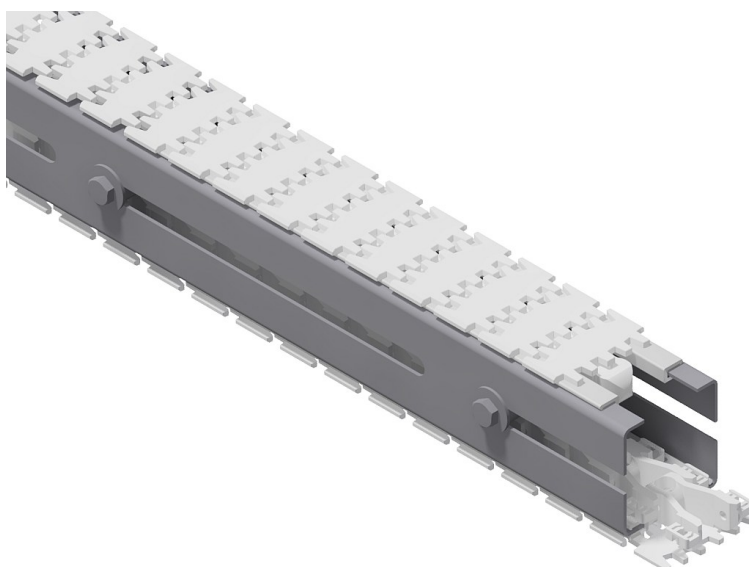


Series 520



Technical specification S520	
Width of chain	62 mm
Chain pitch	30 mm
Width conveyor profile	64 mm
Height conveyor	78 mm
Radius conveyor chain on the drive and idler unit	70 mm
Max. permitted traction on the conveyor chain	500 N
Weight conveyor	≈ 5 kg/m **
Recommended maximum weight on conveyor	≈ 105 kg *
Recommended maximum load	≈ 10 kg/m *
Recommended maximum length of conveyor	≈ 20 m *
Recommended maximum speed	60 m/min
Minimum radius on horizontal bend	R 191 mm
Wheel curve radius	R 141 mm and R191
Vertical bend radius	R 400 mm and R 860 mm
Motor	0,18 - 0,47 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.	

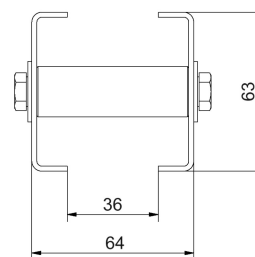
Series 520

Conveyor profile S520

Stainless steel

Weight 2800 g/m

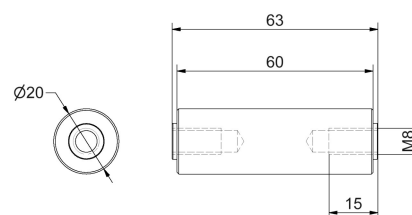
Length 2,48 m

Part no. 520-1000**Spacer**

For 520-1000

Stainless steel

Weight 150 g

Part no. 520-1030

Including stainless steel fasteners

Part no. 520-1035

Series 520

Conveyor chain S620

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, some links can be delivered in non-standard material.

Enter the following additional letter.

L = Low friction

V = Heat resistance

A = Antistatic

F = Flocked

Order example 620-2000L

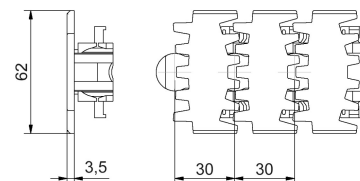
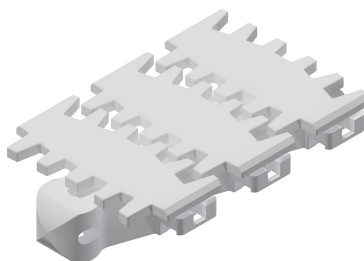
Finger chain

Slat standard chain for S620 and S520

Weight 760 g/m

Qty 33 pcs/m

Part no. 620-2000



Link for standard chain

Weight 17 g

Part no. 620-2001

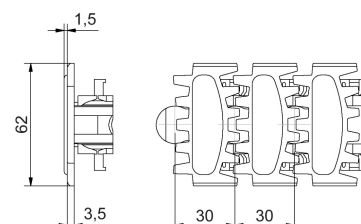
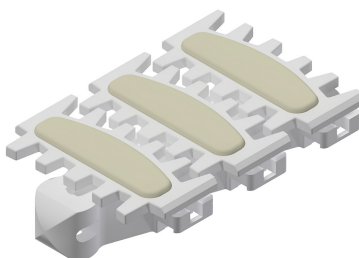
Finger chain friction

Standard chain with friction for S620 and S520

Weight 770 g/m

Qty 33 pcs/m

Part no. 620-2010



Link for friction chain

Weight 18 g

Part no. 620-2011

Series 520

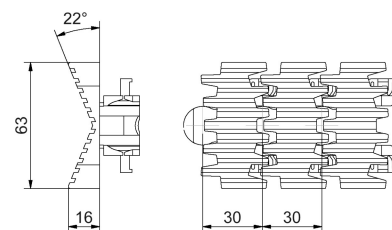
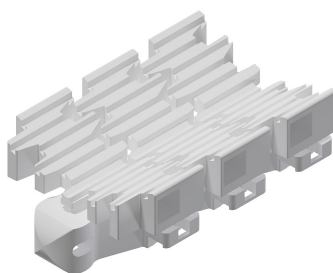
V-chain

For S620 and S520
Weight 880 g/m
Qty 33 pcs/m

Part no. 620-2130

Link for v-chain
Weight 25 g

Part no. 620-2131



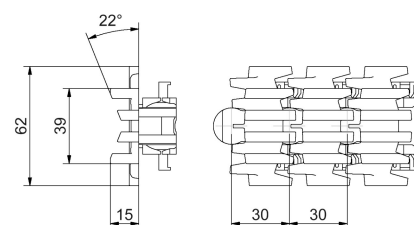
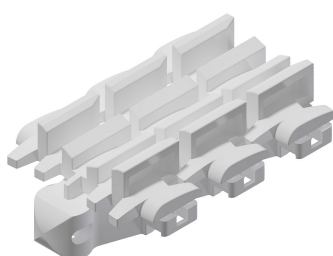
V-chain

For S620 and S520
Weight 890 g/m
Qty 33 pcs/m

Part no. 620-2135

Link for v-chain
Weight 23 g

Part no. 620-2136



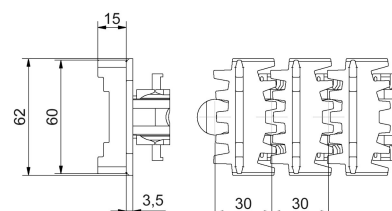
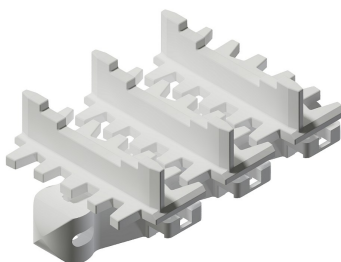
Chain with carrier

For S620 and S520
Weight 880 g/m
Qty 33 pcs/m

Part no. 620-2067

Link for carrier chain
Weight 21 g

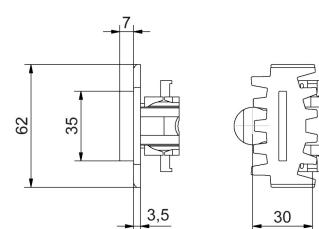
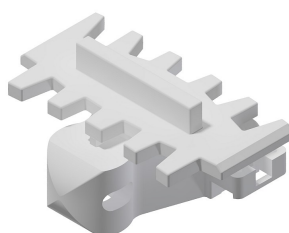
Part no. 620-2068



Link with carrier

For S620 and S520
Weight 19 g

Part no. 620-2065

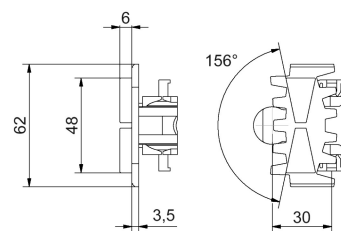
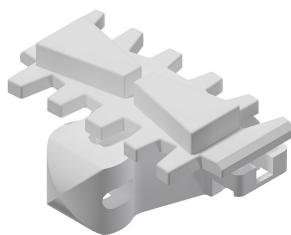


Series 520

Link with carrier

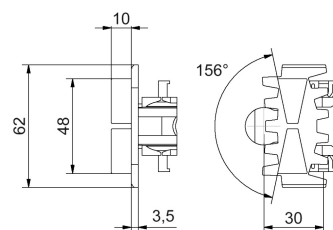
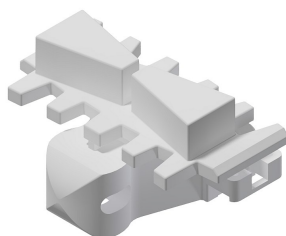
For S620 and S520

Weight 21 g

Part no. 620-2179**Link with carrier**

For S620 and S520

Weight 24 g

Part no. 620-2189

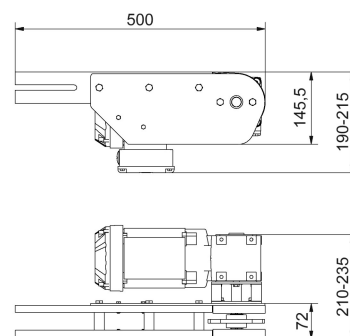
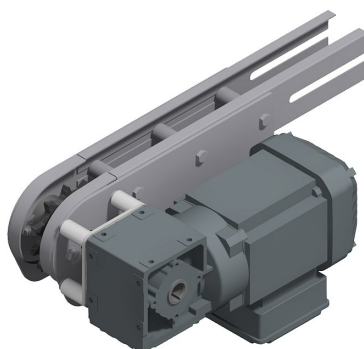
Series 520

520-30

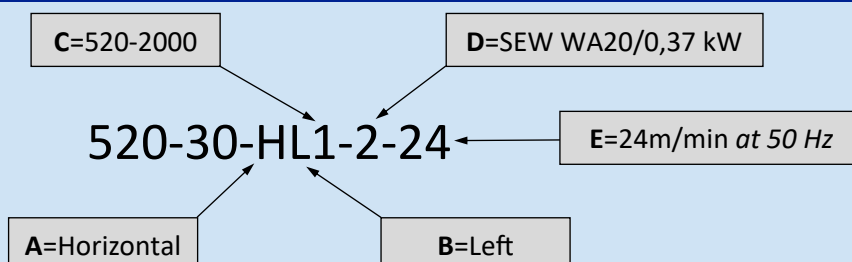
Drive unit with direct transmission
S520.
IP55 and stainless steel hollow shaft.
Configuration of default drive with
direct transmission **520-30-ABC-D-E**.

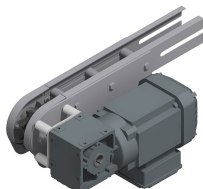
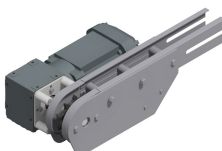
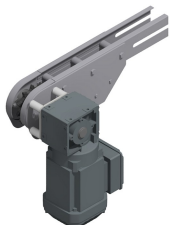
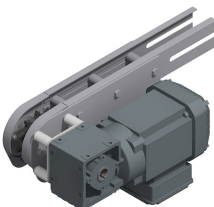
If needed, roller transfers and brackets
can be found on page 36.

Weight without motor 6000 g
Weight with motor 13000-19000 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: 620-2000 620-2010		1: SEW WA20 0,25 kW	8 18 34 10 20 47 12 25 59 15 29
		2: 620-2189 620-2179		2: SEW WA20 0,37 kW	18 34 20 48 25 59 30
V: Vertical 	L: Left 	3: 620-2065 620-2135		3: SEW WA30 0,37 kW	6 15 30 8 18 34 10 20 48 12 25 59
		4: 620-2130			
					W Without motor/gear. Assembly position and shaft prepared for selected place- ment. More options —————→

Series 520

Cont. 520-30

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 52
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	52
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
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 36.

Series 520

Cont. 520-30

Bracket for roller transfer and connecting strip between conveyors

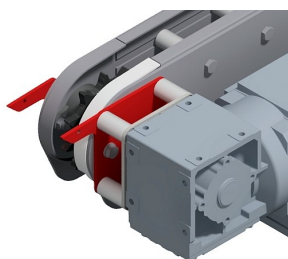
The following configuration is listed on order number 520-30-ABC-D-E- **with one additional letter**.

D = 500-7305 and 500-7325.

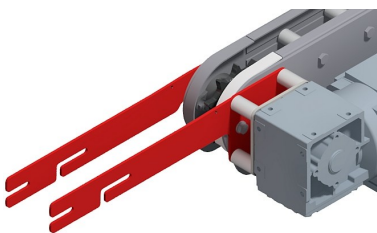
E = 500-7315 and 500-7320, 7 mm level difference.

Order example: 520-30-HL1-2-24-**D**

D



E



Bracket for roller transfer and connecting strip including roller transfer

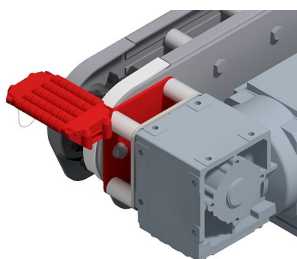
The following configuration is listed on the existing order number 520-30-ABC-D-E- **with two extra letters**.

DR = 500-7305, 500-7325 and 500-7400.

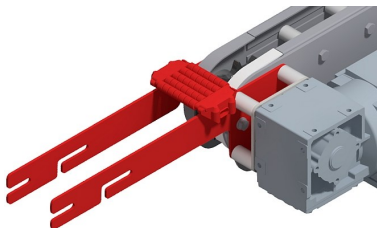
ER = 500-7315, 500-7320 and 500-7400, 7 mm level difference.

Order example: 520-30-HL1-2-24-**DR**

DR



ER

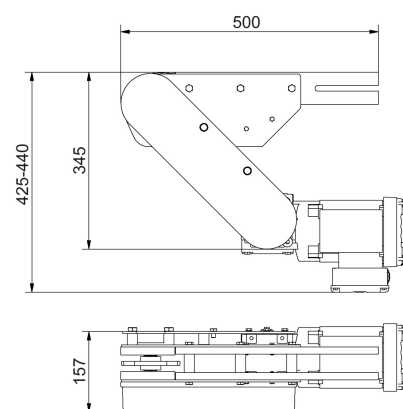
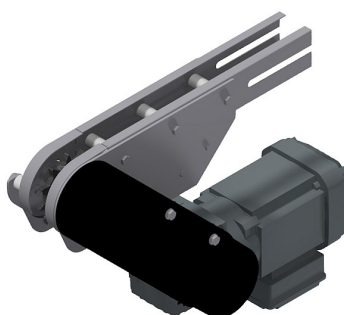


Series 520

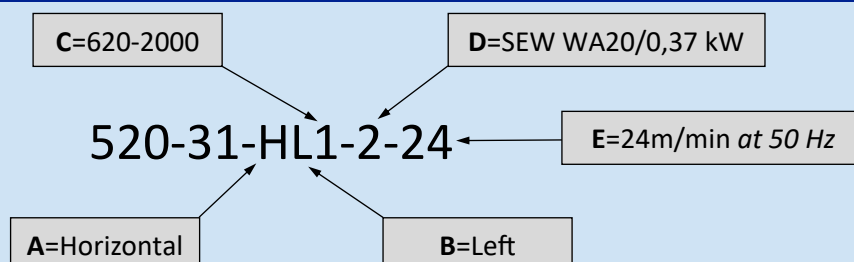
520-31

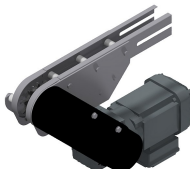
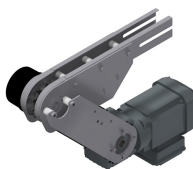
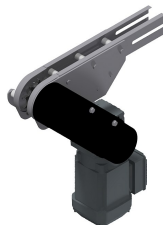
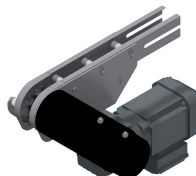
Drive unit with suspended motor with timing belt transmission S520.
IP55 and stainless steel hollow shaft.
Configuration of default drive unit
520-31-ABC-D-E.

If needed, roller transfers and brackets can be found on page 39



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: 620-2000 620-2010		1: SEW WA20 0,25 kW	8 18 34 10 20 47 12 25 59 15 29
		2: 620-2189 620-2179		2: SEW WA20 0,37 kW	18 34 20 48 25 59 30
V: Vertical 	L: Left 	3: 620-2065 620-2135		3: SEW WA30 0,37 kW	6 15 30 8 18 34 10 20 48 12 25 59
		4: 620-2130			
					W Without motor/gear. Assembly position and shaft prepared for selected place- ment. More options —————→

Series 520

Cont. 520-31

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 52
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	52
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
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 39.

Series 520

Cont. 520-31

Bracket for roller transfer and connecting strip between conveyors

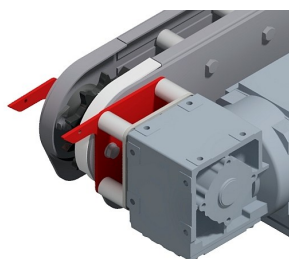
The following configuration is listed on order number 520-31-ABC-D-E- **with one additional letter**.

D = 500-7325.

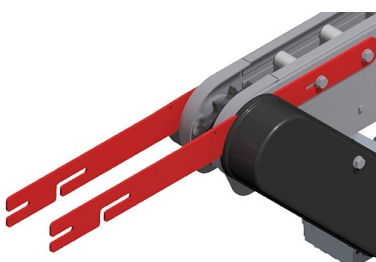
E = 500-7320, 7 mm level difference.

Order example: 520-31-HL1-2-24-**D**

D



E



Bracket for roller transfer and connecting strip including roller transfer

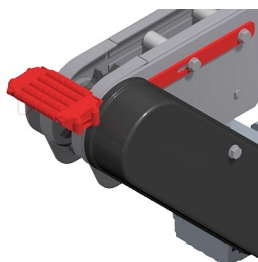
The following configuration is listed on the existing order number 520-31-ABC-D-E- **with two extra letters**.

DR = 500-7325 and 500-7400.

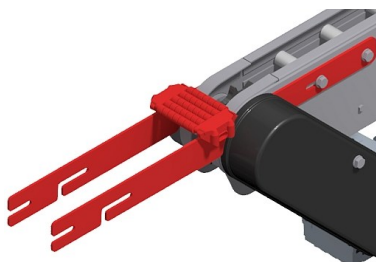
ER = 500-7320 and 500-7400, 7 mm level difference.

Order example: 520-31-HL1-2-24-**DR**

DR



ER

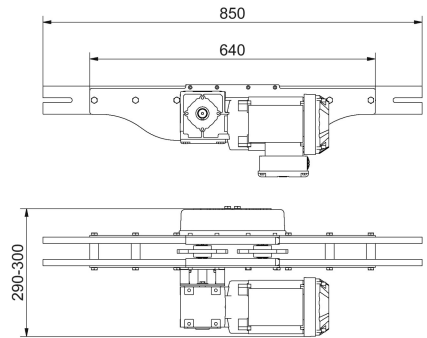
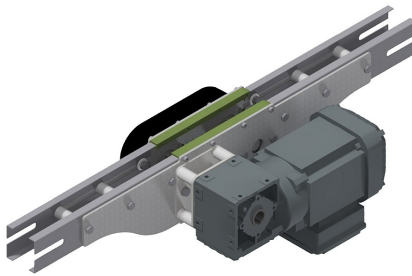


Series 520

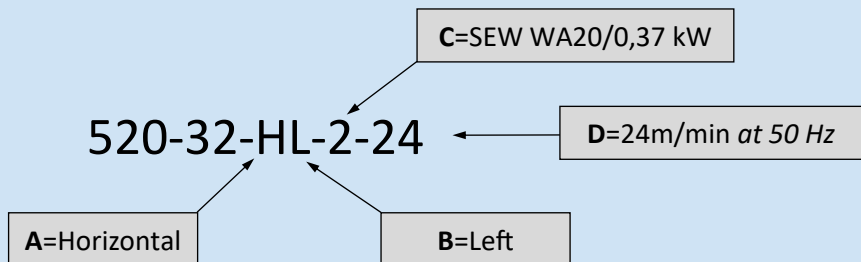
520-32

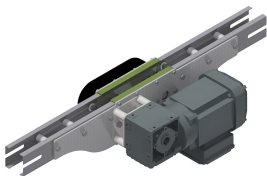
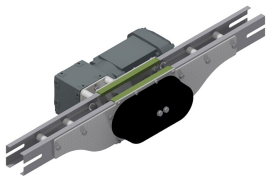
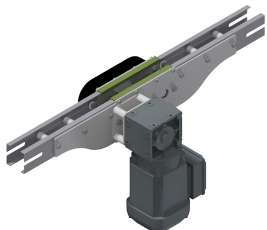
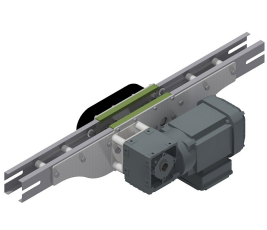
Drive unit with intermediate motor and returnchain S520.
IP55 and stainless steel hollow shaft.
Configuration of default drive unit
520-32-AB-C-D.

Use 520-4055 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 59 15 29 18 34 20 48 25 59 30
V: Vertical 	L: Left 		3: SEW WA30 0,37 kW	6 15 30 8 18 34 10 20 48 12 25 59
				W Without motor/gear. Assembly position and shaft prepared for selected place- ment. More options →

Series 520

Cont. 520-32

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 52
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	52
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	

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
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.		

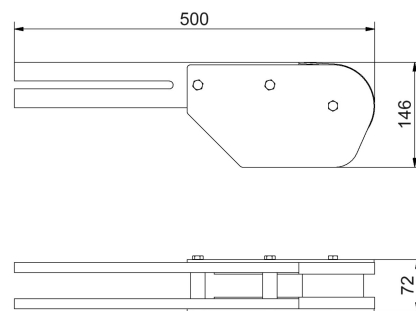
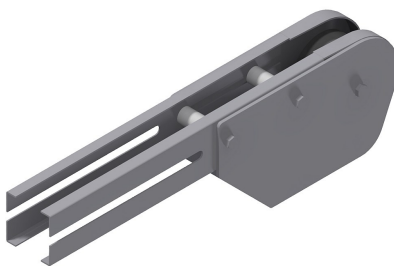
Series 520

Idler unit

Standard idler unit for S520

Weight 3600 g

Part.no 520-4000



Bracket for roller transfer and bracket including roller transfer

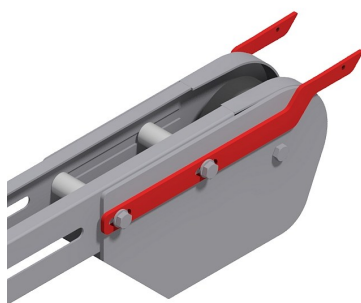
The following configuration is listed on the existing order number 520-4000- **with one/or two additional letter**.

D = 500-7330.

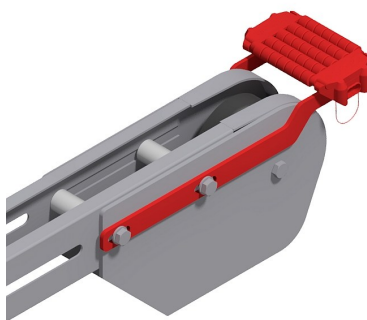
DR = 500-7330 and 500-7400.

Order example: 520-4000-**D**

D



DR



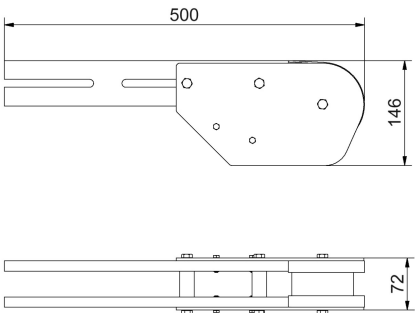
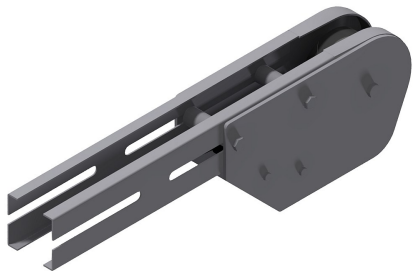
Series 520

Idler unit

Used as front idler unit for conveyor where drive unit 520-32 is included.
Configuration of idler unit

Part.no 520-4055-A

If needed, roller transfers and brackets can be found on page 44.



Order example

520-4055-1

A=620-2000

A:
Conveyor chain

<u>A:</u> <u>Conveyor chain</u>			
1: 620-2000 620-2010	2: 620-2189 620-2179	3: 620-2065 620-2135	4: 620-2130

Series 520

Cont. 520-4055-A

Bracket for roller transfer and connecting strip between conveyors

The following configuration is listed on order number 520-4055-A- **with one additional letter**.

D = 500-7325.

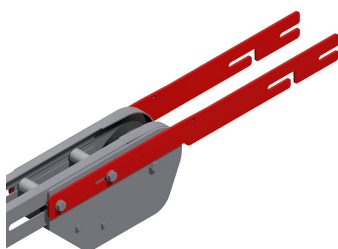
E = 500-7220, 7 mm level difference.

Order example: 520-4055-1-**D**

D



E



Bracket for roller transfer and connecting strip including roller transfer

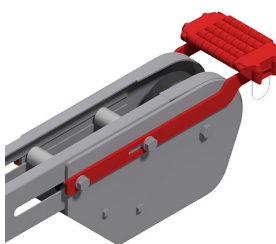
The following configuration is listed on the existing order number 520-4055-A- **with two extra letters**.

DR = 500-7325 and 500-7400.

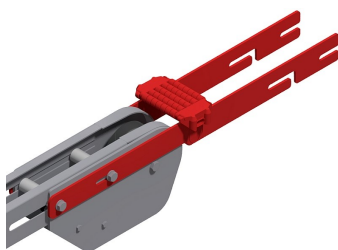
ER = 500-7320 and 500-7400, 7 mm level difference.

Order example: 520-4055-1-**DR**

DR



ER



Series 520

Wheel bend

Standard wheel bend S520 with R141 mm
Stainless steel and wheel in plastic

Configuration of default wheel bend
Part no. 520-5025-A

A= angle on bend

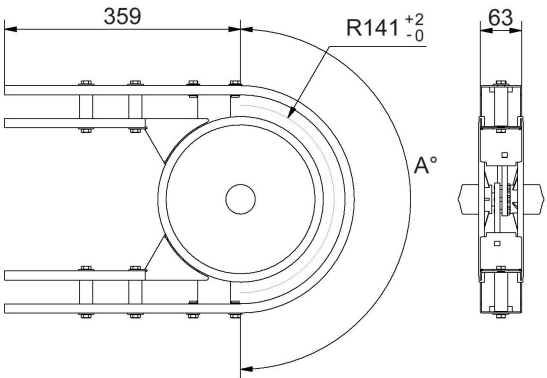
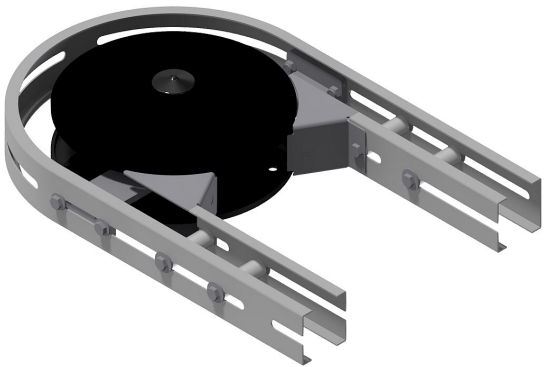
Standard angles for R141
A = 45°
A = 90°
A = 180°

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

Order exeample

520-5025-45

A= 45°



Series 520

Wheel bend

Standard wheel bend S520 with R191 mm
Stainless steel and wheel in plastic

Configuration of default wheel bend
Part no. 520-5055-A

A= angle on bend

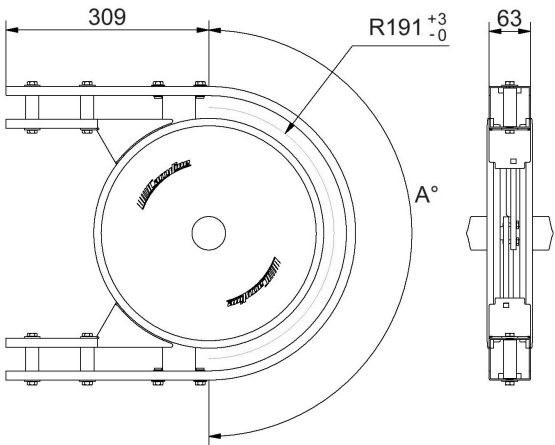
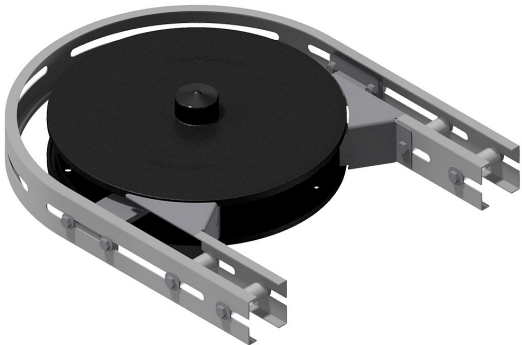
Standard angles for R191
A = 45°
A = 90°
A = 180°

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

Order exeample

520-5055-45

A= 45°

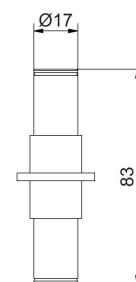


Series 520

Shaft

For wheel bend R141
Stainless steel
Weight 145 g

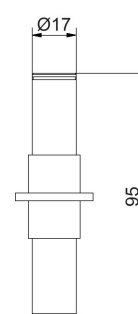
Part no. 14261_3



Shaft

For wheel bend R191
Stainless steel
Weight 165 g

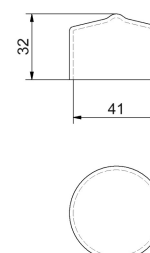
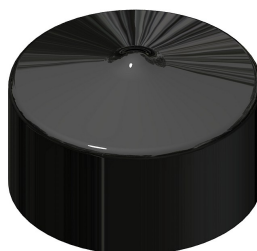
Part no. 14261_2



Plastic cover

For disc Ø252
Black PVC
Weight 11 g

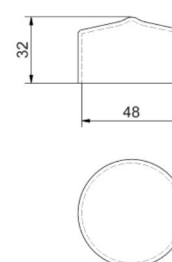
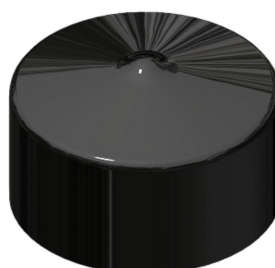
Part no. 830-5031



Plastic cover

For disc Ø350
Black PVC
Weight 15 g

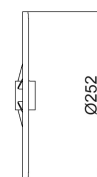
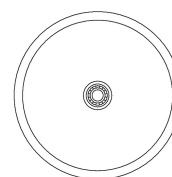
Part no. 830-5062



Series 520

Disc

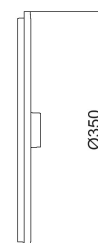
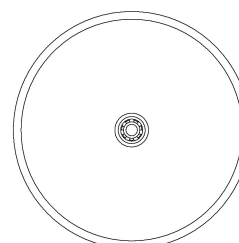
Upper disc for wheel bend R141
Complete with bearing SS6203-2RS
Black nylon
Weight 335 g



Part no. 530-5027

Disc

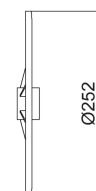
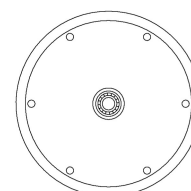
Upper disc for wheel bend R191
Complete with bearing SS6203-2RS
Black nylon
Weight 825 g



Part no. 530-5060

Disc

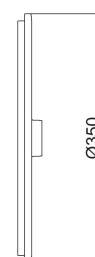
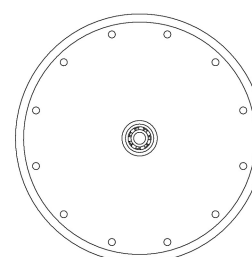
Lower disc for wheel bend R141
Complete with bearing SS6203-2RS
Black nylon
Weight 320 g



Part no. 17589

Disc

Lower disc for wheel bend R191
Complete with bearing SS6203-2RS
Black nylon
Weight 800 g



Part no. 17590

Series 520

Plain bend

Standard plain bend S520
Stainless steel

Plain bend configuration
Part no. 520-5375-A-B

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

A = Radius	B = Angle
191 mm	15°, 30°, 45°, 90°, 180°
289 mm	15°, 30°, 45°, 90°, 180°
389 mm	15°, 30°, 45°, 90°, 180°
489 mm	15°, 30°, 45°, 90°, 180°
589 mm	15°, 30°, 45°, 90°, 180°

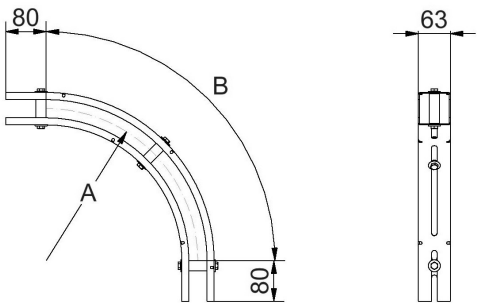
Other radius and angles are manufactured on request

Order example

520-5375-389-90

A= 389 mm

B= 90°



Series 520

Vertical bend

Standard vertical bend R400
Stainless steel

Vertical bend configuration
Part no. 520-5645-A

A= angle on bend

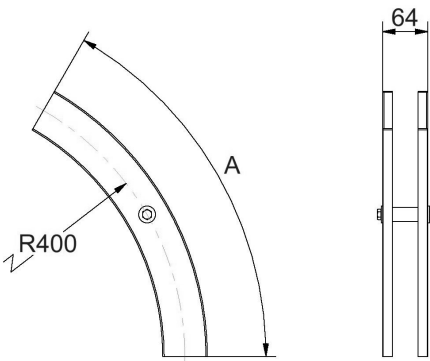
Standard angles for R400
A = 10°
A = 15°
A = 20°
A = 30°
A = 45°
A = 60°
A = 90°

Other radius and angles are manufactured on request
Minimum 10°

Order example

520-5645-45

A= 45°



Series 520

Vertical bend

Standard vertical bend R860
Stainless steel

Vertical bend configuration
Part no. 520-5695-A

A= angle on bend

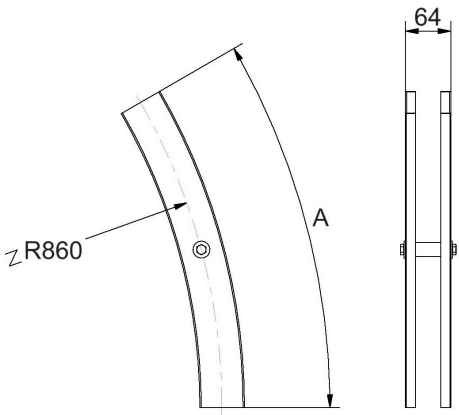
Standard angles for R860
A = 5°
A = 10°
A = 15°
A = 20°
A = 30°
A = 45°
A = 60°
A = 90°

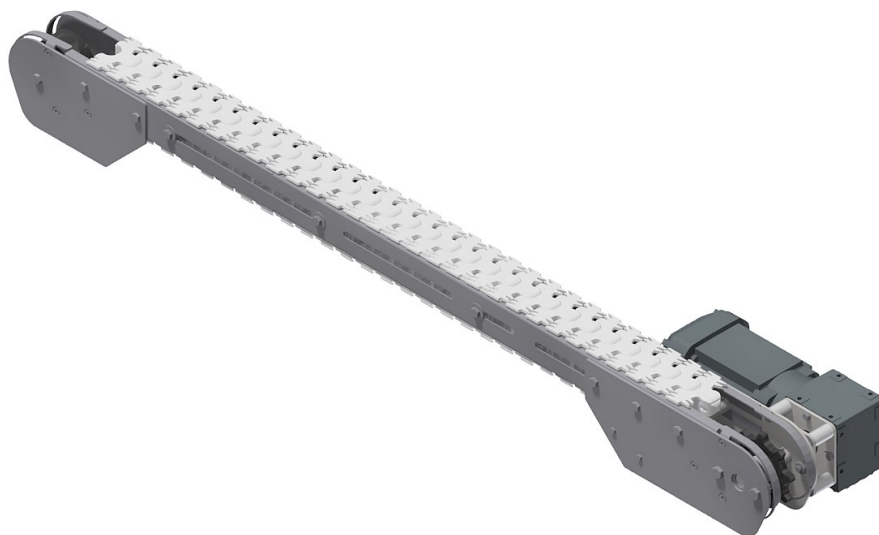
Other radius and angles are manufactured on request
Minimum 5°

Order example

520-5695-45

A= 45°





S530

