacetal (POM) | 3600 | 13 |

Belt surface: Flat top with 3 mm. 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, 50, 75 and 100 mm flights. Extended and bend flights. 75 and 150 mm supported flights. 50, 75, 100 and 150 mm side guards. 50 mm comb flights. High-friction modules.
Application: Dairy, vegetables, poultry, snacks, sweet goods and other industries that handle small products.
Width interval: 5 mm. e.g: 100 mm, 105 mm, 110 mm etc.

| Sprocket data | | | |
|---|---|---|---|
| No. of teeth Z | A= Outside diameter mm | B= Pitch diameter | C= Inside diameter |
| 6 | 12 | | |
| 8 | 15 | | |
| 10 | 18 | | |
| 12 | 21 | | |
| 16 | 28 | | |

| Hub specifications | | | | | |
|---|---|---|---|---|---|
| Hub width 40 mm | No. of teeth 6Z | 8Z | 10Z | 12Z | 16Z |
| | | | 0 38x38 | 38x38 | 40x40 |
| | | | 8 40x40 | 40x40 | 50x50 |
| | | | 0 60x60 | 60x60 | 60x60 |
| | | | 65x65 | 65x65 | 65x65 |
| | | | | | 80x80 |
| | | | 25 ш30 | ш30 | |
| | | | 30 ш40 | ш40 | |
| | | | 40 ш50 | ш50 | |
| | | | ш60 | ш60 | ш60 |
| | | | ш80 | ш80 | ш80 |



# S. 50-606

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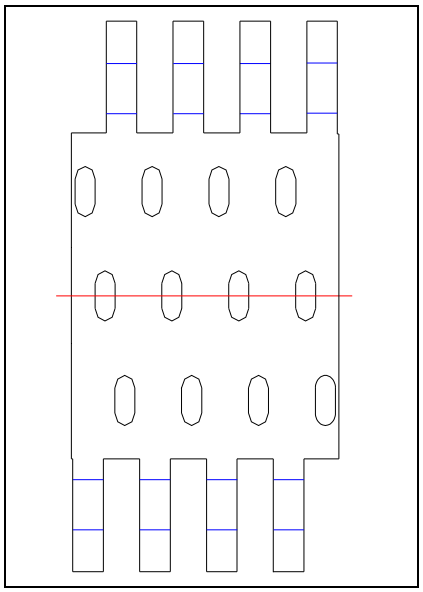


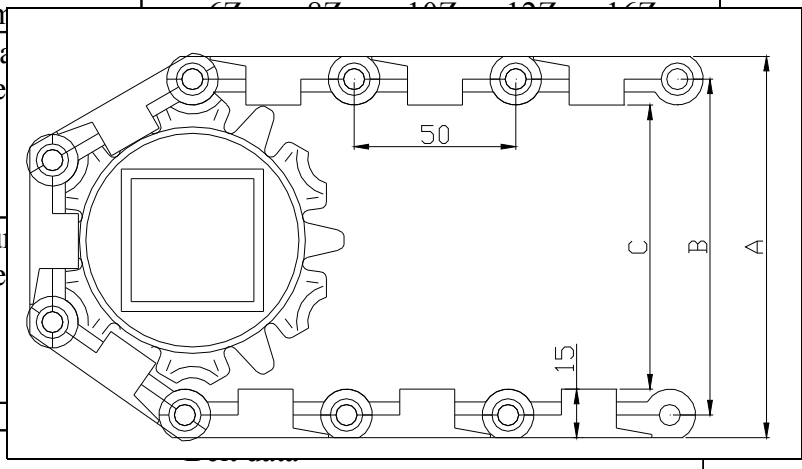
**(1:1)**

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

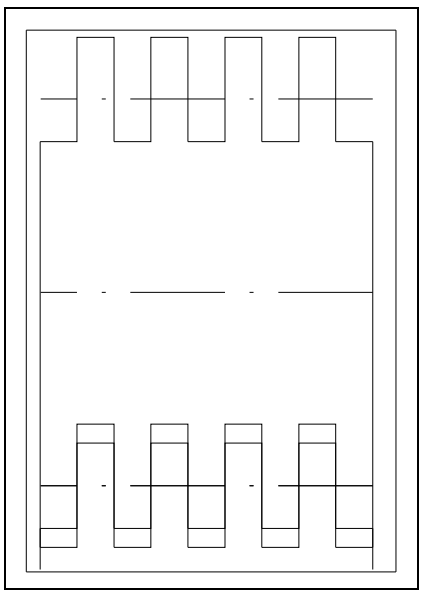
Belt surface: Perforated flat top.
Open area: 10%. Biggest opening 3 x 6 mm.
Strength: The right belt for medium-heavy transportation.
Material/colour: PE/nat, PP/white and grey. POM/blue.
Cleanability: Excellent. FSIS.
Accessories: 25, 50, 75 and 100 mm flights. Extended and bend flights. 75 and 150 mm supported flights. 50, 75, 100 and 150 mm side guards. 50 mm comb flights. High-friction modules.
Application: Dairy, vegetables, poultry, snacks, sweet goods and other industries that handle products requiring drainage and small openings.
Width interval: 5 mm. e.g: 100 mm, 105 mm, 110 mm etc.

| Sprocket data | | | |
|---|---|---|---|
| No. of teeth Z | A= Outside diameter mm | B= Pitch diameter mm | C= Inside diameter mm |
| 6 | 117 | 101 | 85 |
| 8 | 149 | 133 | 117 |
| 10 | 180 | 164 | 148 |
| 12 | 211 | 195 | 179 |
| 16 | 275 | 259 | 243 |

| Hub specifications | |
|---|---|
| Hub width 40 m | No. of teeth |
| Squa bore | |
| Rou bore | |




# S. 50-608



| | | |
|---|---|---|
| Materials | Max. belt pull kg/m of width | Belt weight kg/m$^2$ |
| Polyethylene (PE) | 1790 | 7 |

Belt surface: Flat top.
Open area: Closed.
Strength: The right belt for medium-heavy transportation.
Material/colour: PE/nat, PP/white and grey. POM/blue.
Cleanability: Excellent. FSIS.
Accessories: 25, 50, 75 and 100 mm flights. Extended and bend flights. 75 and 150 mm supported flights. 50, 75, 100 and 150 mm side guards. 50 mm comb flights. High-friction modules.
Application: Dairy, vegetables, poultry, snacks, sweet goods and other industries that handle small products.
Width interval: 5 mm. e.g: 100 mm, 105 mm, 110 mm etc.

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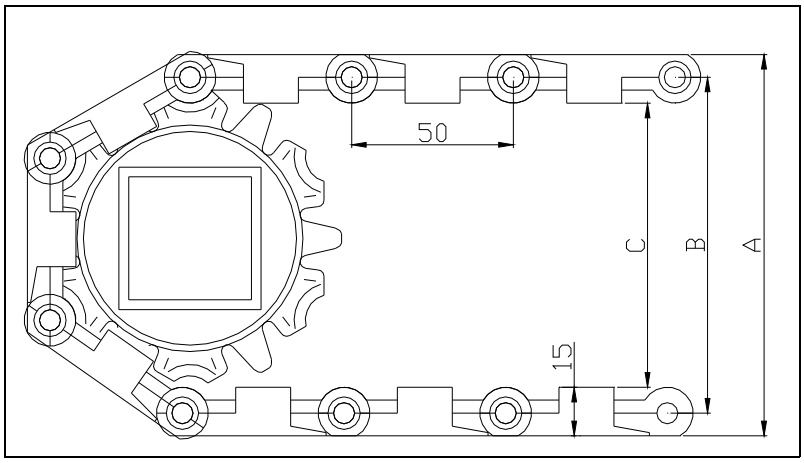
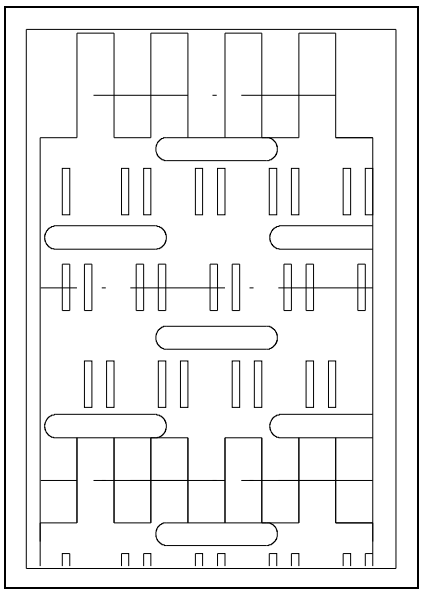
**(1:1)**

| Sprocket data | | | |
|---|---|---|---|
| No. of teeth Z | A= Outside diameter mm | B= Pitch diameter mm | C= Inside diameter mm |
| 6 | 117 | 101 | 85 |
| 8 | 149 | 133 | 117 |
| 10 | 180 | 164 | 148 |
| 12 | 211 | 195 | 179 |
| 16 | 275 | 259 | 243 |

| Hub specifications | | | | | |
|---|---|---|---|---|---|
| Hub width 40 mm | No. of teeth 6Z | 8Z | 10Z | 12Z | 16Z |
| Square bore mm. | 38x38<br>40x40 | 30x30<br>38x38<br>40x40 | 38x38<br>40x40<br>60x60<br>65x65 | 38x38<br>40x40<br>60x60<br>65x65 | 40x40<br>50x50<br>60x60<br>65x65<br>80x80 |
| Round bore mm. | ш25<br>ш30<br>ш40 | ш25<br>ш30<br>ш40 | ш30<br>ш40<br>ш50<br>ш60<br>ш80 | ш30<br>ш40<br>ш50<br>ш60<br>ш80 | ш60<br>ш80 |




# S. 50-610



| Belt data | | |
|---|---|---|
| Materials | Max. belt pull kg/m of width | Belt weight kg/m$^2$ |
| Polyethylene (PE) | 1790 | 7 |

| | |
|---|---|
| Belt surface: | Perforated flat top with 1 mm flights. |
| Open area: | 9%. Biggest opening 1 x 6 mm. |
| Strength: | The right belt for medium-heavy transportation. |
| Material/colour: | PE/nat, PP/white and grey. POM/blue. |
| Cleanability: | Excellent. FSIS. |
| Accessories: | 25, 50, 75 and 100 mm flights. Extended and bend flights. 75 and 150 mm supported flights. 50, 75, 100 and 150 mm side guards. 50 mm comb flights. High-friction modules. |
| Application: | Dairy, vegetables, poultry, snacks, sweet goods and other industries that handle products requiring drainage and small openings. |
| Width interval: | 5 mm. e.g: 100 mm, 105 mm, 110 mm etc. |

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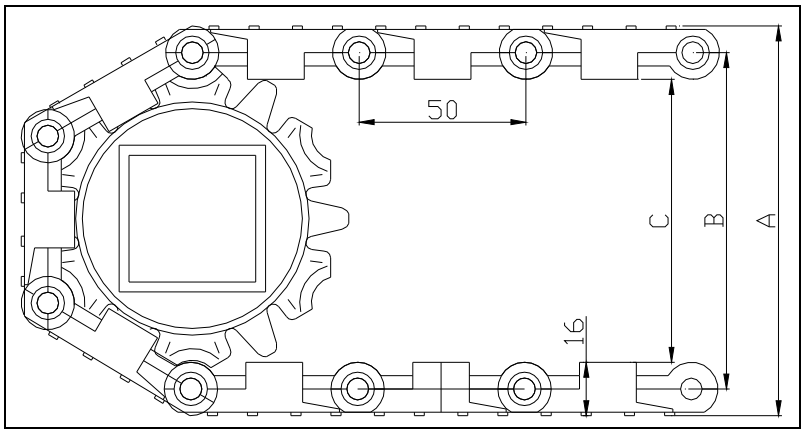
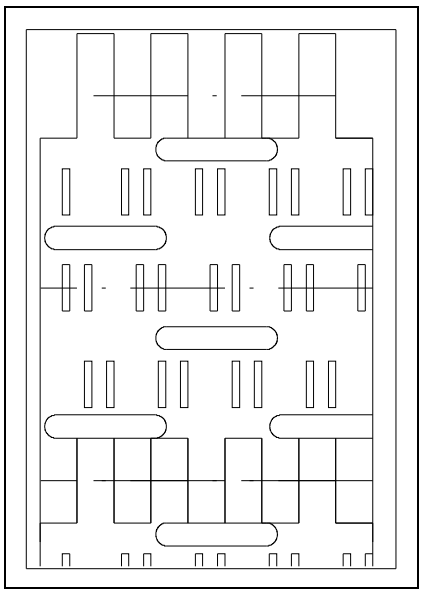
**(1:1)**

| Sprocket data | | | |
|---|---|---|---|
| No. of teeth Z | A= Outside diameter mm | B= Pitch diameter mm | C= Inside diameter mm |
| 6 | 118 | 101 | 85 |
| 8 | 150 | 133 | 117 |
| 10 | 181 | 164 | 148 |
| 12 | 212 | 195 | 179 |
| 16 | 276 | 259 | 243 |

| Hub specifications | | | | | |
|---|---|---|---|---|---|
| Hub width 40 mm | No. of teeth 6Z | 8Z | 10Z | 12Z | 16Z |
| Square bore mm. | 38x38<br>40x40 | 30x30<br>38x38<br>40x40 | 38x38<br>40x40<br>60x60<br>65x65 | 38x38<br>40x40<br>60x60<br>65x65 | 40x40<br>50x50<br>60x60<br>65x65<br>80x80 |
| Round bore mm. | ш25<br>ш30<br>ш40 | ш25<br>ш30<br>ш40 | ш30<br>ш40<br>ш50<br>ш60<br>ш80 | ш30<br>ш40<br>ш50<br>ш60<br>ш80 | ш60<br>ш80 |




# S. 50-630



| Belt data | | |
|---|---|---|
| Materials | Max. belt pull kg/m of width | Belt weight kg/m$^2$ |
| Polyethylene (PE) | 1790 | 7 |
| Polypropylene (PP) | 2400 | 7 |

Belt surface: Perforated flat top with 3 mm flights.
Open area: 9%. Biggest opening 1 x 6 mm.
Strength: The right belt for medium-heavy transportation.
Material/colour: PE/nat, PP/white and grey. POM/blue.
Cleanability: Excellent. FSIS.
Accessories: 25, 50, 75 and 100 mm flights. Extended and bend flights. 75 and 150 mm supported flights. 50, 75, 100 and 150 mm side guards. 50 mm comb flights. High-friction modules.
Application: Dairy, vegetables, poultry, snacks, sweet goods and other industries that handle products requiring drainage and small openings.
Width interval: 5 mm. e.g: 100 mm, 105 mm, 110 mm etc.

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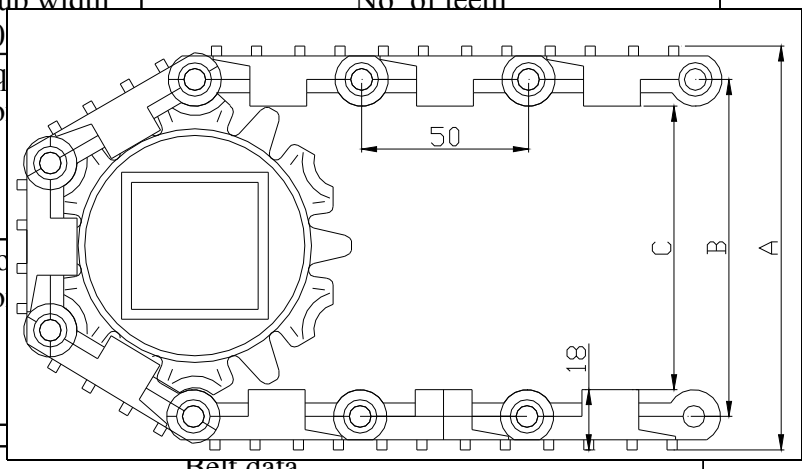
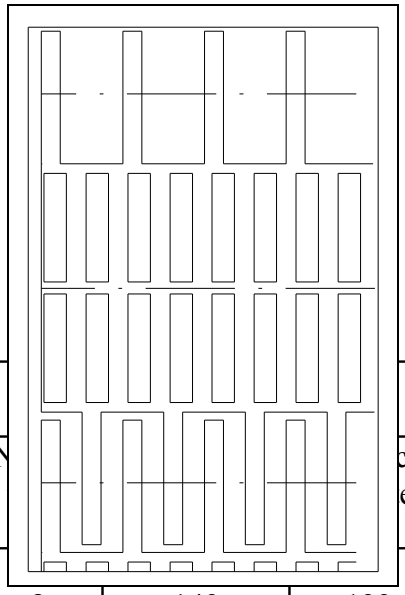
**(1:1)**

| Sprocket data | | | |
|---|---|---|---|
| No. of teeth Z | A= Outside diameter mm | B= Pitch diameter mm | C= Inside diameter mm |
| 6 | 123 | 101 | 85 |
| 8 | 155 | 133 | 117 |
| 10 | 186 | 164 | 148 |
| 12 | 217 | 195 | 179 |
| 16 | 281 | 259 | 243 |

| Hub specifications | |
|---|---|
| Hub width 40 | No. of teeth |
| Sq bo | |
| Ro bo | |




# S. 50-700



| Belt data | | |
|---|---|---|
| Materials | Max. belt pull kg/m of width | Belt weight kg/m$^2$ |
| Polyethylene (PE) | 810 | 5 |
| Polypropylene (PP) | 1490 | 5 |
| Polyacetal (POM) | 2235 | 8 |

| | |
|---|---|
| Belt surface: | Flat top. |
| Open area: | 45%. Biggest opening 3.5 x 14 mm. |
| Strength: | The right belt for medium-heavy transportation. |
| Material/colour: | PE/nat, PP/white and grey. POM/blue. |
| Cleanability: | Excellent. |
| Accessories: | 50, 75, 100 and 150 mm side guards. Hold-down. |
| Application: | Cooling/freezing belts for seafood, meat, bakery, vegetables, peeled shrimps and other industries that handle products requiring a large air-flow. |
| Width interval: | 12 mm. e.g: 24 mm, 36 mm, 48 mm etc. |

| N | ch |
|---|---|
| | er |
| 8 | 149 | 133 | |
| 10 | 180 | 164 | |
| 12 | 211 | 195 | |
| 16 | 275 | 259 | 243 |

| Hub specifications | | | | | |
|---|---|---|---|---|---|
| Hub width 40 mm | No. of teeth 6Z | 8Z | 10Z | 12Z | 16Z |
| Square bore mm. | 38x38<br>40x40 | 30x30<br>38x38<br>40x40 | 38x38<br>40x40<br>60x60<br>65x65 | 38x38<br>40x40<br>60x60<br>65x65 | 40x40<br>50x50<br>60x60<br>65x65<br>80x80 |
| Round bore mm. | ш25<br>ш30<br>ш40 | ш25<br>ш30<br>ш40 | ш30<br>ш40<br>ш50<br>ш60<br>ш80 | ш30<br>ш40<br>ш50<br>ш60<br>ш80 | ш60<br>ш80 |

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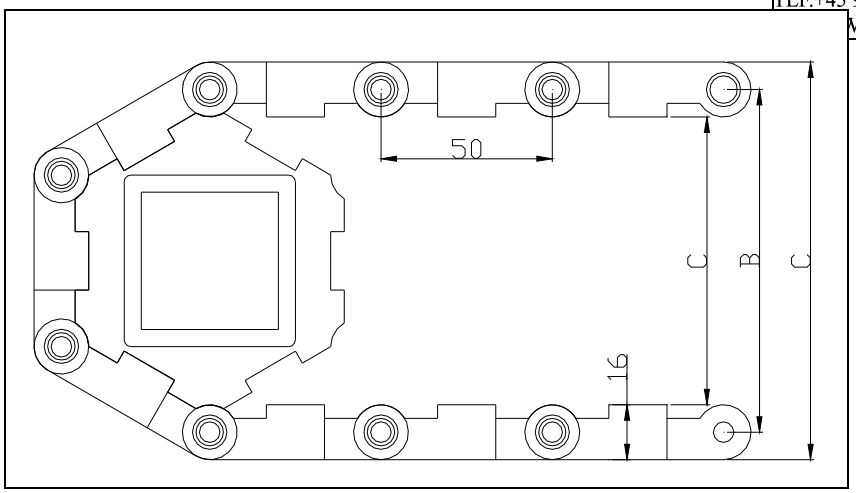
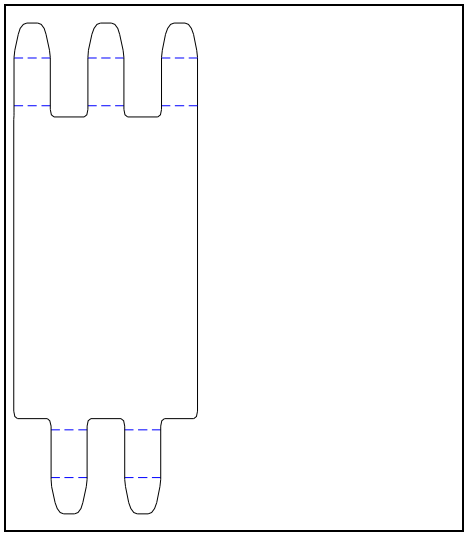



# S. 50-808



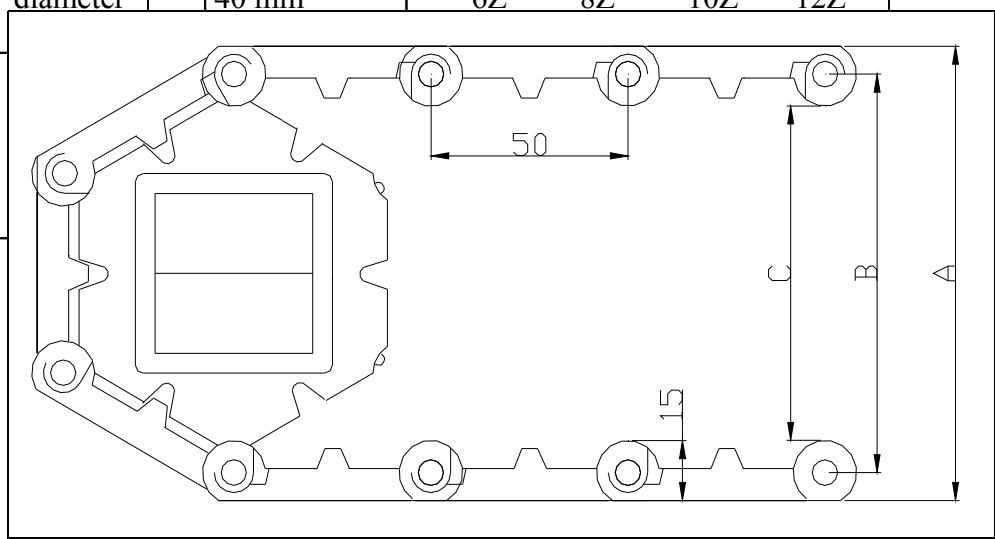
**(1:1)**

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

| | |
|---|---|
| Belt surface: | Flat top. |
| Open area: | Closed. |
| Strength: | The right belt for medium-heavy transportation. |
| Material/colour: | PE/nat, PP/white and grey. POM/blue. |
| Cleanability: | Excellent. FSIS. |
| Accessories: | 3, 25, 50, 75 and 100 mm flights. 75 and 150 mm supported flights. Extended and bend flights. 50, 75, 100 and 150 mm sideguards. Hold-down. Flights fitted with a 15 mm round top. |
| Application: | Red meat, seafood, poultry, dairy and vegetable industries and trimming lines in general. |
| Width interval: | 10 mm. e.g.: 100 mm, 110 mm, 120 mm etc. |

| Sprocket data | | | |
|---|---|---|---|
| No. of teeth Z | A= Outside diameter mm | B= Pitch diameter mm | C= Inside diameter |
| 6 | 117 | 103 | |
| 8 | 154 | 140 | |
| 10 | 178 | 164 | |
| 12 | 211 | 197 | |

| Hub specifications | | | | |
|---|---|---|---|---|
| Hub width 40 mm | No. of teeth 6Z | 8Z | 10Z | 12Z |



# S. 50-906

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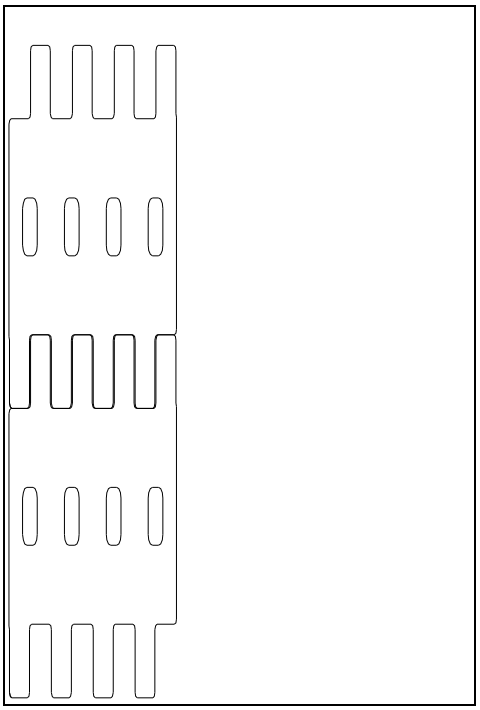
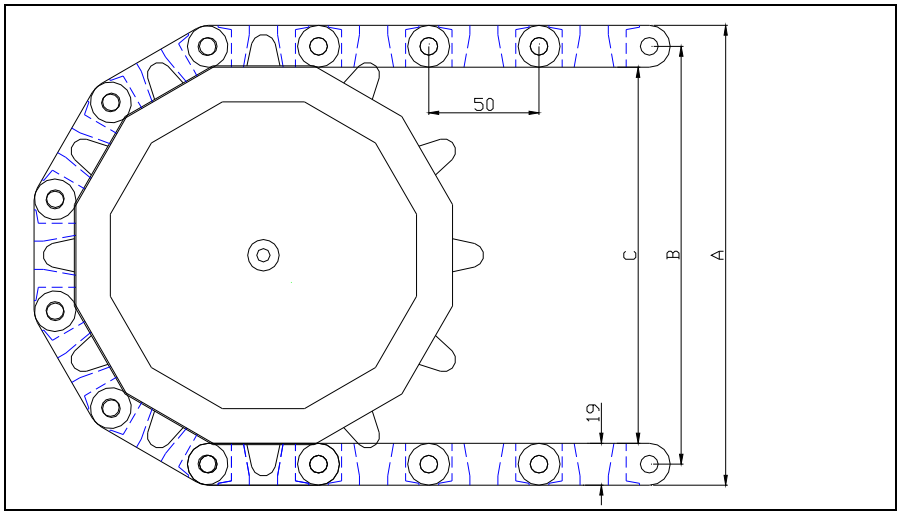


| Belt data | | |
|---|---|---|
| Materials | Max. belt pull kg/m of width | Belt weight $kg/m^2$ |
| Polyethylene (PE)<br>Polypropylene (PP)<br>Polyacetal (POM) | Min. 6000 | 14<br>14<br>20 |

| | |
|---|---|
| Belt surface: | Perforated flat top. |
| Open area: | 13 %. Biggest opening 7 x 11 mm. |
| Strength: | The right belt for very heavy applications. |
| Material/colour: | PP, POM/grey. |
| Cleanability: | Good. |
| Accessories: | 25 mm flight. |
| Application: | Very heavy transportation.<br>Assembling belt for cars.<br>Truck loading systems. |
| Width interval: | 20 mm. e.g: 100 mm, 120 mm, 140 mm etc. |

| Sprocket data | | | |
|---|---|---|---|
| No. of teeth Z | A= Outside diameter mm | B= Pitch diameter mm | C= Inside diameter mm |
| 12 | 210 | 191 | 172 |
| 18 | 307 | 288 | 269 |

| Hub specifications | | |
|---|---|---|
| Hub width 40 mm | No. of teeth 12Z | 18Z |
| Square bore mm. | 60x60<br>80x80<br>90x90 | 60x60<br>80x80<br>90x90 |
| Round bore mm. | ш40<br>ш60 | ш40<br>ш60 |



# S. 50-908

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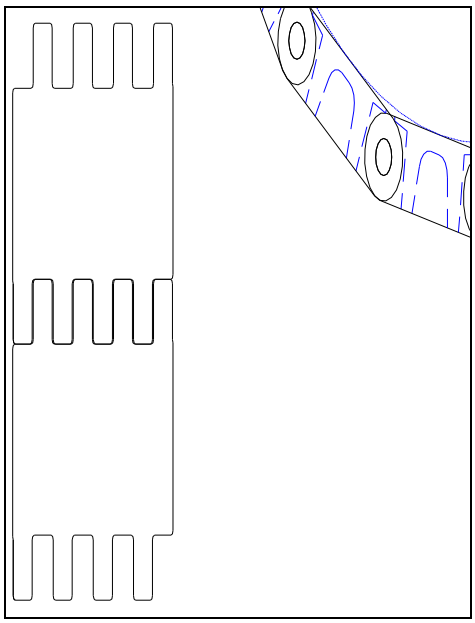
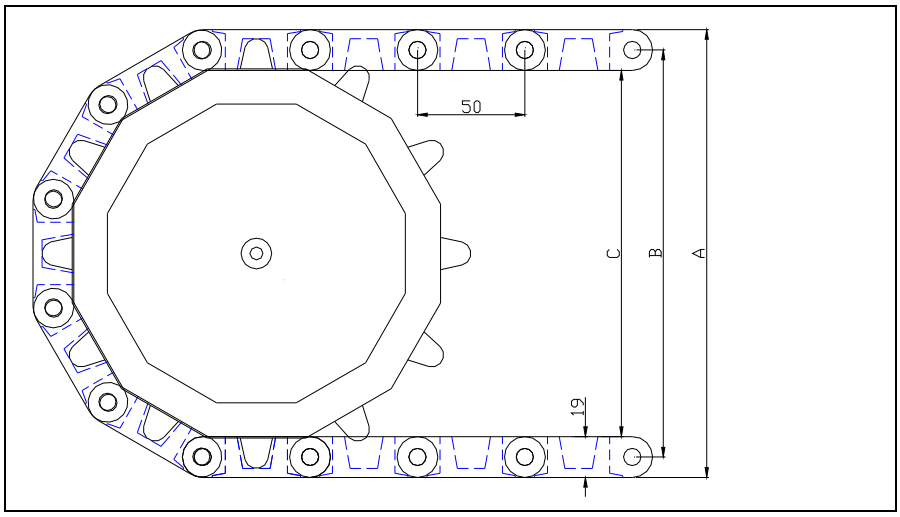


| Belt data | | |
|---|---|---|
| Materials | Max. belt pull kg/m of width | Belt weight $kg/m^2$ |
| Polyethylene (PE) | Min. 6000 | 14 |
| Polypropylene (PP) | | 14 |
| Polyacetal (POM) | | 20 |

Belt surface: Flat top.
Open area: Closed.
Strength: The right belt for very heavy applications.
Material/colour: PP, POM/grey.
Cleanability: Good.
Accessories: 25 mm flight.
Application: Very heavy transportation.
Assembling belt for cars.
Truck loading systems.
Width interval: 20 mm. e.g: 100 mm, 120 mm, 140 mm etc.

| Sprocket data | | | |
|---|---|---|---|
| No. of teeth Z | A= Outside diameter mm | B= Pitch diameter mm | C= Inside diameter mm |
| 12 | 210 | 191 | 172 |
| 18 | 307 | 288 | 269 |

| Hub specifications | | |
|---|---|---|
| Hub width 40 mm | No. of teeth 12Z | 18Z |
| Square bore mm. | 60x60 | 60x60 |
| | 80x80 | 80x80 |
| | 90x90 | 90x90 |
| Round bore mm. | ш40 | ш40 |
| | ш60 | ш60 |



# S. 50-930

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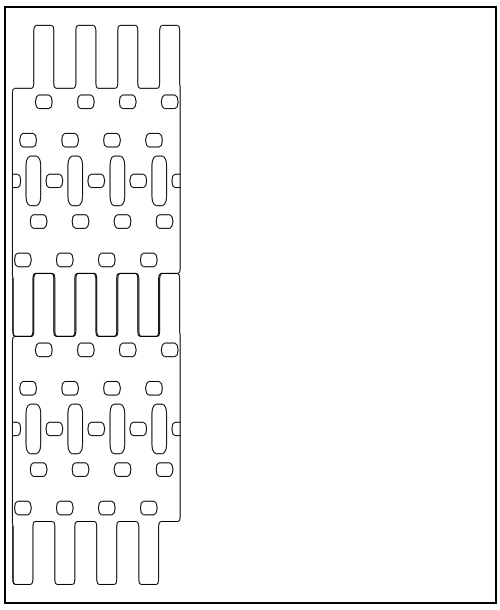
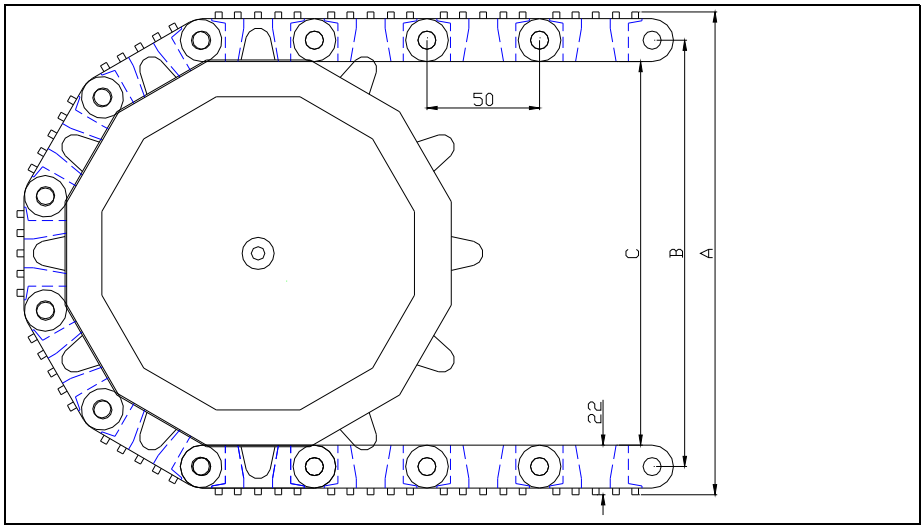


| Belt data | | |
|---|---|---|
| Materials | Max. belt pull kg/m of width | Belt weight kg/m$^2$ |
| Polyethylene (PE)<br>Polypropylene (PP)<br>Polyacetal (POM) | Min. 6000 | 14<br>14<br>20 |

Belt surface: Perforated flat top with 3 mm flights.
Open area: 13 %. Biggest opening 7 x 11 mm.
Strength: The right belt for very heavy applications.
Material/colour: PP, POM/grey.
Cleanability: Good.
Accessories: 25 mm flight.
Application: Very heavy transportation.
Assembling belt for cars.
Truck loading systems.
Width interval: 20 mm. e.g: 100 mm, 120 mm, 140 mm etc.

| Sprocket data | | | |
|---|---|---|---|
| No. of teeth Z | A= Outside diameter mm | B= Pitch diameter mm | C= Inside diameter mm |
| 12 | 210 | 191 | 172 |
| 18 | 307 | 288 | 269 |

| Hub specifications | | |
|---|---|---|
| Hub width 40 mm | No. of teeth 12Z | 18Z |
| Square bore mm. | 60x60<br>80x80<br>90x90 | 60x60<br>80x80<br>90x90 |
| Round bore mm. | ш40<br>ш60 | ш40<br>ш60 |



# S. 50-938

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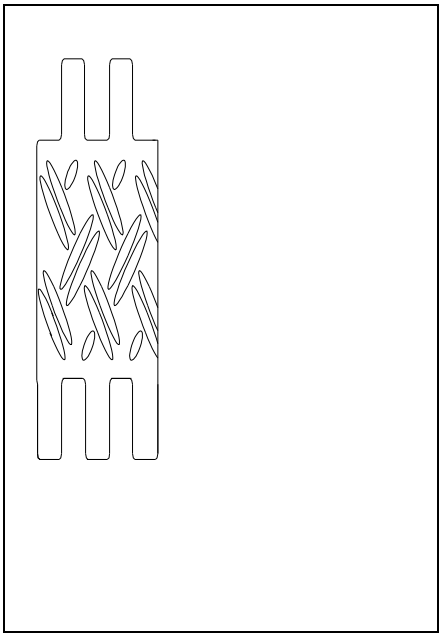


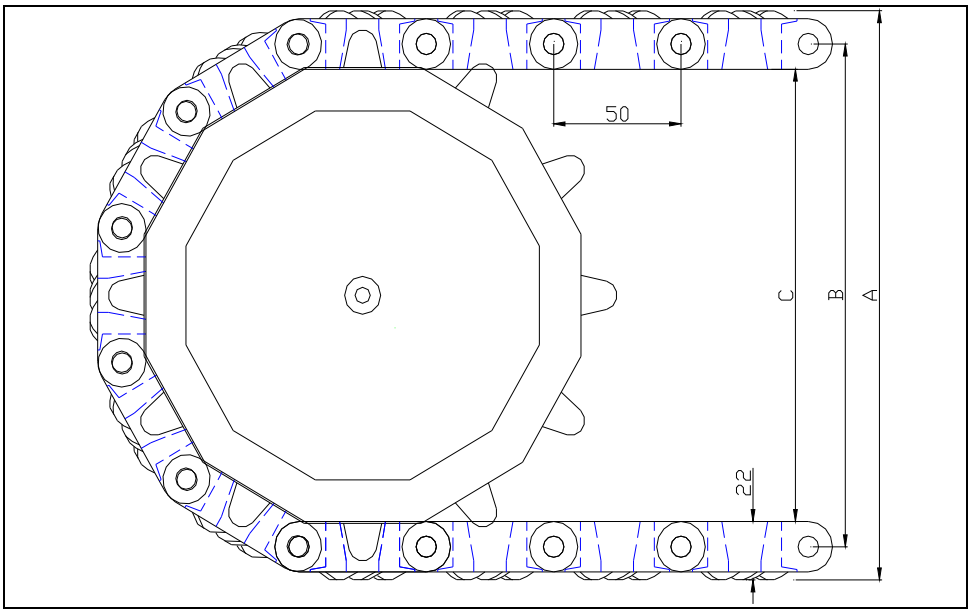
(1:1)

| Belt data | | |
|---|---|---|
| Materials | Max. belt pull kg/m of width | Belt weight kg/m$^2$ |
| Polyethylene (PE) | Min. 6000 | 14 |
| Polypropylene (PP) | | 14 |
| Polyacetal (POM) | | 20 |

Belt surface: Closed with 3 mm non skid pattern.
Open area: Closed.
Strength: The right belt for very heavy applications.
Material/colour: PP, POM/grey.
Cleanability: Good.
Accessories: 25 mm flight.
Application: Very heavy transportation.
Assembling belt for cars.
Truck loading systems.
Width interval: 20 mm. e.g: 100 mm, 120 mm, 140 mm etc.

| Sprocket data | | | |
|---|---|---|---|
| No. of teeth Z | A= Outside diameter mm | B= Pitch diameter mm | C= Inside diameter mm |
| 12 | 210 | 191 | 172 |
| 18 | 307 | 288 | 269 |

| Hub specifications | | |
|---|---|---|
| Hub width 40 mm | No. of teeth 12Z | 18Z |
| Square bore mm. | 60x60 | 60x60 |
| | 80x80 | 80x80 |
| | 90x90 | 90x90 |
| Round bore mm. | ш40 | ш40 |
| | ш60 | ш60 |



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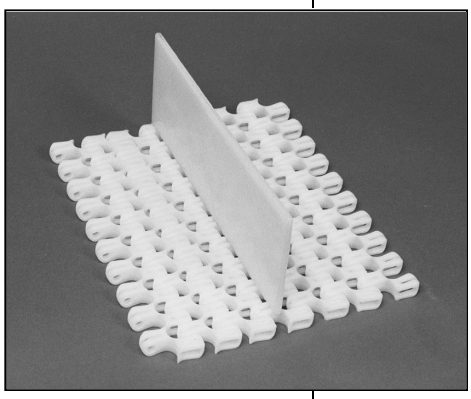
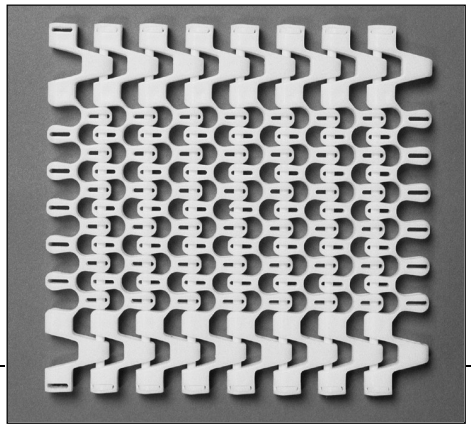
# 4. S-25 Radius Belt.

**Pitch 25 mm.**





# S. 100R

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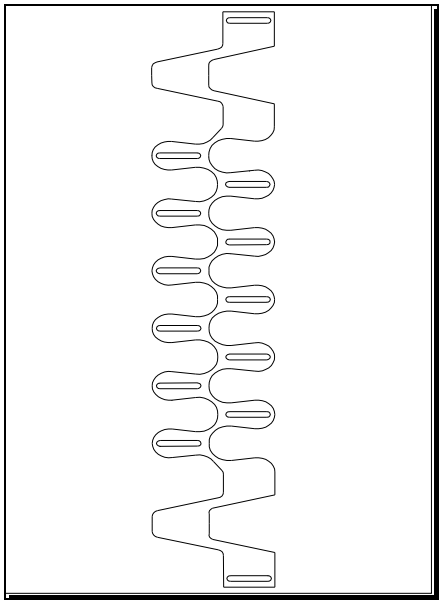
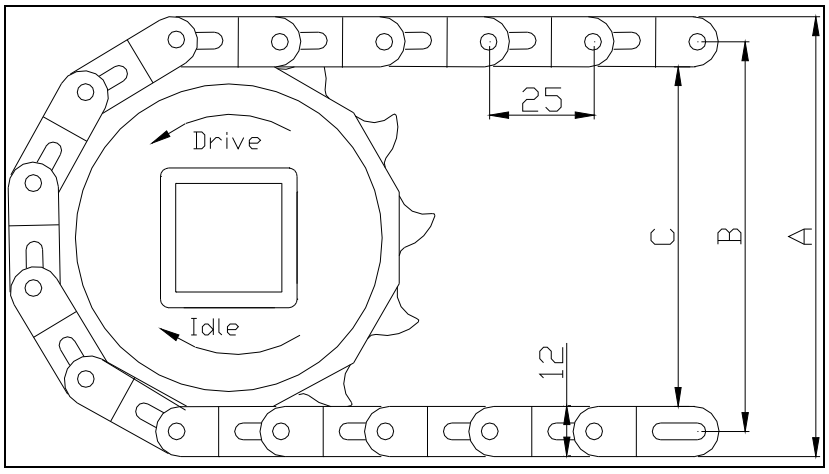


| Belt data. | | | |
|---|---|---|---|
| Belt material | Rods | Max. belt pull (kg). | Belt weight (kg/m2). |
| Polyacetal (POM) | PP<br>Nylon<br>Steel | 75<br>110<br>150 | 7<br>7<br>12 |
| Polypropylene (PP) | PP<br>Nylon<br>Steel | 60<br>90<br>100 | 4.5<br>4.5<br>9.7 |
| Steel reinforcements | Steel | 350 | 12 |

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

| Sprocket data | | | | |
|---|---|---|---|---|
| No. of teeth Z | A=Outside diameter mm | B= Pitch diameter mm | C= Inside diameter mm | Bore mm |
| 8 | 78 | 66 | 54 | ш20 – ш25 – 25x25 – 24x24x24 hex |
| 12 | 108 | 96 | 84 | ш20 – ш25 – ш30 – ш40 – 25x25 – 38x38 - 40x40 |
| 20 | 173 | 161 | 149 | ш25 – ш30 – ш40 – 25x25 – 38x38 - 40x40 |



# 25 mm. Radius belt dimensions.

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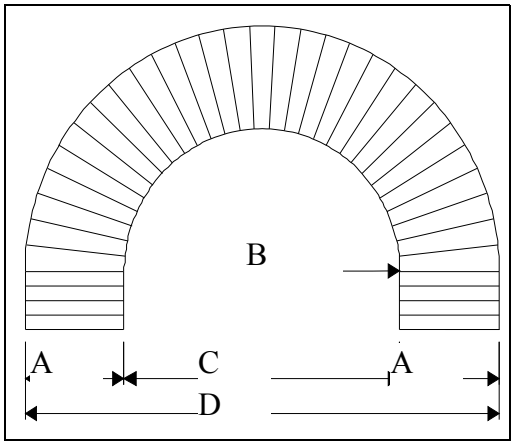
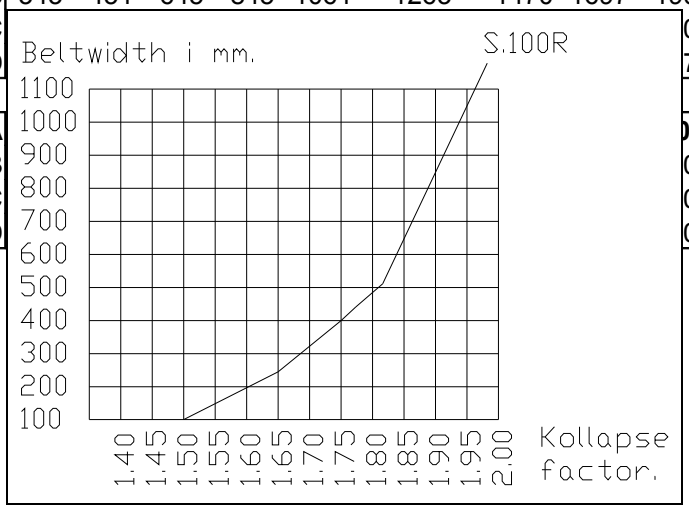



**A = Standard belt width**
**B = Inner radius**
**C = Inner diameter**
**D = Outer diameter**

| Standard width – Radius belts | | |
|---|---|---|
| **S – 100R** | **S – 100R** | **S – 100C** |
| 127 | 741 | 72 |
| 147 | 761 | 82 |
| 168 | **782** | 92 |
| 188 | 802 | **102** |
| **209** | 823 | 112 |
| 229 | 843 | 123 |
| 250 | 864 | 133 |
| **270** | **884** | 143 |
| 291 | 904 | 153 |
| 311 | 925 | 163 |
| 332 | 945 | 173 |
| 352 | 966 | 184 |
| **373** | **986** | 194 |
| 393 | 1007 | **204** |
| 413 | **1088** | 214 |
| 433 | 1190 | 224 |
| 453 | 1210 | 234 |
| **475** | **1294** | 244 |
| 495 | 1314 | **255** |
| 516 | | 265 |
| 536 | | 275 |
| 557 | | 285 |
| **577** | | 295 |
| 598 | | **305** |
| 618 | | 315 |
| 638 | | 326 |
| 659 | | 336 |
| **679** | | 346 |
| 699 | | **356** |
| 720 | | 366 |

**S-100R**

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **A** | **209** | **270** | **373** | **475** | **577** | **679** | **782** | **884** | **986** | **1088** |
| **B** | 343 | 451 | 645 | 845 | 1061 | 1263 | 1470 | 1697 | 1903 | 2143 |
| **C** | | | | | | | | | 06 | 4286 |
| **D** | | | | | | | | | 78 | 6462 |
| | | | | | | | | | | |
| **A** | | | | | | | | | 01 | **1002** |
| **B** | | | | | | | | | 02 | 2004 |
| **C** | | | | | | | | | 04 | 4008 |
| **D** | | | | | | | | | 06 | 6012 |




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

Min. inner radius = collapse factor x belt width.

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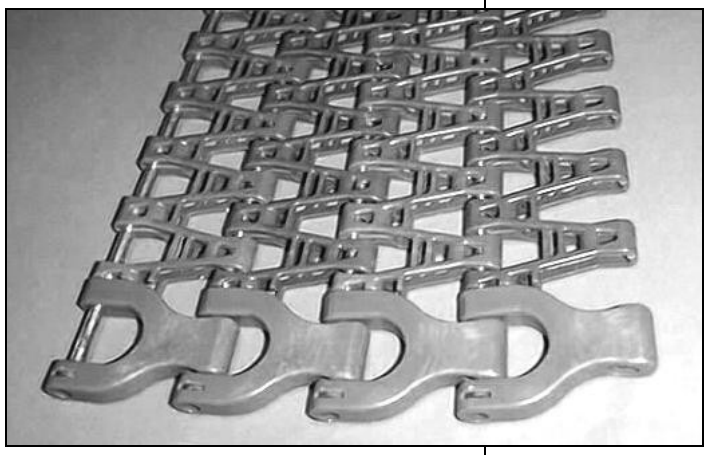
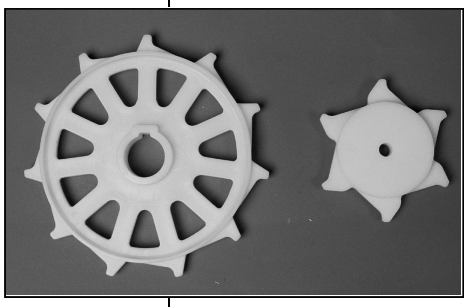
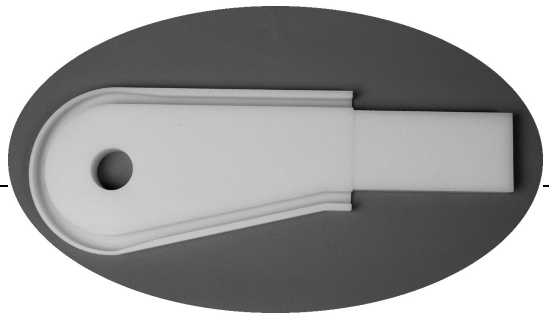
# 5. S-50 Radius Belt

**Pitch 50 mm.**







# S. 250

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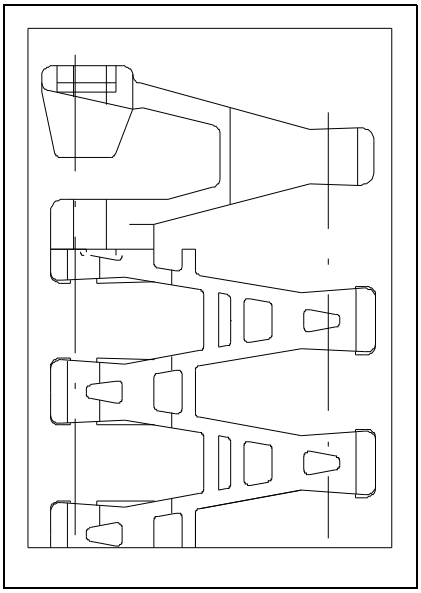
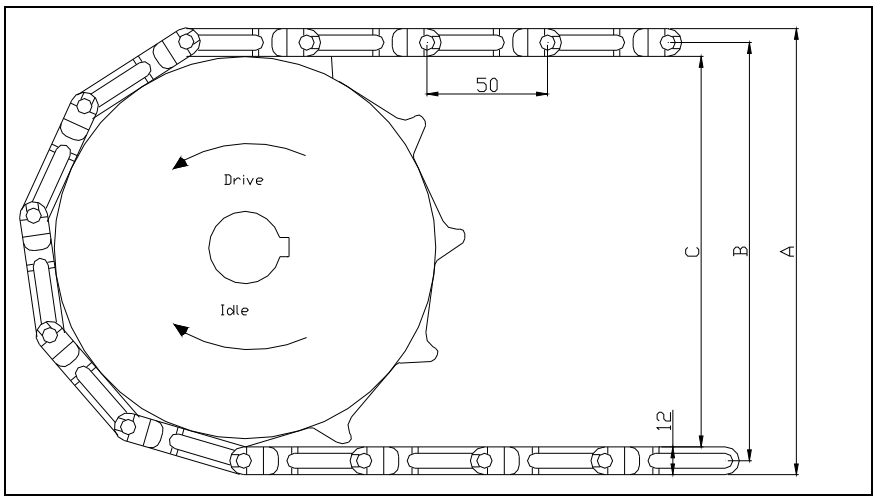


| Belt data | | |
|---|---|---|
| Materials | Max. belt pull kg | Belt weight kg/m$^2$ |
| Polyacetal (POM) | 250 | 9 |
| Polypropylene (PP) | 140 | 7,5 |

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

| Sprocket data | | | | |
|---|---|---|---|---|
| No. of teeth Z | A= Outside diameter mm | B= Pitch diameter mm | C= Inside diameter mm | Bore mm |
| 11-POM | 189 | 177 | 166 | 30 |
| 11-POM | 189 | 177 | 166 | 40 |
| 11-POM | 189 | 177 | 166 | 45 |
| 11-POM | 189 | 177 | 166 | 40x40 |
| 11-steel | 189 | 177 | 166 | flex. |



# S. 251

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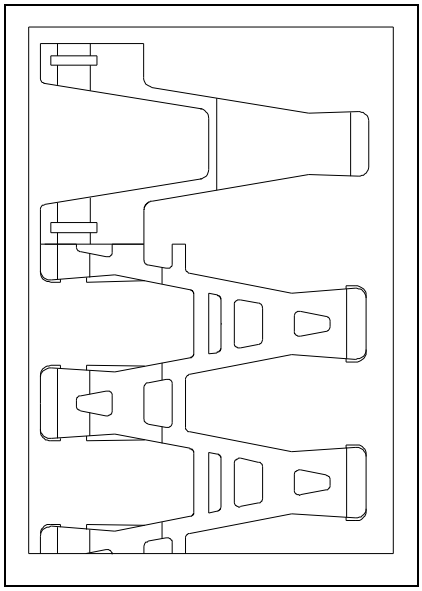
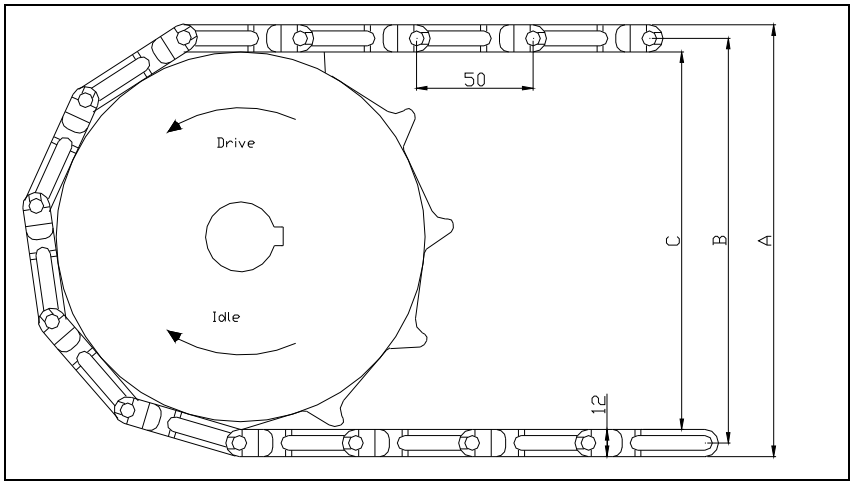


| Belt data | | |
|---|---|---|
| Materials | Max. belt pull kg | Belt weight kg/m$^2$ |
| Polyacetal (POM) | 250 | 9 |
| Polypropylene (PP) | 140 | 7,5 |

| | |
|---|---|
| Belt surface: | Smooth. |
| Open area: | 67 % |
| Strength: | An ideal choice for light transportation. |
| Material/colour: | POM, PP |
| Cleanability: | Good |
| Accessories: | 3 mm flight buds made in friction material or POM/PP. |
| Application: | Spiral coolers, radius conveyors. |
| Construction: | 44 mm side modules, 200 mm centre modules. |
| Width interval: | Normal 33 mm. E.g: 84 mm, 117 mm, 150 mm etc. Contact Scanbelt. |

| Sprocket data | | | | |
|---|---|---|---|---|
| No. of teeth Z | A= Outside diameter mm | B= Pitch diameter mm | C= Inside diameter mm | Bore mm |
| 6-POM | 116 | 104 | 92 | flex. |
| 11-POM | 189 | 177 | 166 | 30 |
| 11-POM | 189 | 177 | 166 | 40 |
| 11-POM | 189 | 177 | 166 | 45 |
| 11-POM | 189 | 177 | 166 | 40x40 |
| 11-steel | 189 | 177 | 166 | flex. |



# J. 450

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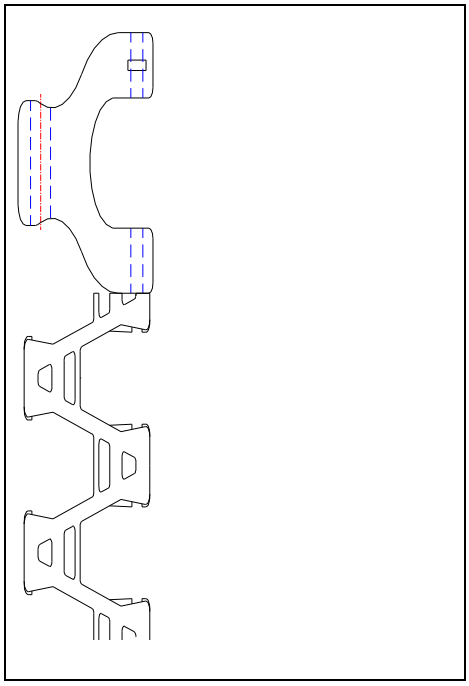
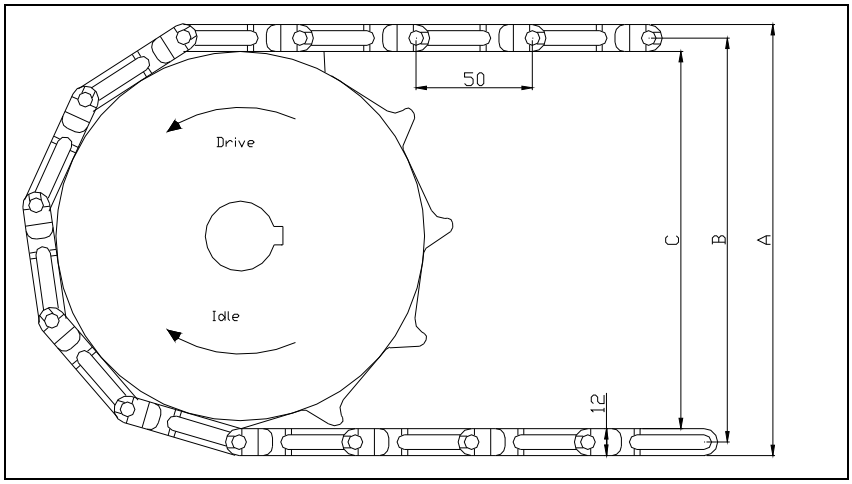


| Belt data | | |
|---|---|---|
| Material | Max. belt pull kg | Belt weight kg/m$^2$ |
| Polyacetal (POM) | 450 | 9 |

Belt surface: Smooth.
Open area: 67 %
Strength: The right belt for heavy transportation.
Material/colour: POM
Cleanability: Good.
Accessories: 3 mm flight buds made in friction material or POM.
Application: Spiral coolers, radius conveyors. It can only turn in one direction.
Construction: 47/50 mm side modules, 200 mm centre modules.
Width interval: Normal 33 mm. E.g: 95 mm, 128 mm, 162 mm etc. Contact Scanbelt.

| Sprocket data | | | | |
|---|---|---|---|---|
| No. of teeth Z | A= Outside diameter mm | B= Pitch diameter mm | C= Inside diameter mm | Bore mm |
| 6-POM | 116 | 104 | 92 | flex. |
| 11-POM | 189 | 177 | 166 | 30 |
| 11-POM | 189 | 177 | 166 | 40 |
| 11-POM | 189 | 177 | 166 | 45 |
| 11-POM | 189 | 177 | 166 | 40x40 |
| 11-steel | 189 | 177 | 166 | flex. |



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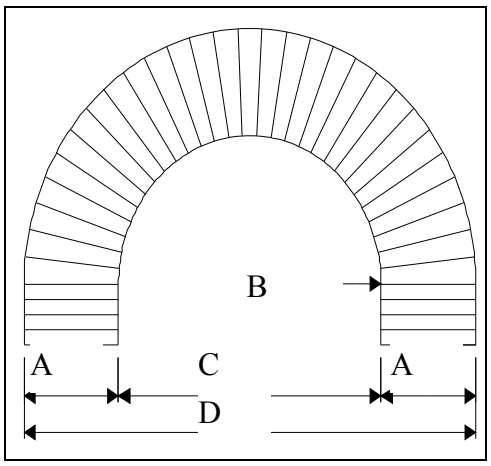
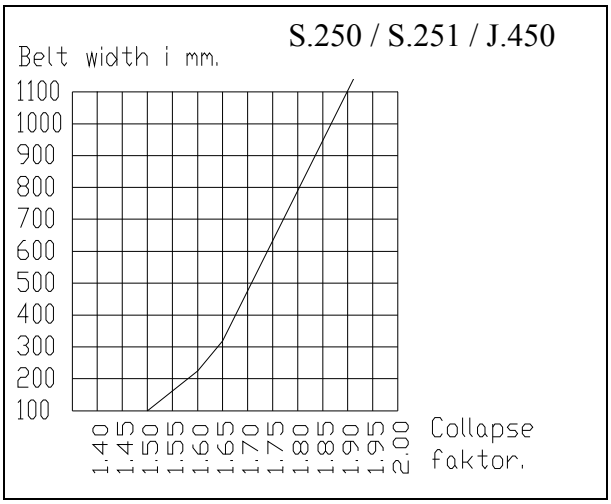
# 50 mm. Radius belt dimensions.




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

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | **S-250** | | | | | | | | | |
| **A** | **186** | **288** | **388** | **490** | **590** | **695** | **795** | **895** | **995** | **1095** |
| **B** | 267 | 429 | 594 | 769 | 950 | 1150 | 1346 | 1551 | 1765 | 1988 |
| **C** | 534 | 858 | 1188 | 1538 | 1900 | 2300 | 2692 | 3102 | 3530 | 3976 |
| **D** | 906 | 1434 | 1964 | 2518 | 3080 | 3690 | 4282 | 4892 | 5520 | 6166 |
| | **S-251** | | | | | | | | | |
| **A** | **92** | **192** | **294** | **394** | **496** | **596** | **701** | **801** | **901** | **1001** |
| **B** | 129 | 278 | 438 | 603 | 794 | 983 | 1185 | 1362 | 1559 | 1772 |
| **C** | 258 | 556 | 876 | 1206 | 1588 | 1966 | 2370 | 2724 | 3118 | 3644 |
| **D** | 442 | 940 | 1464 | 1994 | 2580 | 3158 | 3772 | 4326 | 4920 | 5546 |
| | **J-450** | | | | | | | | | |
| **A** | **95** | **195** | **296** | **396** | **498** | **600** | **701** | **802** | **903** | **1003** |
| **B** | 133 | 283 | 444 | 614 | 797 | 960 | 1157 | 1364 | 1562 | 1775 |
| **C** | 266 | 566 | 888 | 1228 | 1594 | 1920 | 2314 | 2728 | 3124 | 3550 |
| **D** | 456 | 956 | 1480 | 2020 | 2560 | 3120 | 3716 | 4332 | 4930 | 5556 |

| **Standard width - Radius Belts** | | |
|---|---|---|
| **S-250** | **S-251** | **J-450** |
| - | **92** | **95** |
| 119 | 125 | 128 |
| 152 | 159 | 162 |
| **186** | **192** | **195** |
| 219 | 226 | 229 |
| 252 | 259 | 262 |
| **288** | **293** | **296** |
| 321 | 326 | 329 |
| 523 | 529 | 532 |
| 556 | 563 | 566 |
| **590** | **597** | **600** |
| 656 | 630 | 633 |
| **695** | 664 | 667 |
| 728 | 698 | **701** |
| 761 | 731 | 734 |
| **795** | 765 | 768 |
| 828 | 799 | **802** |
| 861 | 832 | 835 |
| **895** | 866 | 869 |
| **995** | **900** | **903** |
| **1095** | **1000** | **1003** |
| **1195** | **1100** | **1103** |
| **1295** | **1200** | **1203** |
| **1395** | **1300** | **1303** |
| | **1400** | **1403** |




Collapse factor = min. inner radius / belt width

Min. inner radius = collapse factor x belt width

**Note: Belts width steel reinforcements**
**S.250 – S.251: + 5 mm.**

# Frame measurements for Radius belt

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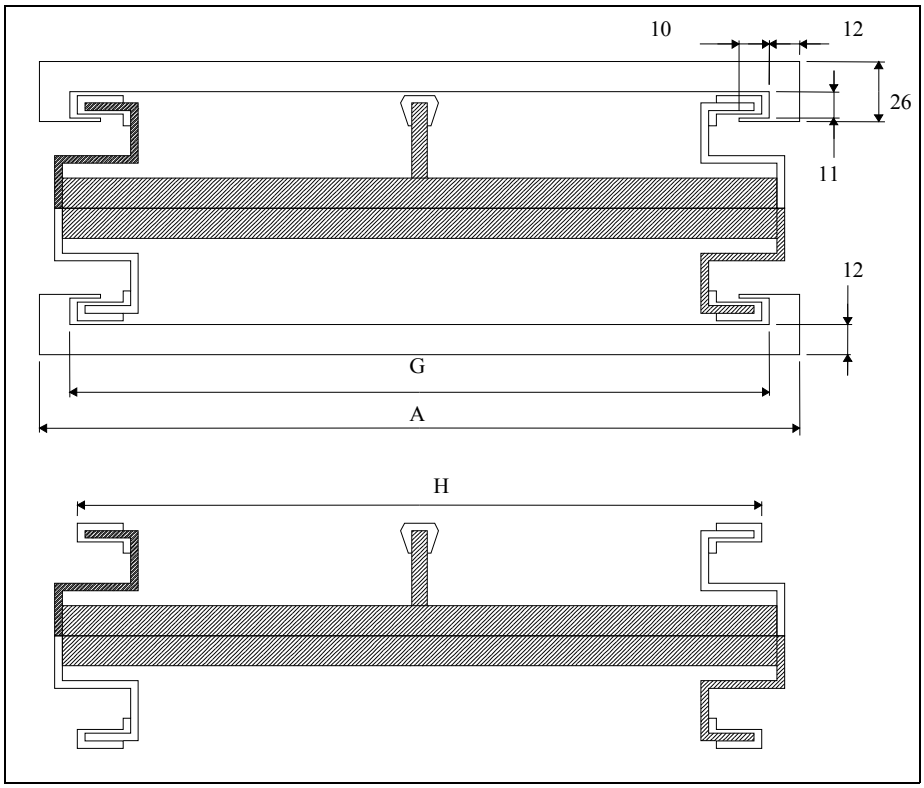
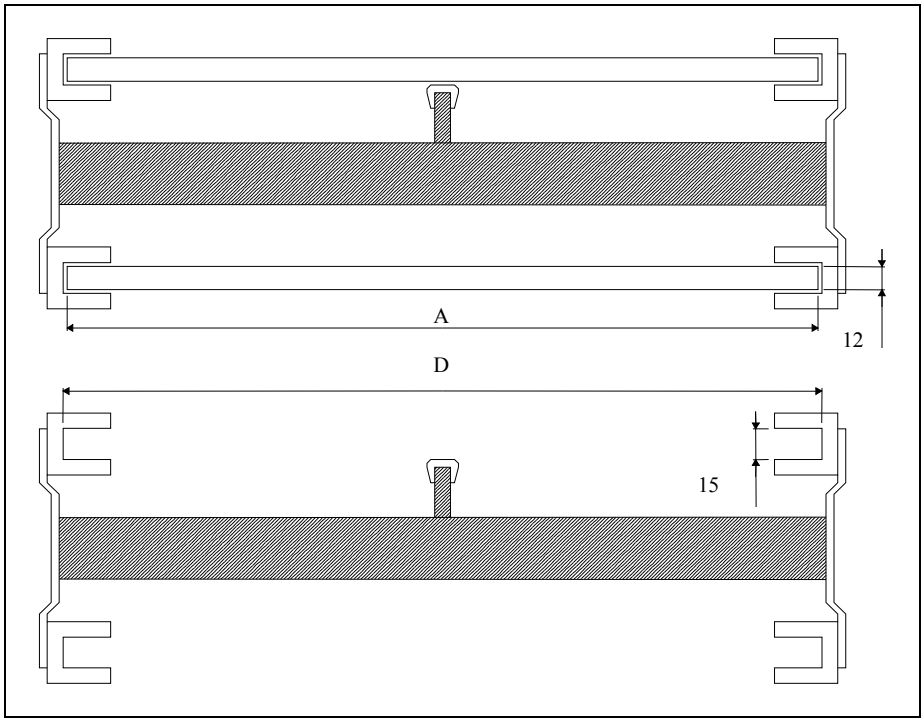
## Frame measurements for Radius belt S-250

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




## Frame measurements for Radius belt S-100 / S-251 / J-350

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



# Hook measurement for S.100

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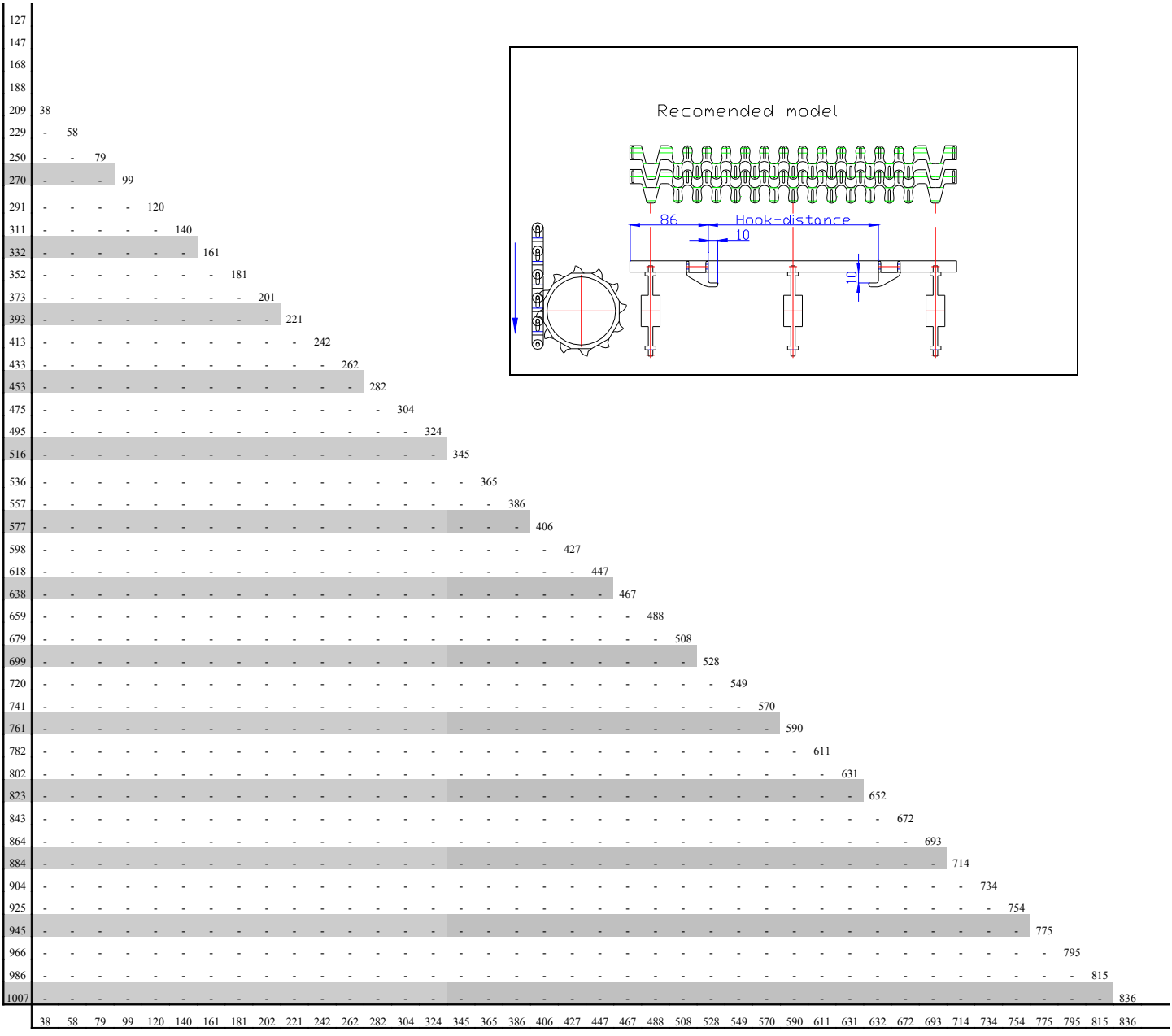
**For hooks turned outside – see next page!!!**

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

Belt width



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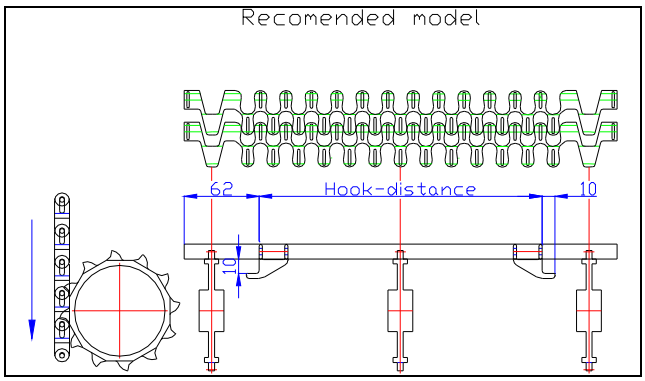
## Hook measurement for S.100 continued…

**For hooks turned indside – see previous page!!!**

## 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 |

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# Installation instructions curved 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 wheels should be locked so that they cannot move sideways.
Contrary to the drive wheels, the non-driven wheels 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 chance 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 n belt rising immediately after the drive unit, a take-up roller may be necessary. On short belts, tightening to a single elementr's excess length may be sufficient.
An "accumulation" of the belt must never occur at the drive wheels.

**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

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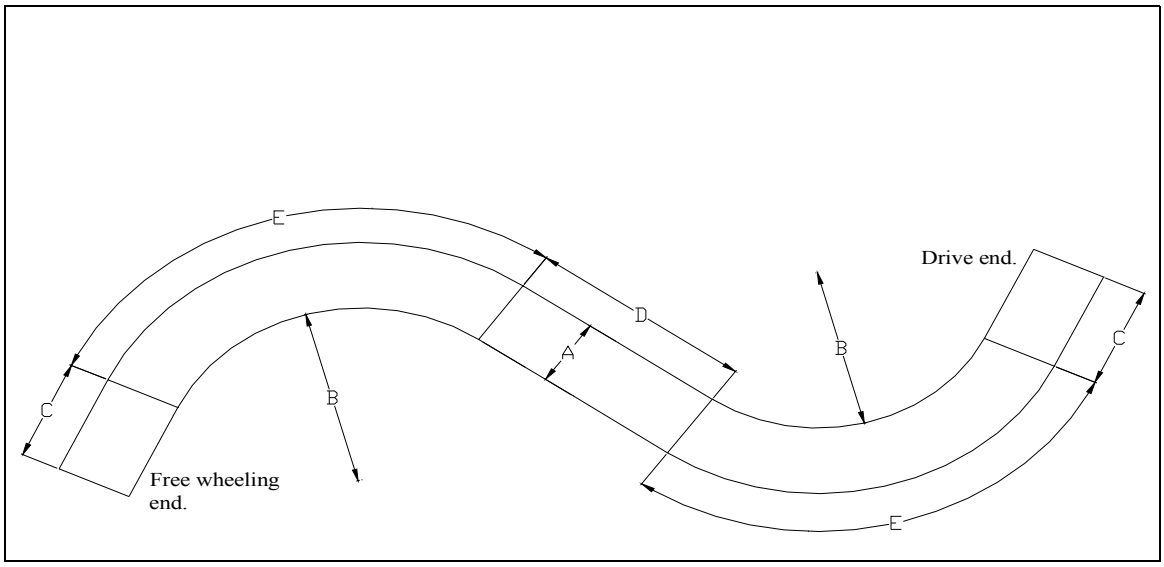



Radius Belt example 90º S-curve.

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

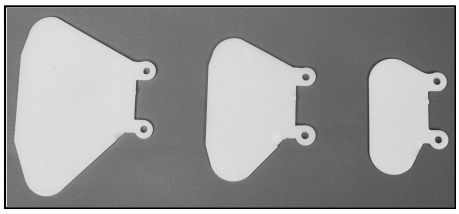
Calculation example

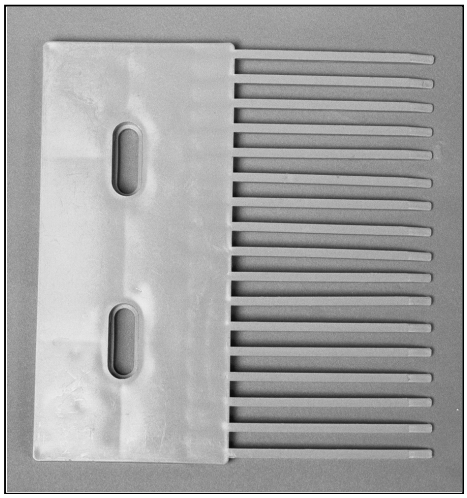
Belt width 421 mm - 2 pcs. 90o turning radius.
Collapse factor = 1,6

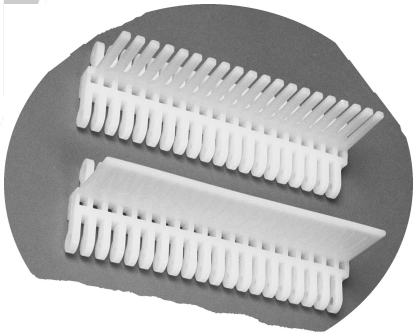
B = 421 (A) x 1,6 = 674 mm.
C = min. 421 mm.
D = min. 842 mm.
E = $\frac{(B + A) \times 3,14}{4}$ = 860 mm

Total length c/c = (2 x C) + D + (2 x E) = 3404 mm.

# 6. Accessories.







# Accessories S. 25.100-600-700

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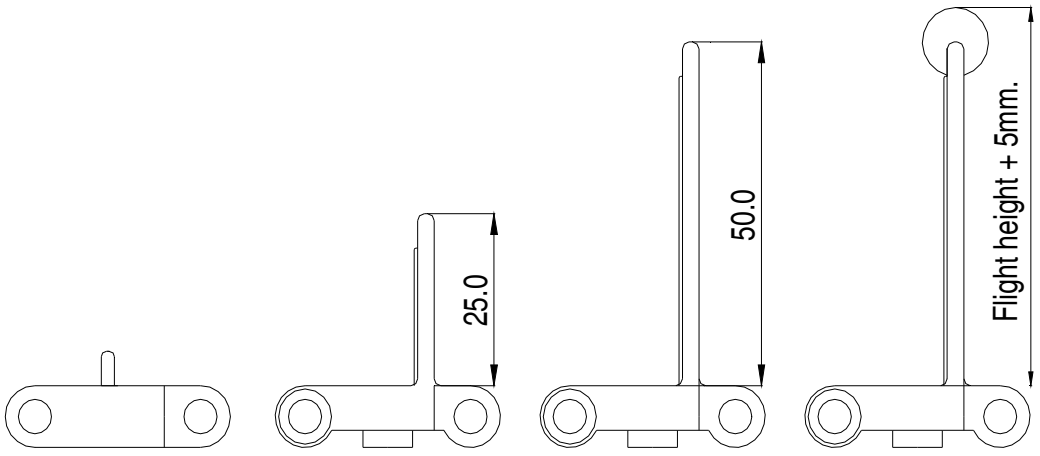
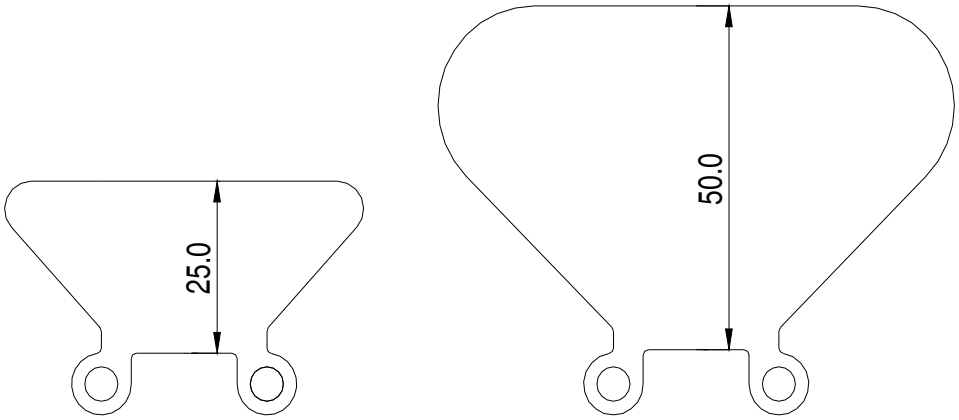



5mm. flight. Standard heights on flights. Flight with round top.




Standard heights on side guards.

# Accessories S. 25.400-408-800

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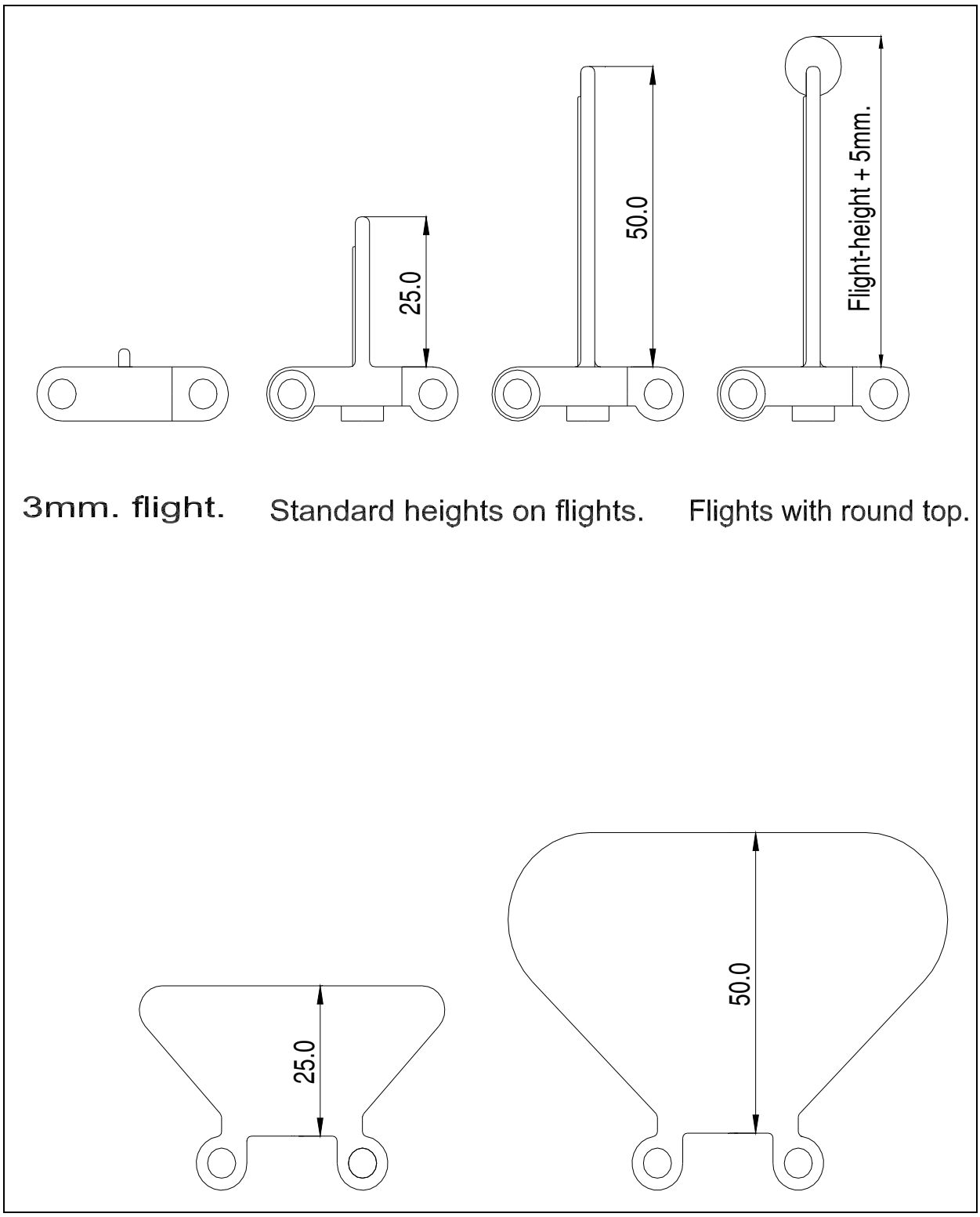

# Accessories S. 50

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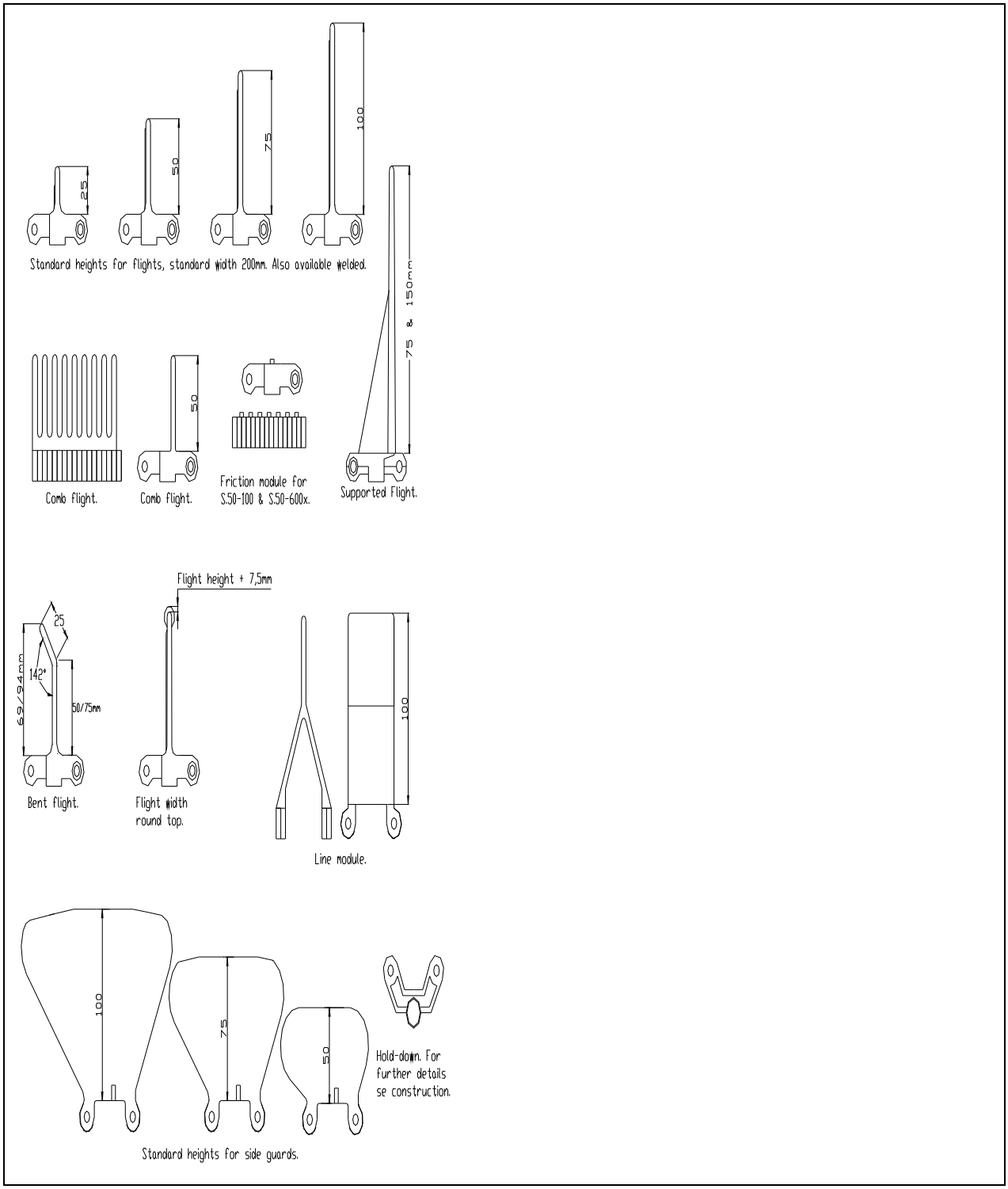

# Accessories radius belt S. 100

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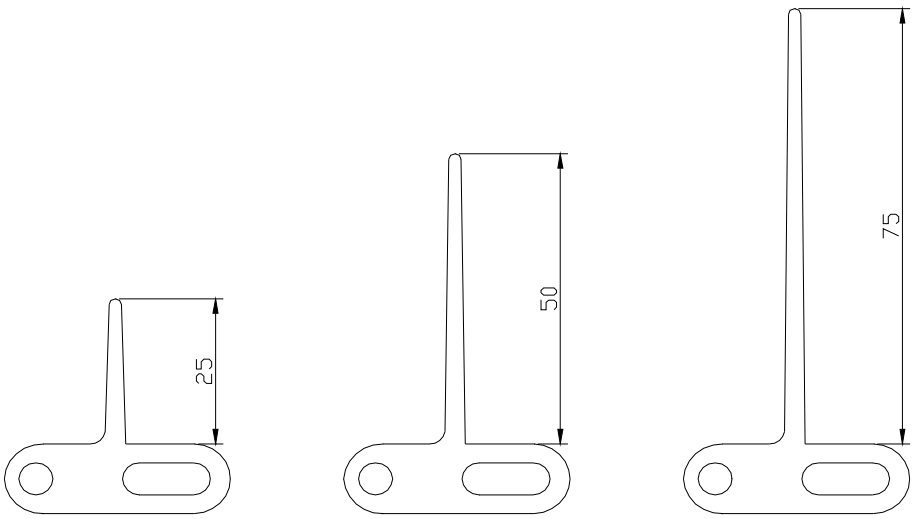
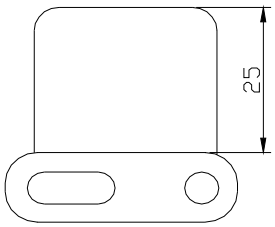
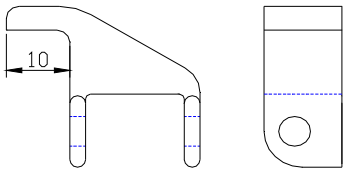


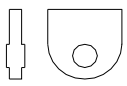

Standard heights on flights.



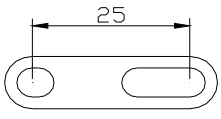

Standard height on side guard.




Hold-down.



Lock.




Steel reinforcement.

# Accessories radius belt

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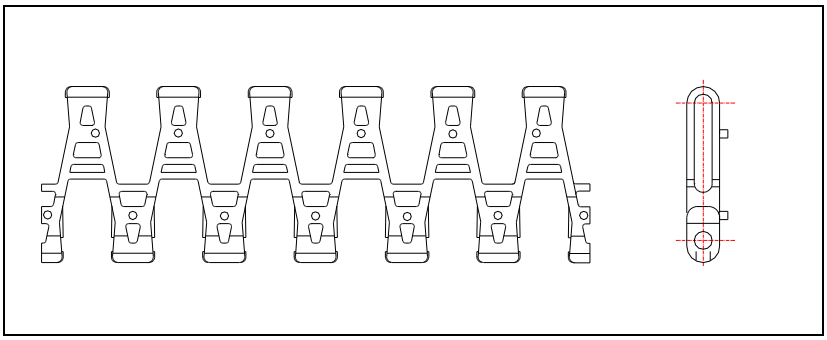
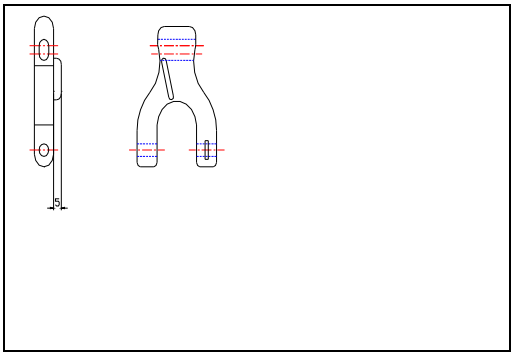
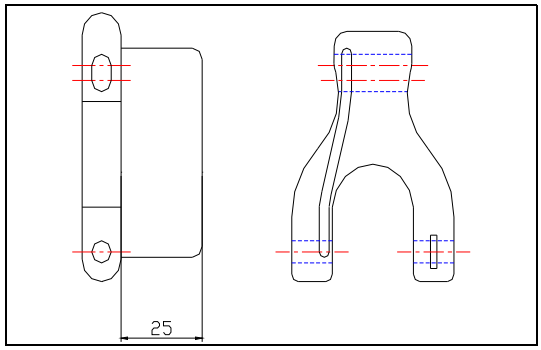
3 mm flight made in friction material or POM/PP/friction.



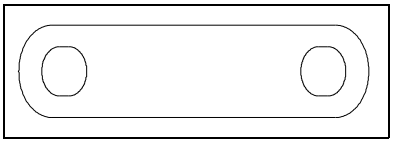
5 mm side guard J-450



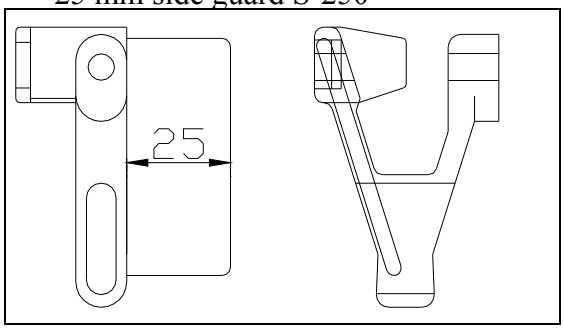
25 mm side guard J-450



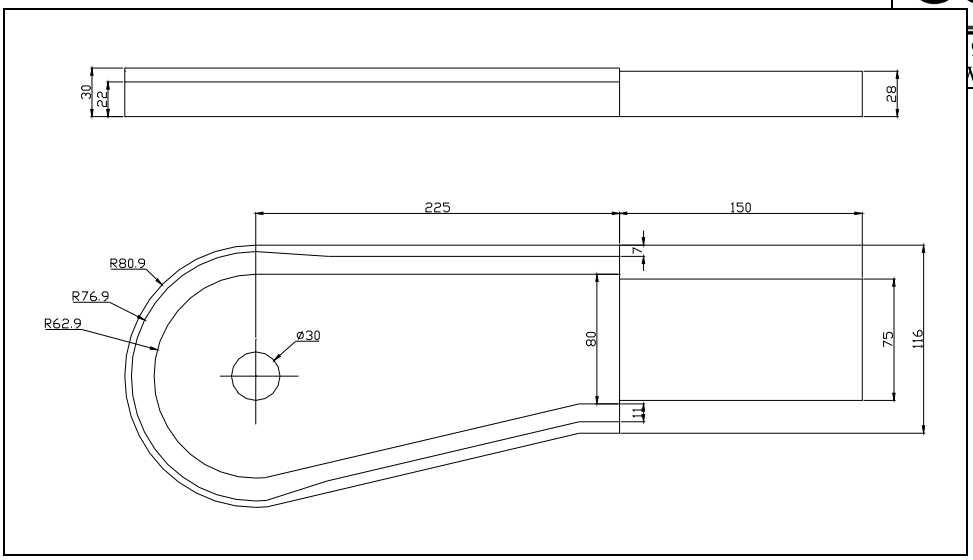

Steel reinforcement S-250



25 mm side guard S-250




Turning shoe S-250




**Turning shoe S-250**

# Spare parts for radius belts

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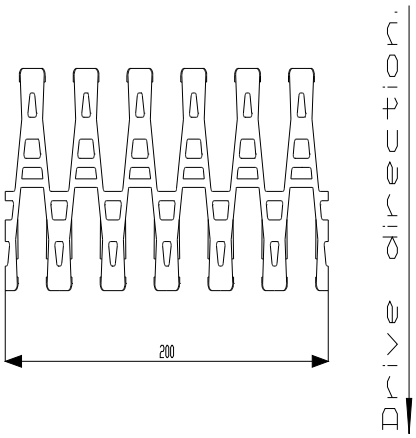
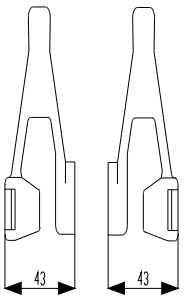
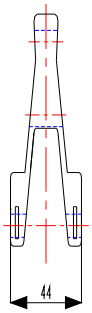
Centre Module

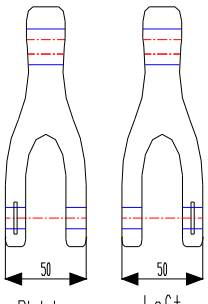


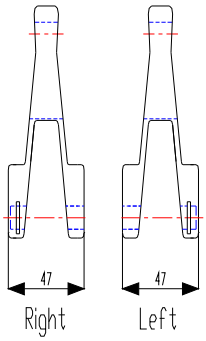

S-250 Outer Module




S-251 Outer module
Left and Right




J-450 Outer Module




J-450 Inner Module for
Spiral-Belts, closed

# Finger transfer plates

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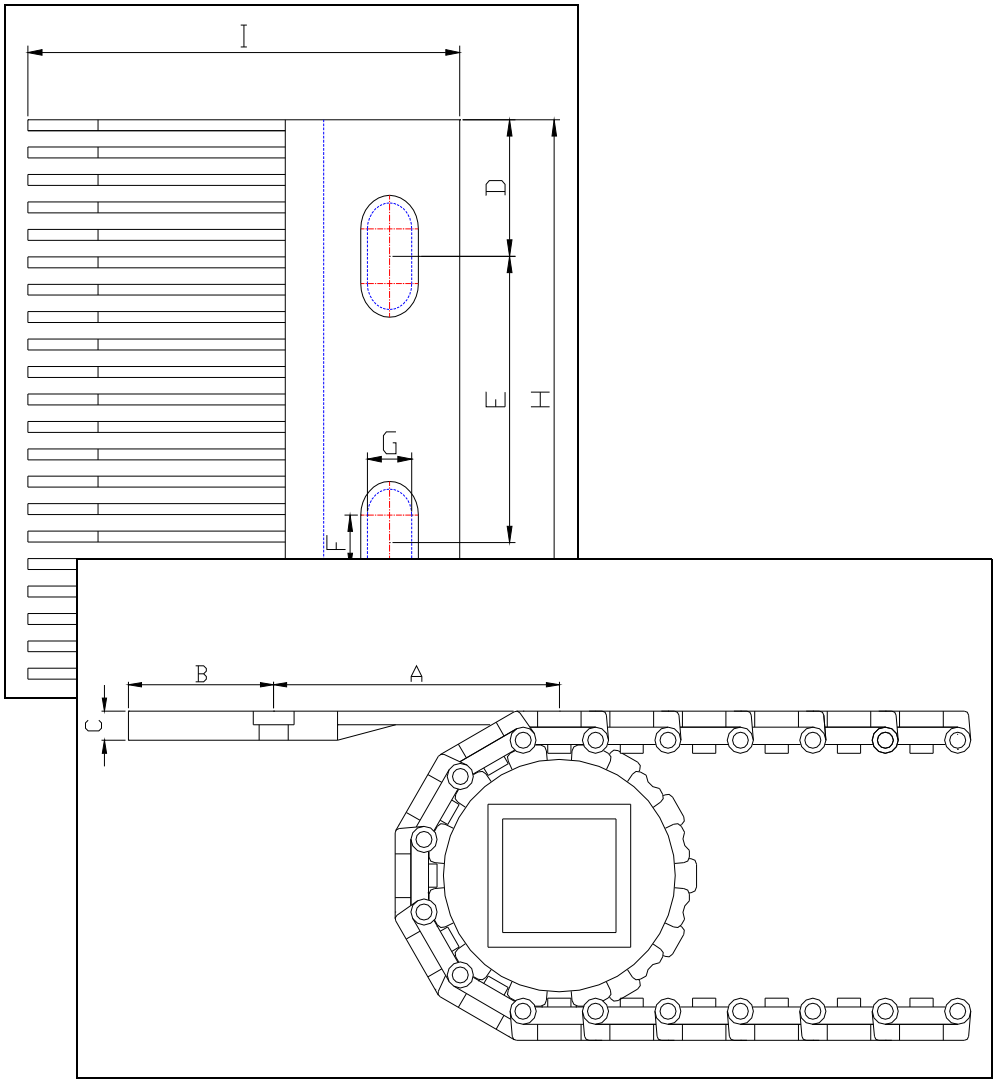
| Dimensions in mm. | | | |
|---|---|---|---|
| | S. 25-200 | S. 25-420 | S. 50 |
| A | 86 | 75 | 98 |
| B | 32 | 18 | 50 |
| C | 10 | 5 | 10 |
| D | 57 | 25 | 57 |
| E | 87 | 52 | 87 |
| F | 31 | | 31 |
| G | 9,5 | 9,5 | 9,5 |
| H | 200 | 102 | 200 |
| I | 188 | 92 | 280 |



# Wearstrips

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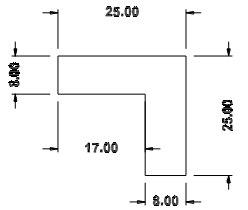
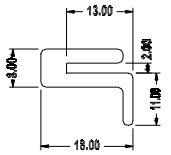
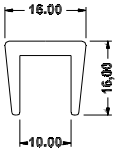


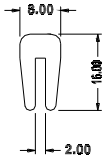
25 mm angle profile.



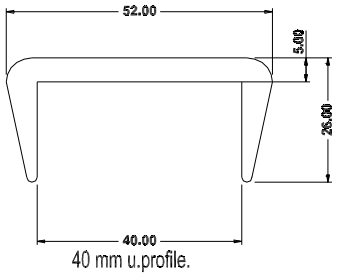
13 mm angle profile.



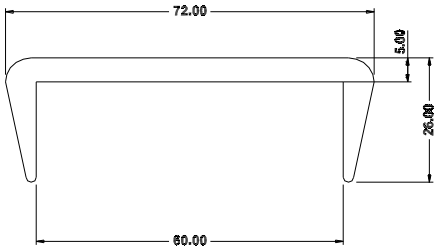
10mm. u profile.



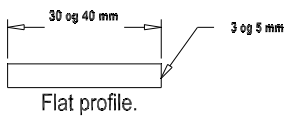
2 mm u.profile.



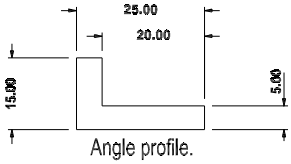
40 mm u.profile.



60 mm u.profile.



Flat profile.



Angle profile.

Materials: PEHD 300

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# 7. Construction and Installation instruction.

A: Construction
B: Construction examples
C: Thermal extencion/contraction
D: Material description
E: Chemical resistance
F: Installation and maintenance
G: Malfunctioning
H: Calculation af motorpower

# Construction (A)

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**Construction of conveyors using ScanBelt modular belts**

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

There are 3 diagrams illustrating horizontal conveyor systems.

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

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

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

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Fig. 1

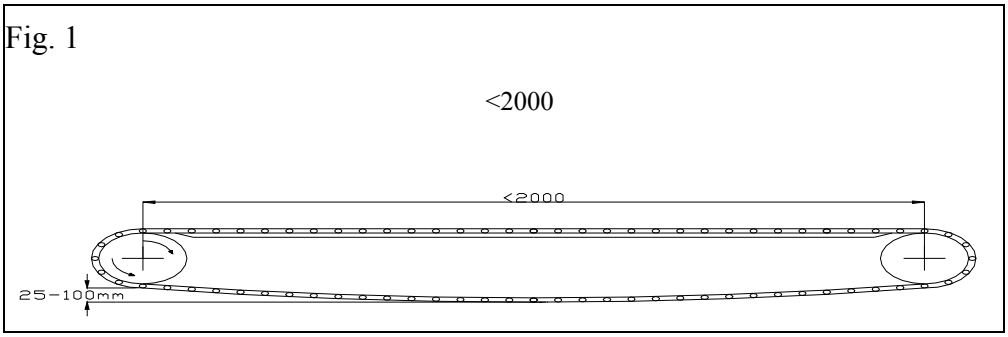



Fig. 2

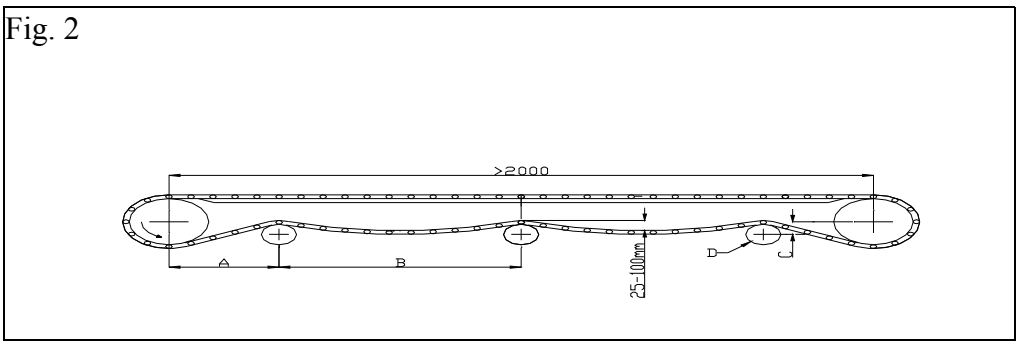
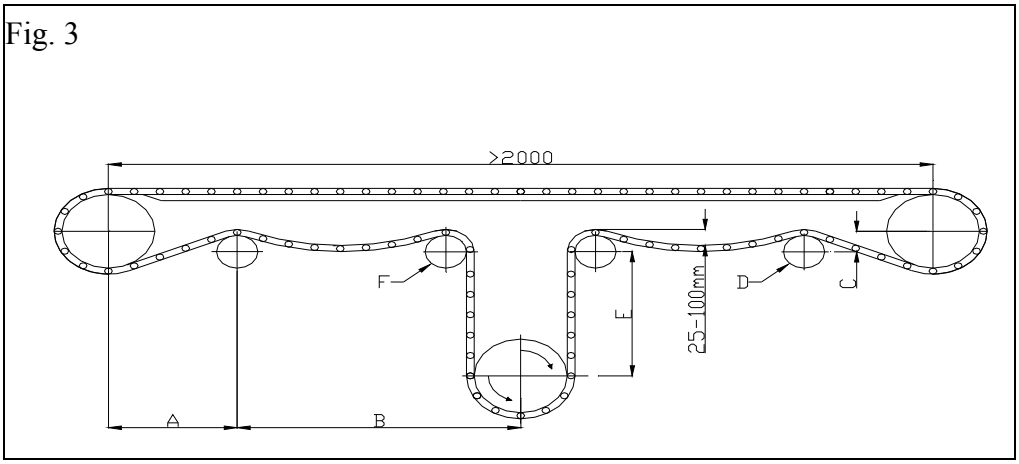



Fig. 3




A = 200 - 300 mm.
B = Min. 1000 mm - max.10% of the centre distance.
C = 0 - 50 mm.
D = S. 25 min.ш 50 mm. - S. 50 min. ш 100 mm.
E = S. 25 min. 75 mm. - S. 50 min. 150 mm.
F = S. 25 min. ш 100 mm - S. 50 min. ш 150 mm

# Construction examples (B)

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## Construction of conveyors using ScanBelt modular belts

There are 2 diagrams illustrating elevator conveyor systems.

Fig. 1 shows a very common construction. The drive wheel is at the top of the elevator system.
The first support after the drive wheel 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 wheel. 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 n leg.

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

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

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

Construction example

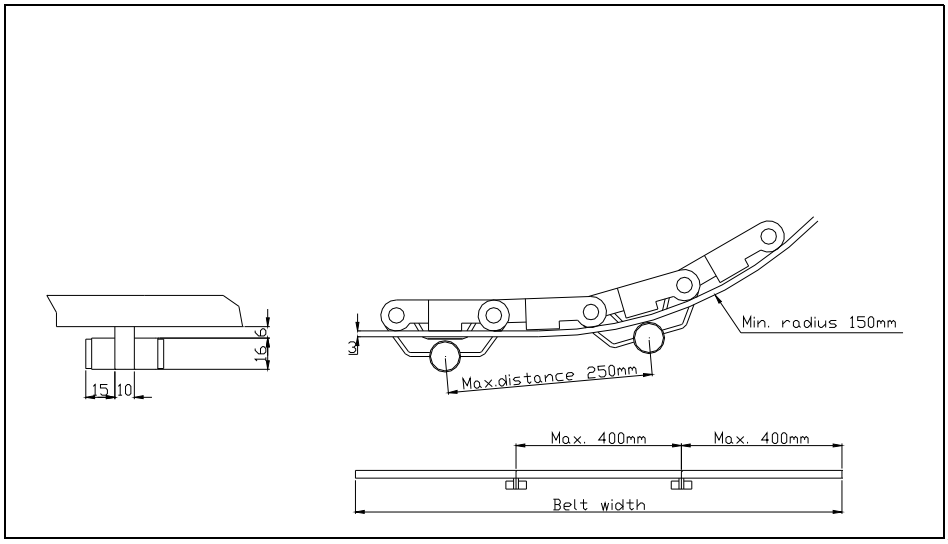


Fig. 1

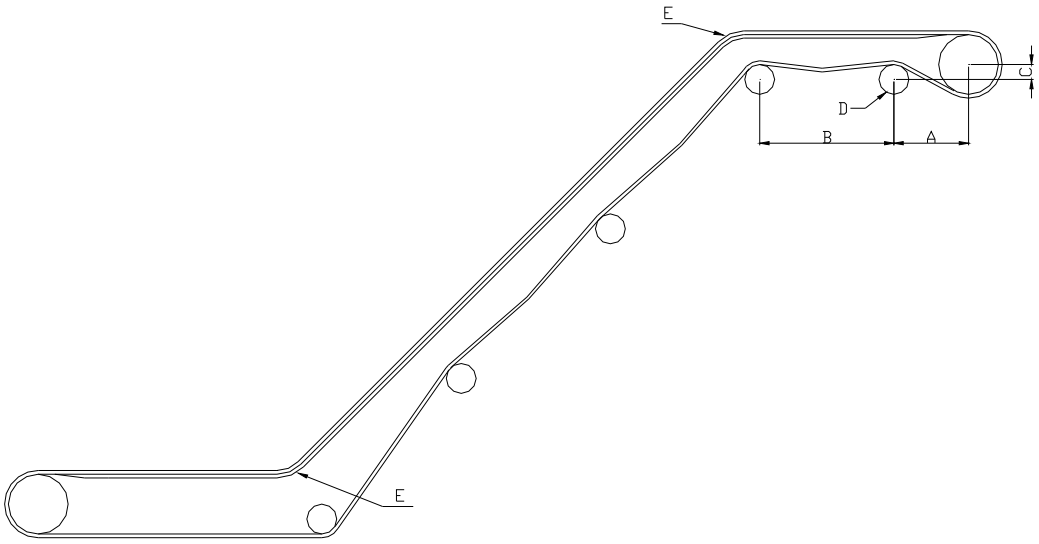
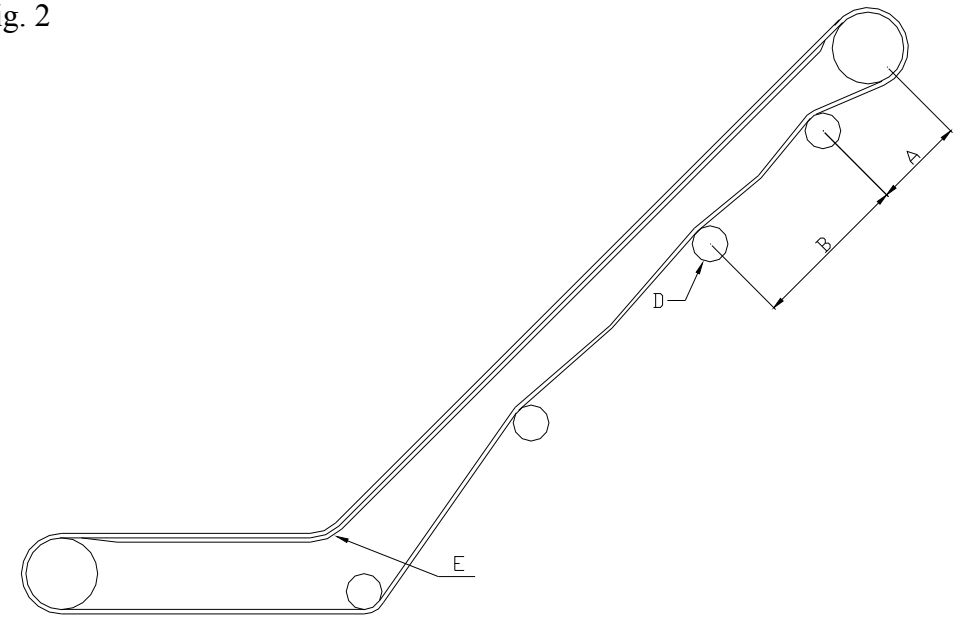



Fig. 2



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| Sprockets | | | | | | | Belt support | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Nominal belt width | Standard load | | Medium load | | Heavy load | | Nominal belt width | Serie 25 | | Serie 50 | |
| mm | Series 25 | Series 50 | Series 25 | Series 50 | Series 25 | Series 50 | mm | carry-way | n way | carry-way | n way |
| 50 | 1 | 1 | 1 | 1 | 1 | 1 | 50 | 2 | 2 | 2 | 2 |
| 100 | 1 | 1 | 2 | 2 | 2 | 2 | 100 | 2 | 2 | 2 | 2 |
| 150 | 2 | 2 | 2 | 2 | 3 | 2 | 150 | 2 | 2 | 2 | 2 |
| 200 | 2 | 2 | 3 | 2 | 4 | 3 | 200 | 3 | 2 | 2 | 2 |
| 250 | 2 | 2 | 3 | 3 | 5 | 3 | 250 | 3 | 2 | 3 | 2 |
| 300 | 3 | 3 | 4 | 3 | 6 | 4 | 300 | 3 | 2 | 3 | 2 |
| 350 | 3 | 3 | 5 | 4 | 7 | 5 | 350 | 4 | 3 | 3 | 3 |
| 400 | 4 | 3 | 6 | 4 | 8 | 6 | 400 | 4 | 3 | 3 | 3 |
| 450 | 4 | 3 | 6 | 5 | 9 | 6 | 450 | 4 | 3 | 3 | 3 |
| 500 | 5 | 4 | 7 | 5 | 10 | 7 | 500 | 5 | 3 | 4 | 3 |
| 600 | 5 | 5 | 8 | 6 | 12 | 8 | 600 | 5 | 3 | 4 | 3 |
| 750 | 6 | 6 | 10 | 8 | 15 | 10 | 750 | 6 | 4 | 5 | 4 |
| 800 | 7 | 6 | 11 | 8 | 16 | 11 | 800 | 7 | 4 | 5 | 4 |
| 900 | 8 | 7 | 12 | 9 | 18 | 12 | 900 | 7 | 4 | 5 | 4 |
| 1000 | 8 | 8 | 14 | 10 | 20 | 14 | 1000 | 8 | 5 | 6 | 5 |
| 1200 | 10 | 9 | 16 | 12 | 24 | 16 | 1200 | 9 | 5 | 7 | 5 |
| 1500 | 12 | 11 | 20 | 15 | 30 | 20 | 1500 | 11 | 6 | 8 | 6 |
| 1800 | 15 | 13 | 24 | 18 | 36 | 24 | 1800 | 13 | 7 | 9 | 7 |
| 2100 | 17 | 15 | 28 | 21 | 42 | 28 | 2100 | 15 | 8 | 11 | 8 |
| 2400 | 20 | 16 | 32 | 24 | 48 | 32 | 2400 | 17 | 9 | 12 | 9 |
| 3000 | 24 | 20 | 40 | 30 | 60 | 40 | 3000 | 21 | 11 | 15 | 11 |
| 3600 | 29 | 24 | 48 | 36 | 72 | 48 | 3600 | 25 | 13 | 17 | 13 |
| 4000 | 32 | 28 | 54 | 40 | 80 | 54 | 4000 | 29 | 15 | 19 | 15 |
| | Max. space between sprockets 125 mm | Max. space between sprockets 150 mm | Max. space between sprockets 75 mm | Max. space between sprockets 100 mm | Max. space between sprockets 50 mm | Max. space between sprockets 75 mm | For other widths | Max. distance 150 mm | Max. distance 300 mm | Max. distance 225 mm | Max. distance 300 mm |
| For series 25-800 and series 50-800 a minimum of **"medium load"** is recommended. | | | | | | | When Axle base CC distance is above 4 mtr, a roller is recommended on the returnway. | | | | |

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# Thermal extencion/contraction ( C )

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

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

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

Formula:

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

Example:

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

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

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

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| SERVICE FACTOR ( SF) | |
|---|---|
| No-load starts & load applied gradually | 1.0 |
| Frequent starts under load, more than 1/hr. | + 0.2 |
| Belt speed greater than 30 mtr./min. | + 0.2 |
| Elevating conveyors | + 0.4 |
| Pusher conveyors | + 0.2 |
| SF total | |

| Coefficient of start-up friction between wearstrip 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 |
| Steel | 0.26 | x 0.26 | 0.31 | 0.31 | 0.14 | 0.15 | 0.18 | 0.19 |
| xx = Contact Scanbelt | | | | x = Not recommended over 15 mtr./min. | | | | |

| 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 )

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**Polyethylene:**

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

**Polyethylene Plus:**

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

**Polypropylene:**

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

**Polypropylene with 10% talcum:**

Thermal plastic with a weight mass of approx. 0.98 grams/cm3.
Suitable for use in high temperature areas.
Temperature range from + 40°C to 130°C.
High chemical resistance.
FDA approved.
Medium tensile strength, low impact strength at low temperatures.

**Polypropylene with 30% glass:**

Thermal plastic with a weight mass of approx. 1.14 grams/cm3.
Suitable for use in high temperature areas.
Temperature range from + 50°C to + 150°C.
High chemical resistance.
A strong and consistently stable material. Extremely high tensile strength, but gives a larger friction between the support and the belt. Low impact strengh at low temperatures.

**Polypropylene antistatic:**

Thermal plastic with a weight mass of approx. 0.98 grams/cm3.
Suitable for use in areas requiring electrical diversion.
Temperature range from + 5°C to + 100 °C.
High chemical resistance.
Tensile strength as normal polypropylene.

**Polyacetal (POM):**

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

**Polyacetal antistatic:**

Thermal plastic with a weight mass of approx. 1.4 grams</cm3.
Suitable for use in areas requiring electrical diversion.
Temperature range from - 43°C to + 95°C.
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 - 45°C to + 110°C.
High chemical resistance. Not suitable in damp areas at high temperatures.
FDA approved.
Tough yet flexible material with a high tensile strength as well as a high impact strength.

**Nylon 6.6:**

Thermal plastic with a weight mass of approx. 1.1 grams / cm3.
Suitable for use in both warm and cold areas.
Temperature range from - 45°C to + 150°C.
High chemical resistance, though not suitable for use in very damp areas at high temperatures.
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 - 45°C to + 110°C.
High chemical resistance. Not suitable in wet areas.
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 + 5°C to + 120°C.
High chemical resistance.
Flammability VO (3,2 mm).
FDA approved.
Strong material with medium tensile strength. Low impact strength at low temperatures.

**Friction material:**

Thermal plastic with a weight mass of approx. 1.14 grams/cm3.
Suitable for use in both warm and cold areas.
Temperature range from - 25°C to + 80°C.
High chemical resistance.
FDA approved.
Soft material with high friction, low tensile strength.
Suitable to put on the surface of PE and PP belts.
Used for belts with slight inclination.

**Silicone and teflon material:**

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

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# 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 20 °C, and unless otherwise stated, with strong concentrations.

Explanation of symbols:

| | |
|---|---|
| + : resistant: | None or only negligible changes in weight ( < 0.5% ).<br>No changes in mechanical characteristics. |
| ± : qualified resistance: | After a period of time, significant changes in weight and mass ( 0.5 - 5.0%).<br>Possible discoloration and reduction in strength and ductility.<br>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 given it is because no test results are available from our suppliers. |

| Vehicle | % | POM | PE | PP |
|---|---|---|---|---|
| Acetaldehyde | 40 | + | + | + |
| Acetic acid | 10 | ± | + | + |
| Plastic material | 80 | - | + | + |
| Acetone | 100 | + | + | + |
| Alcohol | | + | + | + |
| Allyl alcohol | 100 | + | + | + |
| Aluminium chloride | 10 | + | + | + |
| Ammonia water | 10 | + | + | + |
| Ammonium chloride | | + | + | + |
| Aniline | 100 | + | + | + |
| Benzene | 100 | + | + | - |
| Benzyl alcohol | 100 | + | + | + |
| Boiled salt - cf. Sodium chloride | | | | |
| 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 | | + | + | + |
| Caustic potash soln | 10 | + | + | + |

| Vehicle | % | POM | PE | PP |
|---|---|---|---|---|
| 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 | + | + | + |

| | | | | |
|---|---|---|---|---|
| Lead sugar | | + | + | + |
| Liquid butane | | + | + | + |
| Magbesium chloride - Aqueous | 10 | + | + | + |
| Manganese sulphate | 10 | + | + | + |
| Mercury chloride - Aqueous | 5 | + | + | + |
| Methanol | 98 | + | + | + |
| Metal acetate | 100 | + | + | + |
| Methyl ethyl ketone | 100 | + | + | + |
| Methylene chloride | 100 | - | + | + |
| Mineral oil | 100 | + | + | + |
| Nitric acid | 10 | - | + | + |
| Nitric acid - Concentrated | 65 | - | + | - |
| Nitrobenzene | 100 | + | + | + |
| Oleic acid - Concentrated | 40 | + | + | + |
| Oxalic acid | 10 | - | + | + |

| | | | | |
|---|---|---|---|---|
| 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 | | + | + | + |

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## Installation and maintenance instructions for ScanBelt conveyor belts

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

### Sprockets:

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

#### A - Square shaft.

- Ensure that the sprockets are aligned, so that the gear teeth are not displaced.
- In the case of sprockets with lateral control, the middle sprocket should be fixed and the others allowed to move freely.
- For sprockets without lateral control, spacers can be mounted between the sprockets to prevent them from moving sideways.
- For sprockets with 40 x 40 mm square shafts, an acetal plastic (POM) retainer ring is also supplied with a 6 mm stainless centre screw which should be screwed down into the shaft. The groove for the screw should be made with a drill, file or right-angle grinder (depth 1 - 2 mm).

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

- Make sure that the sprockets are aligned, so that the gear teeth are not displaced.
- In the case of sprockets with lateral control, the middle sprocket should be fixed and the others allowed to move 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 ScanBelt.)

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

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

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

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

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# Belt

**1. Installation:**

When installing a belt from ScanBelt, it is advantageous to ensure that the sprockets are engaged correctly, although not strictly necessary since the sprockets engage during operation. One should be careful to ensure that the side of the belt has a straight edge before securing with the plastic rod when assembling a belt from ScanBelt. The plastic rod used for assembling the belt is equipped with a head at one end. After installation, any excess plastic rod should be cut off 1 - 2 mm from the beltr's outer edge. Soldering/plugging can be carried out with a special soldering iron which can be supplied by ScanBelt. If a soldering iron is not available, the plastic rod can be heated using, for instance, a lighter, after which soldering can be carried out with a punch.

**2. Maintenance:**

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

**3. Shortening/replacing damaged modules:**

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

# Malfunction ( G )

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## If the belt is malfunctioning

**If the belt is not properly aligned:**

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

**If the belt pulls to one side:**

Test / check: That the shaft is adjusted correctly; that the belt mounting stands squarely.
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 squarely. 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 ning belt is adjusted so that it engages the sprockets correctly ( tighten as little as possible ). That the products / materials do not collect on the n 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 at excessive speeds.
That the correct wear strips are being used. That the beltr'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 n track.

**If the flights break:**

Test / check: That the flights do not hit against the frame. That blockages 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 the grey belts instead! ). That the operating temperature is not too high.

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# Calculation of motorpower ( H )

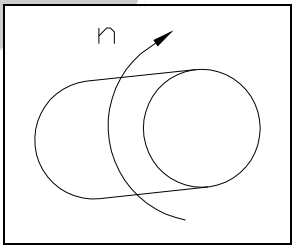
| | |
|---|---|
| Sprocket Pitch diameter | D [mm]: |
| Belt Speed | V [m/min]: |
| Shaft Speed | n [rpm] |
| Belt Power | F [N] |
| Torquemoment | T [kW] |
| Motorpower | P [kW] |

EKS.

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

Shaft Speed of rotation

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

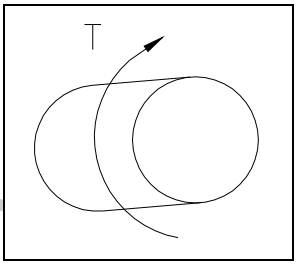



$$n = \frac{10 * 10i}{97 * \pi}$$

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

Torsionsmomer

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




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

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

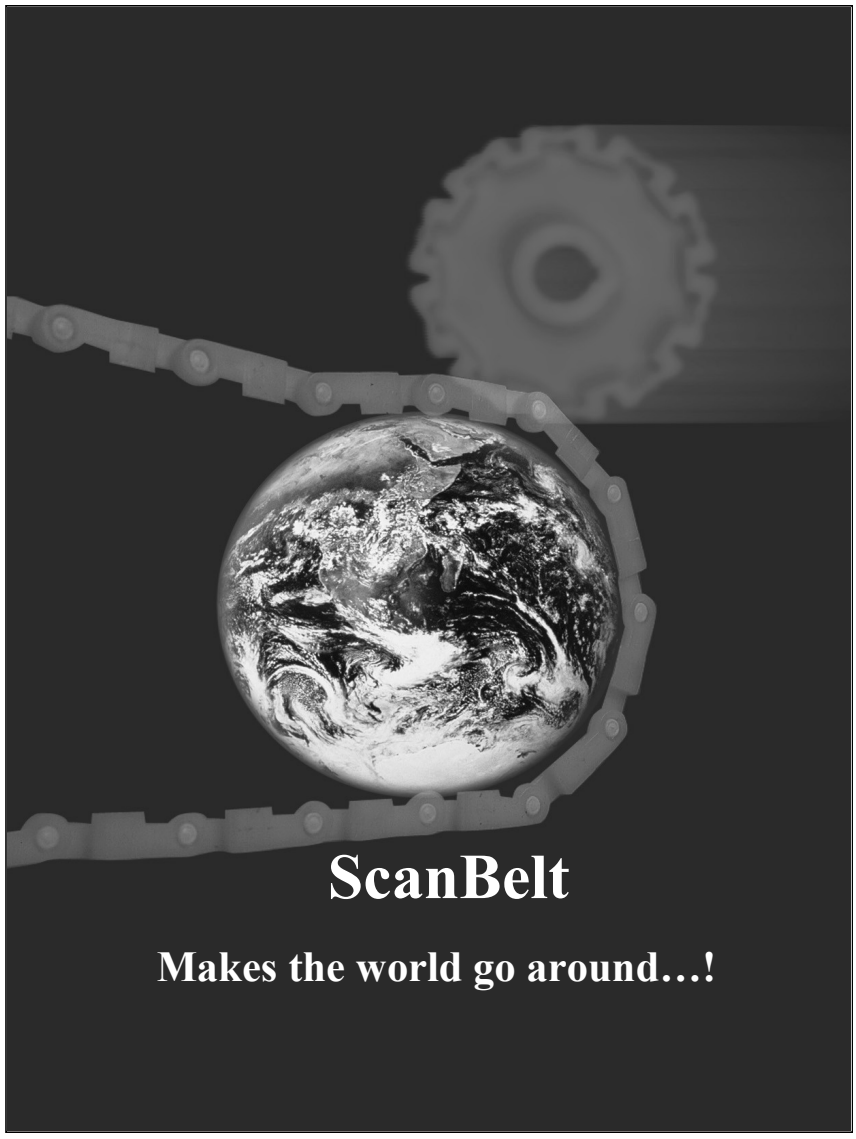
Motorpower

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

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

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

# 8. Conditions of sale and delivery.



# General conditions of sales and delivery

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## 1.Validity

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

## 2. Price.

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

## 3. Payment

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

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

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

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

## 4. Retention of title

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

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

## 5. Delivery

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

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

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

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

## 6. Packing

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

## 7. Defects and claims

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

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

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

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

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

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

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

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

## 8. Limitations of liability.

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

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

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

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

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

## 9. n of items.

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

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

## 10. Product liability.

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

## 11. Transfer or rights and obligations.

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

## 12. Disputes.

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