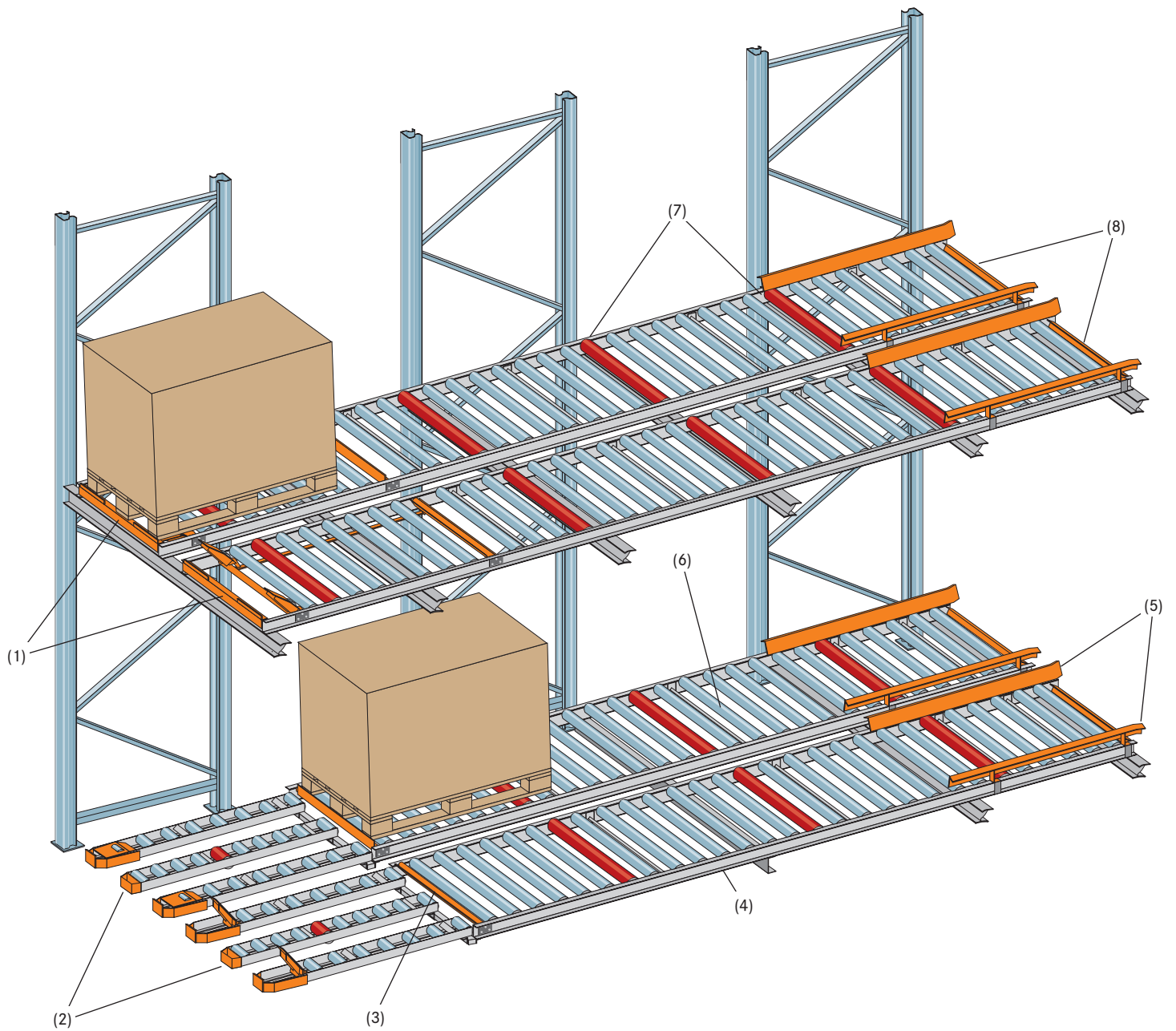


Technical Data

LIFO push-back racking (roller track)





(1) Run-out element

(2) 3-piece ground run-out

(3) Separator

(4) Middle section

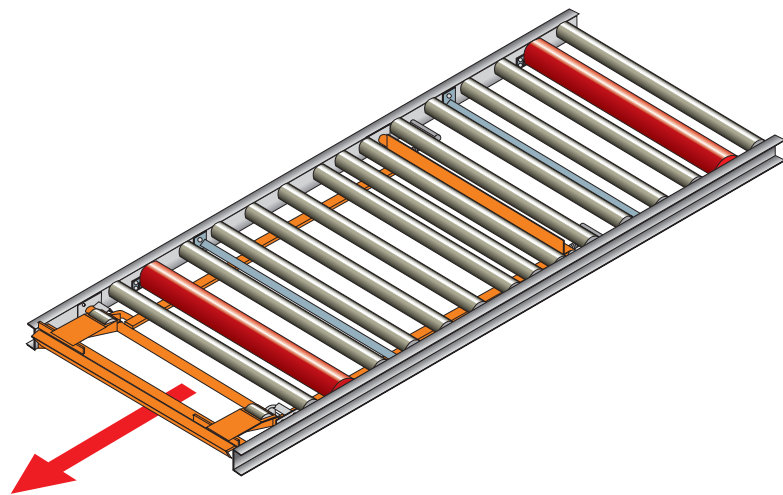
(5) Loading section with entry funnel

(6) Support rollers

(7) Braked support rollers

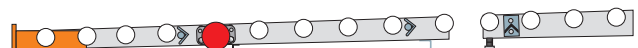
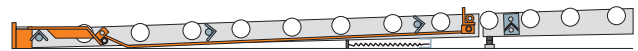
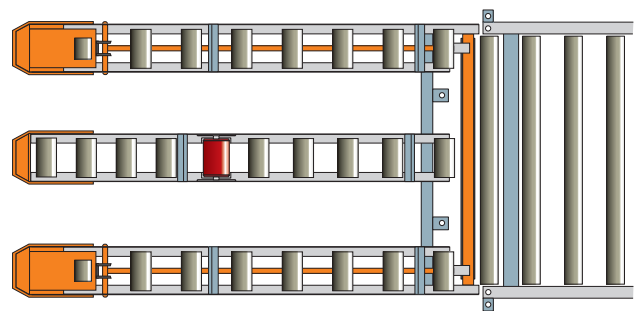
(8) Roller protection

(1) Run-out element with separator

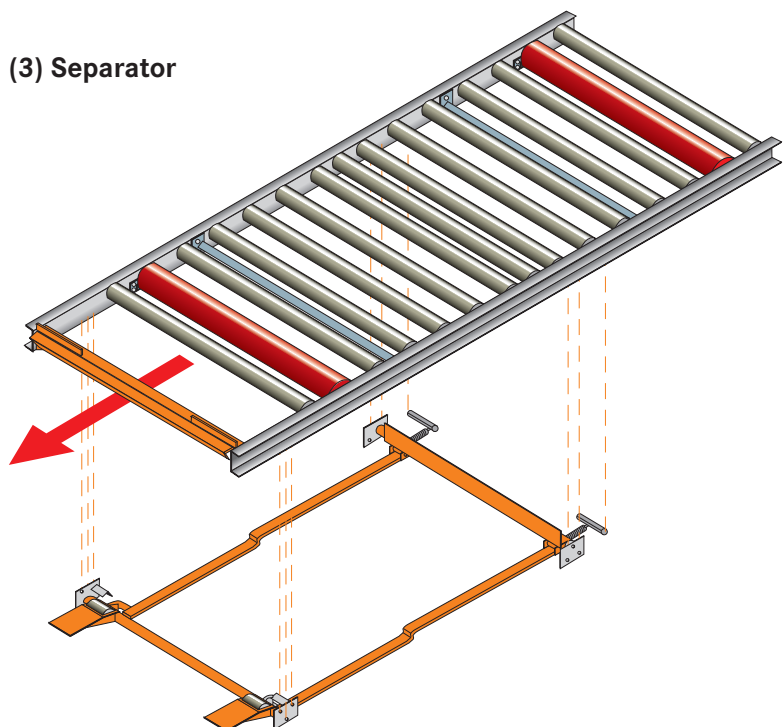


- Maintenance-free, smooth running rollers.
- Simple and safe pallet extraction.
- „Dynamic end stop“ ensures that the pallets always reach the end stop.
- Robust security system.

**(2) 3-piece ground run-out with separator
e.g. for extraction by forklift truck.**

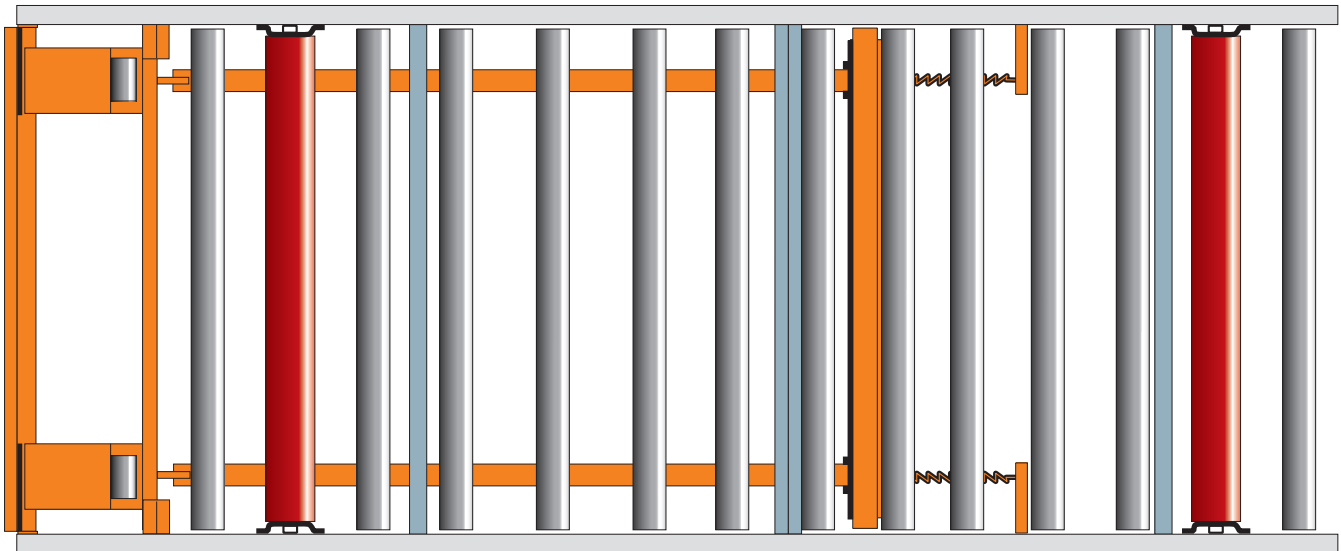


(3) Separator

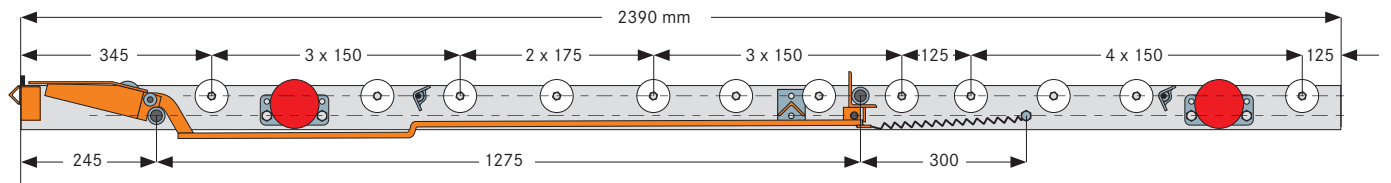


- The reliable mechanical separator guarantees separation and unpressurized pallet unloading
- The dynamic pre-stop ensures the end stop is arrived at gently, even for different weights.
- The pallet is guaranteed to always reach a precisely defined extraction location at the end stop.

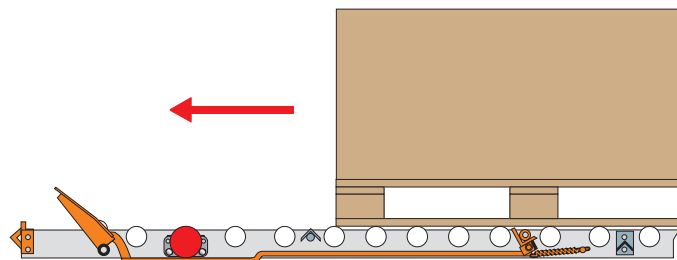
Separator (top view)



Separator (side view)

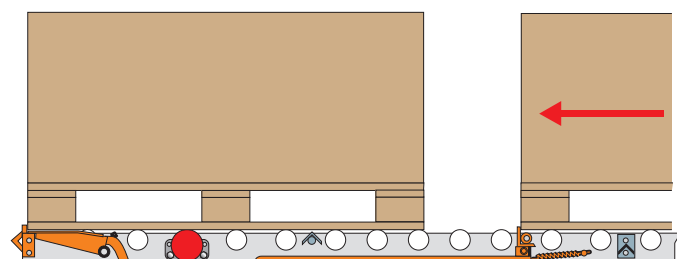


Separator (open)



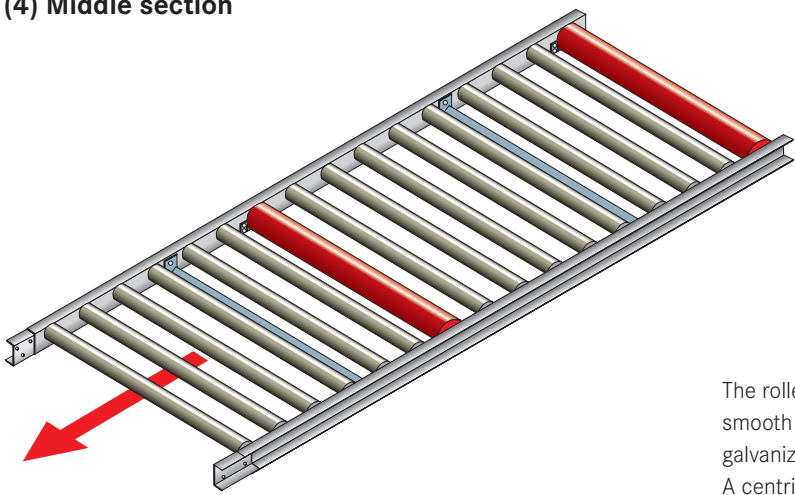
- In facilities with high loading pressures the size of the separator can be increased. As a result an intermediate separator, which leads to longer roller tracks, can often be dispensed with.
- Additional support rollers are integrated into the special separator flaps. These guarantee that the load carrier (of whatever configuration) always comes to rest at the end stop. Pallets can therefore be extracted safely and without adjustment of the truck position.

Separator (open)



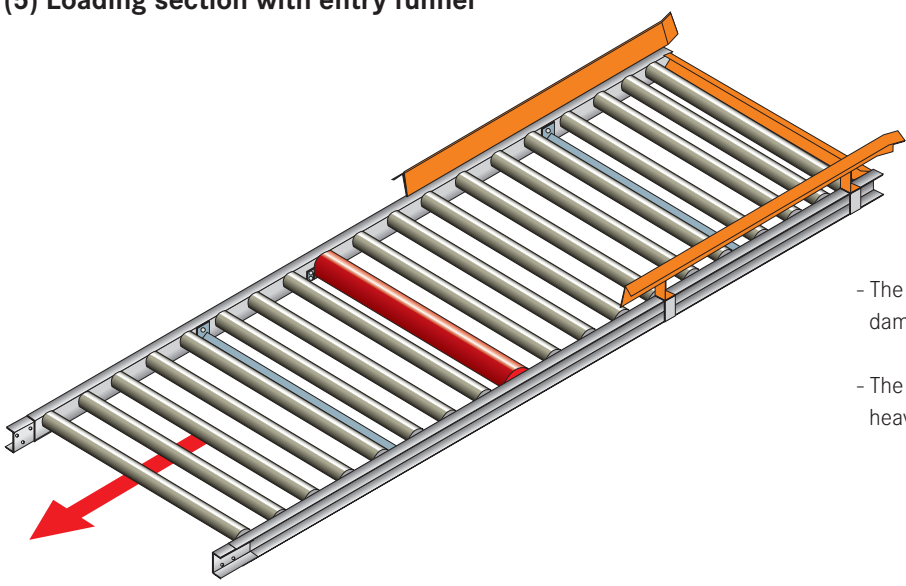
- For order picking facilities separators are also available with manual release.

(4) Middle section



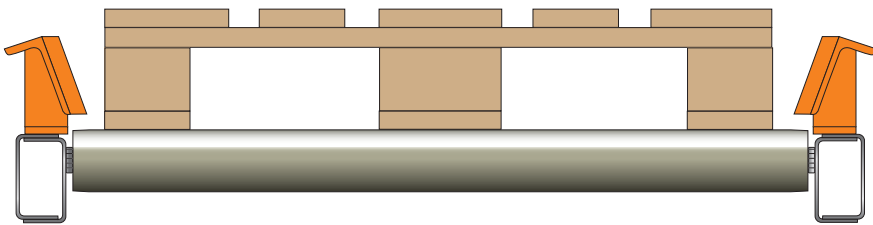
The roller track profile comprises a robust U or L profile. The smooth running steel rollers are made of bright steel, or on request galvanized, steel tube. A centrifugal brake is provided at every pallet location.

(5) Loading section with entry funnel



- The entry funnel is of particularly stable design, to prevent damage in rough everyday use.
- The rollers in the entry area are additionally protected with heavy angle steel.

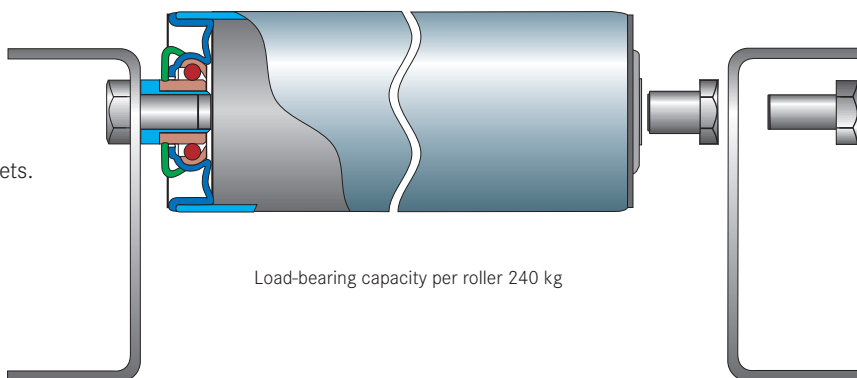
Entry funnel with centering function



(6) Support rollers for tracks

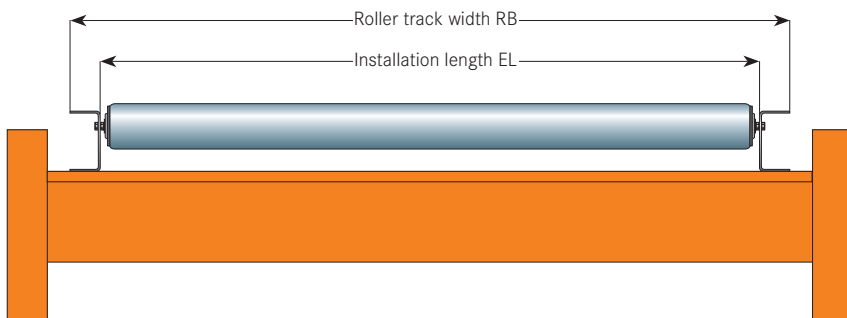
Gravity roller tracks designed as standard for Euro-Pool pallets to DIN 15146 part 2 or similar pallets, are fitted with support rollers Ø 60 x 2 mm, load-bearing capacity per roller 240 kg. To ensure long service life the ball race insert is made of steel. The ball bearings are maintenance-free. The roller is of bright steel as standard, but is also available galvanized.

The roller pitch is usually 150 mm.
 The overall height of the roller track is 91 mm for Ø 60 mm support rollers.
 Other roller pitches (75 mm - 100 mm - 125 mm) are possible for high load weights and/or special pallets.

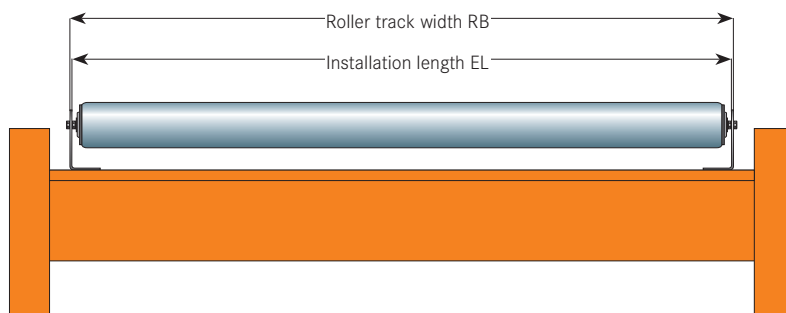


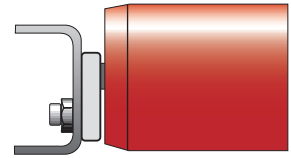
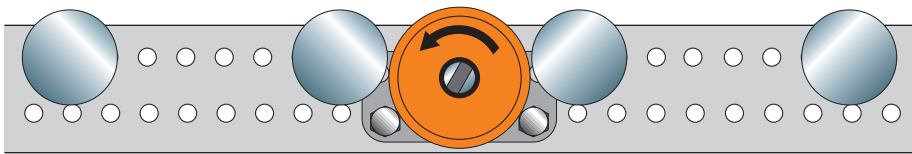
Standard dimensions for split roller tracks*		Standard dimensions for Euro, industrial and special pallets*	
EL 110	110 mm	EL 872	872 mm
EL 130	130 mm	EL 1072	1072 mm
EL 150	150 mm	EL 1272	1272 mm

Roller tracks with U profiles		
EL	U Profile	RB
872 mm	2 x 40 mm	952
1072 mm	2 x 40 mm	1152



Roller tracks with angle profiles		
EL	U Profile	RB
850 mm	2 x 4 mm	858
872 mm	2 x 4 mm	880
1050 mm	2 x 4 mm	1058





(7) Braked support roller

The core of the braked support roller is a 3-stage planetary gear with progressive braking effect and extremely gentle start-up. One feature is the sprung mounting of the braked support roller, which guarantees stable contact with the pallet at all times.

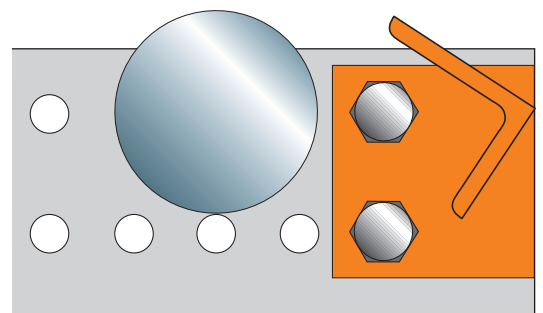
3-stage planetary gear

Direct braking is achieved via sprung braked support rollers Ø 89 mm x 3 mm. Fitted within the braked support roller is a 3-stage planetary gear with progressive braking effect. The throughput speed should never exceed 0.3 m/sec. The use of precision ball bearings ensures extremely gentle start-up with high load capacity.

BTR 500	Braked support roller Ø 89 mm Load up to 500 kg
BTR 800	Braked support roller Ø 89 mm Load up to 800 kg
BTR 1200 D	Braked support roller Ø 89 mm Load up to 1200 kg
BTR 1200 D	Braked support roller Ø 89 mm Load up to 1500 kg (with 2 brake bodies in one braked support roller)
- TK	Deep-freeze configuration (-28°C)

(8) Reinforced roller protection

The rollers in the entry area are additionally protected with heavy angle steel.





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