

Series: POHI

## Heat-resistant, thermoplastic Blickle TempLine® Performance wheels

180 - 600 kg

-25° C - +250° C

✓RoHS



Tread & tyre hardness	85° shore D
Temperature resistance	-25° C - +250° C
Rolling resistance	excellent
Operating noise	reasonable
Floor surface preservation	reasonable

 **TempLine® Performance**

### POHI-wheel series:

Made of high-quality, impact-resistant and highly heat-resistant nylon, 85° shore D hardness, very low rolling and swivel resistance, smooth running performance on even floors, high abrasion resistance, colour grey, **suitable for autoclaves** (plain bore and option with stainless steel ball bearing and heat-resistant grease 'HXK'). (Material description page 40)

### Bearing types:

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

### Other features:

High chemical resistance to many aggressive substances (table page 36-37).

### Operating temperature: -25° C to +250° C.

Furnace temperatures above +300° C can be tolerated temporarily, but the temperature at the wheel must not exceed +250° C.

### Wheel series overview page 52

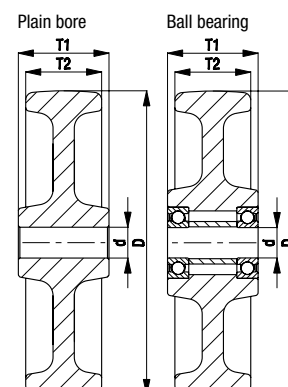
Wheels	Wheel Ø (D) [mm]	Wheel width (T2) [mm]	Load cap. up to +70° C [kg]	Load cap. at +170° C [kg]	Load cap. at +250° C [kg]	Bearing type	Axle bore Ø (d) [mm]	Hub length (T1) [mm]
POHI 81/12G	80	32	180	140	100	Plain bore	12	35
POHI 100/12-35G	100	30	200	160	120	Plain bore	12	35
POHI 100/12-45G	100	30	200	160	120	Plain bore	12	45
POHI 102/12G	100	38	250	200	150	Plain bore	12	45
POHI 102/15G	100	38	250	200	150	Plain bore	15	45
POHI 102/15HK	100	38	250	200	150	Ball bearing	15	40
POHI 125/12G	125	40	300	240	180	Plain bore	12	45
POHI 125/15G	125	40	300	240	180	Plain bore	15	45
POHI 125/15HK	125	40	350	280	210	Ball bearing	15	40
POHI 150/20G	150	50	500	400	300	Plain bore	20	60
POHI 150/20HK	150	50	500	400	300	Ball bearing	20	50
POHI 200/20G	200	50	600	480	360	Plain bore	20	60
POHI 200/20HK	200	50	600	480	360	Ball bearing	20	50

### Options



	Natural colour, temperature range -30° C to +170° C *	Teflon-coated stainless steel axle tube Ø 12/8x37 mm	Teflon-coated stainless steel axle tube Ø 12/8x47 mm	With stainless steel ball bearing and heat-resistant grease
Technical description page	40	85	85	61
Product code / - Suffix	POH series	XAT 12x37	XAT 12x47	-HXK
Available for	upon request	POHI 81/12G POHI 100/12-35G	POHI 100/12-45G POHI 102+125/12G	upon request

\* Operating temperature temporarily up to +220° C



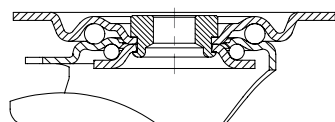
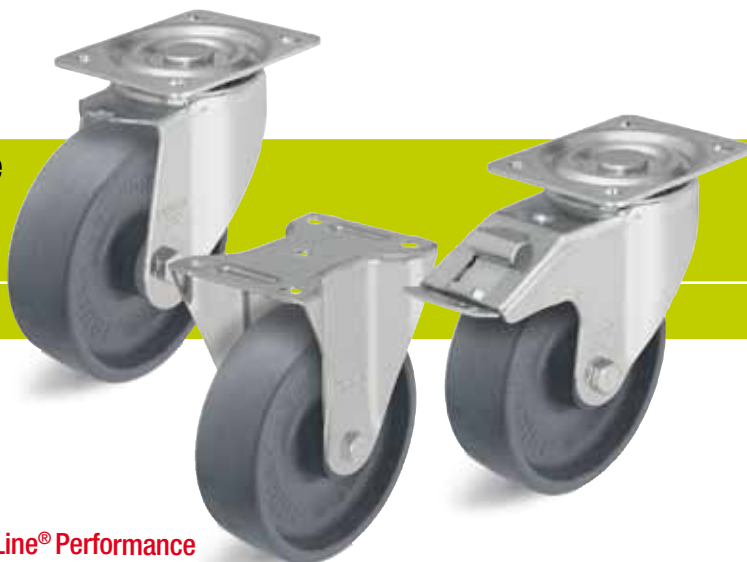
Series: LI-POHI, B-POHI, LIK-POHI, BK-POHI

## Heat-resistant pressed steel castors, top plate fitting, with heat-resistant, thermoplastic Blickle TempLine® Performance wheel

150 - 350 kg

-25° C - +250° C

✓RoHS



 Blickle  
TempLine® Performance

**Brackets:** LI/B, LIK/BK series - Made of pressed steel, swivel bracket with double ball bearing in the swivel head, strong central kingpin, ball protection by the special top plate design (LIK series without central kingpin, with heat-resistant swivel head seals). The special Blickle dynamic riveting process of the swivel head results in smooth rolling characteristics, increased service life and the swivel head play is set specifically for high temperature applications, with special heat-resistant grease.

Bolted wheel axle.

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

Bracket overview: Page 71 and 72

Top plate drawings: Page 77

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

**Wheels:** POHI series - Made of high-quality, impact-resistant, highly heat-resistant nylon, 85° shore D, grey. Bearing types: Plain bore or two pressed-in ball bearings lubricated with special heat-resistant grease. Detailed description: Page 389 and 52

**Operating temperature:** -25° C to +250° C.



Swivel castors	Fixed castors	Swivel castors with 'stop-fix' brake	Wheel Ø [mm]	Wheel width [mm]	Load cap. up to +70° C * [kg]	Bearing type	Total height [mm]	Plate size [mm]	Bolt hole spacing [mm]	Bolt hole Ø [mm]	Offset swivel castor [mm]
LI-POHI 81G	B-POHI 81G	LI-POHI 81G-FI	80	32	150	Plain bore	102	100 x 85	80 x 60	9	38
LI-POHI 100G	B-POHI 100G	LI-POHI 100G-FI	100	30	150	Plain bore	125	100 x 85	80 x 60	9	36
LIK-POHI 102G-1	BK-POHI 102G-1	LIK-POHI 102G-1-FI	100	38	250	Plain bore	130	100 x 85	80 x 60	9	45
LIK-POHI 102HK-1	BK-POHI 102HK-1	LIK-POHI 102HK-1-FI	100	38	250	Ball bearing	130	100 x 85	80 x 60	9	45
LI-POHI 125G	B-POHI 125G	LI-POHI 125G-FI	125	40	150	Plain bore	150	100 x 85	80 x 60	9	40
LIK-POHI 125G-1	BK-POHI 125G-1	LIK-POHI 125G-1-FI	125	40	300	Plain bore	155	100 x 85	80 x 60	9	48
LIK-POHI 125HK-1	BK-POHI 125HK-1	LIK-POHI 125HK-1-FI	125	40	300	Ball bearing	155	100 x 85	80 x 60	9	48
LI-POHI 150G	B-POHI 150G	LI-POHI 150G-FI	150	50	350	Plain bore	190	140 x 110	105 x 75-80	11	60
LI-POHI 150HK	B-POHI 150HK	LI-POHI 150HK-FI	150	50	350	Ball bearing	190	140 x 110	105 x 75-80	11	60
LI-POHI 200G	B-POHI 200G	LI-POHI 200G-FI	200	50	350	Plain bore	235	140 x 110	105 x 75-80	11	65
LI-POHI 200HK	B-POHI 200HK	LI-POHI 200HK-FI	200	50	350	Ball bearing	235	140 x 110	105 x 75-80	11	65

\* At higher temperatures the load capacity may be reduced, refer to page 389

### Options



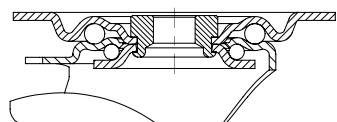
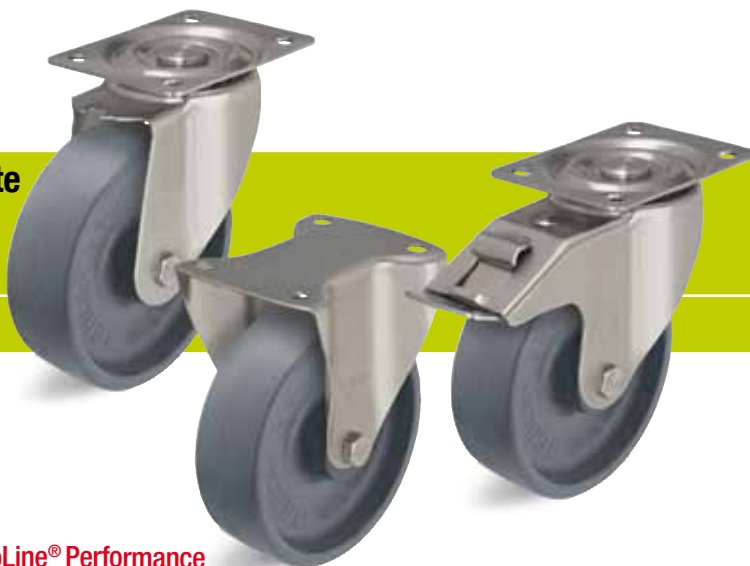
	Natural colour, temperature range -30° C to +170° C **	With teflon-coated stainless steel axle tube
Technical description page	40	85
Product code suffix	POH series	-XAT
Available for	upon request	Ø 80-125 plain bore versions upon request

\*\* Operating temperature temporarily up to +220° C

Series: LIX-POHI, BX-POHI, LIKX-POHI, BKX-POHI

## Heat-resistant stainless steel castors, top plate fitting, with heat-resistant, thermoplastic Blickle TempLine® Performance wheel

150 - 350 kg  -25° C - +250° C 



 **Blickle**  
**TempLine® Performance**

**Brackets:** LIX/BX, LIKX/BKX series - Made of pressed high-quality, chromium-nickel stainless steel (Material No. 1.4301/AISI 304), swivel bracket with double ball bearing in the swivel head, strong central kingpin (LIX series). The special Blickle dynamic riveting process of the swivel head results in smooth rolling characteristics, increased service life and the swivel head play is set specifically for high temperature applications, with special heat-resistant grease. All parts are corrosion-resistant.  
Bolted wheel axle.  
Vibration-ground finished.  
Bracket overview: Page 72  
Top plate drawings: Page 77  
Wheel and swivel head 'stop-fix' brake: Page 80

**Wheels:** POHI series - Made of high-quality, impact-resistant, highly heat-resistant nylon, 85° shore D, grey. Bearing types: Plain bore or two pressed-in, stainless steel ball bearings lubricated with special heat-resistant grease. Detailed description: Page 389 and 52

**Operating temperature:** -25° C to +250° C.

**Suitable for autoclaves.**



Swivel castors	Fixed castors	Swivel castors with 'stop-fix' brake	Wheel Ø [mm]	Wheel width [mm]	Load cap. up to +70° C * [kg]	Bearing type	Total height [mm]	Plate size [mm]	Bolt hole spacing [mm]	Bolt hole Ø [mm]	Offset swivel castor [mm]
LIX-POHI 81G	BX-POHI 81G	LIX-POHI 81G-FI	80	32	150	Plain bore	102	100 x 85	80 x 60	9	38
LIX-POHI 100G	BX-POHI 100G	LIX-POHI 100G-FI	100	30	150	Plain bore	125	100 x 85	80 x 60	9	36
LIKX-POHI 102G-1	BKX-POHI 102G-1	LIKX-POHI 102G-1-FI	100	38	250	Plain bore	130	100 x 85	80 x 60	9	45
LIKX-POHI 102HXX-1	BKX-POHI 102HXX-1	LIKX-POHI 102HXX-1-FI	100	38	250	Ball bearing	130	100 x 85	80 x 60	9	45
LIX-POHI 125G	BX-POHI 125G	LIX-POHI 125G-FI	125	40	150	Plain bore	150	100 x 85	80 x 60	9	40
LIKX-POHI 125G-1	BKX-POHI 125G-1	LIKX-POHI 125G-1-FI	125	40	300	Plain bore	155	100 x 85	80 x 60	9	48
LIKX-POHI 125HXX-1	BKX-POHI 125HXX-1	LIKX-POHI 125HXX-1-FI	125	40	300	Ball bearing	155	100 x 85	80 x 60	9	48
LIX-POHI 150G	BX-POHI 150G	LIX-POHI 150G-FI	150	50	350	Plain bore	190	140 x 110	105 x 75-80	11	60
LIX-POHI 150HXX	BX-POHI 150HXX	LIX-POHI 150HXX-FI	150	50	350	Ball bearing	190	140 x 110	105 x 75-80	11	60
LIX-POHI 200G	BX-POHI 200G	LIX-POHI 200G-FI	200	50	350	Plain bore	235	140 x 110	105 x 75-80	11	65
LIX-POHI 200HXX	BX-POHI 200HXX	LIX-POHI 200HXX-FI	200	50	350	Ball bearing	235	140 x 110	105 x 75-80	11	65

\* At higher temperatures the load capacity may be reduced, refer to page 389

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### Options



	Natural colour, temperature range -30° C to +170° C **	Swivel head without grease, very smooth running performance	With teflon-coated stainless steel axle tube
Technical description page	40		85
Product code suffix	POH series	-OF	-XAT
Available for	upon request	LIX series wheel Ø 100 mm	Ø 80-125 plain bore versions upon request




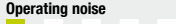

\*\* Operating temperature temporarily up to +220° C

Series: G

## Cast iron wheels

 250 - 1400 kg  -100° C - +600° C  RoHS



<b>Tread &amp; tyre hardness</b>	 180 - 220 HB
<b>Temperature resistance</b>	 -100° C - +600° C
<b>Rolling resistance</b>	 excellent
<b>Operating noise</b>	 sufficient
<b>Floor surface preservation</b>	 sufficient

### G-wheel series:

Made of rugged grey cast iron, machined tread and tread edges, with grease nipple, exceptionally low rolling and swivel resistance, outstanding wear resistance, lacquered, colour silver. (Material description page 40)

### Bearing types:

- Plain bore
- Ball bearing: Two pressed-in, special heat-resistant ball bearings (oven bearings).

### Other features:

For chemical resistance refer to material description page 40.

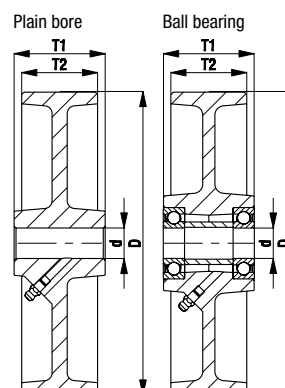
### Operating temperature:

- Plain bore version: -100° C to +600° C
  - Ball bearing version: -30° C to +300° C
- For plain bore versions, a temperature specific grease must be regularly applied.

The relatively high floor pressure should be considered for pressure-sensitive floors.

Wheel series overview page 50

Wheels	Wheel Ø (D) [mm]	Wheel width (T2) [mm]	Load cap. up to +70° C [kg]	Load cap. at +300° C [kg]	Load cap. at +600° C [kg]	Bearing type	Axle bore Ø (d) [mm]	Hub length (T1) [mm]
G 80/12G	80	25	250	200	130	Plain bore	12	35
G 100/15G	100	35	400	320	220	Plain bore	15	45
G 100/15IK	100	35	400	320	-	Ball bearing	15	40
G 125/15G	125	35	450	360	250	Plain bore	15	45
G 125/15IK	125	35	450	360	-	Ball bearing	15	45
G 127/20G	125	50	750	600	430	Plain bore	20	60
G 127/20IK	125	50	750	370	-	Ball bearing	20	60
G 150/20G	150	50	900	720	520	Plain bore	20	60
G 150/20IK	150	50	900	450	-	Ball bearing	20	60
G 200/20G	200	50	1100	880	630	Plain bore	20	60
G 200/20IK	200	50	1000	500	-	Ball bearing	20	60
G 250/25G	250	60	1400	1100	800	Plain bore	25	65
G 250/25IK	250	60	1300	650	-	Ball bearing	25	70



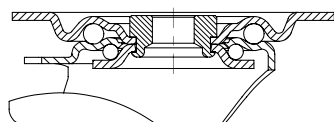
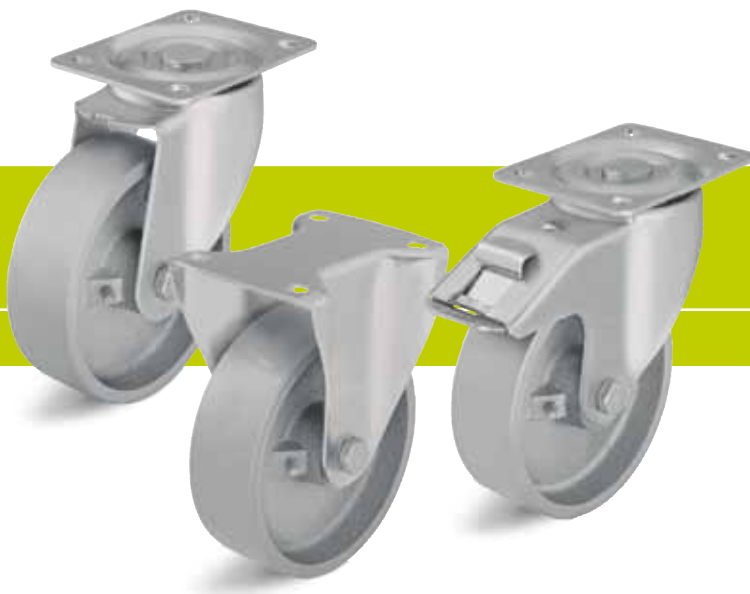
Series: LI-G, BI-G, LIK-G, BIK-G

## Heat-resistant pressed steel castors with top plate fitting, with cast iron wheel

150 - 350 kg

-30° C - +270° C

✓RoHS



**Brackets:** LI/BI, LIK/BIK series - Made of pressed steel, swivel bracket with double ball bearing in the swivel head, strong central kingpin, ball protection by the special top plate design (LIK series without central kingpin, with heat-resistant swivel head seals). The special Blickle dynamic riveting process of the swivel head results in smooth rolling characteristics, increased service life and the swivel head play is set specifically for high temperature applications, with special heat-resistant grease.

Bolted wheel axle.

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

Bracket overview: Page 71 and 72

Top plate drawings: Page 77

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

**Wheels:** G series - Made of grey cast iron, with grease nipple, lacquered, silver.

Bearing types: Plain bore or two pressed-in oven bearings ('IK').

Detailed description: Page 399 and 50

**Operating temperature:** -30° C to +270° C, temporarily up to +300° C.

For plain bore versions, a temperature specific grease must be regularly applied.

Swivel castors	Fixed castors	Swivel castors with 'stop-fix' brake	Wheel Ø [mm]	Wheel width [mm]	Load cap. up to +70° C * [kg]	Bearing type	Total height [mm]	Plate size [mm]	Bolt hole spacing [mm]	Bolt hole Ø [mm]	Offset swivel castor [mm]
LI-G 80G	BI-G 80G	LI-G 80G-FI	80	25	150	Plain bore	102	100 x 85	80 x 60	9	38
LI-G 100G	BI-G 100G	LI-G 100G-FI	100	35	150	Plain bore	125	100 x 85	80 x 60	9	36
LI-G 100IK	BI-G 100IK	LI-G 100IK-FI	100	35	150	Ball bearing	125	100 x 85	80 x 60	9	36
LIK-G 100G-1	BIK-G 100G-1	LIK-G 100G-1-FI	100	35	350	Plain bore	130	100 x 85	80 x 60	9	45
LIK-G 100IK-1	BIK-G 100IK-1	LIK-G 100IK-1-FI	100	35	350	Ball bearing	130	100 x 85	80 x 60	9	45
LI-G 125G	BI-G 125G	LI-G 125G-FI	125	35	150	Plain bore	150	100 x 85	80 x 60	9	40
LI-G 125IK	BI-G 125IK	LI-G 125IK-FI	125	35	150	Ball bearing	150	100 x 85	80 x 60	9	40
LIK-G 125G-1	BIK-G 125G-1	LIK-G 125G-1-FI	125	35	350	Plain bore	155	100 x 85	80 x 60	9	48
LIK-G 125IK-1	BIK-G 125IK-1	LIK-G 125IK-1-FI	125	35	350	Ball bearing	155	100 x 85	80 x 60	9	48
LI-G 150G	BI-G 150G	LI-G 150G-FI	150	50	350	Plain bore	190	140 x 110	105 x 75-80	11	60
LI-G 150IK	BI-G 150IK	LI-G 150IK-FI	150	50	350	Ball bearing	190	140 x 110	105 x 75-80	11	60
LI-G 200G	BI-G 200G	LI-G 200G-FI	200	50	350	Plain bore	235	140 x 110	105 x 75-80	11	65
LI-G 200IK	BI-G 200IK	LI-G 200IK-FI	200	50	350	Ball bearing	235	140 x 110	105 x 75-80	11	65

\* At higher temperatures the load capacity may be reduced, refer to page 399