 STEP-files S140

S140



Serie 140



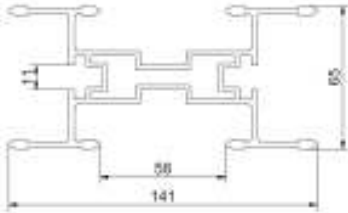
| Technical specification S140 | |
|--|-----------------------|
| Width of chain | 140 mm |
| Chain pitch | 38 mm |
| Width conveyor profile | 141 mm |
| Height conveyor | 80 mm |
| Radius conveyor chain on the drive and idler unit | 70 mm |
| Max. permitted traction on the conveyor chain | 1250 N |
| Weight conveyor | ≈ 8 kg/m ** |
| Recommended maximum load on conveyor | ≈ 200 kg * |
| Recommended maximum load | ≈ 20 kg/m * |
| Recommended maximum length of conveyor | ≈ 20 m * |
| Recommended maximum speed | 50 m/min |
| Minimum radius on plain bend | R 300 mm |
| Wheel curve radius | R 200 mm |
| Vertical bend radius | R 400 mm and R 860 mm |
| Motor | 0,18 - 0,55 kW |
| Noise level | < 70 dB (A) |
| Chain material | Acetal |
| Conveyor profile material | Anodized aluminum |
| * Recommended maximum length depends on the design, load and number of bends. | |
| ** The weight of the conveyor depends on which type of chain, guide rail and guide rail bracket. | |

Serie 140

Conveyor profile S140

Anodized aluminum
Weight 3300 g/m
Length 5.8 m
Qty/package 10 pcs

Part no. 140-1000



Serie 140

Conveyor chain S140

Acetal, nylon and stainless steel.
 Standard version top flights are made of white acetal which is food approved
 Allowed traction force 1250 N.

On request, chain and top flight can be delivered in non-standard material.
 Enter the following additional letter.

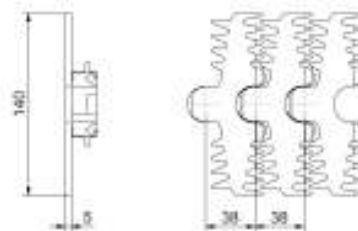
- L = Low friction
- V = Heat resistance
- A = Antistatic
- F = Flocked

Order example 140-2000L

Finger chain

Slat standard chain for S140 and S540
 Weight 1680 g/m
 Qty 27 pcs/m

Part no. 140-2000

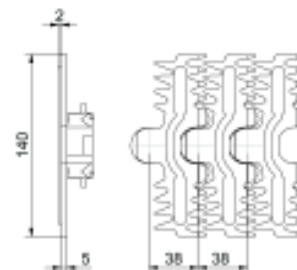


Top flight for standard chain
 Part no. 140-2001

Finger chain friction

Standard chain with friction top flight
 for S140 and S540
 Weight 1700 g/m
 Qty 27 pcs/m

Part no. 140-2010



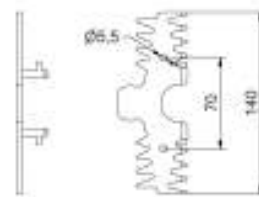
Top flight for friction chain
 Part no. 140-2011

Serie 140

Top flight for carrier

For S140 and S540
Weight 28 g

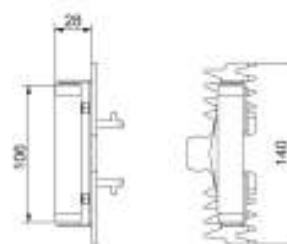
Part no. 140-2075



Top flight with roller carrier

For S140 and S540
Plastic roll with bearing and bracket in
Stainless steel
Weight 109 g

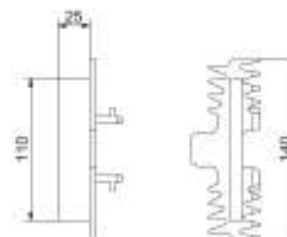
Part no. 140-2079



Top flight with carrier

For S140 and S540
Weight 47 g

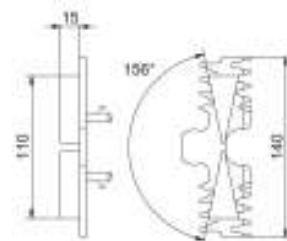
Part no. 140-2081



Top flight with carrier

For S140 and S540
Weight 50 g

Part no. 140-2179

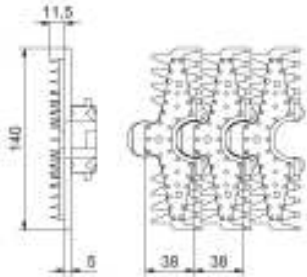


Serie 140

Friction chain

For S140 and S540
Weight 1,695 kg/m

Part no. 140-2110



Top flight for friction chain with pimples
Part no. 140-2111

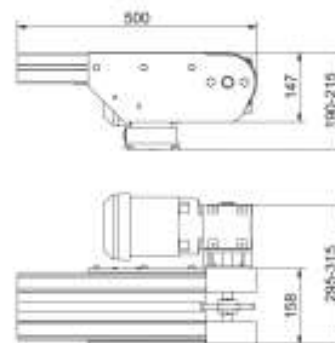
Serie 140

140-30

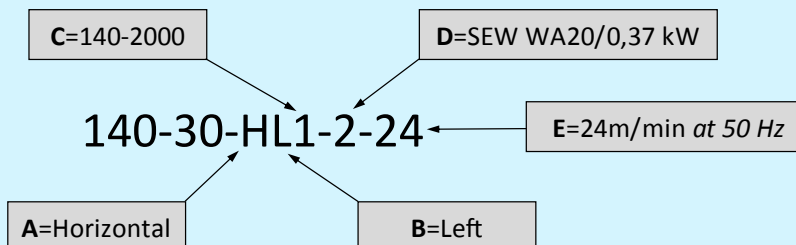
Drive unit with direct transmission S140.
Configuration of default drive with direct transmission. **140-30-ABC-D-E.**





If needed, roller transfers and brackets can be found at page 35.

Weight without motor 4500 g
Weight with motor 11500-17500 g



Order example



| A: <u>Assembly position</u> | B: <u>Placement</u> | C: <u>Conveyor chain</u> | D: <u>Motor/gear power</u> | E: <u>Speed m/min at 50 Hz</u> |
|---|--|---|--------------------------------------|---|
| H: Horizontal  | R: Right  | 1: 140-2000 140-2010 | 1: SEW WA20 0,25 kW | 8 18 10 23 15 32 16 44 |
| | | 2: 140-2081 | | 2: SEW WA20 0,37 kW |
| V: Vertical  | L: Left  | 3: 140-2079 140-2110 140-2179 | 3: SEW WA30 0,37 kW | 6 15 29 8 17 33 10 19 46 12 24 |
| | | | | 4: SEW WA30 0,55 kW |
| | | | | W Without motor/gear. Assembly position and shaft prepared for selected placement. More options → |

Serie 140

Cont. 140-30

| D: Motor/ gear power | E: Speed m/min at 50 Hz | | |
|---|--|----------------------|----------------------|
| 5: SEW SA37 0,37 kW | 8 10 13 16 | 19 24 27 31 | 36 |
| 6: Lenze G500-B45 0,18 kW | 13 15 17 19 | 21 25 28 31 | 36 41 45 |
| 7: Lenze G500-B110 0,18 kW | 8 10 12 15 | 19 21 25 33 | 38 41 |
| 8: Lenze G500-B45 0,25 kW | 19 22 25 28 | 32 36 41 46 | |
| 9: Lenze G500-B110 0,25 kW | 11 12 15 19 | 21 25 27 31 | 38 42 46 52 |
| 10: Lenze G500-B45 0,37 kW | 28 32 37 42 | 47 54 | |

| D: Motor/gear power | E: Speed m/min at 50 Hz | | |
|--|---|----------------------|----------------------|
| 11: Lenze G500-B110 0,37 kW | 11 13 16 20 | 22 25 28 32 | 34 39 43 47 |
| 12: Lenze G500-B45 0,55 kW | 26 28 32 36 | 42 47 | |
| 13: Lenze G500-B110 0,55 kW | 17 20 22 25 | 28 31 39 43 | 47 |
| 14: Lenze Smart Motor G500-B45 0,25 kW | Adjustable speed 6-31 m/min | | |
| 15: Lenze Smart Motor G500-B45 0,25 kW | Adjustable speed 10-50 m/min | | |
| | W Without motor/gear. Assembly position and shaft prepared for selected place- ment. | | |

If needed, roller transfers and brackets can be found at page 35.

Serie 140

Cont. 140-30

Bracket for roller transfer and connecting strip between conveyors

The following configuration is listed on order number 140-30-ABC-D-E **with one additional letter**.

A = 900-3117 and 900-7112.

B = 900-3119 and 900-7120.

C = 900-3118 and 900-7130, 7mm level difference.

Order example: 140-30-HL1-2-24-A

A



B



C



Bracket for roller transfer and connecting strip including roller transfer

The following configuration is listed on the existing order number 140-30-ABC-D-E- **with two extra letters**.

AR = 900-3117, 900-7112 and 900-7020

BR = 900-3119, 900-7120 and 900-7020

CR = 900-3118, 900-7130 and 900-7020, 7mm level difference.

Order example: 140-30-HL1-2-24-AR

AR



BR



CR

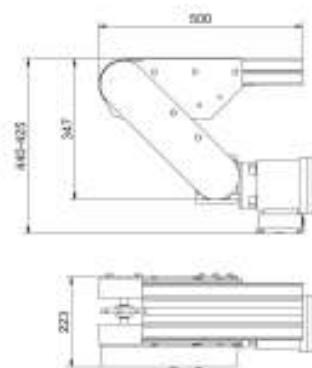


Serie 140

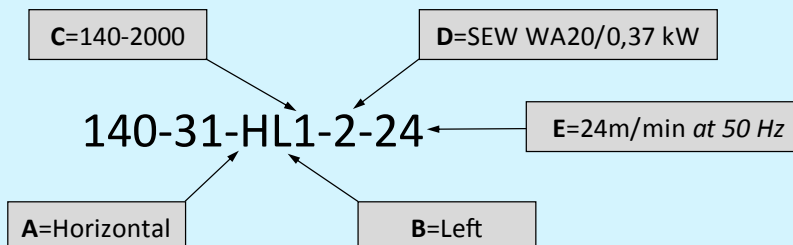
140-31





Drive unit with suspended motor S140.
Configuration of default drive
140-31-ABC-D-E.

If needed, roller transfers and brackets can be found at page 38.



Order example



| A: <u>Assembly position</u> | B: <u>Placement</u> | C: <u>Conveyor chain</u> | D: <u>Motor/gear power</u> | E: <u>Speed m/min at 50 Hz</u> |
|---|--|---|--------------------------------------|---|
| H: Horizontal  | R: Right  | 1: 140-2000 140-2010 | 1: SEW WA20 0,25 kW | 8 18 10 23 15 32 16 44 |
| | | 2: 140-2081 | | 2: SEW WA20 0,37 kW |
| V: Vertical  | L: Left  | 3: 140-2079 140-2110 140-2179 | 3: SEW WA30 0,37 kW | 6 15 29 8 17 33 10 19 46 12 24 |
| | | | | 4: SEW WA30 0,55 kW |
| | | | | W Without motor/gear. Assembly position and shaft prepared for selected placement. More options → |

Serie 140

Cont. 140-31

| D: Motor/ gear power | E: Speed m/min at 50 Hz | | |
|---|--|----------------------|----------------------|
| 5: SEW SA37 0,37 kW | 8 10 13 16 | 19 24 27 31 | 36 |
| 6: Lenze G500-B45 0,18 kW | 13 15 17 19 | 21 25 28 31 | 36 41 45 |
| 7: Lenze G500-B110 0,18 kW | 8 10 12 15 | 19 21 25 33 | 38 41 |
| 8: Lenze G500-B45 0,25 kW | 19 22 25 28 | 32 36 41 46 | |
| 9: Lenze G500-B110 0,25 kW | 11 12 15 19 | 21 25 27 31 | 38 42 46 52 |
| 10: Lenze G500-B45 0,37 kW | 28 32 37 42 | 47 54 | |

| D: Motor/gear power | E: Speed m/min at 50 Hz | | |
|--|---|----------------------|----------------------|
| 11: Lenze G500-B110 0,37 kW | 11 13 16 20 | 22 25 28 32 | 34 39 43 47 |
| 12: Lenze G500-B45 0,55 kW | 26 28 32 36 | 42 47 | |
| 13: Lenze G500-B110 0,55 kW | 17 20 22 25 | 28 31 39 43 | 47 |
| 14: Lenze Smart Motor G500-B45 0,25 kW | Adjustable speed 6-31 m/min | | |
| 15: Lenze Smart Motor G500-B45 0,25 kW | Adjustable speed 10-50 m/min | | |
| | W Without motor/gear. Assembly position and shaft prepared for selected place- ment. | | |

If needed, roller transfers and brackets can be found at page 38.

Serie 140

Cont. 140-31

Bracket for roller transfer and connecting strip between conveyors

The following configuration is listed on order number 140-31-ABC-D-E- **with an additional letter.**

A = 900-7112.

B = 900-7120.

C = 900-7130, 7mm level difference.

Order example: 140-31-HL1-2-24-A

A



B



C



Bracket for roller transfer and connecting strip including roller transfer

The following configuration is listed on the existing order number 140-31-ABC-D-E- **with two extra letters.**

AR = 900-7112 and 900-7020

BR = 900-7120 and 900-7020

CR = 900-7130 and 900-7020, 7mm level difference.

Order example: 140-31-HL1-2-24-AR

AR



BR



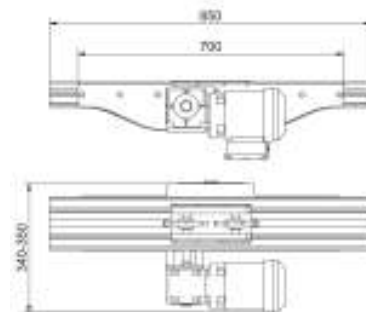
CR



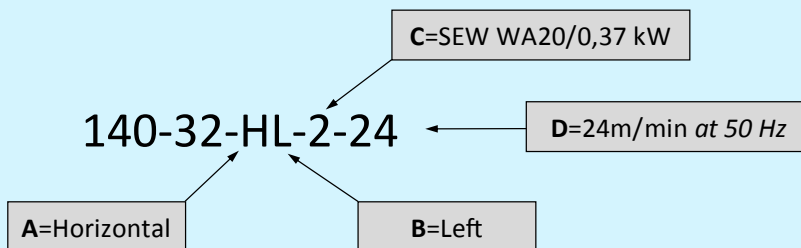
Serie 140





140-32

Drive unit with intermediate motor and return chain S140.
Configuration of default drive
140-32-AB-C-D.



Order example



| <u>A:</u> Assembly position | <u>B:</u> Placement | <u>C:</u> Motor/gear power | <u>D:</u> Speed m/min at 50 Hz | | | | | | | | | | | | |
|---|--|--------------------------------------|---|----|----|----|----|----|----|----|----|----|----|----|--|
| H: Horizontal  | R: Right  | 1: SEW WA20 0,25 kW | <table border="0"> <tr><td>8</td><td>18</td></tr> <tr><td>10</td><td>23</td></tr> <tr><td>15</td><td>32</td></tr> <tr><td>16</td><td>44</td></tr> </table> | 8 | 18 | 10 | 23 | 15 | 32 | 16 | 44 | | | | |
| 8 | 18 | | | | | | | | | | | | | | |
| 10 | 23 | | | | | | | | | | | | | | |
| 15 | 32 | | | | | | | | | | | | | | |
| 16 | 44 | | | | | | | | | | | | | | |
| V: Vertical  | L: Left  | 2: SEW WA20 0,37 kW | <table border="0"> <tr><td>17</td><td>33</td></tr> <tr><td>19</td><td>46</td></tr> <tr><td>24</td><td></td></tr> <tr><td>29</td><td></td></tr> </table> | 17 | 33 | 19 | 46 | 24 | | 29 | | | | | |
| 17 | 33 | | | | | | | | | | | | | | |
| 19 | 46 | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | |
| | | 3: SEW WA30 0,37 kW | <table border="0"> <tr><td>6</td><td>15</td><td>29</td></tr> <tr><td>8</td><td>17</td><td>33</td></tr> <tr><td>10</td><td>19</td><td>46</td></tr> <tr><td>12</td><td>24</td><td></td></tr> </table> | 6 | 15 | 29 | 8 | 17 | 33 | 10 | 19 | 46 | 12 | 24 | |
| 6 | 15 | 29 | | | | | | | | | | | | | |
| 8 | 17 | 33 | | | | | | | | | | | | | |
| 10 | 19 | 46 | | | | | | | | | | | | | |
| 12 | 24 | | | | | | | | | | | | | | |
| | | 4: SEW WA30 0,55 kW | <table border="0"> <tr><td>8</td><td>18</td></tr> <tr><td>10</td><td>23</td></tr> <tr><td>15</td><td>32</td></tr> <tr><td>16</td><td>44</td></tr> </table> | 8 | 18 | 10 | 23 | 15 | 32 | 16 | 44 | | | | |
| 8 | 18 | | | | | | | | | | | | | | |
| 10 | 23 | | | | | | | | | | | | | | |
| 15 | 32 | | | | | | | | | | | | | | |
| 16 | 44 | | | | | | | | | | | | | | |
| | | | W Without motor/gear. Assembly position and shaft prepared for selected placement. More options → | | | | | | | | | | | | |

Serie 140

Cont. 140-32

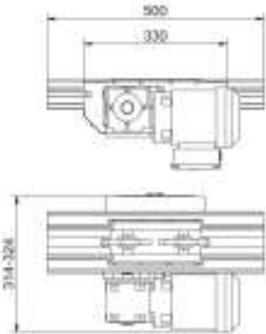
| C: Motor/gear power | D: Speed m/min at 50 Hz | | |
|--|--|----------------------|----------------|
| 5: SEW SA37 0,37 kW | 8 10 13 16 | 19 24 27 31 | 36 |
| 6: Lenze G500-B45 0,18 kW | 13 15 17 19 | 21 25 28 31 | 36 41 45 |
| 7: Lenze G500-B110 0,18 kW | 8 10 12 15 | 19 21 25 33 | 38 41 |
| 8: Lenze G500-B45 0,25 kW | 19 22 25 28 | 32 36 41 46 | |
| 9: Lenze G500-B110 0,25 kW | 11 12 15 19 | 21 25 27 31 | 38 42 46 |
| 10: Lenze G500-B45 0,37 kW | 28 32 37 42 | 47 | |

| C: Motor/gear power | D: Speed m/min at 50 Hz | | |
|--|---|----------------------|----------------------|
| 11: Lenze G500-B110 0,37 kW | 11 13 16 20 | 22 25 28 32 | 34 39 43 47 |
| 12: Lenze G500-B45 0,55 kW | 26 28 32 36 | 42 47 | |
| 13: Lenze G500-B110 0,55 kW | 17 20 22 25 | 28 31 39 43 | 47 |
| 14: Lenze Smart Motor G500-B45 0,25 kW | Adjustable speed 6-31 m/min | | |
| 15: Lenze Smart Motor G500-B45 0,25 kW | Adjustable speed 10-50 m/min | | |
| | W Without motor/gear. Assembly position and shaft prepared for selected place- ment. | | |

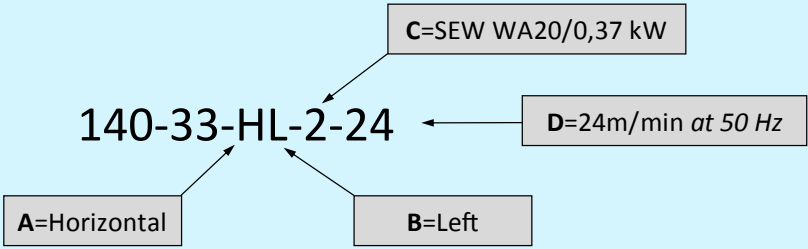
Serie 140





140-33

Catenary drive unit for circuit conveyor S140.
 Configuration of default drive **140-33-AB-C-D.**



Order example



| <u>A:</u> Assembly position | <u>B:</u> Placement | <u>C:</u> Motor/gear power | <u>D:</u> Speed m/min at 50 Hz |
|---|--|--------------------------------------|---|
| H: Horizontal  | R: Right  | 1: SEW WA20 0,25 kW | 8 18 10 23 15 32 16 44 |
| | | 2: SEW WA20 0,37 kW | 17 33 19 46 24 29 |
| V: Vertical  | L: Left  | 3: SEW WA30 0,37 kW | 6 15 29 8 17 33 10 19 46 12 24 |
| | | 4: SEW WA30 0,55 kW | 8 18 10 23 15 32 16 44 |
| | | | W Without motor/gear. Assembly position and shaft prepared for selected placement. More options → |

Serie 140

Cont. 140-33

| C: Motor/gear power | D: Speed m/min at 50 Hz | | |
|--|--|----------------------|----------------|
| 5: SEW SA37 0,37 kW | 8 10 13 16 | 19 24 27 31 | 36 |
| 6: Lenze G500-B45 0,18 kW | 13 15 17 19 | 21 25 28 31 | 36 41 45 |
| 7: Lenze G500-B110 0,18 kW | 8 10 12 15 | 19 21 25 33 | 38 41 |
| 8: Lenze G500-B45 0,25 kW | 19 22 25 28 | 32 36 41 46 | |
| 9: Lenze G500-B110 0,25 kW | 11 12 15 19 | 21 25 27 31 | 38 42 46 |
| 10: Lenze G500-B45 0,37 kW | 28 32 37 42 | 47 | |

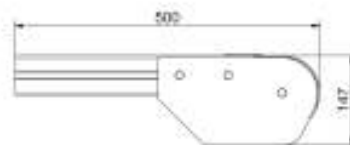
| C: Motor/gear power | D: Speed m/min at 50 Hz | | |
|--|---|----------------------|----------------------|
| 11: Lenze G500-B110 0,37 kW | 11 13 16 20 | 22 25 28 32 | 34 39 43 47 |
| 12: Lenze G500-B45 0,55 kW | 26 28 32 36 | 42 47 | |
| 13: Lenze G500-B110 0,55 kW | 17 20 22 25 | 28 31 39 43 | 47 |
| 14: Lenze Smart Motor G500-B45 0,25 kW | Adjustable speed 6-31 m/min | | |
| 15: Lenze Smart Motor G500-B45 0,25 kW | Adjustable speed 10-50 m/min | | |
| | W Without motor/gear. Assembly position and shaft prepared for selected place- ment. | | |

Serie 140

Idler unit

Standard idler unit to S140
Weight 2900 g

Art.nr 140-4005



Bracket for roller transfer and bracket including roller transfer

The following configuration is listed on order number 140-4005- **with an additional letter**.

A = 900-7111

AR = 900-7111 and 900-7020

Order example: 140-4005-A

A



AR

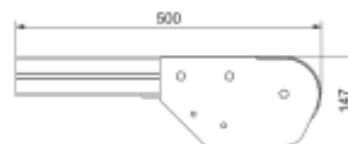


Serie 140

Idler unit

Used as front idler unit for conveyor where drive unit 140-32 is included.
Weight 2900 g

Art.nr 140-4055



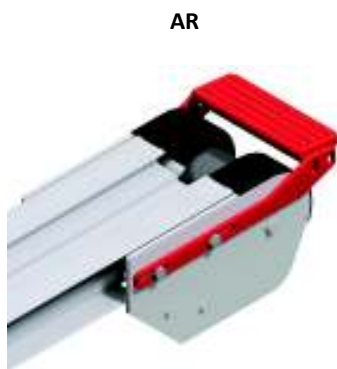
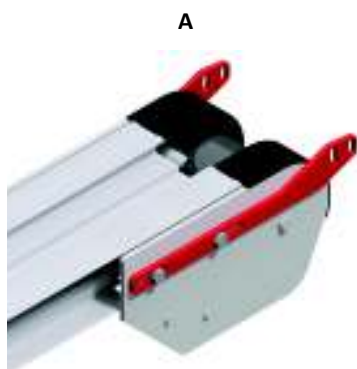
Bracket for roller transfer and bracket including roller transfer

The following configuration is listed on order number 140-4055- **with an additional letter**.

A = Bracket 900-7112

AR = Bracket 900-7112 and roller transfer 900-7020

Order example: 140-4055-A



Serie 140

Wheel bend

Standard wheel bend S140 with R200 mm
Anodized aluminum and wheel in plastic.

Wheel bend configuration

Art.nr 140-5055-A

A= Angle of bend

Standard angles for R200

A = 45°

A = 90°

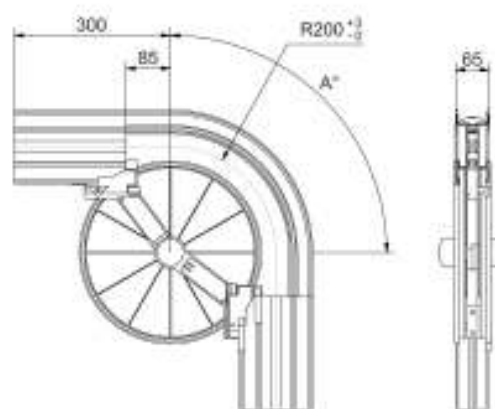
A = 180°

Other angles are manufactured on request
connecting strip 100-7010 is ordered separately

Order example

140-5055-45

A = 45°



Serie 140

Adjustable support assembly

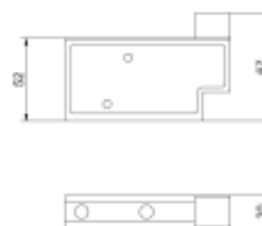
Support assembly for wheel bend R200 and S140
 Complete with shaft
 Zink die-cast and stainless steel
 Weight 1380 g



Part no. 830-5056

Spacer

For adjustable support assembly
 Zink die-cast
 Weight 240 g



Part no. 830-5057

Shaft

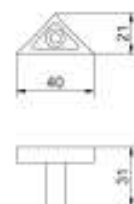
For wheel bend curve R200
 Stainless steel
 Weight 22 g



Part no. 830-5058

Pinch guard

For wheel bend R200
 Black polyamide
 Weight 11 g



Part no. 140-5059

Serie 140

Wheel bend disc

To wheel bend R200
Complete with bearing 6203-2Z
Black nylon
Weight 825 g



Part no. 830-5060

Plastic cover

To wheel bend Ø350
Black pvc
Weight 15 g



Part no. 830-5062

Serie 140

Plain bend

Standard plain bend S140
R600 consists of an aluminum profile
Other radius of two aluminum profiles and plastic clamp.

Plain bend configuration
Part no. 140-5375-A-B

A= Bend radius
B= Angle on bend
The following radius and angles are standard



| A = Radius | B = Angle |
|------------|--------------------------|
| 300 mm | 15°, 30°, 45°, 90°, 180° |
| 400 mm | 15°, 30°, 45°, 90°, 180° |
| 600 mm | 15°, 30°, 45°, 90°, 180° |
| 900 mm | 15°, 30°, 45°, 90°, 180° |

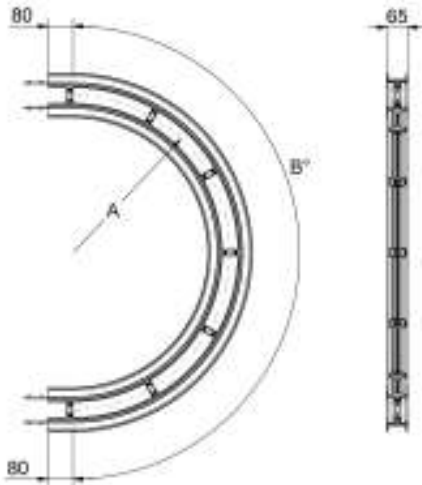
Other radius and angles are manufactured on request

Order example

140-5375-600-90

A= 600 mm

B= 90°



Serie 140

Vertical bend

Standard vertical bend R400
Anodized aluminum and curve clamps in plastic

Vertical bend configuration

Part no. 140-5645-A

A= Angle on bend

Standard angles for R400

A = 10°

A = 15°

A = 20°

A = 30°

A = 45°

A = 60°

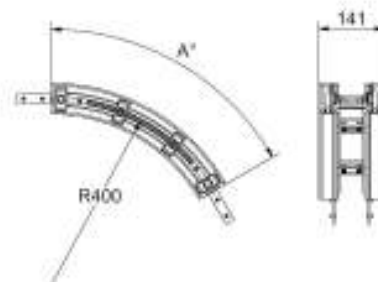
A = 90°

Other radius and angles are manufactured on request.
Minimum 10°

Order example

140-5645-45

A = 45°



Serie 140

Vertical bend

Standard vertical bend R860
Anodized aluminum and curve clamps in plastic

Vertical bend configuration

Part no. 140-5695-A

A= Angle on bend

| Standard angles for R860 |
|--------------------------|
| A = 5° |
| A = 10° |
| A = 15° |
| A = 20° |
| A = 30° |
| A = 45° |
| A = 60° |
| A = 90° |

Other radius and angles are manufactured on request.
Minimum 5°

Order example

140-5695-45

A = 45°

