

## TECHNICAL DATA

### General technical data

|                                                                                  |              |
|----------------------------------------------------------------------------------|--------------|
| Max. load capacity                                                               | 50 kg        |
| Conveyor speed                                                                   | Max 1,75 m/s |
| Inclined/declined                                                                | Not suitable |
| Ambient temperature                                                              | -5 to +50 °C |
| <b>Maximum load capacity is depending on the combination of speed &amp; load</b> |              |

### Roller

|                 |                                        |
|-----------------|----------------------------------------|
| Roller bearing  | Sealed Precision ball bearing 6002 2RZ |
| Roller diameter | 50 mm                                  |
| Roller material | Steel, zinc-plated                     |

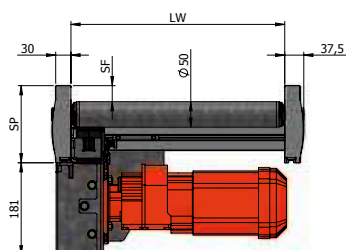
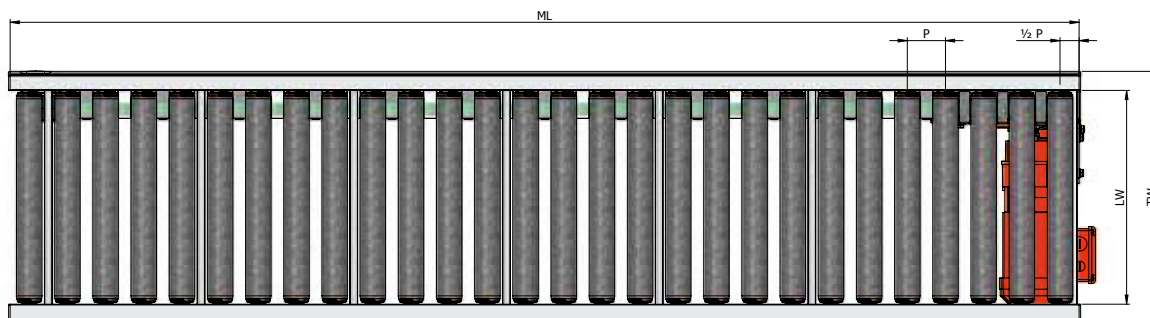
### Drive

|                                |                         |
|--------------------------------|-------------------------|
| Rated voltage                  | 400 V / 50 Hz / 3 phase |
| Max. electrical power per zone | 1,5 kW                  |
| Drive medium                   | Belt                    |

### Side profile

|                                           |                                                                                                                                                                                                                                                                                                                                                                  |                                                                                       |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Profile H                                 | 151,5 mm high<br>31,5 mm above top edge of roller                                                                                                                                                                                                                                                                                                                |   |
| Profile L                                 | Permits lateral displacement<br>116 mm high<br>4 mm below top edge of roller                                                                                                                                                                                                                                                                                     |  |
| Combination of profile heights left/right | HH  HL  LH  LL  |                                                                                       |

## DIMENSIONS



### Dimensions

|                       |                          |
|-----------------------|--------------------------|
| LW Clearance          | 420 / 520 / 620 / 820 mm |
| ML Max. module length | 3000 mm                  |
| TW Module width       | LW + 75 mm               |
| P Roller pitch        | 75 / 100 mm              |
| SP Side profile       | 116 / 151,5 mm           |
| SF Side guide         | 31,5 mm                  |

## EASY CONFIGURATOR

Please create the reference number with the following configurator.

**1 TYPE**  
RCB 53

**2 Clearance LW**      Friction Top Roller put **F** behind the **LW**  
420 | 520 | 620 | 820      Example 53 - 420F - 75 - .....

**3 Roller pitch P in mm**  
A 75  
B 100

**4 Module length ML in mm**  
A min 600 mm, numbers of rollers x P, max 3000 mm  
B min 625 mm, numbers of rollers x P, max 3000 mm

**5 Drive position**  
Right hand drive      **RH**  
Left hand drive      **LH**

**6 Conveyor speed in m/s**  
0,16 | 0,25 | 0,33 | 0,44 | 0,65 | 0,98 | 1,31 | 1,75

**7 Side profiles**  
HH | HL | LH | LL

**1**      **2**      **3**      **4**      **5**      **6**      **7**  
53E -  -  -  -  -  -  -

## ORDER EXAMPLE

Example for a reference number:

**53E - 420 - 100 - 3000 - RH - 0,65 - HH**

This reference number stands for Belt Driven Roller Conveyor RCB 53 with a clearance LW 420 mm, a roller pitch P 100 mm, a module length ML 3000 mm, an end drive on the right, a conveyor speed of 0.65 m/s and both sides high side profile.



## ORDER INFORMATION

- The module is fully assembled
- Please order support stands, side guide, straight connectors and end caps separately
- Steel components are zinc-plated

## CONFIGURATOR

- If you require a non-standard model, contact your local EASY Supplier.

## ACCESSOIRES

- Support stands, see PAGE 104
- Accessoires, see PAGE 114



## TECHNICAL DATA

### General technical data

|                                                                                  |              |
|----------------------------------------------------------------------------------|--------------|
| Max. load capacity                                                               | 100 kg       |
| Conveyor speed                                                                   | Max 1,75 m/s |
| Inclined/declined                                                                | Not suitable |
| Ambient temperature                                                              | -5 to +50 °C |
| <b>Maximum load capacity is depending on the combination of speed &amp; load</b> |              |

### Roller

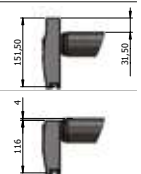
|                 |                                        |
|-----------------|----------------------------------------|
| Roller bearing  | Sealed Precision ball bearing 6002 2RZ |
| Roller diameter | 50 mm                                  |
| Roller material | Steel, zinc-plated                     |

### Drive

|                                |                         |
|--------------------------------|-------------------------|
| Rated voltage                  | 400 V / 50 Hz / 3 phase |
| Max. electrical power per zone | 1,1 kW                  |
| Drive medium                   | Belt                    |
| Torque transmission            | Roller-to-roller        |

### Side profile

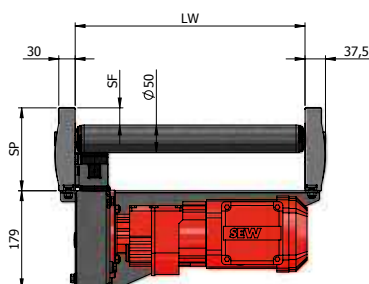
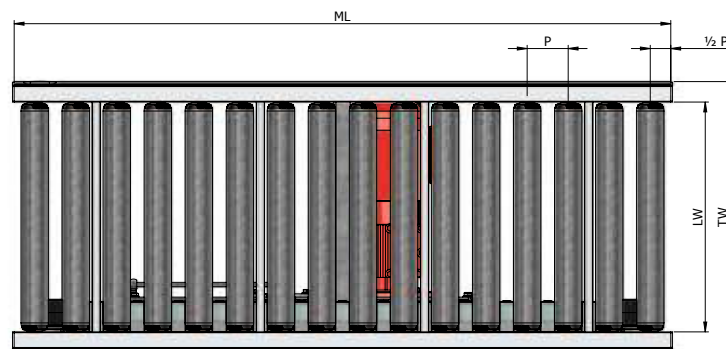
|           |                                                                              |
|-----------|------------------------------------------------------------------------------|
| Profile H | 151,5 mm high<br>31,5 mm above top edge of roller                            |
| Profile L | Permits lateral displacement<br>116 mm high<br>4 mm below top edge of roller |



Combination of profile heights left/right



## DIMENSIONS



### Dimensions

|                       |                          |
|-----------------------|--------------------------|
| LW Clearance          | 420 / 520 / 620 / 820 mm |
| ML Max. module length | 3000 mm                  |
| TW Module width       | LW + 75 mm               |
| P Roller pitch        | 75 / 100 mm              |
| SP Side profile       | 116 / 151,5 mm           |
| SF Side guide         | 31,5 mm                  |



## EASY CONFIGURATOR

Please create the reference number with the following configurator.

**1 TYPE**  
RCB 53

**2 Clearance LW**      Friction Top Roller put **F** behind the **LW**  
420 | 520 | 620 | 820      Example 53 - 420F - 75 - .....

**3 Roller pitch P in mm**  
75 | 100

**4 Module length ML in mm**  
1200 mm till max 21000 mm, increments by roller pitch P in mm

**5 Drive position**  
Right hand drive      | RH  
Left hand drive      | LH

**6 Conveyor speed in m/s**  
0,16 | 0,25 | 0,33 | 0,44 | 0,65 | 0,98 | 1,31 | 1,75

**7 Side profiles**  
HH | HL | LH | LL

**1**      **2**      **3**      **4**      **5**      **6**      **7**  
53G -  -  -  -  -  -  -

## ORDER EXAMPLE

Example for a reference number:

**53G - 420 - 100 - 3000 - RH - 0,65 - HH**

This reference number stands for Belt Driven Roller Conveyor RCB 53 with a clearance LW 420 mm, a roller pitch P 100 mm, a module length ML 3000 mm, a general drive on the right, a conveyor speed of 0.65 m/s and both sides high side profile.

## ORDER INFORMATION

- The module is fully assembled
- Please order support stands, side guide, straight connectors and end caps separately
- Steel components are zinc-plated

## CONFIGURATOR

- If you require a non-standard model, contact your local EASY Supplier.

## ACCESSOIRES

- Support stands, see PAGE 104
- Accessoires, see PAGE 114



## TECHNICAL DATA

**easy**  
...CONVEYORS

### General technical data

|                                                                                  |              |
|----------------------------------------------------------------------------------|--------------|
| Max. load capacity                                                               | 100 kg       |
| Conveyor speed                                                                   | Max 1,75 m/s |
| Inclined/declined                                                                | Not suitable |
| Ambient temperature                                                              | -5 to +50 °C |
| <b>Maximum load capacity is depending on the combination of speed &amp; load</b> |              |

### Roller

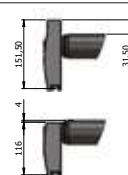
|                                          |                                                            |
|------------------------------------------|------------------------------------------------------------|
| Roller bearing                           | Sealed Precision ball bearing 6002 2RZ                     |
| Roller diameter                          | 50 mm                                                      |
| Roller material                          | Steel, zinc-plated with grey tapered polypropylene sleeves |
| Max. number of rollers per conveyor/zone | 18 at 90°<br>12 at 60°<br>9 at 45°<br>6 at 30°             |

### Drive

|                                |                         |
|--------------------------------|-------------------------|
| Rated voltage                  | 400 V / 50 Hz / 3 phase |
| Max. electrical power per zone | 1,1 kW                  |
| Drive medium                   | Belt                    |

### Side profile

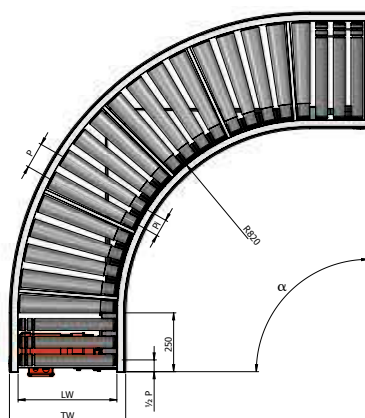
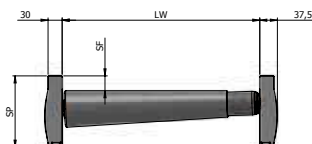
|           |                                                                              |
|-----------|------------------------------------------------------------------------------|
| Profile H | 151,5 mm high<br>31,5 mm above top edge of roller                            |
| Profile L | Permits lateral displacement<br>116 mm high<br>4 mm below top edge of roller |



Combination of profile heights left/right



## DIMENSIONS



### Dimensions

|                            |                                                |
|----------------------------|------------------------------------------------|
| LW Clearance               | 420 / 520 / 620 / 820 mm                       |
| TW Module width            | LW + 75 mm                                     |
| $\alpha$ Angle             | 30° / 45° / 60° / 90°                          |
| P Roller pitch , external  | $\sim (0.1 \text{ mm} \times \text{LW}) + P_i$ |
| Pi Roller pitch , internal | $\sim 77 \text{ mm}$                           |
| SP Side profile            | 151,5 mm                                       |
| SF Side guide              | 31,5 mm                                        |

## EASY CONFIGURATOR

Please create the reference number with the following configurator.

**1 TYPE**  
RCB 53

**2 Clearance LW**  
420 | 520 | 620 | 820

**3 Angle  $\alpha$**   
30° | 45° | 60° | 90°

**4 Drive position**  
Left hand drive | LH  
Right hand drive | RH

**5 Conveyor speed in m/s**  
0,16 | 0,25 | 0,33 | 0,44 | 0,65 | 0,98 | 1,31 | 1,75

**6 CCW** = counter clock wise  
**CW** = clock wise



**7 Side profiles**  
HH | HL | LH | LL

**1** **2** **3** **4** **5** **6** **7**  
53 - - - - - - -

## ORDER EXAMPLE

Example for a reference number:

**53 - 620 - 75 - 90 - RH - 0,33 - CW - HH**

This reference number stands for Belt Driven Roller Conveyor RCB 53 with a clearance LW 620 mm, a roller pitch P 75 mm, an angle of 90°, an end drive, right hand and a conveyor speed of 0.33 m/s, product flow CW and both sides high side profile.



## ORDER INFORMATION

- The module is fully assembled
- Please order support stands, side guid and straight connectors separately
- Steel components are zinc-plated

## CONFIGURATOR

- If you require a non-standard model, contact your local EASY Supplier.

## ACCESSOIRES

- Support stands, see PAGE 104
- Accessoires, see PAGE 114



## TECHNICAL DATA

### General technical data

|                                                                                  |              |
|----------------------------------------------------------------------------------|--------------|
| Max. load capacity                                                               | 100 kg       |
| Conveyor speed                                                                   | Max 1,75 m/s |
| Inclined/declined                                                                | Not suitable |
| Ambient temperature                                                              | +5 to +40 °C |
| <b>Maximum load capacity is depending on the combination of speed &amp; load</b> |              |

### Roller

|                                          |                                        |
|------------------------------------------|----------------------------------------|
| Roller bearing                           | Sealed Precision ball bearing 6002 2RZ |
| Roller diameter                          | 50 mm                                  |
| Roller material                          | Steel, zinc-plated                     |
| Max. number of rollers per conveyor/zone | See Application Notes                  |

### Drive

|              |      |
|--------------|------|
| Drive medium | Belt |
|--------------|------|

### Side profile

|           |                                                   |
|-----------|---------------------------------------------------|
| Profile H | 151,5 mm high<br>31,5 mm above top edge of roller |
|-----------|---------------------------------------------------|



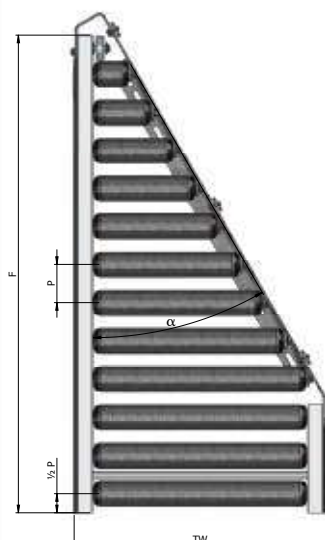
|           |                                                                              |
|-----------|------------------------------------------------------------------------------|
| Profile L | Permits lateral displacement<br>116 mm high<br>4 mm below top edge of roller |
|-----------|------------------------------------------------------------------------------|



Combination of profile heights left/right



## DIMENSIONS



### Dimensions

|                 |                            |
|-----------------|----------------------------|
| LW Clearance    | 420 / 520 / 620 / 820 mm   |
| TW Module width | LW + 75 mm                 |
| F face Length   | See Application Notes P118 |
| $\alpha$ Angle  | 30° / 45°                  |
| P Roller pitch  | 75 mm                      |
| SP Side profile | 151,5 mm                   |
| SF Side guide   | 31,5 mm                    |





## EASY CONFIGURATOR

Please create the reference number with the following configurator.

**1 TYPE**  
RCB 53

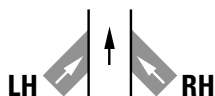
**2 Clearance LW**  
420 | 520 | 620 | 820

**3 Pitch**  
75

**4 Angle  $\alpha$**   
30° | 45°

**5 Infeed**  
I

**6 Drive position**  
Right hand drive | RH  
Left hand drive | LH



**7 Side profiles**  
HH | HL | LH | LL

1 2 3 4 5 6 7  
53 - F - 75 - I -

## ORDER EXAMPLE

Example for a reference number:

**53 - 420 - 75 - 30 - I - LH - HH**

This reference number stands for Belt Driven Roller Conveyor RCB 53 with a clearance LW 420 mm, a roller pitch P 75 mm, a infeed angle 30°, the drive medium on the left hand and both sides high side profile.

## ORDER INFORMATION

- The module is fully assembled
- Please order support stands, side guide, straight connectors and end caps separately
- Steel components are zinc-plated

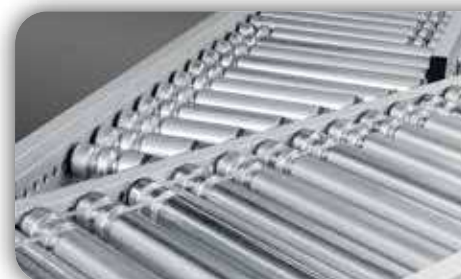
## CONFIGURATOR

- If you require a non-standard model, contact your local EASY Supplier.

## ACCESSOIRES

- Support stands, see PAGE 104
- Accessoires, see PAGE 114

**This module is driven by the adjacent straight module.**



## TECHNICAL DATA

### General technical data

|                                                                                  |              |
|----------------------------------------------------------------------------------|--------------|
| Max. load capacity                                                               | 100 kg       |
| Conveyor speed                                                                   | Max 1,75 m/s |
| Inclined/declined                                                                | Not suitable |
| Ambient temperature                                                              | +5 to +40 °C |
| <b>Maximum load capacity is depending on the combination of speed &amp; load</b> |              |

### Roller

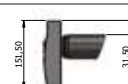
|                                          |                                        |
|------------------------------------------|----------------------------------------|
| Roller bearing                           | Sealed Precision ball bearing 6002 2RZ |
| Roller diameter                          | 50 mm                                  |
| Roller material                          | Steel, zinc-plated                     |
| Max. number of rollers per conveyor/zone | See Application Notes                  |

### Drive

|              |      |
|--------------|------|
| Drive medium | Belt |
|--------------|------|

### Side profile

|           |                                                   |
|-----------|---------------------------------------------------|
| Profile H | 151,5 mm high<br>31,5 mm above top edge of roller |
|-----------|---------------------------------------------------|



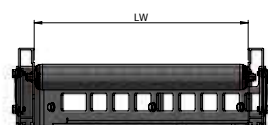
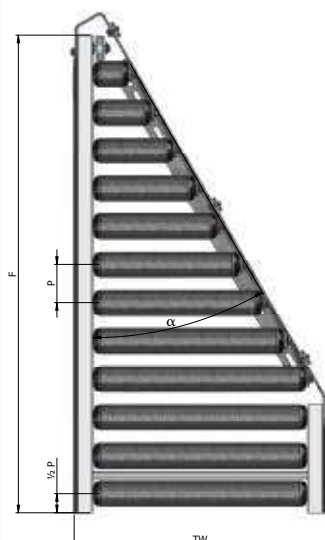
|           |                                                                              |
|-----------|------------------------------------------------------------------------------|
| Profile L | Permits lateral displacement<br>116 mm high<br>4 mm below top edge of roller |
|-----------|------------------------------------------------------------------------------|



Combination of profile heights left/right



## DIMENSIONS



### Dimensions

|                 |                            |
|-----------------|----------------------------|
| LW Clearance    | 420 / 520 / 620 / 820 mm   |
| TW Module width | LW + 75 mm                 |
| F face Length   | See Application Notes P118 |
| $\alpha$ Angle  | 30° / 45°                  |
| P Roller pitch  | 75 mm                      |
| SP Side profile | 151,5 mm                   |
| SF Side guide   | 31,5 mm                    |





## EASY CONFIGURATOR

Please create the reference number with the following configurator.

**1 TYPE**  
RCB 53

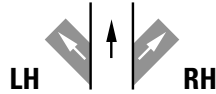
**2 Clearance LW**  
420 | 520 | 620 | 820

**3 Pitch**  
75

**4 Angle  $\alpha$**   
30° | 45°

**5 Outfeed**  
0

**6 Drive position**  
Right hand drive | RH  
Left hand drive | LH



**7 Side profiles**  
HH | HL | LH | LL

1 2 3 4 5 6 7  
53 - F - 75 - 0 - -

## ORDER EXAMPLE

Example for a reference number:

**53 - 420 - 75 - 30 - 0 - LH - HH**

This reference number stands for Belt Driven Roller Conveyor RCB 53 with a clearance LW 420 mm, a roller pitch P 75 mm, a outfeed angle 30°, the drive medium on the left hand and both sides high side profile.

## ORDER INFORMATION

- The module is fully assembled
- Please order support stands, side guide, straight connectors and end caps separately
- Steel components are zinc-plated

## CONFIGURATOR

- If you require a non-standard model, contact your local EASY Supplier.

## ACCESSOIRES

- Support stands, see PAGE 104
- Accessoires, see PAGE 114

**This module is driven by the adjacent straight module.**



## TECHNICAL DATA

### General technical data

|                                                                                  |              |
|----------------------------------------------------------------------------------|--------------|
| Max. load capacity                                                               | 50 kg        |
| Conveyor speed                                                                   | Max 1,75 m/s |
| Inclined/declined                                                                | Not suitable |
| Ambient temperature                                                              | -5 to +50 °C |
| <b>Maximum load capacity is depending on the combination of speed &amp; load</b> |              |

### Roller

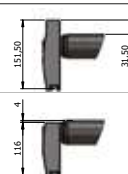
|                 |                                        |
|-----------------|----------------------------------------|
| Roller bearing  | Sealed Precision ball bearing 6002 2RZ |
| Roller diameter | 50 mm                                  |
| Roller material | Steel, zinc-plated                     |

### Drive

|                                |                         |
|--------------------------------|-------------------------|
| Rated voltage                  | 400 V / 50 Hz / 3 phase |
| Max. electrical power per zone | 1,1 kW                  |
| Drive medium                   | Belt                    |
| Torque transmission            | Roller-to-roller        |

### Side profile

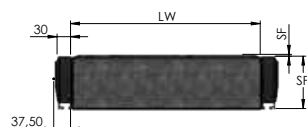
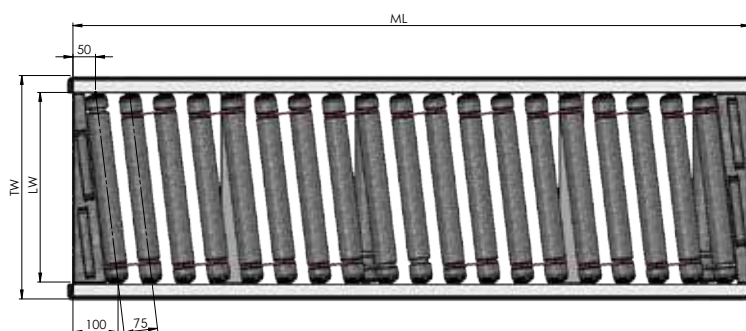
|           |                                                                              |
|-----------|------------------------------------------------------------------------------|
| Profile H | 151,5 mm high<br>31,5 mm above top edge of roller                            |
| Profile L | Permits lateral displacement<br>116 mm high<br>4 mm below top edge of roller |



Combination of profile heights left/right



## DIMENSIONS



### Dimensions

|                       |                          |
|-----------------------|--------------------------|
| LW Clearance          | 420 / 520 / 620 / 820 mm |
| ML Max. module length | 3000 mm                  |
| TW Module width       | LW + 75 mm               |
| P Roller pitch        | 75 / 100 mm              |
| SP Side profile       | 116 / 151,5 mm           |
| SF Side guide         | 31,5 mm                  |



## EASY CONFIGURATOR

Please create the reference number with the following configurator.

**1 TYPE**  
RCB 53A

**2 Clearance LW** Friction Top Roller put **F** behind the **LW**  
420 | 520 | 620 | 820 Example 53 - 420F - 75 - .....

**3 Roller pitch P in mm**  
75

**4 Module length ML in mm**  
1500 mm till max 9000 mm, increments by roller pitch P in mm

**5 Drive position**  
Right hand drive | **RH**  
Left hand drive | **LH**

**6 Conveyor speed in m/s**  
0,16 | 0,25 | 0,33 | 0,44 | 0,65 | 0,98 | 1,31 | 1,75

**7 Side profiles**  
HH | HL | LH | LL

**8 Alignment**  
Right | **R** Left | **L**

**1** **2** **3** **4** **5** **6** **7** **8**  
53A -  -  - 75 -  -  -  -  -  -

## ORDER EXAMPLE

Example for a reference number:

**53A - 420 - 100 - 3000 - RH - 0,65 - HH - R**

This reference number stands for Belt Driven Roller Conveyor RCB 53A with a clearance LW 420 mm, a roller pitch P 100 mm, a module length ML 3000 mm, a general drive on the right, a conveyor speed of 0.65 m/s and both sides high side profile, alignment right.

### Angle of rollers

420 - 6,8° | 520 - 5,5° | 620 - 4,6° | 820 - 3,5°



## ORDER INFORMATION

- The module is fully assembled
- Please order support stands, side guide, straight connectors and end caps separately
- Steel components are zinc-plated

## CONFIGURATOR

- If you require a non-standard model, contact your local EASY Supplier.

## ACCESSOIRES

- Support stands, see PAGE 104
- Accessoires, see PAGE 114

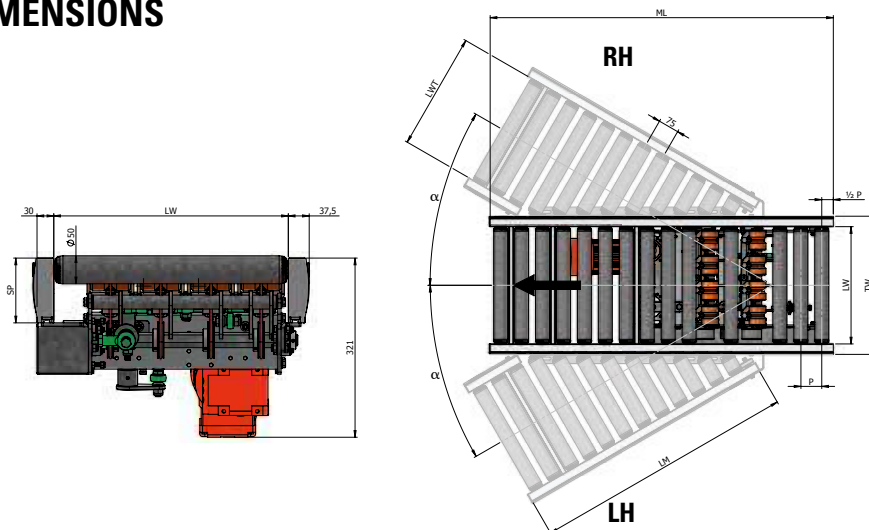


## TECHNICAL DATA

|                                           |  | Pneumatic                                                                        |
|-------------------------------------------|--|----------------------------------------------------------------------------------|
| <b>General technical data</b>             |  |                                                                                  |
| Max. load capacity per zone               |  | 50 kg                                                                            |
| Conveyor speed                            |  | Max 1,75 m/s                                                                     |
| Inclined/declined                         |  | Not suitable                                                                     |
| Ambient temperature                       |  | +5 to +40 °C                                                                     |
|                                           |  | <b>Maximum load capacity is depending on the combination of speed &amp; load</b> |
| <b>Roller</b>                             |  |                                                                                  |
| Roller bearing                            |  | Sealed Precision bearing<br>6002 2RZ                                             |
| Roller diameter                           |  | 50 mm                                                                            |
| Roller material                           |  | Steel, zinc-plated                                                               |
| <b>Lifting gear</b>                       |  |                                                                                  |
| Operating medium                          |  | Compressed air in accordance<br>with ISO8573-1:2010 (7:4:4)                      |
| Operating power/pressure                  |  | 0,8 ... 10 bar                                                                   |
| Piston diameter                           |  | 40 mm                                                                            |
| Swiveling time                            |  | 0,3 sec / 90°                                                                    |
| <b>Side profile</b>                       |  |                                                                                  |
| Profile H                                 |  | 151,5 mm high<br>31,5 mm above top edge of roller                                |
| Combination of profile heights left/right |  |                                                                                  |



## DIMENSIONS



### Dimensions

|                          |                            |
|--------------------------|----------------------------|
| LW Clearance             | 420 / 520 / 620 / 820 mm   |
| LWT Clear width transfer | 420 / 520 / 620 / 820 mm   |
| ML Max. module length    | 2250 mm                    |
| TW Module width          | LW + 75 mm                 |
| $\alpha$ Angle           | 30°                        |
| P Roller pitch           | 75 mm                      |
| LM length of merge       | See Application Notes P123 |
| SP Side profile          | 151,5 mm                   |
| SF Side guide            | 31,5 mm                    |



## EASY CONFIGURATOR

Please create the reference number with the following configurator.

**1 TYPE**  
RCB 53

**2 Clearance LW**      Friction Top Roller put **F** behind the **LW**  
420 | 520 | 620 | 820      Example 53 - 420F - 75 - .....

**3 Module length ML in mm**  
See Application Notes P123

**4 Roller pitch P in mm**  
75

**5 Diverter**  
Left hand drive      **LH**  
Right hand drive      **RH**  
Left/Right hand drive      **LRH**

**6 Drive side**  
Left | Right

**7 Type**  
Pneumatic

**8 Side profiles**  
HL | LH | LL

**1**      **2**      **3**      **4**      **5**      **6**      **7**      **8**  
53      -            -            -      75      -            -            -      P      -     

## ORDER EXAMPLE

Example for a reference number:  
**53 - 420 - 1425 - 75 - RH - R - P - LL**

This reference number stands for belt driven roller conveyor high speed popup RCB 53 with a clearance LW of 420 mm, module length of 1425 mm an angle of 30 degrees a roller pitch of 75 mm a right hand diverter, drive side = right and Pneumatic lifting gear type with both sides low profiles.

**Throughput: see calculation Page 126.**

## ORDER INFORMATION

- The module is completely assembled with control and sensors
- Please order support stands, side guide, end caps, straight connectors and 24 V power supply unit separately
- Steel components are zinc-plated

## CONFIGURATOR

- If you require a non-standard model, contact your local EASY Supplier.

## ACCESSOIRES

- Support stands, see PAGE 104
- Accessoires, see PAGE 114

