



 STEP-files S220

# S220



Serie 220

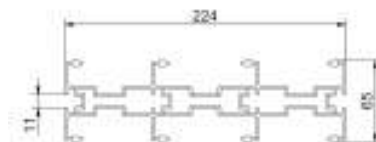


Technical specification S220	
Width of chain	220 mm
Chain pitch	38 mm
Width conveyor profile	224 mm
Height conveyor	80 mm
Radius conveyor chain on the drive and idler unit	70 mm
Max. permitted traction on the conveyor chain	1250 N
Weight conveyor	≈ 11,5 kg/m **
Recommended maximum load on conveyor	≈ 200 kg *
Recommended maximum load	≈ 20 kg/m *
Recommended maximum length of conveyor	≈ 20 m *
Recommended maximum speed	40 m/min
Minimum radius on horizontal bend	R 600 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.	

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### Conveyor profile S220

Anodized aluminum  
Weight 5400 g/m  
Length 5.8 m  
Qty/package 5 pcs



Part no. 220-1000

Serie 220

### Conveyor chain S220

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.

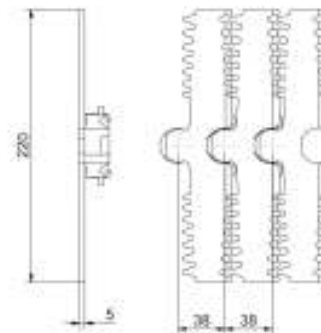
- L = Low friction
- F = Flocked

Order example 220-2000L

#### Finger chain

Slat standard chain for S220 and S560  
 Weight 2160 g/m  
 Qty 27 pcs/m

Part no. 220-2000



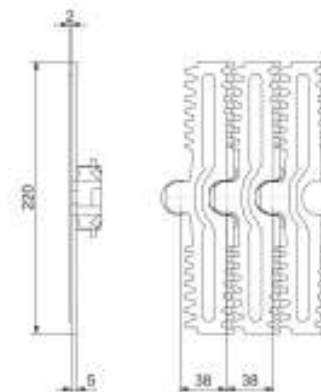
Top flight for standard chain

Part no. 220-2001

#### Finger chain friction

Standard chain with friction top flight  
 for S220 and S560  
 Weight 2211 g/m  
 Qty 27 pcs/m

Part no. 220-2010



Top flight for standard chain

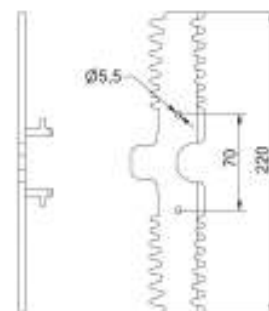
Part no. 220-2011

## Serie 220

### Top flight for carrier

For S220 and S560  
Weight 46 g

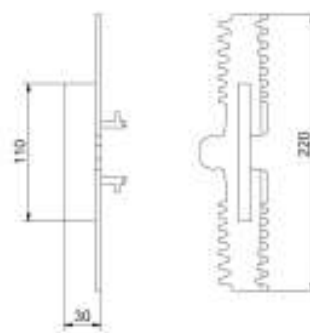
Part no. 220-2075



### Top flight with carrier

For S220 and S560  
Weight 70 g

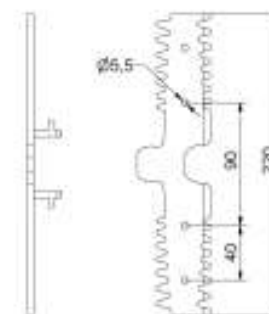
Part no. 220-2081



### Top flight for carrier

For S220 and S560  
Weight 45 g

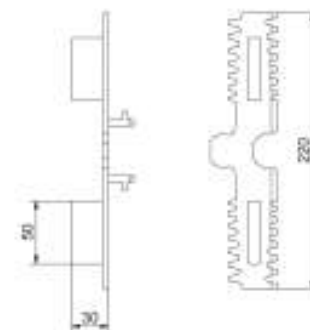
Part no. 220-2085



### Top flight with carrier

For S220 and S560  
Weight 75 g

Part no. 220-2086



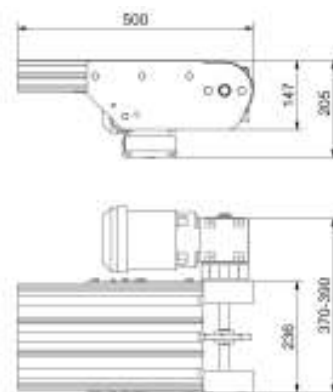
Serie 220

**220-30**

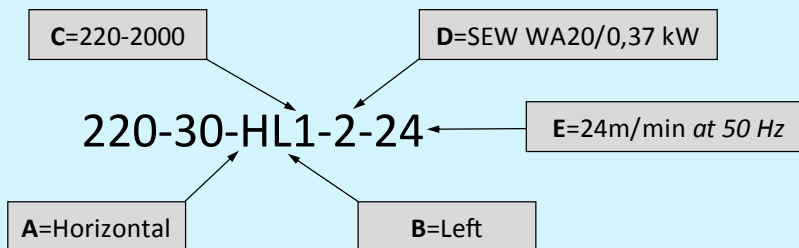
Drive unit with direct transmission S220.  
Configuration of default drive with direct transmission. **220-30-ABC-D-E.**





If needed, roller transfers and brackets can be found at page 62.

Weight without motor 5900 g  
Weight with motor 12900-18900 g



Order example



<b>A:</b> <u>Assembly position</u>	<b>B:</b> <u>Placement</u>	<b>C:</b> <u>Conveyor chain</u>	-	<b>D:</b> <u>Motor/gear power</u>	<b>E:</b> <u>Speed m/min at 50 Hz</u>
<b>H:</b> Horizontal 	<b>R:</b> Right 	<b>1:</b> 220-2000 220-2010	-	<b>1:</b> SEW WA20 0,25 kW	8    18 10    23 15    32 16
		<b>2:</b> 220-2081			<b>2:</b> SEW WA20 0,37 kW
<b>V:</b> Vertical 	<b>L:</b> Left 	<b>3:</b> 220-2086	-	<b>3:</b> SEW WA30 0,37 kW	6    15    29 8    17    33 10    19 12    24
					<b>4:</b> SEW WA30 0,55 kW
					<b>W</b> Without motor/gear. Assembly position and shaft prepared for selected placement. More options →

Serie 220

Cont. 220-30

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

<b>D:</b> <b>Motor/ gear</b> <b>power</b>	<b>E:</b> <b>Speed m/min</b> <b>at 50 Hz</b>		
<b>11:</b> Lenze G500-B110 0,37 kW	11 13 16 20	22 25 28 32	34 39
<b>12:</b> Lenze G500-B45 0,55 kW	26 28 32 36	42 47	
<b>13:</b> Lenze G500-B110 0,55 kW	17 20 22 25	28 31 39	
<b>14:</b> Lenze Smart Motor G500-B45 0,25 kW	Adjustable speed 6-31 m/min		
<b>15:</b> Lenze Smart Motor G500-B45 0,25 kW	Adjustable speed 10-40 m/min		
	<b>W</b> Without motor/gear. Assembly position and shaft prepared for selected place- ment.		

If needed, roller transfers and brackets can be found at page 62.

## Serie 220

### Cont. 220-30

#### Bracket for roller transfer and connecting strip between conveyors

The following configuration is listed on order number 220-30-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 between.

Order example: 220-30-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 220-30-ABC-D-E- **with two extra letters**.

**AR** = 900-3117, 900-7112 and 900-7030

**BR** = 900-3119, 900-7120 and 900-7030

**CR** = 900-3118, 900-7130 and 900-703, 7 mm level difference between conveyor

Order example: 220-30-HL1-2-24-AR

**AR**



**BR**



**CR**





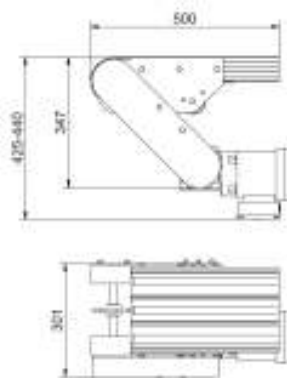
Serie 220

**220-31**

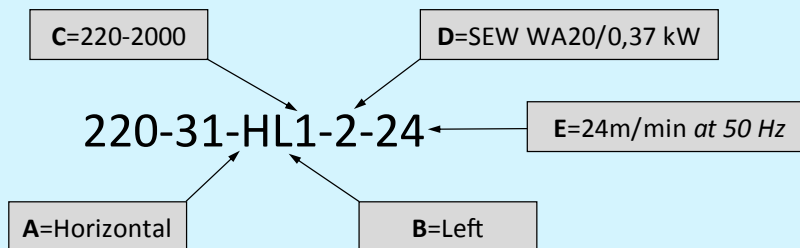
Drive unit with suspended motor S220.  
Configuration of default drive





**220-31-ABC-D-E.**

If needed, roller transfers and brackets can be found at page 65.



Order example



<b>A:</b> <u>Assembly position</u>	<b>B:</b> <u>Placement</u>	<b>C:</b> <u>Conveyor chain</u>	<b>D:</b> <u>Motor/gear power</u>	<b>E:</b> <u>Speed m/min at 50 Hz</u>
<b>H:</b> Horizontal 	<b>R:</b> Right 	<b>1:</b> 220-2000 220-2010	<b>1:</b> SEW WA20 0,25 kW	8    18 10    23 15    32 16
		<b>2:</b> 220-2081		<b>2:</b> SEW WA20 0,37 kW
<b>V:</b> Vertical 	<b>L:</b> Left 	<b>3:</b> 220-2086	<b>3:</b> SEW WA30 0,37 kW	6    15    29 8    17    33 10    19 12    24
				<b>4:</b> SEW WA30 0,55 kW
				<b>W</b> Without motor/gear. Assembly position and shaft prepared for selected placement. More options →

Serie 220

Cont. 220-31

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

<b>D:</b> <b>Motor/gear</b> <b>power</b>	<b>E:</b> <b>Speed m/min</b> <b>at 50 Hz</b>		
<b>11:</b> Lenze G500-B110 0,37 kW	11 13 16 20	22 25 28 32	34 39
<b>12:</b> Lenze G500-B45 0,55 kW	26 28 32 36	42 47	
<b>13:</b> Lenze G500-B110 0,55 kW	17 20 22 25	28 31 39	
<b>14:</b> Lenze Smart Motor G500-B45 0,25 kW	Adjustable speed 6-31 m/min		
<b>15:</b> Lenze Smart Motor G500-B45 0,25 kW	Adjustable speed 10-40 m/min		
	<b>W</b> Without motor/gear. Assembly position and shaft prepared for selected place- ment.		

If needed, roller transfers and brackets can be found at page 65.

## Serie 220

### Cont. 220-31

#### Bracket for roller transfer and connecting strip between conveyors

The following configuration is listed on order number 220-31-ABC-D-E- **with one additional letter**.

**A** = 900-7112.

**B** = 900-7120.

**C** = 900-7130, 7 mm level difference

Order example: 220-31-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 220-31-ABC-D-E- **with two extra letters**.

**AR** = 900-7112 and 900-7030

**BR** = 900-7120 and 900-7030

**CR** = 900-7130 and 900-7030, 7 mm level difference between conveyors.

Order example 220-31-HL1-2-24-AR

**AR**



**BR**



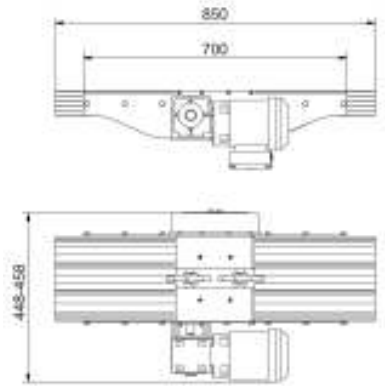
**CR**



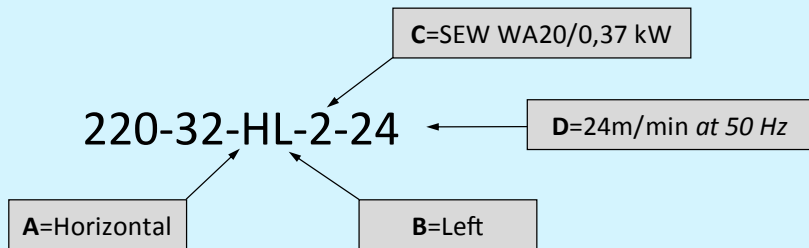
Serie 220





**220-32**

Drive unit with intermediate motor and returnchain S220.  
Configuration of default drive  
**220-32-AB-C-D.**



Order example



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

Serie 220

Cont. 220-32

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

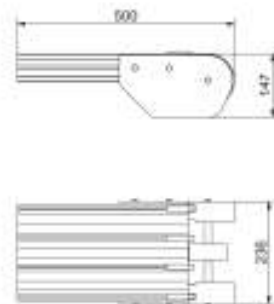
<b>D:</b> <b>Motor/gear</b> <b>power</b>	<b>E:</b> <b>Speed m/min</b> <b>at 50 Hz</b>		
<b>11:</b> Lenze G500-B110 0,37 kW	11 13 16 20	22 25 28 32	34 39 43 47
<b>12:</b> Lenze G500-B45 0,55 kW	26 28 32 36	42 47	
<b>13:</b> Lenze G500-B110 0,55 kW	17 20 22 25	28 31 39 43	47
<b>14:</b> Lenze Smart Motor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

## Serie 220

### Idler unit

Standard idler unit to S220  
Weight 3900 g

Part no. 220-4005



### Bracket for roller transfer and bracket including roller transfer

The following configuration is listed on order number 220-4005- **with an additional letter**.

**A** = 900-7111

**AR** = 900-7111 and 900-7030

Order example: 220-4005-A



Serie 220

**Plain bend**

Standard plain bend S220 R600 consists of an aluminum profile  
 Other radius of four aluminum profiles and plastic clamp.

Plain bend configuration

**Part no. 220-5375-A-B**

A= Bend radius  
 B= Angle on bend

The following radius and angles are standard

A = Radius	B = Angle
600 mm	15°, 30°, 45°, 90°, 180°
900 mm	15°, 30°, 45°, 90°, 180°

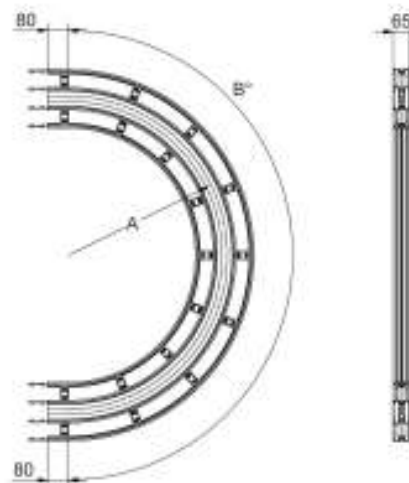
Other radius and angles are manufactured on request

Order example

**220-5375-600-90**

A= 600 mm

B= 90°



Serie 220

Vertical bend

Standard vertical bend R400  
Anodized aluminum and curve clamps in plastic

Vertical bend configuration

Part no. 220-5645-A

A= Angle on bend

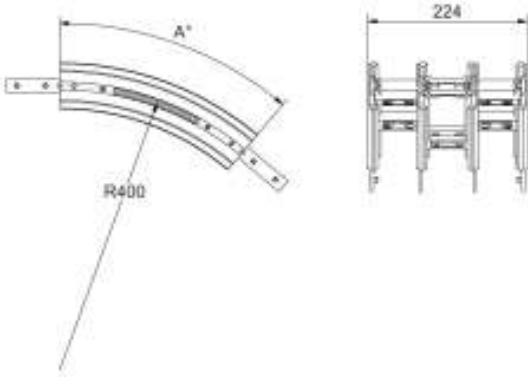
Standard angles for R400
A = 10°
A = 15°
A = 20°
A = 30°
A = 45°
A = 60°
A = 90°

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

Order example

**220-5645-45**

A= 45°





Serie 220

Vertical bend

Standard vertical bend R860  
Anodized aluminum and curve clamps in plastic

Vertical bend configuration  
Part no. 220-5695-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

**220-5695-45**

A= 45°

