 STEP-files S830

S830



Serie 830



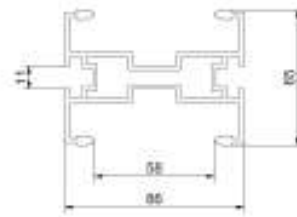
Technical specification S830	
Width of chain	83 mm
Chain pitch	38 mm
Width conveyor profile	86 mm
Height conveyor	80 mm
Radius conveyor chain on the drive and idler unit	70 mm
Max. permitted traction on the conveyor chain	1250 N
Weight conveyor	≈ 7 kg/m **
Recommended maximum load on conveyor	≈ 200 kg *
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 150 mm
Wheel curve radius	R 150 mm and R 200 mm
Vertical bend radius	R 400 mm and R 860 mm
Motor	0,18 - 0,37 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 830

Conveyor profile S830

Anodized aluminum
Weight 2400 g/m
Length 5.8 m
Qty/package 15 pcs

Part no. 830-1000



Serie 830

Conveyor chain S830

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 830-2000L

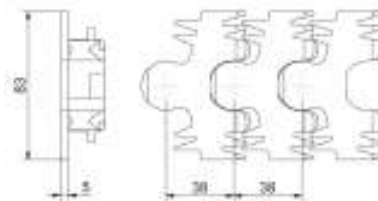
Finger chain

Slat standard chain for S830 and S530

Weight 1420 g/m

Qty 27 pcs/m

Part no. 830-2000



Top flight for standard chain

Part no. 830-2001

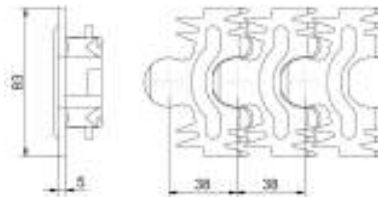
Finger chain

Standard chain with friction top flight for S830 and S530

Weight 1440 g/m

Qty 27 pcs/m

Part no. 830-2010



Top flight for friction chain

Art.nr 830-2011

Serie 830

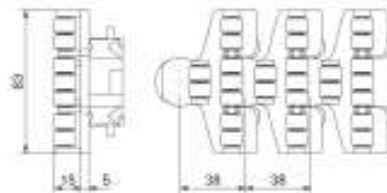
Chain with rollers

For S830 and S530

Weight 2030 g/m
Qty 27 pcs/m

Part no. 830-2050

Top flight to roller chain
Part no. 830-2051

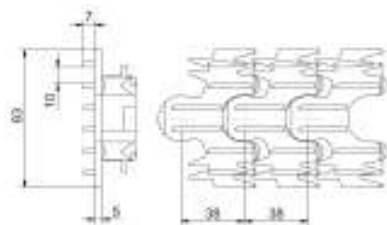


Rib chain

To S830 and S530
Weight 1550 g/m
Qty 27 pcs/m

Part no. 830-2055

Top flight to rib chain
Part no. 830-2056



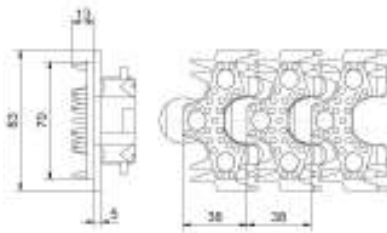
Friction chain

Friction chain with soft pimples

To S830 and S530
Weight 1600 g/m
Qty 27 pcs/m

Part no. 830-2110

Top flight to friction chain with soft
pimples
Part no. 830-2111



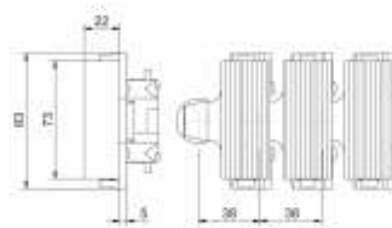
Serie 830

Side grip chain

For S830 and S530
Weight 2260 g/m
Qty 27 pcs/m

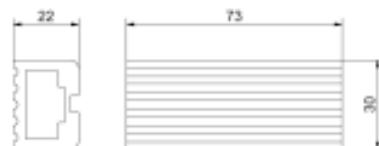
Part no. 830-2120

Top flight to side grip chain
Part no. 830-2121

**Rubber block**

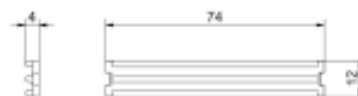
Rubber block for chain 830-2120
White TPE
Weight 27 g

Part no. 830-2122

**Locking rail**

Locking rail for 830-2122
Black reinforced nylon
Weight 4 g

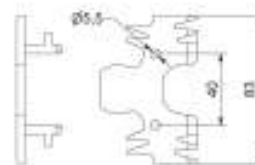
Part no. 830-2123



Serie 830

Top flight

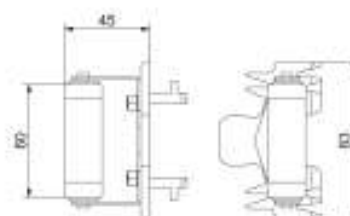
With holes for carrier
For S830 and S530
Weight 20 g



Part no. 830-2075

Top flight

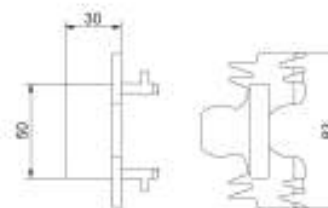
With roller carrier
For S830 and S530
Weight 75 g



Part no. 830-2079

Top flight

With carrier
For S830 and S530
Weight 33 g



Part no. 830-2081

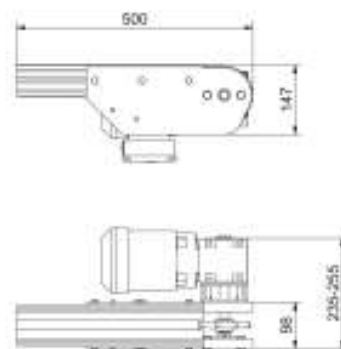
Serie 830

830-30

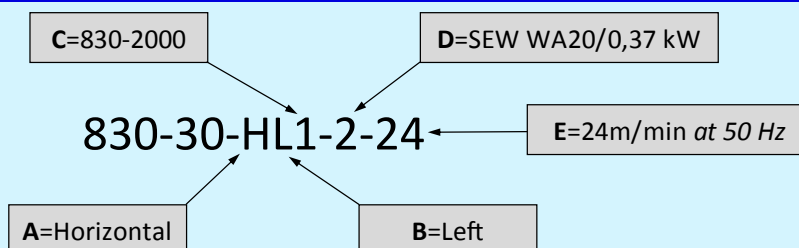
Drive unit with direct transmission S830.
Configuration of default drive with direct transmission **830-30-ABC-D-E**.





If needed, roller transfers and brackets can be found at page 142.

Weight without motor 3900 g
Weight with motor 10900-16900 g



Order example



<u>A:</u> <u>Assembly position</u>	<u>B:</u> <u>Placement</u>	<u>C:</u> <u>Conveyor chain</u>	-	<u>D:</u> <u>Motor/gear power</u>	<u>E:</u> <u>Speed m/min at 50 Hz</u>
H: Horizontal 	R: Right 	1: 830-2000 830-2010		1: SEW WA20 0,25 kW	8 18 10 23 15 32 16 44
		2: 830-2081			2: SEW WA20 0,37 kW
V: Vertical 	L: Left 	3: 830-2055 830-2079 830-2110		3: SEW WA30 0,37 kW	6 15 29 8 17 33 10 19 46 12 24
		4: 830-2050			4: SEW WA30 0,55 kW
W Without motor/gear. Assembly position and shaft prepared for selected placement. More options →					

Serie 830

Cont. 830-30

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 142.

Serie 830

Cont. 830-30

Bracket for roller transfer and connecting strip between conveyors

The following configuration is listed on order number 830-30-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, 7 mm level difference.

Order example: 830-30-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 830-30-ABC-D-E- **with two extra letters**.

AR = 900-3117, 900-7112 and 900-7010

BR = 900-3119, 900-7120 and 900-7010

CR = 900-3118, 900-7130 and 900-7010, 7 mm level difference.

Order example: 830-30-HL1-2-24-AR

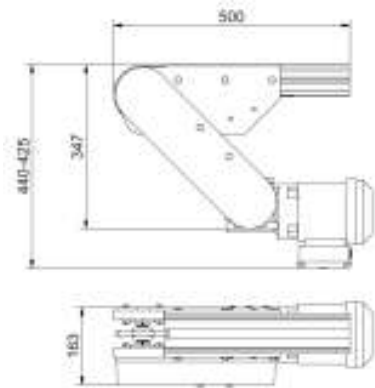
AR**BR****CR**

Serie 830

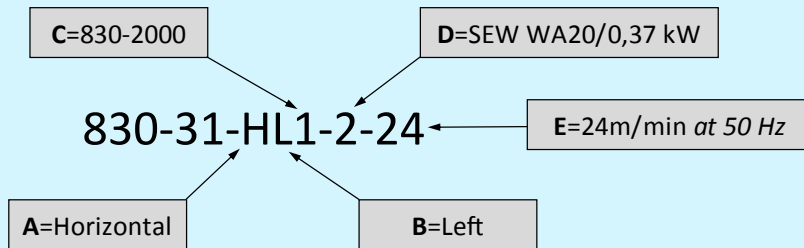
830-31





Drive unit with suspended motor S830.
Configuration of default drive
830-31-ABC-D-E.

If needed, roller transfers and brackets can be found at page 145.



Order example



<u>A:</u> <u>Assembly position</u>	<u>B:</u> <u>Placement</u>	<u>C:</u> <u>Conveyor chain</u>	-	<u>D:</u> <u>Motor/gear power</u>	<u>E:</u> <u>Speed m/min at 50 Hz</u>
H: Horizontal 	R: Right 	1: 830-2000 830-2010	-	1: SEW WA20 0,25 kW	8 18 10 23 15 32 16 44
		2: 830-2081			2: SEW WA20 0,37 kW
V: Vertical 	L: Left 	3: 830-2055 830-2079 830-2110	-	3: SEW WA30 0,37 kW	6 15 29 8 17 33 10 19 46 12 24
		4: 830-2050			4: SEW WA30 0,55 kW
					W Without motor/gear. Assembly position and shaft prepared for selected placement. More options →

Serie 830

Cont. 830-31

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	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 145.

Serie 830

Cont. 830-31

Bracket for roller transfer and connecting strip between conveyors

The following configuration is listed on order number 830-31-ABC-D-E- **with one additional letter**.

A = 900-7112.

B = 900-7120.

C = 900-7130, 7 mm level difference.

Order example: 830-31-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 830-31-ABC-D-E- **with two extra letters**.

AR = 900-7112 and 900-7010

BR = 900-7120 and 900-7010

CR = 900-7130 and 900-7010, 7 mm level difference.

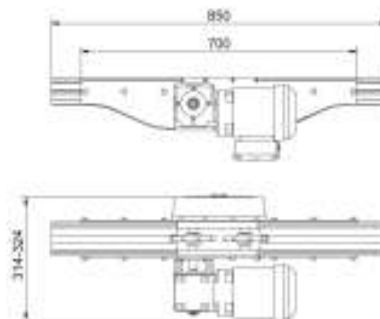
Order example: 830-31-HL1-2-24-AR

AR**BR****CR**

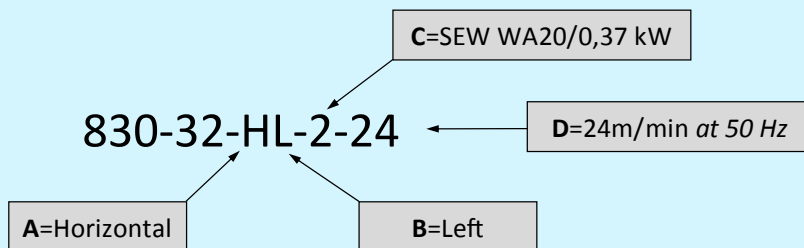
Serie 830





830-32

Drive unit with intermediate motor and returnchain S830.
Configuration of default drive
830-32-AB-C-D.



Order example



<u>A:</u> <u>Assembly position</u>	<u>B:</u> <u>Placement</u>	-	<u>C:</u> <u>Motor/gear power</u>	<u>D:</u> <u>Speed m/min at 50 Hz</u>												
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															
			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																
V: Vertical 	L: Left 		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 830

Cont. 830-32

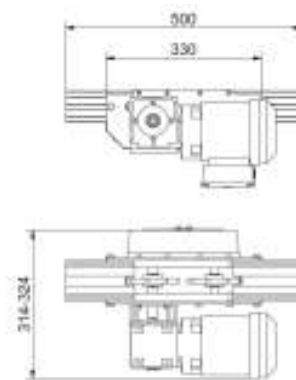
C: Motor/gear power	D: Speed m/min at 50 Hz		
5: SEW SA37 0,37 kW	8 10 13 16	19 24 27 31	36
6: Lenze G500-B45 0,18 kW	13 15 17 19	21 25 28 31	36 41 45
7: Lenze G500-B110 0,18 kW	8 10 12 15	19 21 25 33	38 41
8: Lenze G500-B45 0,25 kW	19 22 25 28	32 36 41 46	
9: Lenze G500-B110 0,25 kW	11 12 15 19	21 25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

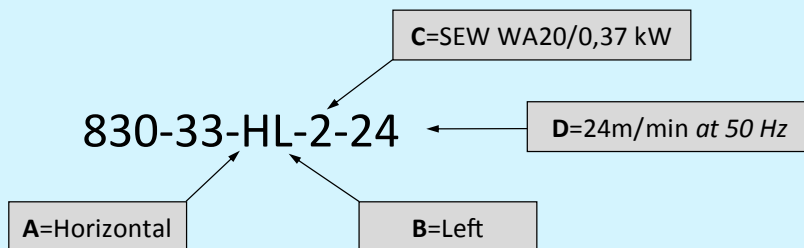
Serie 830





830-33

Catenary drive unit for circuit conveyor S830.
Configuration of default drive
830-33-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
V: Vertical 	L: Left 	2: SEW WA20 0,37 kW	15 32
			16 44
3: SEW WA30 0,37 kW	4: SEW WA30 0,55 kW	3: SEW WA30 0,37 kW	17 33
			19 46
3: SEW WA30 0,37 kW	4: SEW WA30 0,55 kW	3: SEW WA30 0,37 kW	6 15 29
			8 17 33
3: SEW WA30 0,37 kW	4: SEW WA30 0,55 kW	3: SEW WA30 0,37 kW	10 19 46
			12 24
W Without motor/gear. Assembly position and shaft prepared for selected placement. More options →			

Serie 830

Cont. 830-32

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	

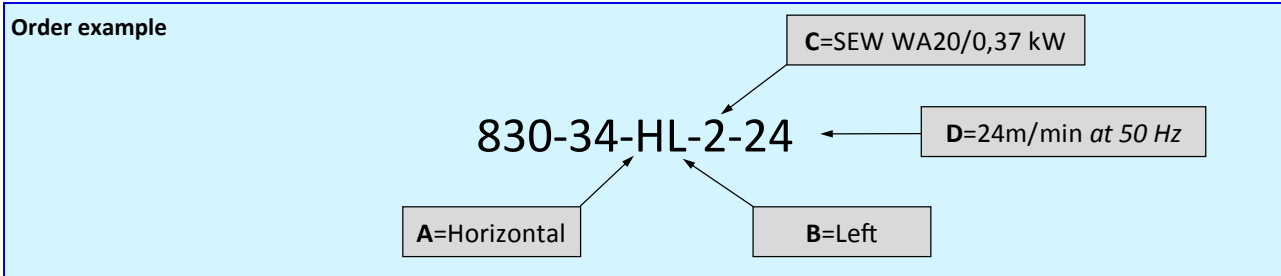
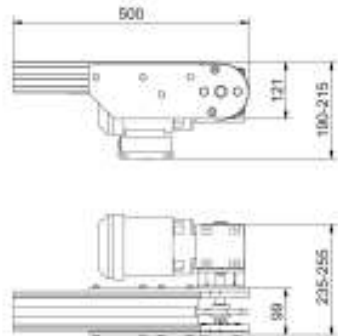
C: Motor/gear power	D: Speed m/min at 50 Hz		
11: Lenze G500-B110 0,37 kW	11 13 16 20	22 25 28 32	34 39 43 47
12: Lenze G500-B45 0,55 kW	26 28 32 36	42 47	
13: Lenze G500-B110 0,55 kW	17 20 22 25	28 31 39 43	47
14: Lenze Smart Motor G500-B45 0,25 kW	Adjustable speed 6-31 m/min		
15: Lenze Smart Motor 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 830

830-34

Drive unit for side grip conveyor S830.
Configuration of default drive

830-34-AB-C-D.



<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
V: Vertical 	L: Left 	2: SEW WA20 0,37 kW	17 33 19 46 24 29
		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 830

Cont. 830-32

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	

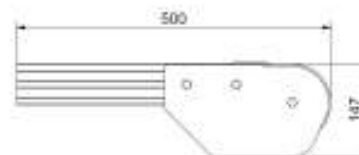
C: Motor/gear power	D: Speed m/min at 50 Hz		
11: Lenze G500-B110 0,37 kW	11 13 16 20	22 25 28 32	34 39 43 47
12: Lenze G500-B45 0,55 kW	26 28 32 36	42 47	
13: Lenze G500-B110 0,55 kW	17 20 22 25	28 31 39 43	47
14: Lenze Smart Motor G500-B45 0,25 kW	Adjustable speed 6-31 m/min		
15: Lenze Smart Motor 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 830

Idler unit

Standard idler unit for S830
Weight 2400 g

Part no. 830-4005



Bracket for roller transfer and bracket including roller transfer

The following configuration is listed on order number 830-4005- **with an additional letter**.

A = 900-7111

AR = 900-7111 and 900-7010

Order example: 830-4005-A

A



AR

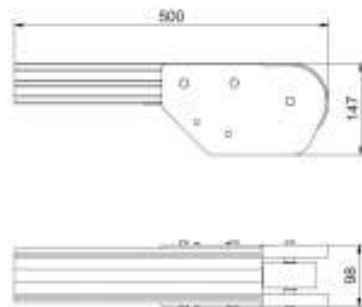


Serie 830

Idler unit

Used as front idler unit for conveyor where drive unit 830-32 is included.

Part no. 830-4055



Bracket for roller transfer and bracket including roller transfer

The following configuration is listed on order number 830-4055- **with an additional letter**.

A = 900-7112

AR = 900-7112 and 900-7010

Order example: 830-4055-A

A



AR

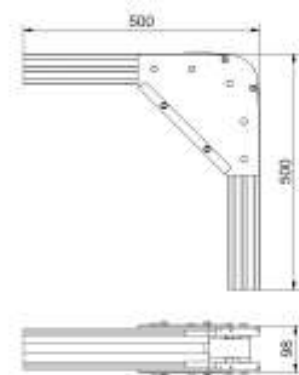


Serie 830

Idler unit

Idler unit 90° S830

Part no. 15309



Bracket for roller transfer and bracket including roller transfer

The following configuration is listed on order number 15309- **with an additional letter**.

A = 900-7111

AR = 900-7111 and 900-7010

Order example: 15309-A

A



AR



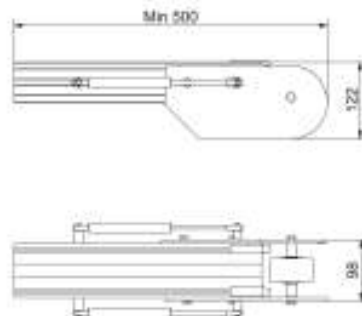
Serie 830

Idler unit

Idler unit for side grip conveyor.
Used with 830-34.

Manufactured in version right and left .
R = Right
L = Left

Part no. 830-4010R
Part no. 830-4010L



Serie 830

Wheel bend

Standard wheel bend S830 with R150 mm
Anodized aluminum profile and wheel in plastic

Configuration of wheel bend

Part no. 830-5025-A

A= Angle on bend

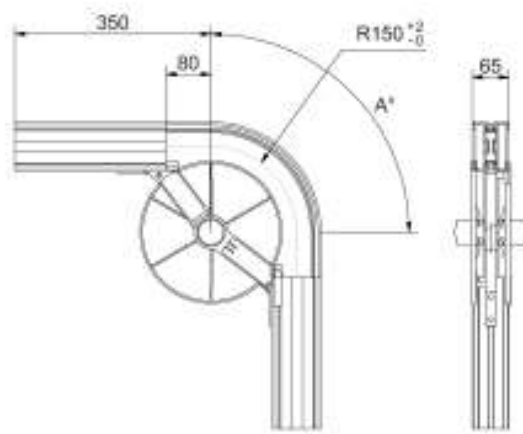
Standard angles for R150
A = 45°
A = 90°
A = 180°

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

Order example

830-5025-45

A= 45°



Serie 830

Wheel bend

Standard wheel bend S830 with R200 mm
Anodized aluminum profile and wheel in plastic

Configuration of wheel bend

Part no. 830-5055-A

A= Angle on bend

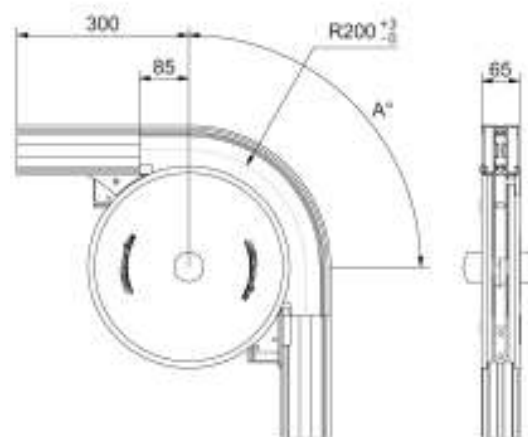
Standard angles for R200
A = 45°
A = 90°
A = 180°

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

Order example

830-5055-45

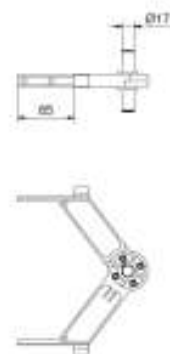
A= 45°



Serie 830

Adjustable support assembly

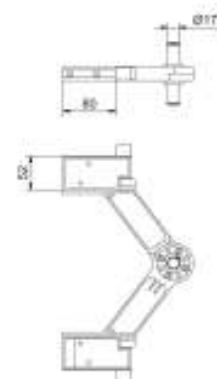
Support assembly for wheel bend R150
S830
Complete with shaft
Zinc die-cast and stainless steel
Weight 690 g



Part no. 830-5026

Adjustable support assembly

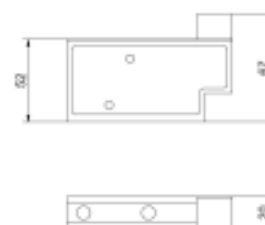
Support assembly for wheel bend R200
S830
Complete with shaft
Zinc die-cast and stainless steel
Weight 1380 g



Part no. 830-5056

Spacer

For adjustable support assembly
Zinc die-cast
Weight 240 g



Part no. 830-5057

Serie 830

Shaft

For wheel bend R150
Stainless steel
Weight 145 g

Part no. 830-5028



Shaft

For wheel bend R200
Stainless steel
Weight 165 g

Part no. 830-5058



Pinch guard

For wheel bend R150
Black polyamide
Weight 6 g

Part no. 830-5029



Pinch guard

For wheel bend R200
Black polyamide
Weight 11 g

Part no. 830-5059



Serie 830

Disc

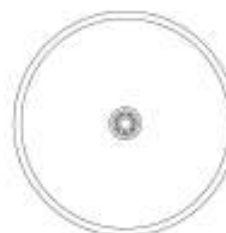
For wheel bend R150
Complete with bearing 6003-2Z
Black nylon
Weight 335 g



Part no. 830-5027

Disc

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



Part no. 830-5060

Plastic cover

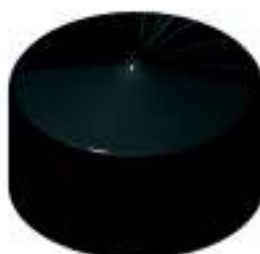
For wheel bend Ø252
Black PVC
Weight 11 g



Part no.830-5031

Plastic cover

For wheel bend Ø350
Black PVC
Weight 15 g



Part no.830-5062

Serie 830

Plain bend

Standard plain bend S830 consists of two aluminum profiles and plastic clamp

Plain bend configuration

Part no. 830-5375-A-B

A= Bend radius

B= Bend angle

The following radius and angles are standard

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

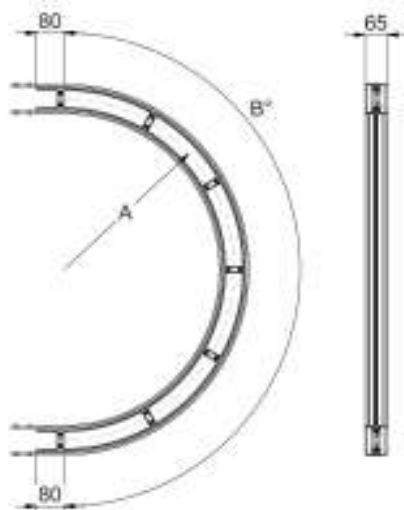
Other radius and angles are manufactured on request

Order example

830-5375-600-90

A= 600 mm

B= 90°



Serie 830

Vertical bend

Standard vertical bend R400 consists of two aluminum profiles and plastic clamp

Vertical bend configuration
Part no. 830-5645-A

A= Bend angle

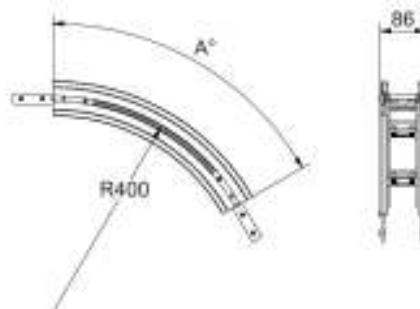
Standard angles to R400
A = 10°
A = 15°
A = 20°
A = 30°
A = 45°
A = 60°
A = 90°

Other radius and angles are manufactured on request
 Minimum 10°

Order example

830-5645-45

A= 45°



Serie 830

Vertical bend

Standard vertical bend R860 consists of two aluminum profiles and plastic clamp

Vertical bend configuration
Part no. 830-5695-A

A= Bend angle

Standard angles to 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

830-5695-45

A= 45°

