



# VR

## Vertical rollers



Expandable using modular system design. Vertical roller conveyor for smooth transportation and storage of window elements. Easy handling of window elements.

VR 2000 / VR 3000 / VR 4000 / VR 2003 / VR 3003 / VR 4003: Expandable using modular system design. Every roller conveyor unit is 2.000/3.000/4.000 mm long (according to model). Plastic slide bars top and bottom. Three mini-roller conveyors with rubber rollers, diameter 50 mm. Basic unit without end rack.

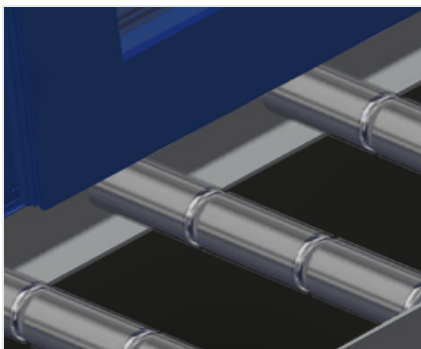
VR 2000 F / VR 3000 F / VR 4000 F / VR 2003 F / VR 3003 F / VR 4003 F: Every roller conveyor unit is 2.000/3.000/4.000 mm long (according to model). Plastic slide bars top and bottom. Three mini-roller conveyors with rubber rollers, diameter 50 mm. Basic unit without end rack.

VR 3000 DF / VR 4000 DF / VR 3003 DF / VR 4003 DF: Every roller conveyor unit is 3.000/4.000 mm long (according to model). Plastic slide bars top and bottom. Three mini-roller conveyors with rubber rollers, diameter 50 mm. Basic unit with end rack. Vertical roller conveyor on rails with flanged rollers, mobile. Roller conveyor can be rotated 360°.



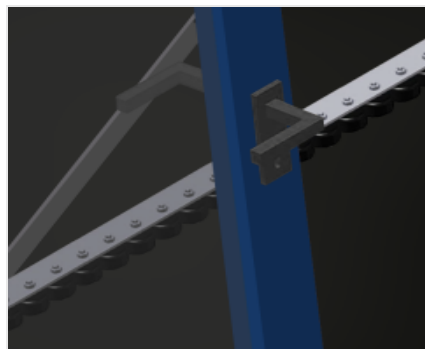
**Support rollers**  
VR 2000 / VR 3000 /  
VR 4000 / VR 2000F /  
VR 3000F / VR 4000F /  
VR 3000DF / VR 4000DF

Rollers throughout, support roller  
width 200 mm



**Support rollers**  
VR 2003 / VR 3003 /  
VR 4003 / VR 2003F /  
VR 3003F / VR 4003F /  
VR 3003DF / VR 4003DF

Rollers throughout, roller conveyor  
divided into three parts (L = 3 x 120  
mm)



**Mini-roller conveyor**

Three mini-roller conveyors with  
rubber rollers, diameter 50 mm



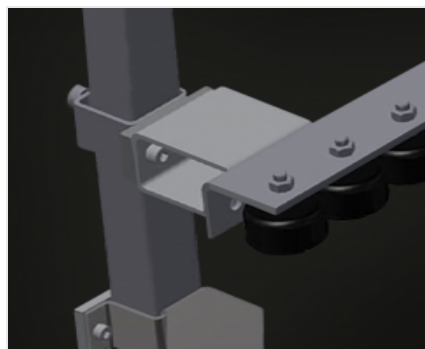
**Back support**

Rear back support with plastic slide  
bars, top and bottom



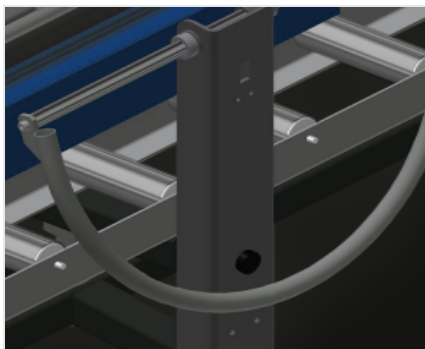
**Roller conveyor height  
adjustment VR 2000 /  
VR 3000 / VR 4000 /  
VR 2003 / VR 3003 /  
VR 4003**

Lower roller conveyor height can be  
adjusted by means of adjustable feet



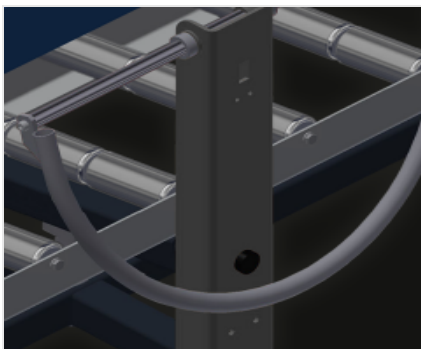
**Mini-roller conveyor  
height adjustment  
VR 2000 / VR 3000 /  
VR 4000 / VR 2003 /  
VR 3003 / VR 4003**

Mini-roller conveyor height is  
adjustable



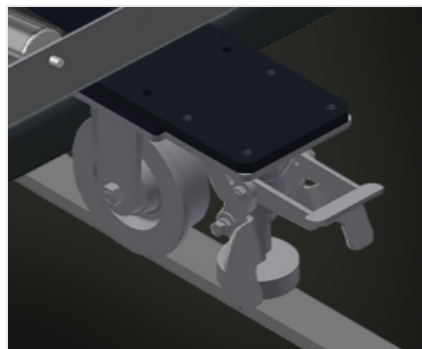
**Grip VR 2000F /  
VR 3000F / VR 4000F /  
VR 3000DF / VR 4000DF**

Grip makes pushing the roller conveyor on the rails easy



**Grip VR 2003F /  
VR 3003F / VR 4003F /  
VR 3003DF / VR 4003DF**

Grip makes pushing the roller conveyor on the rails easy



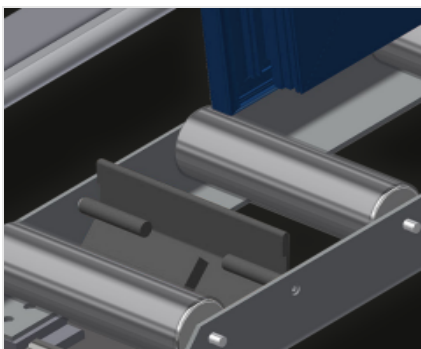
**Mobility unit (VR 2000 /  
VR 3000 / VR 4000 /  
VR 2003 / VR 3003 /  
VR 4003 excluded)**

Mobility unit with flanged rollers and fixing brake



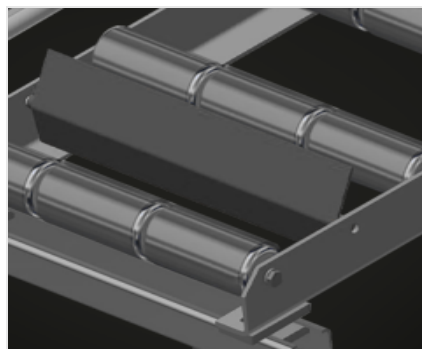
**End rack VR 2000 /  
VR 3000 / VR 4000 /  
VR 2003 / VR 3003 /  
VR 4003 (Optional)**

End rack is mandatory at end of line



**End stop VR 2000 /  
VR 3000 / VR 4000 /  
VR 2000F / VR 3000F /  
VR 4000F / VR 3000DF /  
VR 4000DF (Optional)**

End stop L = 200 mm



**End stop VR 2003 /  
VR 3003 / VR 4003 /  
VR 2003F / VR 3003F /  
VR 4003F / VR 3003DF /  
VR 4003DF (Optional)**

End stop L = 3x120 mm



**Lead-in rollers  
(Optional)**

Protective rollers for beginning or end of roller conveyor: L = 500 mm (pair); L = 250 mm (pair)



**Profile protectors  
VR 2000 / VR 3000 /  
VR 4000 / VR 2000F /  
VR 3000F / VR 4000F /  
VR 3000DF / VR 4000DF  
(Optional)**

Profile protectors for support rollers 200 mm (Alum./11 x and Alum./16 x). Support rollers covered with protective tubing



**Profile protectors  
VR 2003 / VR 3003 /  
VR 4003 / VR 2003F /  
VR 3003F / VR 4003F /  
VR 3003DF / VR 4003DF  
(Optional)**

Profile protectors for support rollers 3x120 mm (Alum./33 x and Alum./48 x). Support rollers covered with protective tubing



**Additional mini-roller  
conveyors (Optional)**

Additional mini-roller conveyors with rubber rollers top/bottom



**Rails (VR 2000 /  
VR 3000 / VR 4000 /  
VR 2003 / VR 3003 /  
VR 4003 excluded)  
(Optional)**

Rails, 2.0 m, left and right



**VR / VERTICAL ROLLERS**

**MODELS**

**VR 2000**



**VR 3000**



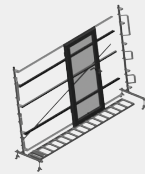
**VR 4000**



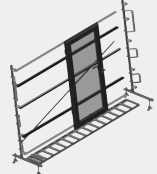
**VR 2003**



**VR 3003**



**VR 4003**



**VR 2000 F**



**VR 3000 F**



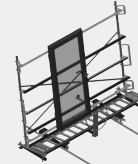
**VR 4000 F**



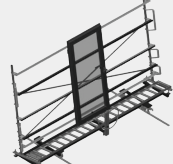
**VR 2003 F**



**VR 3003 F**



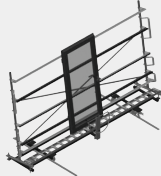
**VR 4003 F**



**VR 3000 DF**



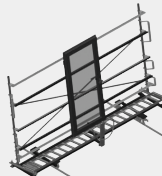
**VR 4000 DF**



**VR 3003 DF**



**VR 4003 DF**





**DIMENSION AND WEIGHT**

**VR 2000 / VR 3000 / VR 4000 / VR 2003 / VR 3003 / VR 4003 / VR 2000 F / VR 3000 F / VR 4000 F / VR 2003 F / VR 3003 F / VR 4003 F / VR 3000 DF / VR 4000 DF / VR 3003 DF / VR 4003 DF**

Length (mm) 2.000 / 3.000 / 4.000 / 2.000 / 3.000 / 4.000 / 2.000 / 3.000 / 4.000 / 2.000 / 3.000 / 4.000 / 2.000 / 3.000 / 4.000 / 3.000 / 4.000 / 3.000 / 4.000

Width (mm) 900 / 900 / 900 / 900 / 900 / 900 / 1.000 / 1.000 / 1.000 / 1.000 / 1.000 / 1.000 / 1.000 / 1.000 / 1.000 / 1.000 / 1.000 / 1.000 / 1.000

Height (mm) 2.400 / 2.400 / 2.400 / 2.400 / 2.400 / 2.400 / 2.490 / 2.490 / 2.490 / 2.490 / 2.490 / 2.490 / 2.490 / 2.490 / 2.490 / 2.490 / 2.490 / 2.490 / 2.490

Support height (mm) 2.100

Weight (kg) 80 / 120 / 200 / 100 / 120 / 220 / 100 / 140 / 200 / 120 / 180 / 200 / 180 / 220 / 200 / 240

**VR 2000 / VR 3000 / VR 4000 / VR 2000 F / VR 3000 F / VR 4000 F / VR 3000 DF / VR 4000 DF**

Support roller width (mm) 200

**VR 2003 / VR 3003 / VR 4003 / VR 2003 F / VR 3003 F / VR 4003 F / VR 3003 DF / VR 4003 DF**

Support roller divided into three parts (mm) 3 x 120



CHARACTERISTICS

Load capacity (kg)	200
Mini-roller conveyors with rubber rollers, diameter 50 mm	3
Basic unit with end rack	●
Lead-in rollers L= 500 mm (pair)	○
Lead-in rollers L= 250 mm (pair)	○
Additional mini-roller conveyors with rubber rollers top/bottom	○
<b>VR 2000 F / VR 3000 F / VR 4000 F / VR 2003 F / VR 3003 F / VR 4003 F / VR 3000 DF / VR 4000 DF / VR 3003 DF / VR 4003 DF</b>	
Vertical roller conveyor on rails with flanged rollers mobile	●
Rail 2,0 m left and right	○
<b>VR 3000 DF / VR 4000 DF / VR 3003 DF / VR 4003 DF</b>	
Roller conveyor can be rotated 360°	●
<b>VR 2000 / VR 3000 / VR 4000 / VR 2003 / VR 3003 / VR 4003</b>	
End rack	○
<b>VR 2000 / VR 3000 / VR 4000 / VR 2000 F / VR 3000 F / VR 4000 F / VR 3000 DF / VR 4000 DF</b>	
Profile protectors for L= 200 mm	○
End stop L= 200 mm	○
<b>VR 2003 / VR 3003 / VR 4003 / VR 2003 F / VR 3003 F / VR 4003 F / VR 3003 DF / VR 4003 DF</b>	
Profile protectors for L= 3x120 mm	○
End stop L= 3x120 mm	○

Included ● Available ○