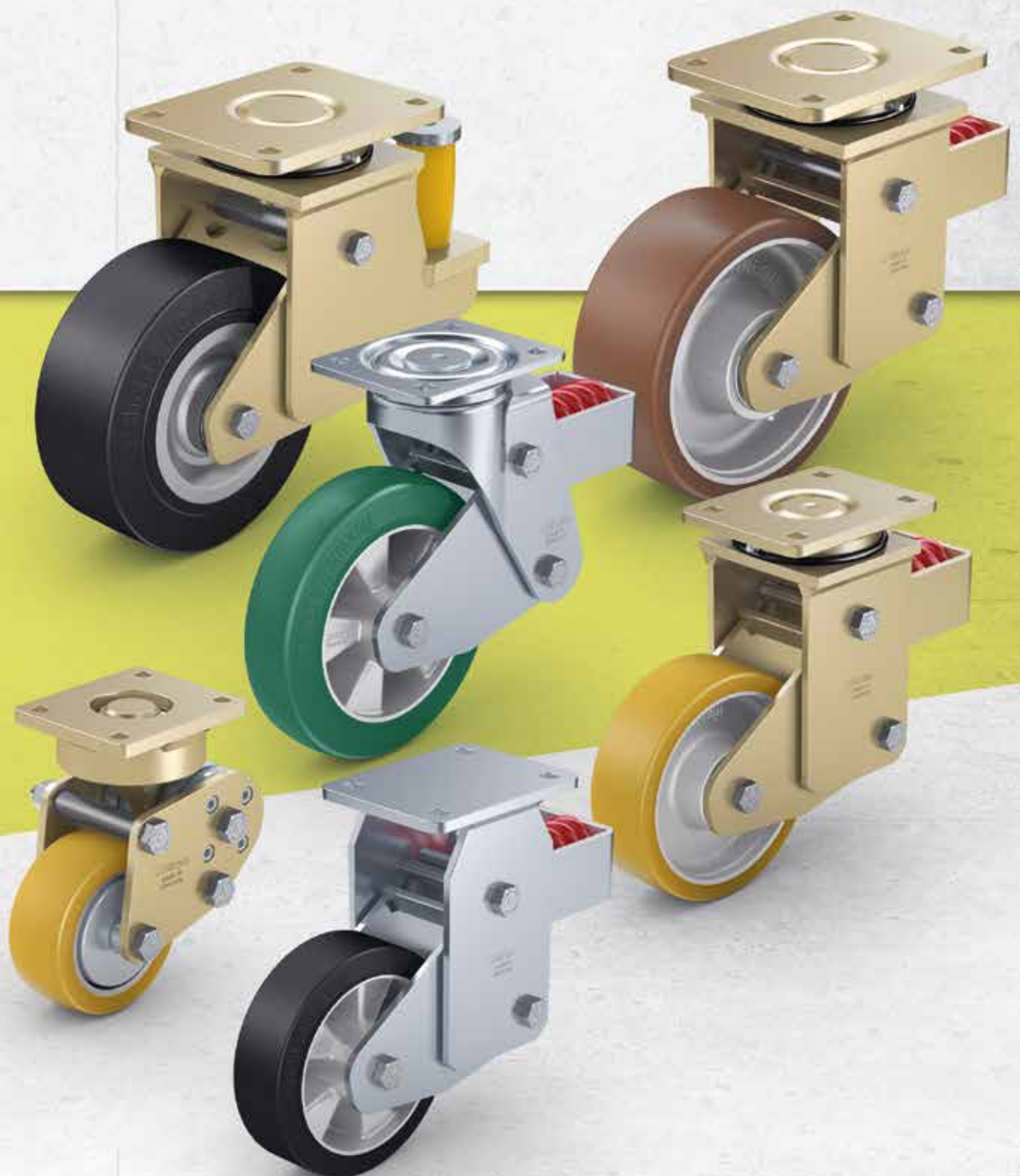


## Spring-loaded castors





## Selection tool

### Spring-loaded castors



| Series                                                          | LHF                  | LPFE                            | LSFN                             | LSFE                             |
|-----------------------------------------------------------------|----------------------|---------------------------------|----------------------------------|----------------------------------|
| <b>Bracket description</b>                                      | strong pressed steel | solid welded steel construction | robust welded steel construction | robust welded steel construction |
| <b>Suspension</b>                                               | steel spring         | polyurethane torsion spring     | steel spring                     | polyurethane spring element      |
| <b>Wheel Ø</b>                                                  | 100–200 mm           | 100–150 mm                      | 160–300 mm                       | 160–250 mm                       |
| <b>Castor load capacity up to</b>                               | 800 kg               | 500 kg                          | 2,400 kg                         | 1,800 kg                         |
| <b>Initial tension</b>                                          | 30–50 kg             | 40 kg                           | 50–150 kg                        | 50–200 kg                        |
| <b>Spring tension</b>                                           | 200–570 kg           | 330–500 kg                      | 400–1,500 kg                     | 300–1,200 kg                     |
| <b>Max. spring travel</b>                                       | 19–25 mm             | 16–25 mm                        | 25–45 mm                         | 25 mm                            |
| <b>Speeds up to 16 km/h</b>                                     | ■ ■ ■ ■ ■            | ■ ■ ■ ■ ■                       | ■ ■ ■ ■ ■                        | ■ ■ ■ ■ ■                        |
| <b>Damping characteristics</b>                                  | ■ ■ ■ ■ ■            | ■ ■ ■ ■ ■                       | ■ ■ ■ ■ ■                        | ■ ■ ■ ■ ■                        |
| <b>Used on challenging surfaces</b>                             | ■ ■ ■ ■ ■            | ■ ■ ■ ■ ■                       | ■ ■ ■ ■ ■                        | ■ ■ ■ ■ ■                        |
| <b>Available wheel series</b>                                   | ALEV, ALST, ALTH     | ALEV, ALTH                      | SE, GST, GTH, GB                 | SE, GST, GTH, GB                 |
| <b>For a description of the wheel, refer to</b>                 | page 221, 294, 274   | page 221, 274                   | page 228, 301, 286–287, 312–313  | page 228, 301, 286–287, 312–313  |
| <b>For information about swivel and fixed castors, refer to</b> | page 476, 480, 483   | page 477, 484                   | page 478, 481, 485, 487          | page 479, 482, 486, 488          |

■ ■ ■ ■ ■ excellent

■ ■ ■ ■ ■ very good

■ ■ ■ ■ ■ good

■ ■ ■ ■ ■ satisfactory

■ ■ ■ ■ ■ adequate

## LHF-ALEV, BHF-ALEV series

**Pressed steel castors, heavy-duty design,  
with steel spring, wheel with  
“Blickle EasyRoll” elastic solid rubber tyre**

 200–500 kg

### Bracket: LHF/BHF series

- strong pressed steel, zinc-plated, blue-passivated, Cr6-free
- heavy fork and top plate
- robust spring structure with steel spring
- maintenance-free spring mechanism

### Swivel bracket:

- double ball bearing in the swivel head
- bolted and secured central kingpin, extremely strong
- particularly resistant to shocks and impact due to **four specially-shaped, hardened bearing seats**

### Wheel: ALEV series

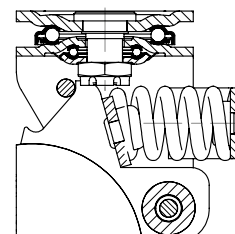
- tyre: high-quality elastic solid rubber “Blickle EasyRoll” in smooth rolling quality, hardness 65 Shore A, colour black
- wheel centre: die-cast aluminium

### Additional details:

- bracket series: page 94
- wheel series: page 63
- bearing types: page 84–85



 **Blickle  
EasyRoll**



| Swivel castors  | Fixed castors   | Wheel Ø<br>[mm] | Wheel<br>width<br>[mm] | Load capacity<br>[kg] | Spring<br>force<br>[kg] | Pretensioning<br>force<br>[kg] | Spring<br>travel<br>[mm] | Total<br>height<br>[mm] | Plate<br>size<br>[mm] | Bolt hole<br>spacing<br>[mm] | Bolt<br>hole Ø<br>[mm] | Offset<br>swivel castor<br>[mm] |
|-----------------|-----------------|-----------------|------------------------|-----------------------|-------------------------|--------------------------------|--------------------------|-------------------------|-----------------------|------------------------------|------------------------|---------------------------------|
| LHF-ALEV 100K-1 | BHF-ALEV 100K-1 | 100             | 40                     | 200                   | 200                     | 30                             | 19                       | 175                     | 100 x 85              | 80 x 60                      | 9                      | 32                              |
| LHF-ALEV 100K-3 | BHF-ALEV 100K-3 | 100             | 40                     | 200                   | 200                     | 30                             | 19                       | 175                     | 140 x 110             | 105 x 75–80                  | 11                     | 32                              |
| LHF-ALEV 125K-1 | BHF-ALEV 125K-1 | 125             | 40                     | 250                   | 240                     | 30                             | 21                       | 200                     | 100 x 85              | 80 x 60                      | 9                      | 45                              |
| LHF-ALEV 125K-3 | BHF-ALEV 125K-3 | 125             | 40                     | 250                   | 240                     | 30                             | 21                       | 200                     | 140 x 110             | 105 x 75–80                  | 11                     | 45                              |
| LHF-ALEV 160K   | BHF-ALEV 160K   | 160             | 50                     | 400                   | 400                     | 50                             | 25                       | 245                     | 140 x 110             | 105 x 75–80                  | 11                     | 65                              |
| LHF-ALEV 200K   | BHF-ALEV 200K   | 200             | 50                     | 500                   | 400                     | 50                             | 25                       | 265                     | 140 x 110             | 105 x 75–80                  | 11                     | 65                              |

### Versions / options



|                            | with non-marking<br>grey tyre | electrically<br>conductive version,<br>black tyre | with “Radstop” wheel<br>brake |
|----------------------------|-------------------------------|---------------------------------------------------|-------------------------------|
| Technical description page | 52                            | 50                                                | 113                           |
| <b>Product code suffix</b> | <b>-SG</b>                    | <b>-EL</b>                                        | <b>-RA</b>                    |
| Available for              | all                           | upon request                                      | upon request                  |

LPFE-ALEV, BPFE-ALEV series

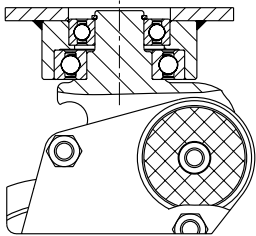
**Heavy-duty castors**  
**with polyurethane torsion springs, wheel with**  
**“Blickle EasyRoll” elastic solid rubber tyre**

 200–400 kg

- Bracket:** LPFE/BPFE series
- solid welded steel construction, solid forged part, zinc-plated, yellow-passivated, Cr6-free
  - patented woodruff key design for outstanding spring-damping properties
- Swivel bracket:**
- one sealed lifetime lubricated grooved ball bearing in the swivel head (two for wheel Ø 125x50 mm or more)

- Wheel:** ALEV series
- tyre: high-quality elastic solid rubber “Blickle EasyRoll” in smooth rolling quality, hardness 65 Shore A, colour black
  - wheel centre: die-cast aluminium

- Additional details:**
- bracket series: page 95
  - wheel series: page 63
  - bearing types: page 84–85



| Swivel castors    | Fixed castors     | Wheel Ø<br>[mm] | Wheel<br>width<br>[mm] | Load capacity<br>[kg] | Spring<br>force<br>[kg] | Pretensioning<br>force<br>[kg] | Spring<br>travel<br>[mm] | Total<br>height<br>[mm] | Plate<br>size<br>[mm] | Bolt hole<br>spacing<br>[mm] | Bolt<br>hole Ø<br>[mm] | Offset<br>swivel castor<br>[mm] |
|-------------------|-------------------|-----------------|------------------------|-----------------------|-------------------------|--------------------------------|--------------------------|-------------------------|-----------------------|------------------------------|------------------------|---------------------------------|
| LPFE-ALEV 100K-FA | BPFE-ALEV 100K-FA | 100             | 40                     | 200                   | 330                     | 40                             | 16                       | 170                     | 100 x 85              | 80 x 60                      | 9                      | 38                              |
| LPFE-ALEV 125K-FA | BPFE-ALEV 125K-FA | 125             | 40                     | 250                   | 290                     | 40                             | 18                       | 192                     | 100 x 85              | 80 x 60                      | 9                      | 45                              |
| LPFE-ALEV 127K    | BPFE-ALEV 127K    | 125             | 50                     | 300                   | 370                     | 40                             | 25                       | 225                     | 140 x 110             | 105 x 75–80                  | 11                     | 61                              |
| LPFE-ALEV 150K    | BPFE-ALEV 150K    | 150             | 50                     | 400                   | 370                     | 40                             | 25                       | 255                     | 140 x 110             | 105 x 75–80                  | 11                     | 61                              |

**Versions / options**



|                            | with non-marking<br>grey tyre | electrically<br>conductive version,<br>black tyre | with stem    |
|----------------------------|-------------------------------|---------------------------------------------------|--------------|
| Technical description page | 52                            | 50                                                | 104          |
| <b>Product code suffix</b> | <b>-SG</b>                    | <b>-EL</b>                                        | <b>-ZA</b>   |
| Available for              | all                           | upon request                                      | upon request |

## LSFN-SE, BSFN-SE series

**Welded steel heavy-duty castors  
with steel spring, wheel with  
“Blickle EasyRoll” elastic solid rubber tyres**

 450–1,000 kg

**Bracket:** LSFN/BSFN series

- particularly robust welded steel construction, zinc-plated, yellow-passivated, Cr6-free
- robust spring structure with steel spring
- maintenance-free spring mechanism

**Swivel bracket:**

- axial grooved ball bearing ISO 104 and tapered roller bearing ISO 355 in the swivel head
- bolted and secured welded central kingpin, extremely strong
- dust and splash-proof
- grease nipple

**Wheel:** SE series

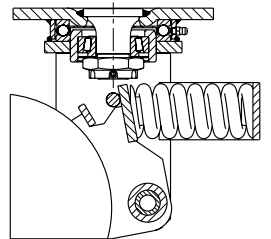
- tyre: high-quality elastic solid rubber “Blickle EasyRoll” in smooth rolling quality, hardness 65 Shore A, colour black
- wheel centre: thick-walled pressed steel, lacquered, colour anthracite

**Additional details:**

- bracket series: page 95
- wheel series: page 63
- bearing types: page 84–85



 **Blickle  
EasyRoll**



| Swivel castors | Fixed castors | Wheel Ø<br>[mm] | Wheel<br>width<br>[mm] | Load capacity<br>[kg] | Spring<br>force<br>[kg] | Pretensioning<br>force<br>[kg] | Spring<br>travel<br>[mm] | Total<br>height<br>[mm] | Plate<br>size<br>[mm] | Bolt hole<br>spacing<br>[mm] | Bolt<br>hole Ø<br>[mm] | Offset<br>swivel castor<br>[mm] |
|----------------|---------------|-----------------|------------------------|-----------------------|-------------------------|--------------------------------|--------------------------|-------------------------|-----------------------|------------------------------|------------------------|---------------------------------|
| LSFN-SE 160K   | BSFN-SE 160K  | 160             | 50                     | 450                   | 400                     | 50                             | 25                       | 245                     | 140 x 110             | 105 x 75–80                  | 11                     | 100                             |
| LSFN-SE 200K   | BSFN-SE 200K  | 200             | 50                     | 600                   | 400                     | 50                             | 25                       | 265                     | 140 x 110             | 105 x 75–80                  | 11                     | 100                             |
| LSFN-SE 202K   | BSFN-SE 202K  | 200             | 80                     | 850                   | 570                     | 75                             | 25                       | 275                     | 175 x 140             | 140 x 105                    | 14                     | 100                             |
| LSFN-SE 250K   | BSFN-SE 250K  | 250             | 60                     | 850                   | 570                     | 75                             | 25                       | 315                     | 175 x 140             | 140 x 105                    | 14                     | 120                             |
| LSFN-SE 252K   | BSFN-SE 252K  | 250             | 80                     | 1,000                 | 750                     | 100                            | 25                       | 315                     | 175 x 140             | 140 x 105                    | 14                     | 120                             |
| LSFN-SE 300K   | BSFN-SE 300K  | 300             | 75                     | 1,000                 | 850                     | 100                            | 45                       | 395                     | 200 x 160             | 160 x 120                    | 14                     | 120                             |

### Versions / options



|                            | with non-marking<br>grey tyre              | with “Radstop” wheel<br>brake | with directional lock |
|----------------------------|--------------------------------------------|-------------------------------|-----------------------|
| Technical description page | 52                                         | 113                           | 115                   |
| <b>Product code suffix</b> | <b>-SG</b>                                 | <b>-RA</b>                    |                       |
| Available for              | wheel Ø 160–200 mm,<br>others upon request | upon request                  | upon request          |

LSFE-SE, BSFE-SE series

Welded steel heavy-duty castors  
with polyurethane spring, wheel with  
“Blickle EasyRoll” elastic solid rubber tyres

 450–1,000 kg

**Bracket:** LSFE/BSFE series

- particularly robust welded steel construction, zinc-plated, yellow-passivated, Cr6-free
- elastomer spring for excellent damping properties
- maintenance-free spring mechanism

**Swivel bracket:**

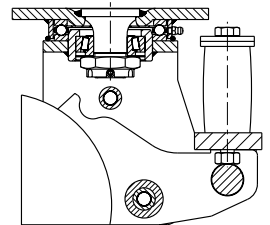
- axial grooved ball bearing ISO 104 and tapered roller bearing ISO 355 in the swivel head
- bolted and secured welded central kingpin, extremely strong
- dust and splash-proof
- grease nipple

**Wheel:** SE series

- tyre: high-quality elastic solid rubber “Blickle EasyRoll” in smooth rolling quality, hardness 65 Shore A, colour black
- wheel centre: thick-walled pressed steel, lacquered, colour anthracite

**Additional details:**

- bracket series: page 95
- wheel series: page 63
- bearing types: page 84–85



| Swivel castors | Fixed castors | Wheel Ø<br>[mm] | Wheel<br>width<br>[mm] | Load capacity<br>[kg] | Spring<br>force<br>[kg] | Pretensioning<br>force<br>[kg] | Spring<br>travel<br>[mm] | Total<br>height<br>[mm] | Plate<br>size<br>[mm] | Bolt hole<br>spacing<br>[mm] | Bolt<br>hole Ø<br>[mm] | Offset<br>swivel castor<br>[mm] |
|----------------|---------------|-----------------|------------------------|-----------------------|-------------------------|--------------------------------|--------------------------|-------------------------|-----------------------|------------------------------|------------------------|---------------------------------|
| LSFE-SE 160K   | BSFE-SE 160K  | 160             | 50                     | 450                   | 300                     | 50                             | 25                       | 245                     | 140 x 110             | 105 x 75–80                  | 11                     | 100                             |
| LSFE-SE 200K   | BSFE-SE 200K  | 200             | 50                     | 600                   | 500                     | 50                             | 25                       | 265                     | 140 x 110             | 105 x 75–80                  | 11                     | 100                             |
| LSFE-SE 202K   | BSFE-SE 202K  | 200             | 80                     | 850                   | 700                     | 100                            | 25                       | 275                     | 175 x 140             | 140 x 105                    | 14                     | 100                             |
| LSFE-SE 250K   | BSFE-SE 250K  | 250             | 60                     | 850                   | 700                     | 100                            | 25                       | 315                     | 175 x 140             | 140 x 105                    | 14                     | 120                             |
| LSFE-SE 252K   | BSFE-SE 252K  | 250             | 80                     | 1,000                 | 700                     | 100                            | 25                       | 315                     | 175 x 140             | 140 x 105                    | 14                     | 120                             |

Versions / options



|                            | with non-marking<br>grey tyre              | with “Radstop” wheel<br>brake | with directional lock | different<br>spring tension |
|----------------------------|--------------------------------------------|-------------------------------|-----------------------|-----------------------------|
| Technical description page | 52                                         | 113                           | 115                   |                             |
| Product code suffix        | -SG                                        | -RA                           |                       |                             |
| Available for              | wheel Ø 160–200 mm,<br>others upon request | upon request                  | upon request          | upon request                |

LHF-ALST, BHF-ALST series

Pressed steel castors, heavy-duty design,  
with steel spring, wheel with  
Blickle Softhane® polyurethane tread



 320–750 kg

**Bracket:** LHF/BHF series

- strong pressed steel, zinc-plated, blue-passivated, Cr6-free
- heavy fork and top plate
- robust spring structure with steel spring
- maintenance-free spring mechanism

Swivel bracket:

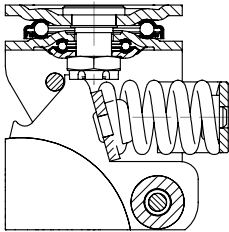
- double ball bearing in the swivel head
- bolted and secured central kingpin, extremely strong
- particularly resistant to shocks and impact due to **four specially-shaped, hardened bearing seats**

**Wheel:** ALST series

- tread: high-quality polyurethane elastomer Blickle Softhane®, hardness 75 Shore A, colour green, non-marking, non-staining
- wheel centre: die-cast aluminium, colour silver grey

**Additional details:**

- bracket series: page 94
- wheel series: page 66
- bearing types: page 84–85



| Swivel castors  | Fixed castors   | Wheel Ø<br>[mm] | Wheel<br>width<br>[mm] | Load capacity<br>[kg] | Spring<br>force<br>[kg] | Pretensioning<br>force<br>[kg] | Spring<br>travel<br>[mm] | Total<br>height<br>[mm] | Plate<br>size<br>[mm] | Bolt hole<br>spacing<br>[mm] | Bolt<br>hole Ø<br>[mm] | Offset<br>swivel castor<br>[mm] |
|-----------------|-----------------|-----------------|------------------------|-----------------------|-------------------------|--------------------------------|--------------------------|-------------------------|-----------------------|------------------------------|------------------------|---------------------------------|
| LHF-ALST 100K-1 | BHF-ALST 100K-1 | 100             | 40                     | 320                   | 200                     | 30                             | 19                       | 175                     | 100 x 85              | 80 x 60                      | 9                      | 32                              |
| LHF-ALST 100K-3 | BHF-ALST 100K-3 | 100             | 40                     | 320                   | 200                     | 30                             | 19                       | 175                     | 140 x 110             | 105 x 75–80                  | 11                     | 32                              |
| LHF-ALST 125K-1 | BHF-ALST 125K-1 | 125             | 40                     | 350                   | 240                     | 30                             | 21                       | 200                     | 100 x 85              | 80 x 60                      | 9                      | 45                              |
| LHF-ALST 125K-3 | BHF-ALST 125K-3 | 125             | 40                     | 350                   | 240                     | 30                             | 21                       | 200                     | 140 x 110             | 105 x 75–80                  | 11                     | 45                              |
| LHF-ALST 160K   | BHF-ALST 160K   | 160             | 50                     | 580                   | 570                     | 50                             | 25                       | 245                     | 140 x 110             | 105 x 75–80                  | 11                     | 65                              |
| LHF-ALST 200K   | BHF-ALST 200K   | 200             | 50                     | 750                   | 570                     | 50                             | 25                       | 265                     | 140 x 110             | 105 x 75–80                  | 11                     | 65                              |



Versions / options

|                            |                                         |                               |
|----------------------------|-----------------------------------------|-------------------------------|
|                            | antistatic version,<br>non-marking grey | with "Radstop" wheel<br>brake |
| Technical description page | 50                                      | 113                           |
| Product code suffix        | -AS                                     | -RA                           |
| Available for              | upon request                            | upon request                  |

LSFN-GST, BSFN-GST series  
Welded steel heavy-duty castors  
with steel spring, wheel with  
Blickle Softhane® polyurethane tread

 600–1,800 kg

**Bracket:** LSFN/BSFN series

- particularly robust welded steel construction, zinc-plated, yellow-passivated, Cr6-free
- robust spring structure with steel spring
- maintenance-free spring mechanism

**Swivel bracket:**

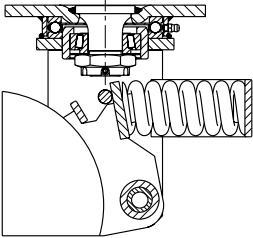
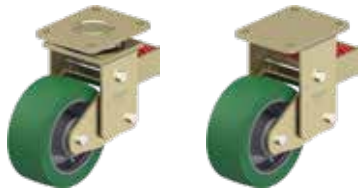
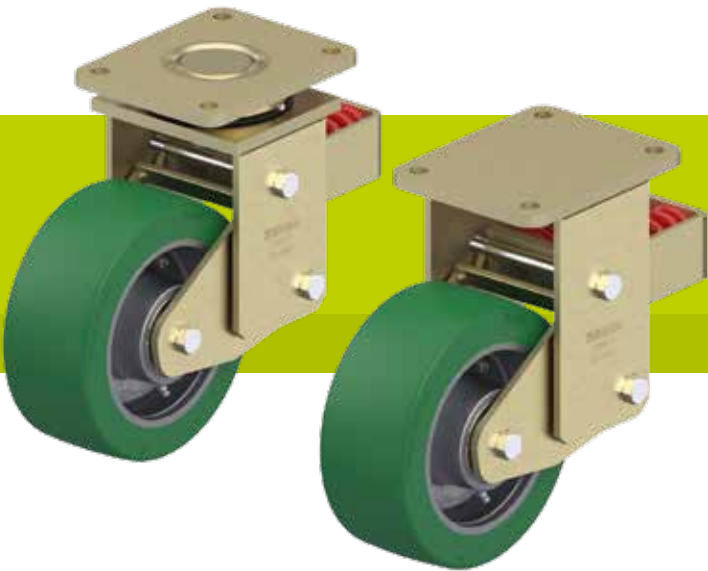
- axial grooved ball bearing ISO 104 and tapered roller bearing ISO 355 in the swivel head
- bolted and secured welded central kingpin, extremely strong
- dust and splash-proof
- grease nipple

**Wheel:** GST series

- tread: high-quality polyurethane elastomer Blickle Softhane®, hardness 75 Shore A, colour green, non-marking, non-staining
- wheel centre: rugged grey cast iron, with grease nipple, lacquered, colour silver

**Additional details:**

- bracket series: page 95
- wheel series: page 67
- bearing types: page 84–85



| Swivel castors | Fixed castors | Wheel Ø<br>[mm] | Wheel<br>width<br>[mm] | Load capacity<br>[kg] | Spring<br>force<br>[kg] | Pretensioning<br>force<br>[kg] | Spring<br>travel<br>[mm] | Total<br>height<br>[mm] | Plate<br>size<br>[mm] | Bolt hole<br>spacing<br>[mm] | Bolt<br>hole Ø<br>[mm] | Offset<br>swivel castor<br>[mm] |
|----------------|---------------|-----------------|------------------------|-----------------------|-------------------------|--------------------------------|--------------------------|-------------------------|-----------------------|------------------------------|------------------------|---------------------------------|
| LSFN-GST 160K  | BSFN-GST 160K | 160             | 50                     | 600                   | 570                     | 75                             | 25                       | 245                     | 140 x 110             | 105 x 75–80                  | 11                     | 100                             |
| LSFN-GST 200K  | BSFN-GST 200K | 200             | 50                     | 800                   | 570                     | 75                             | 25                       | 265                     | 140 x 110             | 105 x 75–80                  | 11                     | 100                             |
| LSFN-GST 202K  | BSFN-GST 202K | 200             | 80                     | 1,200                 | 750                     | 100                            | 25                       | 275                     | 175 x 140             | 140 x 105                    | 14                     | 100                             |
| LSFN-GST 250K  | BSFN-GST 250K | 250             | 60                     | 1,200                 | 750                     | 100                            | 25                       | 315                     | 175 x 140             | 140 x 105                    | 14                     | 120                             |
| LSFN-GST 252K  | BSFN-GST 252K | 250             | 80                     | 1,400                 | 1,000                   | 150                            | 45                       | 370                     | 200 x 160             | 160 x 120                    | 14                     | 120                             |
| LSFN-GST 302K  | BSFN-GST 302K | 300             | 80                     | 1,800                 | 1,000                   | 150                            | 45                       | 395                     | 200 x 160             | 160 x 120                    | 14                     | 120                             |

Versions / options



|                            | antistatic version,<br>non-marking grey | with "Radstop" wheel<br>brake | with directional lock |
|----------------------------|-----------------------------------------|-------------------------------|-----------------------|
| Technical description page | 50                                      | 113                           | 115                   |
| Product code suffix        | -AS                                     | -RA                           |                       |
| Available for              | upon request                            | upon request                  | upon request          |

LSFE-GST, BSFE-GST series

**Welded steel heavy-duty castors with polyurethane spring, wheel with Blickle Softhane® polyurethane tread**

 600–1,400 kg

**Bracket:** LSFE/BSFE series

- particularly robust welded steel construction, zinc-plated, yellow-passivated, Cr6-free
- elastomer spring for excellent damping properties
- maintenance-free spring mechanism

Swivel bracket:

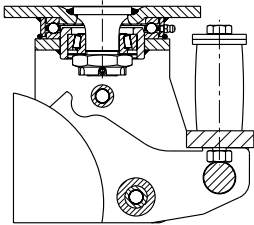
- axial grooved ball bearing ISO 104 and tapered roller bearing ISO 355 in the swivel head
- bolted and secured welded central kingpin, extremely strong
- dust and splash-proof
- grease nipple

**Wheel:** GST series

- tread: high-quality polyurethane elastomer Blickle Softhane®, hardness 75 Shore A, colour green, non-marking, non-staining
- wheel centre: rugged grey cast iron, with grease nipple, lacquered, colour silver

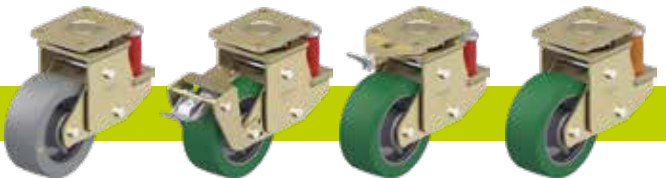
**Additional details:**

- bracket series: page 95
- wheel series: page 67
- bearing types: page 84–85



| Swivel castors | Fixed castors | Wheel Ø<br>[mm] | Wheel width<br>[mm] | Load capacity<br>[kg] | Spring force<br>[kg] | Pretensioning force<br>[kg] | Spring travel<br>[mm] | Total height<br>[mm] | Plate size<br>[mm] | Bolt hole spacing<br>[mm] | Bolt hole Ø<br>[mm] | Offset swivel castor<br>[mm] |
|----------------|---------------|-----------------|---------------------|-----------------------|----------------------|-----------------------------|-----------------------|----------------------|--------------------|---------------------------|---------------------|------------------------------|
| LSFE-GST 160K  | BSFE-GST 160K | 160             | 50                  | 600                   | 500                  | 50                          | 25                    | 245                  | 140 x 110          | 105 x 75–80               | 11                  | 100                          |
| LSFE-GST 200K  | BSFE-GST 200K | 200             | 50                  | 800                   | 500                  | 50                          | 25                    | 265                  | 140 x 110          | 105 x 75–80               | 11                  | 100                          |
| LSFE-GST 202K  | BSFE-GST 202K | 200             | 80                  | 1,200                 | 850                  | 150                         | 25                    | 275                  | 175 x 140          | 140 x 105                 | 14                  | 100                          |
| LSFE-GST 250K  | BSFE-GST 250K | 250             | 60                  | 1,200                 | 850                  | 150                         | 25                    | 315                  | 175 x 140          | 140 x 105                 | 14                  | 120                          |
| LSFE-GST 252K  | BSFE-GST 252K | 250             | 80                  | 1,400                 | 1,200                | 200                         | 25                    | 315                  | 200 x 160          | 160 x 120                 | 14                  | 120                          |

**Versions / options**



|                            | antistatic version, non-marking grey | with "Radstop" wheel brake | with directional lock | different spring tension |
|----------------------------|--------------------------------------|----------------------------|-----------------------|--------------------------|
| Technical description page | 50                                   | 113                        | 115                   |                          |
| Product code suffix        | -AS                                  | -RA                        |                       |                          |
| Available for              | upon request                         | upon request               | upon request          | upon request             |

## LHF-ALTH, BHF-ALTH series

**Pressed steel castors, heavy-duty design,  
with steel spring, wheel with  
Blickle Extrathane® polyurethane tread**

 350–800 kg



### Bracket: LHF/BHF series

- strong pressed steel, zinc-plated, blue-passivated, Cr6-free
- heavy fork and top plate
- robust spring structure with steel spring
- maintenance-free spring mechanism

### Swivel bracket:

- double ball bearing in the swivel head
- bolted and secured central kingpin, extremely strong
- particularly resistant to shocks and impact due to **four specially-shaped, hardened bearing seats**

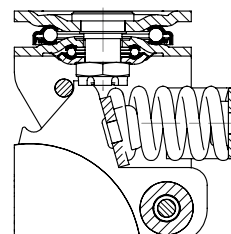
### Wheel: ALTH series

- tread: high-quality polyurethane elastomer Blickle Extrathane®, hardness 92 Shore A, colour light brown, non-marking, non-staining
- wheel centre: die-cast aluminium, colour silver grey

### Additional details:

- bracket series: page 94
- wheel series: page 65
- bearing types: page 84–85

 **Blickle  
Extrathane®**



| Swivel castors        | Fixed castors         | Wheel Ø<br>[mm] | Wheel<br>width<br>[mm] | Load capacity<br>[kg] | Spring<br>force<br>[kg] | Pretensioning<br>force<br>[kg] | Spring<br>travel<br>[mm] | Total<br>height<br>[mm] | Plate<br>size<br>[mm] | Bolt hole<br>spacing<br>[mm] | Bolt<br>hole Ø<br>[mm] | Offset<br>swivel castor<br>[mm] |
|-----------------------|-----------------------|-----------------|------------------------|-----------------------|-------------------------|--------------------------------|--------------------------|-------------------------|-----------------------|------------------------------|------------------------|---------------------------------|
| LHF-ALTH 101K-1-FA    | BHF-ALTH 101K-1-FA    | 100             | 40                     | 350                   | 200                     | 30                             | 19                       | 175                     | 100 x 85              | 80 x 60                      | 9                      | 32                              |
| LHF-ALTH 101K-1-FA-CO | BHF-ALTH 101K-1-FA-CO | 100             | 40                     | 350                   | 200                     | 30                             | 19                       | 175                     | 100 x 85              | 80 x 60                      | 9                      | 32                              |
| LHF-ALTH 101K-3-FA    | BHF-ALTH 101K-3-FA    | 100             | 40                     | 350                   | 200                     | 30                             | 19                       | 175                     | 140 x 110             | 105 x 75–80                  | 11                     | 32                              |
| LHF-ALTH 101K-3-FA-CO | BHF-ALTH 101K-3-FA-CO | 100             | 40                     | 350                   | 200                     | 30                             | 19                       | 175                     | 140 x 110             | 105 x 75–80                  | 11                     | 32                              |
| LHF-ALTH 125K-1-FA    | BHF-ALTH 125K-1-FA    | 125             | 40                     | 350                   | 240                     | 30                             | 21                       | 200                     | 100 x 85              | 80 x 60                      | 9                      | 41                              |
| LHF-ALTH 125K-1-FA-CO | BHF-ALTH 125K-1-FA-CO | 125             | 40                     | 350                   | 240                     | 30                             | 21                       | 200                     | 100 x 85              | 80 x 60                      | 9                      | 41                              |
| LHF-ALTH 125K-3-FA    | BHF-ALTH 125K-3-FA    | 125             | 40                     | 350                   | 240                     | 30                             | 21                       | 200                     | 140 x 110             | 105 x 75–80                  | 11                     | 41                              |
| LHF-ALTH 125K-3-FA-CO | BHF-ALTH 125K-3-FA-CO | 125             | 40                     | 350                   | 240                     | 30                             | 21                       | 200                     | 140 x 110             | 105 x 75–80                  | 11                     | 41                              |
| LHF-ALTH 160K         | BHF-ALTH 160K         | 160             | 50                     | 750                   | 570                     | 50                             | 25                       | 245                     | 140 x 110             | 105 x 75–80                  | 11                     | 65                              |
| LHF-ALTH 160K-CO      | BHF-ALTH 160K-CO      | 160             | 50                     | 750                   | 570                     | 50                             | 25                       | 245                     | 140 x 110             | 105 x 75–80                  | 11                     | 65                              |
| LHF-ALTH 200K         | BHF-ALTH 200K         | 200             | 50                     | 800                   | 570                     | 50                             | 25                       | 265                     | 140 x 110             | 105 x 75–80                  | 11                     | 65                              |
| LHF-ALTH 200K-CO      | BHF-ALTH 200K-CO      | 200             | 50                     | 800                   | 570                     | 50                             | 25                       | 265                     | 140 x 110             | 105 x 75–80                  | 11                     | 65                              |

## Versions / options



version with extremely  
crowned tread

antistatic version,  
non-marking grey

with "Radstop" wheel  
brake

|                            |            |            |              |
|----------------------------|------------|------------|--------------|
| Technical description page | 55         | 50         | 113          |
| <b>Product code suffix</b> | <b>-CO</b> | <b>-AS</b> | <b>-RA</b>   |
| Available for              |            | all        | upon request |

LPFE-ALTH, BPFE-ALTH series

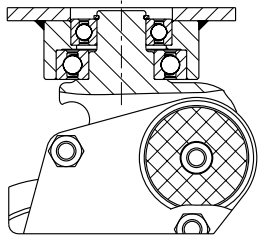
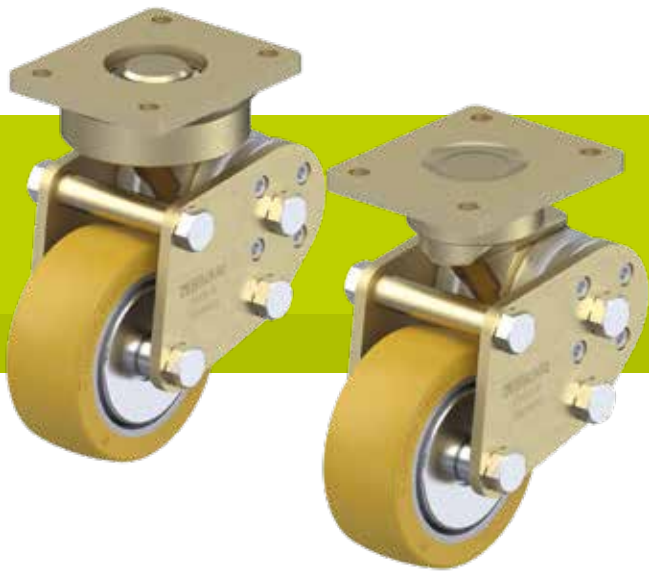
**Heavy-duty castors**  
**with polyurethane torsion springs, wheel with**  
**Blickle Extrathane® polyurethane tread**

 350–500 kg

- Bracket:** LPFE/BPFE series
- solid welded steel construction, solid forged part, zinc-plated, yellow-passivated, Cr6-free
  - patented woodruff key design for outstanding spring-damping properties
- Swivel bracket:**
- one sealed lifetime lubricated grooved ball bearing in the swivel head (two for wheel Ø 125x50 mm or more)

- Wheel:** ALTH series
- tread: high-quality polyurethane elastomer Blickle Extrathane®, hardness 92 Shore A, colour light brown, non-marking, non-staining
  - wheel centre: die-cast aluminium, colour silver grey

- Additional details:**
- bracket series: page 95
  - wheel series: page 65
  - bearing types: page 84–85



| Swivel castors       | Fixed castors        | Wheel Ø<br>[mm] | Wheel<br>width<br>[mm] | Load capacity<br>[kg] | Spring<br>force<br>[kg] | Pretensioning<br>force<br>[kg] | Spring<br>travel<br>[mm] | Total<br>height<br>[mm] | Plate<br>size<br>[mm] | Bolt hole<br>spacing<br>[mm] | Bolt<br>hole Ø<br>[mm] | Offset<br>swivel castor<br>[mm] |
|----------------------|----------------------|-----------------|------------------------|-----------------------|-------------------------|--------------------------------|--------------------------|-------------------------|-----------------------|------------------------------|------------------------|---------------------------------|
| LPFE-ALTH 101K-FA    | BPFE-ALTH 101K-FA    | 100             | 40                     | 350                   | 330                     | 40                             | 16                       | 170                     | 100 x 85              | 80 x 60                      | 9                      | 38                              |
| LPFE-ALTH 101K-FA-CO | BPFE-ALTH 101K-FA-CO | 100             | 40                     | 350                   | 330                     | 40                             | 16                       | 170                     | 100 x 85              | 80 x 60                      | 9                      | 38                              |
| LPFE-ALTH 125K-FA    | BPFE-ALTH 125K-FA    | 125             | 40                     | 350                   | 290                     | 40                             | 18                       | 192                     | 100 x 85              | 80 x 60                      | 9                      | 45                              |
| LPFE-ALTH 125K-FA-CO | BPFE-ALTH 125K-FA-CO | 125             | 40                     | 350                   | 290                     | 40                             | 18                       | 192                     | 100 x 85              | 80 x 60                      | 9                      | 45                              |
| LPFE-ALTH 127K       | BPFE-ALTH 127K       | 125             | 54                     | 450                   | 500                     | 40                             | 25                       | 225                     | 140 x 110             | 105 x 75–80                  | 11                     | 61                              |
| LPFE-ALTH 150K       | BPFE-ALTH 150K       | 150             | 50                     | 500                   | 500                     | 40                             | 25                       | 255                     | 140 x 110             | 105 x 75–80                  | 11                     | 61                              |



**Versions / options**

|                            | version with extremely<br>crowned tread | antistatic version,<br>non-marking grey | with stem    |
|----------------------------|-----------------------------------------|-----------------------------------------|--------------|
| Technical description page | 55                                      | 50                                      | 104          |
| Product code suffix        | -CO                                     | -AS                                     | -ZA          |
| Available for              |                                         | all                                     | upon request |

## LSFN-GTH, BSFN-GTH series

### Welded steel heavy-duty castors with steel spring, wheel with Blickle Extrathane® polyurethane tread

 800–2,400 kg

#### Bracket: LSFN/BSFN series

- particularly robust welded steel construction, zinc-plated, yellow-passivated, Cr6-free
- robust spring structure with steel spring
- maintenance-free spring mechanism

#### Swivel bracket:

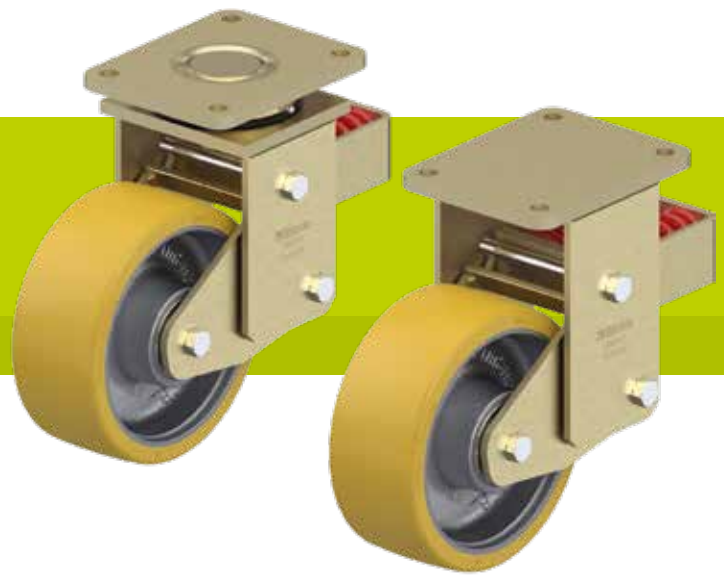
- axial grooved ball bearing ISO 104 and tapered roller bearing ISO 355 in the swivel head
- bolted and secured welded central kingpin, extremely strong
- dust and splash-proof
- grease nipple

#### Wheel: GTH series

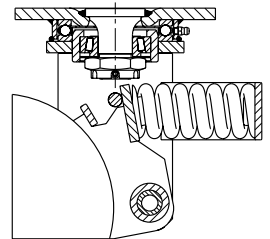
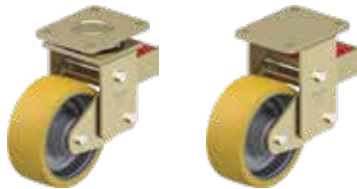
- tread: high-quality polyurethane elastomer Blickle Extrathane®, hardness 92 Shore A, colour light brown, non-marking, non-staining
- wheel centre: rugged grey cast iron, with grease nipple, lacquered, colour silver

#### Additional details:

- bracket series: page 95
- wheel series: page 66
- bearing types: page 84–85



 Blickle  
Extrathane®



| Swivel castors    | Fixed castors     | Wheel Ø<br>[mm] | Wheel width<br>[mm] | Load capacity<br>[kg] | Spring force<br>[kg] | Pretensioning force<br>[kg] | Spring travel<br>[mm] | Total height<br>[mm] | Plate size<br>[mm] | Bolt hole spacing<br>[mm] | Bolt hole Ø<br>[mm] | Offset swivel castor<br>[mm] |
|-------------------|-------------------|-----------------|---------------------|-----------------------|----------------------|-----------------------------|-----------------------|----------------------|--------------------|---------------------------|---------------------|------------------------------|
| LSFN-GTH 160K     | BSFN-GTH 160K     | 160             | 50                  | 800                   | 570                  | 75                          | 25                    | 245                  | 140 x 110          | 105 x 75–80               | 11                  | 100                          |
| LSFN-GTH 200K     | BSFN-GTH 200K     | 200             | 50                  | 1,000                 | 570                  | 75                          | 25                    | 265                  | 140 x 110          | 105 x 75–80               | 11                  | 100                          |
| LSFN-GTH 202K     | BSFN-GTH 202K     | 200             | 80                  | 1,600                 | 750                  | 100                         | 25                    | 275                  | 175 x 140          | 140 x 105                 | 14                  | 100                          |
| LSFN-GTH 250K     | BSFN-GTH 250K     | 250             | 60                  | 1,500                 | 750                  | 100                         | 25                    | 315                  | 175 x 140          | 140 x 105                 | 14                  | 120                          |
| LSFN-GTH 252K     | BSFN-GTH 252K     | 250             | 80                  | 2,200                 | 1,000                | 150                         | 45                    | 370                  | 200 x 160          | 160 x 120                 | 14                  | 120                          |
| LSFN-GTH 252K-F30 | BSFN-GTH 252K-F30 | 250             | 80                  | 2,200                 | 1,500                | 150                         | 30                    | 370                  | 200 x 160          | 160 x 120                 | 14                  | 120                          |
| LSFN-GTH 302K     | BSFN-GTH 302K     | 300             | 80                  | 2,400                 | 1,000                | 150                         | 45                    | 395                  | 200 x 160          | 160 x 120                 | 14                  | 120                          |
| LSFN-GTH 302K-F30 | BSFN-GTH 302K-F30 | 300             | 80                  | 2,400                 | 1,500                | 150                         | 30                    | 395                  | 200 x 160          | 160 x 120                 | 14                  | 120                          |

Version F30 with shortened spring travel

#### Versions / options



|                            | antistatic version, non-marking grey | with "Radstop" wheel brake | with directional lock |
|----------------------------|--------------------------------------|----------------------------|-----------------------|
| Technical description page | 50                                   | 113                        | 115                   |
| Product code suffix        | -AS                                  | -RA                        |                       |
| Available for              | upon request                         | upon request               | upon request          |

## LSFE-GTH, BSFE-GTH series

**Welded steel heavy-duty castors  
with polyurethane spring, wheel with  
Blickle Extrathane® polyurethane tread**

 800–1,800 kg

### Bracket: LSFE/BSFE series

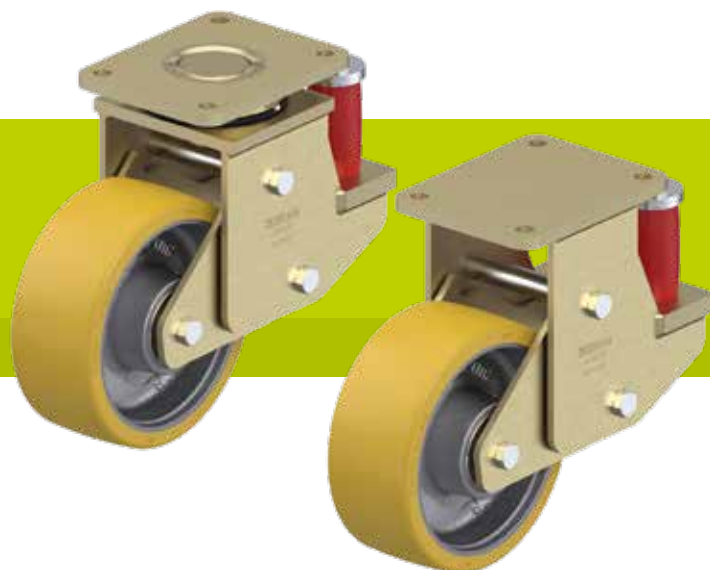
- particularly robust welded steel construction, zinc-plated, yellow-passivated, Cr6-free
- elastomer spring for excellent damping properties
- maintenance-free spring mechanism
- swivel bracket:
  - axial grooved ball bearing ISO 104 and tapered roller bearing ISO 355 in the swivel head
  - bolted and secured welded central kingpin, extremely strong
  - dust and splash-proof
  - grease nipple

### Wheel: GTH series

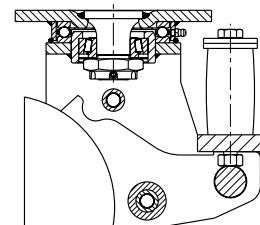
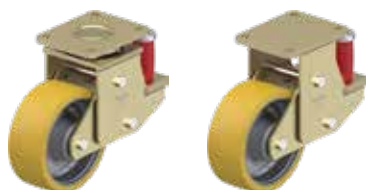
- tread: high-quality polyurethane elastomer Blickle Extrathane®, hardness 92 Shore A, colour light brown, non-marking, non-staining
- wheel centre: rugged grey cast iron, with grease nipple, lacquered, colour silver

### Additional details:

- bracket series: page 95
- wheel series: page 66
- bearing types: page 84–85

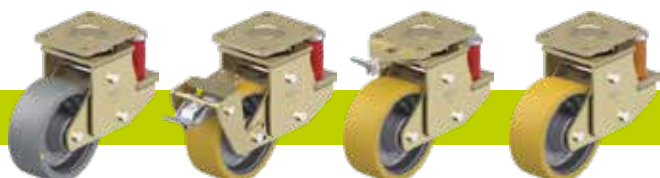


 **Blickle  
Extrathane®**



| Swivel castors | Fixed castors | Wheel Ø<br>[mm] | Wheel<br>width<br>[mm] | Load capacity<br>[kg] | Spring<br>force<br>[kg] | Pretensioning<br>force<br>[kg] | Spring<br>travel<br>[mm] | Total<br>height<br>[mm] | Plate<br>size<br>[mm] | Bolt hole<br>spacing<br>[mm] | Bolt<br>hole Ø<br>[mm] | Offset<br>swivel castor<br>[mm] |
|----------------|---------------|-----------------|------------------------|-----------------------|-------------------------|--------------------------------|--------------------------|-------------------------|-----------------------|------------------------------|------------------------|---------------------------------|
| LSFE-GTH 160K  | BSFE-GTH 160K | 160             | 50                     | 800                   | 500                     | 50                             | 25                       | 245                     | 140 x 110             | 105 x 75–80                  | 11                     | 100                             |
| LSFE-GTH 200K  | BSFE-GTH 200K | 200             | 50                     | 1,000                 | 500                     | 50                             | 25                       | 265                     | 140 x 110             | 105 x 75–80                  | 11                     | 100                             |
| LSFE-GTH 202K  | BSFE-GTH 202K | 200             | 80                     | 1,600                 | 850                     | 150                            | 25                       | 275                     | 175 x 140             | 140 x 105                    | 14                     | 100                             |
| LSFE-GTH 250K  | BSFE-GTH 250K | 250             | 60                     | 1,500                 | 850                     | 150                            | 25                       | 315                     | 175 x 140             | 140 x 105                    | 14                     | 120                             |
| LSFE-GTH 252K  | BSFE-GTH 252K | 250             | 80                     | 1,800                 | 1,200                   | 200                            | 25                       | 315                     | 200 x 160             | 160 x 120                    | 14                     | 120                             |

### Versions / options



|                            | antistatic version,<br>non-marking grey | with "Radstop" wheel<br>brake | with directional lock | different<br>spring tension |
|----------------------------|-----------------------------------------|-------------------------------|-----------------------|-----------------------------|
| Technical description page | 50                                      | 113                           | 115                   |                             |
| Product code suffix        | -AS                                     | -RA                           |                       |                             |
| Available for              | upon request                            | upon request                  | upon request          | upon request                |

## LSFN-GB, BSFN-GB series

**Welded steel heavy-duty castors  
with steel spring, wheel with  
Blickle Besthane® polyurethane tread**

 800–2,400 kg

### Bracket: LSFN/BSFN series

- particularly robust welded steel construction, zinc-plated, yellow-passivated, Cr6-free
- robust spring structure with steel spring
- maintenance-free spring mechanism

### Swivel bracket:

- axial grooved ball bearing ISO 104 and tapered roller bearing ISO 355 in the swivel head
- bolted and secured welded central kingpin, extremely strong
- dust and splash-proof
- grease nipple

### Wheel: GB series

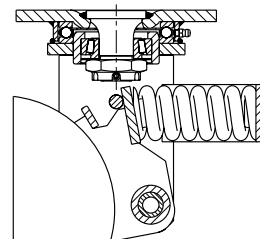
- tread: high-quality polyurethane elastomer Blickle Besthane®, hardness 92 Shore A, colour brown, non-marking, non-staining
- wheel centre: rugged grey cast iron, with grease nipple, lacquered, colour silver

### Additional details:

- bracket series: page 95
- wheel series: page 67
- bearing types: page 84–85



 **Blickle  
Besthane®**



| Swivel castors   | Fixed castors    | Wheel Ø<br>[mm] | Wheel<br>width<br>[mm] | Load capacity<br>[kg] | Spring<br>force<br>[kg] | Pretensioning<br>force<br>[kg] | Spring<br>travel<br>[mm] | Total<br>height<br>[mm] | Plate<br>size<br>[mm] | Bolt hole<br>spacing<br>[mm] | Bolt<br>hole Ø<br>[mm] | Offset<br>swivel castor<br>[mm] |
|------------------|------------------|-----------------|------------------------|-----------------------|-------------------------|--------------------------------|--------------------------|-------------------------|-----------------------|------------------------------|------------------------|---------------------------------|
| LSFN-GB 160K     | BSFN-GB 160K     | 160             | 50                     | 800                   | 570                     | 75                             | 25                       | 245                     | 140 x 110             | 105 x 75–80                  | 11                     | 100                             |
| LSFN-GB 200K     | BSFN-GB 200K     | 200             | 50                     | 1,000                 | 570                     | 75                             | 25                       | 265                     | 140 x 110             | 105 x 75–80                  | 11                     | 100                             |
| LSFN-GB 202K     | BSFN-GB 202K     | 200             | 80                     | 1,600                 | 750                     | 100                            | 25                       | 275                     | 175 x 140             | 140 x 105                    | 14                     | 100                             |
| LSFN-GB 250K     | BSFN-GB 250K     | 250             | 60                     | 1,500                 | 750                     | 100                            | 25                       | 315                     | 175 x 140             | 140 x 105                    | 14                     | 120                             |
| LSFN-GB 252K     | BSFN-GB 252K     | 250             | 80                     | 2,200                 | 1,000                   | 150                            | 45                       | 370                     | 200 x 160             | 160 x 120                    | 14                     | 120                             |
| LSFN-GB 252K-F30 | BSFN-GB 252K-F30 | 250             | 80                     | 2,200                 | 1,500                   | 150                            | 30                       | 370                     | 200 x 160             | 160 x 120                    | 14                     | 120                             |
| LSFN-GB 302K     | BSFN-GB 302K     | 300             | 80                     | 2,400                 | 1,000                   | 150                            | 45                       | 395                     | 200 x 160             | 160 x 120                    | 14                     | 120                             |
| LSFN-GB 302K-F30 | BSFN-GB 302K-F30 | 300             | 80                     | 2,400                 | 1,500                   | 150                            | 30                       | 395                     | 200 x 160             | 160 x 120                    | 14                     | 120                             |

Version F30 with shortened spring travel

## Versions / options



|                            | with "Radstop" wheel<br>brake | with directional lock |
|----------------------------|-------------------------------|-----------------------|
| Technical description page | 113                           | 115                   |
| Product code suffix        | -RA                           |                       |
| Available for              | upon request                  | upon request          |

LSFE-GB, BSFE-GB series

**Welded steel heavy-duty castors  
with polyurethane spring, wheel with  
Blickle Besthane® polyurethane tread**

 800–1,800 kg

**Bracket:** LSFE/BSFE series

- particularly robust welded steel construction, zinc-plated, yellow-passivated, Cr6-free
- elastomer spring for excellent damping properties
- maintenance-free spring mechanism

**Swivel bracket:**

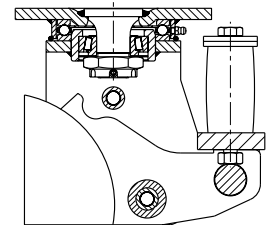
- axial grooved ball bearing ISO 104 and tapered roller bearing ISO 355 in the swivel head
- bolted and secured welded central kingpin, extremely strong
- dust and splash-proof
- grease nipple

**Wheel:** GB series

- tread: high-quality polyurethane elastomer Blickle Besthane®, hardness 92 Shore A, colour brown, non-marking, non-staining
- wheel centre: rugged grey cast iron, with grease nipple, lacquered, colour silver

**Additional details:**

- bracket series: page 95
- wheel series: page 67
- bearing types: page 84–85



| Swivel castors | Fixed castors | Wheel Ø | Wheel width | Load capacity | Spring force | Pretensioning force | Spring travel | Total height | Plate size | Bolt hole spacing | Bolt hole Ø | Offset swivel castor |
|----------------|---------------|---------|-------------|---------------|--------------|---------------------|---------------|--------------|------------|-------------------|-------------|----------------------|
|                |               | [mm]    | [mm]        | [kg]          | [kg]         | [kg]                | [mm]          | [mm]         | [mm]       | [mm]              | [mm]        | [mm]                 |
| LSFE-GB 160K   | BSFE-GB 160K  | 160     | 50          | 800           | 500          | 50                  | 25            | 245          | 140 x 110  | 105 x 75–80       | 11          | 100                  |
| LSFE-GB 200K   | BSFE-GB 200K  | 200     | 50          | 1,000         | 500          | 50                  | 25            | 265          | 140 x 110  | 105 x 75–80       | 11          | 100                  |
| LSFE-GB 202K   | BSFE-GB 202K  | 200     | 80          | 1,600         | 850          | 150                 | 25            | 275          | 175 x 140  | 140 x 105         | 14          | 100                  |
| LSFE-GB 250K   | BSFE-GB 250K  | 250     | 60          | 1,500         | 850          | 150                 | 25            | 315          | 175 x 140  | 140 x 105         | 14          | 120                  |
| LSFE-GB 252K   | BSFE-GB 252K  | 250     | 80          | 1,800         | 1,200        | 200                 | 25            | 315          | 200 x 160  | 160 x 120         | 14          | 120                  |

**Versions / options**



|                            | with "Radstop" wheel brake | with directional lock | different spring tension |
|----------------------------|----------------------------|-----------------------|--------------------------|
| Technical description page | 113                        | 115                   |                          |
| <b>Product code suffix</b> | <b>-RA</b>                 |                       |                          |
| Available for              | upon request               | upon request          | upon request             |