

The Flexible Roller Support System FRS

Components for your individual system

MiniTec

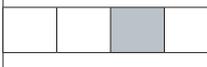
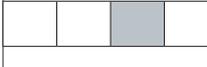
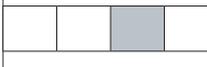
THE ART OF SIMPLICITY

In this overview you will find all details about the different FRS components. When combining the castors and sliding profiles, please note that they have different heights. Accordingly, only those elements should be combined that are compatible in terms of height. Differences can also be compensated for, for example by using a transition piece. It is also possible, for example, to adjust the installation position of the sliding profile to the desired system height. If you have any questions, please do not hesitate to contact us!



| | Art.-No. | Designation | System height (SH) | | | | Features | ESD |
|---|----------|--------------------------------|--------------------|----|----|----|--|-----|
| | | | 49 | 51 | 54 | 58 | | |
|  | 201152/0 | Profile 45 FRS | | | | | The basis of the FRS, i.e. the basic profile that serves as a support for all castor variants. Aluminium, anodised | X |
| Rollers / sliding elements | | | | | | | | |
|  | 320683/0 | Roller element 50 D28-Z-FRS | | | | | Large roll for larger transport goods as well as heavy loads. Plastic PA; ø roller: 28 mm; L=50 mm; black. Load capacity: 125 N | X |
|  | 320684/0 | Roller element 50 D28-S-FRS | | | | | Same type, but with side guides to prevent the goods from drifting or slipping off. Plastic PA, carbon fibre reinforced; ø roller: 28 mm; with wheel flange; L=50 mm; black; load capacity: 125 N | X |
|  | 320685/0 | Roller element 33 D28-Z-FRS | | | | | Same type, but shorter. For even better load-bearing capacity and to prevent the goods being transported from standing in the intermediate spaces, being braked or tipping over. Plastic PA, carbon fibre reinforced; ø roller: 28 mm; with wheel flange; L=33 mm; black; load capacity: 125 N | X |
|  | 320686/0 | Roller element 50 D26-3R-FRS | | | | | Similar to 50 D28-Z (also 50mm long), but with three small wheels instead of one large one per element. Suitable for smaller transport goods - improves the rolling characteristics and prevents the transport goods from tipping over or stopping. Plastic PA, carbon fibre reinforced; ø wheel: 28 mm; L=50 mm; black; load capacity: 125 N | X |
|  | 320688/0 | Roller element 50 D9-5R-FRS | | | | | Lower, closely spaced castors for smaller transport goods. Plastic PA, carbon fibre reinforced; ø castors: 9 mm; L=50 mm; black; load capacity 80 N | X |
|  | 320689/0 | Ball caster element 50 D16-FRS | | | | | For the production of ball transfer units strips in combination with our profile 45 FRS Art. no. 20.1152/0 | X |
|  | 320691/0 | Sliding profile-FRS | | | | | This is useful when goods are only to be pushed at certain points, or for braking goods that have previously been rolling towards you. Depending on the installation position SH 49 or SH 58 Plastic PA, carbon fibre reinforced; L=2000 mm | X |
|  | 320692/0 | Transition piece-FRS | | | | | For height compensation or as termination of a track after a sliding profile transition SH 49 to SH 85 or vice versa. Plastic PA, carbon fibre reinforced L= 50mm | X |

| | Art.-No. | Designation | System height (SH) | | | | Features | ESD |
|---|-----------|---------------------------------------|--------------------|----|----|----|--|-----|
| | | | 49 | 51 | 54 | 58 | | |
| Accessories | | | | | | | | |
|  | 320661/1 | Cover 45 FRS-Z | | | | | Suitable for roller element 50 Z. Used to prevent dust, dirt or similar from falling between the rollers. ABS; black; for cylindrical rollers; | X |
|  | 320661/0 | Cover 45 FRS-S | | | | | Suitable for roller element 50 S. Serves to prevent dust, dirt or similar from falling between the rollers. ABS; black; for flanged rollers | X |
|  | 320661/2 | Cover 45 FRS-G | | | | | If certain sections of the beam profile are to be covered, e.g. for intermediate storage / buffering. ABS; black; closed version | X |
|  | 320687/0 | End piece 10-FRS | | | | | Serves as end (left/right) for roller element 50D26-3R-FRS. Two parts are always required, even with several roller elements in a row. Plastic PA, carbon fibre reinforced; black; L=10 mm | X |
|  | 320690/0 | Backstop 50-FRS | | | | | If transport goods do not move downwards but up a slope (Kanban reversed), then this part serves to prevent the goods from slipping (the inner metal part automatically folds upwards after a feed). Plastic PA, carbon fibre reinforced; steel, galvanised | X |
|  | 221187/0 | Cover 45 FRS | | | | | Serves as termination of a 45 FRS profile system Steel; with fixing material | X |
|  | 32.0668/0 | Fastening shoe FRS | | | | | Used to attach the FRS profile to a post | X |
|  | 320662/0 | Mounting bracket 45 FRS | | | | | Is attached to the end of a track. An angle of 3 degrees creates a slight slope, the transport goods automatically move downwards on the rollers. Steel; with fixing material | X |
|  | 320663/0 | Mounting bracket With stop 45 FRS | | | | | Forms the end of a slope, i.e. it is attached to the lower end of the slope. An angle of 3 degrees creates a slight slope and the goods to be transported automatically move downwards on the castors. Steel; with fixing material | X |
|  | 320666/0 | Mounting bracket 45 FRS -3° | | | | | This angle creates a horizontal conveyor section. It is mounted at the end of a track. Steel; with fixing material | |
|  | 320667/0 | Mounting bracket With stop 45 FRS -3° | | | | | This angle creates a horizontal conveyor section. It is mounted at the end of a track and has an end stop for the material to be conveyed. Steel; with fixing material | |
|  | 320693/0 | Spacer with stop short FRS | | | | | Can be used to fix any components inserted into the profile in position. Steel, stainless Weight = 0.062 kg/each | X |
|  | 320694/0 | Spacer with stop long FRS | | | | | Can be used to fix any components inserted into the profile in position and at the same time serves as a fixed stop Steel, stainless Weight = 0.084 kg/each | X |

| Art.-No. | Designation | System height (SH) | | | | Features | ESD |
|---|-------------|-------------------------|---|----|--|----------|-----|
| | | 49 | 51 | 54 | 58 | | |
| Roller strips for installation in FRS profile | | | | | | | |
|  | 320550/0 | Roll strip D28-Z |  | | Roller bar with cylindrical rollers ø roller: 28 mm; pitch 50 mm; yellow Load capacity: 60 N per roller | | |
|  | 320555/0 | Roll strip D28-Z ESD |  | | Roller bar with cylindrical rollers ø roller: 28 mm; pitch 50 mm; black Load capacity: 60 N per roller | X | |
|  | 320560/0 | Roll strip D28-S |  | | Roll bar with flanged rollers Roller bar with side guide - to prevent the transported goods from drifting or slipping off. ø roller: 28 mm; with wheel flange; pitch 50 mm; yellow Load capacity: 60 N per roller | | |
|  | 320565/0 | Roll strip D28-S ESD |  | | Roll bar with flanged rollers Roller bar with side guide - to prevent the transported goods from drifting or slipping off. ø roller: 28 mm; with wheel flange; pitch 50 mm; black Load capacity: 60 N per roller | X | |