Series 540

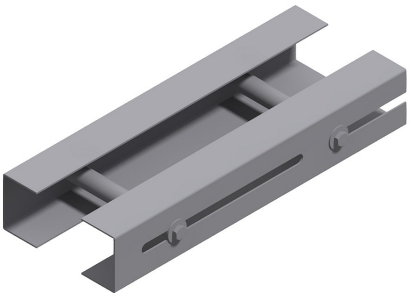
Technical specification S540	
Width of chain	140 mm
Chain pitch	38 mm
Width conveyor profile	141 mm
Height conveyor	80 mm
Radius conveyor chain on the drive and idler unit	70 mm
Max. permitted traction on the conveyor chain	1250 N
Weight conveyor	≈ 8 kg/m **
Recommended maximum load on conveyor	≈ 200 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	Stainless steel

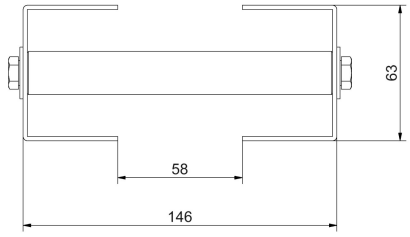
* Recommended maximum length depends on the design, load and number of bends.
** The weight of the conveyor depends on which type of chain, guide rail and guide rail bracket.

Conveyor profile S540

Stainless steel
Weight 5150 g/m
Length 2.48 m

Part no. 540-1000

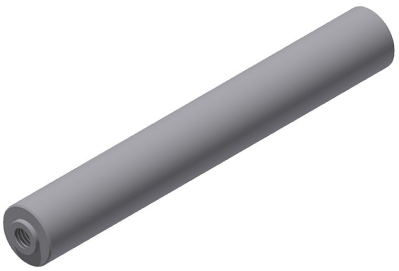


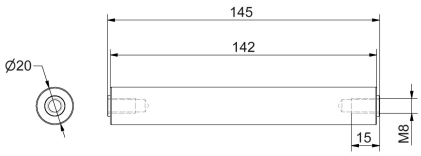


Spacer

For 540-1000
Stainless steel
Weight 350 g

Part no. 540-1030





Including stainless steel fasteners
Part no. 540-1035

Conveyor chain S140

Acetal, nylon and stainless steel.
Standard version top flights are made of white acetal which is food approved
Allowed traction force 500 N.
Specified dimensions may vary up to 2%

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

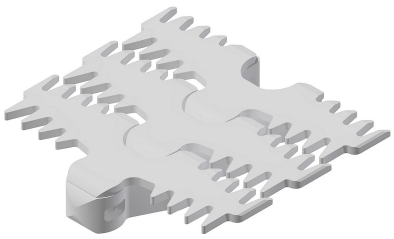
L = Low friction
V = Heat resistance
A = Antistatic
F = Flocked

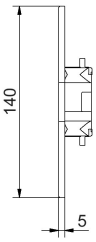
Order example 140-2000**L**

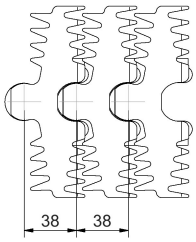
Finger chain

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

Part no. 140-2000
Part no. 140-2000-BLUE





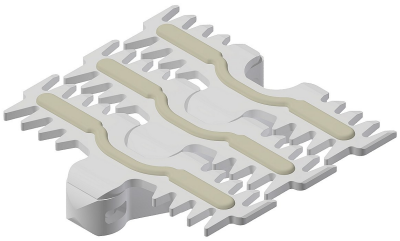


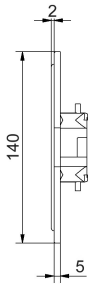
Top flight for standard chain
Weight 27 g
Part no. 140-2001
Part no. 140-2001-BLUE

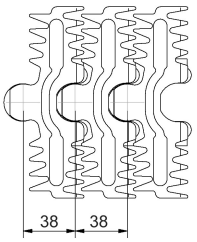
Finger chain friction

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

Part no. 140-2010
Part no. 140-2010-BLUE







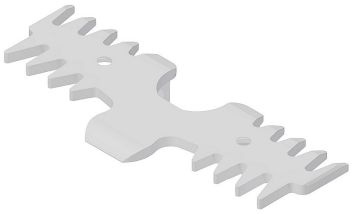
Top flight for friction chain
Weight 28 g
Part no. 140-2011
Part no. 140-2011-BLUE

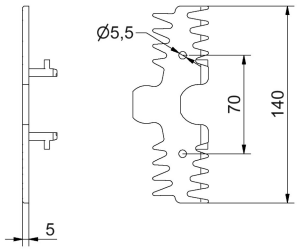
Series 540

Top flight for carrier

For S140 and S540
Weight 26 g

Part no. 140-2075

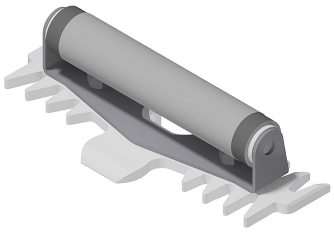


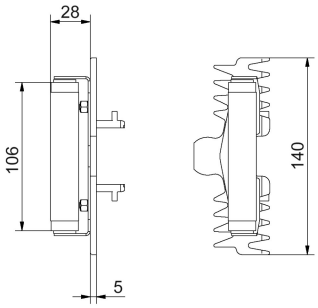


Top flight with roller carrier

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

Part no. 140-2079

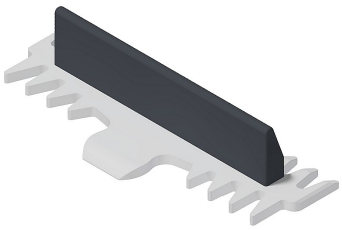


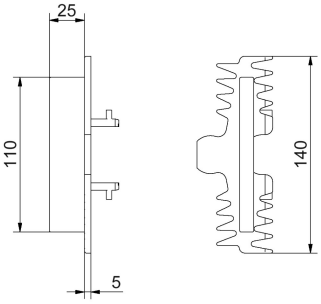


Top flight with carrier

For S140 and S540
Weight 47 g

Part no. 140-2081

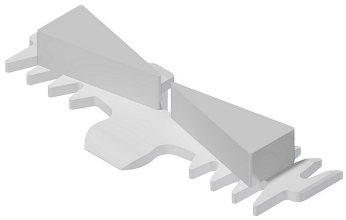


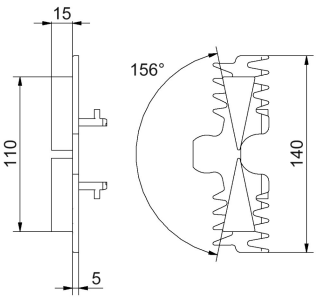


Top flight with carrier

For S140 and S540
Weight 50 g

Part no. 140-2179



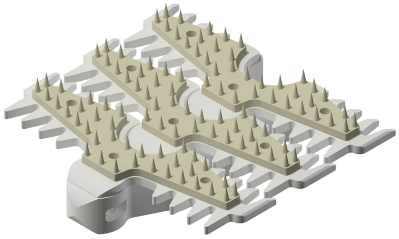


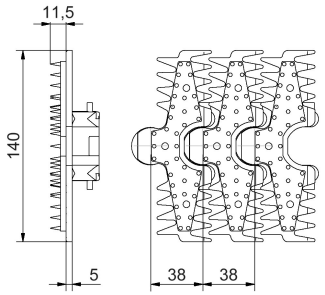
Series 540

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

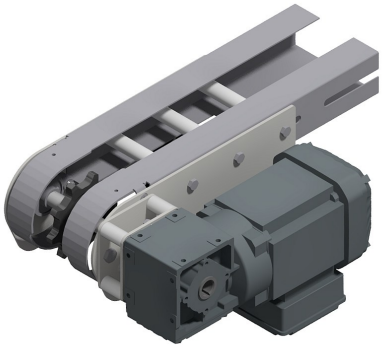
Series 540

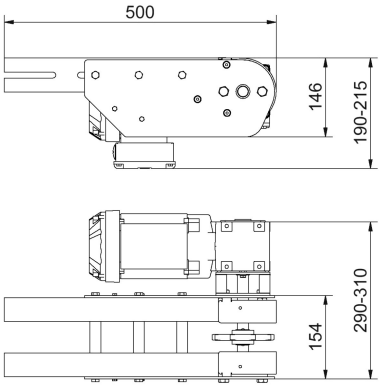
540-30

Drive unit with direct transmission S540.
IP55 and stainless steel hollow shaft.
Configuration of default drive with direct transmission **540-30-ABC-D-E**.

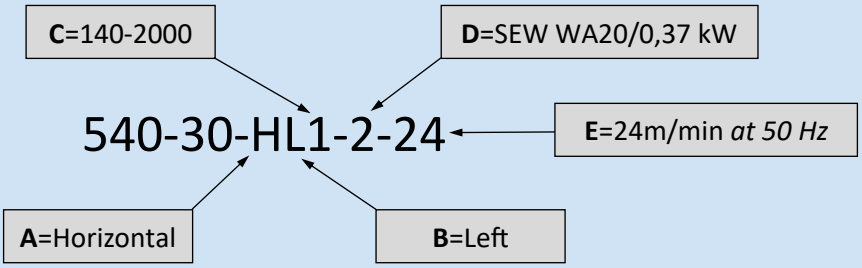
If needed, roller transfers and brackets can be found on page 88.

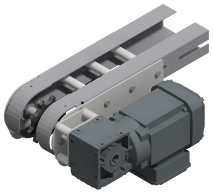
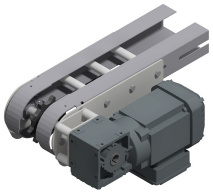
Weight without motor 8150 g
Weight with motor 15150-21150 g





Order example



A: Assembly position	B: Placement	C: Conveyor chain	-	D: Motor/gear Power	E: Speed m/min at 50 Hz
H: Horizontal 	**R**: Right 	**1**: 140-2000 140-2010		**1**: SEW WA20 0,25 kW	8 10 12 15 18 20 25 29 34 47
		2: 140-2081		**2**: SEW WA20 0,37 kW	18 20 25 30 34 48
V: Vertical 	**L**: Left 	**3**: 140-2079 140-2110 140-2179		**3**: SEW WA30 0,37 kW	6 8 10 12 15 18 20 25 30 34 48
				4: SEW WA30 0,55 kW	15 18 20 30 34 48
					W Without motor/gear. Assembly position and shaft prepared for selected placement.

More options →

Series 540

Cont. 540-30

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 placement.		

If needed, roller transfers and brackets can be found on page 88.

Series 540

Cont. 540-30

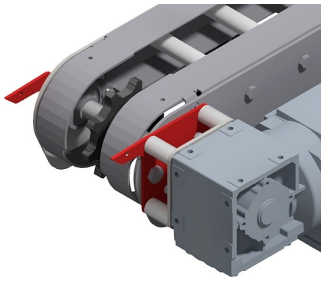
Bracket for roller transfer and connecting strip between conveyors

The following configuration is listed on order number 540-30-ABC-D-E- **with one additional letter.**

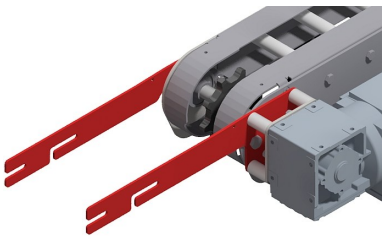
D = 500-7300 and 500-7325.
E = 500-7310 and 500-7320, 7 mm level difference.

Order example: 540-30-HL1-2-24-**D**

D



E



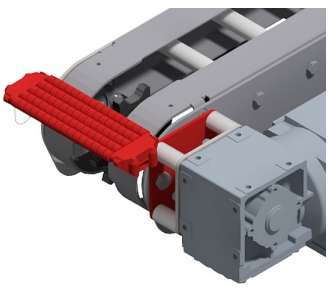
Bracket for roller transfer and connecting strip including roller transfer

The following configuration is listed on the existing order number 540-30-ABC-D-E– **with two extra letters**.

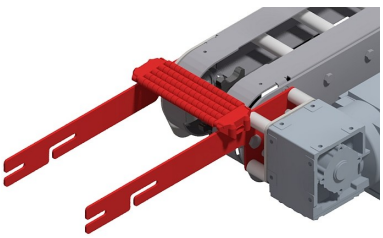
DR = 500-7300, 500-7325 and 500-7420.
ER = 500-7310, 500-7320 and 500-7420, 7 mm level difference.

Order example: 540-30-HL1-2-24-**DR**

DR



ER

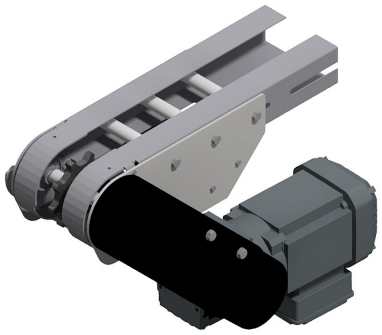


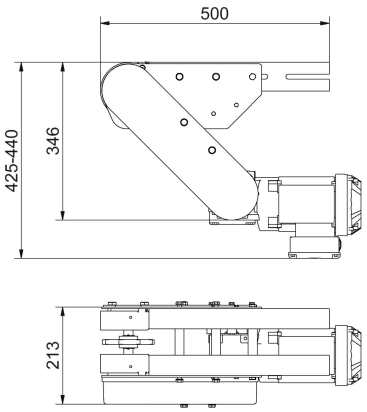
Series 540

540-31

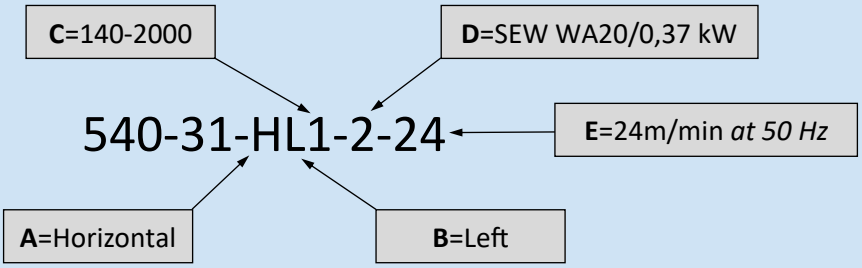
Drive unit with suspended motor with chain transmission S540.
IP55 and stainless steel hollow shaft.
Configuration of default drive unit **540-31-ABC-D-E**.

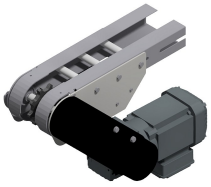
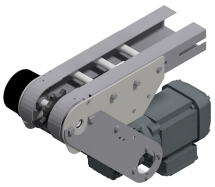
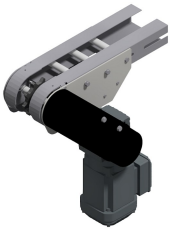
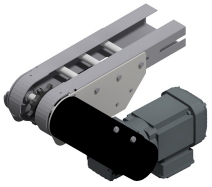
If needed, roller transfers and brackets can be found on page 91.





Order example



A: Assembly position	B: Placement	C: Conveyor chain	-	D: Motor/gear Power	E: Speed m/min at 50 Hz
H: Horizontal 	**R**: Right 	**1**: 140-2000 140-2010		**1**: SEW WA20 0,25 kW	8 10 12 15 18 20 25 29 34 47
		2: 140-2081		**2**: SEW WA20 0,37 kW	18 20 25 30 34 48
V: Vertical 	**L**: Left 	**3**: 140-2079 140-2110 140-2179		**3**: SEW WA30 0,37 kW	6 8 10 12 15 18 20 25 30 34 48
				4: SEW WA30 0,55 kW	15 18 20 30 34 48
					W Without motor/gear. Assembly position and shaft prepared for selected placement.

More options →

Series 540

Cont. 540-31

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 placement.		

If needed, roller transfers and brackets can be found on page 91.

Series 540

Cont. 540-31

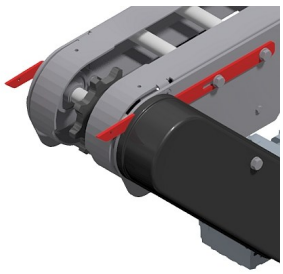
Bracket for roller transfer and connecting strip between conveyors

The following configuration is listed on order number 540-31-ABC-D-E- **with one additional letter**.

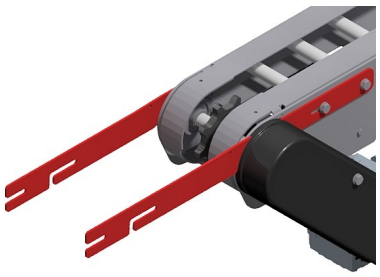
D = 500-7325.
E = 500-7320, 7 mm level difference.

Order example: 540-31-HL1-2-24-**D**

D



E



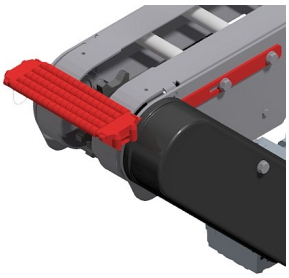
Bracket for roller transfer and connecting strip including roller transfer

The following configuration is listed on the existing order number 540-31-ABC-D-E– **with two extra letters**.

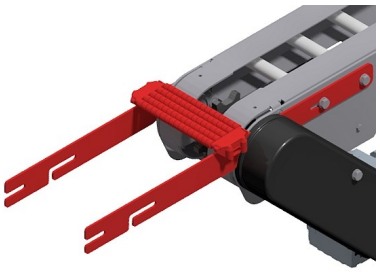
DR = 500-7325 and 500-7420.
ER = 500-7320 and 500-7420, 7 mm level difference.

Order example: 540-31-HL1-2-24-**DR**

DR



ER

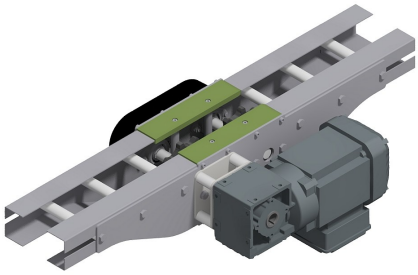


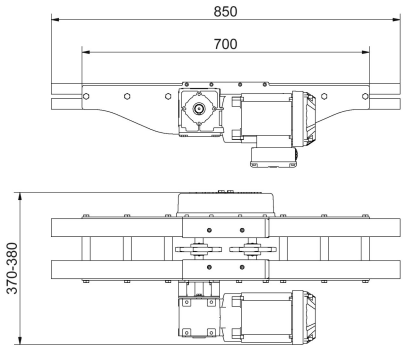
Series 540

540-32

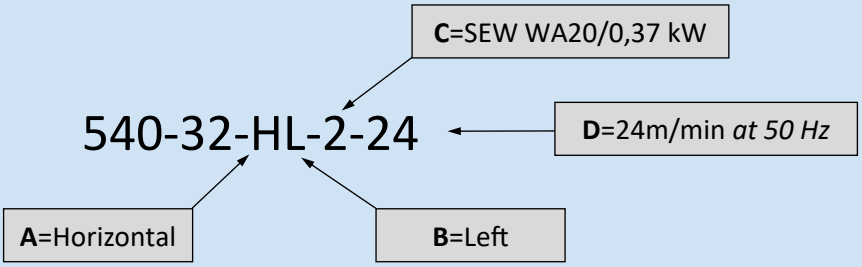
Drive unit with intermediate motor and returnchain S540.
IP55 and stainless steel hollow shaft.
Configuration of default drive unit **540-32-AB-C-D**.

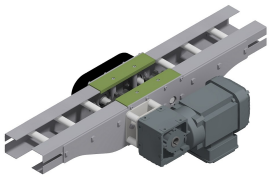
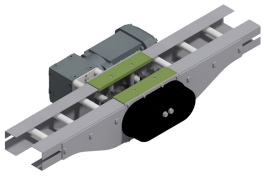
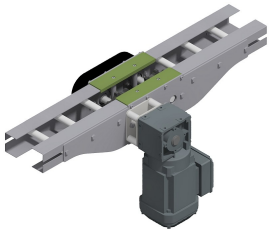
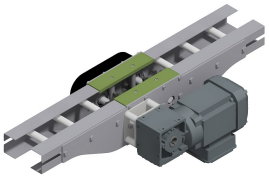
Use 540-4055 as front idler unit





Order example



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

Series 540

Cont. 540-32

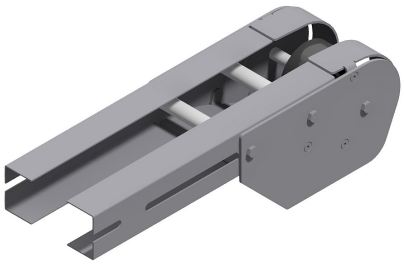
C: Motor/gear Power	D: Speed m/min at 50 Hz		
5: SEW SA37 0,37 kW	8 10 13 16	19 25 27 31	36
6: Lenze G500-B45 0,18 kW	13 15 17 19	21 25 28 31	36 41 45
7: Lenze G500-B110 0,18 kW	8 10 12 15	19 21 25 33	38 41
8: Lenze G500-B45 0,25 kW	19 22 25 28	32 36 41 46	
9: Lenze G500-B110 0,25 kW	11 12 15 19	21 25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

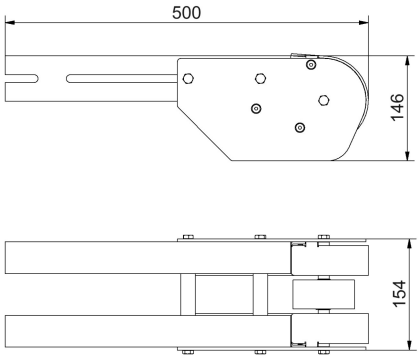
C: Motor/gear Power	D: Speed m/min at 50 Hz		
11: Lenze G500-B110 0,37 kW	11 13 16 20	22 25 28 32	34 39 43 47
12: Lenze G500-B45 0,55 kW	26 28 32 37	42 47	
13: Lenze G500-B110 0,55 kW	17 20 22 25	28 31 39 43	47
14: Lenze Smart Motor G500-B45 max 0,47 kW	Adjustable speed 6-31 m/min		
15: Lenze Smart Motor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

Idler unit

Standard idler unit for S540
Vikt 5600 g

Part no. 540-4000





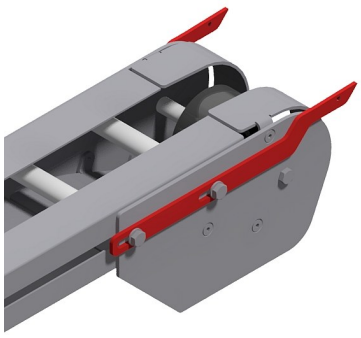
Bracket for roller transfer and bracket including roller transfer

The following configuration is listed on the existing order number 540-4000- **with one/or two additional letter**.

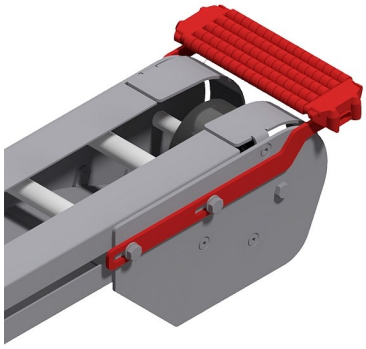
D = 500-7330.
DR = 500-7330 and 500-7420.

Order example: 540-4000-**D**

D



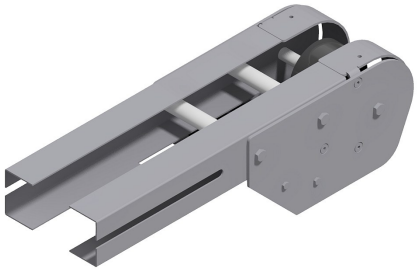
DR

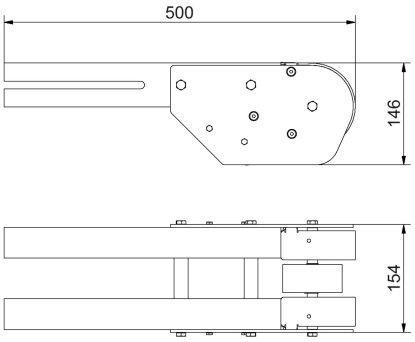


Idler unit

Used as front idler unit for conveyor where drive unit 540-32 is included.
Configuration of idler unit
Part no. 540-4055-A.

If needed, roller transfers and brackets can be found on page 96.





Order example

540-4055-1 ← **A=140-2000**

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

Series 540

Cont. 540-4055-A

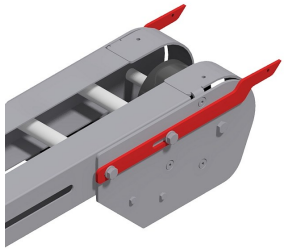
Bracket for roller transfer and connecting strip between conveyors

The following configuration is listed on order number 540-4055-A- **with one additional letter**.

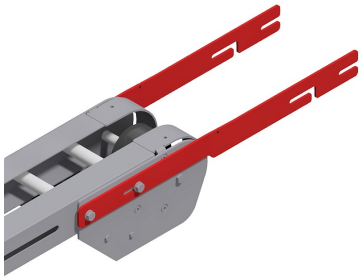
D = 500-7325.
E = 500-7320, 7 mm level difference.

Order example: 540-4055-1-**D**

D



E



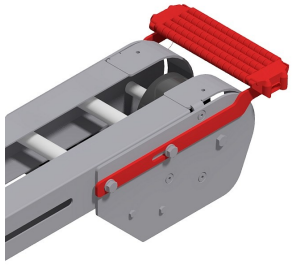
Bracket for roller transfer and connecting strip including roller transfer

The following configuration is listed on the existing order number 540-4055-A- **with two extra letters**.

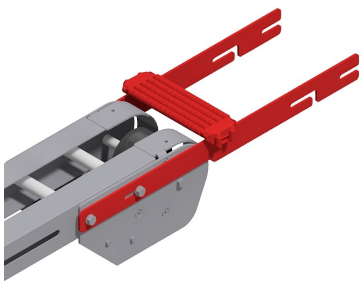
DR = 500-7325 and 500-7420.
ER = 500-7320 and 500-7420, 7 mm level difference.

Order example: 540-4055-1-**DR**

DR



ER



Wheel bend

Standard wheel bend S540 whit R200 mm
Stainless steel and wheel in plastic

Configuration of default wheel bend
Part no. 540-5055-A

A= angle on bend

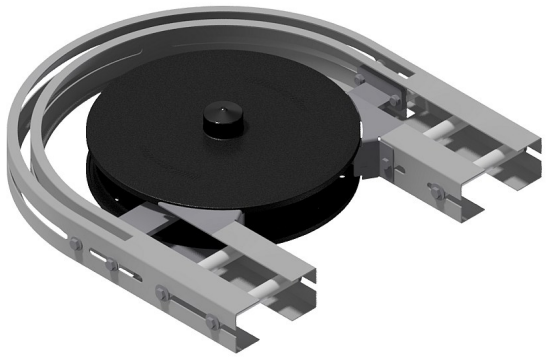
Standard angles for R200
A = 45°
A = 90°
A = 180°

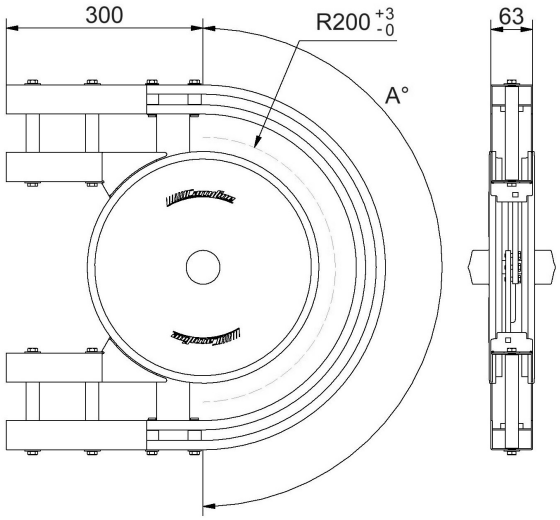
Other angles are manufactured on request
Conneting strip 500-4320 is ordered separately

Order example

540-5055-45

A= 45°



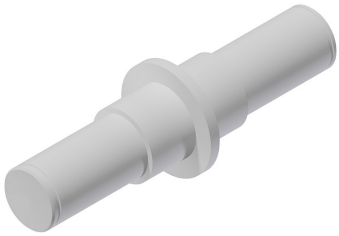


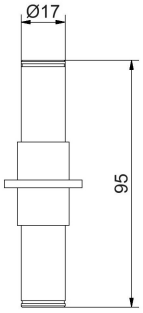
Series 540

Shaft

For wheel bend R200
Stainless steel
Weight 165 g

Part no. 14261_2

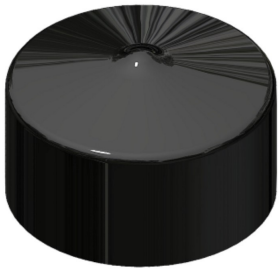


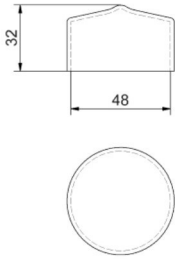


Plastic cover

For disc Ø350
Black PVC
Weight 15 g

Part no. 830-5062

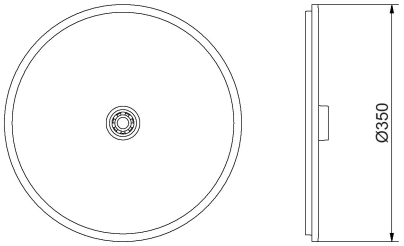




Disc

Upper disc for wheel bend R191
Complete with bearing SS6203-2RS
Black nylon
Weight 825 g

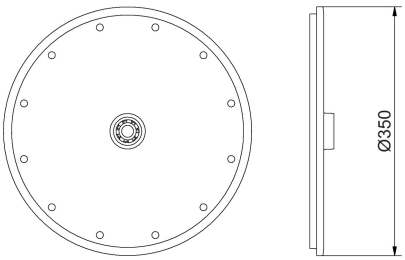
Part no. 530-5060



Disc

Lower disc for wheel bend R200
Complete with bearing SS6203-2RS
Black nylon
Weight 800 g

Part no. 17590



Plain bend

Standard plain bend S540
Stainless steel

Plain bend configuration
Part no. 540-5375-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°

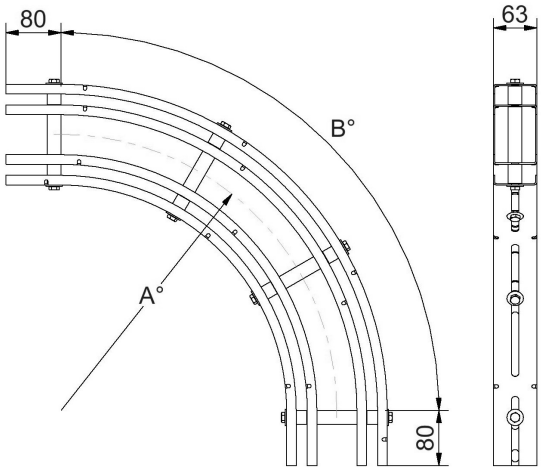
Other radius and angles are manufactured on request

Order example

540-5375-600-90

A= 600 mm

B= 90°



Vertical bend

Standard vertical bend R400
Stainless steel

Vertical bend configuration
Part no. 540-5645-A

A= angle on bend

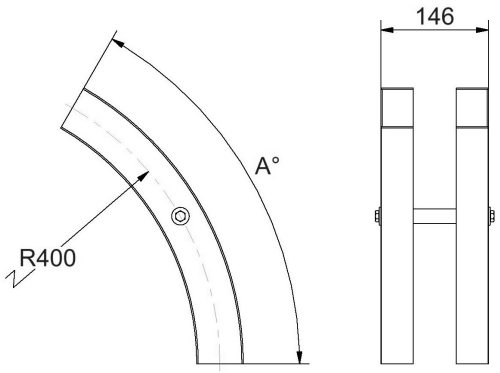
Standard angles for R400
A = 10°
A = 15°
A = 20°
A = 30°
A = 45°
A = 60°
A = 90°

Other radius and angles are manufactured on request
Minimum 10°

Order example

540-5645-45

A= 45°



Vertical bend

Standard vertical bend R860
Stainless steel

Vertical bend configuration
Part no. 540-5695-A

A= angle on bend

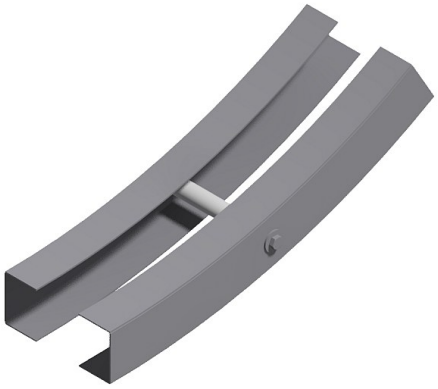
Standard angles for R860
A = 5°
A = 10°
A = 15°
A = 20°
A = 30°
A = 45°
A = 60°
A = 90°

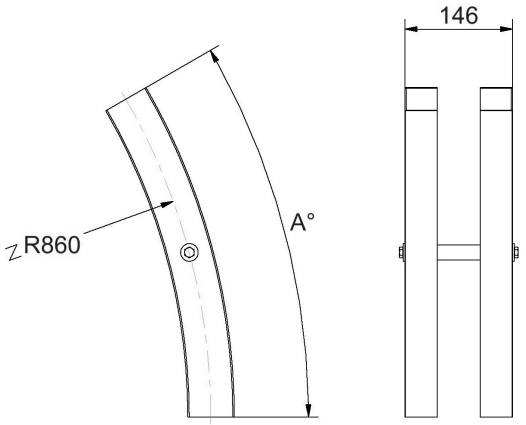
Other radius and angles are manufactured on request
Minimum 5°

Order example

540-5695-45

A= 45°





S560