

## Special systems and solutions

### Swivel castors with dead man's brake

400 kg



#### Swivel castors with dead man's brake:

- Swivel castors with a dead man's brake are similar to drum-braked castors, but use an integrated spring for braking when the brake is not activated.
- The brake is activated by a hexagonal rod connected to the cam housing.
- The closed bracket design makes the brake shoes largely resistant to corrosion and dirt. This ensures that braking performance remains consistent regardless of moisture and dirt in the area.



#### Wheels: GEV series:

- tyres: high-quality elastic solid rubber in smooth rolling quality, hardness 65 Shore A, non-marking, grey
- wheel centre: made from robust grey cast iron, lacquered, colour silver
- brake mechanism: integrated into the wheel centre, zinc-plated, blue-passivated, Cr6-free



#### Wheels: GST series:

- tread: high-quality polyurethane-elastomer Blickle Softthane®, hardness 75 Shore A, colour green, non-marking, non-staining
- wheel centre: made from robust grey cast iron, lacquered, colour silver
- brake mechanism: integrated into the wheel centre, zinc-plated, blue-passivated, Cr6-free



#### Wheels: GTH series:

- tread: high-quality polyurethane-elastomer Blickle Extrathane®, hardness 92 Shore A, colour light brown, non-marking, non-staining
- wheel centre: made from robust grey cast iron, lacquered, colour silver
- brake mechanism: integrated into the wheel centre, zinc-plated, blue-passivated, Cr6-free

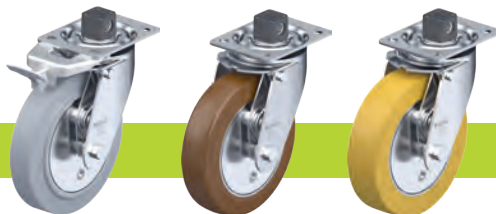


#### Swivel castors with a dead man's brake and swivel head brake:

- Swivel castors with a dead man's brake and swivel head brake are similar to drum-braked castors, but use an integrated spring for braking when the brake is not activated.
- Positive locking is used to stop the swivel head rotating.
- The brake is activated by a hexagonal rod connected to the cam housing.
- The closed bracket design makes the brake shoes largely resistant to corrosion and dirt. This ensures that braking performance remains consistent regardless of moisture and dirt in the area.

| Swivel castors with dead man's brake | Swivel castors with a dead man's brake and swivel head brake | Wheel Ø [mm] | Wheel width [mm] | Load capacity [kg] | Bearing type | Total height [mm] | Plate size [mm] | Bolt hole spacing [mm] | Bolt hole Ø [mm] | Width across flats [mm] | Offset [mm] |
|--------------------------------------|--------------------------------------------------------------|--------------|------------------|--------------------|--------------|-------------------|-----------------|------------------------|------------------|-------------------------|-------------|
| L-GEV 200K-TM13-SG                   | L-GEV 200K-TTM13-SG                                          | 200          | 50               | 400                | ball bearing | 235               | 140 x 110       | 105 x 75-80            | 11               | 13                      | 65          |
| L-GST 200K-TM13                      | L-GST 200K-TTM13                                             | 200          | 50               | 400                | ball bearing | 235               | 140 x 110       | 105 x 75-80            | 11               | 13                      | 65          |
| L-GTH 200K-TM13                      | L-GTH 200K-TTM13                                             | 200          | 50               | 400                | ball bearing | 235               | 140 x 110       | 105 x 75-80            | 11               | 13                      | 65          |

Braking can place swivel castors under a significant amount of additional stress, depending on the mass which needs to be braked. We recommend using an additional safety factor of 2.0-3.0 when designing the vehicle / chassis.



#### Versions / options

| Technical description page | directional lock (separate) 1 x 360° | other wheel designs | switching cam with width across flats 11 mm |
|----------------------------|--------------------------------------|---------------------|---------------------------------------------|
| Product code suffix        | RI-05.03                             | GB, GBS series      |                                             |
| Available for              | all                                  | upon request        | upon request                                |

- operating angle: max. 38°
- torque required to release the brake: < 10 Nm
- braking force: > 400 N

