















## Heavy duty nylon wheels and castors



14

## Table of Contents

	<b>SPO</b>	<b>LK/LKR</b>	<b>LU</b>	<b>LH</b>	<b>LHZ</b>	<b>LT</b>	<b>LO</b>	<b>LS</b>	<b>LOD</b>	<b>LSD</b>
	<b>SPO</b> Series SPO Wheel Ø 75 - 250 mm Load capacity 300 - 2000 kg									
		LK-/LKR-SPO 75 - 200 mm 300 - 600 kg	LU-SPO 125 - 200 mm 750 kg	LH-SPO 75 - 250 mm 300 - 900 kg	LHZ-SPO 125 - 200 mm 750 - 800 kg	LT-SPO 75 - 150 mm 300 - 750 kg	LO-SPO 125 - 250 mm 750 - 1250 kg	LS-SPO 125 - 250 mm 750 - 2000 kg	LOD-SPO 80 - 125 mm 600 - 1200 kg	LSD-SPO 125 - 250 mm 1350 - 3600 kg
	<b>Page 300/301</b>	<b>302-304</b>	<b>305</b>	<b>306/307</b>	<b>308</b>	<b>309</b>	<b>310</b>	<b>311</b>	<b>312</b>	<b>313</b>
	<b>GSP0</b> Series GSP0 Wheel Ø 35 - 1000 mm Load capacity 100 - 50000 kg									
				LH-GSP0 65 - 125 mm 650 - 900 kg			LS-GSP0 100 - 400 mm 1500 - 12000 kg			LSD-GSP0 80 - 400 mm 1750 - 20000 kg
	<b>Page 314</b>			<b>315</b>			<b>316</b>			<b>317</b>

Series: SPO, wheel Ø 75 - 160 mm

## Heavy duty nylon wheels

300 - 850 kg

RoHS



<b>Tread &amp; tyre hardness</b>	70° shore D
<b>Temperature resistance</b>	-25° C - +80° C
<b>Rolling resistance</b>	excellent
<b>Operating noise</b>	reasonable
<b>Floor surface preservation</b>	reasonable

### SPO-wheel series:

Made of high-quality, impact-resistant nylon, very rugged, heavy wheel design, 70° shore D hardness, very low rolling and swivel resistance, smooth running performance on even floors, high abrasion resistance, colour natural white. (Material description page 40)

### Bearing types:

- Plain bore, corrosion-resistant
- Ball bearing: Two pressed-in ball bearings, lubricated with long-life grease.

### Other features:

High chemical resistance to many aggressive substances (table page 36-37).  
Operating temperature: -25° C to +80° C.  
At ambient temperatures above +35° C the load capacity is reduced.  
Maintenance-free under standard conditions.  
**Wheel series overview page 49**

Wheels	Wheel Ø (D) [mm]	Wheel width (T2) [mm]	Load capacity [kg]	Bearing type	Axle bore Ø (d) [mm]	Hub length (T1) [mm]
SPO 75/12G	75	32	300	Plain bore	12	35
SPO 75/15G	75	32	300	Plain bore	15	35
SPO 75/15-45G	75	32	300	Plain bore	15	45
SPO 75/15K	75	32	300	Ball bearing	15	35
SPO 80/15G	80	37	350	Plain bore	15	45
SPO 80/15K	80	37	350	Ball bearing	15	45
SPO 82/20K	80	70	650	Ball bearing	20	70
SPO 100/15G	100	37	500	Plain bore	15	45
SPO 100/15K	100	37	500	Ball bearing	15	45
SPO 125/15G	125	40	700	Plain bore	15	45
SPO 125/20G	125	40	700	Plain bore	20	45
SPO 125/15K	125	40	700	Ball bearing	15	45
SPO 125/20K	125	40	700	Ball bearing	20	45
SPO 127/20G	125	50	750	Plain bore	20	60
SPO 127/20K	125	50	750	Ball bearing	20	60
SPO 150/20G	150	50	800	Plain bore	20	60
SPO 150/20K	150	50	800	Ball bearing	20	60
SPO 150/25K	150	50	800	Ball bearing	25	60
SPO 160/20G	160	50	850	Plain bore	20	60
SPO 160/20K	160	50	850	Ball bearing	20	60
SPO 160/25K	160	50	850	Ball bearing	25	60

For further wheel Ø refer to the next page

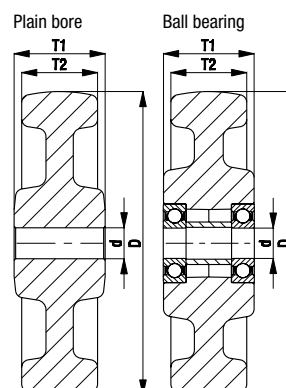
14

### Options



	With grease nipple	With stainless steel ball bearing *
Technical description page		61
<b>Product code suffix</b>	<b>-NI</b>	<b>-XK</b>
Available for	upon request	upon request

\* Some dimensions will result in a reduced load capacity (ask for details)



Series: SPO, wheel Ø 175 - 250 mm

## Heavy duty nylon wheels

1000 - 2000 kg

RoHS



<b>Tread &amp; tyre hardness</b>	70° shore D
<b>Temperature resistance</b>	-25° C - +80° C
<b>Rolling resistance</b>	excellent
<b>Operating noise</b>	reasonable
<b>Floor surface preservation</b>	reasonable

### SPO-wheel series:

Made of high-quality, impact-resistant nylon, very rugged, heavy wheel design, 70° shore D hardness, very low rolling and swivel resistance, smooth running performance on even floors, high abrasion resistance, colour natural white. (Material description page 40)

### Bearing types:

- Plain bore, corrosion-resistant
- Ball bearing: Two pressed-in ball bearings, lubricated with long-life grease.

### Other features:

High chemical resistance to many aggressive substances (table page 36-37).  
Operating temperature: -25° C to +80° C.  
At ambient temperatures above +35° C the load capacity is reduced.  
Maintenance-free under standard conditions.  
**Wheel series overview page 49**

Wheels	Wheel Ø (D) [mm]	Wheel width (T2) [mm]	Load capacity [kg]	Bearing type	Axle bore Ø (d) [mm]	Hub length (T1) [mm]
SPO 175/20G	175	50	1000	Plain bore	20	60
SPO 175/20K	175	50	1000	Ball bearing	20	60
SPO 175/25K	175	50	1000	Ball bearing	25	60
SPO 201/20G	200	50	1000	Plain bore	20	60
SPO 201/20K	200	50	1000	Ball bearing	20	60
SPO 200/20G *	200	50	1500	Plain bore	20	60
SPO 200/25G *	200	50	1500	Plain bore	25	60
SPO 200/20K *	200	50	1250	Ball bearing	20	60
SPO 200/25K *	200	50	1500	Ball bearing	25	60
SPO 200/30K *	200	50	1500	Ball bearing	30	60
SPO 251/25G	250	50	1500	Plain bore	25	60
SPO 251/25K	250	50	1500	Ball bearing	25	60
SPO 250/25G *	250	65	2000	Plain bore	25	70
SPO 250/25K *	250	65	2000	Ball bearing	25	65
SPO 250/30K *	250	65	2000	Ball bearing	30	65
SPO 250/35K *	250	65	2000	Ball bearing	35	65

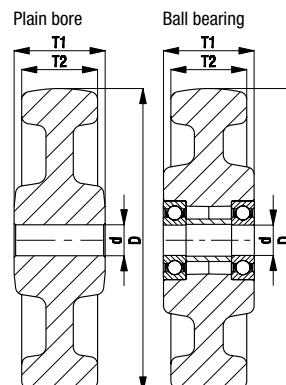
\* Extra heavy wheel design

### Options



	With grease nipple	With stainless steel ball bearing **
Technical description page		61
<b>Product code suffix</b>	<b>-NI</b>	<b>-XK</b>
Available for	upon request	upon request

\*\* Some dimensions will result in a reduced load capacity (ask for details)

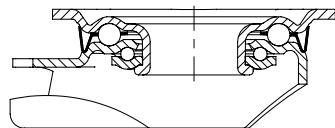


Series: LK-SPO, BK-SPO, wheel Ø 75 - 125x40 mm

**Pressed steel castors, medium heavy duty brackets, with top plate fitting, with heavy duty nylon wheel**

300 - 350 kg

RoHS



**Brackets:** LK/BK series - Made of heavy pressed steel, swivel bracket with double ball bearing in the swivel head, swivel head seals. The special Blickle dynamic riveting process of the swivel head results in minimal swivel head play and smooth rolling characteristics with an increased service life achieved by the work hardening of the ball race grooves. Bolted wheel axle. Zinc-plated, blue-passivated, Cr6-free. Bracket overview: Page 66 Top plate drawings: Page 77 Wheel and swivel head 'stop-fix' brake: Page 80

**Wheels:** SPO series - Made of high-quality, impact-resistant nylon, very rugged, heavy wheel design, 70° shore D, natural white. Bearing types: Plain bore or two pressed-in ball bearings. Detailed description: Page 300 and 49



Swivel castors	Fixed castors	Swivel castors with 'stop-fix' 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]	Offset swivel castor [mm]
LK-SPO 75G	BK-SPO 75G	LK-SPO 75G-FI	75	32	300	Plain bore	108	100 x 85	80 x 60	9	40
LK-SPO 75K	BK-SPO 75K	LK-SPO 75K-FI	75	32	300	Ball bearing	108	100 x 85	80 x 60	9	40
LK-SPO 80G	BK-SPO 80G	LK-SPO 80G-FI	80	37	350	Plain bore	110	100 x 85	80 x 60	9	40
LK-SPO 80K	BK-SPO 80K	LK-SPO 80K-FI	80	37	350	Ball bearing	110	100 x 85	80 x 60	9	40
LK-SPO 100G-1	BK-SPO 100G-1	LK-SPO 100G-1-FI	100	37	350	Plain bore	130	100 x 85	80 x 60	9	45
LK-SPO 100K-1	BK-SPO 100K-1	LK-SPO 100K-1-FI	100	37	350	Ball bearing	130	100 x 85	80 x 60	9	45
LK-SPO 100G-3	BK-SPO 100G-3	LK-SPO 100G-3-FI	100	37	350	Plain bore	130	140 x 110	105 x 75-80	11	45
LK-SPO 100K-3	BK-SPO 100K-3	LK-SPO 100K-3-FI	100	37	350	Ball bearing	130	140 x 110	105 x 75-80	11	45
LK-SPO 125G-1	BK-SPO 125G-1	LK-SPO 125G-1-FI	125	40	350	Plain bore	155	100 x 85	80 x 60	9	48
LK-SPO 125K-1	BK-SPO 125K-1	LK-SPO 125K-1-FI	125	40	350	Ball bearing	155	100 x 85	80 x 60	9	48
LK-SPO 125G-3	BK-SPO 125G-3	LK-SPO 125G-3-FI	125	40	350	Plain bore	155	140 x 110	105 x 75-80	11	48
LK-SPO 125K-3	BK-SPO 125K-3	LK-SPO 125K-3-FI	125	40	350	Ball bearing	155	140 x 110	105 x 75-80	11	48

For further wheel Ø refer to the next page  
For stainless steel versions refer to page 375

**Options**



	With pressed steel thread guard, zinc-plated	With 'stop-top' brake	With central braking system 'central-stop'	With 'ideal-stop' brake ttl. height +17mm *	Directional lock (retro-fit) 1 x 360°	With stainless steel axle tube in the wheel hub	With stainless steel ball bearing in the wheel hub
Technical description page	84	80	81	80	83	85	61
Product code suffix	-FA	-ST	-CS11	-IS	refer to **	-XA	-XK
Available for	all sizes	all sizes	wheel Ø 100-125 mm	Ø 100-125 mm with plate 140x110	for wheel Ø and plate dimensions refer to **	plain bore versions upon request	upon request

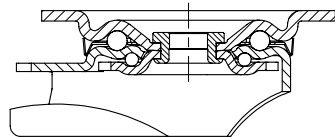
\* Matching synthetic adapter plate for total height compensation for swivel and fixed castors without 'ideal-stop' brake: **Product code AP3**  
\*\* **RI-05.01** available for wheel-Ø 75 - 125 mm with plate 100x85 mm, **RI-03.03** available for wheel Ø 100 - 125 mm with plate 140x110 mm (only for swivel castors without brake)

Series: LK-SPO, BH-SPO, wheel Ø 125x50 - 200 mm

**Pressed steel castors, medium heavy duty brackets, with top plate fitting, with heavy duty nylon wheel**

600 kg

RoHS



**Brackets:** LK/BH series - Made of heavy pressed steel, swivel bracket with double ball bearing in the swivel head, strong central kingpin, swivel head seals. The special Blickle dynamic riveting process of the swivel head results in minimal swivel head play and smooth rolling characteristics with an increased service life achieved by the work hardening of the ball race grooves. Bolted wheel axle. Zinc-plated, blue-passivated, Cr6-free. Bracket overview: Page 66 Top plate drawings: Page 77 Wheel and swivel head 'stop-fix' brake: Page 80

**Wheels:** SPO series - Made of high-quality, impact-resistant nylon, very rugged, heavy wheel design, 70° shore D, natural white. Bearing types: Plain bore or two pressed-in ball bearings. Detailed description: Page 300, 301 and 49



Swivel castors	Fixed castors	Swivel castors with 'stop-fix' 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]	Offset swivel castor [mm]
LK-SPO 127G	BH-SPO 127G	LK-SPO 127G-FI	125	50	600	Plain bore	170	140 x 110	105 x 75-80	11	55
LK-SPO 127K	BH-SPO 127K	LK-SPO 127K-FI	125	50	600	Ball bearing	170	140 x 110	105 x 75-80	11	55
LK-SPO 150G	BH-SPO 150G	LK-SPO 150G-FI	150	50	600	Plain bore	197	140 x 110	105 x 75-80	11	63
LK-SPO 150K	BH-SPO 150K	LK-SPO 150K-FI	150	50	600	Ball bearing	197	140 x 110	105 x 75-80	11	63
LK-SPO 160G	BH-SPO 160G	LK-SPO 160G-FI	160	50	600	Plain bore	202	140 x 110	105 x 75-80	11	63
LK-SPO 160K	BH-SPO 160K	LK-SPO 160K-FI	160	50	600	Ball bearing	202	140 x 110	105 x 75-80	11	63
LK-SPO 175G	BH-SPO 175G	LK-SPO 175G-FI	175	50	600	Plain bore	220	140 x 110	105 x 75-80	11	65
LK-SPO 175K	BH-SPO 175K	LK-SPO 175K-FI	175	50	600	Ball bearing	220	140 x 110	105 x 75-80	11	65
LK-SPO 201G	BH-SPO 201G	LK-SPO 201G-FI	200	50	600	Plain bore	245	140 x 110	105 x 75-80	11	65
LK-SPO 201K	BH-SPO 201K	LK-SPO 201K-FI	200	50	600	Ball bearing	245	140 x 110	105 x 75-80	11	65
LK-SPO 200G *	BH-SPO 200G *	LK-SPO 200G-FI *	200	50	600	Plain bore	245	140 x 110	105 x 75-80	11	65
LK-SPO 200K *	BH-SPO 200K *	LK-SPO 200K-FI *	200	50	600	Ball bearing	245	140 x 110	105 x 75-80	11	65

\* Extra heavy wheel design

For stainless steel versions refer to page 375

14

**Options**



	With pressed steel thread guard, zinc-plated	With 'stop-top' brake	With 'ideal-stop' brake ttl. height +17mm **	Directional lock (retro fit) 1 x 360° ***	With steel foot guard	With stainless steel axle tube in the wheel hub	With stainless steel ball bearing in the wheel hub
Technical description page	84	80	80	83	84	85	61
Product code suffix	-FA	-ST	-IS	RI-05.03	-FS	-XA	-XK
Available for	all sizes	all sizes	wheel Ø 125, 160, 200 mm	all sizes	upon request	plain bore versions upon request	upon request

\*\* Matching synthetic adapter plate for total height compensation for swivel and fixed castors without 'ideal-stop' brake: **Product code AP3**

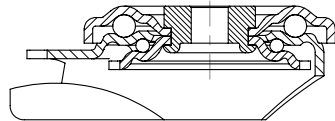
\*\*\* Only for swivel castors without brake

Series: LKR-SPO

**Pressed steel castors, medium heavy duty brackets, with bolt hole fitting, with heavy duty nylon wheel**

300 - 350 kg

RoHS



**Brackets:** LKR series - Made of heavy pressed steel, with double ball bearing in the swivel head, strong central kingpin, ball protection by the special top plate and ball disc design. The special Blickle dynamic riveting process of the swivel head results in minimal swivel head play and smooth rolling characteristics with an increased service life achieved by the work hardening of the ball race grooves. Bolted wheel axle.  
Zinc-plated, blue-passivated, Cr6-free.  
Bracket overview: Page 66  
Wheel and swivel head 'stop-fix' brake: Page 80

**Wheels:** SPO series - Made of high-quality, impact-resistant nylon, very rugged, heavy wheel design, 70° shore D, natural white.  
Bearing types: Plain bore or two pressed-in ball bearings.  
Detailed description: Page 300 and 49

Swivel castors	Swivel castors with 'stop-fix' brake	Wheel Ø [mm]	Wheel width [mm]	Load capacity [kg]	Bearing type	Total height [mm]	Plate Ø [mm]	Bolt hole Ø [mm]	Offset [mm]
LKR-SPO 75G	LKR-SPO 75G-FI	75	32	300	Plain bore	108	88	13	40
LKR-SPO 75K	LKR-SPO 75K-FI	75	32	300	Ball bearing	108	88	13	40
LKR-SPO 80G	LKR-SPO 80G-FI	80	37	350	Plain bore	110	88	13	40
LKR-SPO 80K	LKR-SPO 80K-FI	80	37	350	Ball bearing	110	88	13	40
LKR-SPO 100G	LKR-SPO 100G-FI	100	37	350	Plain bore	130	88	13	45
LKR-SPO 100K	LKR-SPO 100K-FI	100	37	350	Ball bearing	130	88	13	45
LKR-SPO 125G	LKR-SPO 125G-FI	125	40	350	Plain bore	155	88	13	48
LKR-SPO 125K	LKR-SPO 125K-FI	125	40	350	Ball bearing	155	88	13	48

14

**Options**



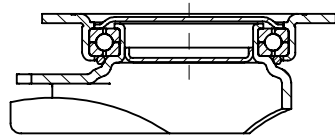
	With pressed steel thread guard, zinc-plated	With stainless steel axle tube in the wheel hub	With stainless steel ball bearing in the wheel hub
Technical description page	84	85	61
Product code suffix	-FA	-XA	-XK
Available for	all sizes	plain bore versions upon request	upon request

Series: LU-SPO, BH-SPO

**Pressed steel castors, closed medium heavy duty brackets, with top plate fitting, with heavy duty nylon wheel**

750 kg

RoHS



**Brackets:** LU/BH series - Made of heavy pressed steel, swivel bracket with four-point contact ball bearing in the swivel head for optimal absorption of vertical and horizontal forces, closed sealed swivel head. The use of hardened bearing seats in conjunction with the special Blickle dynamic riveting process provides increased protection against shocks and impact loads and results in smooth rolling characteristics, low abrasion and an increased service life. Bolted wheel axle.

Zinc-plated, blue-passivated, Cr6-free.

Bracket overview: Page 66

Top plate drawings: Page 77

Wheel and swivel head 'stop-fix' brake: Page 80

**Wheels:** SPO series - Made of high-quality, impact-resistant nylon, very rugged, heavy wheel design, 70° shore D, natural white.

Bearing types: Plain bore or two pressed-in ball bearings.

Detailed description: Page 300, 301 and 49



Swivel castors	Fixed castors	Swivel castors with 'stop-fix' 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]	Offset swivel castor [mm]
LU-SPO 127G	BH-SPO 127G	LU-SPO 127G-FI	125	50	750	Plain bore	170	140 x 110	105 x 75-80	11	55
LU-SPO 127K	BH-SPO 127K	LU-SPO 127K-FI	125	50	750	Ball bearing	170	140 x 110	105 x 75-80	11	55
LU-SPO 150G	BH-SPO 150G	LU-SPO 150G-FI	150	50	750	Plain bore	197	140 x 110	105 x 75-80	11	61
LU-SPO 150K	BH-SPO 150K	LU-SPO 150K-FI	150	50	750	Ball bearing	197	140 x 110	105 x 75-80	11	61
LU-SPO 160G	BH-SPO 160G	LU-SPO 160G-FI	160	50	750	Plain bore	202	140 x 110	105 x 75-80	11	61
LU-SPO 160K	BH-SPO 160K	LU-SPO 160K-FI	160	50	750	Ball bearing	202	140 x 110	105 x 75-80	11	61
LU-SPO 201G	BH-SPO 201G	LU-SPO 201G-FI	200	50	750	Plain bore	245	140 x 110	105 x 75-80	11	63
LU-SPO 201K	BH-SPO 201K	LU-SPO 201K-FI	200	50	750	Ball bearing	245	140 x 110	105 x 75-80	11	63
LU-SPO 200G *	BH-SPO 200G *	LU-SPO 200G-FI *	200	50	750	Plain bore	245	140 x 110	105 x 75-80	11	63
LU-SPO 200K *	BH-SPO 200K *	LU-SPO 200K-FI *	200	50	750	Ball bearing	245	140 x 110	105 x 75-80	11	63

\* Extra heavy wheel design

**Options**



	With pressed steel thread guard, zinc-plated	Directional lock (retro fit) 1 x 360° **	With steel foot guard	With stainless steel axle tube in the wheel hub	With stainless steel ball bearing in the wheel hub
Technical description page	84	83	84	85	61
Product code suffix	-FA	RI-05.03	-FS	-XA	-XK
Available for	all sizes	all sizes	upon request	plain bore versions upon request	upon request

\*\* Only for swivel castors without brake

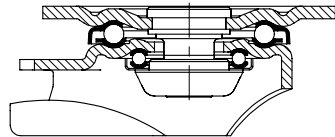


Series: LH-SPO, BH-SPO, wheel Ø 75 - 125 mm

**Pressed steel castors, heavy duty brackets, with top plate fitting, with heavy duty nylon wheel**

300 - 750 kg

RoHS



**Brackets:** LH/BH series - Made of heavy pressed steel, swivel bracket with heavy fork and top plate, very strong bolted and secured central kingpin, double ball bearing in the swivel head, additionally reinforced by the integration of **four specially shaped and hardened bearing seats** resulting in a very high resistance to shock and impact loads.  
 Bolted wheel axle.  
 Zinc-plated, blue-passivated, Cr6-free.  
 Bracket overview: Page 66  
 Top plate drawings: Page 77  
 Wheel and swivel head 'stop-fix' brake: Page 80

**Wheels:** SPO series - Made of high-quality, impact-resistant nylon, very rugged, heavy wheel design, 70° shore D, natural white.  
 Bearing types: Plain bore or two pressed-in ball bearings.  
 Detailed description: Page 300 and 49



Swivel castors	Fixed castors	Swivel castors with 'stop-fix' 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]	Offset swivel castor [mm]
LH-SPO 75G	BH-SPO 75G	LH-SPO 75G-FI	75	32	300	Plain bore	118	100 x 85	80 x 60	9	45
LH-SPO 75K	BH-SPO 75K	LH-SPO 75K-FI	75	32	300	Ball bearing	118	100 x 85	80 x 60	9	45
LH-SPO 80G	BH-SPO 80G	LH-SPO 80G-FI	80	37	350	Plain bore	120	100 x 85	80 x 60	9	45
LH-SPO 80K	BH-SPO 80K	LH-SPO 80K-FI	80	37	350	Ball bearing	120	100 x 85	80 x 60	9	45
LH-SPO 82K			80	70	650	Ball bearing	112	100 x 85	80 x 60	9	45
LH-SPO 100G-1	BH-SPO 100G-1	LH-SPO 100G-1-FI	100	37	500	Plain bore	140	100 x 85	80 x 60	9	45
LH-SPO 100K-1	BH-SPO 100K-1	LH-SPO 100K-1-FI	100	37	500	Ball bearing	140	100 x 85	80 x 60	9	45
LH-SPO 100G-3	BH-SPO 100G-3	LH-SPO 100G-3-FI	100	37	500	Plain bore	140	140 x 110	105 x 75-80	11	45
LH-SPO 100K-3	BH-SPO 100K-3	LH-SPO 100K-3-FI	100	37	500	Ball bearing	140	140 x 110	105 x 75-80	11	45
LH-SPO 125G-1	BH-SPO 125G-1	LH-SPO 125G-1-FI	125	40	700	Plain bore	165	100 x 85	80 x 60	9	45
LH-SPO 125K-1	BH-SPO 125K-1	LH-SPO 125K-1-FI	125	40	700	Ball bearing	165	100 x 85	80 x 60	9	45
LH-SPO 125G-3	BH-SPO 125G-3	LH-SPO 125G-3-FI	125	40	700	Plain bore	165	140 x 110	105 x 75-80	11	45
LH-SPO 125K-3	BH-SPO 125K-3	LH-SPO 125K-3-FI	125	40	700	Ball bearing	165	140 x 110	105 x 75-80	11	45
LH-SPO 127G	BH-SPO 127G	LH-SPO 127G-FI	125	50	750	Plain bore	170	140 x 110	105 x 75-80	11	55
LH-SPO 127K	BH-SPO 127K	LH-SPO 127K-FI	125	50	750	Ball bearing	170	140 x 110	105 x 75-80	11	55

For further wheel Ø refer to the next page

**Options**



	With pressed steel thread guard, zinc-plated	With 'stop-top' brake	With central braking system 'central-stop'	With 'ideal-stop' brake ttl. height +17mm *	Directional lock (retro-fit) 1 x 360°	With steel foot guard	With stainless steel axle tube (-XA) / ball bearing (-XK) ***
Technical description page	84	80	81	80	83	84	85 / 61
Product code suffix	-FA	-ST	-CS13	-IS	refer to **	-FS	-XA / -XK
Available for	all sizes except Ø 80x70 mm	all sizes except Ø 80x70 mm	wheel Ø 125x50 mm	wheel Ø 125x50 mm	for wheel Ø and plate dimensions refer to **	upon request	upon request

\* Matching synthetic adapter plate for total height compensation for swivel and fixed castors without 'ideal-stop' brake: **Product code AP3**

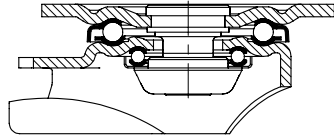
\*\* **RI-04.01** for Ø 75, 80x37, 100, 125 mm with plate 100x85 mm, **RI-04.03** for Ø 100, 125x40 mm with plate 140x110 mm, **RI-05.03** for Ø 125x50 mm (only for swivel castors without brake)

\*\*\* Some dimensions will result in a reduced load capacity (ask for details)

Series: LH-SPO, BH-SPO, wheel Ø 150 - 250 mm

**Pressed steel castors, heavy duty brackets, with top plate fitting, with heavy duty nylon wheel**

800 - 900 kg RoHS



**Brackets:** LH/BH series - Made of heavy pressed steel, swivel bracket with heavy fork and top plate, very strong bolted and secured central kingpin, double ball bearing in the swivel head, additionally reinforced by the integration of **four specially shaped and hardened bearing seats** resulting in a very high resistance to shock and impact loads.  
Bolted wheel axle.  
Zinc-plated, blue-passivated, Cr6-free.  
Bracket overview: Page 66  
Top plate drawings: Page 77  
Wheel and swivel head 'stop-fix' brake: Page 80

**Wheels:** SPO series - Made of high-quality, impact-resistant nylon, very rugged, heavy wheel design, 70° shore D, natural white.  
Bearing types: Plain bore or two pressed-in ball bearings.  
Detailed description: Page 300, 301 and 49



Swivel castors	Fixed castors	Swivel castors with 'stop-fix' 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]	Offset swivel castor [mm]
LH-SPO 150G	BH-SPO 150G	LH-SPO 150G-FI	150	50	800	Plain bore	197	140 x 110	105 x 75-80	11	65
LH-SPO 150K	BH-SPO 150K	LH-SPO 150K-FI	150	50	800	Ball bearing	197	140 x 110	105 x 75-80	11	65
LH-SPO 160G	BH-SPO 160G	LH-SPO 160G-FI	160	50	850	Plain bore	202	140 x 110	105 x 75-80	11	65
LH-SPO 160K	BH-SPO 160K	LH-SPO 160K-FI	160	50	850	Ball bearing	202	140 x 110	105 x 75-80	11	65
LH-SPO 175G	BH-SPO 175G	LH-SPO 175G-FI	175	50	900	Plain bore	220	140 x 110	105 x 75-80	11	67
LH-SPO 175K	BH-SPO 175K	LH-SPO 175K-FI	175	50	900	Ball bearing	220	140 x 110	105 x 75-80	11	67
LH-SPO 201G	BH-SPO 201G	LH-SPO 201G-FI	200	50	900	Plain bore	245	140 x 110	105 x 75-80	11	70
LH-SPO 201K	BH-SPO 201K	LH-SPO 201K-FI	200	50	900	Ball bearing	245	140 x 110	105 x 75-80	11	70
LH-SPO 200G *	BH-SPO 200G *	LH-SPO 200G-FI *	200	50	900	Plain bore	245	140 x 110	105 x 75-80	11	70
LH-SPO 200K *	BH-SPO 200K *	LH-SPO 200K-FI *	200	50	900	Ball bearing	245	140 x 110	105 x 75-80	11	70
LH-SPO 251G	BH-SPO 251G	**	250	50	900	Plain bore	295	140 x 110	105 x 75-80	11	82
LH-SPO 251K	BH-SPO 251K	**	250	50	900	Ball bearing	295	140 x 110	105 x 75-80	11	82
LH-SPO 250G *	BH-SPO 250G *	**	250	65	900	Plain bore	295	140 x 110	105 x 75-80	11	82
LH-SPO 250K *	BH-SPO 250K *	**	250	65	900	Ball bearing	295	140 x 110	105 x 75-80	11	82

\* Extra heavy wheel design  
\*\* For the 'stop-top' brake version refer to 'Options'

**Options**



	With pressed steel thread guard, zinc-plated	With 'stop-top' brake	With central braking system 'central-stop'	With 'ideal-stop' brake ttl. height +17mm ***	Directional lock (retro fit) 1 x 360° ****	With steel foot guard	With stainless steel axle tube (-XA) / ball bearing(-XK) *****
Technical description page	84	80	81	80	83	84	85 / 61
Product code suffix	-FA	-ST	-CS13	-IS	RI-05.03	-FS	-XA / -XK
Available for	wheel Ø 150-200 mm	all sizes	wheel Ø 160, 200, 250 mm	wheel Ø 160, 200, 250 mm	wheel Ø 150-200 mm	wheel Ø 150,160, 200 upon request	upon request

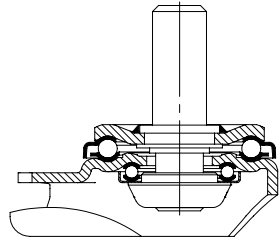
\*\*\* Matching synthetic adapter plate for total height compensation for swivel and fixed castors without 'ideal-stop' brake: **Product code AP3**  
\*\*\*\* Only for swivel castors without brake  
\*\*\*\*\* Some dimensions will result in a reduced load capacity (ask for details)

Series: LHZ-SPO

**Pressed steel castors, heavy duty brackets, with stem fitting, with heavy duty nylon wheel**

750 - 800 kg

RoHS



**Brackets:** LHZ series - Made of heavy pressed steel, with heavy fork and top plate, very strong bolted and secured welded steel plug-in stem, double ball bearing in the swivel head, additionally reinforced by the integration of **four specially shaped and hardened bearing seats** resulting in a very high resistance to shock and impact loads.  
 Bolted wheel axle.  
 Zinc-plated, blue-passivated, Cr6-free.  
 Bracket overview: Page 67  
 Wheel and swivel head 'stop-fix' brake: Page 80

**Wheels:** SPO series - Made of high-quality, impact-resistant nylon, very rugged, heavy wheel design, 70° shore D, natural white.  
 Bearing types: Plain bore or two pressed-in ball bearings.  
 Detailed description: Page 300, 301 and 49

Swivel castors	Swivel castors with 'stop-fix' brake	Wheel Ø [mm]	Wheel width [mm]	Load capacity [kg]	Bearing type	Total height [mm]	Stem Ø [mm]	Stem length [mm]	Offset [mm]
LHZ-SPO 127G	LHZ-SPO 127G-FI	125	50	750	Plain bore	170	27	60	55
LHZ-SPO 127K	LHZ-SPO 127K-FI	125	50	750	Ball bearing	170	27	60	55
LHZ-SPO 150G	LHZ-SPO 150G-FI	150	50	800	Plain bore	197	27	60	65
LHZ-SPO 150K	LHZ-SPO 150K-FI	150	50	800	Ball bearing	197	27	60	65
LHZ-SPO 160G	LHZ-SPO 160G-FI	160	50	800	Plain bore	202	27	60	65
LHZ-SPO 160K	LHZ-SPO 160K-FI	160	50	800	Ball bearing	202	27	60	65
LHZ-SPO 201G	LHZ-SPO 201G-FI	200	50	800	Plain bore	245	27	60	70
LHZ-SPO 201K	LHZ-SPO 201K-FI	200	50	800	Ball bearing	245	27	60	70
LHZ-SPO 200G *	LHZ-SPO 200G-FI *	200	50	800	Plain bore	245	27	60	70
LHZ-SPO 200K *	LHZ-SPO 200K-FI *	200	50	800	Ball bearing	245	27	60	70

\* Extra heavy wheel design

**Options**



	With pressed steel thread guard, zinc-plated	With 'stop-top' brake	With steel foot guard	With stainless steel axle tube in the wheel hub	With stainless steel ball bearing in the wheel hub **
Technical description page	84	80	84	85	61
Product code suffix	-FA	-ST	-FS	-XA	-XK
Available for	all sizes	all sizes	upon request	plain bore versions upon request	upon request

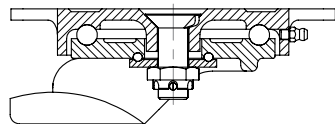
\*\* Some dimensions will result in a reduced load capacity (ask for details)

Series: LT-SPO, BT-SPO

**Malleable cast iron castors with top plate fitting, with heavy duty nylon wheel**

300 - 750 kg

RoHS



**Brackets:** LT/BT series - Made of high-quality, malleable cast iron, swivel bracket with double ball bearing in the swivel head (wheel Ø 75 mm: single ball bearing), ball protection by the special top plate and fork design, fitted grease nipple.  
Bolted wheel axle.  
Zinc-plated, blue-passivated, Cr6-free.  
Bracket overview: Page 67  
Top plate drawings: Page 79

**Wheels:** SPO series - Made of high-quality, impact-resistant nylon, very rugged, heavy wheel design, 70° shore D, natural white.  
Bearing type: Plain bore.  
Detailed description: Page 300 and 49

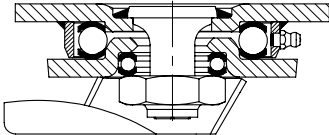
Swivel castors	Fixed castors	Wheel Ø [mm]	Wheel width [mm]	Load capacity [kg]	Bearing type	Total height [mm]	Plate size [mm]	Bolt hole spacing [mm]	Bolt hole Ø [mm]	Offset swivel castor [mm]
LT-SPO 75G	BT-SPO 75G	75	32	300	Plain bore	108	115 x 80	90 x 55	9	30
LT-SPO 100G	BT-SPO 100G	100	37	500	Plain bore	150	155 x 105	125 x 75	11	40
LT-SPO 125G	BT-SPO 125G	125	40	500	Plain bore	163	155 x 105	125 x 75	11	40
LT-SPO 150G	BT-SPO 150G	150	50	750	Plain bore	200	175 x 125	145 x 95	11	50

Series: LO-SPO, BO-SPO

## Welded steel heavy duty castors, with heavy duty nylon wheel

750 - 1250 kg

RoHS



**Brackets:** LO/BO series - Sturdy welded steel construction, swivel bracket with double ball bearing in the swivel head, additionally reinforced by the integration of **four specially shaped and hardened bearing seats**, swivel head seal with labyrinth design, fitted grease nipple, bolted and secured with a welded very strong central kingpin.  
 Bolted wheel axle.  
 Zinc-plated, blue-passivated, Cr6-free.  
 Bracket overview: Page 67  
 Top plate drawings: Page 77  
 Wheel and swivel head 'stop-top' brake: Page 80

**Wheels:** SPO series - Made of high-quality, impact-resistant nylon, very rugged, heavy wheel design, 70° shore D, natural white.  
 Bearing types: Plain bore or two pressed-in ball bearings.  
 Detailed description: Page 300, 301 and 49



Swivel castors	Fixed castors	Swivel castors with 'stop-top' 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]	Offset swivel castor [mm]
LO-SPO 127G	BO-SPO 127G	LO-SPO 127G-ST	125	50	750	Plain bore	170	140 x 110	105 x 75-80	11	50
LO-SPO 127K	BO-SPO 127K	LO-SPO 127K-ST	125	50	750	Ball bearing	170	140 x 110	105 x 75-80	11	50
LO-SPO 150G	BO-SPO 150G	LO-SPO 150G-ST	150	50	800	Plain bore	200	140 x 110	105 x 75-80	11	55
LO-SPO 150K	BO-SPO 150K	LO-SPO 150K-ST	150	50	800	Ball bearing	200	140 x 110	105 x 75-80	11	55
LO-SPO 160G	BO-SPO 160G	LO-SPO 160G-ST	160	50	850	Plain bore	205	140 x 110	105 x 75-80	11	55
LO-SPO 160K	BO-SPO 160K	LO-SPO 160K-ST	160	50	850	Ball bearing	205	140 x 110	105 x 75-80	11	55
LO-SPO 201G	BO-SPO 201G	LO-SPO 201G-ST	200	50	1000	Plain bore	245	140 x 110	105 x 75-80	11	60
LO-SPO 201K	BO-SPO 201K	LO-SPO 201K-ST	200	50	1000	Ball bearing	245	140 x 110	105 x 75-80	11	60
LO-SPO 200G *	BO-SPO 200G *	LO-SPO 200G-ST *	200	50	1250	Plain bore	245	140 x 110	105 x 75-80	11	60
LO-SPO 200K *	BO-SPO 200K *	LO-SPO 200K-ST *	200	50	1250	Ball bearing	245	140 x 110	105 x 75-80	11	60
LO-SPO 251G	BO-SPO 251G	LO-SPO 251G-ST	250	50	1200	Plain bore	295	140 x 110	105 x 75-80	11	70
LO-SPO 251K	BO-SPO 251K	LO-SPO 251K-ST	250	50	1200	Ball bearing	295	140 x 110	105 x 75-80	11	70
LO-SPO 250G *	BO-SPO 250G *	LO-SPO 250G-ST *	250	65	1200	Plain bore	295	140 x 110	105 x 75-80	11	70
LO-SPO 250K *	BO-SPO 250K *	LO-SPO 250K-ST *	250	65	1200	Ball bearing	295	140 x 110	105 x 75-80	11	70

\* Extra heavy wheel design

### Options



	With directional lock 2 x 180°	With directional lock 4 x 90°	With steel foot guard	With stainless steel axle tube in the wheel hub	With stainless steel ball bearing in the wheel hub **	Truck lock
Technical description page	83	83	84	85	61	82, 483
Product code suffix	-RI2	-RI4	-FS	-XA	-XK	FF 125/150/160/200
Available for	wheel Ø 125-200 mm	wheel Ø 125-200 mm	upon request	plain bore versions upon request	upon request	wheel Ø 125-200 mm

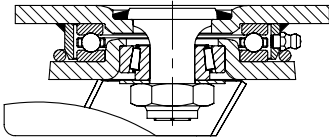
\*\* Some dimensions will result in a reduced load capacity (ask for details)

Series: LS-SPO, BS-SPO

**Welded steel heavy duty castors, strong swivel head design, with heavy duty nylon wheel**

750 - 2000 kg

RoHS



**Brackets:** LS/BS series - Particularly rugged welded steel construction, swivel bracket with axial grooved ball bearing DIN 711 and tapered roller bearing DIN 720 in the swivel head, dust and splash-proof, fitted grease nipple, bolted and secured with a welded very strong central kingpin. Bolted wheel axle.  
Zinc-plated, yellow-passivated, Cr6-free.  
Bracket overview: Page 68  
Top plate drawings: Page 77 and 78  
Wheel and swivel head 'stop-top' brake: Page 80

**Wheels:** SPO series - Made of high-quality, impact-resistant nylon, very rugged, heavy wheel design, 70° shore D, natural white.  
Bearing types: Plain bore or two pressed-in ball bearings.  
Detailed description: Page 300, 301 and 49



Swivel castors	Fixed castors	Swivel castors with 'stop-top' 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]	Offset swivel castor [mm]
LS-SPO 127G	BS-SPO 127G	LS-SPO 127G-ST	125	50	750	Plain bore	170	140 x 110	105 x 75-80	11	50
LS-SPO 127K	BS-SPO 127K	LS-SPO 127K-ST	125	50	750	Ball bearing	170	140 x 110	105 x 75-80	11	50
LS-SPO 150G	BS-SPO 150G	LS-SPO 150G-ST	150	50	800	Plain bore	200	140 x 110	105 x 75-80	11	55
LS-SPO 150K	BS-SPO 150K	LS-SPO 150K-ST	150	50	800	Ball bearing	200	140 x 110	105 x 75-80	11	55
LS-SPO 160G	BS-SPO 160G	LS-SPO 160G-ST	160	50	850	Plain bore	205	140 x 110	105 x 75-80	11	55
LS-SPO 160K	BS-SPO 160K	LS-SPO 160K-ST	160	50	850	Ball bearing	205	140 x 110	105 x 75-80	11	55
LS-SPO 200G	BS-SPO 200G	LS-SPO 200G-ST	200	50	1500	Plain bore	245	140 x 110	105 x 75-80	11	60
LS-SPO 200K	BS-SPO 200K	LS-SPO 200K-ST	200	50	1500	Ball bearing	245	140 x 110	105 x 75-80	11	60
LS-SPO 251G	BS-SPO 251G	LS-SPO 251G-ST	250	50	1500	Plain bore	305	175 x 140	140 x 105	14	75
LS-SPO 251K	BS-SPO 251K	LS-SPO 251K-ST	250	50	1500	Ball bearing	305	175 x 140	140 x 105	14	75
LS-SPO 250G *	BS-SPO 250G *	LS-SPO 250G-ST *	250	65	2000	Plain bore	305	175 x 140	140 x 105	14	75
LS-SPO 250K *	BS-SPO 250K *	LS-SPO 250K-ST *	250	65	2000	Ball bearing	305	175 x 140	140 x 105	14	75

\* Extra heavy wheel design

14

**Options**



	With pressed steel thread guard, zinc-plated	With directional lock 2 x 180°	With directional lock 4 x 90°	With steel foot guard	With sprung foot guard	With stainless steel axle tube (-XA) / ball bearing (-XK) **	Truck lock
Technical description page	84	83	83	84	84	85 / 61	82, 483
Product code suffix	-FA	-R12	-R14	-FS	-FG	-XA / -XK	FF 125/150/160/200
Available for	wheel Ø 125-200 mm	all sizes	all sizes	upon request	upon request	upon request	wheel Ø 125-200 mm

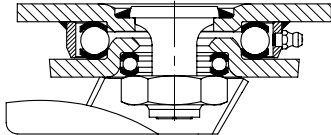
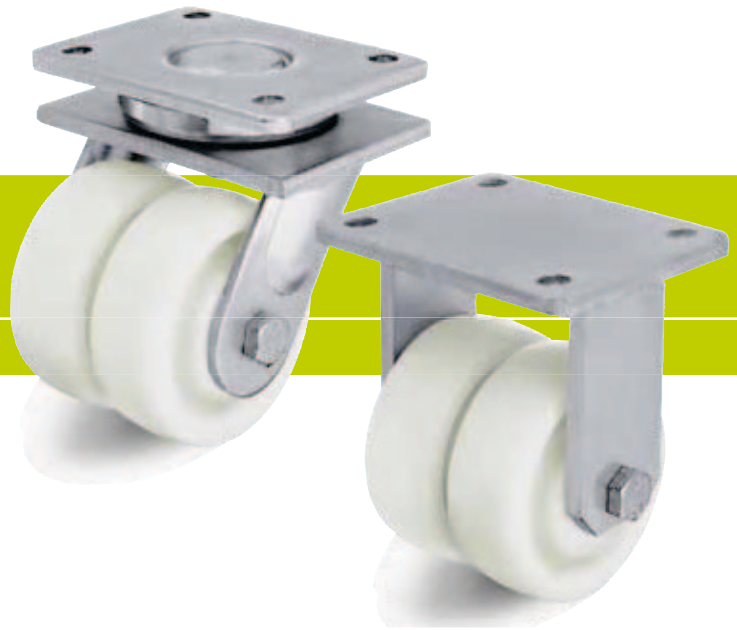
\*\* Some dimensions will result in a reduced load capacity (ask for details)

Series: LOD-SPO, BOD-SPO

## Welded steel heavy duty twin wheel castors, with heavy duty nylon wheels

600 - 1200 kg

RoHS



**Brackets:** LOD/BOD series - Sturdy welded steel construction, swivel bracket with double bearing in the swivel head, additionally reinforced by the integration of **four specially shaped and hardened bearing seats**, swivel head seal with labyrinth design, fitted grease nipple, bolted and secured with a welded very strong central kingpin.  
 Bolted wheel axle.  
 Zinc-plated, blue-passivated, Cr6-free.  
 Bracket overview: Page 68  
 Top plate drawings: Page 77

**Wheels:** SPO series - Made of high-quality, impact-resistant nylon, very rugged, heavy wheel design, 70° shore D, natural white.  
 Bearing type: Two pressed-in ball bearings.  
 Detailed description: Page 300 and 49



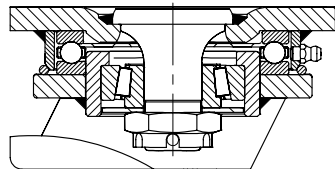
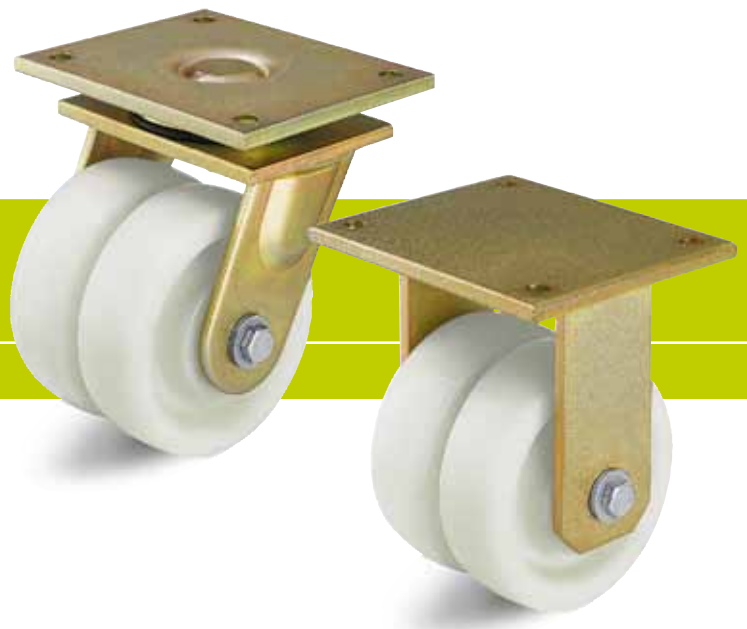
Swivel castors	Fixed castors	Wheel Ø [mm]	Wheel width [mm]	Load capacity [kg]	Bearing type	Total height [mm]	Plate size [mm]	Bolt hole spacing [mm]	Bolt hole Ø [mm]	Offset swivel castor [mm]
<b>LOD-SPO 80K</b>	<b>BOD-SPO 80K</b>	80	2 x 37	600	Ball bearing	125	110 x 140 *	75-80 x 105	11	40
<b>LOD-SPO 100K</b>	<b>BOD-SPO 100K</b>	100	2 x 37	800	Ball bearing	145	110 x 140 *	75-80 x 105	11	45
<b>LOD-SPO 125K</b>	<b>BOD-SPO 125K</b>	125	2 x 40	1200	Ball bearing	170	110 x 140 *	75-80 x 105	11	50

\* Fixed castors: Long plate side is parallel to the axle

Series: LSD-SPO, BSD-SPO

**Welded steel heavy duty twin wheel castors, strong swivel head design, with heavy duty nylon wheels**

1350 - 3600 kg RoHS



**Brackets:** LSD/BSL series - Particularly rugged welded steel construction, swivel bracket with axial grooved ball bearing DIN 711 and tapered roller bearing DIN 720 in the swivel head, dust and splash-proof, fitted grease nipple, bolted and secured with a welded very strong central kingpin.  
 Bolted wheel axle.  
 Zinc-plated, yellow-passivated, Cr6-free.  
 Bracket overview: Page 68  
 Top plate drawings: Page 78

**Wheels:** SPO series - Made of high-quality, impact-resistant nylon, very rugged, heavy wheel design, 70° shore D, natural white.  
 Bearing type: Two pressed-in ball bearings.  
 Detailed description: Page 300, 301 and 49



Swivel castors	Fixed castors	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]	Offset swivel castor [mm]
LSD-SPO 127K	BSD-SPO 127K	125	2 x 50	1350	Ball bearing	185	140 x 175 *	105 x 140	14	50
LSD-SPO 150K-35	BSD-SPO 150K-35	150	2 x 50	1450	Ball bearing	215	140 x 175 *	105 x 140	14	55
LSD-SPO 160K-35	BSD-SPO 160K-35	160	2 x 50	1550	Ball bearing	220	140 x 175 *	105 x 140	14	55
LSD-SPO 200K-35	BSD-SPO 200K-35	200	2 x 50	2700	Ball bearing	260	140 x 175 *	105 x 140	14	60
LSD-SPO 250K	BSD-SPO 250K	250	2 x 65	3600	Ball bearing	330	200 x 255 *	160 x 210	18	70

\* Fixed castors: Long plate side is parallel to the axle

**Options**



	With 'Radstop' wheel brake up to wheel Ø 200 mm	With 'Radstop' wheel brake, wheel Ø 250 mm	With directional lock 2 x 180°	With directional lock 4 x 90°	With directional lock 4 x 90° (hand-operated)	With steel foot guard
Technical description page	81	81	83	83	83	84
Product code suffix	-RA	-RAH	-RI2	-RI4	-RI4H	-FS
Available for	upon request	upon request	wheel Ø 125-200x50 upon request	wheel Ø 125-200x50 upon request	wheel Ø 250 mm upon request	upon request

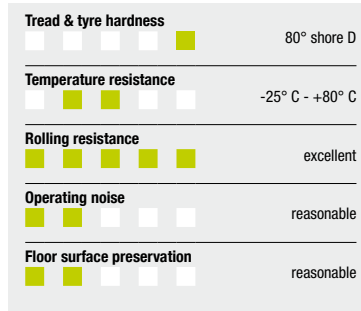


Series: GSPO

## Heavy duty wheels made of cast nylon

100 - 50000 kg

RoHS



### GSPO-wheel series:

Made of high-quality, impact-resistant, hard and tough, highly compressed cast nylon with extremely high load capacity, 80° shore D hardness, very low rolling and swivel resistance, smooth running performance on even floors, high abrasion resistance, colour natural beige. (Material description page 40)

### Bearing types:

- Ball bearing: Two pressed-in ball bearings, lubricated with long-life grease.
- Spherical roller bearing: Two pressed-in spherical roller bearings, sealed, extremely rugged, very durable, lubricated with long-life grease.

### Other features:

High chemical resistance to many aggressive substances (table page 36-37).  
 Operating temperature: -25° C to +80° C.  
 At ambient temperatures above +35° C the load capacity is reduced.  
 The relatively high floor pressure should be considered for pressure-sensitive floors.  
 Maintenance-free under standard conditions.

### Wheel series overview page 50

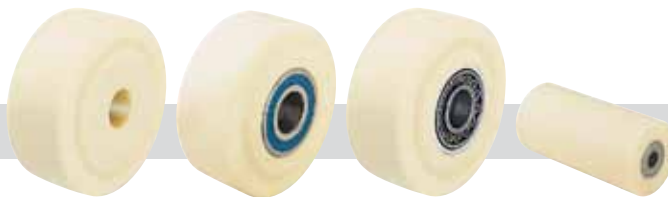
Wheels	Wheel Ø (D) [mm]	Wheel width (T2) [mm]	Load capacity [kg]	Bearing type	Axle bore Ø (d) [mm]	Hub length (T1) [mm]
GSPO 35/8K	35	28	100 *	Ball bearing	8	28
GSPO 50/15K	50	32	250 *	Ball bearing	15	35
GSPO 60/15K	60	32	350 *	Ball bearing	15	35
GSPO 65/15K	65	40	650 *	Ball bearing	15	45
GSPO 80/20K	80	40	1000 *	Ball bearing	20	45
GSPO 100/20K	100	40	1250 *	Ball bearing	20	45
GSPO 101/25K	100	55	1500 *	Ball bearing	25	60
GSPO 125/25K	125	55	2000 *	Ball bearing	25	60
GSPO 150/30K	150	55	2500	Ball bearing	30	60
GSPO 152/35K	150	80	3000	Ball bearing	35	90
GSPO 200/35K	200	55	3000	Ball bearing	35	60
GSPO 202/45K	200	80	4500	Ball bearing	45	90
GSPO 250/45K	250	65	5000	Ball bearing	45	70
GSPO 252/50K	250	80	6000	Ball bearing	50	90
GSPO 300/55K	300	80	7000	Ball bearing	55	90
GSPO 302/70K	300	110	10000	Ball bearing	70	120
GSPO 400/80K	400	110	12000	Ball bearing	80	120
GSPO 500/100K	500	130	15000	Ball bearing	100	130
GSPO 600/100PR	600	150	21000	Spherical rol. brg.	100	170
GSPO 700/130PR	700	200	30000	Spherical rol. brg.	130	220
GSPO 1000/160PR	1000	250	50000	Spherical rol. brg.	160	280

\* Test in accordance to DIN 12532 with extended resting periods in order to avoid thermal overstressing

Further dimensions upon request

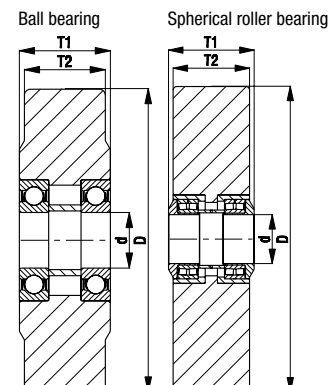
14

### Options



	Plain bore version	With stainless steel ball bearing **	With spherical roller bearing	Further versions
Technical description page	60	61	61	
<b>Product code suffix</b>		<b>-XK</b>	<b>-PR</b>	
Available for	upon request	upon request	upon request	upon request

\*\* Some dimensions will result in a reduced load capacity (ask for details)

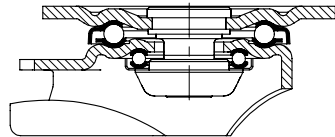


Series: LH-GSP0, BH-GSP0

**Pressed steel castors, heavy duty brackets, with top plate fitting, with heavy duty cast nylon wheel**

650 - 900 kg

RoHS



**Brackets:** LH/BH series - Made of heavy pressed steel, swivel bracket with heavy fork and top plate, very strong bolted and secured central kingpin, double ball bearing in the swivel head, additionally reinforced by the integration of **four specially shaped and hardened bearing seats** resulting in a very high resistance to shock and impact loads.

Bolted wheel axle.

Zinc-plated, blue-passivated, Cr6-free.

Bracket overview: Page 66

Top plate drawings: Page 77

Wheel and swivel head 'stop-fix' brake: Page 80

**Wheels:** GSP0 series - Made of high-quality, impact-resistant, hard and tough, highly compressed cast nylon, 80° shore D, natural beige.

Bearing type: Two pressed-in ball bearings.

Detailed description: Page 314 and 50



Swivel castors	Fixed castors	Swivel castors with 'stop-fix' 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]	Offset swivel castor [mm]
LH-GSP0 65K	BH-GSP0 65K		65	40	650	Ball bearing	97	100 x 85	80 x 60	9	45
LH-GSP0 80K	BH-GSP0 80K	LH-GSP0 80K-FI	80	40	700	Ball bearing	120	100 x 85	80 x 60	9	45
LH-GSP0 100K-1	BH-GSP0 100K-1	LH-GSP0 100K-1-FI	100	40	700	Ball bearing	140	100 x 85	80 x 60	9	45
LH-GSP0 100K-3	BH-GSP0 100K-3	LH-GSP0 100K-3-FI	100	40	700	Ball bearing	140	140 x 110	105 x 75-80	11	45
LH-GSP0 125K	BH-GSP0 125K	LH-GSP0 125K-FI	125	55	900	Ball bearing	170	140 x 110	105 x 75-80	11	55

\* Test in accordance to DIN 12532 with extended resting periods in order to avoid thermal overstressing

**Options**



	With 'stop-top' brake	Directional lock (retro-fit) 1 x 360° **	Directional lock (retro-fit) 1 x 360° **	Directional lock (retro fit) 1 x 360° **	With steel foot guard	With stainless steel ball bearing ***
Technical description page	80	83	83	83	84	61
Product code suffix	-ST	RI-04.01	RI-04.03	RI-05.03	-FS	-XK
Available for	wheel Ø 80-125 mm	wheel Ø 80-100 mm with plate 100x85	wheel Ø 100 mm with plate 140x110	wheel Ø 125 mm	wheel Ø 125 mm upon request	upon request

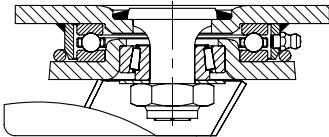
\*\* Only for swivel castors without brake

\*\*\* Some dimensions will result in a reduced load capacity (ask for details)

Series: LS-GSP0, BS-GSP0

## Welded steel extra heavy duty castors, extra strong swivel head design, with heavy duty cast nylon wheel

1500 - 12000 kg ✓RoHS



**Brackets:** LS/BS series - Particularly rugged welded steel construction, swivel bracket with axial grooved ball bearing DIN 711 and tapered roller bearing DIN 720 in the swivel head, dust and splash-proof, fitted grease nipple, bolted and secured with a welded very strong central kingpin. Bolted wheel axle.  
 Wheel Ø 100 - 300x80 mm: Zinc-plated, yellow-passivated, Cr6-free.  
 Wheel Ø 300x110 - 400 mm: Lacquered, red.  
 Bracket overview: Page 68  
 Top plate drawings: Page 77 and 78  
 Wheel and swivel head 'stop-top' brake: Page 80

**Wheels:** GSP0 series - Made of high-quality, impact-resistant, hard and tough, highly compressed cast nylon, 80° shore D, natural beige.  
 Bearing type: Two pressed-in ball bearings.  
 Detailed description: Page 314 and 50



Swivel castors	Fixed castors	Swivel castors with 'stop-top' 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]	Offset swivel castor [mm]
LS-GSP0 101K	BS-GSP0 101K	LS-GSP0 101K-ST	100	55	1500 *	Ball bearing	145	140 x 110	105 x 75-80	11	50
LS-GSP0 125K	BS-GSP0 125K	LS-GSP0 125K-ST	125	55	1750 *	Ball bearing	170	140 x 110	105 x 75-80	11	50
LS-GSP0 150K-35	BS-GSP0 150K-35	LS-GSP0 150K-35-ST	150	55	2500	Ball bearing	205	175 x 140	140 x 105	14	65
LS-GSP0 152K-35	BS-GSP0 152K-35	LS-GSP0 152K-35-ST	150	80	3000	Ball bearing	205	175 x 140	140 x 105	14	65
LS-GSP0 200K-35	BS-GSP0 200K-35	LS-GSP0 200K-35-ST	200	55	3000	Ball bearing	255	175 x 140	140 x 105	14	65
LS-GSP0 202K	BS-GSP0 202K	**	200	80	4500	Ball bearing	280	255 x 200	210 x 160	18	75
LS-GSP0 250K	BS-GSP0 250K	**	250	65	5000	Ball bearing	330	255 x 200	210 x 160	18	80
LS-GSP0 252K	BS-GSP0 252K	**	250	80	6000	Ball bearing	330	255 x 200	210 x 160	18	80
LS-GSP0 300K	BS-GSP0 300K	**	300	80	6000	Ball bearing	380	255 x 200	210 x 160	18	90
LS-GSP0 302K	BS-GSP0 302K	**	300	110	10000	Ball bearing	430	400 x 300	340 x 240	26	110
LS-GSP0 400K	BS-GSP0 400K	**	400	110	12000	Ball bearing	530	400 x 300	340 x 240	26	125

\* Test in accordance to DIN 12532 with extended resting periods in order to avoid thermal overstressing  
 \*\* For the 'Radstop' brake version refer to 'Options'

### Options



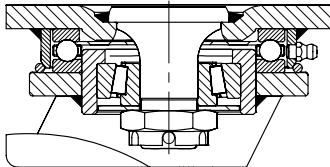
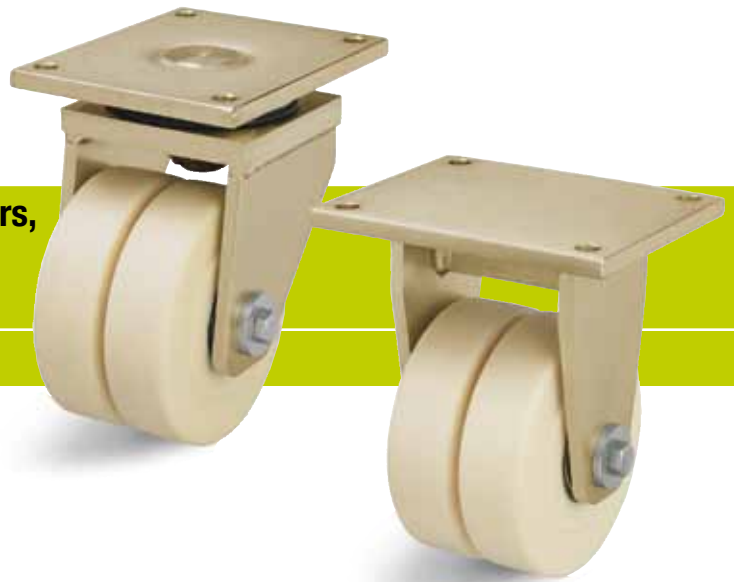
	Image with red lacquered bracket Ø 300x110 - 400 mm	With 'Radstop' wheel brake	With directional lock 2 x 180°	With directional lock 4 x 90°	With directional lock 4 x 90° (hand-operated)	With steel foot guard	With stainless steel ball bearing ***
Technical description page		81	83	83	83	84	61
Product code suffix		-RAH	-RI2	-RI4	-RI4H	-FS	-XK
Available for		upon request	wheel Ø 100 - 200x55 mm	wheel Ø 100 - 200x55 mm	Ø 200x80 - 400 mm upon request	upon request	upon request

\*\*\* Some dimensions will result in a reduced load capacity (ask for details)

Series: LSD-GSP0, BSD-GSP0

**Welded steel extra heavy duty twin wheel castors, extra strong swivel head design, with heavy duty cast nylon wheels**

1750 - 20000 kg RoHS



**Brackets:** LSD/BSL series - Particularly rugged welded steel construction, swivel bracket with axial grooved ball bearing DIN 711 and tapered roller bearing DIN 720 in the swivel head, dust and splash-proof, fitted grease nipple, bolted and secured with a welded very strong central kingpin.  
 Bolted wheel axle.  
 Wheel Ø 80-200 mm: Zinc-plated, yellow-passivated, Cr6-free.  
 Wheel Ø 250-400 mm: Lacquered, red.  
 Bracket overview: Page 68  
 Top plate drawings: Page 77 and 78

**Wheels:** GSP0 series - Made of high-quality, impact-resistant, hard and tough, highly compressed cast nylon, 80° shore D, natural beige.  
 Bearing type: Two pressed-in ball bearings.  
 Detailed description: Page 314 and 50



Swivel castors	Fixed castors	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]	Offset swivel castor [mm]
LSD-GSP0 80K	BSD-GSP0 80K	80	2 x 40	1750 *	Ball bearing	125	110 x 140 **	75-80 x 105	11	40
LSD-GSP0 100K	BSD-GSP0 100K	100	2 x 40	2200 *	Ball bearing	160	140 x 175 **	105 x 140	14	45
LSD-GSP0 125K	BSD-GSP0 125K	125	2 x 55	3600 *	Ball bearing	205	200 x 255 **	160 x 210	18	50
LSD-GSP0 150K	BSD-GSP0 150K	150	2 x 55	4500	Ball bearing	230	200 x 255 **	160 x 210	18	55
LSD-GSP0 200K	BSD-GSP0 200K	200	2 x 55	5400	Ball bearing	290	200 x 255 **	160 x 210	18	60
LSD-GSP0 250K	BSD-GSP0 250K	250	2 x 65	9000	Ball bearing	380	300 x 400 **	240 x 340	26	110
LSD-GSP0 302K	BSD-GSP0 302K	300	2 x 110	17000	Ball bearing	500	400 x 500 **	300 x 400	32	110
LSD-GSP0 400K	BSD-GSP0 400K	400	2 x 110	20000	Ball bearing	600	400 x 500 **	300 x 400	32	125

\* Test in accordance to DIN 12532 with extended resting periods in order to avoid thermal overstressing  
 \*\* Fixed castors: Long plate side is parallel to the axle

**Options**



	Image with red lacquered bracket Ø 250-400 mm	With 'Radstop' wheel brake	With directional lock 2 x 180°	With directional lock 4 x 90°	With directional lock 4 x 90° (hand-operated)	With steel foot guard
Technical description page		81	83	83	83	84
Product code suffix		-RAH	-RI2	-RI4	-RI4H	-FS
Available for		upon request	wheel Ø 80-100 mm upon request	wheel Ø 80-100 mm upon request	wheel Ø 125-400 mm upon request	upon request