

Series 140



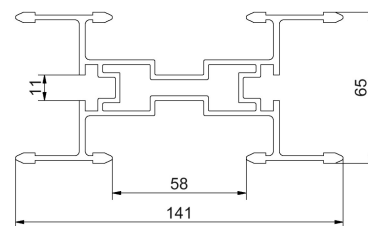
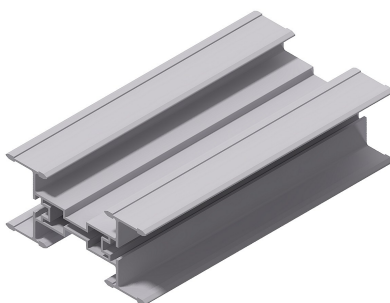
Technical specification S140	
Width of chain	140 mm
Chain pitch	38 mm
Width conveyor profile	141 mm
Height conveyor	80 mm
Radius conveyor chain on the drive and idler unit	70 mm
Max. permitted traction on the conveyor chain	1250 N
Weight conveyor	≈ 8 kg/m **
Recommended maximum load on conveyor	≈ 200 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.	

Series 140

Conveyor profile S140

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

Part no. 140-1000



Series 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.

Specified dimensions may vary up to 2%.

On request, some chains 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

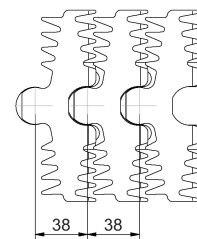
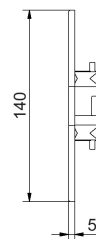
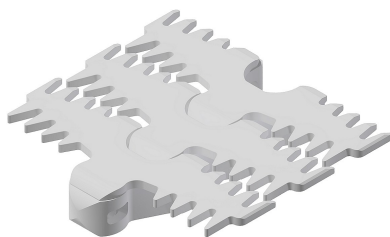
Slat standard chain for S140 and S540

Weight 1680 g/m

Qty 27 pcs/m

Part no. 140-2000

Part no. 140-2000-BLUE



Top flight for standard chain

Weight 27 g

Part no. 140-2001

Part no. 140-2001-BLUE

Finger chain friction

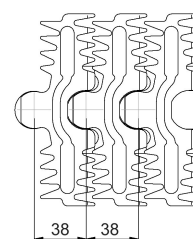
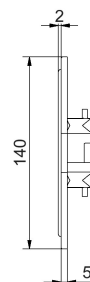
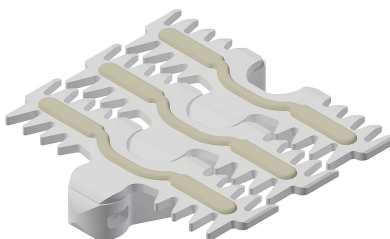
Standard chain with friction top flight
for S140 and S540

Weight 1700 g/m

Qty 27 pcs/m

Part no. 140-2010

Part no. 140-2010-BLUE



Top flight for friction chain

Weight 28 g

Part no. 140-2011

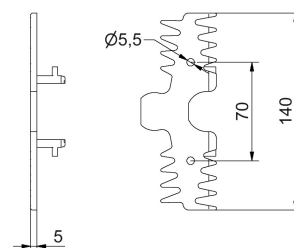
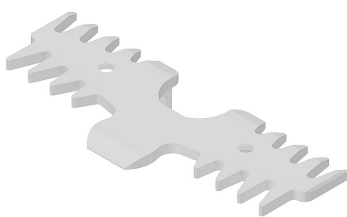
Part no. 140-2011-BLUE

Series 140

Top flight for carrier

For S140 and S540
Weight 26 g

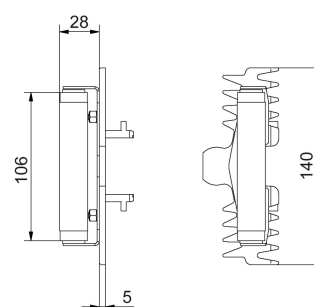
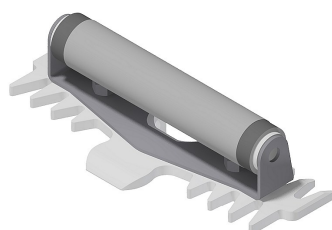
Part no. 140-2075



Top flight with roller carrier

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

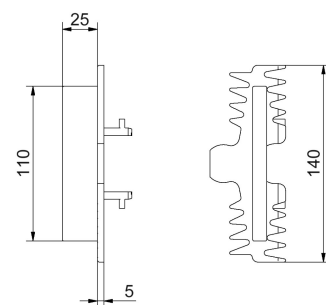
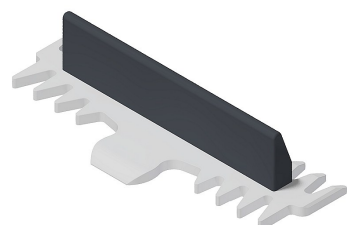
Part no. 140-2079



Top flight with carrier

For S140 and S540
Weight 47 g

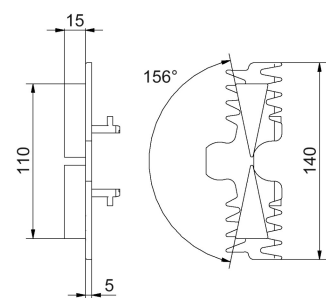
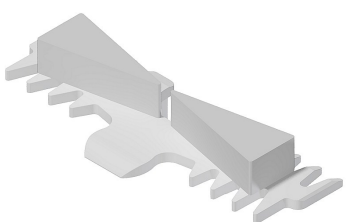
Part no. 140-2081



Top flight with carrier

For S140 and S540
Weight 50 g

Part no. 140-2179



Series 140

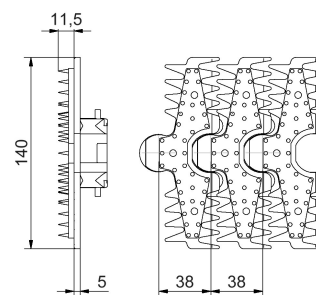
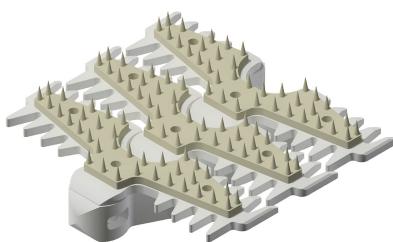
Friction chain

Friction chain with soft tip

For S140 and S540

Weight 1,695 kg/m

Part no. 140-2110



Top flight for friction chain with soft tip

Weight 36 g

Part no. 140-2111

Series 140

140-30

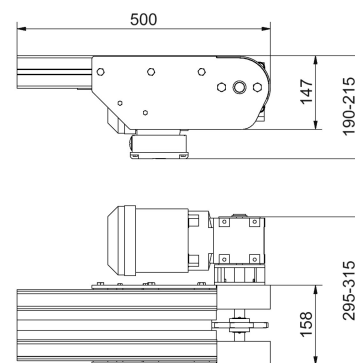
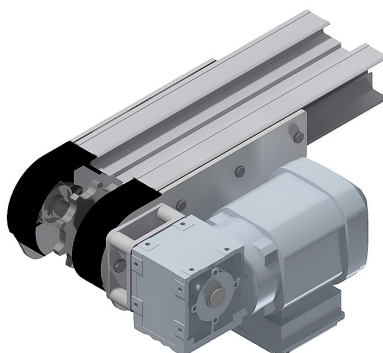
Drive unit with direct transmission S140.
IP55.

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

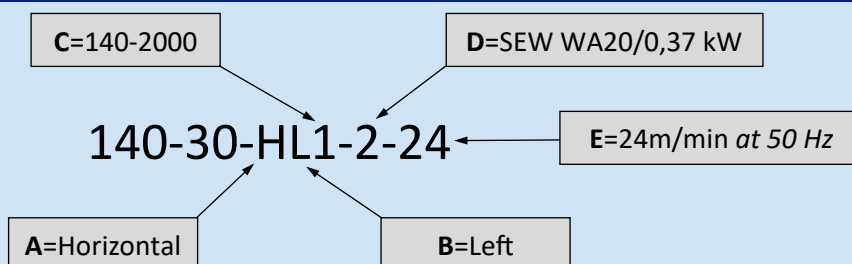
If needed, roller transfers and brackets can be found on page 35.

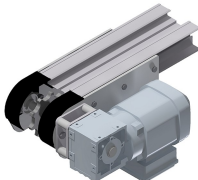
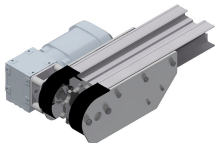
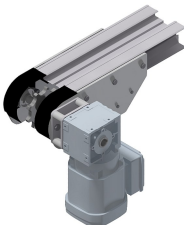
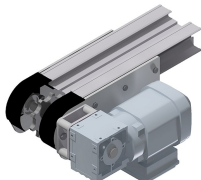
Weight without motor 4500 g

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</u> <u>Power</u>	E: <u>Speed m/min</u> <u>at 50 Hz</u>
H: Horizontal 	R: Right 	1: 140-2000 140-2010		1: SEW WA20 0,25 kW	8 18 34 10 20 47 12 25 15 29
		2: 140-2081		2: SEW WA20 0,37 kW	18 34 20 48 25 30
V: Vertical 	L: Left 	3: 140-2079 140-2110 140-2179		3: SEW WA30 0,37 kW	6 15 30 8 18 34 10 20 48 12 25
				4: SEW WA30 0,55 kW	15 34 18 48 20 30
					W Without motor/gear. Assembly position and shaft prepared for selected place- ment. More options —————→

Series 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 25 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	

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 37	42 47	
13: Lenze G500-B110 0,55 kW	17 20 22 25	28 31 39 43	47
14: Lenze Smart Motor G500-B45 max 0,47 kW	Adjustable speed 6-31 m/min		
15: Lenze Smart Motor G500-B45 max 0,47 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 on page 35.

Series 140

Cont. 140-30

Bracket for roller transfer and connecting strip between conveyors

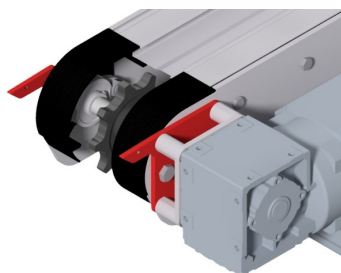
The following configuration is listed on order number 140-30-ABC-D-E **with one additional letter**.

D = 900-7300 and 900-7325.

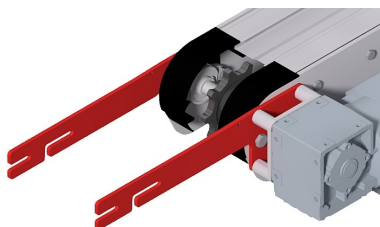
E = 900-7310 and 900-7320, 7 mm level difference.

Order example: 140-30-HL1-2-24-**D**

D



E



Bracket for roller transfer and connecting strip including roller transfer

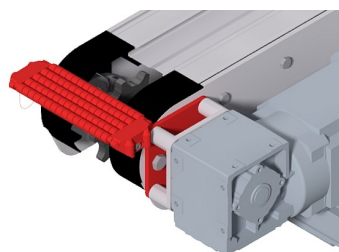
The following configuration is listed on the existing order number 140-30-ABC-D-E– **with two extra letters**.

DR = 900-7300, 900-7325 and 900-7420.

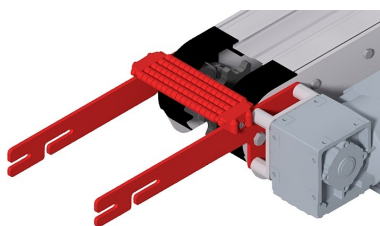
ER = 900-7310, 900-7320 and 900-7420, 7 mm level difference.

Order example: 140-30-HL1-2-24-**DR**

DR



ER



Series 140

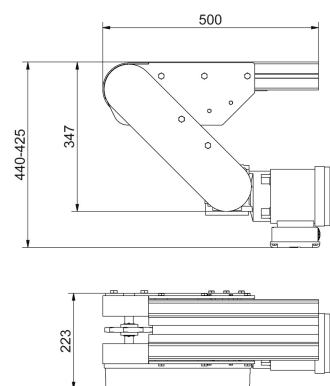
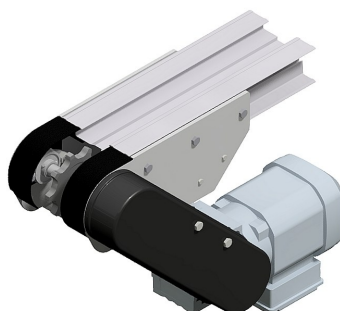
140-31

Drive unit with suspended motor with chain transmission S140.
IP55.

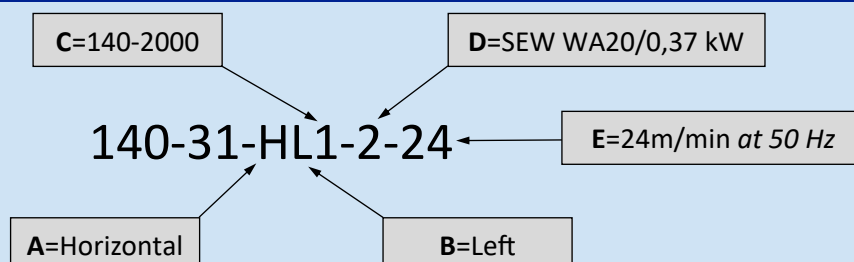
Configuration of default drive

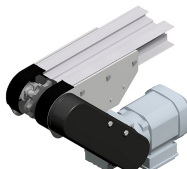
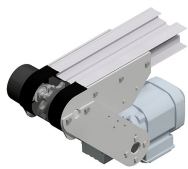
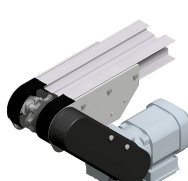
140-31-ABC-D-E.

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



Order example



A: <u>Assembly position</u>	B: <u>Placement</u>	C: <u>Conveyor chain</u>	-	D: <u>Motor/gear</u> <u>Power</u>	E: <u>Speed m/min</u> <u>at 50 Hz</u>
H: Horizontal 	R: Right 	1: 140-2000 140-2010		1: SEW WA20 0,25 kW	81834 102047 1225 1529
		2: 140-2081		2: SEW WA20 0,37 kW	1834 2048 25 30
V: Vertical 	L: Left 	3: 140-2079 140-2110 140-2179		3: SEW WA30 0,37 kW	61530 81834 102048 1225
				4: SEW WA30 0,55 kW	1534 1848 20 30
					W Without motor/gear. Assembly position and shaft prepared for selected place- ment. More options 

Series 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 25 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	

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 37	42 47	
13: Lenze G500-B110 0,55 kW	17 20 22 25	28 31 39 43	47
14: Lenze Smart Motor G500-B45 max 0,47 kW	Adjustable speed 6-31 m/min		
15: Lenze Smart Motor G500-B45 max 0,47 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 on page 38.

Series 140

Cont. 140-31

Bracket for roller transfer and connecting strip between conveyors

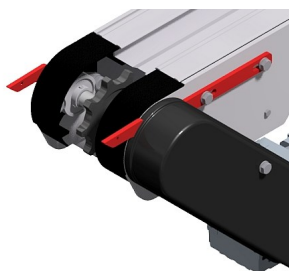
The following configuration is listed on order number 140-31-ABC-D-E- **with an additional letter**.

D = 900-7325.

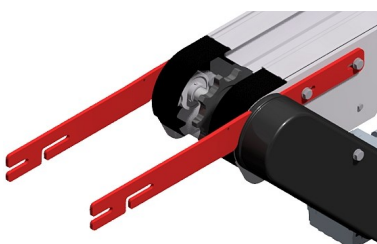
E = 900-7320, 7 mm level difference.

Order example: 140-31-HL1-2-24-**D**

D



E



Bracket for roller transfer and connecting strip including roller transfer

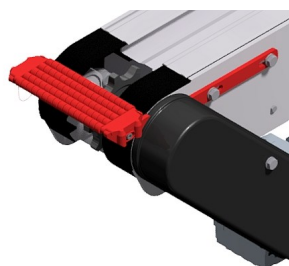
The following configuration is listed on the existing order number 140-31-ABC-D-E- **with two extra letters**.

DR = 900-7325 and 900-7420.

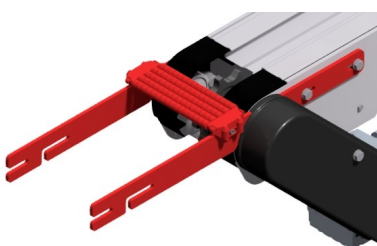
ER = 900-7320 and 900-7420, 7 mm level difference.

Order example: 140-31-HL1-2-24-**DR**

DR



ER



Series 140

140-32

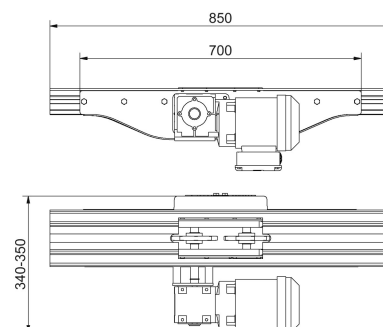
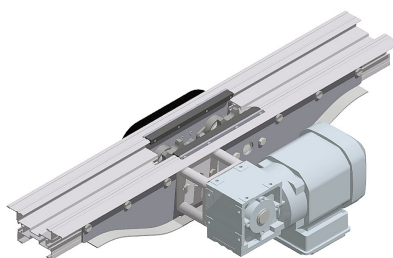
Drive unit with intermediate motor and return chain S140.

IP55.

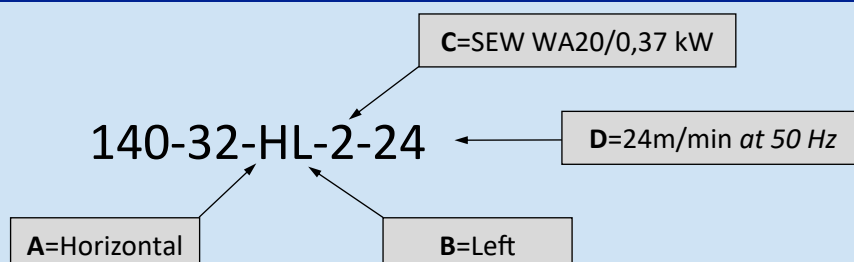
Configuration of default drive

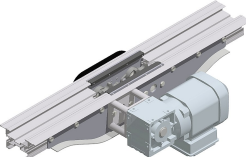
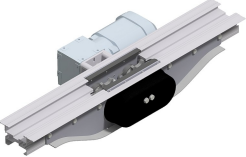
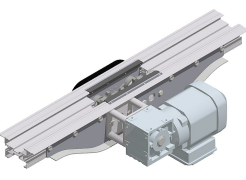
140-32-AB-C-D.

Use 140-4055 as front idler unit.



Order example



A: <u>Assembly position</u>	B: <u>Placement</u>	-	C: <u>Motor/gear</u> <u>Power</u>	D: <u>Speed m/min</u> <u>at 50 Hz</u>
H: Horizontal 	R: Right 		1: SEW WA20 0,25 kW 2: SEW WA20 0,37 kW	8 18 34 10 20 47 12 25 15 29 18 34 20 48 25 30
V: Vertical 	L: Left 		3: SEW WA30 0,37 kW 4: SEW WA30 0,55 kW	6 15 30 8 18 34 10 20 48 12 25 15 34 18 48 20 30
				W Without motor/gear. Assembly position and shaft prepared for selected place- ment. More options →

Series 140

Cont. 140-32

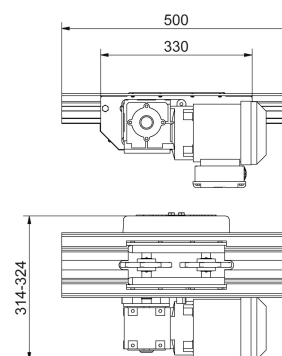
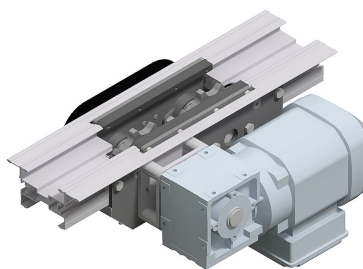
C: Motor/gear Power	D: Speed m/min at 50 Hz		
5: SEW SA37 0,37 kW	8 10 13 16	19 25 27 31	36
6: Lenze G500-B45 0,18 kW	13 15 17 19	21 25 28 31	36 41 45
7: Lenze G500-B110 0,18 kW	8 10 12 15	19 21 25 33	38 41
8: Lenze G500-B45 0,25 kW	19 22 25 28	32 36 41 46	
9: Lenze G500-B110 0,25 kW	11 12 15 19	21 25 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 37	42 47	
13: Lenze G500-B110 0,55 kW	17 20 22 25	28 31 39 43	47
14: Lenze Smart Motor G500-B45 max 0,47 kW	Adjustable speed 6-31 m/min		
15: Lenze Smart Motor G500-B45 max 0,47 kW	Adjustable speed 10-50 m/min		
	W Without motor/gear. Assembly position and shaft prepared for selected place- ment.		

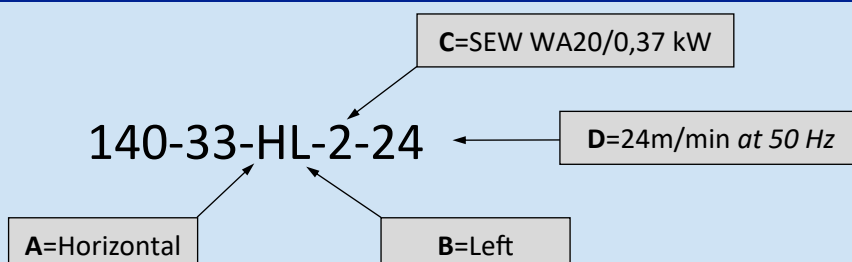
Series 140

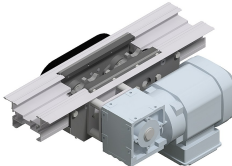
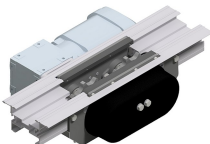
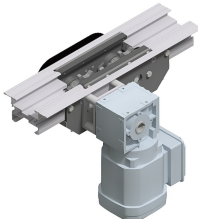
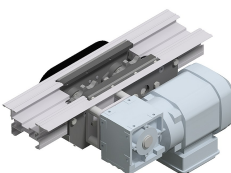
140-33

Catenary drive unit for
circuit conveyor S140.
IP55.
Configuration of default drive
140-33-AB-C-D.



Order example



A: <u>Assembly position</u>	B: <u>Placement</u>	-	C: <u>Motor/gear</u> <u>Power</u>	D: <u>Speed m/min</u> <u>at 50 Hz</u>												
H: Horizontal 	R: Right 		1: SEW WA20 0,25 kW	<table><tr><td>8</td><td>18</td><td>34</td></tr><tr><td>10</td><td>20</td><td>47</td></tr><tr><td>12</td><td>25</td><td></td></tr><tr><td>15</td><td>29</td><td></td></tr></table>	8	18	34	10	20	47	12	25		15	29	
8	18	34														
10	20	47														
12	25															
15	29															
			2: SEW WA20 0,37 kW	<table><tr><td>18</td><td>34</td><td></td></tr><tr><td>20</td><td>48</td><td></td></tr><tr><td>25</td><td></td><td></td></tr><tr><td>30</td><td></td><td></td></tr></table>	18	34		20	48		25			30		
18	34															
20	48															
25																
30																
V: Vertical 	L: Left 		3: SEW WA30 0,37 kW	<table><tr><td>6</td><td>15</td><td>30</td></tr><tr><td>8</td><td>18</td><td>34</td></tr><tr><td>10</td><td>20</td><td>48</td></tr><tr><td>12</td><td>25</td><td></td></tr></table>	6	15	30	8	18	34	10	20	48	12	25	
6	15	30														
8	18	34														
10	20	48														
12	25															
			4: SEW WA30 0,55 kW	<table><tr><td>15</td><td>34</td><td></td></tr><tr><td>18</td><td>48</td><td></td></tr><tr><td>20</td><td></td><td></td></tr><tr><td>30</td><td></td><td></td></tr></table>	15	34		18	48		20			30		
15	34															
18	48															
20																
30																
				W Without motor/gear. Assembly position and shaft prepared for selected place- ment. More options —————→												

Series 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 25 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 37	42 47	
13: Lenze G500-B110 0,55 kW	17 20 22 25	28 31 39 43	47
14: Lenze Smart Motor G500-B45 max 0,47 kW	Adjustable speed 6-31 m/min		
15: Lenze Smart Motor G500-B45 max 0,47 kW	Adjustable speed 10-50 m/min		
	W Without motor/gear. Assembly position and shaft prepared for selected place- ment.		

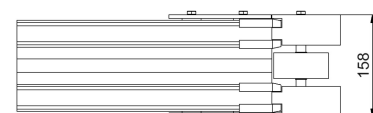
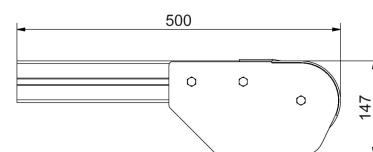
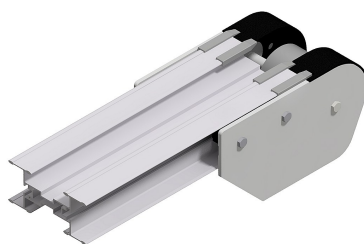
Series 140

Idler unit

Standard idler unit to S140

Weight 2900 g

Part no. 140-4005

**Bracket for roller transfer and bracket including roller transfer**

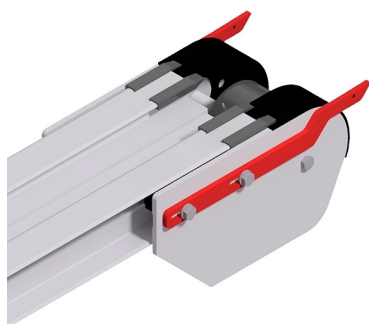
The following configuration is listed on order number 140-4005- **with an additional letter**.

D = 900-7330.

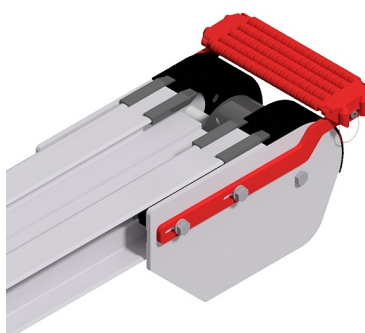
DR = 900-7330 and 900-7420.

Order example: 140-4005-**D**

D



DR

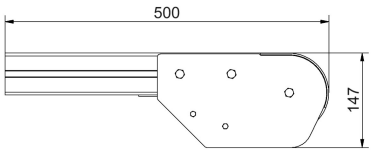
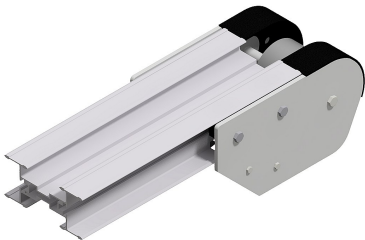


Series 140

Idler unit

Used as front idler unit for conveyor where drive unit 140-32 is included.
Configuration of idler unit
Part no. 140-4055-A

If needed, roller transfers and brackets can be found on page 45.



Order example

A=140-2000

140-4055-1

A: Conveyor chain		
1: 140-2000 140-2010	2: 140-2081	3: 140-2079 140-2110 140-2179

Series 140

Cont. 140-4055-A

Bracket for roller transfer and connecting strip between conveyors

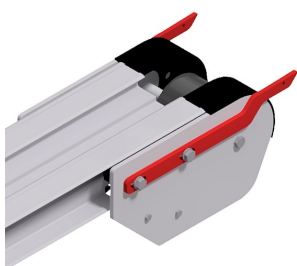
The following configuration is listed on order number 140-4055-A- **with one additional letter**.

D = 900-7325

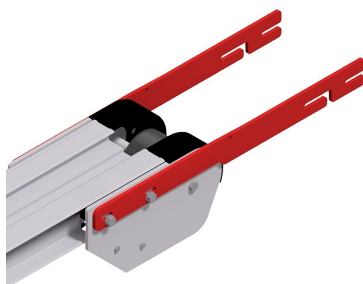
E = 900-7320, 7 mm level difference.

Order example: 140-4055-1-**D**

D



E



Bracket for roller transfer and connecting strip including roller transfer

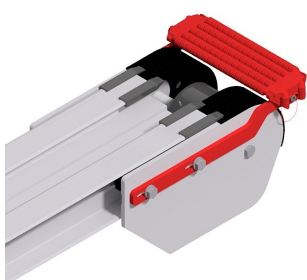
The following configuration is listed on the existing order number 140-4055-A- **with two extra letters**.

DR = 900-7325 and 900-7420.

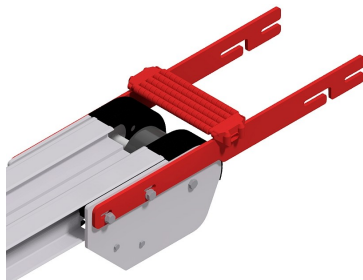
ER = 900-7320 and 900-7420, 7 mm level difference.

Order example: 140-4055-1-**DR**

DR



ER



Series 140

Wheel bend

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

Wheel bend configuration

Part no. 140-5055-A

A= Angle of bend

Standard angles for R200

A = 45°

A = 90°

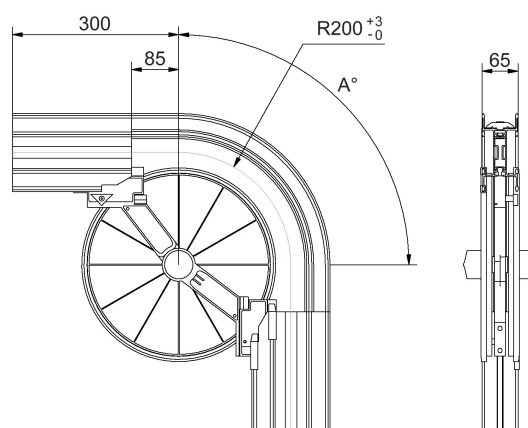
A = 180°

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

Order example

140-5055-45

A= 45°



Series 140

Adjustable support assembly

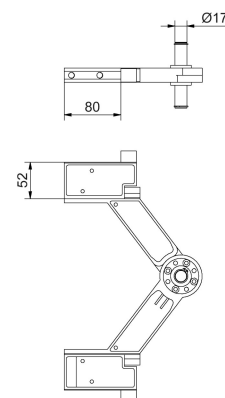
Support assembly for wheel bend R200 and S140

Complete with shaft

Zink die-cast and stainless steel

Weight 1380 g

Part no. 830-5056



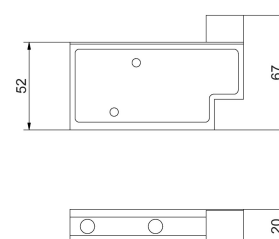
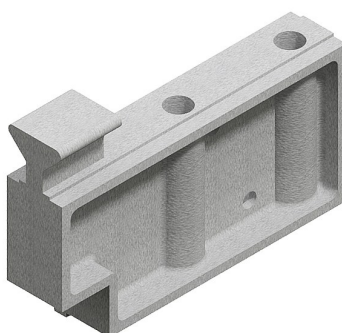
Spacer

For adjustable support assembly

Zink die-cast

Weight 240 g

Part no. 830-5057



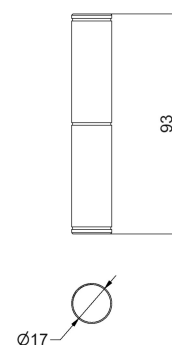
Shaft

For wheel bend curve R200

Stainless steel

Weight 22 g

Part no. 830-5058



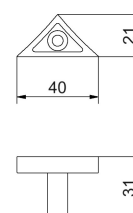
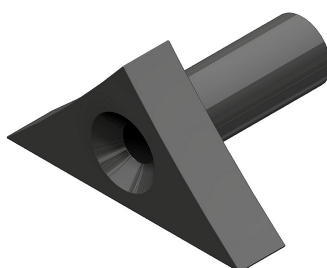
Pinch guard

For wheel bend R200

Black polyamide

Weight 11 g

Part no. 140-5059

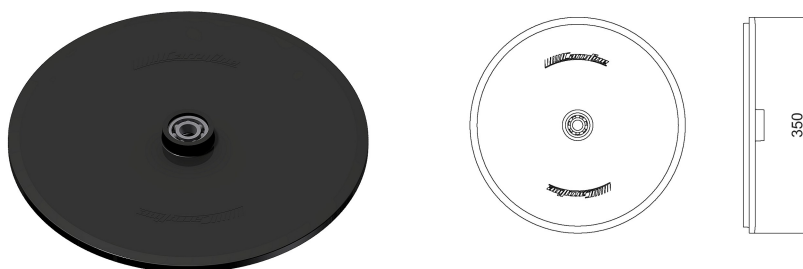


Series 140

Wheel bend disc

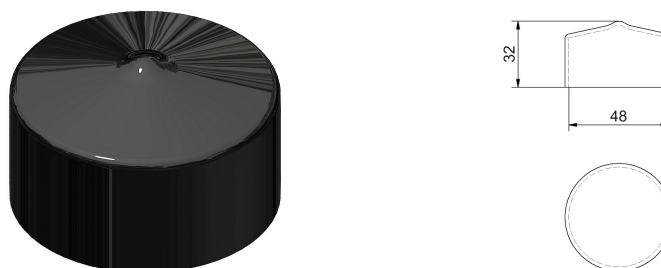
To wheel bend R200
Complete with bearing 6203-2Z
Black nylon
Weight 825 g

Part no. 830-5060

**Plastic cover**

To wheel bend Ø350
Black pvc
Weight 15 g

Part no. 830-5062



Series 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°

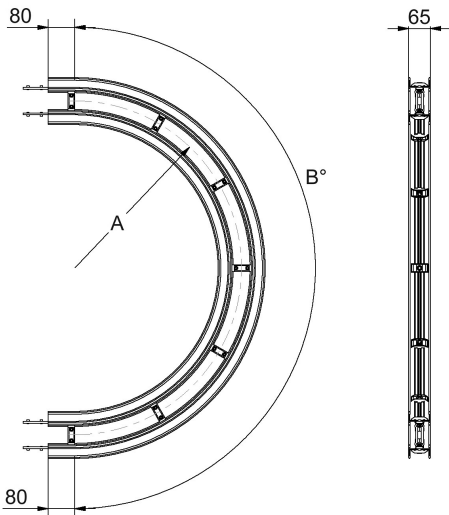
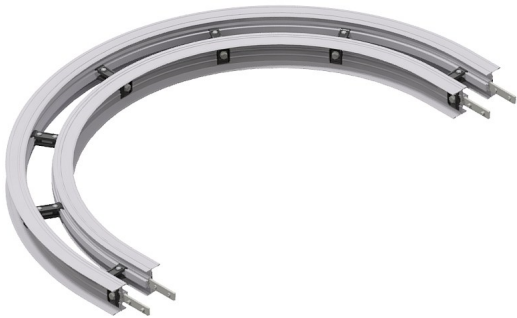
Other radius and angles are manufactured on request

Order example

140-5375-600-90

A= 600 mm

B= 90°



Series 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

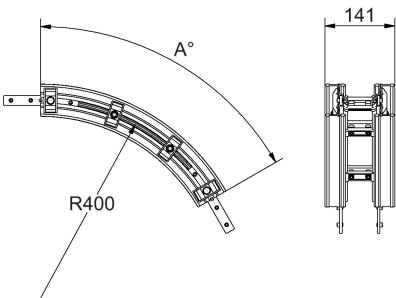
Standard angles for R400
A = 10°
A = 15°
A = 20°
A = 30°
A = 45°
A = 60°
A = 90°

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

Order example

140-5645-45

A= 45°



Series 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

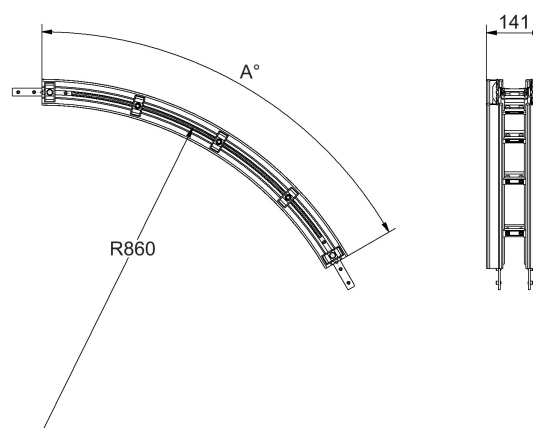
Standard angles for R860
A = 5°
A = 10°
A = 15°
A = 20°
A = 30°
A = 45°
A = 60°
A = 90°

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

Order example

140-5695-45

A= 45°





S200

