

★
★
★
★

4
YEARS

 **Blickle**[®]

WARRANTY





















Visit www.blickle.us/en-us/warranty for details








Wheels and Casters

American Standard
QuickShipProgram



Table of Contents

i Introduction	Blickle – A Company in motion 		4–19
i Wheels and casters guide	General information about Blickle products 		20–47
Caster section ▼			48–101
1 Synthetic design casters	LWG – Blickle WAVE synthetic casters LWGX – Blickle WAVE synthetic casters, corrosion-resistant LKDG – Blickle MOVE twin synthetic casters LKDGX – Blickle MOVE twin synthetic casters, corrosion-resistant 	 up to 275 lbs  4"–5" 	50–51
2 Light-duty wheels and casters	LRA – Hollow kingpin for 3/8" mounting bolt LKRA – Hollow kingpin for 1/2" mounting bolt LKRXA – Hollow kingpin fitting, stainless steel LPA/LKPA – Top plate fitting LKPXA – Top plate fitting, stainless steel 	 up to 330 lbs  1 3/8"–5" 	52–63
3 Industrial casters	L – Top plate fitting, medium-duty version LER – Hollow kingpin fitting LEXR – Hollow kingpin fitting, stainless steel LE/LK – Top plate fitting LKR – Hollow kingpin fitting, heavy-duty design LKX/LEX – Top plate fitting, stainless steel LEH – Top plate fitting 	 up to 1,250 lbs  2 3/8"–10" 	64–84
4 Heavy-duty casters	LH – Pressed steel, heavy-duty design LS – Welded steel, heavy-duty swivel head 	 up to 2,755 lbs  2 9/16"–10"	85–92
5 Spring-loaded casters	LHF – Pressed steel, heavy-duty design, with steel spring LSFE – Welded steel heavy-duty casters with polyurethane spring 	 up to 2,205 lbs  4"–8"	93–94

6	Heat-resistant casters	<p>LI – Top plate fitting</p> <p>LIK PXA – Top plate fitting, light-duty version, stainless steel</p> <p>LIX – Top plate fitting, stainless steel</p>		<p>📦 up to 330 lbs</p> <p>🌀 4"–5"</p> <p>🌡️ Stain less</p>	95–97	1
7	Levelling casters	<p>HRLK – Industrial top plate casters with integrated truck lock</p>		<p>📦 up to 660 lbs</p> <p>🌀 3 1/8"–4"</p>	98–99	2
8	Drum and dead man's brake casters	<p>L-TM/TTM – Swivel casters with dead man's brake</p> <p>B-TB/TM – Rigid casters with drum and dead man's brake</p>		<p>📦 up to 1,320 lbs</p> <p>🌀 6 5/16"–8"</p>	100–101	3
9	Wheel section	<p>Rubber wheels</p> <p>Polyurethane wheels</p> <p>Soft solid rubber wheels</p> <p>Nylon, cast iron and solid steel wheels</p> <p>Heat-resistant wheels</p> <p>Guide rollers and rollers for pallet trucks</p> <p>Drive and running wheels</p>		<p>📦 up to 7,715 lbs</p> <p>🌀 1 3/16"–20 11/16"</p>	102–141	4
10	Electrically conductive, antistatic and electrostatic discharge wheels	<p>Rubber wheels</p> <p>Polyurethane wheels</p> <p>Nylon wheels</p>		<p>📦 up to 2,755 lbs</p> <p>🌀 2"–8"</p> <p>⚡</p>	142–155	5
11	ErgoMove®	<p>Blickle ErgoMove®</p> <p>The electric drive system</p>			156–157	6
12	Specials	<p>Tailor-made solutions for customer-specific applications</p>			158–159	7
i	Blickle Product information	<p>Blickle product code system</p> <p>Alphabetic product / series number list</p> <p>Blickle product information</p>			160 161 162	8

We work for you. And with you. Blickle – A company in motion.

We have been a leading manufacturer of wheels and casters worldwide for decades because of our reliability, commitment to innovation and focus on the customer.

Blickle is committed to outstanding quality, high availability, reliable deliveries and maintaining a global presence. Our highly motivated employees develop the perfect products for a wide range of applications. The main tools at their disposal are good ideas, a creative spirit, many years of experience and a high level of expertise in material and manufacturing technology.

The customer is our top priority. We stay in constant communication with our users to ensure that all of our individual solutions and our unique standard range of wheels and casters meet their requirements. This experience, combined with our own “Made in Germany” manufacturing facilities, guarantee one thing: “we innovate mobility”.

- Over 1,200 employees worldwide, with around 900 based at the headquarters in Rosenfeld, Germany
- 20 international sales subsidiaries in Europe, North America, Asia and Australia
- Sales partners and representative offices in over 120 countries worldwide
- DIN EN ISO 9001, DIN EN ISO 14001 and DIN EN ISO 50001 certified



ISO 9001



ISO 14001



ISO 50001

As a family company, we value consistency. Dr. Sarah Blickle-Fenner and David Blickle are the third generation of the family to be involved in the company, along with Reinhold and Denise Blickle.



Our headquarters is in Rosenfeld, Germany. This demonstrates our commitment to quality and manufacturing products “Made in Germany”.

Blickle in the US. We appreciate your business.



German by birth but American by choice! Blickle USA is a wholly owned subsidiary of Blickle Räder+Rollen GmbH u. Co. KG, headquartered in Rosenfeld, Germany. In over 120 countries around the world the name “Blickle” is the recognized leader providing engineered caster and wheel solutions. Here in the USA, America’s premier companies from the fortune 1000, privately held conglomerates, national OEM brands, integrated suppliers, distributors and MRO buyers look to Blickle USA to solve their mobility needs. Blickle is the only caster and wheel manufacturer capable of providing a complete product solution whether it is through a metric or imperial standard.

Our US Headquarters is located in Newnan, Georgia approximately 20 miles south of the Hartsfield-Jackson Atlanta International Airport. This manufacturing and distribution facility is also equipped with state of the art testing facilities, a customer experience center, “next day” shipping capabilities and specialized equipment for product customization and rapid prototyping for the US market. All supported by the world’s premier caster and wheel manufacturer with over 850,000 sq. ft. located in Rosenfeld, Germany just south of Stuttgart. Regardless of your application or need Blickle stands ready to find the perfect ergonomic caster and wheel solution just for you!

We invite you to come experience the difference and join Blickle customers from around the world who count on us to innovate mobility.



OUR BUSINESS SEGMENTS.

Blickle gets the world moving.
Know-how in every sector.



INTRALOGISTICS



MACHINE AND SYSTEMS ENGINEERING



CONVEYOR
TECHNOLOGY

Our wheels and casters provide mobility in almost every industry sector.

We have developed a wide range of specific solutions with our decades of experience and our expertise in a wide range of industry sectors. This means that we have the right product for every application and every environment.



HYGIENE / MEDICINE / DESIGN

MOBILE DEVICES AND EQUIPMENT

WE INNOVATE MOBILITY. EVERY DAY.

Standard product or a tailored approach? We can provide the perfect solution.

To fulfill your requirements. If you can't find it in our extensive standard range, we can work together to develop a tailored product for your application: Customizing is one of our strengths.

Our wide range of over 30,000 standard products provides the perfect solution for almost any application. All of our products are high-quality, maintenance free, available quickly and have a long service life, as you would expect from Blicke. Our products also set new standards in terms of ergonomics and occupational safety.

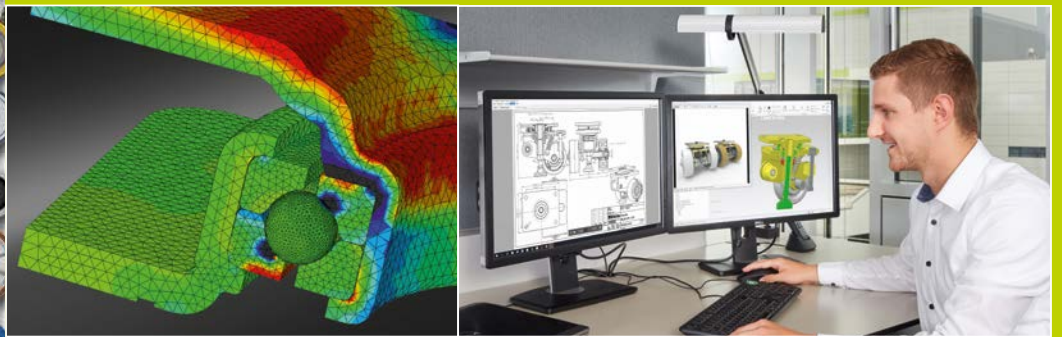
Our quick and efficient processes allow us to develop tailored solutions and ensure that they are integrated perfectly into your products. Our sophisticated combination of efficient mass produced series and highly-flexible, small-scale production abilities allow us to customize solutions in a quick and cost-effective manner.

We are committed to constantly developing comprehensive solutions for special applications, such as electric drive systems and brake and steering systems.





Innovation. Research. Development.



**Your requirement is our welcomed challenge.
We constantly develop new creative solutions.**

Our specialized expert teams are made up of experienced designers who know how to create perfect products to meet customer requirements.

Our developers use the latest methods, including linear and non-linear FEM, and keep close relationships with established scientific institutions to keep our ideas moving and to realize new possibilities. In addition to real-world technological developments, we also carry out basic research to optimize the materials that we use in our wheels and develop electrical wheel drive systems.

PRODUCTION AT HEADQUARTERS.

Maintaining standards by keeping it in-house.
Made by Blicke.



TOOLING



METAL PROCESSING, FORMING AND WELDING



INJECTION MOLDING

Leading the market is a challenge that we face every day. The Blicke way: manufacturing and developing everything from scratch.

Blicke wheels and casters are manufactured exclusively at our main plant in Rosenfeld, in the southwest of Germany. We develop and build tools, equipment and systems in-house to meet any requirement.



POLYURETHANE

ASSEMBLY

From toolmaking, stamping and the welding of rigs, to the casting and bonding of the wheel treads, and finally, to the assembly of the casters, all processes are carried out in one place.

Our high level of chemical and mechanical engineering expertise gives us complete control over the quality of our products. It also allows us to react with speed and flexibility to customer and market requirements.

New production site. Long-term experience. Expertise in polyurethane.

Polyurethane. A material for which we at Blicke are absolute experts today. Polyurethane is found everywhere today – for example in paint, adhesives, flexible foam, rigid foam, toothed belts, shoe soles and, of course, in the running surfaces of wheels and casters. Without this material, the performance of many industrial plants would not be possible. This outstanding material becomes even more fascinating when you understand it down to the last detail and know which factors influence the quality of the wheel tread produced.

The perfect thing about polyurethane? Depending on the mixing ratio and processing, it can have very different properties. Decades of experience and an incredible amount of skill on the part of our engineers and chemists go into every Blicke high performance polyurethane tread, specially developed and constantly optimized for applications with high speeds, maximum running performance and optimal smoothness. In cooperation with renowned research institutes and using the most modern methods, our developers are constantly improving the existing formulations. Depending on the requirements and situation, we can therefore offer wheels with the best possible mix of properties.



- 92 shore A
- Standard polyurethane
- High dynamic load capacity
- Optionally available in antistatic version



- 75 shore A
- Standard polyurethane, soft
- Outstanding traction properties, very high floor protection and smooth running
- Optionally available in antistatic version



- 92 shore A
- Top performance polyurethane
- Very low rolling resistance, very high dynamic load capacity and hydrolysis resistance
- Optionally available in electrostatic discharge version



- 75 shore A
- Top performance polyurethane, soft
- High dynamic load capacity combined with very good traction and hydrolysis resistance



- 92 shore A
- Top performance polyurethane
- Low rolling resistance with a very high dynamic load capacity



- 94 shore A
- Thermoplastic polyurethane
- Optionally available in hydrolysis resistant version
- Optionally available in electrically conductive version



In order to retain full influence on the quality and performance of our treads, we simply do everything ourselves: We blast, clean and prime the wheel centers fully automatically. The subsequent casting is done in a low-pressure hot casting process with digitally monitored machines. Depending on the recipe, the necessary additives such as color pigments, activators or antistatics are then precisely mixed in. This is how we can also meet customer-specific requirements precisely and flexibly. Blickle wheels and their treads are extensively tested during development so that we can guarantee a consistently high level of quality.



MADE AND TESTED IN GERMANY.

We want your trust. Over the long term. Quality and control.

Customer confidence is our most valuable asset. We earned this confidence thanks to our quality and reliability. Our vertical integration and “Made in Germany” production give us complete control over the entire manufacturing process.

Our management systems, cutting-edge automated production, testing equipment and thorough inspection processes guarantee a high level of quality and reliability.

The engineers in our test laboratories have a wide range of test facilities at their disposal, including rotating test benches capable of handling a load of up to 12,000 lbs, material testing equipment, air conditioning and heating cabinets. We use cutting edge equipment for wheel and caster tests in accordance with DIN EN 12527–12533 (ISO 22878–22884) and ANSI ICWM:2012 in addition to destructive testing.





ISO 9001

CERTIFIED
QUALITY MANAGEMENT SYSTEM



ISO 14001

CERTIFIED
ENVIRONMENTAL MANAGEMENT SYSTEM



ISO 50001

CERTIFIED
ENERGY MANAGEMENT SYSTEM



★
★
4
★ YEARS

Blicke

WARRANTY

Visit www.blicke.us/en-us/warranty for details

To assure that our products are of the highest quality, the Blicke engineering team tests in accordance to both the Institute of Caster and Wheel Manufacturers (ICWM) and the European norms (DIN EN), the National Sanitation Foundation (NSF) and Restriction of Hazardous Substance (RoHS) compliance standards where applicable. The in-house test laboratories at Blicke are likely the most modern and most extensive ones in the industry.

The Blicke product line carries an industry “best in class” warranty. Our product design, manufacturing and precision assembly processes allow for long “life cycle” use. Better quality equals lower total cost of ownership.

- www.blicke.us/en-us/warranty for Blicke warranty details
- www.blicke.us/en-us/product-information for Blicke product information
- www.blicke.us/en-us/general-terms-and-conditions for Blicke’s terms and conditions

OUR MODERN LOGISTICS CENTER.

Rapid and reliable. International deliveries done right.

You can expect outstanding reliability from every area of Blicke. Our cutting-edge logistics center guarantees top-speed deliveries.

175,000 to 220,000 lbs of goods leave our logistics center in Rosenfeld every day. Our 130 feet high, fully-automated high-rack warehouse uses fully-automated rack feeders and has enough space for 43,470 pallets. The neighbouring fully-automated small parts warehouse has space for 54,000 pallets. This guarantees that materials get to our production facilities efficiently and that products are delivered to our customers quickly and reliably.



QuickShipProgram



QuickShip Program

At Blickle we understand that fast delivery is critical to your business. With this in mind, Blickle has developed this condensed catalog of standard items that are readily available for shipment. Most products on the delivery program are ready for dispatch within 24 to 48 hours from one of our two North American warehouses in the US and Canada.

This applies to all primary products you find in this catalog and not just a select few. If you require an optional accessory, an item marked as “consult factory” or a large product quantity, your order may not qualify for this service. Please contact us for confirmation.

BLICKLE SUCCESS FACTORS.

Benefits for you. Ergonomics. Efficiency. Safety.



The IGR Institute of Health and Ergonomics (IGR Institut für Gesundheit und Ergonomie e.V.) has awarded the Blicke Besthane®, Besthane® Soft and SoftMotion tread series its “ergonomic product” quality seal. Wheels and casters equipped with these treads contribute to an ergonomically optimal transport of goods. The tests performed by the IGR were based on the DIN 33 419 / EN ISO 15537 standards.

Ergonomics: Better Blicke

- The starting and rolling resistance are decisive factors in ergonomics. Even with high loads, Blicke treads set standards in terms of rolling, swiveling and starting resistance.
- Noise increases stress and the risk of accidents while decreasing performance. Quiet treads also run more smoothly. Blicke Besthane® Soft: Minimal noise emission, high load capacity, low rolling resistance.

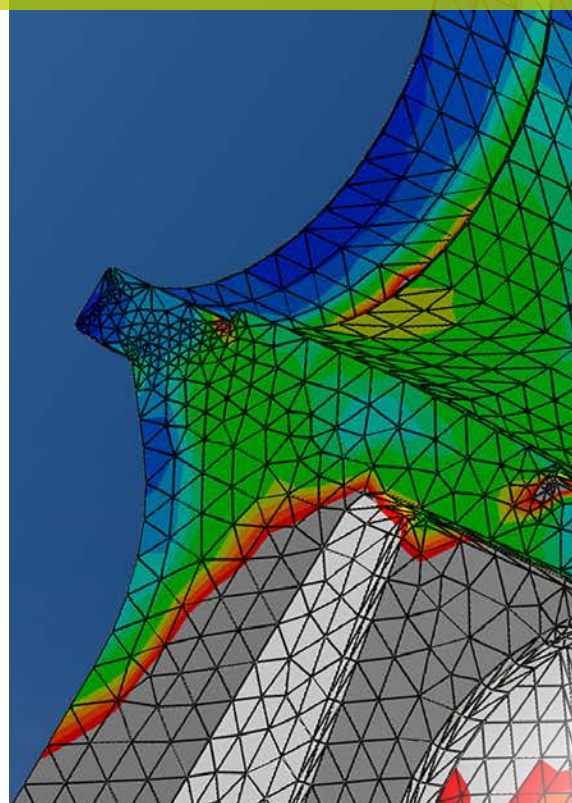


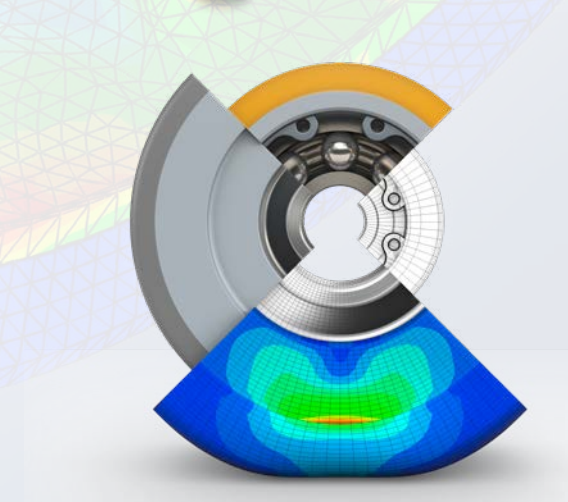
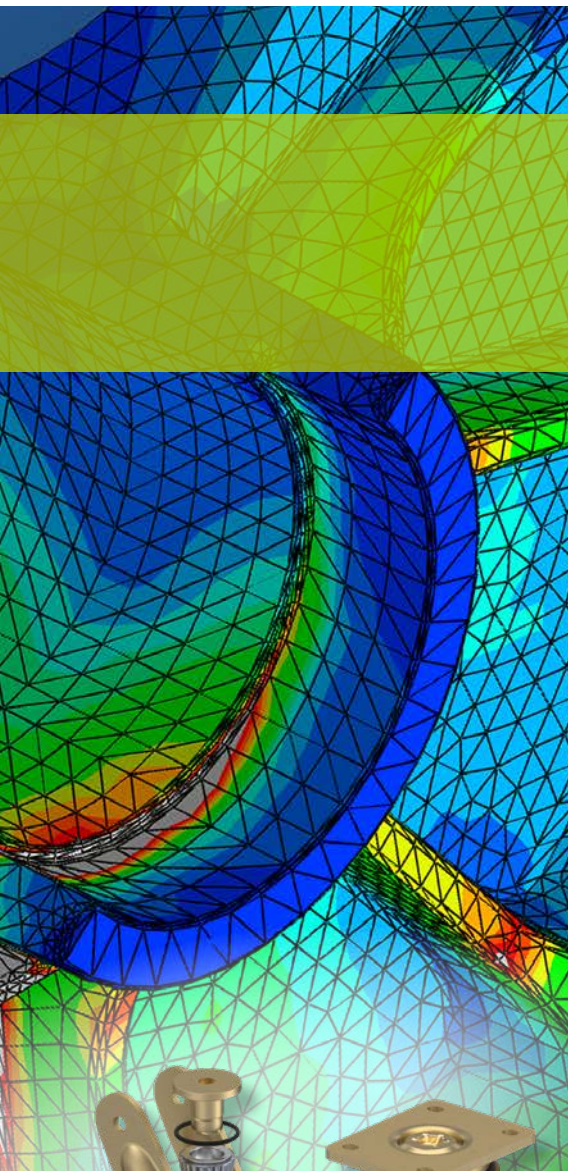
Want to know more?
Simply scan the QR code
and immerse yourself in the
Blicke world of innovations.



Efficiency: Better Blicke

- Fast, smooth processes and procedures are important success factors for your company. An essential component: extremely robust Blicke rigs, which can easily cope with high loads and speeds.
- Blicke wheel series are designed for a long service life and thus guarantee a fast and smooth flow of materials. Innovative, highly elastic treads ensure greater energy efficiency.





Safety: Better Blickle

- Safety is our top priority: Blickle brakes are not only tested according to the European and North American caster standards DIN EN 12526–12533 and ANSI ICWM:2012, they are also adjusted to the respective tread. As they are designed to be extremely wear-resistant, you can rely on us for the long term.
- The electrical conductivity of wheels and casters protects persons and transported goods against uncontrolled electrostatic discharge. The electrostatic charge is grounded through the rigs and wheels. Blickle offers an extensive portfolio of electrostatically conductive wheels and casters and thus solutions for almost all electrically sensitive applications.



Want to know more?
Please take a look at the
pages 142–155

Wheels and casters guide

A few steps to the optimal product

1 Select your product.

Wheels, swivel and rigid casters or press-on bands / tires can be used depending on the application.

Swivel casters can rotate, while rigid casters run in a rigid direction. The casters can be attached using a top plate, bolt hole, stem, expander or plug-in stem.

Product type	Wheel	Swivel caster	Rigid caster	Press-on band / tire	
Mounting options	Top plate	Bolt hole	Stem	Expander	Plug-in stem

2 Determine the required load capacity.

The load capacity required for a wheel or caster is calculated by dividing the dead weight of the transport equipment and its additional weight by the number of supporting wheels or casters.

The result is then multiplied by a safety factor dependent on the application conditions. (See page 24 for more information)

$$T = \frac{E+Z}{n} \times S$$

T = Required load capacity per wheel or caster
 E = Dead weight of the transport equipment
 Z = Maximum additional weight
 n = Number of supporting wheels or casters
 S = Safety factor

3 Starting, rolling and swivel resistance. Maneuverability.

The starting, running and swivel resistance of a wheel or caster is largely dependent on the tread, wheel bearing, wheel Ø, overall load and the condition of the surface. (See page 27 for more information)

The maneuverability of a transport equipment is dependent on the quantity and type of the casters which are used, as well as how they are arranged. These factors in turn affect load capacity, maneuverability, control, cornering and stability. (See page 25 for more information)



Low rolling resistance

- Large wheel Ø
- Hard tread
- High tread elasticity
- Ball bearing
- Hard, smooth surface

Low swivel resistance (swivel casters)

- Hard tread
- Crowned tread
- Large offset
- Hard, smooth surface

4 Corrosion resistance. Temperature resistance. Chemical resistance.

The service life and functionality of a wheel or caster depends to a certain extent on how well the materials used or their surface finish are capable of withstanding corrosion, temperature changes and chemical substances. Temperature and the duration of exposure are the most important factors.

Information about the chemical resistance of the different materials we use is provided in the table on page 31.



Example: checking resistance to hydrolysis

Wheels and casters guide

A few steps to the optimal product

5 Select from a wide range of tread materials.

Hardness, shape and tread material have a significant impact on the operational comfort, smooth rolling performance and starting, rolling and swivel resistance of a wheel or caster. The tread (tire) of a wheel should normally be softer than the surface. Otherwise the wheel may press into the surface and damage it. (See page 27 for more information)

Tread material	Tread and tire hardness	Operating noise
Pneumatic tire, soft rubber		
Elastic solid rubber, super-elastic solid rubber		
Solid rubber, TPE, polyurethane 75 Shore A, silicone rubber		
TPU, polyurethane 92 Shore A		
Steel, cast iron, nylon, polypropylene, phenolic resin		

soft → hard loud → quiet

6 Select a wheel bearing type.

Selecting a suitable bearing will depend on the speed, load, environmental factors and the force required to move the transport equipment.

Plain bores are simple, robust and mostly insensitive to humidity, but have the highest coefficient of friction, and therefore a relatively high starting and rolling resistance.

Roller bearings are robust, have a low rolling resistance and a small radial bearing clearance.

Ball bearings have the best starting and rolling properties, the smallest bearing clearance, a high load capacity and are also suitable for high speeds.



G – Plain bore



R – Roller bearing



K – Ball bearing



KA or KF – Central ball bearing (C) with thread guard



KA or KF – Two central ball bearings (CC) with thread guard



KAD or KFD – Central ball bearing (C) with thread guard and additional ball bearing seal



KAD or KFD – Two central ball bearings (CC) with thread guard and additional ball bearing seals

7 Select a suitable rig, version and options.

The suitable rig for every application and all requirements. Pressed steel rig in standard, stainless steel or heat-resistant version, welded steel heavy-duty rig with or without suspension, or elegant synthetic rig.

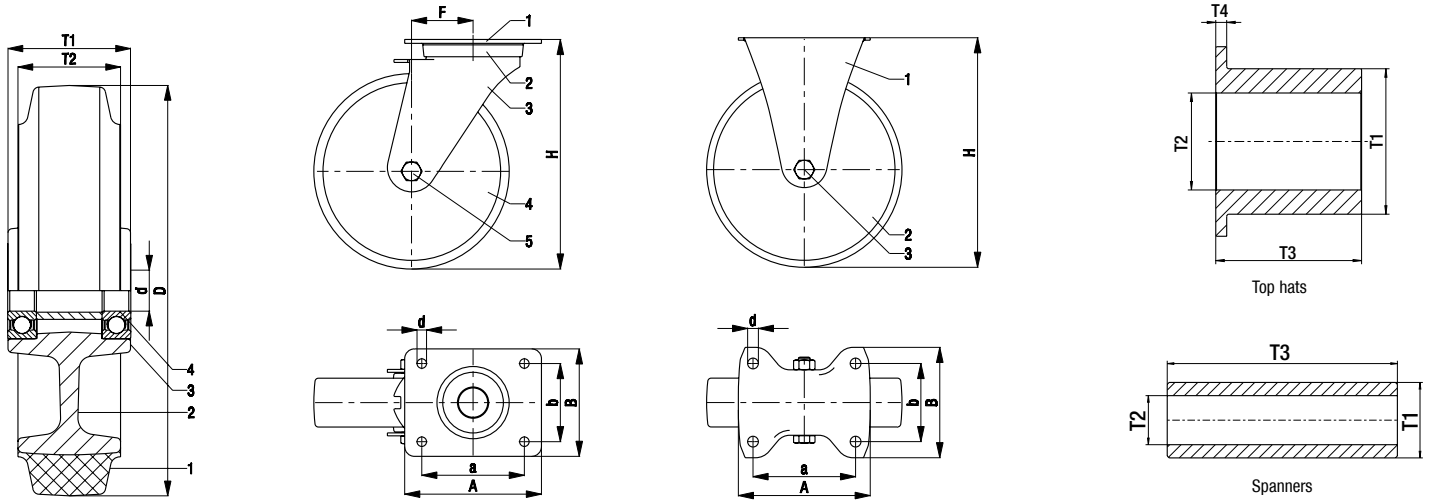
The functionality of wheels or casters can be enhanced by using different versions or options. Wheel and swivel head brakes to prevent swivel casters rolling and rotating, foot guard for avoiding foot injuries, electrically conductive treads for protection against electrostatic discharge and many more.

A detailed list of Blickle rig series is available on page 33–41. All versions and options are listed on page 43–47.



Wheels and casters guide

Basic information / definitions



Wheel

Designations:

- 1 = tread / tire
- 2 = wheel center / rim
- 3 = hub
- 4 = wheel bearing

Dimensions:

- D = wheel diameter
- d = bore diameter
- T1 = hub length
- T2 = wheel width

Wheels are made up of a tread / tire, wheel center / rim and a wheel bearing.

Wheels vary in terms of their load capacity, rolling resistance and rolling quality.

Swivel caster

Designations:

- 1–3 = swivel rig
- 1 = top plate
- 2 = swivel head (swivel bearing)
- 3 = swivel fork
- 4 = wheel
- 5 = wheel axle

Dimensions:

- H = total height / mounting height
- F = offset
- A, B = plate dimensions
- a, b = bolt hole spacing
- d = bolt hole diameter

Swivel casters can be rotated around the vertical axis, improving the maneuverability of machinery, equipment, etc. A swivel head (swivel bearing) connects the fork (swivel fork) to the fitting. There is normally some horizontal distance between the center of the swivel bearing and the wheel axle (offset), so the fork can swivel freely. This offset allows the caster to rotate easily without additional equipment. It also gives the caster a stable rolling characteristic when travelling straight. Swivel casters can be fitted with different locks to brake

- The rotation of the wheel (thread lock)
- The rotation of the wheel and the swivel motion of the fork (wheel and swivel head brake)
- The swivel motion of the fork (swivel lock)

Rigid caster

Designations:

- 1 = rigid rig
- 2 = wheel
- 3 = wheel axle

Dimensions:

- H = total height / mounting height
- A, B = plate dimensions
- a, b = bolt hole spacing
- d = bolt hole diameter

Rigid casters do not swivel and make it easier to move machinery, equipment, etc. in a particular direction without deviating.

Top hats & spanners

Top hats and spanners are available for all plain bore, roller bearing and precision ball bearing wheels to allow the use of 3/8", 1/2", 3/4" and 1" axles in caster assemblies. More dimensions and pricing are available upon request.

Product code	For Axle	Outer Ø	Inner Ø	Total length	Flange width
		(T1)	(T2)	(T3)	(T4)
		[inch]	[mm]	[mm]	[mm]
251165	3/8	15	10	15	1
758610	1/2	20	13	20	1.5
467852	3/8	20	10	20	1
758111	3/4	25	19	22	1.5
742069	1	30	25.6	16	1.5

Product code	For Axle	Outer Ø	Inner Ø	Total length
		(T1)	(T2)	(T3)
		[inch]	[mm]	[mm]
133355	3/8	15	11	46
133728	1/2	20	13	61
481671*	5/16	12	9	47
133363*	3/8	15	11	46
280032*	5/16	15	9	46

* Stainless

The cross-sections of the wheels on the product pages only provide an example of that particular series. Wheels within the same series may have different designs due to technical reasons.

Wheels and casters guide

Classification of wheels and casters

International standards divide wheels and casters into the following categories:

- Light-duty wheels and casters
- Wheels and casters for transport equipment
- Heavy-duty wheels and casters

Each of these are used for different applications and are subject to different test conditions.



Blickle light-duty wheels and casters

Light duty wheels and casters and compact casters are mainly used with appliances and equipment for internal applications. They are designed for travelling speeds of up to 1.9 mph (3 km/h). The maximum load capacity is 615 lbs (280 kg) for light duty wheels and casters and 3,850 lbs (1,750 kg) for compact casters. They fulfill all requirements for high maneuverability of the respective appliances as well as for maximum smooth rolling performance at low rolling resistances. Typical application areas are medical equipment, display bases, equipment for large-scale catering establishments, etc.

Blickle light duty wheels and casters and compact casters are tested in regards to load capacity on a rotating bench

in North America in accordance to ANSI ICWM:2012:

The most significant test characteristics are as follows:

- Speed: 2.0 mph minimum
- Obstacle height is 3 % of the wheel diameter to a maximum height of $\frac{3}{16}$ "
- The minimum run time of each cycle is 2 min
- Test duration: Minimum run distance is 1.5 miles

in Europe in accordance to DIN EN 12530:

The most significant test characteristics are as follows:

- Speed: 2.0 mph (3 km/h)
- Temperature: +60 °F to +82 °F (+15 °C to +28 °C)
- Hard, horizontal surface with obstacles of 3 % of the wheel diameter
- Test duration: Number of obstacles crossed corresponds ten times the wheel diameter (in mm)
- Break time: Max. 3 min after each 3 min running time

Blickle wheels and casters for transport equipment

Wheels and casters for transport equipment are used in the industrial sector, both indoor and outdoor. They are designed for travelling speeds of up to 2.5 mph (4 km/h). The maximum load capacities amount to 1,980 lbs (900 kg). Transport equipment wheels and casters are insensitive to environmental influences, largely maintenance-free and run trouble-free over a long period of time. Typical application areas cover many types of equipment including pallets, working platforms, and waste containers.

Blickle wheels and casters for transport equipment are tested in regards to load capacity on a rotating bench

in North America in accordance to ANSI ICWM:2012:

The most significant test characteristics are as follows:

- Speed: 2.5 mph minimum
- Obstacle is 2" wide steel with a chamfer 45° by one-half the obstacle height on the running edges
- The obstacle height is $\frac{1}{16}$ " (wheel diameter 0"-3"), $\frac{1}{8}$ " (wheel diameter > 3"-12"), and $\frac{3}{16}$ " (wheel diameter > 12")
- The minimum run time of each cycle is 2 min
- Test duration: Minimum run distance is 4 miles. Number of obstacles crossed for top plate casters is 5,000 (wheel diameter 0"-12") and 7,500 (wheel diameter > 12")

in Europe in accordance to DIN EN 12532:

The most significant test characteristics are as follows:

- Speed: 2.5 mph (4 km/h)
- Temperature: +60 °F to +82 °F (+15 °C to +28 °C)
- Hard, horizontal surface with obstacles of the following heights:
 - 5 % of the wheel diameter for wheels with soft tread (hardness < 90 Shore A)
 - 2.5 % of the wheel diameter for wheels with hard tread (hardness ≥ 90 Shore A)
- Test duration: 15,000 x wheel circumference (in mm), at least 500 obstacles crossed
- Break time: Max. 1 min after each 3 min running time

Blickle heavy-duty wheels and casters

Heavy duty wheels and casters are used in application areas with heavy loads and/or higher travelling speeds. They have a much sturdier design. To move extremely heavy loads, two-wheel casters are also used (twin wheel casters). For vibration free transport spring-loaded casters are particularly suitable. Typical application areas are storage and industrial trucks, assembly and transport systems, etc.

Blickle heavy duty wheels and casters are tested in regards to load capacity on a rotating bench:

in North America in accordance to ANSI ICWM:2012:

The most significant test characteristics are as follows:

- Speed: 2.5 mph, 3.7 mph, 6.2 mph, 10 mph
- Obstacle is 2" wide steel with a chamfer 45° by one-half the obstacle height on the running edges
- The obstacle height is $\frac{1}{16}$ " (wheel diameter 0"-3"), $\frac{1}{8}$ " (wheel diameter > 3"-12") and $\frac{3}{16}$ " (wheel diameter > 12")
- The minimum run time of each cycle is 2 min
- Test duration: Minimum run distance is 4 miles. Number of obstacles crossed for top plate casters is 500 (wheel diameter 0"-3"), 5,000 (wheel diameter > 3"-12") and 7,500 (wheel diameter > 12")

in Europe at 2.5 mph (4 km/h) in accordance to DIN EN 12532 and at higher speeds to 12533:

The most significant test characteristics in accordance to DIN EN 12532/12533 are as follows:

- DIN EN 12532: Speed: 2.5 mph (4 km/h)
- DIN EN 12533: Speed: 3.7 mph (6 km/h), 6.2 mph (10 km/h), 10 mph (16 km/h), 15.5 mph (25 km/h) (norm: max. 10 mph (16 km/h))
- Temperature: +60 °F to +82 °F (+15 °C to +28 °C)
- Hard, horizontal surface with obstacles of the following height:
 - 5 % of the wheel diameter (in mm) for wheels with soft tread (hardness < 90 Shore A)
 - 2.5 % of the wheel diameter (in mm) for wheels with hard tread (hardness ≥ 90 Shore A)
- DIN EN 12532: Test duration: 15,000 x wheel circumference (in mm), at least 500 obstacles crossed
- DIN EN 12533: Test duration: Number of obstacles crossed corresponds five times the wheel Ø (in mm)
- Break time: Max. 1 min after each 3 min running time

Wheels and casters guide

Load capacity

Dynamic load capacity

The load capacity listed for a wheel or caster is the load capacity which that wheel or caster was capable of withstanding when tested on a rotating bench in accordance with DIN EN 12527–12533 (ISO 22878–22884).

In order to determine the load capacity that a wheel or caster needs to have, it is important to know the dead weight of the transport equipment, the maximum additional weight and the number of supporting wheels or casters. When using four or more wheels or casters, the load on each individual wheel or caster may vary. The necessary load capacity is calculated as follows:

$$T = \frac{E+Z}{n} \times S$$

T = required load capacity per wheel or caster
 E = dead weight of the transport equipment
 Z = maximum additional weight
 n = number of supporting wheels or casters
 S = safety factor

Wheels and casters with ball bearings are capable of exceeding speeds of 2.5 mph (4 km/h) with a reduced load capacity.

Recommended safety factors for different applications

The safety factor S is used to account for deviations from the standard application conditions (smooth surface, walking speed of 2.5 mph (4 km/h), equal load distribution, travelling straight, ambient temperature of between +60 °F and +82 °F (+15 °C and +28 °C)). The safety factor is affected by the speed of movement and the ratio of wheel Ø to the height of the obstacle. There are four different categories (see table).

Safety factors do not take tread wear into consideration.

Determining safety factor S

	Transport	Environment	Height of the obstacle	Safety factor
	manual	indoors	< 5 % of wheel Ø	1.0–1.5
	manual	outdoors	> 5 % of wheel Ø	1.5–2.2
	motorized	indoors	< 5 % of wheel Ø	1.4–2.0
	motorized	outdoors	> 5 % of wheel Ø	2.0–3.0

Static load capacity

If a wheel or caster is exposed to mainly static loads, its static load capacity is tested in accordance with ISO 22878. One of the criteria that this test looks at is the extent to which the tread flattens after a specific period.

Information about the static load capacity of our products is available in our product data sheets. You can contact us directly to request them or download them from www.blickle.com.

Wheels and casters guide

Maneuverability

Casters must be positioned to meet requirements for the maneuverability and steering of units and machines. A number of different caster arrangements are described below.



Three swivel casters with identical mounting height

Suitable for small loads and narrow routes. The transport equipment is very easy to move in any direction. The transport equipment is relatively difficult to manoeuvre when travelling straight. This can be improved by fitting a swivel lock to one of the three swivel casters. This caster arrangement can make the transport equipment more susceptible to tipping.

Load capacity	■ ■ ■ ■
Maneuverability	■ ■ ■ ■ ■
When travelling straight	■ ■ ■ ■
Turning circle	■ ■ ■ ■ ■
Stability	■ ■ ■ ■ ■



Four swivel casters with identical mounting height

Suitable for narrow routes. The transport equipment is very easy to move in any direction. The transport equipment is relatively difficult to manoeuvre when travelling straight. Attaching swivel locks to two swivel casters can improve this situation.

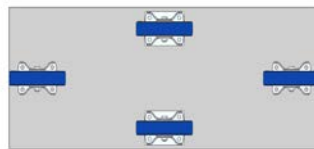
Load capacity	■ ■ ■ ■ ■
Maneuverability	■ ■ ■ ■ ■
When travelling straight	■ ■ ■ ■ ■
Turning circle	■ ■ ■ ■ ■
Stability	■ ■ ■ ■ ■



Two swivel and rigid casters with identical mounting height

Most common caster arrangement, suitable for towing. The transport equipment is easy to manoeuvre when cornering and moving in a straight line. The transport equipment is relatively difficult to manoeuvre in tight spaces. The rigid caster can be replaced with a wheel set, i.e. two wheels on an axle.

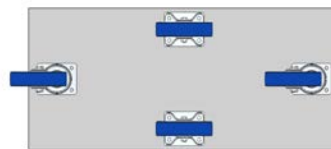
Load capacity	■ ■ ■ ■ ■
Maneuverability	■ ■ ■ ■ ■
When travelling straight	■ ■ ■ ■ ■
Turning circle	■ ■ ■ ■ ■
Stability	■ ■ ■ ■ ■



Four rigid casters, with the central casters having a slightly higher mounting height

Cost-effective caster arrangement. The transport equipment is easy to manoeuvre when moving in a straight line. Arranging the load over the central rigid casters makes the transport equipment relatively easy to steer and rotate on the spot. This caster arrangement can make the transport equipment more susceptible to tipping and swinging. The central rigid casters can be replaced with a wheel set, i.e. two wheels on an axle.

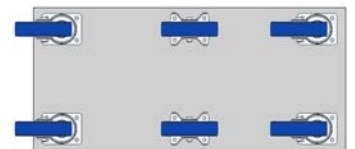
Load capacity	■ ■ ■ ■ ■
Maneuverability	■ ■ ■ ■ ■
When travelling straight	■ ■ ■ ■ ■
Turning circle	■ ■ ■ ■ ■
Stability	■ ■ ■ ■ ■



Two swivel and two rigid casters, with the rigid casters having a slightly higher mounting height

Suitable for towing. The transport equipment is easy to manoeuvre when cornering and moving in a straight line and rotates easily on the spot. This caster arrangement can make the transport equipment more susceptible to tipping and swinging. We recommend using swivel casters with spring-loaded casters. The central rigid casters can be replaced with a wheel set, i.e. two wheels on an axle.

Load capacity	■ ■ ■ ■ ■
Maneuverability	■ ■ ■ ■ ■
When travelling straight	■ ■ ■ ■ ■
Turning circle	■ ■ ■ ■ ■
Stability	■ ■ ■ ■ ■



Four swivel casters and two rigid casters identical mounting height

Complicated caster arrangement, suitable for towing. The transport equipment is easy to manoeuvre when cornering and moving in a straight line and rotates easily on the spot. It is particularly well suited for heavy loads and long units. Constant surface contact of the rigid casters is required for maneuverability. The central rigid casters can be replaced with a wheel set, i.e. two wheels on an axle.

Load capacity	■ ■ ■ ■ ■
Maneuverability	■ ■ ■ ■ ■
When travelling straight	■ ■ ■ ■ ■
Turning circle	■ ■ ■ ■ ■
Stability	■ ■ ■ ■ ■

Wheels and casters guide

Blickle wheel series info box

Tread and tire hardness. Smooth operation and floor preservation.



Blickle wheel series info box

To make it easier for you to choose the correct product, we provide a Blickle info box for each wheel series on the relevant page. This provides an overview of the tread and tire hardness of a wheel, its smooth operation and floor preservation, rolling resistance and wear resistance.

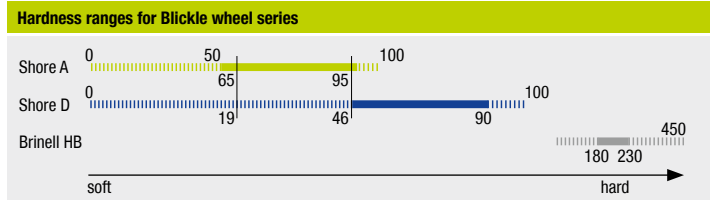
Tread and tire hardness is rated on a scale from very soft to very hard, while the other categories are rated from satisfactory to excellent.

Tread and tire hardness

The tread & tire hardness is indicated in the info box in images on the product pages. The further the marking is to the right, the harder the tread.

There is no linear correlation between the various hardness testing methods. The values in the graphic were determined empirically and are provided for reference purposes.

- Hardness for
- Elastomers and polyurethanes is provided in Shore A,
 - Shore D for solid plastics and
 - Using the Brinell scale for metals.



Material	Tread and tire hardness	
Pneumatic tire / soft rubber		50–60 Shore A
Elastic solid rubber		65 Shore A
Super-elastic solid rubber		70 Shore A
Standard solid rubber		80 Shore A
Thermoplastic polyurethane (TPU), soft		80 Shore A
Thermoplastic rubber-elastomer (TPE)		85 Shore A
Polyurethane 75 Shore A		75 Shore A
Polyurethane 92 Shore A		92 Shore A
Thermoplastic polyurethane (TPU), hard		92–98 Shore A
Polypropylene		60 Shore D
Nylon		70 Shore D
Cast nylon		80 Shore D
Cast iron / steel		180–230 HB

Smooth operation and floor preservation

The higher the score in this category, the quieter the wheel is and the easier it is on surfaces.

Hard wheels can also be used with low levels of noise and a high degree of operational comfort when transporting light loads on a soft surface (e.g. carpet).

Floor preservation

Hard treads put more strain on a floor than softer treads. A tread with five points in the smooth operation and floor preservation category has exceptionally good floor preservation qualities.

Calculating average floor pressure

The average floor pressure is calculated by dividing the radial force [lbs] / [N] by the wheel contact surface [in²] / [mm²].

Floor surface preservation is measured on the basis of average floor pressure. Reference values for each tread material are provided to the right.

Smooth operation

In principle, vehicles tend to be quieter when they have large wheels with soft thick treads. Hard treads result in higher levels of noise than soft treads. A high score in the smooth operation and floor preservation category would therefore lead to expect low levels of vibration and noise emission when transporting goods.

Material	Smooth operation / floor preservation	Average floor pressure
Pneumatic tire / soft rubber		115 lbs/in ² (0.8 N/mm ²)
Elastic solid rubber		260 lbs/in ² (1.8 N/mm ²)
Super-elastic solid rubber		215 lbs/in ² (1.5 N/mm ²)
Standard solid rubber		510 lbs/in ² (3.5 N/mm ²)
Thermoplastic polyurethane (TPU), soft		580 lbs/in ² (4.0 N/mm ²)
Thermoplastic rubber-elastomer (TPE)		655 lbs/in ² (4.5 N/mm ²)
Polyurethane 75 Shore A		510 lbs/in ² (3.5 N/mm ²)
Polyurethane 92 Shore A		1,160 lbs/in ² (8.0 N/mm ²)
Thermoplastic polyurethane (TPU), hard		1,595 lbs/in ² (11.0 N/mm ²)
Polypropylene / nylon		5,800 lbs/in ² (40.0 N/mm ²)
Cast nylon		8,700 lbs/in ² (60.0 N/mm ²)
Cast iron / steel		>50,765 lbs/in ² (>350 N/mm ²)

Wheels and casters guide

Blickle wheel series info box

Starting, rolling and swivel resistance. Wear resistance.

Starting, rolling and swivel resistance

Starting resistance reflects the amount of force required to get the wheel in motion when it is at a standstill.

Rolling resistance refers to the amount of force required to keep the wheel moving in a uniform manner.

Starting and rolling resistance are affected by the following factors:

- Wheel diameter
- Tread geometry
- Tread & tire hardness
- Rebound resilience of the tread
- Wheel bearing
- Surface

Rolling resistance occurs as a result of the constant compression and decompression of the tread while the wheel is rolling (hysteresis).

Rolling resistance is measured using a test bench. Measurements are taken under ideal conditions:

- Level, smooth, steel surface free of dirt and obstacles
- Speed: 2.5 mph (4 km/h)
- Temperature: +68 °F (+20 °C)
- Load: 2/3 of max. load capacity

These standardised conditions make it possible to compare the rolling resistances of different wheel series.

Different application conditions (surface quality, temperature, speed, etc.) must be taken into consideration when designing the running gear and can have a significant impact on rolling resistance.

Swivel resistance is the amount of force required to align the casters in the direction of travel.

Swivel resistance is affected by the following factors:

1. Contact area of the wheel:
The contact area of the wheel rotates around its center when the swivel caster turns. This causes friction. The resistance is dependent on the interaction between the surface and the wheel tread, in addition to the size of the contact area.
2. Resistance of the swivel head:
The structure and quality of the swivel head have an impact on its swivel resistance.
3. Offset of the swivel caster:
The swivel resistance of the swivel caster is influenced by the distance between the center of the swivel head and the center of the contact area.

Material	Rolling resistance	
Pneumatic tire / soft rubber		good
Elastic solid rubber		very good
Super-elastic solid rubber		good
Standard solid rubber		satisfactory
Thermoplastic polyurethane (TPU), soft		very good
Thermoplastic rubber-elastomer (TPE)		very good
Polyurethane 75 Shore A (Softthane®)		very good
Polyurethane 75 Shore A (Besthane® Soft)		excellent
Polyurethane 92 Shore A (Extrathane®)		very good
Polyurethane 92 Shore A (Besthane®)		excellent
Thermoplastic polyurethane (TPU), hard		very good
Polypropylene / nylon		excellent
Cast nylon		excellent
Cast iron / steel		excellent

Wear resistance

The higher the point score in this category, the greater the wear resistance of the wheel.

In addition to other factors, the wear resistance incorporates the resistance to abrasion of elastomers or thermoplastic elastomers in accordance with ISO 4649. The resistance of other tread materials to abrasion was tested in accordance with ISO 4649.

Tread materials are assigned to different abrasion resistance categories in the graphic to the right.

Material	Wear resistance	
Pneumatic tire / soft rubber		satisfactory
Elastic solid rubber		good
Super-elastic solid rubber		good
Standard solid rubber		sufficient
Thermoplastic polyurethane (TPU), soft		good
Thermoplastic rubber-elastomer (TPE)		satisfactory
Polyurethane 75 Shore A		very good
Polyurethane 92 Shore A		excellent
Thermoplastic polyurethane (TPU), hard		very good
Polypropylene		satisfactory
Nylon		good
Cast nylon		very good
Cast iron / steel		excellent

Wheels and casters guide

Intelligent treads for optimal ergonomics in the workplace

The formula of the rubber and polyurethane materials and how they are processed are the main factors affecting the quality of the finished product. They have a significant impact on tread and tire hardness, rebound resilience, abrasion resistance, load capacity, rolling resistance and low-temperature flexibility. In cooperation with renowned scientific institutes and using the most modern methods, Blickle developers are constantly improving the existing recipes and finding the best combinations between the tread, cushion thickness and tread contour.

In addition to the properties of different tread materials, the extent to which they adhere to the wheel center also plays a significant role in the quality of the product. That is why wheels and their treads are extensively tested during development so that we can guarantee a consistently high level of quality over the long term.



The IGR Institute of Health and Ergonomics (IGR Institut für Gesundheit und Ergonomie e.V.) has awarded the Blickle Besthane®, Besthane® Soft and SoftMotion tread series its "ergonomic product" quality seal. Wheels and casters equipped with these treads contribute to an ergonomically optimal transport of goods. The tests performed by the IGR were based on the DIN 33 419 / EN ISO 15537 standards.



Blickle Besthane® Soft

- 75 Shore A
- Top performance polyurethane, soft
- Up to 25 % lower rolling resistance compared to standard polyurethane

Blickle Besthane®

- 92 Shore A
- Top performance polyurethane
- Up to 30 % lower rolling resistance compared to standard polyurethane

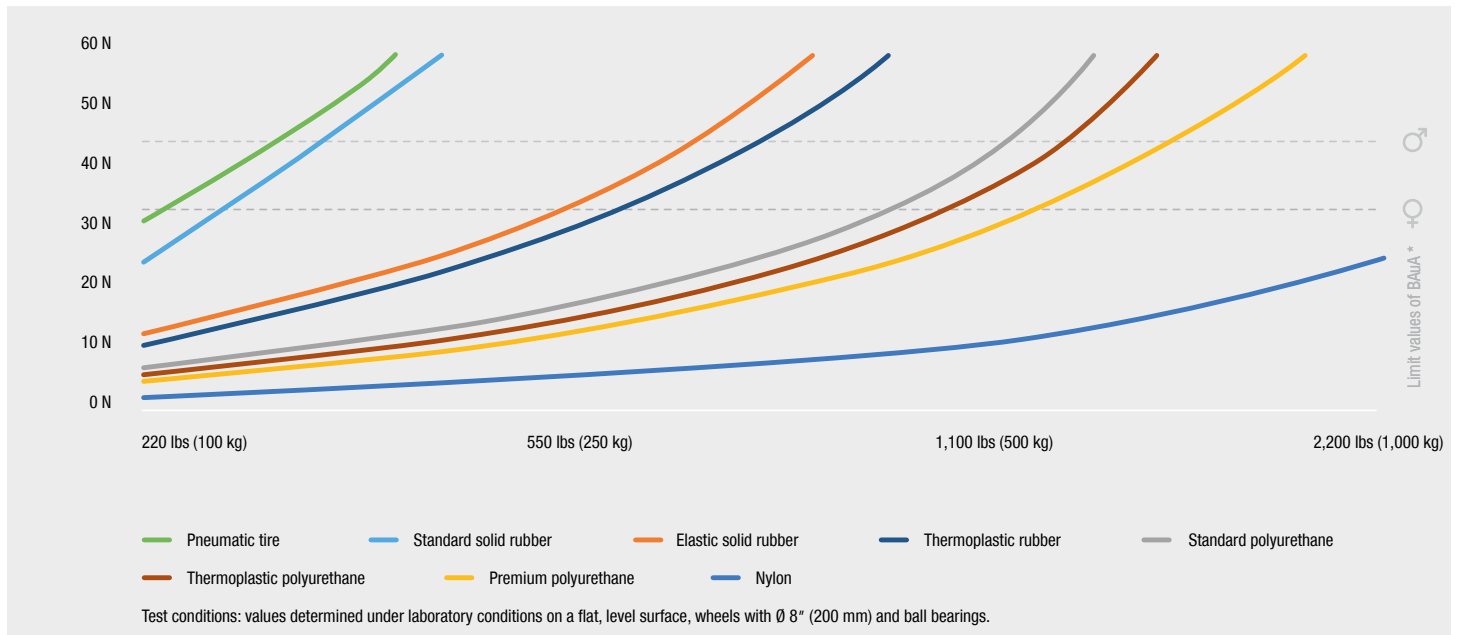
Blickle SoftMotion

- 55 Shore A
- Top performance soft rubber
- Up to 55 % lower rolling resistance compared to standard soft rubber

Blickle EasyRoll

- 65 Shore A
- Top performance rubber
- Up to 65 % lower rolling resistance compared to standard solid rubber

Rolling resistance of various treads



* German Federal Institute for Occupational Safety and Health

Wheels and casters guide

Blickle polyurethane materials – facts & figures at a glance

Hardness. Rebound resilience. Compression set. Resistance to hydrolysis. Flexibility at low temperatures.

Customized for various kinds of applications Blickle has developed four types of polyurethane. Many years of research and development as well as our experience with polyurethane and wheels have made us experts for Softhane®, Besthane® Soft, Extrathane® and Besthane® treads.

Wheels with Vulkollan® treads manufactured in-house complement our product range.

All treads impress with their consistent high quality and very good characteristics. Wheels with Blickle Extrathane® and Blickle Softhane® are also available in antistatic. In addition, all Blickle treads can be supplied in special colors if adequate quantities are ordered and are available with nylon, aluminum and cast iron centers.

Hardness (DIN 53505 / ISO 868):

Hardness has a relevant impact on the smooth rolling performance and operational comfort of a wheel. A soft tread also has a positive effect on ground pressure.

Rebound resilience (DIN 53512 / ISO 4662):

Rebound resilience indicates how much energy is lost through internal friction during the compression/rebound process. The higher the value, the lower the losses and the lower the rolling resistance.

Compression set (DIN 53517 / ISO 815):

Compression set is a measure of the flattening of a wheel under load when it is immobile for a long period.

Resistance to hydrolysis:

Many polyurethanes are not resistant to hydrolysis and are attacked and damaged by water and high levels of air humidity. In order to simulate these conditions, Blickle wheels are exposed to temperatures between Arctic cold and tropical heat and tested in a special climatic chamber.

Flexibility at low temperatures:

The rigidity and hardness of polyurethanes at temperatures below 15 °F (-10 °C) increase significantly. The elasticity of the material is greatly reduced below that temperature, however, polyurethanes will maintain some elasticity down to -20 °F (-30 °C).



Polyurethane material	Blickle Extrathane®	Blickle Softhane®	Blickle Besthane®	Blickle Besthane® Soft	Vulkollan®
Technical data					
Hardness	92 Shore A	75 Shore A	92 Shore A	75 Shore A	92 Shore A
Abrasion resistance	40 mm ³ (2.45x10 ⁻³ in ³)	45 mm ³ (2.75x10 ⁻³ in ³)	40 mm ³ (2.45x10 ⁻³ in ³)	50 mm ³ (3.05x10 ⁻³ in ³)	40 mm ³ (2.44x10 ⁻³ in ³)
Rebound resilience	42 %	57 %	65 %	75 %	52 %
Rolling resistance	0.9 %	1.0 %	0.7 %	0.8 %	0.9 %
Tensile strength	48 N/mm ² (6,960 lbs/in ²)	44 N/mm ² (6,380 lbs/in ²)	46 N/mm ² (6,670 lbs/in ²)	40 N/mm ² (5,800 lbs/in ²)	50 N/mm ² (7,250 lbs/in ²)
Breaking elongation	510 %	520 %	650 %	700 %	615 %
Maximum speed	16 km/h (10 mph)	16 km/h (10 mph)	25 km/h (15.5 mph)	25 km/h (15.5 mph)	25 km/h (15.5 mph)
Application					
High loads	■■■	■■■	■■■	■■■	■■■
Dynamic load capacity (high load at high speed)	■■■	■■■	■■■	■■■	■■■
Continuous use	■■■	■■■	■■■	■■■	■■■
Smooth operation and floor preservation	■■■	■■■	■■■	■■■	■■■
Long immobile periods under heavy loads (see compression set)	■■■	■■■	■■■	■■■	■■■
Flexibility at low temperatures	■■■	■■■	■■■	■■■	■■■
Resistance to chemical substances and UV radiation	■■■	■■■	■■■	■■■	■■■
Hydrolysis resistance	-	-	✓	✓	-
Antistatic versions	✓	✓	-	-	-

■■■ very good ■■■ good ■ limited - no ✓ yes

Made of **VULKOLLAN®** VULKOLLAN® is a registered trademark of Covestro Group

Wheels and casters guide

Environmental factors

Corrosion resistance. Temperature resistance. Electrical conductivity. Chemical resistance.

Corrosion resistance

The surfaces of wheel and caster components have different corrosion resistance levels depending on the surface coating.

Salt spray testing in accordance with DIN EN ISO 9227 is one of the most common test procedures for assessing the corrosion protection of different materials. The parts are corroded using a sprayed salt solution, and the amount of time until the formation of white rust and red rust is measured (in hours).

Surface protection	White rust	Red rust
zinc-plated, blue	~48 h	~96 h
zinc-plated, yellow	~144 h	~240 h
zinc-nickel		~720 h
powder coating		~192 h

The advantage of zinc-plated components is that they retain their corrosion protection despite minor damage. Zinc-plated parts are put through an additional chemical treatment called passivation. Yellow passivation provides greater protection against corrosion than blue passivation.

A zinc-nickel coating prevents the formation of white rust and can resist high temperatures. It can also be passivated and sealed.

Electrostatic powder coating involves spraying the powder used for the coating onto the component and then heating it.



Corrosion-resistant stainless steel is well known for its corrosion resistance. The most commonly used material (1.4301 / AISI 304) is a high-alloyed chromium-nickel steel. Stainless steel ball bearings are made from material 1.4034 / AISI 420.

Temperature resistance



The functionality of a wheel or caster is also dependent on temperature-related factors. The relevant temperature for the tread is a combination of the ambient temperature and the heat generated by friction. The amount of friction depends on the material, shape and load of the tread, as well as the length and surface properties of the distance travelled.

Friction resistance increases slightly at low temperatures. Furthermore, factors like cold and heat can reduce the load capacity and stability of plastics. The load capacity and service life of treads decrease considerably with higher temperatures. High static loads and high temperatures also increase the risk of the wheel flattening. For this reason, Blickle developed special treads and wheel materials that can be used at high temperatures. For more information, please refer to heat-resistant wheels and casters on page 95–97.

The rigidity and hardness of many elastomer treads (particularly rubber and many polyurethane elastomers) increase significantly at low temperatures, while losing a significant amount of their elasticity. However, Blickle does provide polyurethane elastomers that remain elastic and flexible in temperatures down to -20 °F (-30 °C) as a special version. Please contact us for details.

Electrical conductivity



The electrical conductivity of wheels and casters provides protection against electrostatic discharges caused by transport equipment or the transported goods.

A wheel or caster is considered electrically conductive if its resistance does not exceed $10^4 \Omega$ (product code suffix: -EL or -ELS).

A wheel or caster is considered antistatic if its resistance is between 10^5 and $10^7 \Omega$ (product code suffix: -AS).

A wheel or a caster is regarded as electrostatic discharge if its resistance does not exceed $10^9 \Omega$ (product code suffix: -ESD).

The coating can be removed from coated components like rims or wheel centers at the point where the assembly is fixed to the transport equipment to ensure that they are conductive.

Conductivity should be tested by the operator at regular intervals as it can be impacted by dirt on the tread or other environmental factors.

Chemical resistance

Special attention must be given to the chemical resistance of a wheel or caster if they are likely to come into contact with aggressive substances. The table to the right provides reference values that you can use to compare the chemical resistance of different materials to chemical substances. Please note that chemical resistance depends not only on the nature of the aggressive substance but also on how concentrated it is, the duration of contact and other conditions like temperature and air humidity.

Mixtures of different chemicals can have completely different effects than those listed in the table. The information provided is by no means legally binding. Please contact us if you have any questions.

Want to know more on the topic of electrostatic discharge and the matching Blickle wheel series?

Please take a look at the pages 142–155.



Wheels and casters guide

Environmental factors Chemical resistance

+ resistant
0 resistant under certain conditions
x not resistant
L pitting, stress cracks
- no information

	Concentration in %	Rubber	TPE	Nylon	Polypropylene (PP Copo)	Polyurethane (ester) TPU / Extrathane / Softthane / Volkolan	Polyurethane (ether) Besthane / Besthane Soft	Stainless steel (V2A, 1.4301, AISI 304)
1-Propanol		+	0	+	+	0	0	+
Acetaldehyde	40	0	+	0	+	0	+	0(L)
Acetic acid (ethanoic acid)	30	x	0	x	x	x	x	+
Acetone		+	0	+	+	0	x	+
Acrylic acid > 86 °F		-	+	x	+	x	x	-
Alkyl alcohol		+	+	0	+	0	0	+
Alkylbenzenes		x	0	+	0	-	-	+
Aluminium acetate, aqueous		+	+	+	+	x	0	+
Amines, aliphatic		0	0	+	+	x	x	+
Ammonia, aqueous	20	+	+	+	+	x	x	+
Ammonium carbonate, aqueous		+	+	-	+	x	x	+
Ammonium chloride		+	+	-	+	x	x	0(L)
Ammonium hydroxide, aqueous	10	-	+	-	+	x	x	+
Ammonium nitrate, aqueous		0	+	+	+	0	+	+
Ammonium salts		-	-	-	+	-	-	-
Ammonium sulfate, aqueous		0	+	+	+	+	+	+
Amyl acetate, aqueous		0	+	+	0	x	x	+
Aniline (aminobenzene)		x	0	0	+	x	x	+
Beer		+	+	+	+	+	+	+
Benzene		x	x	+	0	+	+	+
Benzol		x	x	+	x	x	x	+
Bitumen		x	0	+	+	+	+	+
Bleaching lye (sodium hypochlorite)	10	x	+	x	0	x	0	0(L)
Borax (sodium tetraborate)		+	+	+	+	+	+	+
Boric acid, aqueous	10	+	+	0	+	0	+	+
Bromine		x	0	x	x	x	x	x
Butter		x	+	+	+	+	+	+
Calcium salts, aqueous		+	+	x	+	0	0	+
Carbolineum		x	-	+	+	x	x	-
Carbon monoxide, dry		0	+	+	0	x	x	+
Carbon tetrachloride		x	x	+	x	x	x	+
Caster oil		+	+	+	+	+	+	+
Caustic potash, aqueous (potassium hydroxide)		0	+	+	+	0	+	+
Caustic soda (sodium hydroxide)		+	+	+	+	x	x	+
Chlorine, hydrogen chloride		x	0	x	x	x	x	x
Chromic acid, aqueous	10	x	0	0	+	x	0	+
Citric acid, aqueous	10	+	+	+	+	+	+	+
Copper chloride, aqueous		+	+	0	+	0	+	x
Copper salts, aqueous	10	-	+	x	+	0	+	-
Cottonseed oil		x	x	+	+	+	+	+
Cresols		x	x	x	0	x	x	+
Crude oil		x	x	+	+	+	+	+
Cyclohexanol (Hexalin, Anol)		0	0	+	0	0	x	+
Cyclohexanone		0	0	+	0	0	x	+
Descaler, aqueous	10	-	-	+	+	0	+	+
Detergent solution, 176 °F		+	+	+	0	x	0	+
Dichlorobenzene		x	x	+	0	x	x	+
Dichloroethene		x	0	-	-	x	x	-
Diethylene glycol		+	+	0	+	0	0	+
Dimethyl ether		0	0	+	x	+	+	+
Dimethylaniline		x	0	0	x	x	x	+
Dimethylformamide		0	+	+	+	x	0	+
Ethanol		+	0	0	+	+	+	+
Ether (Diethylether)		x	0	+	x	+	+	+
Ethyl acetate (acidic ether)		0	0	+	0	x	x	0
Ethylene (ethene)		x	+	0	+	+	+	x
Fatty acids (oleic acids)		x	0	+	+	0	+	+
Flue gas		0	-	-	-	x	x	+
Formaldehyde (methanal)	30	+	+	+	+	0	0	+
Formamide, pure (methanamide)		+	0	+	+	x	x	+
Formic acid	10	0	+	x	+	x	x	+

+ resistant
0 resistant under certain conditions
x not resistant
L pitting, stress cracks
- no information

	Concentration in %	Rubber	TPE	Nylon	Polypropylene (PP Copo)	Polyurethane (ester) TPU / Extrathane / Softthane / Volkolan	Polyurethane (ether) Besthane / Besthane Soft	Stainless steel (V2A, 1.4301, AISI 304)
Furfural (furfuro)		x	x	0	x	x	x	+
Glycol (ethylene glycol)		+	+	0	+	0	0	+
Hexan		x	0	+	0	+	+	+
Hydraulic fluid		x	x	+	0	x	x	+
Hydrochloric acid, aqueous	30	0	+	x	+	x	0	x
Iodine tincture		+	+	x	+	x	x	0(L)
Iron chloride, aqueous	10	0	+	x	+	0	+	x
Iron sulfate (iron vitriol)	10	+	+	0	+	0	+	+
Isopropyl chloride		x	0	+	0	x	x	-
Isopropyl ether (diisopropyl ether)		0	0	x	x	+	+	+
Lactic acid		x	+	x	+	x	x	0
Magnesium salts, aqueous	10	+	+	+	+	0	+	0(L)
Malic acid		0	+	+	+	x	0	+
Mercury chloride, aqueous		+	+	x	+	+	+	0(L)
Methyl alcohol (methanol)		0	+	0	+	+	0	+
Methyl ethyl ketone (butanone)		x	0	+	0	x	x	+
Methylene chloride (dichloromethane)		x	x	x	x	x	x	+
Milk		+	+	+	+	0	+	+
Mineral oils		x	x	+	0	+	+	+
Monobromobenzene (bromobenzene)		x	x	+	0	x	x	+
Mortar, cement, chalk		+	+	+	+	0	0	+
Mustard		-	-	+	+	+	+	0(L)
Naphthalene (mineral naphtha)		x	0	+	0	0	0	+
Nickel chloride, aqueous	10	+	+	0	+	0	+	0(L)
Nickel sulfate, aqueous	10	0	+	0	+	0	+	+
Oleic acid (oleinic acid, fatty acid)		x	0	+	+	0	+	+
Oxalic acid, aqueous	10	0	+	0	+	x	x	0
Ozone		x	0	x	0	+	+	-
Palmitic acid (hexadecanoic acid)		x	0	+	0	0	+	+
Phenylbenzene (biphenyl, dibenzol)		x	x	-	-	x	x	+
Phosphoric acid, aqueous	10	0	+	x	+	0	+	+
Plant oils		x	x	+	0	+	+	+
Potassium chloride, aqueous (sylvin)	10	0	+	+	+	+	+	+
Potassium hydroxide, aqueous (caustic potash, potash lye)		0	+	+	+	0	+	+
Potassium sulfate		+	+	+	+	+	+	+
Propane		x	0	+	+	+	+	+
Road salt (solutions)		+	+	+	+	0	+	0(L)
Skydrol		x	x	+	+	x	x	+
Sodium carbonate, aqueous (soda)	10	+	+	+	+	x	x	+
Sodium chloride, aqueous (table salt)	10	0	+	+	+	0	+	0(L)
Sodium hydroxide, aqueous (caustic soda)	10	+	+	+	+	x	x	+
Sodium phosphate, aqueous	10	+	+	+	+	+	+	+
Sodium silicate, aqueous	10	+	+	+	+	x	0	+
Sodium sulfate, aqueous (Glauber salt)	10	0	+	+	+	0	+	+
Sodium sulfide, aqueous	10	0	+	+	+	0	0	+
Sodium thiosulfate, aqueous (antichlor)	10	0	+	+	+	0	+	0(L)
Stearic acid, aqueous		x	+	+	0	x	+	+
Sulfuric acid		0	+	x	+	x	x	+
Tannic acid	10	+	+	+	+	0	+	+
Tartaric acid, aqueous	10	+	+	0	+	0	+	+
Toluene (methylbenzene)		x	x	+	x	x	x	+
Trichloroethylene		x	x	0	0	x	x	+
Turpentine		x	x	+	x	x	x	+
Uric acid, aqueous	10	+	+	+	+	0	-	0(L)
Urine		+	+	+	+	0	+	0(L)
Vaseline		x	0	+	0	+	+	+
Wastewater		-	-	+	+	0	0	-
Water (seawater)		+	+	+	+	0	0	0(L)
Water up to 176 °F		0	+	+	0	x	+	+
Water, cold		+	+	+	+	+	+	+
Xylene		x	x	+	x	x	x	+
Zinc chloride, aqueous	10	+	+	0	+	x	x	x

Wheels and casters guide

Why doesn't Blickle have a kingpinless caster?

Swivel casters come in three distinct styles: traditional, kingpinless and with the Blickle design. In function they are identical, all providing directional control of the cart. However, this is where the similarity ends; in design and form they are very different:



The idea behind kingpinless casters

Kingpinless casters have no kingpin to fail as in traditional rig designs, but rely on the ball bearings themselves to hold the rig together.

The raceways must still be heat treated to prevent brinelling. This means the tolerances are still loose, allowing the balls to not all be in consistent contact with both raceways. A certain swivel head play is needed for both the assembly of the balls into the raceway and when the rigs are in use, as the closed single ball raceway needs to absorb both forces axial and radial.

Heat treated components are welded together afterwards leading to a softening due to the heat input while welding.

The balls are loose in the swivel head, as no ball retainers are used to avoid high wear and tear of them grinding on each other and the load is not equally shared over all balls and the full raceway, as they are not kept in place.

The idea behind the Blickle LS design

The Blickle LS casters use two hardened steel raceways that are precision machined and ground to ensure a perfect fit up and constant contact of all of the ball bearings:

- ✓ A thrust bearing in the upper raceway in accordance to ISO 104 to share the axial load equally over all balls, as they are kept in place in steel cages.
- ✓ The steel cage also avoids that any balls can drop out in case of failure.
- ✓ This also results in low friction and longer durability to less wear and tear by preventing the bearing balls from grinding on each other.

✓ A tapered roller bearing in accordance to ISO 355 in the lower raceway to take side forces, in particular for high speed applications.

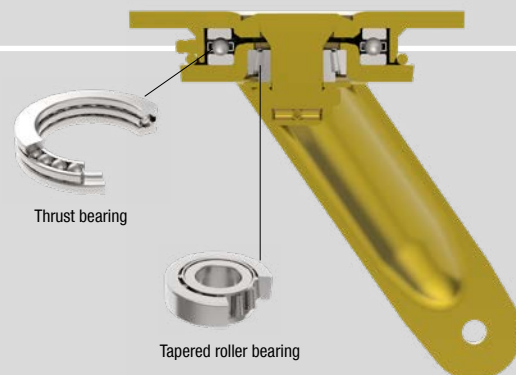
✓ The Blickle caster design allows virtually no play in the raceway due to its pretention of the bearings in the assembly process. This leads to a stronger design and prolonged longevity compared with a kingpinless caster with high tolerances in their design and assembly.

Customer benefits

The kingpinless casters have a high rigidity, a high static load and under a short dynamic durability test good results are achieved.

However, with the two precision bearings in the swivel head and two hardened steel raceways with no tolerances to allow swivel head play due to the pretention of the bearings, the Blickle LS Series offers a significantly longer lifetime, in particular for applications with high mileage to cover.

The ability to use the main features of a kingpin design, a raceway to carry the load and another to carry the thrust loading allows the Blickle LS caster to consistently swivel with less effort under load than a comparable kingpinless caster, allowing the best ergonomic solution while still eliminating the leading causes of caster failure.



Wheels and casters guide

Blickle rig series

Synthetic swivel rig



The dimensions and load capacity of each rigid rig match the corresponding swivel rig. However, the plate size is slightly larger for some rigid casters compared to the corresponding swivel casters.



Series

LWG

Synthetic swivel rig with bolt hole, design caster WAVE

LWGX

Synthetic swivel rig with bolt hole, design caster WAVE

LKDG

Synthetic twin wheel swivel rig, with bolt hole, design caster MOVE

LKDGX

Synthetic twin wheel swivel rig, corrosion-resistant, with bolt hole, design caster MOVE

For wheel Ø	4"-5" (100-125 mm)	4"-5" (100-125 mm)	4"-5" (100-125 mm)	4"-5" (100-125 mm)
Load capacity	up to 245 lbs (110 kg)	up to 245 lbs (110 kg)	up to 275 lbs (125 kg)	up to 275 lbs (125 kg)
Rig structure	high-quality nylon 6, impact resistant, encapsulated, double-sealed, grooved ball bearing in the swivel head, modern, appealing design	high-quality nylon 6, impact resistant, encapsulated, double-sealed, grooved ball bearing in the swivel head, all parts including axle material are corrosion-resistant, modern, appealing design	high-quality nylon 6, impact resistant, two grooved ball bearings in swivel head sealed on both sides, modern, appealing design	high-quality nylon 6, impact resistant, two corrosion-resistant grooved ball bearings in swivel head sealed on both sides, all parts including axle material are corrosion-resistant, modern, appealing design
Surface	silver gray RAL 7001	silver gray RAL 7001	silver gray RAL 7001	silver gray RAL 7001
Swivel head seal	encapsulated, double-sealed, grooved ball bearing	corrosion-resistant, encapsulated, double-sealed, grooved ball bearing	two grooved ball bearings sealed on both sides	two corrosion-resistant grooved ball bearings sealed on both sides
Maintenance under standard conditions	maintenance-free, long-life grease	maintenance-free, long-life grease	maintenance-free, long-life grease	maintenance-free, long-life grease
Temperature resistance	-5 °F to +160 °F (-20 °C to +70 °C) temporarily up to +175 °F (+80 °C)	-5 °F to +160 °F (-20 °C to +70 °C) temporarily up to +175 °F (+80 °C)	-5 °F to +160 °F (-20 °C to +70 °C) temporarily up to +175 °F (+80 °C)	-5 °F to +160 °F (-20 °C to +70 °C) temporarily up to +175 °F (+80 °C)
Fitting types	bolt hole*	bolt hole*	bolt hole*	bolt hole*
Brake systems				
“stop-fix”	✓	✓	✓	✓
“stop-top”				
“central-stop”	✓			
“ideal-stop”				
“Radstop”				
Directional lock			✓	✓
Options	<ul style="list-style-type: none"> Electrically conductive, non-marking (-ELS) Threaded pin Expander fitting (see page 58) Top plate fitting (-P) Stem fitting (-ZA) Central brake system „central-stop“ (-CS11) Special color 	<ul style="list-style-type: none"> Electrically conductive, non-marking (-ELS) Threaded pin Expander fitting (see page 59) Top plate fitting (-PX) Stem fitting (-ZAX) Special color 	<ul style="list-style-type: none"> Electrically conductive, non-marking (-ELS) Threaded pin Stem fitting (-ZA) With combined wheel brake and directional lock (1 x 360°) (-RIF) Special mounting height (LKDGH) 4 3/4" / 5 9/16" (121 / 135 mm) Top plate fitting (-P) 	<ul style="list-style-type: none"> Electrically conductive, non-marking (-ELS) Threaded pin Stem fitting (-ZAX) With combined wheel brake and directional lock (1 x 360°) (-RIF) Special mounting height (LKDGXH) 4 3/4" / 5 9/16" (121 / 135 mm) Top plate fitting (-PX)

* The top plate should be in contact with the mounting surface to maximise load capacity

Wheels and casters guide

Blickle rig series

Pressed steel swivel rig for light-duty casters

✓RoHS



LRA / LKRA

Light-duty swivel rig with bolt hole



LKRXA

Stainless steel light-duty swivel rig with bolt hole



LPA 12 / LKPA 12

Light-duty swivel rig with top plate



LKPXA 12

Stainless steel light-duty swivel rig with top plate

For wheel Ø	1 3/8"–5" (35–125 mm)	3 1/8"–5" (80–125 mm)	1 3/8"–5" (35–125 mm)	3 1/8"–5" (80–125 mm)
Load capacity	up to 330 lbs (150 kg)	up to 265 lbs (120 kg)	up to 330 lbs (150 kg)	up to 265 lbs (120 kg)
Rig structure	pressed steel, double ball bearing in the swivel head, strong central kingpin, minimum swivel head play and smooth rolling characteristic and increased service life due to the special dynamic Blickle riveting process synthetic "stop-fix" brake lever for series LRA, steel brake lever for series LKRA	high-quality chromium-nickel steel (1.4301/AISI 304), stainless steel, double ball bearing in the swivel head, strong central kingpin, minimum swivel head play and smooth rolling characteristic and increased service life due to the special dynamic Blickle riveting process, all parts including axle material are corrosion-resistant, "stop-fix" brake pedal in gray	pressed steel, double ball bearing in the swivel head, strong central kingpin, minimum swivel head play and smooth rolling characteristic and increased service life due to the special dynamic Blickle riveting process synthetic "stop-fix" brake lever for series LPA, steel brake lever for series LKPA	high-quality chromium-nickel steel (1.4301/AISI 304), stainless steel, double ball bearing in the swivel head, strong central kingpin, minimum swivel head play and smooth rolling characteristic and increased service life due to the special dynamic Blickle riveting process, all parts including axle material are corrosion-resistant, "stop-fix" brake pedal in gray
Surface	zinc-plated, blue-passivated, Cr6-free	vibration-ground finishing	zinc-plated, blue-passivated, Cr6-free	vibration-ground finishing
Swivel head seal	ball protection from special design of swivel head	ball protection from special design of swivel head	ball protection from special design of swivel head	ball protection from special design of swivel head
Maintenance under standard conditions	maintenance-free, long-life grease	maintenance-free, long-life grease	maintenance-free, long-life grease	maintenance-free, long-life grease
Temperature resistance	-20 °F to +265 °F (-30 °C to +130 °C)	-20 °F to +265 °F (-30 °C to +130 °C)	-20 °F to +265 °F (-30 °C to +130 °C)	-20 °F to +265 °F (-30 °C to +130 °C)
Fitting types	bolt hole*	bolt hole*	top plate	top plate
Brake systems				
"stop-fix"	✓	✓	✓	✓
"stop-top"				
"central-stop"				
"ideal-stop"				
"Radstop"	✓		✓	
Directional lock				
Options	<ul style="list-style-type: none"> Threaded pin Expander fitting for round and square tubes (see page 58) 	<ul style="list-style-type: none"> Expander fitting for round and square tubes (see page 59) Stainless steel plug-in stem fitting (-ZAX51) 		

* The top plate should be in contact with the mounting surface to maximise load capacity

Wheels and casters guide

Blickle rig series

Pressed steel swivel rig for transport equipment casters



Series

L 12

Pressed steel swivel rig, medium-duty version, with top plate

LER

Pressed steel swivel rig with bolt hole

LEXR

Stainless steel swivel rig with bolt hole

LE 14

Pressed steel swivel rig with top plate

For wheel Ø	2 3/8"–5" (60–125 mm)	2 3/8"–8" (60–200 mm)	4"–8" (100–200 mm)	6"–8" (150–200 mm)
Load capacity	up to 550 lbs (250 kg)	up to 660 lbs (300 kg)	up to 660 lbs (300 kg)	up to 660 lbs (300 kg)
Rig structure	pressed steel, double ball bearing in the swivel head, minimum swivel head play, smooth rolling characteristic and increased service life due to the special dynamic Blickle riveting process	pressed steel, double ball bearing in the swivel head, strong central kingpin, minimum swivel head play, smooth rolling characteristic and increased service life due to the special dynamic Blickle riveting process	high-quality chromium-nickel steel (1.4301/AISI 304), stainless steel, double ball bearing in the swivel head, strong central kingpin, minimum swivel head play, smooth rolling characteristic and increased service life due to the special dynamic Blickle riveting process. All parts including axle material are corrosion-resistant	pressed steel, double ball bearing in the swivel head, minimum swivel head play, smooth rolling characteristic and increased service life due to the special dynamic Blickle riveting process
Surface	zinc-plated, blue-passivated, Cr6-free	zinc-plated, blue-passivated, Cr6-free	vibration-ground finishing	zinc-plated, blue-passivated, Cr6-free
Swivel head seal	ball protection from special design of swivel head	ball protection from special design of swivel head	ball protection from special design of swivel head	sealing ring with integrated ball spacer
Maintenance under standard conditions	maintenance-free, long-life grease	maintenance-free, long-life grease	maintenance-free, long-life grease	maintenance-free, long-life grease
Temperature resistance	-20 °F to +265 °F (-30 °C to +130 °C)	-20 °F to +265 °F (-30 °C to +130 °C)	-20 °F to +265 °F (-30 °C to +130 °C)	-20 °F to +160 °F (-30 °C to +70 °C)
Fitting types	top plate	bolt hole*	bolt hole*	top plate
Brake systems				
"stop-fix"	✓	✓	✓	✓
"stop-top"				✓
"central-stop"				✓
"ideal-stop"				
"Radstop"	✓	✓		
Directional lock	✓			✓
Options		<ul style="list-style-type: none"> • Steel foot guard (-FS) • Synthetic foot guard (-FP) 	<ul style="list-style-type: none"> • Synthetic foot guard (-FP) 	<ul style="list-style-type: none"> • Steel foot guard (-FS)

* The top plate should be in contact with the mounting surface to maximise load capacity

Wheels and casters guide

Blickle rig series

Pressed steel swivel rig for transport equipment casters



Series

LK 14

Pressed steel swivel rig, heavy-duty version, with top plate

LKR

Pressed steel swivel rig, heavy-duty version, with bolt hole

LEX 14

Stainless steel swivel rig with top plate

LKX 14

Stainless steel swivel rig, heavy-duty design, with top plate

For wheel Ø	3 1/8"–5" (80–125 mm)	3"–5" (75–125 mm)	6"–8" (150–200 mm)	4"–5" (100–125 mm)
Load capacity	up to 770 lbs (350 kg)	up to 770 lbs (350 kg)	up to 660 lbs (300 kg)	up to 770 lbs (350 kg)
Rig structure	strong pressed steel, double ball bearing in the swivel head, minimum swivel head play, smooth rolling characteristic and increased service life due to the special dynamic Blickle riveting process	strong pressed steel, double ball bearing in the swivel head, strong central kingpin, minimum swivel head play, smooth rolling characteristic and increased service life due to the special dynamic Blickle riveting process	high-quality chromium-nickel steel (1.4301/AISI 304), stainless steel, double ball bearing in the swivel head, minimum swivel head play, smooth rolling characteristic and increased service life due to the special dynamic Blickle riveting process. All parts including axle material are corrosion-resistant	high-quality chromium-nickel steel (1.4301/AISI 304), stainless steel, double ball bearing in the swivel head, minimum swivel head play, smooth rolling characteristic and increased service life due to the special dynamic Blickle riveting process. All parts including axle material are corrosion-resistant
Surface	zinc-plated, blue-passivated, Cr6-free	zinc-plated, blue-passivated, Cr6-free	vibration-ground finishing	vibration-ground finishing
Swivel head seal	sealing ring with integrated ball spacer	ball protection from special design of swivel head	sealing ring with integrated ball spacer	sealing ring with integrated ball spacer
Maintenance under standard conditions	maintenance-free, long-life grease	maintenance-free, long-life grease	maintenance-free, long-life grease	maintenance-free, long-life grease
Temperature resistance	-20 °F to +160 °F (-30 °C to +70 °C)	-20 °F to +265 °F (-30 °C to +130 °C)	-20 °F to +160 °F (-30 °C to +70 °C)	-20 °F to +160 °F (-30 °C to +70 °C)
Fitting types	top plate	bolt hole*	top plate	top plate
Brake systems				
“stop-fix”	✓	✓	✓	✓
“stop-top”	✓		✓	✓
“central-stop”	✓			
“ideal-stop”			✓	✓
“Radstop”				
Directional lock	✓		✓	✓
Options	<ul style="list-style-type: none"> Steel foot guard (-FS) 	<ul style="list-style-type: none"> Steel foot guard (-FS) 	<ul style="list-style-type: none"> Automatic direction reset device (-RIR2) Washing machine resistant caster (DIN 18867-8) (-GKN) Synthetic foot guard (-FP) 	<ul style="list-style-type: none"> Automatic direction reset device (-RIR2) Washing machine resistant caster (DIN 18867-8) (-GKN) Synthetic foot guard (-FP)

* The top plate should be in contact with the mounting surface to maximise load capacity

Wheels and casters guide

Blickle rig series

Swivel rig for heavy-duty casters



Series

LEH 14

Pressed steel swivel rig, medium-duty version, with top plate

LH 14/16

Pressed steel swivel rig, heavy-duty version, with top plate

LS 16

Heavy-duty welded steel swivel rig, heavy-duty swivel head, with top plate

For wheel Ø	6"–8" (150–200 mm)	2 9/16"–8" (65–200 mm)	4"–10" (100–250 mm)
Load capacity	up to 1,250 lbs (570 kg)	up to 1,980 lbs (900 kg)	up to 2,755 lbs (1,250 kg)
Rig structure	strong pressed steel, double ball bearing in the swivel head, swivel head seal, minimum swivel head play and smooth rolling characteristic and increased service life due to the special dynamic Blickle riveting process, particularly resistant to shocks and impact due to one hardened bearing seat	strong pressed steel, heavy fork and top plate, double ball bearing in the swivel head, particularly resistant to shocks and impact due to four specially-shaped, hardened bearing seats, bolted and secured central kingpin, extremely strong, minimum wear at high load	particularly robust welded steel construction, axial grooved ball bearing ISO 104 and tapered roller bearing ISO 355 in the swivel head, grease nipple, bolted and secured welded central kingpin, extremely strong
Surface	zinc-plated, blue passivated, Cr6-free	zinc-plated, blue-passivated, Cr6-free	zinc-plated, yellow-passivated, Cr6-free
Swivel head seal	sealing ring with integrated ball spacer	ball protection from special design of swivel head	ball protection due to sealing ring and labyrinth design
Maintenance under standard conditions	maintenance-free, long-life grease	maintenance-free, long-life grease	maintenance-free, long-life grease
Temperature resistance	-20 °F to +160 °F (-30 °C to +70 °C)	-20 °F to +265 °F (-30 °C to +130 °C)	-20 °F to +210 °F (-30 °C to +100 °C)
Fitting types	top plate	top plate	top plate
Brake systems			
“stop-fix”	✓	✓	
“stop-top”	✓	✓	✓
“central-stop”			
“ideal-stop”		✓	
“Radstop”			✓
Directional lock	✓	✓	✓
Options	<ul style="list-style-type: none"> • Steel foot guard (-FS) • Truck lock (FF...) 	<ul style="list-style-type: none"> • Steel foot guard (-FS) • Truck lock (FF...) 	<ul style="list-style-type: none"> • Steel foot guard (-FS) • Truck lock (FF...)

Wheels and casters guide

Blickle rig series

Spring-loaded heavy-duty swivel rig



Series

LHF 14/16

Pressed steel swivel rig, heavy-duty design, with steel spring

LSFE 16

Heavy-duty welded steel swivel rig with polyurethane spring

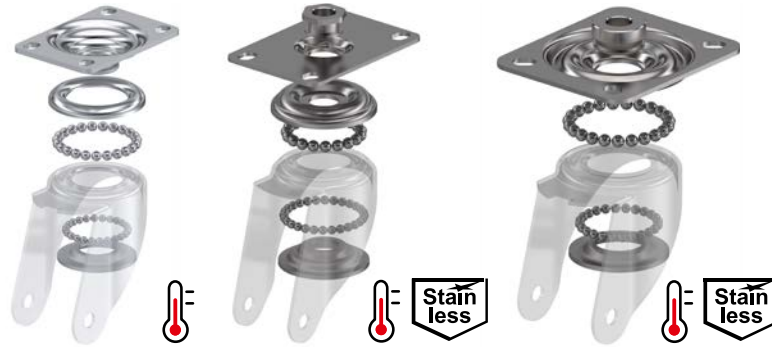
For wheel Ø	4"–8" (100–200 mm)	6 5/16"–8" (160–200 mm)
Load capacity	up to 1,765 lbs (800 kg)	up to 2,200 lbs (1,000 kg)
Rig structure	strong pressed steel, heavy fork and top plate, double ball bearing in the swivel head, particularly resistant to shocks and impact due to four specially-shaped, hardened bearing seats, bolted and secured central kingpin, extremely strong, minimum wear at high load, robust spring structure with steel spring	particularly robust welded steel construction, axial grooved ball bearing ISO 104 and tapered roller bearing ISO 355 in the swivel head, grease nipple, bolted and secured welded central kingpin, extremely strong, elastomer spring for excellent damping properties. Spring characteristics can be adjusted by swapping out the elastomer hinged plate construction
Surface	zinc-plated, blue-passivated, Cr6-free	zinc-plated, yellow-passivated, Cr6-free
Swivel head seal	ball protection from special design of swivel head	ball protection due to sealing ring and labyrinth design
Maintenance under standard conditions	maintenance-free, long-life grease	maintenance-free, long-life grease
Temperature resistance	-20 °F to +265 °F (-30 °C to +130 °C)	-5 °F to +175 °F (-20 °C to +80 °C)
Fitting types	top plate	top plate
Brake systems		
"stop-fix"		
"stop-top"		
"central-stop"		
"ideal-stop"		
"Radstop"	✓	✓
Directional lock		✓
Options	• Different spring tensions	• Different spring tensions

Wheels and casters guide

Blickle rig series

Heat-resistant pressed steel swivel rig

✓RoHS



Series

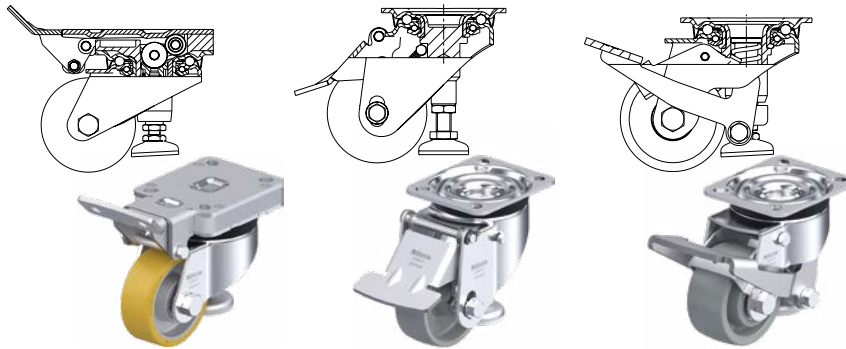
<p>LI Heat-resistant pressed steel swivel rig with top plate</p>	<p>LIKPYA 12 Medium duty heat-resistant stainless steel swivel rig with top plate</p>	<p>LIX Heat-resistant stainless steel swivel rig with top plate</p>
---	--	--

For wheel Ø	4"-5" (100-125 mm)	4"-5" (100-125 mm)	4"-5" (100-125 mm)
Load capacity	up to 330 lbs (150 kg)	up to 260 lbs (120 kg)	up to 330 lbs (150 kg)
Rig structure	pressed steel, double ball bearing in the swivel head, smooth rolling characteristic and increased service life due to the special dynamic Blickle riveting process used for the swivel head. Swivel head play is set specifically for high-temperature applications	high-quality chromium-nickel steel (1.4301/AISI 304), stainless steel, double ball bearing in the swivel head, strong central kingpin, smooth rolling characteristic and increased service life due to the special dynamic Blickle riveting process used for the swivel head. Swivel head play is set specifically for high-temperature applications. All parts including axle material are corrosion-resistant, with highly heat resistant grease	high-quality chromium-nickel steel (1.4301/AISI 304), stainless steel, double ball bearing in the swivel head, strong central kingpin, smooth rolling characteristic and increased service life due to the special dynamic Blickle riveting process used for the swivel head. Swivel head play is set specifically for high-temperature applications. All parts including axle material are corrosion-resistant
Surface	zinc-plated, blue-passivated, Cr6-free*	vibration-ground finished	vibration-ground finishing
Swivel head seal	ball protection from special design of swivel head	ball protection from special design of swivel head	ball protection from special design of swivel head
Maintenance under standard conditions	maintenance-free, long-life grease	maintenance-free, long-life grease	maintenance-free, long-life grease
Temperature resistance	-30 °F to +520 °F (-35 °C to +270 °C) temporarily up to +570 °F (+300 °C)	-30 °F to +520 °F (-35 °C to +270 °C) temporarily up to 570 °F (+300 °C)	-30 °F to +520 °F (-35 °C to +270 °C) temporarily up to +570 °F (+300 °C)
Fitting types	top plate	top plate	top plate
Brake systems			
"stop-fix"	✓	✓	✓
"stop-top"			
"central-stop"			
"ideal-stop"			
"Radstop"			
Directional lock			
Options	<ul style="list-style-type: none"> • PTFE coated stainless steel spanner (-XAT) 	<ul style="list-style-type: none"> • PTFE coated stainless steel spanner (-XAT) 	<ul style="list-style-type: none"> • Grease-free swivel head (-OF) • PTFE coated stainless steel spanner (-XAT)

* Passivation may be altered slightly in high temperatures, corrosion protection will remain unaffected

Wheels and casters guide

Blickle levelling casters overview Standard versions



Series

HRLK

Levelling caster, pressed steel swivel rig with fixed operating lever, with top plate fitting

HRLK...-F

Levelling caster, pressed steel swivel rig with fixed lock and height-adjustable wheel, with top plate fitting

HRLK...-HN

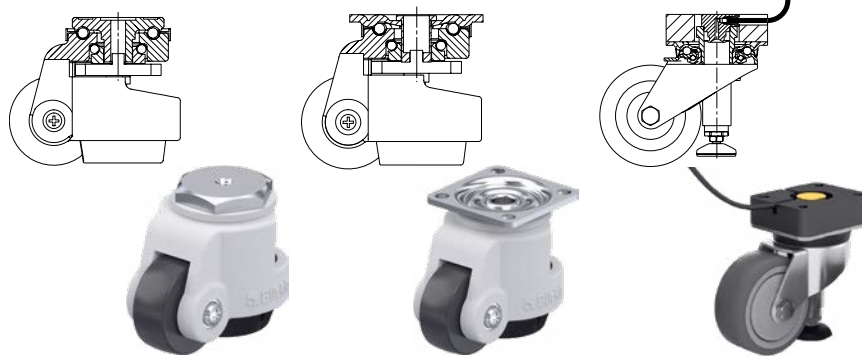
Levelling caster, pressed steel swivel rig with swivelling operating lever, with top plate fitting

For wheel Ø	3 1/8"–4" (80–100 mm)	3 1/8" (80 mm)	3 1/8" (80 mm)
Load capacity	up to 660 lbs (300 kg)	up to 330 lbs (150 kg)	up to 550 lbs (250 kg)
Rig structure	strong pressed steel, double ball bearing in the swivel head, minimum swivel head play, smooth rolling characteristic and increased service life due to the special dynamic Blickle riveting process, steel truck lock, height adjustment with lever	strong pressed steel, double ball bearing in the swivel head, minimum swivel head play, smooth rolling characteristic and increased service life due to the special dynamic Blickle riveting process, steel truck lock, height adjustment with swivelling operating lever	strong pressed steel, double ball bearing in the swivel head, minimum swivel head play, smooth rolling characteristic and increased service life due to the special dynamic Blickle riveting process, steel truck lock, height adjustment with swivelling operating lever
Surface	zinc-plated, blue-passivated, Cr6-free	zinc-plated, blue-passivated, Cr6-free	zinc-plated, blue-passivated, Cr6-free
Swivel head seal	sealing ring with integrated ball spacer	sealing ring with integrated ball spacer	sealing ring with integrated ball spacer
Maintenance under standard conditions	maintenance-free, long-life grease	maintenance-free, long-life grease	maintenance-free, long-life grease
Temperature resistance	-20 °F to +160 °F (-30 °C to +70 °C)	-20 °F to +160 °F (-30 °C to +70 °C)	-20 °F to +160 °F (-30 °C to +70 °C)
Fitting types	top plate	top plate	top plate
Operating the lifting function	foot operated simple lever	foot operated simple lever	foot operated simple lever
Adjustment of mounting height in stationary operation	possible	possible	possible
Height adjustment for dynamic operation	–	–	–
Performing a change of location	■ ■ ■ ■ ■ frequent	■ ■ ■ ■ ■ occasional	■ ■ ■ ■ ■ occasional
Stability	■ ■ ■ ■ ■ good	■ ■ ■ ■ ■ excellent	■ ■ ■ ■ ■ good
Directional lock			
Special features	<ul style="list-style-type: none"> Ergonomic lever Fixed position lever for ease of use High floor clearance in the travel position 	<ul style="list-style-type: none"> Very good stability Low force required to engage the levelling caster Lever can be pivoted under the edge of the unit 	<ul style="list-style-type: none"> Low force required to release and activate the truck lock Operating lever can be pivoted under the edge of the unit High floor clearance in the travel position

Wheels and casters guide

Blickle levelling casters overview

Additional versions available on demand



Series

HRIG

Levelling caster swivel rig with bolt hole (female thread)

HRP / HRSP

Levelling caster swivel rig with top plate

HRLK...-HYD

Levelling caster pressed steel swivel rig, medium-duty version for hydraulic levelling caster set

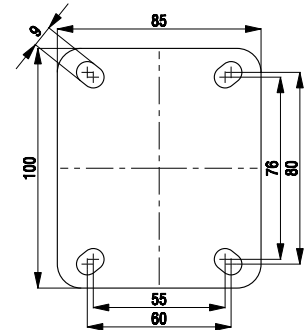
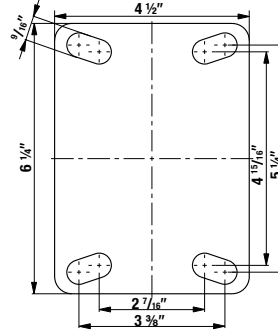
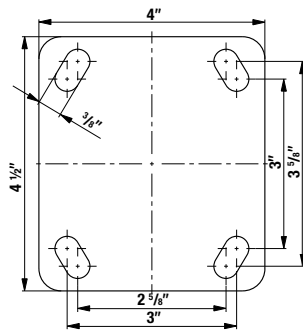
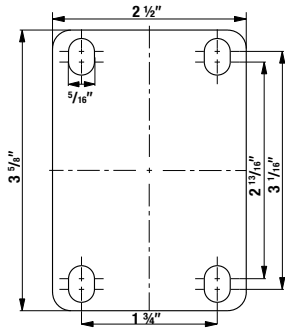
For wheel Ø	1 3/4"–2 13/16" (45–72 mm)	1 3/4"–3 9/16" (45–90 mm)	4" (100 mm)
Load capacity	up to 1,655 lbs (750 kg)	4,410 lbs (2,000 kg)	up to 1,655 lbs (750 kg) – set
Rig structure	die-cast aluminum, high-quality ball bearing in the swivel head, hexagonal steel top plate, truck lock made of hard rubber, height adjustment using wrench or integrated adjustment wheel	die-cast aluminum, high-quality ball bearing in the swivel head, steel top plate, truck lock made of hard rubber (HRSP: truck lock made of aluminum), height adjustment using wrench or integrated adjustment wheel, series HRSP with wrench only	strong pressed steel, double ball bearing in the swivel head, minimum swivel head play and smooth rolling characteristic and increased service life due to the special dynamic Blickle riveting process, steel truck lock with base plate made of thermoplastic rubber-elastomer
Surface	powder-coated	powder-coated	zinc-plated, blue-passivated, Cr6-free
Swivel head seal	sealing ring	sealing ring	sealing ring with integrated ball spacer
Maintenance under standard conditions	maintenance-free, long-life grease	maintenance-free, long-life grease	maintenance-free, long-life grease
Temperature resistance	+15 °F to +195 °F (-10 °C to +90 °C)	+15 °F to +195 °F (-10 °C to +90 °C)	+30 °F to +105 °F (0 °C to +40 °C)
Fitting types	bolt hole (female thread)*	top plate	top plate
Operating the lifting function	adjustment wheel or open-ended spanner	adjustment wheel (HRP series) or open-ended spanner (HRP/HRSP series)	hydraulic pump with folding hand crank
Adjustment of mounting height in stationary operation	✓	✓	✓
Height adjustment for dynamic operation	–	–	–
Performing a change of location	■ ■ ■ ■ ■ rarely	■ ■ ■ ■ ■ rarely	■ ■ ■ ■ ■ frequent
Stability	■ ■ ■ ■ ■ good	■ ■ ■ ■ ■ good	■ ■ ■ ■ ■ very good
Directional lock		✓	
Special features	<ul style="list-style-type: none"> The top plate should be in contact with the mounting surface to maximise load capacity 	<ul style="list-style-type: none"> Compact mounting height 	<ul style="list-style-type: none"> Centralised, synchronised and ergonomic lifting of four levelling casters by means of a hydraulic pump Low-noise activation Very low force required High floor clearance in the travel position

* The top plate should be in contact with the mounting surface to maximise load capacity

Wheels and casters guide

Blickle rig series

Top plate fitting



dimensions in mm

Plate No. 12



Plate No. 14



Plate No. 16



Plate No. 1



Used in rig series:

LKPA / BKPA:	Wheel Ø	2"-5"
LKPXA / BKPXA:	Wheel Ø	3 1/8"-5"
L / B:	Wheel Ø	2 3/8"-5"
LI / B:	Wheel Ø	4"-5"
LIKPA:	Wheel Ø	4"-5"

Used in rig series:

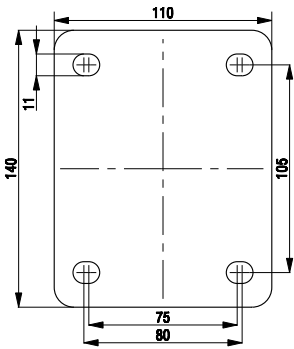
LK / BKS:	Wheel Ø	3 1/8"-5"
LKX / BKSX:	Wheel Ø	4"-5"
LE / BES:	Wheel Ø	3 1/8"-8"
LEX / BESX:	Wheel Ø	6"-8"
LEH / BEHS:	Wheel Ø	6"-8"
LH / BHS:	Wheel Ø	3 1/8"-5"
LHF / BHF:	Wheel Ø	4"-5"

Used in rig series:

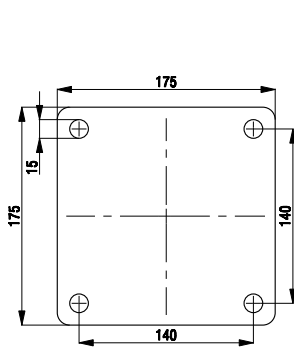
LH / BHS:	Wheel Ø	6"-8"
LS / BS:	Wheel Ø	4"-10"
LHF / BHF:	Wheel Ø	6"-8"
LSFE / BSFE:	Wheel Ø	6"-8"

Used in rig series:

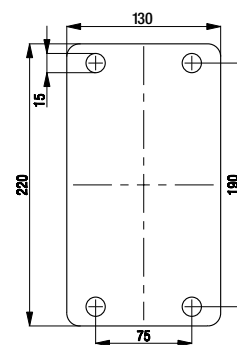
LIX / BX:	Wheel Ø	4"-5"
HLK:	Wheel Ø	3 1/8"-4"



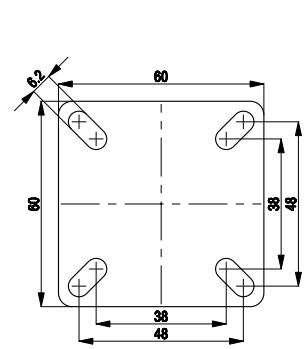
dimensions in mm



dimensions in mm



dimensions in mm



dimensions in mm

Plate No. 3



Plate No. 7



Plate No. 9



Plate No. 22



Used in rig series:

L / B:	Wheel Ø	8"
--------	---------	----

Used in rig series:

L:	Wheel Ø	10"
----	---------	-----

Used in rig series:

B:	Wheel Ø	10"
----	---------	-----

Used in rig series:

LPA:	Wheel Ø	1 3/8"
------	---------	--------

Wheels and casters guide

Versions / options

Wheel and swivel head brake

Blickle wheel and swivel head brake

Brake systems prevent swivel casters from rolling or swiveling when at a standstill (wheel and swivel head brake).

“Leading”, “trailing”, “fixed” and “central” brake systems are used.

“Leading” brake systems are located on the front relative to the running direction. “Trailing” brake systems are fitted to the rear of the casters.

“Fixed” brake systems do not rotate with the swivel head and the pedal always remains in the same position.

“Central” brake systems use a single lever to brake two or more casters on a transport equipment.

A brake system should be selected after careful consideration of user-friendliness, installation conditions and user-specific accident prevention measures.

Brake forces will be reduced when using a wheel with a very soft tread / tire.

Blickle brakes

The difference between a locking system and a brake is that a locking system is used to fix the vehicle in place when at a standstill.

A brake can be used while a transport equipment is in motion to reduce its speed. Brakes can usually also be used as locks.



Blickle “stop-fix” wheel and swivel head brake

(product code suffix: -FI)

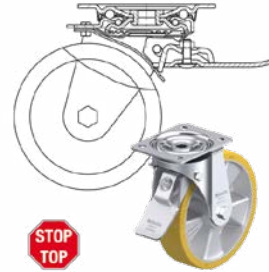
For light-duty, transport equipment and heavy-duty casters

This trailing brake system uses positive locking to prevent the rotation of the swivel head. The wheel is locked using a non-positive, stable brake mechanism designed for maximum safety and a long service life.

The swivel head is locked in place by pressing a brake spring in a toothed ball disc. The wheel is also blocked due to the specialised design of the spring.

The holding pressure can be adjusted for rig series LK and LKX from wheel Ø 5" x 2" (125 x 50 mm) and LH.

This brake system was designed to minimise the swivel radius.



Blickle “stop-top” wheel and swivel head brake

(product code suffix: -ST)

For transport equipment and heavy-duty casters

This leading brake system uses non-positive locking to prevent the rotation of the swivel head. The wheel is locked using a non-positive, stable brake mechanism designed for maximum safety and a long service life.

The holding pressure can be adjusted.

The swivel radius of the pedal is normally within the swivel range of the wheel.



Blickle “ideal-stop” wheel and swivel head brake

(product code suffix: -IS)

For transport equipment and heavy-duty casters

The pedal of this “fixed” brake system always remains in the same position instead of pivoting with the swivel caster. The non-positive system prevents the rotation of the swivel head. For certain caster series and sizes, both non-positive and positive locking is used.

The wheel is locked using a non-positive thread lock mechanism that is designed for maximum stability, safety and a long service life. The holding pressure can be adjusted for the transport equipment caster series LK from wheel Ø 5" x 2" (125 x 50 mm) and LH from wheel Ø 6 5/16" (160 mm).

The pedal for the “ideal-stop” comes with two holes as standard. This makes it possible to connect two swivel casters together and operate their two break pedals simultaneously.

Casters in the rig series LK and LH with this locking system have a total height that is 49/64" (17 mm) higher than casters that do not use the “ideal-stop” system. A synthetic adapter plate (product code: AP3-17) is available to compensate for the height difference for casters without the brake system. See “versions / options” on the relevant pages.

Wheels and casters guide

Versions / options

Wheel and swivel head brake



Blickle “central-stop” central brake system

(product code suffix: -CS...)

For transport equipment casters series LE and LK

This brake system uses non-positive locking to prevent the rotation of the swivel head. The wheel is locked using a non-positive, stable brake mechanism designed for maximum safety and a long service life.

The distinguishing feature of this brake system is that two or more casters on the transport equipment can be locked at the same time using a lever. The length of the pedal can be adjusted to ensure that the brake can be released and activated comfortably. A further feature is the small operating angle and the space-saving structure of the cam housing. The cam housing does not rotate with the swivel caster.



Blickle “central-stop” central brake system

(product code suffix: -CS...)

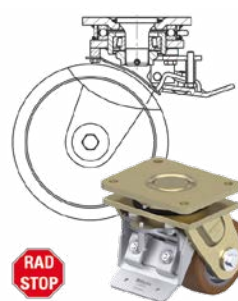
For transport equipment and heavy-duty casters series L and LH

This brake system uses non-positive locking to prevent the rotation of the swivel head. This non-positive swivel head locking is supported by a positive locking system.

The wheel is locked using a non-positive, stable brake mechanism designed for maximum safety and a long service life. The distinguishing feature of this brake system is that two or more casters on the transport equipment can be locked at the same time using a lever.

The length of the pedal can be adjusted to ensure that the brake can be released and activated comfortably. A further feature is the small operating angle and the space-saving structure of the cam housing. The cam housing does not rotate with the swivel caster.

The holding pressure can be adjusted.



Blickle “Radstop” thread lock

(product code suffix: -RA)

For heavy-duty casters (foot-activated), light-duty and compact casters

This brake system uses a non-positive wheel locking mechanism that is designed for maximum simplicity, stability, safety and a long service life. The thread lock is foot operated and creates extremely high brake forces to secure even the heaviest loads. The system brakes both wheels in a twin wheel caster system.

The Radstop is used as a leading brake system for heavy-duty casters and as a trailing brake system for light-duty and compact casters.



Blickle “Radstop” thread lock

(product code suffix: -RAH)

For heavy-duty casters (operated by hand)

This brake system uses a non-positive wheel locking mechanism that is designed for maximum simplicity, stability, safety and a long service life. The thread lock is operated by hand and creates extremely high brake forces to secure even the heaviest loads. The system brakes both wheels in a twin wheel caster system.

Wheels and casters guide

Versions / options

Brakes / truck locks / jacks



Blickle drum brake

(product code suffix: -TB / -TBL / -TBR)

This brake works by pressing two brake shoes integrated into the wheel against the cast wheel center, which acts as the brake drum. The drum brake provides a high level of braking performance even though only a small amount of force is required to activate it. The brake can be operated with a variety of controls, such as a lever arm or cable pull. Left-handed (product code suffix: -TBL) and right-handed (product code suffix: -TBR) versions are available for drum brakes. The enclosed rig ensures that the brake shoes are largely protected against corrosion and dirt. This ensures that braking performance remains consistent regardless of moisture and contamination in the area.



Blickle dead man's brake

(product code suffix: -TML / -TMR)

A dead man's brake is similar to a drum brake, but uses an integrated spring for braking when the brake lever is not engaged. The brake can be released using a lever arm or cable pull. Left-handed (product code suffix: -TML) and right-handed (product code suffix: -TMR) versions are available for dead man's brakes. Dead man's brakes are also available for swivel casters. For dead man's brakes without swivel head brake with product code suffix -TM13 and for dead man's brakes with swivel head brake with product code suffix -TTM13. See page 100–101.



Blickle truck lock

(product code: FF...)

Truck locks keep transport equipment in a resting position. They are attached directly to the transport equipment. Operating the pedal takes some of the load off the transport equipment without raising it up. When operated, the truck lock deflects by approximately $\frac{3}{8}$ " (10 mm). The maximum surface contact pressure in combination with suitable swivel and rigid casters amounts to approx. 130 lbs (60 kg). Zinc-plated, blue-passivated, Cr6-free.

Product code	Total height unactuated (H0) [inch (mm)]	Total height actuated (H1) [inch (mm)]
FF 100-1	4 $\frac{1}{4}$ (108)	5 $\frac{7}{16}$ (138)
FF 125-1	5 $\frac{9}{16}$ (142)	7 $\frac{1}{16}$ (180)
FF 125	5 $\frac{9}{16}$ (142)	7 $\frac{1}{16}$ (180)
FF 150	6 $\frac{11}{16}$ (170)	8 $\frac{3}{16}$ (208)
FF 160	6 $\frac{7}{8}$ (175)	8 $\frac{3}{8}$ (213)
FF 200	8 $\frac{9}{16}$ (217)	10 $\frac{1}{16}$ (255)

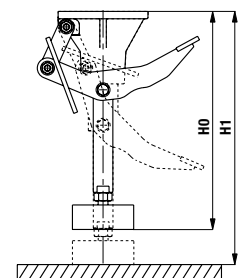
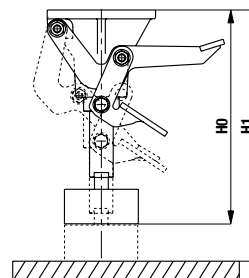


Blickle jack

(product code: -WH...)

Blickle jacks are used to raise transport equipment up in their resting position. They are attached directly to the transport equipment. Actuating the pedal raises the transport equipment up. Jacks can be combined with a wide range of caster series. Jacks perform at their best when the total height of the actuated jack (H1) exceeds the total height of the rigid and swivel casters by $\frac{3}{16}$ " (5 mm). Depending on the weight of the operator, they can provide a lifting force of between 330 lbs (150 kg) and 550 lbs (250 kg). The vertical load on the jack must not exceed 1,100 lbs (500 kg) when raised.

Product code	Total height unactuated (H0) [inch (mm)]	Total height actuated (H1) [inch (mm)]
WH 160	6 $\frac{9}{16}$ (166)	8 $\frac{1}{4}$ (209)
WH 200	8 $\frac{1}{8}$ (207)	10 (250)
WH 250	10 $\frac{1}{8}$ (257)	12 (300)



Wheels and casters guide

Versions / options

Directional lock



Blickle swivel lock for pressed steel swivel casters

(product code: RL...)



Blickle swivel lock for welded steel swivel casters

(product code suffix: -RI4)



Blickle swivel lock for heavy-duty swivel casters

(product code suffix: -RI4H)



Blickle swivel lock and total lock for synthetic swivel casters

(product code suffix: -RIFI)

Directional locks fix a swivel caster in predefined directions. When the swivel lock is activated, the swivel caster acts like a rigid caster. This swivel lock is foot operated and is provided as a separate part and is installed together with the swivel caster. It can also be installed later as there is no need to make structural changes to the swivel caster rig. This option is available for a wide range of swivel caster series. Please refer to the "versions / options" section on the relevant pages for more information.

Directional locks fix a swivel caster in predefined directions. When the swivel lock is activated, the swivel caster acts like a rigid caster. This swivel lock is foot operated and is an integrated unit welded to the top plate. It can be used for customer-specific fixing positions in addition to the standard 90° position (product code suffix: -RI4, four fixing positions). This version is robust and designed for use with heavy duty casters. This option is available for a wide range of heavy duty welded steel swivel casters. Please refer to the "versions / options" section on the relevant pages for more information.

Directional locks fix a swivel caster in predefined directions. When the swivel lock is activated, the swivel caster acts like a rigid caster. This swivel lock is hand operated and is a unit integrated with the top plate. This swivel lock provides four fixing positions (90°) using a locking bolt. This version is extremely robust and designed for use with heavy-duty casters. This option is available for a wide range of heavy-duty welded steel swivel casters. Please refer to the "versions / options" section on the relevant pages for more information.

A combination swivel lock and total lock is available for casters in the Blickle MOVE series with a wheel diameter of 5" (125 mm). This trailing brake system is operated with adjacent yet separate color coded foot levers. The left lever activates the full locking system. The right lever activates solely the swivel lock. This trailing brake system initially uses positive locking to prevent the rotation of the swivel head. The swivel head is locked by locking a brake spring in a toothed ball disc. In the second stage, the wheel is locked using a non-positive brake mechanism. **Installation advice:** When mounting the caster to the trolley, the swivel lock should be activated and the caster must be oriented in the driving direction. This means, the swivel lock will only engage when the caster is facing the required direction of travel.

Directional locks detail



Wheels and casters guide

Versions / options



Automatic direction reset device

(product code suffix: -RIR2)

Direction reset devices point a swivel caster in a pre-defined direction in an unloaded state. This mechanism reduces issues that affect the handling of transport equipment used in automated facilities and loading and unloading areas. The RIR2 mechanism is designed for an increased service life. Special versions are available to provide tailored holding forces and mounting options.



Thread guard

(product code suffix: -FA or "KA" / "KF" in the product code)

The thread guard discs are made from zinc-plated, blue-passivated, Cr6-free pressed steel (product code suffix: -FA) or by using plastic injection moulding ("KA" or "KF" in the product code). They prevent threads wrapping around the wheel axle and blocking the wheels. In the "KA" version, the thread guard encompasses the wheel hub. In the "KF" version, the thread guard covers both the hub and the central bar of the wheel. This option is available for a wide range of swivel and rigid caster series. Please refer to the "versions / options" section on the relevant pages for more information.



Foot guard

(product code suffix: -FS, -FP and -FG)

The foot guard is made from zinc-plated, blue-passivated, Cr6-free pressed steel (product code suffix: -FS). For welded steel casters (LS series), the foot guard is a robust welded structure. For corrosion-resistant stainless steel casters, the foot guard is made of an impact-resistant synthetic material (polyethylene, product code suffix: -FP). The foot guard is bolted or welded onto the rig and prevents foot injuries. It is normally $\frac{3}{16}$ " to 1" (15 to 25 mm) away from the floor. A special version can be provided to ensure a different distance from the floor. Spring-loaded, zinc-plated, blue-passivated, Cr6-free versions (product code suffix: -FG) are also available. This option is available for a wide range of swivel and rigid caster series. Please refer to the "versions / options" section on the relevant pages for more information.



PTFE coated stainless steel spanner

(product code: XAT...)

The PTFE coated stainless steel spanner consists of a stainless steel spanner and a PTFE coating. When rotating and under load, the PTFE coating expands onto the inside of the plain bore of the wheel. This provides the desired pairing (PTFE / stainless steel) with outstanding sliding characteristics. It also reduces noise emissions. This option is available for a wide range of heat-resistant wheel series.

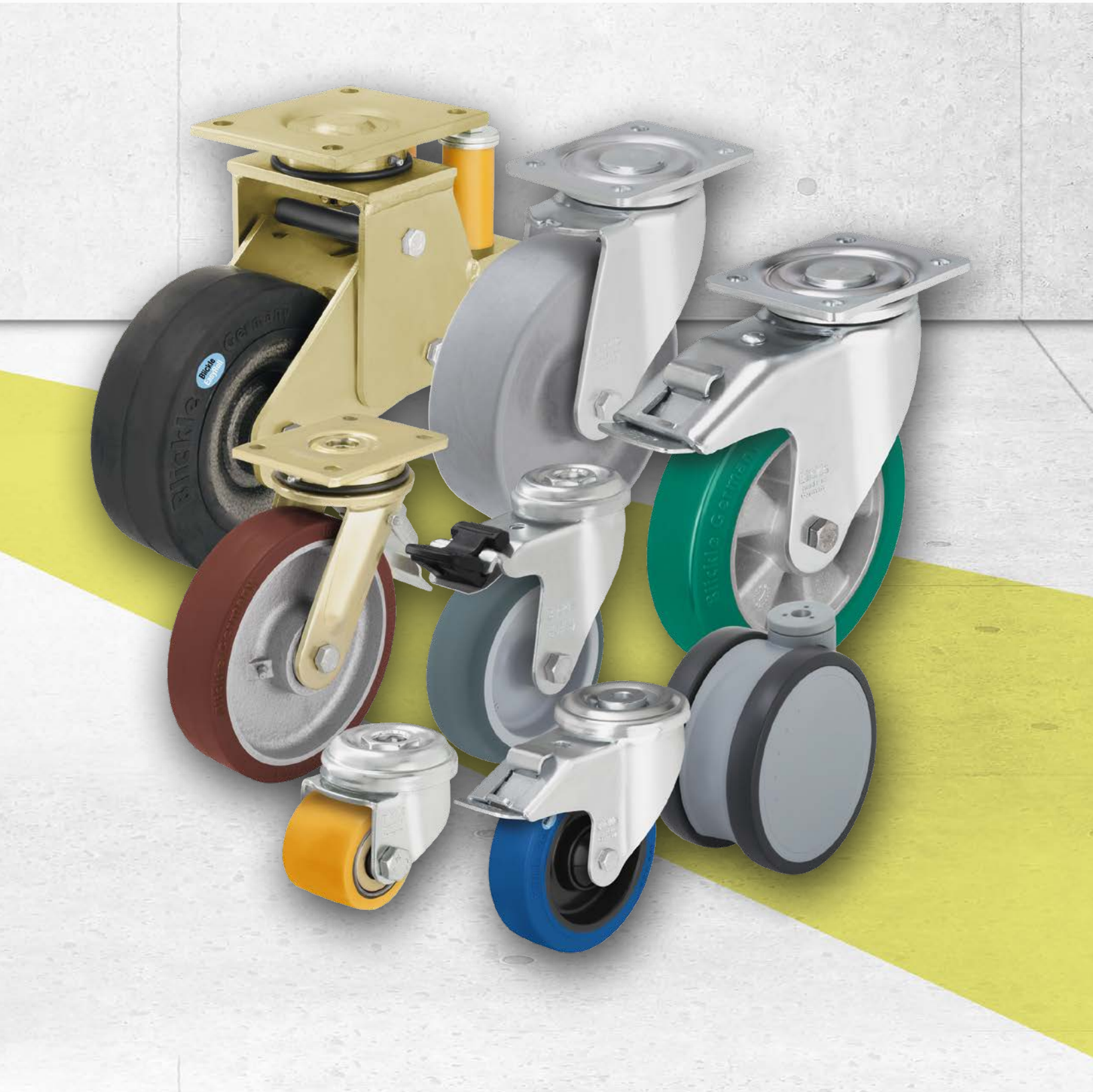
Spring-loaded foot guard



Table of Contents

	Blickle Series		up to	Page
1	LWG/LWGX	Blickle WAVE synthetic casters with hollow kingpin	245 lbs	50
	LKDG/LKDGX	Blickle MOVE twin synthetic casters with hollow kingpin	275 lbs	51
2	LRA	Light-duty casters with hollow kingpin for 3/8" mounting bolt	220 lbs	52–53
	LKRA	Light-duty casters with hollow kingpin for 1/2" mounting bolt	330 lbs	54–55
	LKRXA	Stainless steel light-duty casters with hollow kingpin	265 lbs	56–57
	LPA/LKPA-12	Light-duty casters with top plate	330 lbs	60–61
	LKPXA-12	Stainless steel light-duty casters with top plate	265 lbs	62–63
3	L-12/L	Pressed steel casters, medium-duty version, with top plate	990 lbs	64–67
	LER	Pressed steel casters with hollow kingpin	660 lbs	68–69
	LEXR	Stainless steel casters with hollow kingpin	660 lbs	70–71
	LE/LK-14	Pressed steel casters with top plate	770 lbs	72–74
	LKR	Pressed steel casters, heavy-duty design, with hollow kingpin	770 lbs	75–77
	LKX/LEX-14	Stainless steel casters with top plate	770 lbs	78–80
	LEH-14	Medium-duty pressed steel casters with top plate	1,250 lbs	81–84
4	LH-14/16	Pressed steel casters, heavy-duty design, with top plate	1,980 lbs	85–88
	LS-16	Welded steel heavy-duty casters, heavy-duty swivel head	2,755 lbs	89–92
5	LHF 14/16	Pressed steel casters, heavy-duty design, with steel spring	1,765 lbs	93
	LSFE-16	Welded steel heavy-duty casters with polyurethane spring	2,205 lbs	94
6	LI-12	Heat-resistant pressed steel casters with top plate	330 lbs	95
	LIKPXA-12	Heat-resistant stainless steel institutional casters with top plate	260 lbs	96
	LIX	Heat-resistant stainless steel casters with top plate	330 lbs	97
7	HRLK	Levelling casters with integrated truck lock	660 lbs	98–99
8	L/B-TTM	Drum and Dead Man's brake rigid and swivel casters	1,320 lbs	100–101

Caster section

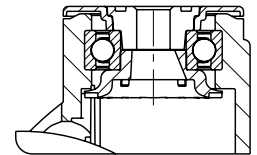


LWG/LWGX-TPA series

Blickle WAVE synthetic casters with hollow kingpin, color silver gray, wheel with thermoplastic rubber tread



LWG-TPA



220–245 lbs

-5 °F to +140 °F RoHS

Rig: LWG/LWGX series

- High-quality nylon 6, impact resistant
- Encapsulated, double-sealed, grooved ball bearing in the swivel head
- Hollow kingpin
- Color silver gray RAL 7001
- Modern, appealing design
- LWGX series: All parts including axle material are corrosion-resistant

Wheel: TPA series

- Tread: High-quality thermoplastic rubber-elastomer (TPE), hardness 85 Shore A, color gray, non-marking, oil containing
- Wheel center: High-quality polypropylene, impact resistant, color silver gray RAL 7001

Other features:

- The load capacity reduces at ambient temperatures above +85 °F

Additional details:

- Rig series: page 33
- Brakes: page 43–44
- Wheel series: page 107
- Bearing types: page 21

Swivel casters	Swivel casters with "stop-fix" brake	Wheel Ø		Wheel width		Load capacity		Bearing type	Total height		Plate Ø	For mounting bolt [inch]	Swivel lead [inch]
		[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]		[inch]	[mm]			
LWG-TPA series													
LWG-TPA 101G	LWG-TPA 101G-FI	4	100	1 1/4	32	220	100	plain bore	5 9/16	135	2 3/16	1/2	1 1/2
LWG-TPA 101KF	LWG-TPA 101KF-FI	4	100	1 1/4	32	220	100	ball bearing (C)	5 9/16	135	2 3/16	1/2	1 1/2
LWG-TPA 126G	LWG-TPA 126G-FI	5	125	1 1/4	32	245	110	plain bore	6 3/16	160	2 3/16	1/2	1 9/16
LWG-TPA 126KF	LWG-TPA 126KF-FI	5	125	1 1/4	32	245	110	ball bearing (C)	6 3/16	160	2 3/16	1/2	1 9/16
LWGX-TPA series – corrosion-resistant													
LWGX-TPA 101G	LWGX-TPA 101G-FI	4	100	1 1/4	32	220	100	plain bore	5 9/16	135	2 3/16	1/2	1 1/2
LWGX-TPA 101XKF	LWGX-TPA 101XKF-FI	4	100	1 1/4	32	220	100	ball bearing (C)	5 9/16	135	2 3/16	1/2	1 1/2
LWGX-TPA 126G	LWGX-TPA 126G-FI	5	125	1 1/4	32	245	110	plain bore	6 3/16	160	2 3/16	1/2	1 9/16
LWGX-TPA 126XKF	LWGX-TPA 126XKF-FI	5	125	1 1/4	32	245	110	ball bearing (C)	6 3/16	160	2 3/16	1/2	1 9/16

Versions / options



	Electrically conductive version, non-marking, gray *	With top plate fitting **	With stem fitting	With "central-stop" central brake system***	With threaded pin Ø 3/8" or 1/2"	Brake lever in special color	Blickle FLOW series
Product code suffix	LWG(X)E...-ELS	-P / -PX	-ZA / ZAX	-CS11			
Available for	Ball bearing versions Consult factory	Consult factory	Consult factory	Consult factory	Consult factory	Consult factory	Consult factory

* Load capacity of electrically conductive version reduced by 35 %

** Total height + 1/8"

*** Please pay attention to the metric measurement of the 11 mm switch cam

LKDG/LKDGX-PATH series

Blickle MOVE twin synthetic casters with hollow kingpin, color silver gray, wheel with thermoplastic polyurethane tread

220–275 lbs

-5 °F to +140 °F

✓RoHS



LKDG-PATH

LKDGX-PATH...-FI



Rig: LKDG/LKDGX series

- High-quality nylon 6, impact resistant
- Two grooved ball bearings in the swivel head sealed on both sides
- Hollow kingpin
- Color silver gray RAL 7001
- Modern, appealing design
- LKDGX series: all parts including axle material are corrosion-resistant

Wheel: PATH series

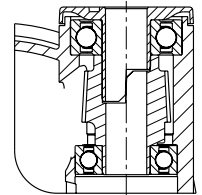
- Tread: high-quality thermoplastic polyurethane (TPU), hardness 94 Shore A, color dark gray, non-marking, non-staining
- Wheel center: high-quality nylon 6, impact resistant, color silver gray RAL 7001

Other features:

- The load capacity reduces at ambient temperatures above +85 °F

Additional details:

- Rig series: page 33
- Brakes: page 43–44
- Bearing types: page 21



Swivel casters	Swivel casters with "stop-fix" brake	Wheel Ø		Wheel width		Total caster width		Load capacity		Bearing type	Total height		Plate Ø	For mounting bolt	Swivel lead
		[inch]	[mm]	[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]		[inch]	[mm]			
LKDG-PATH series															
LKDG-PATH 100K	LKDG-PATH 100K-FI	4	100	2 x 3/4	2 x 19	2 1/2	63	220	100	ball bearing	4 1/16	103	1 5/8	1/2	1 1/4
LKDG-PATH 125K	LKDG-PATH 125K-FI	5	125	2 x 13/16	2 x 20	3 1/8	80	275	125	ball bearing	5 1/8	130	1 5/8	1/2	1 9/16
LKDGX-PATH series – corrosion-resistant															
LKDGX-PATH 100XK	LKDGX-PATH 100XK-FI	4	100	2 x 3/4	2 x 19	2 1/2	63	220	100	ball bearing	4 1/16	103	1 5/8	1/2	1 1/4
LKDGX-PATH 125XK	LKDGX-PATH 125XK-FI	5	125	2 x 13/16	2 x 20	3 1/8	80	275	125	ball bearing	5 1/8	130	1 5/8	1/2	1 9/16

Swivel caster with "stop-fix" brake with easy release kick lever as standard



Versions / options



	Electrically conductive version, non-marking	With combined wheel brake and directional lock (1 x 360°)	With threaded pin Ø 3/8" or 1/2"	With stem fitting	With top plate fitting *	Caster with special mounting height 4 3/4" / 5 5/16"	In black color
Product code suffix	-ELS	-RIFI		-ZA / -ZAX	-P / -PX	LKDGH-...	LKDB-PUA series
Available for	Consult factory	Wheel Ø 5" Consult factory	Consult factory	Consult factory	Consult factory	wheel Ø 5" Consult factory	Ø 2", 3", 4" Consult factory

* Increases total height of casters by 5/16"

LRA series

**Light-duty casters with hollow kingpin
for 3/8" mounting bolt,
wheel with thermoplastic / solid rubber tread**

110–165 lbs

RoHS



LRA-TPA



LRA-VPA...-FI

Rig: LRA series

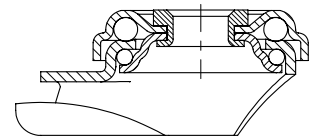
- Pressed steel, zinc-plated, blue-passivated, Cr6-free
- Double ball bearing in the swivel head
- Strong central kingpin
- Minimum swivel head play, smooth rolling characteristic and increased service life due to the special dynamic Blickle riveting process
- Synthetic "stop-fix" brake lever

Wheels:

- TPA series
- Tread: high-quality thermoplastic rubber-elastomer (TPE), hardness 85 Shore A, color gray, non-marking, oil containing
 - Wheel center: high-quality polypropylene, impact resistant, color silver gray ("ELS" version color black)
- VPA series
- Tire: high-quality solid rubber, hardness 80 Shore A, color gray, non-marking, non-staining
 - Rim: high-quality nylon 6 or polypropylene in the electrically conductive version "-EL", impact resistant, color black

Additional details:

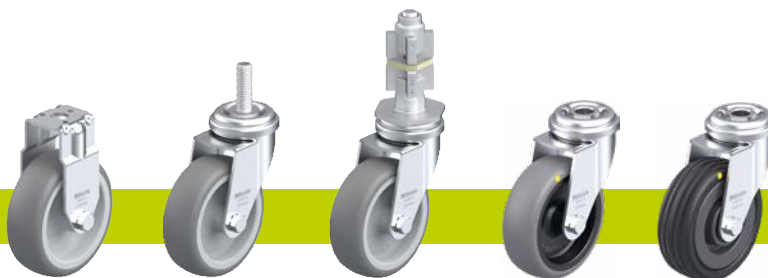
- Rig series: page 34
- Brakes: page 43–44
- Wheel series: page 107
- Bearing types: page 21



Swivel casters	Swivel casters with "stop-fix" brake	Wheel Ø		Wheel width		Load capacity		Bearing type	Total height		Plate Ø	For mounting bolt	Swivel lead
		[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]		[inch]	[mm]			
LRA-TPA series													
LRA-TPA 50G	LRA-TPA 50G-FI	2	50	3/4	19	110	50	plain bore	2 11/16	69	1 11/16	3/8	7/8
LRA-TPA 50KF	LRA-TPA 50KF-FI	2	50	3/4	19	110	50	ball bearing (C)	2 11/16	69	1 11/16	3/8	7/8
LRA-TPA 75G	LRA-TPA 75G-FI	3	75	1	25	165	75	plain bore	3 7/8	98	1 11/16	3/8	1 1/8
LRA-TPA 75KF	LRA-TPA 75KF-FI	3	75	1	25	165	75	ball bearing (C)	3 7/8	98	1 11/16	3/8	1 1/8
LRA-TPA 100G	LRA-TPA 100G-FI	4	100	1	25	155	70	plain bore	4 3/4	121	1 11/16	3/8	1 5/16
LRA-VPA series													
LRA-VPA 75G	LRA-VPA 75G-FI	3	75	1	25	130	60	plain bore	3 7/8	98	1 11/16	3/8	1 1/8
LRA-VPA 75K	LRA-VPA 75K-FI	3	75	1	25	130	60	ball bearing	3 7/8	98	1 11/16	3/8	1 1/8

For other wheel series, see page 53

Versions / options



	Rigid casters	With threaded pin Ø 3/8"	With metal expander fitting	Electrically conductive version, non-marking gray *	Electrically conductive version **	Stainless steel version
Product code suffix	BRA series		See page 58	-ELS	-EL	LRXA series
Available for	Consult factory	Consult factory	Consult factory	See TPA...-ELS series (page 149)	VPA series Consult factory	Consult factory

* Wheel load capacity of electrically conductive version reduced by 35 %
 ** Wheel load capacity of electrically conductive version reduced by 25 %

LRA series

Light-duty casters with hollow kingpin for $\frac{3}{8}$ " mounting bolt, wheels with polyurethane tread / nylon wheels

165–220 lbs

RoHS

Rig: LRA series

- Pressed steel, zinc-plated, blue-passivated, Cr6-free
- Double ball bearing in the swivel head
- Strong central kingpin
- Minimum swivel head play and smooth rolling characteristic, increased service life due to the special dynamic Blickle riveting process
- Synthetic "stop-fix" brake lever

Additional details:

- Rig series: page 34
- Brakes: page 43–44
- Wheel series: page 110, 108, 124
- Bearing types: page 21

Wheels:

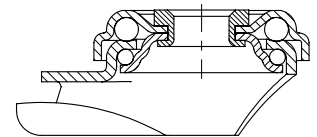
- VSTH series
- Tread: high-quality polyurethane elastomer Blickle Extrathane®, hardness 92 Shore A, color light brown, non-marking, non-staining
 - Wheel center: steel

PATH series

- Tread: high-quality thermoplastic polyurethane (TPU), hardness 94 Shore A, color dark gray, non-marking, non-staining
- Wheel center: high-quality nylon 6, impact resistant, color silver gray

POA series

- High-quality nylon 6, impact resistant, hardness 70 Shore D, color black



Swivel casters	Swivel casters with "stop-fix" brake	Wheel Ø		Wheel width		Load capacity		Bearing type	Total height		Plate Ø	For mounting bolt [inch]	Swivel lead [inch]
		[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]		[inch]	[mm]			
LRA-VSTH series													
LRA-VSTH 35K	LRA-VSTH 35K-RA*	1 $\frac{3}{8}$	35	1 $\frac{1}{16}$	27	220	100	ball bearing	1 $\frac{15}{16}$	50	1 $\frac{11}{16}$	$\frac{3}{8}$	$\frac{9}{16}$
LRA-PATH series													
LRA-PATH 50KF	LRA-PATH 50KF-FI	2	50	$\frac{3}{4}$	19	165	75	ball bearing (C)	2 $\frac{11}{16}$	69	1 $\frac{11}{16}$	$\frac{3}{8}$	$\frac{7}{8}$
LRA-PATH 75KF	LRA-PATH 75KF-FI	3	75	1	25	165	75	ball bearing (C)	3 $\frac{7}{8}$	98	1 $\frac{11}{16}$	$\frac{3}{8}$	1 $\frac{1}{8}$
LRA-POA series													
LRA-POA 50G	LRA-POA 50G-FI	2	50	$\frac{11}{16}$	18	165	75	plain bore	2 $\frac{11}{16}$	69	1 $\frac{11}{16}$	$\frac{3}{8}$	$\frac{7}{8}$
LRA-POA 75G	LRA-POA 75G-FI	3	75	$\frac{7}{8}$	23	165	75	plain bore	3 $\frac{7}{8}$	98	1 $\frac{11}{16}$	$\frac{3}{8}$	1 $\frac{1}{8}$

* Swivel caster with Blickle "Radstop" wheel brake, with black synthetic brake lever

For other wheel series, see page 52

Versions / options



	Rigid casters	With threaded pin Ø $\frac{3}{8}$ "	With metal expander fitting	Electrically conductive version, non-marking gray *	Stainless steel version
Product code suffix	BRA series		See page 58	-ELS	LRXA series
Available for	Consult factory	Consult factory	Consult factory	See PATH...-ELS series (page 150)	Consult factory

* Wheel load capacity of electrically conductive version reduced by 35 %

LKRA series

Light-duty casters with hollow kingpin for 1/2" mounting bolt, wheel with thermoplastic rubber tread

220–265 lbs

RoHS

Rig: LKRA series

- Pressed steel, zinc-plated, blue-passivated, Cr6-free
- Double ball bearing in the swivel head
- Strong central kingpin
- Minimum swivel head play and smooth rolling characteristic, increased service life due to the special dynamic Blickle riveting process
- Steel "stop-fix" brake lever

Wheel: TPA series

- Tread: high-quality thermoplastic rubber-elastomer (TPE), hardness 85 Shore A, color gray, non-marking, oil containing
- Wheel center: high-quality polypropylene, impact resistant, color silver gray ("ELS" version color black)

Additional details:

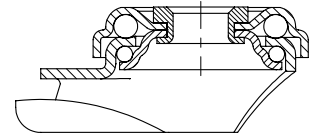
- Rig series: page 34
- Brakes: page 43–44
- wheel series: page 107
- Bearing types: page 21



LKRA-TPA



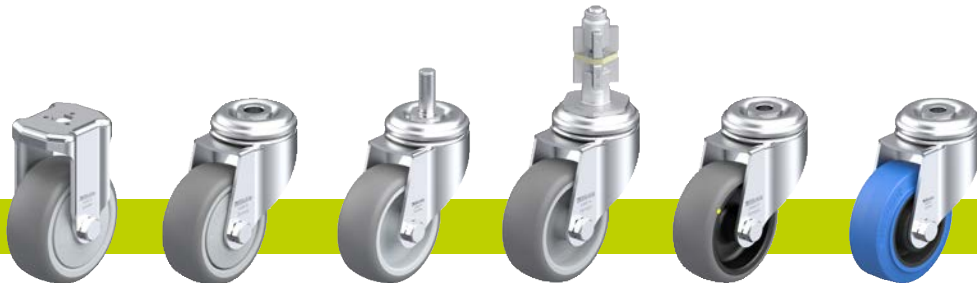
LKRA-TPA...-FI



Swivel casters	Swivel casters with "stop-fix" brake	Wheel Ø		Wheel width		Load capacity		Bearing type	Total height		Plate Ø	For mounting bolt [inch]	Swivel lead [inch]
		[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]		[inch]	[mm]			
LKRA-TPA series													
LKRA-TPA 80G	LKRA-TPA 80G-FI	3 1/8	80	1 1/4	32	220	100	plain bore	4 1/4	108	2 1/4	1/2	1 9/16
LKRA-TPA 80KF	LKRA-TPA 80KF-FI	3 1/8	80	1 1/4	32	220	100	ball bearing (C)	4 1/4	108	2 1/4	1/2	1 9/16
LKRA-TPA 101G	LKRA-TPA 101G-FI	4	100	1 1/4	32	245	110	plain bore	5 1/4	133	2 1/4	1/2	1 9/16
LKRA-TPA 101KF	LKRA-TPA 101KF-FI	4	100	1 1/4	32	245	110	ball bearing (C)	5 1/4	133	2 1/4	1/2	1 9/16
LKRA-TPA 126G	LKRA-TPA 126G-FI	5	125	1 1/4	32	265	120	plain bore	6 1/4	158	2 1/4	1/2	1 9/16
LKRA-TPA 126KF	LKRA-TPA 126KF-FI	5	125	1 1/4	32	265	120	ball bearing (C)	6 1/4	158	2 1/4	1/2	1 9/16

For other wheel series, see page 55; for stainless steel versions, see page 56

Versions / options



	Rigid casters	With hollow kingpin for bolt Ø 3/8"	With threaded pin Ø 1/2"	With metal expander fitting	Electrically conductive version, non-marking gray *	Blue rubber wheel (POEV series)
Product code suffix	BKRA series			See page 58	-ELS	LKRA-POEV series
Available for	Consult factory	Consult factory	Consult factory	Consult factory	See TPA...-ELS series (page 149)	Consult factory

* Wheel load capacity of electrically conductive version reduced by 35 %

LKRA series

Light-duty casters with hollow kingpin for 1/2" mounting bolt, wheel with polyurethane tread / nylon wheel

265–330 lbs

RoHS

Rig: LKRA series

- Pressed steel, zinc-plated, blue-passivated, Cr6-free
- Double ball bearing in the swivel head
- Strong central kingpin
- Minimum swivel head play and smooth rolling characteristic and increased service life due to the special dynamic Blickle riveting process
- Steel "stop-fix" brake lever

Additional details:

- Rig series: page 34
- Brakes: page 43–44
- Wheel series: page 110, 108, 124
- Bearing types: page 21

Wheels:

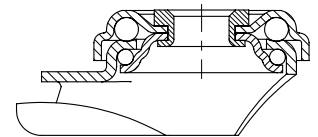
- VSTH series
- Tread: high-quality polyurethane elastomer Blickle Extrathane®, hardness 92 Shore A, color light brown, non-marking, non-staining
 - Wheel center: steel

PATH series

- Tread: high-quality thermoplastic polyurethane (TPU), hardness 94 Shore A, color dark gray, non-marking, non-staining
- Wheel center: high-quality nylon 6, impact resistant, color silver gray

POA series

- High-quality nylon 6, impact resistant, hardness 70 Shore D, color black

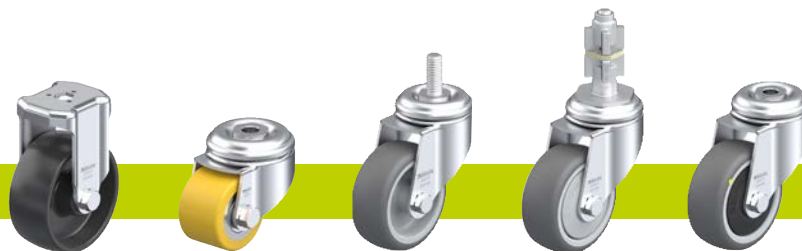


Swivel casters	Swivel casters with "stop-fix" brake	Wheel Ø		Wheel width		Load capacity		Bearing type	Total height		Plate Ø	For mounting bolt [inch]	Swivel lead [inch]
		[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]		[inch]	[mm]			
LKRA-VSTH series													
LKRA-VSTH 50K	LKRA-VSTH 50K-RA*	2	50	1 5/16	33	330	150	ball bearing	2 3/4	70	2 1/4	1/2	1 1/8
LKRA-PATH series													
LKRA-PATH 80KF	LKRA-PATH 80KF-FI	3 1/8	80	1 1/4	32	265	120	ball bearing (C)	4 1/4	108	2 1/4	1/2	1 9/16
LKRA-PATH 101KF	LKRA-PATH 101KF-FI	4	100	1 1/4	32	265	120	ball bearing (C)	5 1/4	133	2 1/4	1/2	1 9/16
LKRA-PATH 126KF	LKRA-PATH 126KF-FI	5	125	1 1/4	32	265	120	ball bearing (C)	6 1/4	158	2 1/4	1/2	1 9/16
LKRA-POA series													
LKRA-POA 80G	LKRA-POA 80G-FI	3 1/8	80	1 1/4	32	265	120	plain bore	4 1/4	108	2 1/4	1/2	1 9/16
LKRA-POA 100G	LKRA-POA 100G-FI	4	100	1 1/4	32	265	120	plain bore	5 1/4	133	2 1/4	1/2	1 9/16
LKRA-POA 125G	LKRA-POA 125G-FI	5	125	1 1/4	32	265	120	plain bore	6 1/4	158	2 1/4	1/2	1 9/16

* Swivel caster with Blickle "Radstop" wheel brake, with black synthetic brake lever

For other wheel series, see page 54; for stainless steel versions, see page 57

Versions / options



	Rigid casters	With hollow kingpin for bolt Ø 3/8"	With threaded pin Ø 3/8"	With metal expander fitting	Electrically conductive version, non-marking gray *
Product code suffix	BKRA series			See page 58	-ELS
Available for	Consult factory	Consult factory	Consult factory	Consult factory	See PATH...-ELS series (page 150)

* Wheel load capacity of electrically conductive version reduced by 35 %

LKRXA series

Stainless steel light-duty casters with hollow kingpin for 1/2" mounting bolt, wheel with thermoplastic rubber tread

220–265 lbs

RoHS

Rig: LKRXA series

- High-quality chromium-nickel steel (1.4301/ AISI 304), stainless steel, vibration-ground finishing
- All parts including axle material are corrosion-resistant
- Double ball bearing in the swivel head
- Strong central kingpin
- Minimum swivel head play and smooth rolling characteristic and increased service life due to the special dynamic Blickle riveting process
- Synthetic "stop-fix" brake lever, color gray

Wheel: TPA series

- Tread: high-quality thermoplastic rubber-elastomer (TPE), hardness 85 Shore A, color gray, non-marking, oil containing
- Wheel center: high-quality polypropylene, impact resistant, color silver gray ("ELS" version color black)

Additional details:

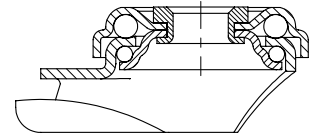
- Rig series: page 34
- Brakes: page 43–44
- Wheel series: page 107
- Bearing types: page 21



LKRXA-TPA



LKRXA-TPA...-FI



Swivel casters	Swivel casters with "stop-fix" brake	Wheel Ø		Wheel width		Load capacity		Bearing type	Total height		Plate Ø	For mounting bolt [inch]	Swivel lead [inch]
		[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]		[inch]	[mm]			
LKRXA-TPA series													
LKRXA-TPA 80G	LKRXA-TPA 80G-FI	3 1/8	80	1 1/4	32	220	100	plain bore	4 1/4	108	2 1/4	1/2	1 9/16
LKRXA-TPA 80KFD	LKRXA-TPA 80KFD-FI	3 1/8	80	1 1/4	32	220	100	ball bearing (C)	4 1/4	108	2 1/4	1/2	1 9/16
LKRXA-TPA 101G	LKRXA-TPA 101G-FI	4	100	1 1/4	32	245	110	plain bore	5 1/4	133	2 1/4	1/2	1 9/16
LKRXA-TPA 101KFD	LKRXA-TPA 101KFD-FI	4	100	1 1/4	32	245	110	ball bearing (C)	5 1/4	133	2 1/4	1/2	1 9/16
LKRXA-TPA 126G	LKRXA-TPA 126G-FI	5	125	1 1/4	32	265	120	plain bore	6 1/4	158	2 1/4	1/2	1 9/16
LKRXA-TPA 126KFD	LKRXA-TPA 126KFD-FI	5	125	1 1/4	32	265	120	ball bearing (C)	6 1/4	158	2 1/4	1/2	1 9/16

For other wheel series, see page 57

Versions / options



	Rigid casters	Wheel Ø 2" and 3" with hollow kingpin for bolt Ø 3/8"	With hollow kingpin for bolt Ø 3/8"	With plug-in stem made of stainless steel *	With synthetic expander fitting, corrosion-resistant **	Electrically conductive version, non-marking gray ***
Product code suffix	BKRXA series	LRXA series		-ZAX51	See page 59	-ELS
Available for	Consult factory	Consult factory	Consult factory	Consult factory	Consult factory	See TPA...-ELS series (page 149)

* In accordance with DIN 18867-8 (large-scale catering equipment)

** Swivel caster and expander are secured against loosening by a positive location fit. The maximum fitting length is 2 9/16". The total height of the caster is increased by 1/8".

*** Wheel load capacity of electrically conductive version reduced by 35 %

LKRXA series

Stainless steel light-duty casters with hollow kingpin for 1/2" mounting bolt, wheel with thermoplastic polyurethane tread / nylon wheel

265 lbs

RoHS

Rig: LKRXA series

- High-quality chromium-nickel steel (1.4301/ AISI 304), stainless steel, vibration-ground finishing
- All parts including axle material are corrosion-resistant
- Double ball bearing in the swivel head
- Strong central kingpin
- Minimum swivel head play and smooth rolling characteristic and increased service life due to the special dynamic Blickle riveting process
- Synthetic "stop-fix" brake lever, color gray

Wheels:

PATH series

- Tread: high-quality thermoplastic polyurethane (TPU), hardness 94 Shore A, color dark gray, non-marking, non-staining
- Wheel center: high-quality nylon 6, impact resistant, color silver gray

PO series

- High-quality nylon 6, impact resistant, hardness 70 Shore D, color natural white

Additional details:

- Rig series: page 34
- Brakes: page 43–44
- Wheel series: page 108, 125
- Bearing types: page 21

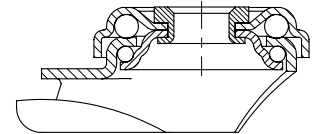


LKRXA-PATH



LKRXA-PO...-FI

2



Swivel casters	Swivel casters with "stop-fix" brake	Wheel Ø		Wheel width		Load capacity		Bearing type	Total height		Plate Ø	For mounting bolt [inch]	Swivel lead [inch]
		[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]		[inch]	[mm]			
LKRXA-PATH series													
LKRXA-PATH 80KFD	LKRXA-PATH 80KFD-FI	3 1/8	80	1 1/4	32	265	120	ball bearing (C)	4 1/4	108	2 1/4	1/2	1 9/16
LKRXA-PATH 101KFD	LKRXA-PATH 101KFD-FI	4	100	1 1/4	32	265	120	ball bearing (C)	5 1/4	133	2 1/4	1/2	1 9/16
LKRXA-PATH 126KFD	LKRXA-PATH 126KFD-FI	5	125	1 1/4	32	265	120	ball bearing (C)	6 1/4	158	2 1/4	1/2	1 9/16
LKRXA-PO series													
LKRXA-PO 80G	LKRXA-PO 80G-FI	3 1/8	80	1 1/4	32	265	120	plain bore	4 1/4	108	2 1/4	1/2	1 9/16
LKRXA-PO 101G	LKRXA-PO 101G-FI	4	100	1 1/4	32	265	120	plain bore	5 1/4	133	2 1/4	1/2	1 9/16
LKRXA-PO 126G	LKRXA-PO 126G-FI	5	125	1 1/4	32	265	120	plain bore	6 1/4	158	2 1/4	1/2	1 9/16

For other wheel series, see page 56

Versions / options



	Rigid casters	Wheel Ø 2" and 3" with hollow kingpin for bolt Ø 3/8"	With hollow kingpin for bolt Ø 3/8"	With plug-in stem made of stainless steel *	With synthetic expander fitting, corrosion-resistant **	Electrically conductive version, non-marking gray ***	Electrically conductive version, non-marking gray
Product code suffix	BKRXA series	LRXA series		-ZAX51	See page 59	-ELS	-ELS
Available for	Consult factory	Consult factory	Consult factory	Consult factory	Consult factory	See PATH...-ELS series (page 150)	See PO...-ELS series (page 151)

* In accordance with DIN 18867-8 (large-scale catering equipment)

** Swivel caster and expander are secured against loosening by a positive location fit. The maximum fitting length is 2 9/16". The total height of the caster is increased by 1/8".

*** Wheel load capacity of electrically conductive version reduced by 35 %

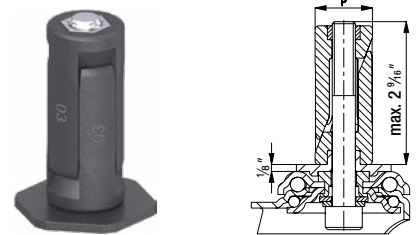
Expandable adapter fittings for light-duty casters LRA / LKRA series

Synthetic expander fitting for round tubes *

Product code suffix for LRA series	Product code suffix for LKRA series	Internal tube dimension (P) [inch]
-ER02	-ER12	$\emptyset 25/32 - 63/64$
-ER03	-ER13	$\emptyset 63/64 - 1 3/16$
-ER04	-ER14	$\emptyset 1 3/16 - 1 3/8$
-ER05	-ER15	$\emptyset 1 3/8 - 1 37/64$

* Corrosion-resistant versions page 59

Available for all swivel casters in the LRA/LKRA series with hollow kingpin for mounting bolt $\emptyset 3/8"$.
Swivel caster and expander secured to prevent loosening with positive locking.
Maximum fitting length is $2 9/16"$.
Increases total height of swivel casters by $1/8"$.

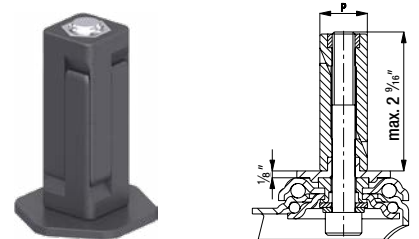


Synthetic expander fitting for square tubes *

Product code suffix for LRA series	Product code suffix for LKRA series	Internal tube dimension (P) [inch]
-EV02	-EV12	$\square 45/64 - 53/64$
-EV03	-EV13	$\square 53/64 - 63/64$
-EV04	-EV14	$\square 63/64 - 1 9/64$
-EV05	-EV15	$\square 1 9/64 - 1 17/64$
-EV07	-EV17	$\square 1 17/64 - 1 33/64$
	-EV18	$\square 1 27/64 - 1 39/64$

* Corrosion-resistant versions page 59

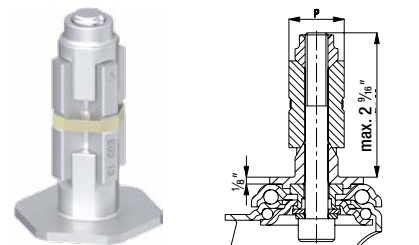
Available for all swivel casters in the LRA/LKRA series with hollow kingpin for mounting bolt $\emptyset 3/8"$.
Swivel caster and expander secured to prevent loosening with positive locking.
Maximum fitting length is $2 9/16"$.
Increases total height of swivel casters by $1/8"$.



Metal expander fitting for round and square tubes

Product code suffix for LRA series	Product code suffix for LKRA series	Internal tube dimension round tube (P) [inch]	Internal tube dimension square tube (P) [inch]
-E01	-E11	$\emptyset 43/64 - 3/4$	$\square 43/64 - 3/4$
-E02	-E12	$\emptyset 25/32 - 63/64$	$\square 45/64 - 53/64$
-E03	-E13	$\emptyset 63/64 - 1 3/16$	$\square 53/64 - 63/64$
-E04	-E14	$\emptyset 1 3/16 - 1 3/8$	$\square 63/64 - 1 9/64$
-E05	-E15	$\emptyset 1 3/8 - 1 37/64$	$\square 1 9/64 - 1 17/64$
-E07	-E17	$\emptyset 1 17/32 - 1 49/64$	$\square 1 17/64 - 1 33/64$

Available for all swivel casters in the LRA/LKRA series with hollow kingpin for mounting bolt $\emptyset 3/8"$.
Swivel caster and expander secured against rotation by positive locking.
Maximum fitting length is $2 9/16"$.
Increases total height of swivel casters by $3/8"$ mm.

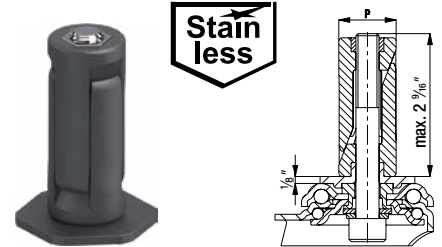


Expandable adapter fittings for stainless steel light-duty casters LRXA / LKRXA series

Corrosion-resistant synthetic expander fitting for round tubes

Product code suffix for the LRXA series	Product code suffix for the LKRXA series	Internal tube dimension (P) [inch]
-EXR02	-EXR12	$\emptyset \frac{25}{32} - \frac{63}{64}$
-EXR03	-EXR13	$\emptyset \frac{63}{64} - 1 \frac{3}{16}$
-EXR04	-EXR14	$\emptyset 1 \frac{3}{16} - 1 \frac{3}{8}$
-EXR05	-EXR15	$\emptyset 1 \frac{3}{8} - 1 \frac{37}{64}$

Available for all swivel casters in the LKRXA series with hollow kingpin for mounting bolt $\emptyset \frac{3}{8}$ ". Swivel caster and expander secured to prevent loosening with positive locking. Maximum fitting length is $2 \frac{9}{16}$ ". **Increases total height of swivel casters by $\frac{1}{8}$ ".**

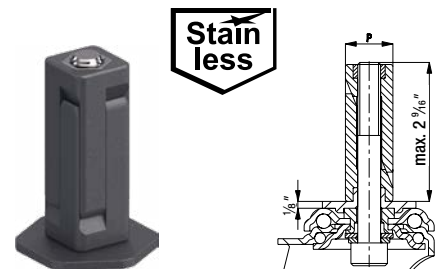


2

Corrosion-resistant synthetic expander fitting for square tubes

Product code suffix for the LRXA series	Product code suffix for the LKRXA series	Internal tube dimension (P) [inch]
-EXV02	-EXV12	$\square \frac{45}{64} - \frac{53}{64}$
-EXV03	-EXV13	$\square \frac{53}{64} - \frac{63}{64}$
-EXV04	-EXV14	$\square \frac{63}{64} - 1 \frac{9}{64}$
-EXV05	-EXV15	$\square 1 \frac{9}{64} - 1 \frac{17}{64}$
-EXV07	-EXV17	$\square 1 \frac{17}{64} - 1 \frac{33}{64}$
	-EXV18	$\square 1 \frac{27}{64} - 1 \frac{39}{64}$

Available for all swivel casters in the LKRXA series with hollow kingpin for mounting bolt $\emptyset \frac{3}{8}$ ". Swivel caster and expander secured to prevent loosening with positive locking. Maximum fitting length is $2 \frac{9}{16}$ ". **Increases total height of swivel casters by $\frac{1}{8}$ ".**



LKPA/BKPA-12 series

Light-duty casters with top plate,
wheel with thermoplastic rubber tread

220–265 lbs

RoHS

Rig: LKPA/BKPA series

- Pressed steel, zinc-plated, blue-passivated, Cr6-free

Swivel rig:

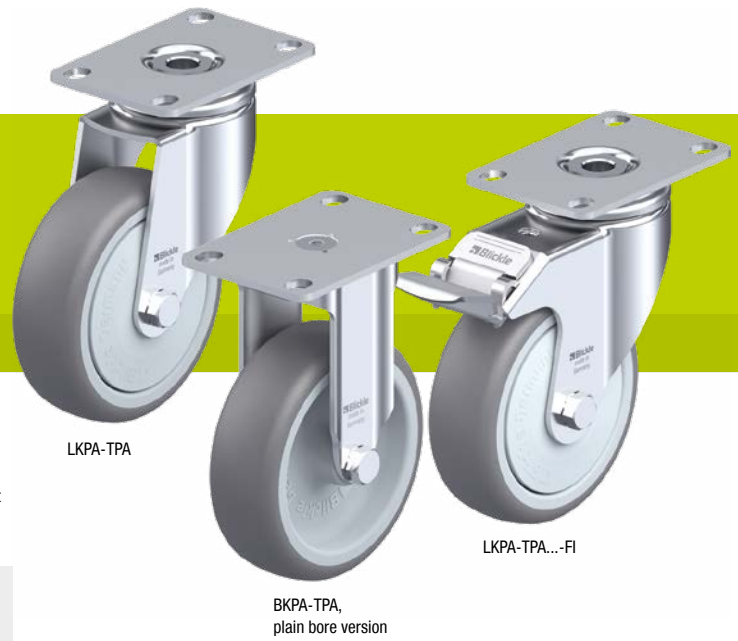
- Double ball bearing in the swivel head
- Strong central kingpin
- Minimum swivel head play and smooth rolling characteristic and increased service life due to the special dynamic Blickle riveting process
- Steel "stop-fix" brake lever

Wheel: TPA series

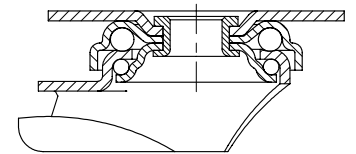
- Tread: high-quality thermoplastic rubber-elastomer (TPE), hardness 85 Shore A, color gray, non-marking, oil containing
- Wheel center: high-quality polypropylene, impact resistant, color silver gray ("ELS" version color black)

Additional details:

- Rig series: page 34
- Brakes: page 43–44
- Wheel series: page 107
- Bearing types: page 21



2



Swivel casters	Rigid casters	Swivel casters with "stop-fix" brake	Wheel Ø		Wheel width		Load capacity		Bearing type	Total height		Plate size	Bolt hole spacing	Bolt hole Ø	Swivel lead
			[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]		[inch]	[mm]				
LKPA-TPA series															
LKPA-TPA 80G-12	BKPA-TPA 80G-12	LKPA-TPA 80G-12-FI	3 1/8	80	1 1/4	32	220	100	plain bore	4 3/8	111	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 9/16
LKPA-TPA 80KF-12	BKPA-TPA 80KF-12	LKPA-TPA 80KF-12-FI	3 1/8	80	1 1/4	32	220	100	ball bearing (C)	4 3/8	111	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 9/16
LKPA-TPA 101G-12	BKPA-TPA 101G-12	LKPA-TPA 101G-12-FI	4	100	1 1/4	32	245	110	plain bore	5 3/8	136	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 9/16
LKPA-TPA 101KF-12	BKPA-TPA 101KF-12	LKPA-TPA 101KF-12-FI	4	100	1 1/4	32	245	110	ball bearing (C)	5 3/8	136	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 9/16
LKPA-TPA 126G-12	BKPA-TPA 126G-12	LKPA-TPA 126G-12-FI	5	125	1 1/4	32	265	120	plain bore	6 5/16	161	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 9/16
LKPA-TPA 126KF-12	BKPA-TPA 126KF-12	LKPA-TPA 126KF-12-FI	5	125	1 1/4	32	265	120	ball bearing (C)	6 5/16	161	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 9/16

For other wheel series, see page 61; for stainless steel versions, see page 62

Versions / options



Electrically conductive version, non-marking gray *



Special colors (electrostatic powder coating)



With non-marking blue rubber tire



European standard

European metric top plate fitting



US-standard

More options with this bolt hole pattern

Product code suffix

-ELS

LKPA-POEV series

Available for

See TPA...-ELS series (page 149)

Consult factory

Consult factory

Consult factory

Refer to page 64–66

* Wheel load capacity of electrically conductive version reduced by 35 %

LPA, LKPA/BKPA-12 series

Light-duty casters with top plate, wheel with Blickle Extrathane® / thermoplastic polyurethane tread / nylon wheels

220–330 lbs

RoHS

Rig: LPA, LKPA/BKPA series

- Pressed steel, zinc-plated, blue-passivated, Cr6-free

Swivel rig:

- Double ball bearing in the swivel head
- Strong central kingpin
- Minimum swivel head play and smooth rolling characteristic and increased service life due to the special dynamic Blickle riveting process
- Steel "stop-fix" brake lever

Additional details:

- Rig series: page 34
- Brakes: page 43–44
- Wheel series: page 110, 108, 124
- Bearing types: page 21

Wheels:

VSTH series

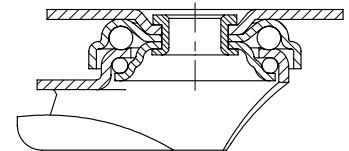
- Tread: high-quality polyurethane elastomer Blickle Extrathane®, hardness 92 Shore A, color light brown, non-marking, non-staining
- Wheel center: steel

PATH series

- Tread: high-quality thermoplastic polyurethane (TPU), hardness 94 Shore A, color dark gray, non-marking, non-staining
- Wheel center: high-quality nylon 6, impact resistant, color silver gray

POA series

- High-quality nylon 6, impact resistant, hardness 70 Shore D, color black



Swivel casters	Rigid casters	Swivel casters with "stop-fix" brake	Wheel Ø		Wheel width		Load capacity		Bearing type	Total height		Plate size	Bolt hole spacing	Bolt hole Ø	Swivel lead
			[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]		[inch]	[mm]				
LPA/LKPA-VSTH series															
LPA-VSTH 35K*		LPA-VSTH 35K-RA**	1 3/8	35	1 1/16	27	220	100	ball bearing	2 1/16	52	2 3/8 x 2 3/8	1 1/2 x 1 1/2-1 7/8 x 1 7/8	1/4	9/16
LKPA-VSTH 50K-12			2	50	1 3/16	33	330	150	ball bearing	2 7/8	73	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 1/8
LKPA-PATH series															
LKPA-PATH 80KF-12	BKPA-PATH 80KF-12	LKPA-PATH 80KF-12-FI	3 1/8	80	1 1/4	32	265	120	ball bearing (C)	4 3/8	111	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 9/16
LKPA-PATH 101KF-12	BKPA-PATH 101KF-12	LKPA-PATH 101KF-12-FI	4	100	1 1/4	32	265	120	ball bearing (C)	5 3/8	136	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 9/16
LKPA-PATH 126KF-12	BKPA-PATH 126KF-12	LKPA-PATH 126KF-12-FI	5	125	1 1/4	32	265	120	ball bearing (C)	6 5/16	161	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 9/16
LKPA-POA series															
LKPA-POA 80G-12	BKPA-POA 80G-12	LKPA-POA 80G-12-FI	3 1/8	80	1 1/4	32	265	120	plain bore	4 3/8	111	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 9/16
LKPA-POA 100G-12	BKPA-POA 100G-12	LKPA-POA 100G-12-FI	4	100	1 1/4	32	265	120	plain bore	5 3/8	136	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 9/16
LKPA-POA 125G-12	BKPA-POA 125G-12	LKPA-POA 125G-12-FI	5	125	1 1/4	32	265	120	plain bore	6 5/16	161	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 9/16

* With top plate no. 22

** Swivel caster with Blickle "Radstop" wheel brake, with black synthetic brake lever

For other wheel series, see page 60; for stainless steel versions, see page 63

Versions / options



Electrically conductive version, non-marking gray ***

Special colors (electrostatic powder coating)

European metric top plate fitting

More options with this bolt hole pattern

Product code suffix

-ELS

Available for

See PATH...-ELS series (page 150)

Consult factory

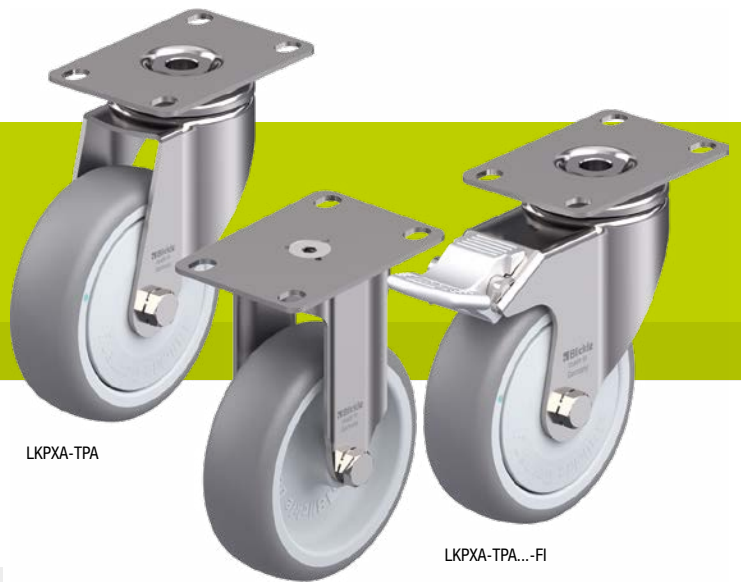
Consult factory

Refer to page 64–66

*** Wheel load capacity of electrically conductive version reduced by 35 %

LKPXA/BKPXA-12 series

Stainless steel light-duty casters with top plate, wheel with thermoplastic rubber tread



LKPXA-TPA

LKPXA-TPA...-FI

BKPXA-TPA, plain bore version

220–265 lbs

RoHS

Rig: LKPXA/BKPXA series

- High-quality chromium-nickel steel (1.4301/ AISI 304), stainless steel, vibration-ground finishing
- All parts including axle material are corrosion-resistant

Swivel rig:

- Double ball bearing in the swivel head
- Strong central kingpin
- Minimum swivel head play and smooth rolling characteristic and increased service life due to the special dynamic Blickle riveting process
- Synthetic “stop-fix” brake lever, color gray

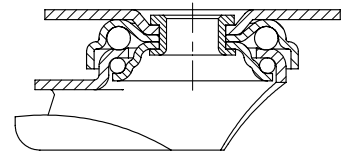
Wheel: TPA series

- Tread: high-quality thermoplastic rubber-elastomer (TPE), hardness 85 Shore A, color gray, non-marking, oil containing
- Wheel center: high-quality polypropylene, impact resistant, color silver gray (“-ELS” version color black)

Additional details:

- Rig series: page 34
- Brakes: page 43–44
- Wheel series: page 107
- Bearing types: page 21

2



Swivel casters	Rigid casters	Swivel casters with “stop-fix” brake	Wheel Ø		Wheel width		Load capacity		Bearing type	Total height		Plate size	Bolt hole spacing	Bolt hole Ø	Swivel lead
			[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]		[inch]	[mm]				
LKPXA-TPA series															
LKPXA-TPA 80G-12	BKPXA-TPA 80G-12	LKPXA-TPA 80G-12-FI	3 1/8	80	1 1/4	32	220	100	plain bore	4 3/8	111	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 9/16
LKPXA-TPA 80KFD-12	BKPXA-TPA 80KFD-12	LKPXA-TPA 80KFD-12-FI	3 1/8	80	1 1/4	32	220	100	ball bearing (C)	4 3/8	111	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 9/16
LKPXA-TPA 101G-12	BKPXA-TPA 101G-12	LKPXA-TPA 101G-12-FI	4	100	1 1/4	32	245	110	plain bore	5 3/8	136	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 9/16
LKPXA-TPA 101KFD-12	BKPXA-TPA 101KFD-12	LKPXA-TPA 101KFD-12-FI	4	100	1 1/4	32	245	110	ball bearing (C)	5 3/8	136	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 9/16
LKPXA-TPA 126G-12	BKPXA-TPA 126G-12	LKPXA-TPA 126G-12-FI	5	125	1 1/4	32	265	120	plain bore	6 5/16	161	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 9/16
LKPXA-TPA 126KFD-12	BKPXA-TPA 126KFD-12	LKPXA-TPA 126KFD-12-FI	5	125	1 1/4	32	265	120	ball bearing (C)	6 5/16	161	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 9/16

For other wheel series, see page 63

Versions / options



	Electrically conductive version, non-marking gray *	With non-marking blue rubber tire	Heat-resistant version	European metric top plate fitting
Product code suffix	-ELS	LKPXA-POEV series	LKPXA series	
Available for	See TPA...-ELS series (page 149)	Consult factory	Refer to page 96	Consult factory

* Wheel load capacity of electrically conductive version reduced by 35 %

LKPXA/BKPXA-12 series

Stainless steel light-duty casters with top plate, wheel with thermoplastic polyurethane tread / nylon wheels

265 lbs

RoHS

Rig: LKPXA/BKPXA series

- High-quality chromium-nickel steel (1.4301/ AISI 304), stainless steel, vibration-ground finishing
- All parts including axle material are corrosion-resistant

Swivel rig:

- Double ball bearing in the swivel head
- Strong central kingpin
- Minimum swivel head play and smooth rolling characteristic and increased service life due to the special dynamic Blickle riveting process
- Synthetic "stop-fix" brake lever, color gray

Wheels:

PATH series

- Tread: high-quality thermoplastic polyurethane (TPU), hardness 94 Shore A, color dark gray, non-marking, non-staining
- Wheel center: high-quality nylon 6, impact resistant, color silver gray

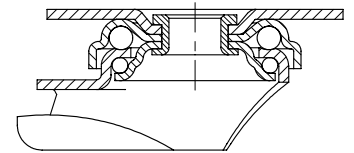
PO series

- High-quality nylon 6, impact resistant, hardness 70 Shore D, color natural white



Additional details:

- Rig series: page 34
- Brakes: page 43–44
- Wheel series: page 108, 125
- Bearing types: page 21



Swivel casters	Rigid casters	Swivel casters with "stop-fix" brake	Wheel Ø		Wheel width		Load capacity		Bearing type	Total height		Plate size	Bolt hole spacing	Bolt hole Ø	Swivel lead
			[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]		[inch]	[mm]				
LKPXA-PATH series															
LKPXA-PATH 80KFD-12	BKPXA-PATH 80KFD-12	LKPXA-PATH 80KFD-12-FI	3 1/8	80	1 1/4	32	265	120	ball bearing (C)	4 3/8	111	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 9/16
LKPXA-PATH 101KFD-12	BKPXA-PATH 101KFD-12	LKPXA-PATH 101KFD-12-FI	4	100	1 1/4	32	265	120	ball bearing (C)	5 3/8	136	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 9/16
LKPXA-PATH 126KFD-12	BKPXA-PATH 126KFD-12	LKPXA-PATH 126KFD-12-FI	5	125	1 1/4	32	265	120	ball bearing (C)	6 5/16	161	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 9/16
LKPXA-PO series															
LKPXA-PO 80G-12	BKPXA-PO 80G-12	LKPXA-PO 80G-12-FI	3 1/8	80	1 1/4	32	265	120	plain bore	4 3/8	111	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 9/16
LKPXA-PO 101G-12	BKPXA-PO 101G-12	LKPXA-PO 101G-12-FI	4	100	1 1/4	32	265	120	plain bore	5 3/8	136	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 9/16
LKPXA-PO 126G-12	BKPXA-PO 126G-12	LKPXA-PO 126G-12-FI	5	125	1 1/4	32	265	120	plain bore	6 5/16	161	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 9/16

For other wheel series, see page 62

Versions / options



	Electrically conductive version, non-marking gray *	Electrically conductive version, non-marking gray	Heat-resistant version	European metric top plate fitting
Product code suffix	-ELS	-ELS	LKPXA series	
Available for	See PATH...-ELS series (page 150)	See PO...-ELS series (page 151)	Refer to page 96	Consult factory

* Wheel load capacity of electrically conductive version reduced by 35 %

L/B-12 series

Pressed steel casters, medium-duty version, with top plate, wheel with "Blickle EasyRoll" elastic solid rubber tire / thermoplastic rubber tread

245–550 lbs

RoHS

Rig: L/B series

- Pressed steel, zinc-plated, blue-passivated, Cr6-free

Swivel rig:

- Double ball bearing in the swivel head
- Minimum swivel head play and smooth rolling characteristic and increased service life due to the special dynamic Blickle riveting process

Additional details:

- Rig series: page 35
- Brakes: page 43–44
- Wheel series: page 105, 107
- Bearing types: page 21

Wheels:

POEV series

- Tire: high-quality elastic solid rubber "Blickle EasyRoll" in smooth rolling quality, hardness 65 Shore A, color gray or blue
- Wheel center: high-quality nylon 6, impact resistant, color black

TPA series

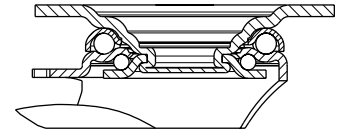
- Tread: high-quality thermoplastic rubber-elastomer (TPE), hardness 85 Shore A, color gray, non-marking, oil containing
- Wheel center: high-quality polypropylene, impact resistant, color silver gray ("ELS" version color black)



L-POEV...-SG
Blickle
EasyRoll

B-POEV...-SB
Blickle
EasyRoll

L-TPA...-FI

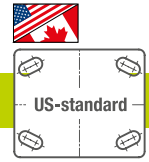


Swivel casters	Rigid casters	Swivel casters with "stop-fix" brake	Wheel Ø [inch] [mm]	Wheel width [inch] [mm]	Load capacity [lbs] [kg]	Bearing type	Total height [inch] [mm]	Plate size [inch]	Bolt hole spacing [inch]	Bolt hole Ø [inch]	Swivel lead [inch]				
L-POEV-SG series (gray)															
L-POEV 60KF-12-SG		L-POEV 60KF-12-RA-SG *	2 3/8	60	1 1/4	32	265	120	ball bearing (CC)	3 3/8	85	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 3/8
L-POEV 89KF-12-SG	B-POEV 89KF-12-SG	L-POEV 89KF-12-FI-SG	3 1/2	89	1 1/4	32	350	160	ball bearing (C)	4 1/16	119	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 7/16
L-POEV 100KA-12-SG	B-POEV 100KA-12-SG	L-POEV 100KA-12-FI-SG	4	100	1 1/2	38	440	200	ball bearing (C)	5 1/8	130	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 7/16
L-POEV 125KA-12-SG	B-POEV 125KA-12-SG	L-POEV 125KA-12-FI-SG	5	125	1 9/16	40	550	250	ball bearing (C)	6 1/8	155	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 1/2
L-POEV-SB series (blue)															
L-POEV 102KA-12-SB	B-POEV 102KA-12-SB	L-POEV 102KA-12-FI-SB	4	100	1 1/4	32	440	200	ball bearing (C)	5 1/8	130	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 7/16
L-POEV 126KA-12-SB	B-POEV 126KA-12-SB	L-POEV 126KA-12-FI-SB	5	125	1 7/16	37	550	250	ball bearing (C)	6 1/8	155	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 1/2
L-TPA series															
L-TPA 102KF-12	B-TPA 102KF-12	L-TPA 102KF-12-FI	4	100	1 1/4	32	245	110	ball bearing (C)	5 1/8	130	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 7/16
L-TPA 127KF-12	B-TPA 127KF-12	L-TPA 127KF-12-FI	5	125	1 1/4	32	275	125	ball bearing (C)	6 1/8	155	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 1/2

* Swivel caster with Blickle "Radstop" wheel brake, with black synthetic brake lever

For other wheel series, see page 65–66

Versions / options*



	Swivel lock (separate) 1 x 360°	Wheel with standard solid rubber tire (80 Shore A)	Wheel with soft rubber tire (55 Shore A)	Electrically conductive version, non-marking gray *	Heat-resistant version	Stainless steel version	More options with this bolt hole pattern
Product code suffix	-RI-03.12	VE series	POES series	-ELS	LI series	LEX series	
Available for	All sizes	Consult factory	Consult factory	See TPA...-ELS series (page 149)	Refer to page 95	Refer to page 78	Refer to pages 60–63

* For more options with wheel-Ø 3" + 3 1/8", consult factory

** Wheel load capacity of electrically conductive version reduced by 35 %

L/B-12 series

Pressed steel casters, medium-duty version, with top plate, wheel with polyurethane tread

440–550 lbs

RoHS

Rig: L/B series

- Pressed steel, zinc-plated, blue-passivated, Cr6-free

Swivel rig:

- Double ball bearing in the swivel head
- Minimum swivel head play and smooth rolling characteristic and increased service life due to the special dynamic Blickle riveting process

Additional details:

- Rig series: page 35
- Brakes: page 43–44
- Wheel series: page 108, 110, 119
- Bearing types: page 21

Wheels:

PATH series

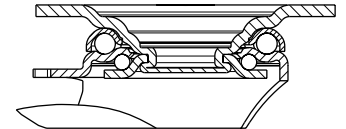
- Tread: high-quality thermoplastic polyurethane (TPU), hardness 94 Shore A, color dark gray, non-marking, non-staining
- Wheel center: high-quality nylon 6, impact resistant, color silver gray

ALTH series

- Tread: high-quality polyurethane elastomer Blickle Extrathane®, hardness 92 Shore A, color light brown, non-marking, non-staining
- Wheel center: die-cast aluminum, color silver gray

ALST series

- Tread: high-quality polyurethane elastomer Blickle Softhane®, hardness 75 Shore A, color green, non-marking, non-staining
- Wheel center: die-cast aluminum, color silver gray



Swivel casters	Rigid casters	Swivel casters with "stop-fix" brake	Wheel Ø		Wheel width		Load capacity		Bearing type	Total height		Plate size	Bolt hole spacing	Bolt hole Ø	Swivel lead
			[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]		[inch]	[mm]				
L-PATH series															
L-PATH 100KF-12	B-PATH 100KF-12	L-PATH 100KF-12-FI	4	100	1 1/4	32	440	200	ball bearing (C)	5 1/8	130	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 7/16
L-PATH 125KF-12	B-PATH 125KF-12	L-PATH 125KF-12-FI	5	125	1 1/4	32	550	250	ball bearing (C)	6 1/8	155	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 1/2
L-ALTH series															
L-ALTH 100K-12	B-ALTH 100K-12	L-ALTH 100K-12-FI	4	100	1 9/16	40	550	250	ball bearing	5 1/8	130	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 7/16
L-ALTH 125K-12	B-ALTH 125K-12	L-ALTH 125K-12-FI	5	125	1 9/16	40	550	250	ball bearing	6 1/8	155	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 1/2
L-ALST series															
L-ALST 100K-12	B-ALST 100K-12	L-ALST 100K-12-FI	4	100	1 9/16	40	550	250	ball bearing	5 1/8	130	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 7/16
L-ALST 125K-12	B-ALST 125K-12	L-ALST 125K-12-FI	5	125	1 9/16	40	550	250	ball bearing	6 1/8	155	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 1/2

For other wheel series, see pages 64, 66

Versions / options*



	Swivel lock (separate) 1 x 360°	Wheel with soft polyurethane on nylon center	Electrically conductive version, non-marking gray **	Antistatic version, non-marking gray	Antistatic version, non-marking dark gray	Stainless steel version	More options with this bolt hole pattern
Product code suffix	-RI-03.12	POBS series	-ELS	-AS	-AS	LEX series	
Available for	All sizes	Consult factory	See PATH...-ELS series (page 150)	See ALTH...-AS series (page 153)	See ALST...-AS series (page 154)	Refer to page 78–80	Refer to pages 60–63

* For more options with wheel-Ø 3" + 3 1/8", consult factory

** Wheel load capacity of electrically conductive version reduced by 35 %

L/B-12 series

Pressed steel casters, medium-duty version, with top plate, with nylon wheel

400–550 lbs

RoHS



L-POG, plain bore version

B-POG, ball bearing version

L-POW...-FI

Rig: L/B series

- Pressed steel, zinc-plated, blue-passivated, Cr6-free

Swivel rig:

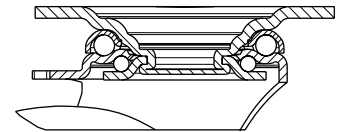
- Double ball bearing in the swivel head
- Minimum swivel head play and smooth rolling characteristic and increased service life due to the special dynamic Blickle riveting process

Additional details:

- Rig series: page 35
- Brakes: page 43–44
- Wheel series: page 125, 127
- Bearing types: page 21

Wheels:

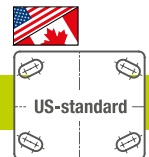
- POG series
 - High-quality nylon 6, impact resistant, hardness 70 Shore D, color gray
- POW series
 - High-quality nylon 6, impact resistant, hardness 70 Shore D, color white
 - Low-noise operation (-10 decibels) with elastic cushion layer made from elastic solid rubber, color red



Swivel casters	Rigid casters	Swivel casters with "stop-fix" brake	Wheel Ø		Wheel width		Load capacity		Bearing type	Total height		Plate size	Bolt hole spacing	Bolt hole Ø	Swivel lead
			[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]		[inch]	[mm]				
L-POG series															
L-POG 89G-12	B-POG 89G-12	L-POG 89G-12-FI	3 1/2	89	1 1/4	32	400	180	plain bore	4 11/16	119	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 7/16
L-POG 89KA-12	B-POG 89KA-12	L-POG 89KA-12-FI	3 1/2	89	1 1/4	32	400	180	ball bearing (C)	4 11/16	119	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 7/16
L-POG 100G-12	B-POG 100G-12	L-POG 100G-12-FI	4	100	1 7/16	37	550	250	plain bore	5 1/8	130	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 7/16
L-POG 100KA-12	B-POG 100KA-12	L-POG 100KA-12-FI	4	100	1 7/16	37	550	250	ball bearing (C)	5 1/8	130	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 7/16
L-POG 125G-12	B-POG 125G-12	L-POG 125G-12-FI	5	125	1 9/16	40	550	250	plain bore	6 1/8	155	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 1/2
L-POG 125KA-12	B-POG 125KA-12	L-POG 125KA-12-FI	5	125	1 9/16	40	550	250	ball bearing (C)	6 1/8	155	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 1/2
L-POW series															
L-POW 100KF-12	B-POW 100KF-12	L-POW 100KF-12-FI	4	100	1 3/8	35	440	200	ball bearing (C)	5 1/8	130	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 7/16
L-POW 125KF-12	B-POW 125KF-12	L-POW 125KF-12-FI	5	125	1 3/8	35	485	220	ball bearing (C)	6 1/8	155	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 1/2

For other wheel series, see pages 64–65

Versions / options*



	Swivel lock (separate) 1 x 360°	Nylon wheel in white color	Nylon wheel in black color	Electrically conductive version, non-marking gray	Heat-resistant version	Stainless steel version	More options with this bolt hole pattern
Product code suffix	-RI-03.12	PO series	POA series	-ELS	LIKPA / LI series	LKPA series	
Available for	All sizes	Consult factory	Consult factory	See PO...-ELS series (page 151)	Refer to page 95–96	Refer to page 62–63	Refer to pages 60–63

* For more options with wheel-Ø 3" + 3 1/8", consult factory

L/B series

Pressed steel casters, medium-duty version, with top plate, heavy-duty wheel with super-elastic solid rubber tire

990 lbs

RoHS

Rig: L/B series

- Pressed steel, zinc-plated, blue-passivated, Cr6-free

Swivel rig:

- Double ball bearing in the swivel head
- Strong central kingpin
- Minimum swivel head play and smooth rolling characteristic and increased service life due to the special dynamic Blickle riveting process

Wheel: VLE series

- Tire: super-elastic solid rubber, hardness 70 Shore A, color black, 2-component tire, highly-elastic, abrasion-resistant tread
- Rim: heavy pressed steel, zinc-plated, blue-passivated, Cr6-free

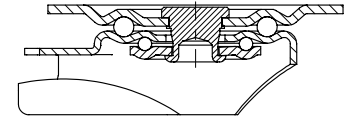
Additional details:

- Rig series: page 35
- Brakes: page 43–44
- Wheel series: page 122
- Bearing types: page 21



Ribbed profile

Sawtooth profile



3

Swivel casters	Rigid casters	Swivel casters with "stop-top" brake	Wheel Ø		Wheel width		Load capacity		Bearing type	Total height		Plate size	Bolt hole spacing	Bolt hole Ø	Swivel lead	Profile
			[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]		[inch]	[mm]					
L-VLE series																
L-VLE 250K	B-VLE 250K	L-VLE 250K-ST	10	250	3 3/8	85	990	450	ball bearing	11 5/8	295	175 x 175	140 x 140	9/16	2 3/4	R50
L-VLE 255K		L-VLE 255K-ST	10	250	3 3/8	85	990	450	ball bearing	11 5/8	295	220 x 130	190 x 75	9/16	2 3/4	B51
	B-VLE 255K		10	250	3 3/8	85	990	450	ball bearing	11 5/8	295	175 x 175	140 x 140	9/16	2 3/4	B51
			10	250	3 3/8	85	990	450	ball bearing	11 5/8	295	220 x 130	190 x 75	9/16	2 3/4	B51

Profile types: R = ribbed profile, B = sawtooth profile, see page 123 for image

Versions / options



	With non-marking gray tire	Antistatic version, black tire	Welded steel heavy-duty casters, heavy-duty swivel head	More heavy-duty casters
Product code suffix	-SG	-AS	LS-VLE series	LS-P/PS series
Available for	Consult factory	Consult factory	Consult factory	Consult factory

LER series

Pressed steel casters with hollow kingpin, wheel with thermoplastic rubber tread / "Blickle EasyRoll" elastic solid rubber tire

220–660 lbs

RoHS



LER-TPA

LER-POEV...-SG
Blickle
EasyRoll

LER-ALEV...-FI
Blickle
EasyRoll

Rig: LER series

- Pressed steel, zinc-plated, blue-passivated, Cr6-free
- Double ball bearing in the swivel head
- Strong central kingpin
- Minimum swivel head play and smooth rolling characteristic and increased service life due to the special dynamic Blickle riveting process

Additional details:

- Rig series: page 35
- Brakes: page 43–44
- Wheel series: page 107, 105, 106
- Bearing types: page 21

Wheels:

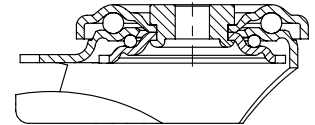
- TPA series
- Tread: high-quality thermoplastic rubber-elastomer (TPE), hardness 85 Shore A, color gray, non-marking, oil containing
 - Wheel center: high-quality polypropylene, impact resistant, color silver gray ("ELS" version color black)

POEV series

- Tire: high-quality elastic solid rubber "Blickle EasyRoll" in smooth rolling quality, hardness 65 Shore A, color gray
- Wheel center: high-quality nylon 6, impact resistant, color black

ALEV series

- Tire: high-quality elastic solid rubber "Blickle EasyRoll" in smooth rolling quality, hardness 65 Shore A, color black
- Wheel center: die-cast aluminum, color silver gray



Swivel casters	Swivel casters with "stop-fix" brake	Wheel Ø		Wheel width		Load capacity		Bearing type	Total height		Plate Ø	For mounting bolt [inch]	Swivel lead [inch]
		[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]		[inch]	[mm]			
LER-TPA series													
LER-TPA 80KF	LER-TPA 80KF-FI	3 1/8	80	1 1/4	32	220	100	ball bearing (C)	4	102	2 3/4	1/2	1 1/2
LER-TPA 102KF	LER-TPA 102KF-FI	4	100	1 1/4	32	245	110	ball bearing (C)	4 15/16	125	2 3/4	1/2	1 7/16
LER-TPA 127KF	LER-TPA 127KF-FI	5	125	1 1/4	32	275	125	ball bearing (C)	5 7/8	150	2 3/4	1/2	1 1/2
LER-TPA 160KA	LER-TPA 160KA-FI	6 5/16	160	1 9/16	40	440	200	ball bearing (C)	7 11/16	195	3 7/16	1/2	2 1/8
LER-TPA 200KA	LER-TPA 200KA-FI	8	200	1 9/16	40	550	250	ball bearing (C)	9 1/4	235	3 7/16	1/2	2 1/8
LER-POEV series													
LER-POEV 60KF-SG	LER-POEV 60KF-RA-SG*	2 3/8	60	1 5/16	34	265	120	ball bearing (CC)	3 1/8	80	2 3/4	1/2	1 3/8
LER-POEV 80KF-SG	LER-POEV 80KF-FI-SG	3 1/8	80	1 1/4	32	310	140	ball bearing (C)	4	102	2 3/4	1/2	1 1/2
LER-POEV 100KA-SG	LER-POEV 100KA-FI-SG	4	100	1 1/4	32	330	150	ball bearing (C)	4 15/16	125	2 3/4	1/2	1 7/16
LER-POEV 125KA-SG	LER-POEV 125KA-FI-SG	5	125	1 7/16	37	330	150	ball bearing (C)	5 7/8	150	2 3/4	1/2	1 1/2
LER-POEV 160KA-SG	LER-POEV 160KA-FI-SG	6 5/16	160	2	50	660	300	ball bearing	7 11/16	195	3 7/16	1/2	2 1/8
LER-POEV 200KA-SG	LER-POEV 200KA-FI-SG	8	200	2	50	660	300	ball bearing	9 1/4	235	3 7/16	1/2	2 1/8
LER-ALEV series													
LER-ALEV 100K	LER-ALEV 100K-FI	4	100	1 9/16	40	330	150	ball bearing	4 15/16	125	2 3/4	1/2	1 7/16
LER-ALEV 125K	LER-ALEV 125K-FI	5	125	1 9/16	40	330	150	ball bearing	5 7/8	150	2 3/4	1/2	1 1/2
LER-ALEV 160K	LER-ALEV 160K-FI	6 5/16	160	2	50	660	300	ball bearing	7 11/16	195	3 7/16	1/2	2 1/8
LER-ALEV 200K	LER-ALEV 200K-FI	8	200	2	50	660	300	ball bearing	9 1/4	235	3 7/16	1/2	2 1/8

* Swivel caster with Blickle "Radstop" wheel brake, with black synthetic brake lever

For other wheel series, see page 69; for stainless steel versions, see page 70

Versions / options



	With synthetic foot guard	With steel foot guard	Electrically conductive version, non-marking gray *	Electrically conductive version, black tire	Antistatic version, non-marking, gray tire	With non-marking blue rubber tire	Heavy-duty 1/2" hollow kingpin swivel casters up to 770 lbs
Product code suffix	-FP	-FS	-ELS	-EL	-SG-AS	-SB	-LKR series
Available for	Wheel Ø 5" Consult factory	Consult factory	See TPA...-ELS series (page 149)	See ALEV...-EL series (page 148)	See ALEV...-SG-AS series (page 152)	POEV series Consult factory	Refer to page 75–77

* Wheel load capacity of electrically conductive version reduced by 35 %

LER series

Pressed steel casters with hollow kingpin, wheel with thermoplastic polyurethane tread / nylon wheel

330–660 lbs

RoHS

Rig: LER series

- Pressed steel, zinc-plated, blue-passivated, Cr6-free
- Double ball bearing in the swivel head
- Strong central kingpin
- Minimum swivel head play and smooth rolling characteristic and increased service life due to the special dynamic Blickle riveting process

Additional details:

- Rig series: page 35
- Brakes: page 43–44
- Wheel series: page 108, 125
- Bearing types: page 21

Wheels:

PATH series

- Tread: high-quality thermoplastic polyurethane (TPU), hardness 94 Shore A, color dark gray, non-marking, non-staining
- Wheel center: high-quality nylon 6, impact resistant, color silver gray

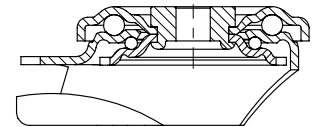
POG series

- High-quality nylon 6, impact resistant, hardness 70 Shore D, color gray



LER-PATH

LER-POG...-FI



Swivel casters	Swivel casters with "stop-fix" brake	Wheel Ø		Wheel width		Load capacity		Bearing type	Total height		Plate Ø	For mounting bolt [inch]	Swivel lead [inch]
		[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]		[inch]	[mm]			
LER-PATH series													
LER-PATH 80KF	LER-PATH 80KF-FI	3 1/8	80	1 1/4	32	330	150	ball bearing (C)	4	102	2 3/4	1/2	1 1/2
LER-PATH 100KF	LER-PATH 100KF-FI	4	100	1 1/4	32	330	150	ball bearing (C)	4 15/16	125	2 3/4	1/2	1 7/16
LER-PATH 125KF	LER-PATH 125KF-FI	5	125	1 1/4	32	330	150	ball bearing (C)	5 7/8	150	2 3/4	1/2	1 1/2
LER-PATH 160KA	LER-PATH 160KA-FI	6 5/16	160	1 9/16	40	660	300	ball bearing (C)	7 11/16	195	3 7/16	1/2	2 1/8
LER-PATH 200KA	LER-PATH 200KA-FI	8	200	1 9/16	40	660	300	ball bearing (C)	9 1/4	235	3 7/16	1/2	2 1/8
LER-POG series													
LER-POG 80G	LER-POG 80G-FI	3 1/8	80	1 1/4	32	330	150	plain bore	4	102	2 3/4	1/2	1 1/2
LER-POG 80KA	LER-POG 80KA-FI	3 1/8	80	1 1/4	32	330	150	ball bearing (C)	4	102	2 3/4	1/2	1 1/2
LER-POG 100G	LER-POG 100G-FI	4	100	1 7/16	37	330	150	plain bore	4 15/16	125	2 3/4	1/2	1 7/16
LER-POG 100KA	LER-POG 100KA-FI	4	100	1 7/16	37	330	150	ball bearing (C)	4 15/16	125	2 3/4	1/2	1 7/16
LER-POG 125G	LER-POG 125G-FI	5	125	1 9/16	40	330	150	plain bore	5 7/8	150	2 3/4	1/2	1 1/2
LER-POG 125KA	LER-POG 125KA-FI	5	125	1 9/16	40	330	150	ball bearing (C)	5 7/8	150	2 3/4	1/2	1 1/2
LER-POG 150G	LER-POG 150G-FI	6	150	2	50	660	300	plain bore	7 1/2	190	3 7/16	1/2	2 1/8
LER-POG 150K	LER-POG 150K-FI	6	150	2	50	660	300	ball bearing	7 1/2	190	3 7/16	1/2	2 1/8
LER-POG 200G	LER-POG 200G-FI	8	200	2	50	660	300	plain bore	9 1/4	235	3 7/16	1/2	2 1/8
LER-POG 200K	LER-POG 200K-FI	8	200	2	50	660	300	ball bearing	9 1/4	235	3 7/16	1/2	2 1/8

For other wheel series, see page 68; for stainless steel versions, see page 71

Versions / options



	With synthetic foot guard	With steel foot guard	Electrically conductive version, non-marking gray *	Electrically conductive version, non-marking gray *	Nylon wheel with noise damping rubber ring	Heavy-duty 1/2" hollow kingpin swivel casters up to 770 lbs
Product code suffix	-FP	-FS	-ELS	-ELS	LER-POW series	LKR series
Available for	Wheel Ø 5" Consult factory	Consult factory	See PATH...-ELS series (page 150)	See PO...-ELS series (page 151)	Consult factory	Refer to page 75–77

* Wheel load capacity of electrically conductive version reduced by 35 %

LEXR series

**Stainless steel casters with hollow kingpin,
wheel with thermoplastic rubber tread /
"Blickle EasyRoll" elastic solid rubber tire**

245–660 lbs

RoHS



LEXR-TPA

LEXR-POEV...-FI-SG

Rig: LEXR series

- High-quality chromium-nickel steel (1.4301/ AISI 304), stainless steel, vibration-ground finishing
- Double ball bearing in the swivel head
- strong central kingpin
- Minimum swivel head play and smooth rolling characteristic and increased service life due to the special dynamic Blickle riveting process
- All parts including axle material are corrosion-resistant

Wheels:

POEV series

- Tire: high-quality elastic solid rubber "Blickle EasyRoll" in smooth rolling quality, hardness 65 Shore A, color gray
- Wheel center: high-quality nylon 6, impact resistant, color black

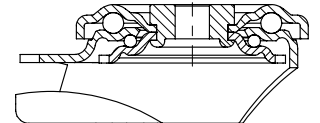
TPA series

- Tread: high-quality thermoplastic rubber-elastomer (TPE), hardness 85 Shore A, color gray, non-marking, oil containing
- Wheel center: high-quality polypropylene, impact resistant, color silver gray ("ELS" version color black)

Additional details:

- Rig series: page 35
- Brakes: page 43–44
- Wheel series: page 107, 105
- Bearing types: page 21

3



Swivel casters	Swivel casters with "stop-fix" brake	Wheel Ø		Wheel width		Load capacity		Bearing type	Total height		Plate Ø	For mounting bolt [inch]	Swivel lead [inch]
		[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]		[inch]	[mm]			
LEXR-TPA series													
LEXR-TPA 102G	LEXR-TPA 102G-FI	4	100	1 1/4	32	245	110	plain bore	4 15/16	125	2 3/4	1/2	1 7/16
LEXR-TPA 127G	LEXR-TPA 127G-FI	5	125	1 1/4	32	275	125	plain bore	5 7/8	150	2 3/4	1/2	1 1/2
LEXR-TPA 160G	LEXR-TPA 160G-FI	6 5/16	160	1 9/16	40	440	200	plain bore	7 11/16	195	3 7/16	1/2	2 1/8
LEXR-TPA 200G	LEXR-TPA 200G-FI	8	200	1 9/16	40	550	250	plain bore	9 1/4	235	3 7/16	1/2	2 1/8
LEXR-POEV series													
LEXR-POEV 100XKA-SG	LEXR-POEV 100XKA-FI-SG	4	100	1 1/2	38	330	150	ball bearing (C)	4 15/16	125	2 3/4	1/2	1 7/16
LEXR-POEV 125XKA-SG	LEXR-POEV 125XKA-FI-SG	5	125	1 7/16	40	330	150	ball bearing (C)	5 7/8	150	2 3/4	1/2	1 1/2
LEXR-POEV 160XKA-SG	LEXR-POEV 160XKA-FI-SG	6 5/16	160	2	50	660	300	ball bearing (CC)	7 11/16	195	3 7/16	1/2	2 1/8
LEXR-POEV 200XKA-SG	LEXR-POEV 200XKA-FI-SG	8	200	2	50	660	300	ball bearing (CC)	9 1/4	235	3 7/16	1/2	2 1/8

For other wheel series, see page 71

Versions / options



	With stainless steel stem fitting	With stainless steel roller bearing in the wheel	Electrically conductive version, non-marking gray *	With synthetic foot guard	Wheel with soft rubber tire (55 Shore A)	Wheel with soft polyurethane on nylon center
Product code suffix	LEXZ series	-XR	-ELS	-FP	POES series	POBS series
Available for	Consult factory	Consult factory	See TPA...-ELS series (page 149)	Wheel Ø 5" Consult factory	Consult factory	Consult factory

* Wheel load capacity of electrically conductive version reduced by 35 %

LEXR series

Stainless steel casters with hollow kingpin, wheel with thermoplastic polyurethane tread / nylon wheel

330–660 lbs

RoHS

Rig: LEXR series

- High-quality chromium-nickel steel (1.4301/ AISI 304), stainless steel, vibration-ground finishing
- Double ball bearing in the swivel head
- strong central kingpin
- Minimum swivel head play and smooth rolling characteristic and increased service life due to the special dynamic Blickle riveting process
- All parts including axle material are corrosion-resistant

Wheels:

PATH series

- Tread: high-quality thermoplastic polyurethane (TPU), hardness 94 Shore A, color dark gray, non-marking, non-staining
- Wheel center: high-quality nylon 6, impact resistant, color silver gray

POG series

- High-quality nylon 6, impact resistant, hardness 70 Shore D, color gray

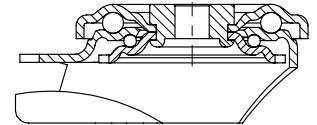
Additional details:

- Rig series: page 35
- Brakes: page 43–44
- Wheel series: page 108, 125
- Bearing types: page 21



LEXR-PATH

LEXR-POG...-FI



Swivel casters	Swivel casters with "stop-fix" brake	Wheel Ø		Wheel width		Load capacity		Bearing type	Total height		Plate Ø	For mounting bolt [inch]	Swivel lead [inch]
		[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]		[inch]	[mm]			
LEXR-PATH series													
LEXR-PATH 100KFD	LEXR-PATH 100KFD-FI	4	100	1 1/4	32	330	150	ball bearing (C)	4 15/16	125	2 3/4	1/2	1 7/16
LEXR-PATH 125KFD	LEXR-PATH 125KFD-FI	5	125	1 1/4	32	330	150	ball bearing (C)	5 7/8	150	2 3/4	1/2	1 1/2
LEXR-PATH 160KAD	LEXR-PATH 160KAD-FI	6 5/16	160	1 9/16	40	660	300	ball bearing (C)	7 11/16	195	3 7/16	1/2	2 1/8
LEXR-PATH 200KAD	LEXR-PATH 200KAD-FI	8	200	1 9/16	40	660	300	ball bearing (C)	9 1/4	235	3 7/16	1/2	2 1/8
LEXR-POG series													
LEXR-POG 100G	LEXR-POG 100G-FI	4	100	1 7/16	37	330	150	plain bore	4 15/16	125	2 3/4	1/2	1 7/16
LEXR-POG 125G	LEXR-POG 125G-FI	5	125	1 9/16	40	330	150	plain bore	5 7/8	150	2 3/4	1/2	1 1/2
LEXR-POG 150G	LEXR-POG 150G-FI	6	150	2	50	660	300	plain bore	7 1/2	190	3 7/16	1/2	2 1/8
LEXR-POG 200G	LEXR-POG 200G-FI	8	200	2	50	660	300	plain bore	9 1/4	235	3 7/16	1/2	2 1/8

For other wheel series, see page 70

Versions / options



	With stainless steel stem fitting	Electrically conductive version, non-marking gray *	Electrically conductive version, non-marking gray	With synthetic foot guard	Nylon wheel (PO) with noise damping rubber ring **
Product code suffix	LEXZ series	-ELS	-ELS	-FP	LEXR-POW series
Available for	Consult factory	See PATH...-ELS series (page 150)	See PO...-ELS series (page 151)	Wheel Ø 5" Consult factory	Consult factory

* Wheel load capacity of electrically conductive version reduced by 35 %

** With stainless steel roller bearing

LE/BES, LK/BKS-14 series

Pressed steel casters with top plate,
wheel with soft rubber tire "Blickle SoftMotion" /
"Blickle EasyRoll" elastic solid rubber tire

375–660 lbs

RoHS

Rig: LE/BES, LK/BKS series

- LE: pressed steel, zinc-plated, blue-passivated, Cr6-free
- LK: strong pressed steel, zinc-plated, blue-passivated, Cr6-free

Swivel rig:

- Double ball bearing in the swivel head
- Swivel head seal
- Minimum swivel head play and smooth rolling characteristic and increased service life due to the special dynamic Blickle riveting process

Additional details:

- Rig series: page 35–36
- Brakes: page 43–44
- Wheel series: page 104, 105, 106
- Bearing types: page 21

Wheels:

- ALES series**
- Tire: high-quality elastic solid rubber "Blickle SoftMotion", hardness 55 Shore A, color gray, non-marking
 - Wheel center: die-cast aluminum, color silver gray

POEV series

- Tire: high-quality elastic solid rubber "Blickle EasyRoll" in smooth rolling quality, hardness 65 Shore A, color gray
- Wheel center: high-quality nylon 6, impact resistant, color black

ALEV series

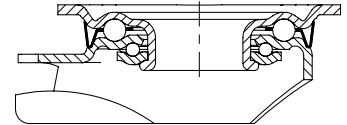
- Tire: high-quality elastic solid rubber "Blickle EasyRoll" in smooth rolling quality, hardness 65 Shore A, color black
- Wheel center: die-cast aluminum, color silver gray



LE-ALES
 Blickle SoftMotion

BES-POEV-SG
 Blickle EasyRoll

LK-ALEV...-FI
 Blickle EasyRoll



Swivel casters	Rigid casters	Swivel casters with "stop-fix" brake	Wheel Ø		Wheel width		Load capacity		Bearing type	Total height		Plate size [inch]	Bolt hole spacing [inch]	Bolt hole Ø [inch]	Swivel lead [inch]
			[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]		[inch]	[mm]				
LE-ALES series															
LE-ALES 150K-14-SG	BES-ALES 150K-14-SG	LE-ALES 150K-14-FI-SG	6	150	2	50	620	280	ball bearing (C)	7 1/2	190	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	3/8	2 1/8
LE-ALES 160K-14-SG	BES-ALES 160K-14-SG	LE-ALES 160K-14-FI-SG	6 5/16	160	2	50	660	300	ball bearing (C)	7 11/16	195	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	3/8	2 1/8
LE-ALES 200K-14-SG	BES-ALES 200K-14-SG	LE-ALES 200K-14-FI-SG	8	200	2	50	660	300	ball bearing (C)	9 1/4	235	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	3/8	2 1/8
LK/LE-POEV series															
LK-POEV 82KF-14-SG	BKS-POEV 82KF-14-SG	LK-POEV 82KF-14-FI-SG	3 1/8	80	1 9/16	40	375	170	ball bearing (C)	4 5/16	110	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	3/8	1 9/16
LK-POEV 100KA-14-SG	BKS-POEV 100KA-14-SG	LK-POEV 100KA-14-FI-SG	4	100	1 1/4	32	440	200	ball bearing (C)	5 1/8	130	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	3/8	1 3/4
LK-POEV 125KA-14-SG	BKS-POEV 125KA-14-SG	LK-POEV 125KA-14-FI-SG	5	125	1 7/16	37	550	250	ball bearing (C)	6 1/8	155	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	3/8	1 7/8
LE-POEV 160KA-14-SG	BES-POEV 160KA-14-SG	LE-POEV 160KA-14-FI-SG	6 5/16	160	2	50	660	300	ball bearing (C)	7 11/16	195	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	3/8	2 1/8
LE-POEV 200KA-14-SG	BES-POEV 200KA-14-SG	LE-POEV 200KA-14-FI-SG	8	200	2	50	660	300	ball bearing (C)	9 1/4	235	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	3/8	2 1/8
LK/LE-ALEV series															
LK-ALEV 100K-14	BKS-ALEV 100K-14	LK-ALEV 100K-14-FI	4	100	1 9/16	40	440	200	ball bearing (C)	5 1/8	130	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	3/8	1 3/4
LK-ALEV 125K-14	BKS-ALEV 125K-14	LK-ALEV 125K-14-FI	5	125	1 9/16	40	550	250	ball bearing (C)	6 1/8	155	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	3/8	1 7/8
LE-ALEV 150K-14	BES-ALEV 150K-14	LE-ALEV 150K-14-FI	6	150	2	50	660	300	ball bearing (C)	7 1/2	190	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	3/8	2 1/8
LE-ALEV 200K-14	BES-ALEV 200K-14	LE-ALEV 200K-14-FI	8	200	2	50	660	300	ball bearing (C)	9 1/4	235	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	3/8	2 1/8

For other wheel series, see page 73–74

Versions / options *



	With "stop-top" brake	With "central-stop" central brake system **	With swivel lock (separate) 1x 360° ***	With non-marking blue tire	Electrically conductive version, black tire	Antistatic version, non-marking, gray tire	Wheel with soft rubber tire "Blickle SoftMotion", nylon wheel center
Product code suffix	-ST	-CS ^{7/16} / -CS11	RI-04-14	-SB	-EL	-SG-AS	LE-POES series
Available for	Consult factory	Consult factory	All sizes	POEV series Consult factory	See ALEV...-EL series (page 148)	See ALEV...-SG-AS series (page 152)	Consult factory

* **Other versions / options:** 1. Heat resistant version (LIK / LIE series), consult factory; 2. European metric top plate fitting, consult factory; 3. More options with this bolt hole pattern, refer to page 78–84

** Available with 7/16" or 11 mm switch cam

*** Only for swivel casters without "stop-fix" brake

LE/BES, LK/BKS-14 series

**Pressed steel casters with top plate,
wheel with thermoplastic polyurethane tread /
nylon wheel**

330–770 lbs

RoHS

Rig: LE/BES, LK/BKS series

- LE: pressed steel, zinc-plated, blue-passivated, Cr6-free

- LK: strong pressed steel, zinc-plated, blue-passivated, Cr6-free

Swivel rig:

- Double ball bearing in the swivel head
- Swivel head seal
- Minimum swivel head play and smooth rolling characteristic and increased service life due to the special dynamic Blickle riveting process

Additional details:

- Rig series: page 35–36
- Brakes: page 43–44
- Wheel series: page 108, 109, 125
- Bearing types: page 21

Wheels:

PATH series

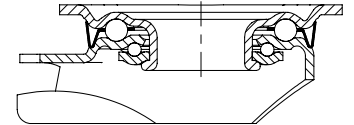
- Tread: high-quality thermoplastic polyurethane (TPU), hardness 94 Shore A, color dark gray, non-marking, non-staining
- Wheel center: high-quality nylon 6, impact resistant, color silver gray

POTH series

- Tread: high-quality thermoplastic polyurethane (TPU), hardness 94 Shore A, color dark gray, non-marking, non-staining
- Wheel center: high-quality nylon 6, impact resistant, color natural white

POG series

- High-quality nylon 6, impact resistant, hardness 70 Shore D, color gray



Swivel casters	Rigid casters	Swivel casters with "stop-fix" brake	Wheel Ø [inch] [mm]	Wheel width [inch] [mm]	Load capacity [lbs] [kg]	Bearing type	Total height [inch] [mm]	Plate size [inch]	Bolt hole spacing [inch]	Bolt hole Ø [inch]	Swivel lead [inch]				
LK/LE-PATH series															
LK-PATH 80KF-14	BKS-PATH 80KF-14	LK-PATH 80KF-14-FI	3 1/8	80	1 1/4	32	330	150	ball bearing (C)	4 5/16	110	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	1 9/16
LK-PATH 100KF-14	BKS-PATH 100KF-14	LK-PATH 100KF-14-FI	4	100	1 1/4	32	440	200	ball bearing (C)	5 1/8	130	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	1 3/4
LK-PATH 125KF-14	BKS-PATH 125KF-14	LK-PATH 125KF-14-FI	5	125	1 1/4	32	550	250	ball bearing (C)	6 1/8	155	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	1 7/8
LE-PATH 160KA-14	BES-PATH 160KA-14	LE-PATH 160KA-14-FI	6 5/16	160	1 9/16	40	660	300	ball bearing (C)	7 11/16	195	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	2 1/8
LE-PATH 200KA-14	BES-PATH 200KA-14	LE-PATH 200KA-14-FI	8	200	1 9/16	40	660	300	ball bearing (C)	9 1/4	235	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	2 1/8
LK/LE-POTH series															
LK-POTH 100KA-14	BKS-POTH 100KA-14	LK-POTH 100KA-14-FI	4	100	1 3/8	35	660	300	ball bearing (C)	5 1/8	130	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	1 3/4
LK-POTH 125KA-14	BKS-POTH 125KA-14	LK-POTH 125KA-14-FI	5	125	1 9/16	40	770	350	ball bearing (C)	6 1/8	155	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	1 7/8
LE-POTH 150K-14	BES-POTH 150K-14	LE-POTH 150K-14-FI	6	150	1 3/4	45	660	300	ball bearing	7 1/2	190	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	2 1/8
LE-POTH 200K-14	BES-POTH 200K-14	LE-POTH 200K-14-FI	8	200	2	50	660	300	ball bearing	9 1/4	235	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	2 1/8
LK/LE-POG series															
LK-POG 82K-14	BKS-POG 82K-14	LK-POG 82K-14-FI	3 1/8	80	1 7/16	37	550	250	ball bearing	4 5/16	110	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	1 9/16
LK-POG 100KA-14	BKS-POG 100KA-14	LK-POG 100KA-14-FI	4	100	1 7/16	37	615	280	ball bearing (C)	5 1/8	130	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	1 3/4
LK-POG 125KA-14	BKS-POG 125KA-14	LK-POG 125KA-14-FI	5	125	1 9/16	40	660	300	ball bearing (C)	6 1/8	155	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	1 7/8
LE-POG 150G-14	BES-POG 150G-14	LE-POG 150G-14-FI	6	150	2	50	660	300	plain bore	7 1/2	190	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	2 1/8
LE-POG 200G-14	BES-POG 200G-14	LE-POG 200G-14-FI	8	200	2	50	660	300	plain bore	9 1/4	235	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	2 1/8

For other wheel series, see page 72, 74

Versions / options *



Product code suffix	-ST	-CS ^{7/16} / -CS11	RI-04-14	-ELS	-ELS	LK-POW series	LIK / LIE series
Available for	Consult factory	Consult factory	All sizes	See PATH...-ELS series (page 150)	See PO...-ELS series (page 151)	Consult factory	Consult factory

* Other versions / options: 1. Steel foot guard (-FS), consult factory; 2. With thread guard, pressed steel, zinc-plated (-FA), consult factory; 3. European metric top plate fitting, consult factory;

4. More options with this bolt hole pattern, refer to page 78–84

** Available with 7/16" or 11 mm switch cam

*** Only for swivel casters without "stop-fix" brake

**** Wheel load capacity of electrically conductive version reduced by 35 %

LE/BES, LK/BKS-14 series

**Pressed steel casters with top plate,
wheel with Blickle Extrathane® / Blickle Softhane® /
Blickle Besthane® Soft polyurethane tread**

660–770 lbs

RoHS



Rig: LE/BES, LK/BKS series

- LE: pressed steel, zinc-plated, blue-passivated, Cr6-free
- LK: strong pressed steel, zinc-plated, blue-passivated, Cr6-free

Swivel rig:

- Double ball bearing in the swivel head
- Swivel head seal
- Minimum swivel head play and smooth rolling characteristic and increased service life due to the special dynamic Blickle riveting process

Additional details:

- Rig series: page 35–36
- Brakes: page 43–44
- Wheel series: page 110, 119, 121
- Bearing types: page 21

Wheels:

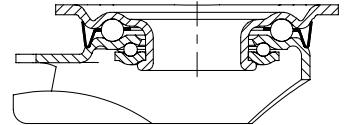
- ALTH series**
- Tread: high-quality polyurethane elastomer Blickle Extrathane®, hardness 92 Shore A, color light brown, non-marking, non-staining
 - Wheel center: die-cast aluminum, color silver gray

ALST series

- Tread: high-quality polyurethane elastomer Blickle Softhane®, hardness 75 Shore A, color green, non-marking, non-staining
- Wheel center: die-cast aluminum, color silver gray

ALBS series

- Tread: high-quality polyurethane elastomer Blickle Besthane® Soft, hardness 75 Shore A, color blue, non-marking, non-staining
- Wheel center: die-cast aluminum, color silver gray



Swivel casters	Rigid casters	Swivel casters with "stop-fix" brake	Wheel Ø		Wheel width		Load capacity		Bearing type	Total height		Plate size	Bolt hole spacing	Bolt hole Ø	Swivel lead
			[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]		[inch]	[mm]				
LK/LE-ALTH series															
LK-ALTH 100K-14	BKS-ALTH 100K-14	LK-ALTH 100K-14-FI	4	100	1 9/16	40	770	350	ball bearing	5 1/8	130	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	1 3/4
LK-ALTH 125K-14	BKS-ALTH 125K-14	LK-ALTH 125K-14-FI	5	125	1 9/16	40	770	350	ball bearing	6 1/8	155	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	1 7/8
LE-ALTH 150K-14	BES-ALTH 150K-14	LE-ALTH 150K-14-FI	6	150	2	50	660	300	ball bearing	7 1/2	190	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	2 1/8
LE-ALTH 200K-14	BES-ALTH 200K-14	LE-ALTH 200K-14-FI	8	200	2	50	660	300	ball bearing	9 1/4	235	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	2 1/8
LK/LE-ALST series															
LK-ALST 100K-14	BKS-ALST 100K-14	LK-ALST 100K-14-FI	4	100	1 9/16	40	705	320	ball bearing	5 1/8	130	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	1 3/4
LK-ALST 125K-14	BKS-ALST 125K-14	LK-ALST 125K-14-FI	5	125	1 9/16	40	770	350	ball bearing	6 1/8	155	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	1 7/8
LE-ALST 150K-14	BES-ALST 150K-14	LE-ALST 150K-14-FI	6	150	2	50	660	300	ball bearing	7 1/2	190	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	2 1/8
LE-ALST 150K-14-CO *	BES-ALST 150K-14-CO *	LE-ALST 150K-14-FI-CO *	6	150	2	50	660	300	ball bearing	7 1/2	190	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	2 1/8
LE-ALST 200K-14	BES-ALST 200K-14	LE-ALST ALST-14-FI	8	200	2	50	660	300	ball bearing	9 1/4	235	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	2 1/8
LE-ALST 200K-14-CO *	BES-ALST 200K-14-CO *	LE-ALST ALST-14-FI-CO *	8	200	2	50	660	300	ball bearing	9 1/4	235	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	2 1/8
LK/LE-ALBS series															
LK-ALBS 100K-14	BKS-ALBS 100K-14	LK-ALBS 100K-14-FI	4	100	1 9/16	40	705	320	ball bearing	5 1/8	130	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	1 3/4
LK-ALBS 125K-14	BKS-ALBS 125K-14	LK-ALBS 125K-14-FI	5	125	1 9/16	40	770	350	ball bearing	6 1/8	155	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	1 7/8
LE-ALBS 150K-14	BES-ALBS 150K-14	LE-ALBS 150K-14-FI	6	150	2	50	660	300	ball bearing	7 1/2	190	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	2 1/8
LE-ALBS 150K-14-CO *	BES-ALBS 150K-14-CO *	LE-ALBS 150K-14-FI-CO *	6	150	2	50	660	300	ball bearing	7 1/2	190	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	2 1/8
LE-ALBS 200K-14	BES-ALBS 200K-14	LE-ALBS 200K-14-FI	8	200	2	50	660	300	ball bearing	9 1/4	235	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	2 1/8
LE-ALBS 200K-14-CO *	BES-ALBS 200K-14-CO *	LE-ALBS 200K-14-FI-CO *	8	200	2	50	660	300	ball bearing	9 1/4	235	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	2 1/8

* With extra crowned running tread

For other wheel series, see page 72–73



Versions / options *

	With "stop-top" brake	With "central-stop" central brake system **	With swivel lock (separate) 1x 360° ***	With steel foot guard	Antistatic version, non-marking gray	Antistatic version, non-marking dark gray	Heat resistant version
Product code suffix	-ST	-CS7/16" / -CS11	RI-04-14	-FS	-AS	-AS	LIK / LIE series
Available for	Consult factory	Consult factory	All sizes	Consult factory	See ALTH...-AS series (page 153)	See ALST...-AS series (page 154)	Consult factory

* **Other versions / options (consult factory):** 1. European metric top plate fitting; 2. More options with this bolt hole pattern, refer to page 78–84

** Available with 7/16" or 11 mm switch cam

*** Only for swivel casters without "stop-fix" brake

LKR series

Pressed steel casters, heavy-duty design, with hollow kingpin, wheel with "Blickle EasyRoll" elastic solid rubber tire

375–550 lbs

RoHS

Rig: LKR series

- Strong pressed steel, zinc-plated, blue-passivated, Cr6-free
- Double ball bearing in the swivel head
- Strong central kingpin
- Minimum swivel head play and smooth rolling characteristic and increased service life due to the special dynamic Blickle riveting process

Additional details:

- Rig series: page 36
- Brakes: page 43–44
- Wheel series: page 105, 106
- Bearing types: page 21

Wheels:

POEV series

- Tire: high-quality elastic solid rubber "Blickle EasyRoll" in smooth rolling quality, hardness 65 Shore A, color gray
- Wheel center: high-quality nylon 6, impact resistant, color black

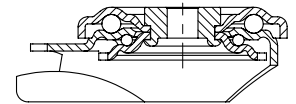
ALEV series

- Tire: high-quality elastic solid rubber "Blickle EasyRoll" in smooth rolling quality, hardness 65 Shore A, color gray
- Wheel center: die-cast aluminum, color silver gray



LKR-POEV...-SG
Blickle
EasyRoll

LKR-ALEV...-FI-SG
Blickle
EasyRoll



Swivel casters	Swivel casters with "stop-fix" brake	Wheel Ø		Wheel width		Load capacity		Bearing type	Total height		Plate Ø	For mounting bolt [inch]	Swivel lead [inch]
		[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]		[inch]	[mm]			
LKR-POEV series													
LKR-POEV 82KF-SG	LKR-POEV 82KF-FI-SG	3 1/8	80	1 9/16	40	375	170	ball bearing (C)	4 9/16	110	3 7/16	1/2	1 9/16
LKR-POEV 100KA-SG	LKR-POEV 100KA-FI-SG	4	100	1 1/4	32	440	200	ball bearing (C)	5 1/8	130	3 7/16	1/2	1 3/4
LKR-POEV 125KA-SG	LKR-POEV 125KA-FI-SG	5	125	1 7/16	37	550	250	ball bearing (C)	6 1/8	155	3 7/16	1/2	1 7/8
LKR-ALEV series													
LKR-ALEV 100K-SG	LKR-ALEV 100K-FI-SG	4	100	1 9/16	40	440	200	ball bearing	5 1/8	130	3 7/16	1/2	1 3/4
LKR-ALEV 125K-SG	LKR-ALEV 125K-FI-SG	5	125	1 9/16	40	550	250	ball bearing	6 1/8	155	3 7/16	1/2	1 7/8

For other wheel series, see page 76–77

Versions / options



	With steel foot guard	With non-marking blue tire	Electrically conductive version, black tire	Antistatic version, non-marking, gray tire	Stainless steel version	Truck lock
Product code suffix	-FS	-SB	-EL	-SG-AS	LKXR series	FF
Available for	Consult factory	POEV series Consult factory	See ALEV...-EL series (page 148)	See ALEV...-SG-AS series (page 152)	Consult factory	Wheel Ø 4"–5" Consult factory

LKR series

Pressed steel casters, heavy-duty design, with hollow kingpin, wheel with thermoplastic polyurethane tread / heavy-duty nylon wheel



LKR-POTH

LKR-SPOG...-FI

440–770 lbs

RoHS

Rig: LKR series

- Strong pressed steel, zinc-plated, blue-passivated, Cr6-free
- Double ball bearing in the swivel head
- Strong central kingpin
- Minimum swivel head play and smooth rolling characteristic and increased service life due to the special dynamic Blickle riveting process

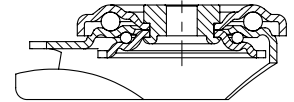
Wheels:

- POTH series
- Tread: high-quality thermoplastic polyurethane (TPU), hardness 94 Shore A, color dark gray, non-marking, non-staining
 - Wheel center: high-quality nylon 6, impact resistant, color natural white
- SPOG series
- High-quality nylon 6, impact resistant, hardness 70 Shore D, extremely robust heavy-duty version, color gray

Additional details:

- Rig series: page 36
- Brakes: page 43–44
- Wheel series: page 109, 126
- Bearing types: page 21

3



Swivel casters	Swivel casters with "stop-fix" brake	Wheel Ø		Wheel width		Load capacity		Bearing type	Total height		Plate Ø	For mounting bolt [inch]	Swivel lead [inch]
		[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]		[inch]	[mm]			
LKR-POTH series													
LKR-POTH 75G	LKR-POTH 75G-FI	3	75	1 7/16	37	440	200	plain bore	4 1/4	108	3 7/16	1/2	1 9/16
LKR-POTH 100KA	LKR-POTH 100KA-FI	4	100	1 3/8	35	660	300	ball bearing (C)	5 1/8	130	3 7/16	1/2	1 3/4
LKR-POTH 125KA	LKR-POTH 125KA-FI	5	125	1 9/16	40	770	350	ball bearing (C)	6 1/8	155	3 7/16	1/2	1 7/8
LKR-SPOG series													
LKR-SPOG 80K	LKR-SPOG 80K-FI	3 1/8	80	1 7/16	37	770	350	ball bearing	4 5/16	110	3 7/16	1/2	1 9/16
LKR-SPOG 100K	LKR-SPOG 100K-FI	4	100	1 7/16	37	770	350	ball bearing	5 1/8	130	3 7/16	1/2	1 3/4
LKR-SPOG 125K	LKR-SPOG 125K-FI	5	125	1 9/16	40	770	350	ball bearing	6 1/8	155	3 7/16	1/2	1 7/8

For other wheel series, see page 75, 77

Versions / options



	With thread guard, pressed steel, zinc-plated	With steel foot guard	Stainless steel version	Truck lock
Product code suffix	-FA	-FS	LKXR series	FF
Available for	Consult factory	Consult factory	Consult factory	Wheel Ø 4"-5" Consult factory

LKR series

Pressed steel casters, heavy-duty design, with hollow kingpin, wheel with polyurethane tread Blicke Extrathane® / Softhane® / Besthane® / Besthane® Soft

440–770 lbs

RoHS

Rig: LKR series

- Strong pressed steel, zinc-plated, blue-passivated, Cr6-free
- Double ball bearing in the swivel head
- Strong central kingpin
- Minimum swivel head play and smooth rolling characteristic and increased service life due to the special dynamic Blicke riveting process

Additional details:

- Rig series: page 36
- Brakes: page 43–44
- Wheel series: page 110, 119, 120, 121
- Bearing types: page 21

Wheels:

- ALTH series**
- Tread: high-quality polyurethane elastomer Blicke Extrathane®, hardness 92 Shore A, color light brown, non-marking, non-staining
 - Wheel center: die-cast aluminum, color silver gray

ALST series

- Tread: high-quality polyurethane elastomer Blicke Softhane®, hardness 75 Shore A, color green, non-marking, non-staining
- Wheel center: die-cast aluminum, color silver gray

ALB series

- Tread: high-quality polyurethane elastomer Blicke Besthane®, hardness 92 Shore A, color brown, non-marking, non-staining
- Wheel center: die-cast aluminum, color silver gray

ALBS series

- Tread: high-quality polyurethane elastomer Blicke Besthane® Soft, hardness 75 Shore A, color blue, non-marking, non-staining
- Wheel center: die-cast aluminum, color silver gray

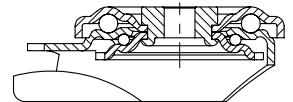


LKR-ALTH
Blicke Extrathane®

LKR-ALST...-FI
Blicke Softhane®

LKR-ALB
Blicke Besthane®

LKR-ALBS...-FI
Blicke Besthane® Soft



Swivel casters	Swivel casters with "stop-fix" brake	Wheel Ø		Wheel width		Load capacity		Bearing type	Total height		Plate Ø	For mounting bolt [inch]	Swivel lead [inch]
		[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]		[inch]	[mm]			
LKR-ALTH series													
LKR-ALTH 80K	LKR-ALTH 80K-FI	3 1/8	80	1 3/16	30	440	200	ball bearing	4 5/16	110	3 7/16	1/2	1 9/16
LKR-ALTH 100K	LKR-ALTH 100K-FI	4	100	1 9/16	40	770	350	ball bearing	5 1/8	130	3 7/16	1/2	1 3/4
LKR-ALTH 125K	LKR-ALTH 125K-FI	5	125	1 9/16	40	770	350	ball bearing	6 1/8	155	3 7/16	1/2	1 7/8
LKR-ALST series													
LKR-ALST 82K	LKR-ALST 82K-FI	3 1/8	80	1 9/16	40	505	230	ball bearing	4 5/16	110	3 7/16	1/2	1 9/16
LKR-ALST 100K	LKR-ALST 100K-FI	4	100	1 9/16	40	705	320	ball bearing	5 1/8	130	3 7/16	1/2	1 3/4
LKR-ALST 125K	LKR-ALST 125K-FI	5	125	1 9/16	40	770	350	ball bearing	6 1/8	155	3 7/16	1/2	1 7/8
LKR-ALB series													
LKR-ALB 101K	LKR-ALB 101K-FI	4	100	1 9/16	40	770	350	ball bearing	5 1/8	130	3 7/16	1/2	1 3/4
LKR-ALB 125K	LKR-ALB 125K-FI	5	125	1 9/16	40	770	350	ball bearing	6 1/8	155	3 7/16	1/2	1 7/8
LKR-ALBS series													
LKR-ALBS 82K	LKR-ALBS 82K-FI	3 1/8	80	1 9/16	40	505	230	ball bearing	4 5/16	110	3 7/16	1/2	1 9/16
LKR-ALBS 100K	LKR-ALBS 100K-FI	4	100	1 9/16	40	705	320	ball bearing	5 1/8	130	3 7/16	1/2	1 3/4
LKR-ALBS 125K	LKR-ALBS 125K-FI	5	125	1 9/16	40	770	350	ball bearing	6 1/8	155	3 7/16	1/2	1 7/8

For other wheel series, see page 75–76

Versions / options



	With steel foot guard	Antistatic version, non-marking gray	Antistatic version, non-marking dark gray	Electrical discharge version, non-marking gray	Stainless steel version	Truck lock
Product code suffix	-FS	-AS	-AS	-ESD	LKXR series	FF
Available for	Consult factory	See ALTH...-AS series (page 153)	See ALST...-AS series (page 154)	See ALB...-ESD series (page 155)	Consult factory	Wheel Ø 4"–5" Consult factory

LKX/BKSX, LEX/BESX-14 series

Stainless steel casters with top plate, wheel with thermoplastic rubber / soft rubber "Blickle SoftMotion" / "Blickle EasyRoll" elastic solid rubber tire

245–660 lbs

RoHS



LEX-TPA

BESX-POES
Blickle
SoftMotion

LKX-POEV...-FI-SG
Blickle
EasyRoll

Rig: LKX/BKSX, LEX/BESX-14 series

- High-quality chromium-nickel steel (1.4301/ AISI 304), stainless steel, vibration-ground finishing
- All parts including axle material are corrosion-resistant

Swivel rig:

- Double ball bearing in the swivel head
- Swivel head seal
- Minimum swivel head play and smooth rolling characteristic and increased service life due to the special dynamic Blickle riveting process

Wheels:

TPA series

- Tread: high-quality thermoplastic rubber-elastomer (TPE), hardness 85 Shore A, color gray, non-marking, oil containing
- Wheel center: high-quality polypropylene, impact resistant, color silver gray ("ELS" version color black)

POES series

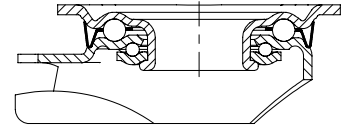
- Tire: high-quality elastic solid rubber "Blickle SoftMotion", hardness 55 Shore A, color gray, non-marking
- Wheel center: high-quality nylon 6, impact resistant, color black

POEV series

- Tire: high-quality elastic solid rubber "Blickle EasyRoll" in smooth rolling quality, hardness 65 Shore A, color gray
- Wheel center: high-quality nylon 6, impact resistant, color black

Additional details:

- Rig series: page 36
- Brakes: page 43–44
- Wheel series: page 107, 104, 105
- Bearing types: page 21



Swivel casters	Rigid casters	Swivel casters with "stop-fix" brake	Wheel Ø	Wheel width	Load capacity	Bearing type	Total height	Plate size	Bolt hole spacing	Bolt hole Ø	Swivel lead
			[inch] [mm]	[inch] [mm]	[lbs] [kg]		[inch] [mm]	[inch]	[inch]	[inch]	[inch]
LKX/LEX-TPA series											
LKX-TPA 102KFD-14	BKSX-TPA 102KFD-14	LKX-TPA 102KFD-14-FI	4	100	1 1/4 32	245 110	ball bearing (C)	5 1/8 130	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16 1 3/4
LKX-TPA 127KFD-14	BKSX-TPA 127KFD-14	LKX-TPA 127KFD-14-FI	5	125	1 1/4 32	275 125	ball bearing (C)	6 1/8 155	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16 1 7/8
LEX-TPA 160G-14	BESX-TPA 160G-14	LEX-TPA 160G-14-FI	6 5/16	160	1 9/16 40	440 200	plain bore	7 11/16 195	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16 2 1/8
LEX-TPA 200G-14	BESX-TPA 200G-14	LEX-TPA 200G-14-FI	8	200	1 9/16 40	550 250	plain bore	9 1/4 235	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16 2 1/8
LEX-POES series											
LEX-POES 150XKA-14-SG	BESX-POES 150XKA-14-SG	LEX-POES 150XKA-14-FI-SG	6	150	2 50	615 280	ball bearing (CC)	7 1/2 190	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	3/8 2 1/8
LEX-POES 200XKA-14-SG	BESX-POES 200XKA-14-SG	LEX-POES 200XKA-14-FI-SG	8	200	2 50	660 300	ball bearing (CC)	9 1/4 235	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	3/8 2 1/8
LKX/LEX-POEV series											
LKX-POEV 100XKA-14-SG	BKSX-POEV 100XKA-14-SG	LKX-POEV 100XKA-14-FI-SG	4	100	1 1/4 38	440 200	ball bearing (C)	5 1/8 130	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16 1 3/4
LKX-POEV 125XKA-14-SG	BKSX-POEV 125XKA-14-SG	LKX-POEV 125XKA-14-FI-SG	5	125	1 7/16 40	550 250	ball bearing (C)	6 1/8 155	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16 1 7/8
LKX-POEV 160XKA-14-SG	BESX-POEV 160XKA-14-SG	LEX-POEV 160XKA-14-FI-SG	6 5/16	160	2 50	660 300	ball bearing (CC)	7 11/16 195	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16 2 1/8
LEX-POEV 200XKA-14-SG	BESX-POEV 200XKA-14-SG	LEX-POEV 200XKA-14-FI-SG	8	200	2 50	660 300	ball bearing (CC)	9 1/4 235	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16 2 1/8

For other wheel series, see pages 79–80

Versions / options *



	With "stop-top" brake	With "ideal-stop" brake ** (no change in height)	With automatic direction reset device	With stainless steel ball bearing or roller bearing in the wheel	Electrically conductive version, non-marking gray ***	Caster suitable for washing equipment (DIN 18867-8)	Heat resistant version
Product code suffix	-ST	-IS	-RIR2	-XKA / -XR	-ELS	-GKN	LIKX / LIEX series
Available for	Consult factory	Consult factory	Consult factory	Consult factory	See TPA...-ELS series (page 149)	POEV series Consult factory	Consult factory

* Other versions / options: 1. European metric top plate fitting, consult factory; 2. More options with this bolt hole pattern, refer to page 73–74, 81–84

** With metric plate size 140 x 110 mm and bolt hole spacing 105 x 75–80 mm

*** Load capacity of the wheel (TPA series) is reduced by 35 %

LKX/BKSX, LEX/BESX-14 series

**Stainless steel casters with top plate,
wheel with thermoplastic polyurethane tread /
Besthane® Soft polyurethane tread**

440–770 lbs

RoHS

- Rig:** LKX/BKSX, LEX/BESX-14 series
- High-quality chromium-nickel steel (1.4301/ AISI 304), stainless steel, vibration-ground finishing
 - All parts including axle material are corrosion-resistant
- Swivel rig:**
- Double ball bearing in the swivel head
 - Swivel head seal
 - Minimum swivel head play and smooth rolling characteristic and increased service life due to the special dynamic Blickle riveting process

Additional details:

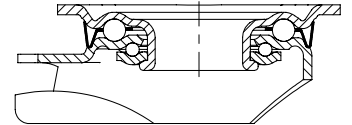
- Rig series: page 36
- Brakes: page 43–44
- Wheel series: page 109, 121
- Bearing types: page 21

Wheels:

- POTH series**
- Tread: high-quality thermoplastic polyurethane (TPU), hardness 94 Shore A, color dark gray, non-marking, non-staining
 - Wheel center: high-quality nylon 6, impact resistant, color natural white
- POBS series**
- Tread: high-quality polyurethane elastomer Blickle Besthane® Soft, hardness 75 Shore A, color blue, non-marking, non-staining, very low rolling resistance, **high dynamic load capacity**, corrosion and hydrolysis-resistant
 - Wheel center: high-quality nylon 6, impact resistant, color black



LKX-POBS...-FI
Blickle
Besthane® Soft



Swivel casters	Rigid casters	Swivel casters with "stop-fix" brake	Wheel Ø		Wheel width		Load capacity		Bearing type	Total height		Plate size [inch]	Bolt hole spacing [inch]	Bolt hole Ø [inch]	Swivel lead [inch]
			[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]		[inch]	[mm]				
LKX/LEX-POTH series															
LKX-POTH 100KAD-14	BKSX-POTH 100KAD-14	LKX-POTH 100KAD-14-FI	4	100	1 3/8	35	660	300	ball bearing (C)	5 1/8	130	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	1 3/4
LKX-POTH 125KAD-14	BKSX-POTH 125KAD-14	LKX-POTH 125KAD-14-FI	5	125	1 9/16	40	770	350	ball bearing (C)	6 1/8	155	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	1 7/8
LEX-POTH 150XK-14	BESX-POTH 150XK-14	LEX-POTH 150XK-14-FI	6	150	1 3/4	45	660	300	ball bearing	7 1/2	190	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	2 1/8
LEX-POTH 200XK-14	BESX-POTH 200XK-14	LEX-POTH 200XK-14-FI	8	200	2	50	660	300	ball bearing	9 1/4	235	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	2 1/8
LKX/LEX-POBS series															
LKX-POBS 100XKA-14	BKSX-POBS 100XKA-14	LKX-POBS 100XKA-14-FI	4	100	1 1/2	38	440	200	ball bearing (C)	5 1/8	130	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	1 3/4
LKX-POBS 125XKA-14	BKSX-POBS 125XKA-14	LKX-POBS 125XKA-14-FI	5	125	1 9/16	40	550	250	ball bearing (C)	6 1/8	155	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	1 7/8
LEX-POBS 160XKA-14	BESX-POBS 160XKA-14	LEX-POBS 160XKA-14-FI	6 5/16	160	2	50	660	300	ball bearing (CC)	7 11/16	195	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	2 1/8
LEX-POBS 200XKA-14	BESX-POBS 200XKA-14	LEX-POBS 200XKA-14-FI	8	200	2	50	660	300	ball bearing (CC)	9 1/4	235	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	2 1/8

For other wheel series, see pages 78, 80

Versions / options *



	With "stop-top" brake	With "ideal-stop" brake ** (no change in height)	With automatic direction reset device	With synthetic foot guard	Wheel with soft thermoplastic polyurethane tread	Heat resistant version	European metric top plate fitting
Product code suffix	-ST	-IS	-RIR2	-FP	POTHs series	LIKX / LIEX series	
Available for	Consult factory	Consult factory	Consult factory	Consult factory	Consult factory	Consult factory	Consult factory

* Other versions / options: More options with this bolt hole pattern, refer to page 73–74, 81–84

** With metric plate size 140 x 110 mm and bolt hole spacing 105 x 75–80 mm

LKX/BKSX, LEX/BESX-14 series

Stainless steel casters with top plate, nylon wheel

660–770 lbs

RoHS



LEX-POG

BESX-POG

LKX-SPOG...-FI

Rig: LKX/BKSX, LEX/BESX-14 series

- High-quality chromium-nickel steel (1.4301/ AISI 304), stainless steel, vibration-ground finishing
- All parts including axle material are corrosion-resistant

Swivel rig:

- Double ball bearing in the swivel head
- Swivel head seal
- Minimum swivel head play and smooth rolling characteristic and increased service life due to the special dynamic Blickle riveting process

Wheels:

POG series

- High-quality nylon 6, impact resistant, hardness 70 Shore D, color gray

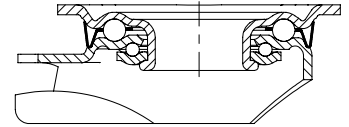
SPOG series

- High-quality nylon 6, impact resistant, hardness 70 Shore D, extremely robust heavy-duty version, color gray

3

Additional details:

- Rig series: page 36
- Brakes: page 43–44
- Wheel series: page 125, 126
- Bearing types: page 21



Swivel casters	Rigid casters	Swivel casters with "stop-fix" brake	Wheel Ø		Wheel width		Load capacity		Bearing type	Total height		Plate size	Bolt hole spacing	Bolt hole Ø	Swivel lead
			[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]		[inch]	[mm]				
LEX-POG series															
LEX-POG 150XK-14	BESX-POG 150XK-14	LEX-POG 150XK-14-FI	6	150	2	50	660	300	ball bearing	7 1/2	190	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	2 1/8
LEX-POG 200XK-14	BESX-POG 200XK-14	LEX-POG 200XK-14-FI	8	200	2	50	660	300	ball bearing	9 1/4	235	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	2 1/8
LKX-SPOG series															
LKX-SPOG 100XK-14	BKSX-SPOG 100XK-14	LKX-SPOG 100XK-14-FI	4	100	1 7/16	37	770	350	ball bearing	5 1/8	130	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	1 3/4
LKX-SPOG 125XK-14	BKSX-SPOG 125XK-14	LKX-SPOG 125XK-14-FI	5	125	1 9/16	40	770	350	ball bearing	6 1/8	155	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	1 7/8

For other wheel series, see pages 78–79

Versions / options *



	With "stop-top" brake	With "ideal-stop" brake ** (no change in height)	With automatic direction reset device	With stainless steel roller bearing in the wheel	Electrically conductive version, non-marking gray	Heat resistant version	European metric top plate fitting
Product code suffix	-ST	-IS	-RIR2	-XR	-ELS	LIKX / LIEX series	
Available for	Consult factory	Consult factory	Consult factory	Consult factory	See PO...-ELS series (page 151)	Consult factory	Consult factory

* For more options with this bolt hole pattern, refer to page 73–74, 81–84

** With metric plate size 140 x 110 mm and bolt hole spacing 105 x 75–80 mm

LEH/BEHS-14 series

Pressed steel casters, medium-duty version, with top plate, wheel with "Blickle EasyRoll" elastic solid rubber tire

770–1,100 lbs

RoHS

Rig: LEH/BEHS series

- Strong pressed steel, zinc-plated, blue-passivated, Cr6-free

Swivel rig:

- Double ball bearing in the swivel head
- Swivel head seal
- Minimum swivel head play and smooth rolling characteristic and increased service life due to the special dynamic Blickle riveting process
- Particularly resistant to shocks and impact due to **one hardened bearing seat**

Additional details:

- Rig series: page 37
- Brakes: page 43–44
- Wheel series: page 105, 106
- Bearing types: page 21

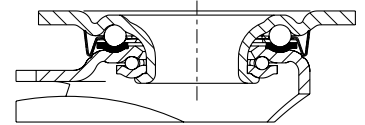
Wheels:

POEV series

- Tire: high-quality elastic solid rubber "Blickle EasyRoll" in smooth rolling quality, hardness 65 Shore A, color gray
- Wheel center: high-quality nylon 6, impact resistant, color black

ALEV series

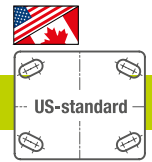
- Tire: high-quality elastic solid rubber "Blickle EasyRoll" in smooth rolling quality, hardness 65 Shore A, color black
- Wheel center: die-cast aluminum, color silver gray



Swivel casters	Rigid casters	Swivel casters with "stop-fix" brake	Wheel Ø		Wheel width		Load capacity		Bearing type	Total height		Plate size	Bolt hole spacing	Bolt hole Ø	Swivel lead
			[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]		[inch]	[mm]				
LEH-POEV series															
LEH-POEV 160KA-14-SG	BEHS-POEV 160KA-14-SG	LEH-POEV 160KA-14-FI-SG	6 5/16	160	2	50	880	400	ball bearing (CC)	7 13/16	199	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	2 1/4
LEH-POEV 200KA-14-SG	BEHS-POEV 200KA-14-SG	LEH-POEV 200KA-14-FI-SG	8	200	2	50	1,100	500	ball bearing (CC)	9 1/2	241	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	2 3/8
LEH-POEV 200KA-14-SG-01	BEHS-POEV 200KA-14-SG-01		8	200	2	50	770	350	ball bearing (CC)	10 1/8	257	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	2 1/2
LEH-ALEV series															
LEH-ALEV 150K-14	BEHS-ALEV 150K-14	LEH-ALEV 150K-14-FI	6	150	2	50	880	400	ball bearing	7 1/2	191	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	2 1/8
LEH-ALEV 160K-14	BEHS-ALEV 160K-14	LEH-ALEV 160K-14-FI	6 5/16	160	2	50	880	400	ball bearing	7 13/16	199	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	2 1/4
LEH-ALEV 200K-14	BEHS-ALEV 200K-14	LEH-ALEV 200K-14-FI	8	200	2	50	1,100	500	ball bearing	9 1/2	241	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	2 3/8
LEH-ALEV 200K-14-01	BEHS-ALEV 200K-14-01		8	200	2	50	770	350	ball bearing	10 1/8	257	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	2 1/2

For other wheel series, see pages 82–84

Versions / options



	With "stop-top" brake	With swivel lock (separate) 1x 360° *	With steel foot guard	Electrically conductive version, black tire	Antistatic version, non-marking, gray tire	Heat resistant version	More options with this bolt hole pattern
Product code suffix	-ST	RI-04.14	-FS	-EL	-SG-AS	LIEH series	
Available for	All sizes	All sizes		See ALEV...-EL series (page 148)	See ALEV...-SG-AS series (page 152)	Consult factory	Refer to page 72–74, 78–80

* Only for swivel casters without "stop-fix" brake

LEH/BEHS-14 series

Pressed steel casters, medium-duty version, with top plate, nylon wheel

770–1,250 lbs

RoHS

Rig: LEH/BEHS series

- Strong pressed steel, zinc-plated, blue-passivated, Cr6-free

Swivel rig:

- Double ball bearing in the swivel head
- Swivel head seal
- Minimum swivel head play and smooth rolling characteristic and increased service life due to the special dynamic Blickle riveting process
- Particularly resistant to shocks and impact due to **one hardened bearing seat**

Wheels:

POG series

- High-quality nylon 6, impact resistant, hardness 70 Shore D, color gray

SPOG series

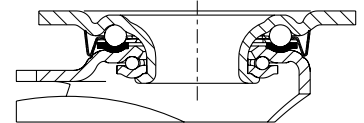
- High-quality nylon 6, impact resistant, hardness 70 Shore D, extremely robust heavy-duty version, color gray



Additional details:

- Rig series: page 37
- Brakes: page 43–44
- Wheel series: page 125, 126
- Bearing types: page 21

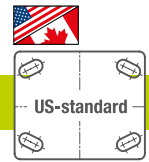
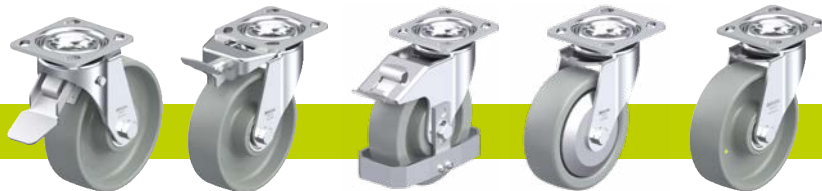
3



Swivel casters	Rigid casters	Swivel casters with "stop-fix" brake	Wheel Ø	Wheel width	Load capacity	Bearing type	Total height	Plate size	Bolt hole spacing	Bolt hole Ø	Swivel lead		
			[inch] [mm]	[inch] [mm]	[lbs] [kg]		[inch] [mm]	[inch]	[inch]	[inch]	[inch]		
LEH-POG series													
LEH-POG 150K-14	BEHS-POG 150K-14	LEH-POG 150K-14-FI	6	150	2 50	880 400	ball bearing	7 1/2	191	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	2 1/8
LEH-POG 160K-14	BEHS-POG 160K-14	LEH-POG 160K-14-FI	6 5/16	160	2 50	990 450	ball bearing	7 13/16	199	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	2 1/4
LEH-POG 200K-14	BEHS-POG 200K-14	LEH-POG 200K-14-FI	8	200	2 50	1,250 570	ball bearing	9 1/2	241	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	2 3/8
LEH-POG 200K-14-01	BEHS-POG 200K-14-01		8	200	2 50	770 350	ball bearing	10 1/8	257	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	2 1/2
LEH-SPOG series													
LEH-SPOG 150K-14	BEHS-SPOG 150K-14	LEH-SPOG 150K-14-FI	6	150	2 50	1,250 570	ball bearing	7 1/2	191	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	2 1/8
LEH-SPOG 160K-14	BEHS-SPOG 160K-14	LEH-SPOG 160K-14-FI	6 5/16	160	2 50	1,250 570	ball bearing	7 13/16	199	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	2 1/4
LEH-SPOG 201K-14	BEHS-SPOG 201K-14	LEH-SPOG 201K-14-FI	8	200	2 50	1,250 570	ball bearing	9 1/2	241	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	2 3/8
LEH-SPOG 201K-14-01	BEHS-SPOG 201K-14-01		8	200	2 50	770 350	ball bearing	10 1/8	257	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	2 1/2

For other wheel series, see pages 81, 83–84

Versions / options



	With "stop-top" brake	With swivel lock (separate) 1x 360° *	With steel foot guard	With thread guard, pressed steel, zinc-plated	Electrically conductive version, non-marking gray	Heat resistant version	More options with this bolt hole pattern
Product code suffix	-ST	RI-04.14	-FS	-FA	-ELS	LIEH series	
Available for	All sizes	All sizes	Consult factory	Consult factory	See PO...-ELS series (page 151)	Consult factory	Refer to page 72–74, 78–80

* Only for swivel casters without "stop-fix" brake

LEH/BEHS-14 series

Pressed steel casters, medium-duty version, with top plate, wheel with polyurethane tread

660–1,250 lbs

RoHS



Rig: LEH/BEHS series

- Strong pressed steel, zinc-plated, blue-passivated, Cr6-free

Swivel rig:

- Double ball bearing in the swivel head
- Swivel head seal
- Minimum swivel head play and smooth rolling characteristic and increased service life due to the special dynamic Blickle riveting process
- Particularly resistant to shocks and impact due to **one hardened bearing seat**

Additional details:

- Rig series: page 37
- Brakes: page 43–44
- Wheel series: page 109, 110, 119
- Bearing types: page 21

Wheels:

POTH series

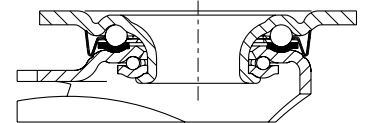
- Tread: high-quality thermoplastic polyurethane (TPU), hardness 94 Shore A, color dark gray, non-marking, non-staining
- Wheel center: high-quality nylon 6, impact resistant, color natural white

ALTH series

- Tread: high-quality polyurethane elastomer Blickle Extrathane®, hardness 92 Shore A, color light brown, non-marking, non-staining
- Wheel center: die-cast aluminum, color silver gray

ALST series

- Tread: high-quality polyurethane elastomer Blickle Softthane®, hardness 75 Shore A, color green, non-marking, non-staining
- Wheel center: die-cast aluminum, color silver gray



Swivel casters	Rigid casters	Swivel casters with "stop-fix" brake	Wheel Ø [inch] [mm]	Wheel width [inch] [mm]	Load capacity [lbs] [kg]	Bearing type	Total height [inch] [mm]	Plate size [inch]	Bolt hole spacing [inch]	Bolt hole Ø [inch]	Swivel lead [inch]
LEH-POTH series											
LEH-POTH 150K-14	BEHS-POTH 150K-14	LEH-POTH 150K-14-FI	6	150	1 3/4 45	1,100 500	ball bearing	7 1/2 191	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16 2 1/8
LEH-POTH 160K-14	BEHS-POTH 160K-14	LEH-POTH 160K-14-FI	6 5/16	160	1 3/4 45	1,210 550	ball bearing	7 13/16 199	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16 2 1/4
LEH-POTH 200K-14	BEHS-POTH 200K-14	LEH-POTH 200K-14-FI	8	200	2 50	1,250 570	ball bearing	9 1/2 241	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16 2 3/8
LEH-POTH 200K-14-01	BEHS-POTH 200K-14-01		8	200	2 50	770 350	ball bearing	10 1/8 257	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16 2 1/2
LEH-ALTH series											
LEH-ALTH 150K-14	BEHS-ALTH 150K-14	LEH-ALTH 150K-14-FI	6	150	2 50	1,250 570	ball bearing	7 1/2 191	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16 2 1/8
LEH-ALTH 200K-14	BEHS-ALTH 200K-14	LEH-ALTH 200K-14-FI	8	200	2 50	1,250 570	ball bearing	9 1/2 241	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16 2 3/8
LEH-ALTH 200K-14-01	BEHS-ALTH 200K-14-01		8	200	2 50	770 350	ball bearing	10 1/8 257	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16 2 1/2
LEH-ALTH 200K-14-02	BEHS-ALTH 200K-14-01		8	200	2 50	660 300	ball bearing	10 1/8 257	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16 3 1/4
LEH-ALST series											
LEH-ALST 150K-14	BEHS-ALST 150K-14	LEH-ALST 150K-14-FI	6	150	2 50	1,100 500	ball bearing	7 1/2 191	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16 2 1/8
LEH-ALST 150K-14-CO *	BEHS-ALST 150K-14-CO *	LEH-ALST 150K-14-FI-CO *	6	150	2 50	1,100 500	ball bearing	7 1/2 191	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16 2 1/8
LEH-ALST 200K-14	BEHS-ALST 200K-14	LEH-ALST 200K-14-FI	8	200	2 50	1,250 570	ball bearing	9 1/2 241	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16 2 3/8
LEH-ALST 200K-14-CO *	BEHS-ALST 200K-14-CO *	LEH-ALST 200K-14-FI-CO *	8	200	2 50	1,250 570	ball bearing	9 1/2 241	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16 2 3/8
LEH-ALST 200K-14-01	BEHS-ALST 200K-14-01		8	200	2 50	770 350	ball bearing	10 1/8 257	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16 2 1/2
LEH-ALST 200K-14-02	BEHS-ALST 200K-14-01		8	200	2 50	660 300	ball bearing	10 1/8 257	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16 3 1/4

* With extra crowned running tread

For other wheel series, see pages 81–82, 84

Versions / options **



Product code suffix	-ST	RI-04.14	-FS	-AS	-AS	LEH-GTH series	LEH-GST series
Available for	All sizes	All sizes	Consult factory	See ALTH...-AS series (page 153)	See ALST...-AS series (page 154)	Consult factory	Consult factory

** Other versions / options: 1. Heat resistant version (LEH series), consult factory; 2. With thread guard, pressed steel, zinc-plated (-FA), consult factory; 3. More options with this bolt hole pattern, refer to page 73–80

*** Only for swivel casters without "stop-fix" brake

LEH/BEHS-14 series

Pressed steel casters, medium-duty version, with top plate, wheel with polyurethane tread
Blickle Besthane® / Besthane® Soft

660–1,250 lbs

RoHS

Rig: LEH/BEHS series

- Strong pressed steel, zinc-plated, blue-passivated, Cr6-free

Swivel rig:

- Double ball bearing in the swivel head
- Swivel head seal
- Minimum swivel head play and smooth rolling characteristic and increased service life due to the special dynamic Blickle riveting process
- Particularly resistant to shocks and impact due to **one hardened bearing seat**

Additional details:

- Rig series: page 37
- Brakes: page 43–44
- Wheel series: page 120, 121
- Bearing types: page 21

Wheels:

ALB series

- Tread: high-quality polyurethane elastomer Blickle Besthane®, hardness 92 Shore A, color brown, non-marking, non-staining
- Wheel center: die-cast aluminum, color silver gray

ALBS series

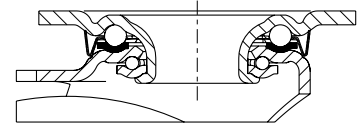
- Tread: high-quality polyurethane elastomer Blickle Besthane® Soft, hardness 75 Shore A, color blue, non-marking, non-staining
- Wheel center: die-cast aluminum, color silver gray



LEH-ALB
 Blickle Besthane®

BEHS-ALB
 Blickle Besthane®

LEH-ALBS...FI
 Blickle Besthane® Soft

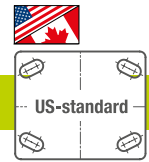


Swivel casters	Rigid casters	Swivel casters with "stop-fix" brake	Wheel Ø		Wheel width		Load capacity		Bearing type	Total height		Plate size	Bolt hole spacing	Bolt hole Ø	Swivel lead
			[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]		[inch]	[mm]				
LEH-ALB series															
LEH-ALB 150K-14	BEHS-ALB 150K-14	LEH-ALB 150K-14-FI	6	150	2	50	1,250	570	ball bearing	7 1/2	191	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	2 1/8
LEH-ALB 200K-14	BEHS-ALB 200K-14	LEH-ALB 200K-14-FI	8	200	2	50	1,250	570	ball bearing	9 1/2	241	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	2 3/8
LEH-ALB 200K-14-01	BEHS-ALB 200K-14-01		8	200	2	50	770	350	ball bearing	10 1/8	257	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	2 1/2
LEH-ALB 200K-14-02	BEHS-ALB 200K-14-01		8	200	2	50	660	300	ball bearing	10 1/8	257	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	3 1/4
LEH-ALBS series															
LEH-ALBS 150K-14-CO *	BEHS-ALBS 150K-14-CO *	LEH-ALBS 150K-14-FI-CO *	6	150	2 1/8	50	1,100	500	ball bearing	7 1/2	191	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	2 1/8
LEH-ALBS 200K-14-CO *	BEHS-ALBS 200K-14-CO *	LEH-ALBS 200K-14-FI-CO *	8	200	2	50	1,250	570	ball bearing	9 1/2	241	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	2 3/8
LEH-ALBS 200K-14-01	BEHS-ALBS 200K-14-01		8	200	2	50	770	350	ball bearing	10 1/8	257	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	2 1/2
LEH-ALBS 200K-14-02	BEHS-ALBS 200K-14-01		8	200	2	50	660	300	ball bearing	10 1/8	257	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	3 1/4

* With extra crowned running tread

For other wheel series, see pages 81–83

Versions / options



	With "stop-top" brake	With swivel lock (separate) 1x 360° **	With steel foot guard	Electric discharge version, non-marking gray	With polyurethane wheels on cast iron center	Heat resistant version	More options with this bolt hole pattern
Product code suffix	-ST	RI-04.14	-FS	-ESD	LEH-GB series	LIEH series	
Available for	All sizes	All sizes	Consult factory	See ALB...-ESD series (page 155)	Consult factory	Consult factory	Refer to page 72–74, 78–80

** Only for swivel casters without "stop-fix" brake

LH/BHS-14/16 series

Pressed steel casters, heavy-duty design, with top plate, wheel with "Blickle EasyRoll" elastic solid rubber tire

440–1,100 lbs

RoHS

Rig: LH/BHS series

- Strong pressed steel, zinc-plated, blue-passivated, Cr6-free
- Heavy fork and top plate

Swivel rig:

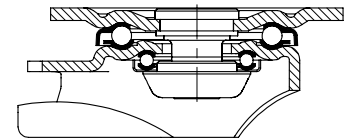
- Double ball bearing in the swivel head
- Bolted and secured central kingpin, extremely strong
- Particularly resistant to shocks and impact due to **four specially-shaped, hardened bearing seats**

Wheel: ALEV series

- Tire: high-quality elastic solid rubber "Blickle EasyRoll" in smooth rolling quality, hardness 65 Shore A, color black
- Wheel center: die-cast aluminum, color silver gray

Additional details:

- Rig series: page 37
- Brakes: page 43–44
- Wheel series: page 106
- Bearing types: page 21



4

Swivel casters	Rigid casters	Swivel casters with "stop-fix" brake	Wheel Ø		Wheel width		Load capacity		Bearing type	Total height		Plate size	Bolt hole spacing	Bolt hole Ø	Swivel lead
			[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]		[inch]	[mm]				
LH-ALEV series															
LH-ALEV 100K-14	BHS-ALEV 100K-14	LH-ALEV 100K-14-FI	4	100	1 9/16	40	440	200	ball bearing	5 1/2	140	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	1 3/4
LH-ALEV 125K-14	BHS-ALEV 125K-14	LH-ALEV 125K-14-FI	5	125	1 9/16	40	550	250	ball bearing	6 1/2	165	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	1 3/4
LH-ALEV 150K-16	BHS-ALEV 150K-16	LH-ALEV 150K-16-FI	6	150	2	50	880	400	ball bearing	7 3/4	197	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	2 9/16
LH-ALEV 200K-16	BHS-ALEV 200K-16	LH-ALEV 200K-16-FI	8	200	2	50	1,100	500	ball bearing	9 5/8	245	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	2 3/4

For other wheel series, see pages 86–88

Versions / options*



	With "stop-top" brake	With "ideal-stop" brake total height +47/64" **	With swivel lock (separate) 1 x 360° ***	With non-marking, gray tire	Electrically conductive version, black tire	Antistatic version, non-marking, gray tire	Heavy duty stem versions
Product code suffix	-ST	-IS	RI-04.14 / RI-05.16	-SG	-EL	-SG-AS	LHZ series
Available for	Consult factory	Consult factory	Consult factory	Consult factory	See ALEV...-EL series (page 148)	See ALEV...-SG-AS series (page 152)	Consult factory

* **Other versions / options (consult factory):** 1. Dual wheel compact casters (LHD series); 2. Steel foot guard (-FS); 3. Truck lock (FF), available for wheel Ø 4"–8"; 4. Heat resistant versions;

5. Optional overall height and wheel dimensions; 6. European metric top plate fitting

** Synthetic adapter plate to balance out total height for swivel and rigid casters without "ideal-stop" brake: **product code AP3-17**

*** Only for swivel casters without "stop-fix" brake

LH/BHS-14/16 series

Pressed steel casters, heavy-duty design, with top plate, wheel with thermoplastic polyurethane / Blickle Softhane® tread

505–1,765 lbs

RoHS



LH-POTH

BHS-POTH

LH-ALST...-FI
Blickle Softhane®

Rig: LH/BHS series

- Strong pressed steel, zinc-plated, blue-passivated, Cr6-free

- Heavy fork and top plate

Swivel rig:

- 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**

Additional details:

- Rig series: page 37
- Brakes: page 43–44
- Wheel series: page 109, 119
- Bearing types: page 21

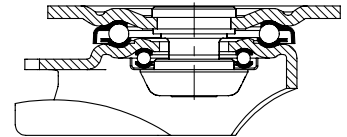
Wheels:

POTH series

- Tread: high-quality thermoplastic polyurethane (TPU), hardness 94 Shore A, color dark gray, non-marking, non-staining
- Wheel center: high-quality nylon 6, impact resistant, color natural white

ALST series

- Tread: high-quality polyurethane elastomer Blickle Softhane®, hardness 75 Shore A, color green, non-marking, non-staining
- Wheel center: die-cast aluminum, color silver gray



Swivel casters	Rigid casters	Swivel casters with "stop-fix" brake	Wheel Ø		Wheel width		Load capacity		Bearing type	Total height		Plate size	Bolt hole spacing	Bolt hole Ø	Swivel lead
			[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]		[inch]	[mm]				
LH-POTH series															
LH-POTH 100K-14	BHS-POTH 100K-14	LH-POTH 100K-14-FI	4	100	1 3/8	35	660	300	ball bearing	5 1/2	140	4 x 4 1/2	2 3/8 x 3 3/8 / 3x3	7/16	1 3/4
LH-POTH 125K-14	BHS-POTH 125K-14	LH-POTH 125K-14-FI	5	125	1 9/16	40	770	350	ball bearing	6 1/2	165	4 x 4 1/2	2 3/8 x 3 3/8 / 3x3	7/16	1 3/4
LH-POTH 150K-16	BHS-POTH 150K-16	LH-POTH 150K-16-FI	6	150	1 3/4	45	1,100	500	ball bearing	7 3/4	197	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	2 3/16
LH-POTH 200K-16	BHS-POTH 200K-16	LH-POTH 200K-16-FI	8	200	2	50	1,765	800	ball bearing	9 5/8	245	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	2 3/4
LH-ALST series															
LH-ALST 82K-14	BHS-ALST 82K-14	LH-ALST 82K-14-FI	3 1/8	80	1 9/16	40	505	230	ball bearing	4 3/4	120	4 x 4 1/2	2 3/8 x 3 3/8 / 3x3	7/16	1 3/4
LH-ALST 100K-14	BHS-ALST 100K-14	LH-ALST 100K-14-FI	4	100	1 9/16	40	705	320	ball bearing	5 1/2	140	4 x 4 1/2	2 3/8 x 3 3/8 / 3x3	7/16	1 3/4
LH-ALST 125K-14	BHS-ALST 125K-14	LH-ALST 125K-14-FI	5	125	1 9/16	40	815	370	ball bearing	6 1/2	165	4 x 4 1/2	2 3/8 x 3 3/8 / 3x3	7/16	1 3/4
LH-ALST 150K-16	BHS-ALST 150K-16	LH-ALST 150K-16-FI	6	150	2	50	1,100	500	ball bearing	7 3/4	197	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	2 9/16
LH-ALST 150K-16-CO *	BHS-ALST 150K-16-CO *	LH-ALST 150K-16-FI-CO *	6	150	2	50	1,100	500	ball bearing	7 3/4	197	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	2 9/16
LH-ALST 200K-16	BHS-ALST 200K-16	LH-ALST 200K-16-FI	8	200	2	50	1,650	750	ball bearing	9 5/8	245	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	2 3/4
LH-ALST 200K-16-CO *	BHS-ALST 200K-16-CO *	LH-ALST 200K-16-FI-CO *	8	200	2	50	1,650	750	ball bearing	9 5/8	245	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	2 3/4

* With extra crowned running tread

For other wheel series, see pages 85, 87–88

Versions / options**



	With "stop-top" brake	With "ideal-stop" brake total height +.47/64" ***	With swivel lock (separate) 1 x 360° ****	Antistatic version, non-marking dark gray	Truck lock	Heavy duty stem versions	Dual wheel compact casters
Product code suffix	-ST	-IS	RI-04.14 / RI-05.16	-AS	FF	LHZ series	LHD series
Available for	Consult factory	Consult factory	Consult factory	See ALST...-AS series (page 154)	Wheel Ø 4"–8" Consult factory	Consult factory	Consult factory

** Other versions / options (consult factory): 1. Steel foot guard (-FS); 2. With thread guard, pressed steel, zinc-plated (-FA); 3. Heat resistant versions; 4. Optional overall height and wheel dimensions; 5. European metric top plate fitting

*** Synthetic adapter plate to balance out total height for swivel and rigid casters without "ideal-stop" brake: **product code AP3-17**

**** Only for swivel casters without "stop-fix" brake

LH/BHS-14/16 series

Pressed steel casters, heavy-duty design, with top plate, wheel with polyurethane tread
Blickle Extrathane® / Blickle Besthane®

440–1,980 lbs

RoHS

Rig: LH/BHS series

- Strong pressed steel, zinc-plated, blue-passivated, Cr6-free
- Heavy fork and top plate

Swivel rig:

- 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**

Additional details:

- Rig series: page 37
- Brakes: page 43–44
- Wheel series: page 110, 111, 120
- Bearing types: page 21

Wheels:

ALTH series

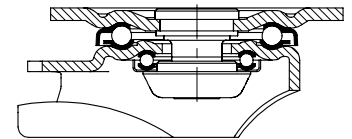
- Tread: high-quality polyurethane elastomer Blickle Extrathane®, hardness 92 Shore A, color light brown, non-marking, non-staining
- Wheel center: die-cast aluminum, color silver gray

GTH series

- Tread: high-quality polyurethane elastomer Blickle Extrathane®, hardness 92 Shore A, color light brown, non-marking, non-staining
- Wheel center: rugged gray cast iron, with grease nipple from wheel Ø 6", lacquered, color silver

ALB series

- Tread: high-quality polyurethane elastomer Blickle Besthane®, hardness 92 Shore A, color brown, non-marking, non-staining
- Wheel center: die-cast aluminum, color silver gray



Swivel casters	Rigid casters	Swivel casters with "stop-fix" brake	Wheel Ø		Wheel width		Load capacity		Bearing type	Total height		Plate size	Bolt hole spacing		Bolt hole Ø	Swivel lead
			[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]		[inch]	[mm]		[inch]	[inch]		
LH-ALTH series																
LH-ALTH 80K-14	BHS-ALTH 80K-14	LH-ALTH 80K-14-FI	3 1/8	80	1 3/16	30	440	200	ball bearing	4 3/4	120	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	1 3/4	
LH-ALTH 101K-14	BHS-ALTH 101K-14	LH-ALTH 101K-14-FI	4	100	1 9/16	40	925	420	ball bearing	5 1/2	140	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	1 3/4	
LH-ALTH 125K-14	BHS-ALTH 125K-14	LH-ALTH 125K-14-FI	5	125	1 9/16	40	1,210	550	ball bearing	6 1/2	165	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	1 3/4	
LH-ALTH 150K-16	BHS-ALTH 150K-16	LH-ALTH 150K-16-FI	6	150	2	50	1,430	650	ball bearing	7 3/4	197	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	2 9/16	
LH-ALTH 200K-16	BHS-ALTH 200K-16	LH-ALTH 200K-16-FI	8	200	2	50	1,765	800	ball bearing	9 5/8	245	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	2 3/4	
LH-GTH series																
LH-GTH 100K-14	BHS-GTH 100K-14	LH-GTH 100K-14-FI	4	100	1 9/16	40	990	450	ball bearing	5 1/2	140	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	1 3/4	
LH-GTH 125K-14	BHS-GTH 125K-14	LH-GTH 125K-14-FI	5	125	1 9/16	40	1,210	550	ball bearing	6 1/2	165	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	1 3/4	
LH-GTH 150K-16	BHS-GTH 150K-16	LH-GTH 150K-16-FI	6	150	2	50	1,765	800	ball bearing	7 3/4	197	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	2 9/16	
LH-GTH 200K-16	BHS-GTH 200K-16	LH-GTH 200K-16-FI	8	200	2	50	1,980	900	ball bearing	9 5/8	245	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	2 3/4	
LH-ALB series																
LH-ALB 101K-14	BHS-ALB 101K-14	LH-ALB 101K-14-FI	4	100	1 9/16	40	880	400	ball bearing	5 1/2	140	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	1 3/4	
LH-ALB 125K-14	BHS-ALB 125K-14	LH-ALB 125K-14-FI	5	125	1 9/16	40	1,210	550	ball bearing	6 1/2	165	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	1 3/4	
LH-ALB 150K-16	BHS-ALB 150K-16	LH-ALB 150K-16-FI	6	150	2	50	1,430	650	ball bearing	7 3/4	197	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	2 9/16	
LH-ALB 200K-16	BHS-ALB 200K-16	LH-ALB 200K-16-FI	8	200	2	50	1,765	800	ball bearing	9 5/8	245	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	2 3/4	

For other wheel series, see pages 85–86, 88

Versions / options*



	With "stop-top" brake	With "ideal-stop" brake total height +47/64" **	With swivel lock (separate) 1 x 360° ***	Antistatic version, non-marking gray	Electrical discharge version, non-marking gray	Heavy duty stem versions	Dual wheel compact casters
Product code suffix	-ST	-IS	RI-04.14 / RI-05.16	-AS	-ESD	LHZ series	LHD series
Available for	Consult factory	Consult factory	Consult factory	See ALTH...-AS series (page 153)	See ALB...-ESD series (page 155)	Consult factory	Consult factory

* **Other versions / options (consult factory):** 1. Steel foot guard (-FS); 2. Truck lock (FF), available for wheel Ø 4"-8"; 3. Heat resistant versions; 4. Optional overall height and wheel dimensions; 5. European metric top plate fitting
 ** Synthetic adapter plate to balance out total height for swivel and rigid casters without "ideal-stop" brake: **product code AP3-17**
 *** Only for swivel casters without "stop-fix" brake

LH/BHS-14/16 series

Pressed steel casters, heavy-duty design, with top plate, with heavy duty nylon / cast nylon wheel

770–1,980 lbs

RoHS



Rig: LH/BHS series

- Strong pressed steel, zinc-plated, blue-passivated, Cr6-free
- Heavy fork and top plate

Swivel rig:

- 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**

Wheels:

SPOG series

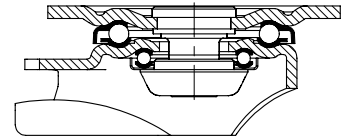
- High-quality nylon 6, impact resistant, hardness 70 Shore D, extremely robust heavy-duty version, color gray

GSPO series

- High-quality cast nylon, reaction-injected, impact resistant, hardness 80 Shore D, color natural beige

Additional details:

- Rig series: page 37
- Brakes: page 43–44
- Wheel series: page 126, 128
- Bearing types: page 21



Swivel casters	Rigid casters	Swivel casters with "stop-fix" brake	Wheel Ø [inch] [mm]	Wheel width [inch] [mm]	Load capacity [lbs] [kg]	Bearing type	Total height [inch] [mm]	Plate size [inch]	Bolt hole spacing [inch]	Bolt hole Ø [inch]	Swivel lead [inch]				
LH-SPOG series															
LH-SPOG 80K-14	BHS-SPOG 80K-14	LH-SPOG 80K-14-FI	3 1/8	80	1 7/16	37	770	350	ball bearing	4 3/4	120	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	1 3/4
LH-SPOG 100K-14	BHS-SPOG 100K-14	LH-SPOG 100K-14-FI	4	100	1 7/16	37	1,100	500	ball bearing	5 1/2	140	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	1 3/4
LH-SPOG 125K-14	BHS-SPOG 125K-14	LH-SPOG 125K-14-FI	5	125	1 9/16	40	1,545	700	ball bearing	6 1/2	165	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	1 3/4
LH-SPOG 150K-16	BHS-SPOG 150K-16	LH-SPOG 150K-16-FI	6	150	2	50	1,765	800	ball bearing	7 3/4	197	4 1/2 x 6 1/4	2 7/8 x 4 15/16 / 3 3/8 x 5 1/4	9/16	2 3/16
LH-SPOG 201K-16	BHS-SPOG 201K-16	LH-SPOG 201K-16-FI	8	200	2	50	1,980	900	ball bearing	9 5/8	245	4 1/2 x 6 1/4	2 7/8 x 4 15/16 / 3 3/8 x 5 1/4	9/16	2 3/4
LH-GSPO series *															
LH-GSPO 65K-14	BHS-GSPO 65K-14		2 9/16	65	1 9/16	40	1,430	650	ball bearing	3 13/16	97	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	1 3/4
LH-GSPO 80K-14	BHS-GSPO 80K-14	LH-GSPO 80K-14-FI	3 1/8	80	1 9/16	40	1,545	700	ball bearing	4 3/4	120	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	1 3/4
LH-GSPO 100K-14	BHS-GSPO 100K-14	LH-GSPO 100K-14-FI	4	100	1 9/16	40	1,545	700	ball bearing	5 1/2	140	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	7/16	1 3/4

* Load capacity test in compliance with DIN 12532 with extended breaks to avoid thermal overloading

For other wheel series, see pages 85–87

Versions / options *



	With "stop-top" brake	With "ideal-stop" brake total height +47/64" **	With swivel lock (separate) 1 x 360° ***	With steel foot guard	Truck lock	Heat resistant versions	European metric top plate fitting
Product code suffix	-ST	-IS	RI-04.14 / RI-05.16	-FS	FF	LIEH series	
Available for	Consult factory	Consult factory	Consult factory	Consult factory	Wheel Ø 4"-8" Consult factory	Consult factory	Consult factory

* **Other versions / options:** Optional overall height and wheel dimensions, consult factory

** Synthetic adapter plate to balance out total height for swivel and rigid casters without "ideal-stop" brake: **product code AP3-17**

*** Only for swivel casters without "stop-fix" brake

LS/BS-16 series

Welded steel heavy-duty casters, heavy-duty swivel head, wheel with "Blickle EasyRoll" elastic solid rubber tire

705–1,320 lbs

RoHS

Rig: LS/BS series

- Particularly robust welded steel construction, zinc-plated, yellow-passivated, Cr6-free

Swivel rig:

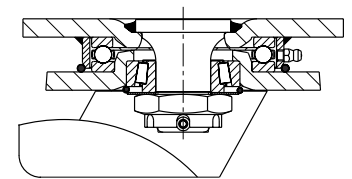
- Axial grooved ball bearing ISO 104 and tapered roller bearing ISO 355 in the swivel head
- Bolted and secured welded central kingpin, extremely strong
- Dust and splash-proof
- Grease nipple

Wheel: SE series

- Tire: high-quality elastic solid rubber "Blickle EasyRoll" in smooth rolling quality, hardness 65 Shore A, color black
- Wheel center: thick-walled pressed steel, lacquered, color anthracite. Wheel Ø 5" made from high-quality nylon 6, impact resistant, color black

Additional details:

- Rig series: page 37
- Brakes: page 43–44
- Wheel series: page 106
- Bearing types: page 21

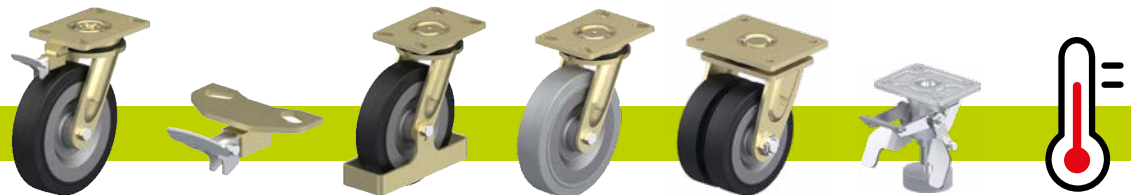


4

Swivel casters	Rigid casters	Swivel casters with "stop-top" brake	Wheel Ø		Wheel width		Load capacity		Bearing type	Total height		Plate size	Bolt hole spacing	Bolt hole Ø	Swivel lead
			[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]		[inch]	[mm]				
LS-SE series															
LS-SE 125K-16	BS-SE 125K-16	LS-SE 125K-16-ST	5	125	2 1/16	53	705	320	ball bearing	6 11/16	170	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	2
LS-SE 160K-16	BS-SE 160K-16	LS-SE 160K-16-ST	6 5/16	160	2	50	990	450	ball bearing	8 1/16	205	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	2 2/16
LS-SE 200K-16	BS-SE 200K-16	LS-SE 200K-16-ST	8	200	2	50	1,320	600	ball bearing	9 5/8	245	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	2 3/8

For other wheel series, see pages 90–92

Versions / options *



	With swivel lock 4 x 90°	With swivel lock (separate) 4 x 90°	With steel foot guard	With non-marking gray tire	Heavy-duty twin wheel swivel and rigid casters	Truck lock	Heat-resistant versions
Product code suffix	-RI4	RI-LS-16	-FS	-SG	LSD / BSD series	FF	LO-16 series
Available for	Consult factory	All sizes	Consult factory	Consult factory	Consult factory	Wheel Ø 5"–8"	Consult factory

* Other versions / options (consult factory): 1. Optional swivel leads and overall height; 2. European metric top plate fitting

LS/BS-16 series

Welded steel heavy-duty casters, heavy-duty swivel head, wheel with polyurethane tread Blickle Extrathane® / Softhane®

770–2,205 lbs

RoHS

Rig: LS/BS series

- Particularly robust welded steel construction, zinc-plated, yellow-passivated, Cr6-free

Swivel rig:

- 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

Additional details:

- Rig series: page 37
- Brakes: page 43–44
- Wheel series: page 110, 111, 119
- Bearing types: page 21

Wheels:

- ALTH series**
- Tread: high-quality polyurethane elastomer Blickle Extrathane®, hardness 92 Shore A, color light brown, non-marking, non-staining
 - Wheel center: die-cast aluminum, color silver gray

GTH series

- Tread: high-quality polyurethane elastomer Blickle Extrathane®, hardness 92 Shore A, color light brown, non-marking, non-staining
- Wheel center: rugged gray cast iron, with grease nipple from wheel Ø 6", lacquered, color silver

GST series

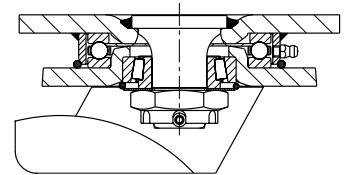
- Tread: high-quality polyurethane elastomer Blickle Softhane®, hardness 75 Shore A, color green, non-marking, non-staining
- Wheel center: rugged gray cast iron, with grease nipple from wheel Ø 6 5/16", lacquered, color silver



LS-ALTH
Blickle
Extrathane®

LS-GST...-ST
Blickle
Softhane®

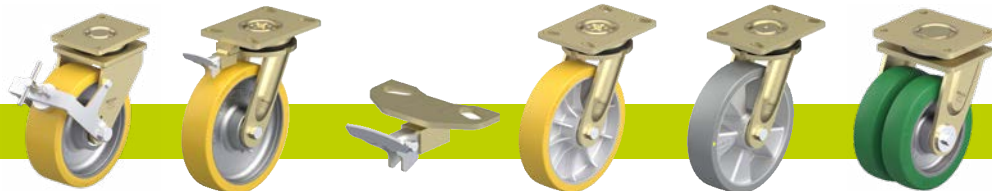
BS-GTH
Blickle
Extrathane®



Swivel casters	Rigid casters	Swivel casters with "stop-top" brake	Wheel Ø		Wheel width		Load capacity		Bearing type	Total height		Plate size	Bolt hole spacing	Bolt hole Ø	Swivel lead
			[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]		[inch]	[mm]				
LS-ALTH series															
LS-ALTH 100K-16	BS-ALTH 100K-16	LS-ALTH 100K-16-ST	4	100	1 9/16	40	770	350	ball bearing	5 11/16	145	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	2
LS-ALTH 150K-16	BS-ALTH 150K-16	LS-ALTH 150K-16-ST	6	150	2	50	1,430	650	ball bearing	7 7/8	200	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	2 3/16
LS-ALTH 160K-16	BS-ALTH 160K-16	LS-ALTH 160K-16-ST	6 5/16	160	2	50	1,655	750	ball bearing	8 1/16	205	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	2 3/16
LS-ALTH 200K-16	BS-ALTH 200K-16	LS-ALTH 200K-16-ST	8	200	2	50	1,765	800	ball bearing	9 5/8	245	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	2 3/8
LS-ALTH 250K-16	BS-ALTH 250K-16	LS-ALTH 250K-16-ST	10	250	2 3/8	60	2,205	1,000	ball bearing	12	305	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	3
LS-GTH series															
LS-GTH 127K-16	BS-GTH 127K-16	LS-GTH 127K-16-ST	5	125	2	50	1,545	700	ball bearing	6 11/16	170	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	2
LS-GTH 150K-16	BS-GTH 150K-16	LS-GTH 150K-16-ST	6	150	2	50	1,765	800	ball bearing	7 7/8	200	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	2 3/16
LS-GTH 200K-16	BS-GTH 200K-16	LS-GTH 200K-16-ST	8	200	2	50	2,205	1,000	ball bearing	9 5/8	245	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	2 3/8
LS-GST series															
LS-GST 127K-16	BS-GST 127K-16	LS-GST 127K-16-ST	5	125	2	50	990	450	ball bearing	6 11/16	170	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	2
LS-GST 150K-16	BS-GST 150K-16	LS-GST 150K-16-ST	6	150	2	50	1,255	570	ball bearing	7 7/8	200	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	2 3/16
LS-GST 200K-16	BS-GST 200K-16	LS-GST 200K-16-ST	8	200	2	50	1,765	800	ball bearing	9 5/8	245	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	2 3/8

For other wheel series, see pages 89, 91–92

Versions / options *



	With "Radstop" wheel brake	With swivel lock 4 x 90°	With swivel lock (separate) 4 x 90°	Wheel with heavy duty wheel center, reinforced design	Antistatic version, non-marking gray	Heavy-duty twin wheel swivel and rigid casters	Heat-resistant versions
Product code suffix	-RAH	-RI4	RI-LS-16		-AS	LSD / BSD series	L0-16 series
Available for	GTH series Consult factory	Consult factory	All sizes	ALTH series Consult factory	See ALTH...-AS series (page 153)	Consult factory	Consult factory

* Other versions / options (consult factory): 1. With steel foot guard (-FS); 2. Truck lock (FF), available for wheel Ø 4"-8"; 3. Further dimensions up to 44,000 lbs; 4. Optional swivel leads and overall height; 5. European metric top plate fitting

LS/BS-16 series

Welded steel heavy-duty casters, heavy-duty swivel head, wheel with polyurethane tread Blickle Besthane® / Besthane® Soft

880–2,205 lbs

RoHS

Rig: LS/BS series

- Particularly robust welded steel construction, zinc-plated, yellow-passivated, Cr6-free

Swivel rig:

- 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

Additional details:

- Rig series: page 37
- Brakes: page 43–44
- Wheel series: page 120, 121
- Bearing types: page 21

Wheels:

ALB series

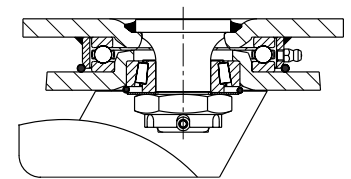
- Tread: high-quality polyurethane elastomer Blickle Besthane®, hardness 92 Shore A, color brown, non-marking, non-staining
- Wheel center: die-cast aluminum, color silver gray

GB series

- Tread: high-quality polyurethane elastomer Blickle Besthane®, hardness 92 Shore A, color brown, non-marking, non-staining
- Wheel center: rugged gray cast iron, with grease nipple from wheel Ø 6", lacquered, color silver

ALBS series

- Tread: high-quality polyurethane elastomer Blickle Besthane® Soft, hardness 75 Shore A, color blue, non-marking, non-staining
- Wheel center: die-cast aluminum, color silver gray



Swivel casters	Rigid casters	Swivel casters with "stop-top" brake	Wheel Ø		Wheel width		Load capacity		Bearing type	Total height		Plate size	Bolt hole spacing	Bolt hole Ø	Swivel lead
			[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]		[inch]	[mm]				
LS-ALB series															
LS-ALB 101K-16 *	BS-ALB 101K-16 *	LS-ALB 101K-16-ST *	4	100	1 9/16	40	880	400	ball bearing	5 1/16	145	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	2
LS-ALB 150K-16	BS-ALB 150K-16	LS-ALB 150K-16-ST	6	150	2	50	1,430	650	ball bearing	7 7/8	200	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	2 3/16
LS-ALB 160K-16	BS-ALB 160K-16	LS-ALB 160K-16-ST	6 5/16	160	2	50	1,655	750	ball bearing	8 1/16	205	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	2 3/16
LS-ALB 200K-16	BS-ALB 200K-16	LS-ALB 200K-16-ST	8	200	2	50	1,765	800	ball bearing	9 5/8	245	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	2 3/8
LS-ALB 200K-16-02	BS-ALB 200K-16-01		8	200	2	50	1,765	800	ball bearing	10 1/8	257	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	3 7/16
LS-ALB 250K-16		LS-ALB 250K-16-ST	10	250	2 3/8	60	2,205	1,000	ball bearing	12	305	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	3
	BS-ALB 250K-16		10	250	2 3/8	60	2,205	1,000	ball bearing	12	305	5 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	
LS-GB series															
LS-GB 128K-16	BS-GB 128K-16	LS-GB 128K-16-ST	5	125	2 3/8	60	1,870	850	ball bearing	6 1/16	170	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	2
LS-GB 150K-16	BS-GB 150K-16	LS-GB 150K-16-ST	6	150	2	50	1,765	800	ball bearing	7 7/8	200	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	2 3/16
LS-GB 200K-16	BS-GB 200K-16	LS-GB 200K-16-ST	8	200	2	50	2,205	1,000	ball bearing	9 5/8	245	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	2 3/8
LS-ALBS series															
LS-ALBS 127K-16	BS-ALBS 127K-16	LS-ALBS 127K-16-ST	5	125	2 1/8	54	990	450	ball bearing	6 1/16	170	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	2
LS-ALBS 150K-16	BS-ALBS 150K-16	LS-ALBS 150K-16-ST	6	150	2	50	1,100	500	ball bearing	7 7/8	200	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	2 3/16
LS-ALBS 200K-16	BS-ALBS 200K-16	LS-ALBS 200K-16-ST	8	200	2	50	1,650	750	ball bearing	9 5/8	245	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	2 3/8

* Heavy-duty wheel version

For other wheel series, see pages 89–90, 92

Versions / options **

With swivel lock 4 x 90°	With swivel lock (separate) 4 x 90°	With steel foot guard	Electrical discharge version, non-marking gray	Heavy-duty twin wheel swivel and rigid casters	Heat-resistant versions	European metric top plate fitting
-RI4	RI-LS-16	-FS	-ESD	LSD / BSD series	LO-16 series	
Available for			See ALB...-ESD series (page 155)			
Consult factory	All sizes	Consult factory		Consult factory	Consult factory	Consult factory

** Other versions / options: 1. Truck lock (FF), available for wheel Ø 4"–8"; 2. Optional swivel leads and overall height, consult factory; 3. Further dimensions up to 44,000 lbs, consult factory

LS/BS-16 series

Welded steel heavy-duty casters, heavy-duty swivel head, with heavy-duty nylon / cast nylon wheel

1,650–2,755 lbs

✓RoHS



Rig: LS/BS series

- Particularly robust welded steel construction, zinc-plated, yellow-passivated, Cr6-free

Swivel rig:

- 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

Wheels:

SPOG series

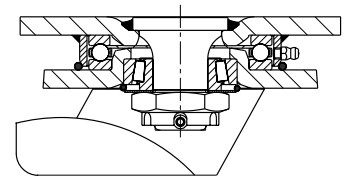
- High-quality nylon 6, impact resistant, hardness 70 Shore D, extremely robust heavy-duty version, color gray

GSPO series

- High-quality cast nylon, reaction-injected, impact resistant, hardness 80 Shore D, color natural beige

Additional details:

- Rig series: page 37
- Brakes: page 43–44
- Wheel series: page 126, 128
- Bearing types: page 21

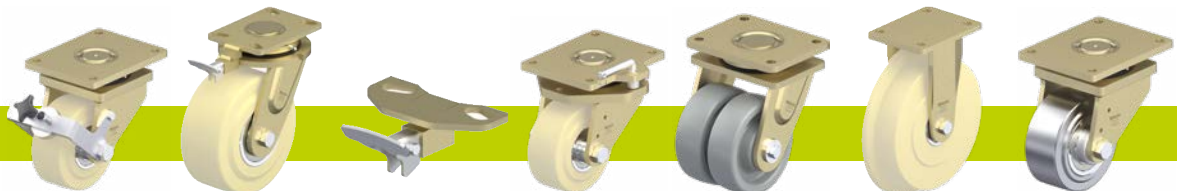


Swivel casters	Rigid casters	Swivel casters with "stop-top" brake	Wheel Ø [inch] [mm]	Wheel width [inch] [mm]	Load capacity [lbs] [kg]	Bearing type	Total height [inch] [mm]	Plate size [inch]	Bolt hole spacing [inch]	Bolt hole Ø [inch]	Swivel lead [inch]
LS-SPOG series											
LS-SPOG 127K-16	BS-SPOG 127K-16	LS-SPOG 127K-16-ST	5	125 2	50 1,650 750	ball bearing	6 11/16 170	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	2
LS-SPOG 150K-16	BS-SPOG 150K-16	LS-SPOG 150K-16-ST	6	150 2	50 1,765 800	ball bearing	7 7/8 200	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	2 3/16
LS-SPOG 201K-16	BS-SPOG 201K-16	LS-SPOG 201K-16-ST	8	200 2	50 2,205 1,000	ball bearing	9 5/8 245	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	2 3/8
LS-SPOG 200K-16 *	BS-SPOG 200K-16 *	LS-SPOG 200K-16-ST *	8	200 2	50 2,755 1,250	ball bearing	9 5/8 245	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	2 3/8
LS-GSPO series											
LS-GSPO 101K-16	BS-GSPO 101K-16	LS-GSPO 101K-16-ST	4	100 2 3/16	55 2,755 1,250	ball bearing	5 11/16 145	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	2
LS-GSPO 125K-16	BS-GSPO 125K-16	LS-GSPO 125K-16-ST	5	125 2 3/16	55 2,755 1,250	ball bearing	6 11/16 170	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	2

* Extra heavy wheel design

For other wheel series, see pages 89–91

Versions / options **



	With "Radstop" wheel brake	With swivel lock 4 x 90°	With swivel lock (separate) 4 x 90°	With swivel lock 4 x 90° (inserted by hand)	Heavy-duty twin wheel swivel and rigid casters	Cast nylon flanged wheel with rigid rig	With solid steel wheels
Product code suffix	-RAH	-RI4	RI-LS-16	-RI4H	LSD / BSD series	BS-SPKGSPO series	SVS series
Available for	GSPO series Consult factory	Consult factory	All sizes	GSPO series Consult factory	Consult factory	Consult factory	Consult factory

** Other versions / options (consult factory): 1. With Steel foot guard (-FS); 2. Truck lock (FF), available for wheel Ø 4"–8"; 3. Heat resistant versions (LO-16 series); 4. Further dimensions up to 44,000 lbs; 5. Optional swivel leads and overall height; 6. European metric top plate fitting

LHF/BHF-14/16 series

Pressed steel casters, heavy-duty design, with steel spring, wheel with elastic solid rubber tire or polyurethane tread Blickle Extrathane® / Softhane®

440–1,765 lbs

RoHS

Rig: 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 rig:

- 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**

Additional details:

- Rig series: page 38
- Wheel series: page 106, 110, 119
- Bearing types: page 21

Wheels:

ALEV series

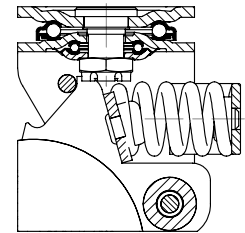
- Tire: high-quality elastic solid rubber "Blickle EasyRoll" in smooth rolling quality, hardness 65 Shore A, color gray
- Wheel center: die-cast aluminum, color silver gray

ALTH series

- Tread: high-quality polyurethane elastomer Blickle Extrathane®, hardness 92 Shore A, color light brown, non-marking, non-staining
- Wheel center: die-cast aluminum, color silver gray

ALST series

- Tread: high-quality polyurethane elastomer Blickle Softhane®, hardness 75 Shore A, color green, non-marking, non-staining
- Wheel center: die-cast aluminum, color silver gray



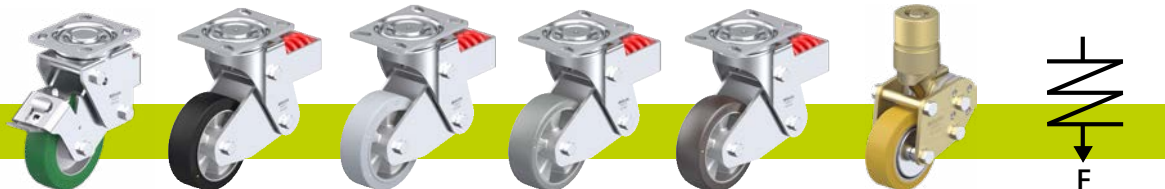
Swivel casters	Rigid casters	Wheel Ø		Wheel width		Load capacity		Target operational load ***		Spring tension		Initial tension		Spring travel		Total height		Plate size	Bolt hole spacing	Bolt hole Ø	Swivel lead
		[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]	[lbs]	[kg]	[lbs]	[kg]	[lbs]	[kg]	[inch]	[mm]	[inch]	[mm]	[inch]	[inch]	[inch]	[inch]
LHF-ALEV series																					
LHF-ALEV 100K-14-SG	BHF-ALEV 100K-14-SG	4	100	1 1/16	40	440	200	260	120	440	200	65	30	3/4	19	6 7/8	175	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	3/8	1 1/4
LHF-ALEV 125K-14-SG	BHF-ALEV 125K-14-SG	5	125	1 9/16	40	550	250	300	140	530	240	65	30	19/16	21	7 7/8	200	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	3/8	1 3/4
LHF-ALEV 150K-16-SG	BHF-ALEV 150K-16-SG	6	150	2	50	880	400	500	230	880	400	110	50	1	25	9 7/16	240	4 1/2 x 6 1/4	2 7/16 x 4 19/16 / 3 3/8 x 5 1/4	9/16	2 9/16
LHF-ALEV 200K-16-SG	BHF-ALEV 200K-16-SG	8	200	2	50	1,100	500	500	230	880	400	110	50	1	25	10 7/16	265	4 1/2 x 6 1/4	2 7/16 x 4 19/16 / 3 3/8 x 5 1/4	9/16	2 9/16
LHF-ALTH series																					
LHF-ALTH 101K-14-FA *	BHF-ALTH 101K-14-FA *	4	100	1 9/16	40	770	350	260	120	440	200	65	30	3/4	19	6 7/8	175	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	3/8	1 1/4
LHF-ALTH 125K-14-FA *	BHF-ALTH 125K-14-FA *	5	125	1 9/16	40	770	350	300	140	530	240	65	30	19/16	21	7 7/8	200	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	3/8	1 3/4
LHF-ALTH 150K-16	BHF-ALTH 150K-16	6	150	2	50	1,430	650	680	310	1,255	570	110	50	1	25	9 7/16	240	4 1/2 x 6 1/4	2 7/16 x 4 19/16 / 3 3/8 x 5 1/4	9/16	2 9/16
LHF-ALTH 200K-16	BHF-ALTH 200K-16	8	200	2	50	1,765	800	680	310	1,255	570	110	50	1	25	10 7/16	265	4 1/2 x 6 1/4	2 7/16 x 4 19/16 / 3 3/8 x 5 1/4	9/16	2 9/16
LHF-ALST series																					
LHF-ALST 100K-14	BHF-ALST 100K-14	4	100	1 9/16	40	705	320	260	120	440	200	65	30	3/4	19	6 7/8	175	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	3/8	1 1/4
LHF-ALST 125K-14	BHF-ALST 125K-14	5	125	1 9/16	40	770	350	300	140	530	240	65	30	19/16	21	7 7/8	200	4 x 4 1/2	2 5/8 x 3 5/8 / 3x3	3/8	1 3/4
LHF-ALST 150K-16	BHF-ALST 150K-16	6	150	2	50	1,100	500	680	310	1,255	570	110	50	1	25	9 7/16	240	4 1/2 x 6 1/4	2 7/16 x 4 19/16 / 3 3/8 x 5 1/4	9/16	2 9/16
LHF-ALST 150K-16-CO **	BHF-ALST 150K-16-CO **	6	150	2	50	1,100	500	680	310	1,255	570	110	50	1	25	9 7/16	240	4 1/2 x 6 1/4	2 7/16 x 4 19/16 / 3 3/8 x 5 1/4	9/16	2 9/16
LHF-ALST 200K-16	BHF-ALST 200K-16	8	200	2	50	1,650	750	680	310	1,255	570	110	50	1	25	10 7/16	265	4 1/2 x 6 1/4	2 7/16 x 4 19/16 / 3 3/8 x 5 1/4	9/16	2 9/16
LHF-ALST 200K-16-CO **	BHF-ALST 200K-16-CO **	8	200	2	50	1,650	750	680	310	1,255	570	110	50	1	25	10 7/16	265	4 1/2 x 6 1/4	2 7/16 x 4 19/16 / 3 3/8 x 5 1/4	9/16	2 9/16

* With pressed steel tread guard, zinc-plated

** With extra crowned running tread

*** At 50 % spring deflection

Versions / options *

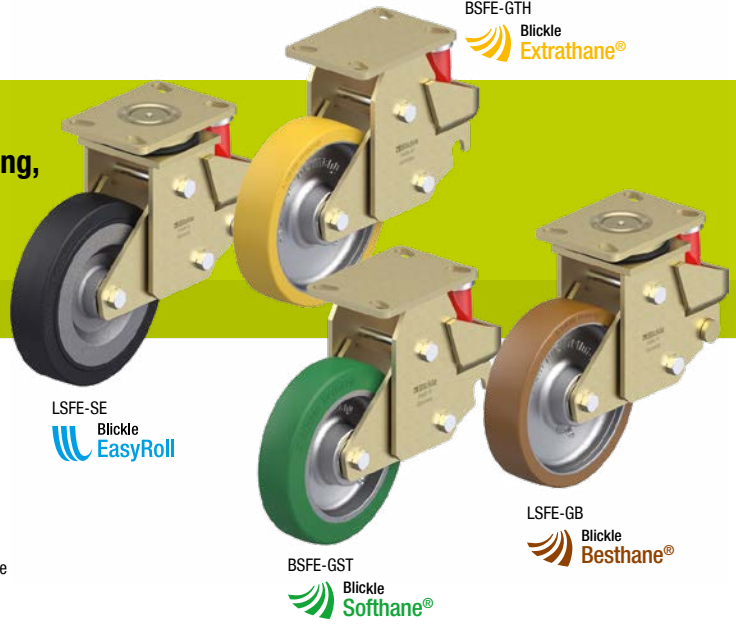


	With "Radstop" wheel brake	Electrically conductive version, black tire	Antistatic version, non-marking, gray tire	Antistatic version, non-marking gray	Antistatic version, non-marking dark gray	Other designs	With alternative spring tensions
Product code suffix	-RA	-EL	-SG-AS	-AS	-AS		
Available for	Consult factory	See ALEV...-EL series (page 148)	See ALEV...-SG-AS series (page 152)	See ALTH...-AS series (page 153)	See ALST...-AS series (page 154)	Consult factory	Consult factory

* Other versions / options: European metric top plate fitting, consult factory

LSFE/BSFE-16 series

Welded steel heavy-duty casters with polyurethane spring, wheel with elastic solid rubber tire or polyurethane tread Blickle Extrathane® / Softhane® / Besthane®



990–2,205 lbs

RoHS

Rig: 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 rig:

- 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

Wheels:

- SE series
 - Tire: high-quality elastic solid rubber "Blickle EasyRoll" in smooth rolling quality, hardness 65 Shore A, color black
 - Wheel center: thick-walled pressed steel, lacquered, color anthracite

GTH series

- Tread: high-quality polyurethane elastomer Blickle Extrathane®, hardness 92 Shore A, color light brown, non-marking, non-staining

GST series

- Tread: high-quality polyurethane elastomer Blickle Softhane®, hardness 75 Shore A, color green, non-marking, non-staining

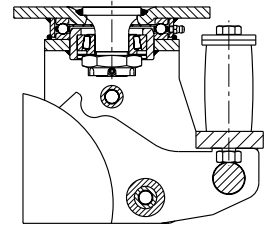
GB series

- Tread: high-quality polyurethane elastomer Blickle Besthane®, hardness 92 Shore A, color brown, non-marking, non-staining

- Wheel center GTH/GST/GB series: rugged gray cast iron, with grease nipple, lacquered, color silver

Additional details:

- Rig series: page 38
- Wheel series: page 106, 111, 119, 120
- Bearing types: page 21

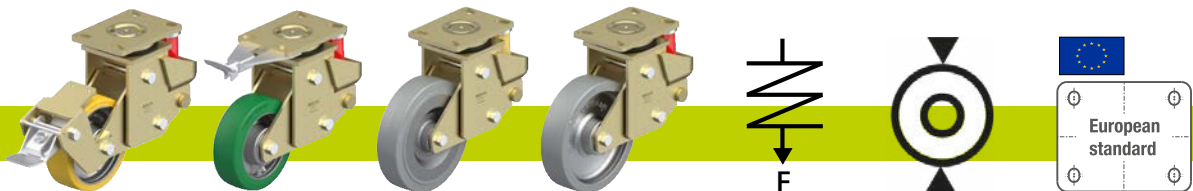


5

Swivel casters	Rigid casters	Wheel Ø		Wheel width		Load capacity		Target operational load *		Spring tension		Initial tension		Spring travel		Total height		Plate size	Bolt hole spacing	Bolt hole Ø	Swivel hole lead
		[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]	[lbs]	[kg]	[lbs]	[kg]	[inch]	[mm]	[inch]	[mm]	[inch]	[inch]	[inch]	[inch]		
LSFE-SE series																					
LSFE-SE 160K-16	BSFE-SE 160K-16	6 7/16	160	2	50	990	450	390	180	660	300	110	50	1	25	9 5/8	245	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	4
LSFE-SE 200K-16	BSFE-SE 200K-16	8	200	2	50	1,320	600	610	280	1,100	500	110	50	1	25	10 7/16	265	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	4
LSFE-GTH series																					
LSFE-GTH 150K-16	BSFE-GTH 150K-16	6	150	2	50	1,765	800	610	280	1,100	500	110	50	1	25	9 7/16	240	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	4
LSFE-GTH 200K-16	BSFE-GTH 200K-16	8	200	2	50	2,205	1,000	610	280	1,100	500	110	50	1	25	10 7/16	165	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	4
LSFE-GST series																					
LSFE-GST 150K-16	BSFE-GST 150K-16	6	150	2	50	1,260	570	610	280	1,100	500	110	50	1	25	9 7/16	240	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	4
LSFE-GST 200K-16	BSFE-GST 200K-16	8	200	2	50	1,765	800	610	280	1,100	500	110	50	1	25	10 7/16	165	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	4
LSFE-GB series																					
LSFE-GB 150K-16	BSFE-GB 150K-16	6	150	2	50	1,765	800	610	280	1,100	500	110	50	1	25	9 7/16	240	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	4
LSFE-GB 200K-16	BSFE-GB 200K-16	8	200	2	50	2,205	1,000	610	280	1,100	500	110	50	1	25	10 7/16	165	4 1/2 x 6 1/4	2 7/16 x 4 15/16 / 3 3/8 x 5 1/4	9/16	4

* At 50 % spring deflection

Versions / options



Product code suffix	-RA	-RI	-SG	-AS							
Available for	Consult factory	Consult factory	SE series Consult factory	GTH / GST series Consult factory	With "Radstop" wheel brake	With swivel lock	With non-marking gray tire	Antistatic version, non-marking gray	With alternative spring tensions	Further dimensions up to 12" and a load capacity of 5,300 lbs	European metric top plate fitting

LI/B-12 series

Heat-resistant pressed steel casters with top plate, wheel with heat-resistant silicone rubber tread / heat-resistant thermoplastic wheel

220–330 lbs

-15 °F to +480 °F ✓RoHS

Rig: LI/B series

- Pressed steel, zinc-plated, blue-passivated, Cr6-free

Swivel rig:

- Double ball bearing in the swivel head
- Smooth rolling characteristic and low wear, increased service life
- Swivel head play is set specifically for high-temperature applications
- Highly heat-resistant grease

Additional details:

- Rig series: page 39
- Brakes: page 43–44
- Wheel series: page 133, 134
- Bearing types: page 21

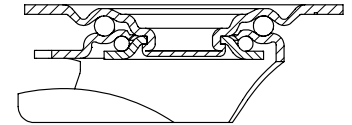
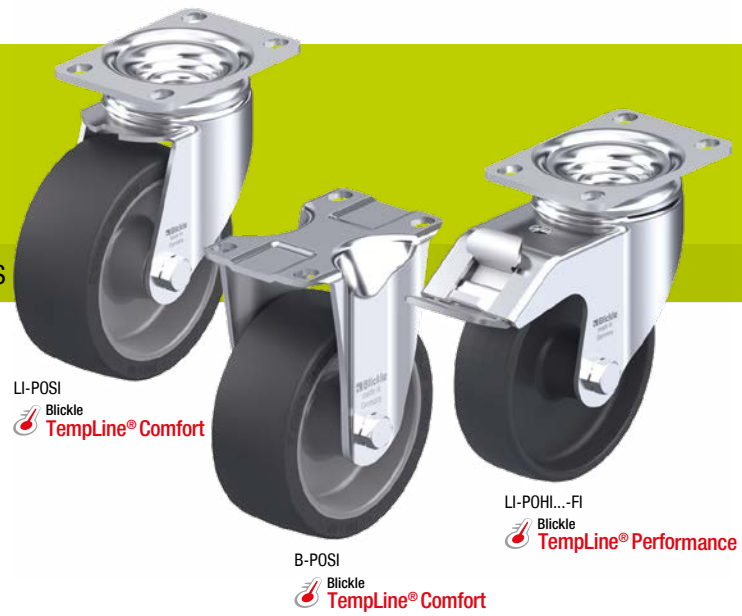
Wheel:

POSI series

- Tread: highly heat-resistant silicone rubber, hardness 75 Shore A, color black
- Wheel center: highly heat-resistant thermoplastic, impact resistant, color dark gray
- Operating temperature: -15 °F to +480 °F

POHI series

- Highly heat-resistant thermoplastic, impact resistant, hardness 85 Shore D, color dark gray
- Operating temperature: -15 °F to +480 °F



Swivel casters	Rigid casters	Swivel casters with "stop-fix" brake	Wheel Ø		Wheel width		Load capacity		Bearing type	Total height		Plate size	Bolt hole spacing	Bolt hole Ø	Swivel lead
			[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]		[inch]	[mm]				
LI-POSI series															
LI-POSI 100G-12-XAT	B-POSI 100G-12-XAT	LI-POSI 100G-12-FI-XAT	4	100	1 9/16	40	220	100	plain bore	5 1/8	130	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 7/16
LI-POSI 125G-12-XAT	B-POSI 125G-12-XAT	LI-POSI 125G-12-FI-XAT	5	125	1 9/16	40	265	120	plain bore	6 1/8	155	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 1/2
LI-POHI series															
LI-POHI 100G-12-XAT	B-POHI 100G-12-XAT	LI-POHI 100G-12-FI-XAT	4	100	1 3/16	30	330	150	plain bore	5 1/8	130	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 7/16
LI-POHI 125G-12-XAT	B-POHI 125G-12-XAT	LI-POHI 125G-12-FI-XAT	5	125	1 9/16	40	330	150	plain bore	6 1/8	155	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 1/2

All casters include PTFE coated stainless steel spanners (XAT), for more details refer to page 47

Versions / options



	With non-marking gray tire *	With ball bearing with heat-resistant grease	With silicone rubber tread and aluminum wheel center	With bigger wheel diameters	With hollow kingpin, for mounting bolt Ø 1/2"	Heat-resistant heavy-duty casters up to 2,750 lbs	European metric top plate fitting
Product code suffix	-SG	-HK	LI-ALSI series	LI-POHI series	LIR series	LIO series	
Available for	POSI series Consult factory	POHI series Consult factory	Consult factory	Consult factory	Consult factory	Consult factory	Consult factory

* Operating temperature: up to +465 °F

LIKPXA-12 series

Heat-resistant stainless steel light-duty casters with top plate, heat-resistant nylon / thermoplastic wheel

260 lbs

-15 °F to +480 °F ✓RoHS

Rig: LIKPXA series

- High-quality chromium-nickel steel (1.4301/ AISI 304), stainless steel, vibration-ground finishing
- All parts including axle material are corrosion-resistant
- Double ball bearing in the swivel head
- Strong central kingpin
- Smooth rolling characteristic and low wear, increased service life
- Swivel head play is set specifically for high-temperature applications
- Highly heat-resistant grease

Wheel:

- POH series**
- Highly heat-resistant nylon, impact resistant, hardness 85 Shore D, color natural
 - Operating temperature: -15 °F to +340 °F
- POHI series**
- Highly heat-resistant thermoplastic, impact resistant, hardness 85 Shore D, color dark gray
 - Operating temperature: -15 °F to +480 °F

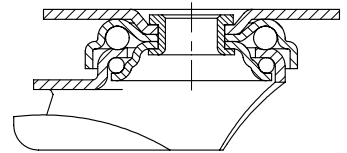
Additional details:

- Rig series: page 39
- Brakes: page 43–44
- Wheel series: page 134
- Bearing types: page 21



LIKPXA-POH
Blickle
TempLine® PerformanceLight

LIKPXA-POHI...-FI
Blickle
TempLine® Performance



6

Swivel casters	Swivel casters with "stop-fix" brake	Wheel Ø		Wheel width		Load capacity		Bearing type	Total height		Plate size	Bolt hole spacing	Bolt hole Ø	Swivel lead
		[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]		[inch]	[mm]				
LIKPXA-POH series														
LIKPXA-POH 100G-12	LIKPXA-POH 100G-12-FI	4	100	1 3/16	30	260	120	plain bore	5 3/8	136	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 9/16
LIKPXA-POH 125G-12	LIKPXA-POH 125G-12-FI	5	125	1 9/16	40	260	120	plain bore	6 5/16	161	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 9/16
LIKPXA-POHI series														
LIKPXA-POHI 100G-12	LIKPXA-POHI 100G-12-FI	4	100	1 3/16	30	260	120	plain bore	5 3/8	136	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 9/16
LIKPXA-POHI 125G-12	LIKPXA-POHI 125G-12-FI	5	125	1 1/2	40	260	120	plain bore	6 5/16	161	2 1/2 x 3 5/8	1 3/4 x 2 13/16-3 1/16	5/16	1 9/16

Versions / options



	Rigid casters with POH wheels in natural color	Rigid casters with POHI wheels in gray color	With PTFE coated stainless steel spanner	European metric top plate fitting
Product code suffix	BKPXA-POH series	BKPXA-POHI series	-XAT	
Available for	POH series Consult factory	POHI series Consult factory	Consult factory	Consult factory

LIX/BX series

Heat-resistant stainless steel casters with top plate, wheel with heat-resistant silicone rubber tread / heat-resistant thermoplastic wheel

220–330 lbs

-15 °F to +480 °F ✓RoHS

Rig: LIX/BX series

- High-quality chromium-nickel steel (1.4301/ AISI 304), stainless steel, vibration-ground finishing
- All parts including axle material are corrosion-resistant

Swivel rig:

- Double ball bearing in the swivel head
- Strong central kingpin
- Smooth rolling characteristic and low wear, increased service life
- Swivel head play is set specifically for high-temperature applications
- Grease-free as standard (“-OF”)

Additional details:

- Rig series: page 39
- Brakes: page 43–44
- Wheel series: page 133, 134
- Bearing types: page 21

Wheel:

POSI series

- Tread: highly heat-resistant silicone rubber, hardness 75 Shore A, color black
- Wheel center: highly heat-resistant thermoplastic, impact resistant, color dark gray
- Operating temperature: -15 °F to +480 °F

POHI series

- Highly heat-resistant thermoplastic, impact resistant, hardness 85 Shore D, color dark gray
- Operating temperature: -15 °F to +480 °F

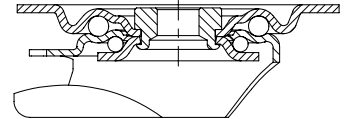
LIX-POSI



LIX-POHI...-FI



BX-POSI



Swivel casters	Rigid casters	Swivel casters with “stop-fix” brake	Wheel Ø		Wheel width		Load capacity		Bearing type	Total height		Plate size	Bolt hole spacing	Bolt hole Ø	Swivel lead
			[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]		[inch]	[mm]				
LIX-POSI series															
LIX-POSI 100G-OF-XAT	BX-POSI 100G-XAT	LIX-POSI 100G-FI-OF-XAT	4	100	1 9/16	40	220	100	plain bore	4 15/16	125	100 x 85	80 x 60	5/16	1 7/16
LIX-POSI 125G-OF-XAT	BX-POSI 125G-XAT	LIX-POSI 125G-FI-OF-XAT	5	125	1 9/16	40	265	120	plain bore	5 7/8	150	100 x 85	80 x 60	5/16	1 1/2
LIX-POHI series															
LIX-POHI 100G-OF-XAT	BX-POHI 100G-XAT	LIX-POHI 100G-FI-OF-XAT	4	100	1 3/16	30	330	150	plain bore	4 15/16	125	100 x 85	80 x 60	5/16	1 7/16
LIX-POHI 125G-OF-XAT	BX-POHI 125G-XAT	LIX-POHI 125G-FI-OF-XAT	5	125	1 9/16	40	330	150	plain bore	5 7/8	150	100 x 85	80 x 60	5/16	1 1/2

All casters include PTFE coated stainless steel spacers (XAT), for more details refer to page 47

6

Versions / options



Product code suffix	-HXX	Remove -OF suffix	LIX-ALSI series	LIX-POHI series	LIXR series	LIKX series	LIX-POH series
Available for	POHI series Consult factory	Consult factory	Consult factory	Consult factory	Consult factory	Consult factory	Consult factory

Blickle levelling casters

From mobile to stable – The right solution for every need

330–660 lbs

RoHS



HRLK series

Levelling caster, pressed steel swivel rig with fixed operating lever, with top plate fitting

Special features:

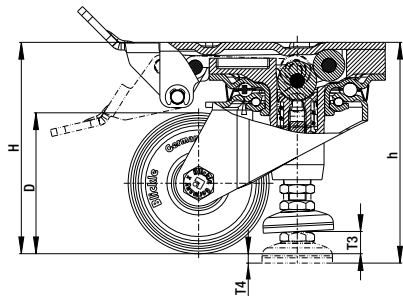
- Ergonomic lever
- Fixed position lever for ease of use of the lever
- High floor clearance in the travel position

Performing a change of location:

frequent

Stability:

good



HRLK...-F series

Levelling caster, pressed steel swivel rig with fixed lock and height-adjustable wheel, with top plate fitting

Special features:

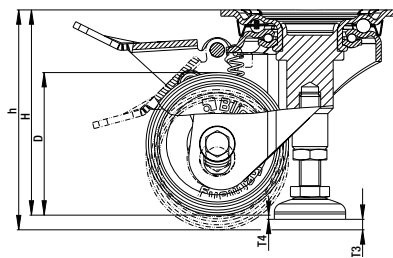
- Very good stability
- Low force required to make height adjustments to the wheel
- Lever can be pivoted under the edge of the unit

Performing a change of location:

occasional

Stability:

excellent



HRLK...-HN series

Levelling caster, pressed steel swivel rig with swivelling operating lever, with top plate fitting

Special features:

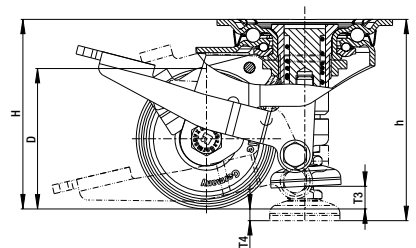
- Low force required to release and activate the truck lock
- Operating and release lever can be pivoted under the edge of the unit
- High floor clearance in the travel position

Performing a change of location:

occasional

Stability:

good



Want to know more?
Simply scan the QR code
and immerse yourself in the
Blickle world of innovations.

For more detailed information and more versions, refer to pages 40–41

HRLK series

Levelling casters with top plate, with integrated truck lock – metric standards

330–660 lbs

RoHS

- Rig:** HRLK/HRLK...-F/HRLK...-HN series
- Strong pressed steel, zinc-plated, blue-passivated, Cr6-free
 - Double ball bearing in the swivel head
 - Swivel head seal
 - Minimum swivel head play and smooth rolling characteristic and increased service life due to the special dynamic Blickle riveting process
 - Steel truck lock with rubber pad
 - HRLK series: height adjustment with lever
 HRLK...-F series: height adjustment with swivelling operating lever
 HRLK...-HN series: height adjustment with swivelling operating and release lever

Additional details:

- Rig series: page 40–41
- Wheel series: page 110, 125, 126
- Bearing types: page 21

Wheels:

- ALTH series**
- Tread: high-quality polyurethane elastomer Blickle Extrathane®, hardness 92 Shore A, color light brown, non-marking, non-staining
 Wheel center: die-cast aluminum, color silver gray
- POG series**
- High-quality nylon 6, impact resistant, hardness 70 Shore D, color gray
- SPOG series**
- High-quality nylon 6, impact resistant, hardness 70 Shore D, extremely robust heavy-duty version, color gray



HRLK-POG...-F

HRLK-SPOG...-HN

Swivel casters	Wheel Ø (D)		Wheel width (T2)		Load capacity		Static load capacity *		Bearing type	Total height (H)		Max. total height (h)		Lifting height (T4)		Plate size [mm]	Bolt hole spacing [mm]	Bolt hole Ø [inch]	Swivel lead [inch]
	[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]	[lbs]	[kg]		[inch]	[mm]	[inch]	[mm]	[inch]	[mm]				
HRLK-ALTH series **																			
HRLK-ALTH 80K	3 1/8	80	1 3/16	30	400	180	2,205	1,000	ball bearing	4 3/4	120	4 13/16	122	1/16	2	100 x 85	80 x 60	5/16	2 3/16
HRLK-ALTH 100K	4	100	1 9/16	40	505	230	2,205	1,000	ball bearing	5 1/2	140	5 9/16	142	1/16	2	100 x 85	80 x 60	5/16	2 9/16
HRLK-POG series **																			
HRLK-POG 82G	3 1/8	80	1 7/16	37	505	230	2,205	1,000	plain bore	4 3/4	120	4 13/16	122	1/16	2	100 x 85	80 x 60	5/16	2 3/16
HRLK-POG 100G	4	100	1 7/16	37	505	230	2,205	1,000	plain bore	5 1/2	140	5 9/16	142	1/16	2	100 x 85	80 x 60	5/16	2 9/16
HRLK-SPOG series **																			
HRLK-SPOG 80K	3 1/8	80	1 7/16	37	660	300	2,205	1,000	ball bearing	4 3/4	120	4 13/16	122	1/16	2	100 x 85	80 x 60	5/16	2 3/16
HRLK-POG...-F series																			
HRLK-POG 80G-F	3 1/8	80	1 1/4	37	330	150	3,305	1,500	plain bore	4 3/4	120	4 13/16	122	1/16	2	100 x 85	80 x 60	5/16	2 1/16
HRLK-SPOG...-HN series																			
HRLK-SPOG 80K-HN	3 1/8	80	1 7/16	37	550	250	2,200	1,000	ball bearing	4 3/4	120	4 3/4	122	1/16	2	100 x 85	80 x 60	5/16	2 3/16

* When standing on the truck lock

** The foot-operated actuation lever of the Blickle HRLK series does not rotate with the swivel head and is therefore always accessible

Versions / options



	HRLHD series up to 1,320 lbs	HRP series	HRIG series	HRSP series up to 4,400 lbs	Levelling casters with hydraulic pump	Matching synthetic adapter plate ***	Stainless steel version
Product code suffix	HRLHD-SPO 75K	HRP-POA series	HRIG-POA series	HRSP-POA 72G HRSP-GSPO 90G	HRLK...-HYD series	AP1-10	HRLKX series
Available for	Consult factory	Consult factory	Consult factory	Consult factory	Consult factory	Consult factory	Consult factory

*** For total height compensation (+3/8") for corresponding swivel and rigid casters

L-TM/TTM series

Swivel casters with dead man's brake, with top plate – metric standards

880 lbs

✓RoHS



L-GEV...TM13-SG

L-GST.TM13
Blickle Softthane®

L-GTH...TM13
Blickle Extrathane®



Swivel casters with dead man's brake:

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



Wheel: GEV series:

- Tires: high-quality elastic solid rubber in smooth rolling quality, hardness 65 Shore A, non-marking, gray
- Wheel center: made from robust gray cast iron, lacquered, color silver
- Brake mechanism: integrated into the wheel center, zinc-plated, blue-passivated, Cr6-free



Wheel: GST series:

- Tread: high-quality polyurethane-elastomer Blickle Softthane®, hardness 75 Shore A, color green, non-marking, non-staining
- Wheel center: made from robust gray cast iron, lacquered, color silver
- Brake mechanism: integrated into the wheel center, zinc-plated, blue-passivated, Cr6-free



Wheel: GTH series:

- Tread: high-quality polyurethane-elastomer Blickle Extrathane®, hardness 92 Shore A, color light brown, non-marking, non-staining
- Wheel center: made from robust gray cast iron, lacquered, color silver
- Brake mechanism: integrated into the wheel center, zinc-plated, blue-passivated, Cr6-free



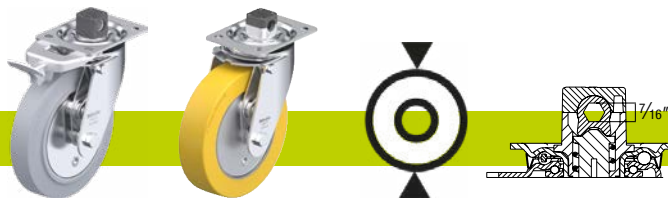
Swivel casters with a dead man's brake and swivel head brake:

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

Swivel casters with dead man's brake	Swivel casters with a dead man's brake and swivel head brake	Wheel Ø		Wheel width		Load capacity		Bearing type	Total height		Plate size	Bolt hole spacing	Bolt hole Ø	Width across flats	Swivel lead
		[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]		[inch]	[mm]					
L-GEV series															
L-GEV 200K-TM13-SG	L-GEV 200K-TTM13-SG	8	200	2	50	880	400	ball bearing	9 1/4	235	140 x 110	105 x 75-80	7/16	13	2 9/16
L-GST series															
L-GST 200K-TM13	L-GST 200K-TTM13	8	200	2	50	880	400	ball bearing	9 1/4	235	140 x 110	105 x 75-80	7/16	13	2 9/16
L-GTH series															
L-GTH 200K-TM13	L-GTH 200K-TTM13	8	200	2	50	880	400	ball bearing	9 1/4	235	140 x 110	105 x 75-80	7/16	13	2 9/16

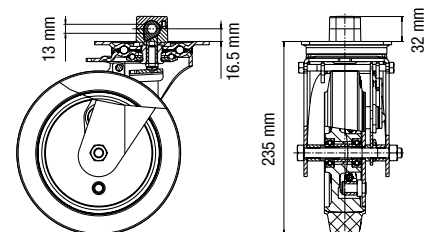
Braking can place swivel casters under a significant amount of additional stress, depending on the mass which needs to be braked. We recommend using an additional safety factor of 2.0-3.0 when designing the vehicle / chassis.

Versions / options



- Operating angle: max. 38°
- Torque required to release the brake: < 10 Nm (4.7 ft-lbf)
- Braking force: > 400 N (90 lbf)

	Swivel lock (separate) 1 x 360°	Dead man's brake for hydraulic operating systems	Further dimensions	System operated with switch cam 7/16"
Product code suffix	RI-05.03			-TM7/16" / -TTM7/16"
Available for	Consult factory	Consult factory	Consult factory	Consult factory

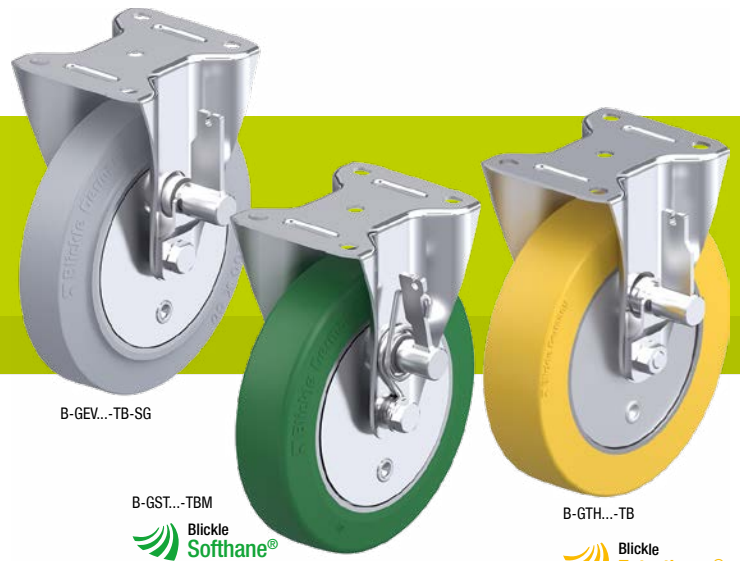


B-TB/TM series

Rigid casters with drum brake and dead man's brake, with top plate – metric standards

990–1,320 lbs

RoHS



B-GEV...-TB-SG

B-GST...-TBM

B-GTH...-TB



Rigid casters with drum brake:

- Rigid casters with a drum brake can be activated with a variety of features, e.g. a lever arm or a cable pull.
- The closed rig design makes the brake shoes largely resistant to corrosion and dirt. This ensures that braking performance remains consistent regardless of moisture and dirt in the area.



Rigid casters with dead man's brake:

- Rigid casters with a dead man's brake are similar to drum-braked casters, but use an integrated spring for braking when the brake is not activated. The brake can be released using a lever arm or cable pull.
- The closed rig design makes the brake shoes largely resistant to corrosion and dirt. This ensures that braking performance remains consistent regardless of moisture and dirt in the area.



Wheel: GEV series:

- Tires: high-quality elastic solid rubber in smooth rolling quality, hardness 65 Shore A, non-marking, gray
- Wheel center: made from robust gray cast iron, lacquered, color silver
- Brake mechanism: integrated into the wheel center, zinc-plated, blue-passivated, Cr6-free



Wheel: GST series:

- Tread: high-quality polyurethane-elastomer Blickle Softhane®, hardness 75 Shore A, color green, non-marking, non-staining
- Wheel center: made from robust gray cast iron, lacquered, color silver
- Brake mechanism: integrated into the wheel center, zinc-plated, blue-passivated, Cr6-free



Wheel: GTH series:

- Tread: high-quality polyurethane-elastomer Blickle Extrathane®, hardness 92 Shore A, color light brown, non-marking, non-staining
- Wheel center: made from robust gray cast iron, lacquered, color silver
- Brake mechanism: integrated into the wheel center, zinc-plated, blue-passivated, Cr6-free

Rigid casters with drum brake	Rigid casters with dead man's brake *	Wheel Ø		Wheel width		Load capacity		Bearing type	Total height		Plate size	Bolt hole spacing	Bolt hole Ø
		[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]		[inch]	[mm]			
B-GEV series													
B-GEV 160K-TB-SG	B-GEV 160K-TM-SG	6 5/16	160	2	50	990	450	ball bearing	7 11/16	195	140 x 110	105 x 75-80	3/8
B-GEV 200K-TB-SG	B-GEV 200K-TM-SG	8	200	2	50	1,320	600	ball bearing	9 1/4	235	140 x 110	105 x 75-80	3/8
B-GST series													
B-GST 200K-TB	B-GST 200K-TM	8	200	2	50	1,320	600	ball bearing	9 1/4	235	140 x 110	105 x 75-80	3/8
B-GTH series													
B-GTH 160K-TB	B-GTH 160K-TM	6 5/16	160	2	50	1,320	600	ball bearing	7 11/16	195	140 x 110	105 x 75-80	3/8
B-GTH 200K-TB	B-GTH 200K-TM	8	200	2	50	1,320	600	ball bearing	9 1/4	235	140 x 110	105 x 75-80	3/8

* L or R must be added to the product code for left-handed and right-handed versions.

Versions / options



With heavy-duty rig	Further dimensions	US standard top plate fitting 4 1/2" x 6 1/4"
Product code suffix	BH series	BS series
Available for	Consult factory	Consult factory

- Action path: approx. 10–12 mm (3/8" – 1/2")
- Operating angle: approx. 13°–15°
- Actuation force: < 250 N (55 lbf)
- Braking force: > 500 N (110 lbf)

Left-handed version

Right-handed version

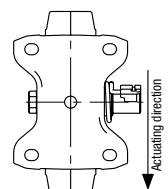
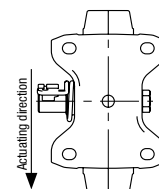


Table of Contents

Blickle Series		up to	Page
POES, ALES	Wheels with “Blickle SoftMotion” soft rubber tires, with nylon or aluminum wheel center	770 lbs	104
POEV ALEV, SE	Heavy-duty wheels with elastic solid rubber tire “Blickle EasyRoll”, with nylon, aluminum or welded steel wheel center	1,100 lbs 2,205 lbs	105 106
TPA VPA	Wheels with thermoplastic rubber tread, with polypropylene wheel center Wheels with solid rubber tire, with synthetic rim	440 lbs 130 lbs	107
PATH POTH	Wheels with thermoplastic polyurethane tread, with (heavy-duty) nylon wheel center	1,100 lbs 1,765 lbs	108 109
VSTH, ALTH GTH, GTHN	Heavy-duty wheels with Blickle Extrathane® polyurethane tread, with steel, aluminum or cast iron wheel center	2,755 lbs 5,290 lbs	110 111–118
ALST, GST	Heavy-duty wheels with Blickle Softhane® polyurethane tread, with aluminum or cast iron wheel center	3,085 lbs	119
ALB, GB	Heavy-duty wheels with Blickle Besthane® polyurethane tread, with aluminum or cast iron wheel center	3,970 lbs	120
ALBS, POBS	Heavy-duty wheels with Blickle Besthane® Soft polyurethane tread, with aluminum or nylon wheel center	1,650 lbs	121
VLE	Heavy-duty wheels with super-elastic solid rubber tires, with pressed steel rim	4,155 lbs	122–123
POA, PO, POG SPOG POW GSPO	Nylon wheels Heavy-duty nylon wheels Low-noise nylon wheels with rubber damping ring Heavy-duty cast nylon wheels	2,205 lbs 4,410 lbs 485 lbs 6,615 lbs	124–125 126 127 128
SPK, SPKGSPO DSPK, DSPKGSPO	Cast iron or cast nylon flanged wheels Twin cast iron or cast nylon flanged wheels	7,715 lbs 2,645 lbs	129–130 131–132
POSI POH, POHI	Heat-resistant Blickle TempLine® Comfort wheels with silicone rubber tread Heat-resistant thermoplastic Blickle TempLine® Performance(Light) wheels	265 lbs 1,320 lbs	133 134
FTH, FSTH	Guide rollers with Blickle Extrathane® polyurethane tread	705 lbs	135–136
HTH, HTHW, HPO	Rollers for pallet trucks	2,425 lbs	137–139
RTH, RB, REV	Wheels for stackers, drive and running wheels for forklift trucks		140–141

Wheel section



POES, ALES series

Wheels with “Blickle SoftMotion” soft rubber tires, with nylon or aluminum wheel center



245–770 lbs

✓RoHS

Tread and tire hardness

55 Shore A

Smooth operation / floor preservation

excellent

Rolling resistance

very good

Wear resistance

good



Tire:

- High-quality elastic solid rubber “Blickle SoftMotion”, hardness 55 Shore A
- Maximum operational comfort
- Excellent floor preservation, particularly quiet operation
- Low rolling resistance
- Color gray, non-marking
- Vulcanised onto the wheel center

Wheel center:

- POES series: high-quality nylon 6, impact resistant, color black
- ALES series: die-cast aluminum

Other features:

- KA version: with synthetic thread guard, small
- KF version: with synthetic thread guard, large
- High chemical resistance to many aggressive substances, except oils
- Operating temperature: -5 °F to +175 °F; reduced load capacity over +95 °F (POES) or +140 °F (ALES)

Wheels	Wheel Ø (D)		Wheel width (T2)		Load capacity at 2.5 mph		Load capacity at 6.2 mph		Bearing type	Axle bore Ø (d) [mm]	Hub length (T1)	
	[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]	[lbs]	[kg]			[inch]	[mm]
POES series												
POES 80/8KF-SG	3 1/8	80	1 1/8	40	245	110	–	–	ball bearing (C)	8	1 1/8	46
POES 102/8KF-SG	4	100	1 1/4	32	265	120	–	–	ball bearing (C)	8	1 1/8	36
POES 100/8KF-SG	4	100	1 1/8	40	330	150	–	–	ball bearing (C)	8	1 1/8	46
POES 127/8KF-SG	5	125	1 1/4	32	330	150	–	–	ball bearing (C)	8	1 1/8	36
POES 125/8KA-SG	5	125	1 1/8	40	385	175	–	–	ball bearing (C)	8	1 1/8	46
POES 150/12KA-SG	6	150	2	50	615	280	–	–	ball bearing (CC)	12	2 1/8	62
POES 160/12KA-SG	6 5/16	160	2	50	660	300	–	–	ball bearing (CC)	12	2 1/8	62
POES 200/12KA-SG	8	200	2	50	770	350	–	–	ball bearing (CC)	12	2 1/8	62
ALES series												
ALES 150/20K-SG	6	150	2	50	615	280	485	220	ball bearing	20	2 3/8	60
ALES 150/20XK-SG *	6	150	2	50	615	280	485	220	ball bearing	20	2 3/8	60
ALES 160/20K-SG	6 5/16	160	2	50	660	300	530	240	ball bearing	20	2 3/8	60
ALES 200/20K-SG	8	200	2	50	770	350	615	280	ball bearing	20	2 3/8	60
ALES 200/20XK-SG *	8	200	2	50	770	350	615	280	ball bearing	20	2 3/8	60

* Corrosion-resistant bearing

Additional details:

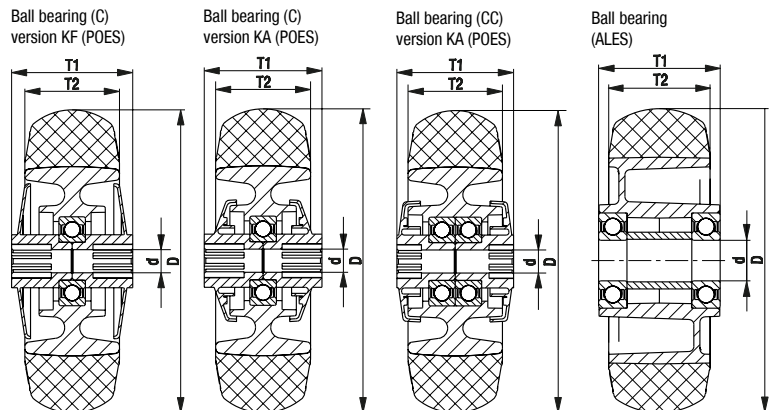
- Bearing types: page 21
- Chemical resistance: page 31

Versions / options



Thread guard with additional ball bearing seals

Product code suffix	-KAD / -KFD
Available for	POES series Consult factory



POEV series

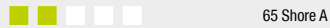
Heavy-duty wheels with elastic solid rubber tire
 “Blickle EasyRoll”,
 with nylon wheel center



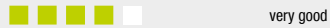
265–1,100 lbs

RoHS

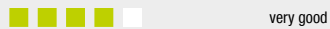
Tread and tire hardness



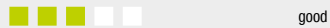
Smooth operation / floor preservation



Rolling resistance



Wear resistance



Tire:

- High-quality elastic solid rubber “Blickle EasyRoll” in smooth rolling quality, hardness 65 Shore A
- Very good operational comfort
- Very good floor preservation, low-noise operation
- Low rolling resistance
- Color black / color gray or blue, non-marking
- Vulcanised onto the wheel center

Wheel center:

- High-quality nylon 6, impact resistant
- Color black

Other features:

- KA version: with synthetic thread guard, small
- KF version: with synthetic thread guard, large
- High chemical resistance to many aggressive substances, except oils
- Operating temperature: -5 °F to +175 °F, temporarily up to +210 °F, reduced load capacity over +95 °F

Additional details:

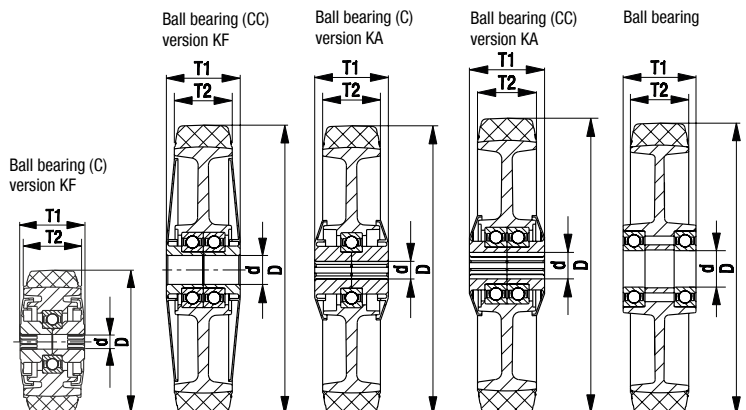
- Bearing types: page 21
- Chemical resistance: page 31

Wheels	Wheel Ø (D)		Wheel width (T2)		Load capacity		Bearing type	Axle bore Ø (d) [mm]	Hub length (T1)	
	[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]			[inch]	[mm]
POEV series (black)										
POEV 60/8KF	2 3/8	60	1 5/16	34	265	120	ball bearing (CC)	8	1 7/16	36
POEV-SG series (gray)										
POEV 80/8KF-SG	3 1/8	80	1 1/4	32	310	140	ball bearing (C)	8	1 7/16	36
POEV 82/8KF-SG	3 1/8	80	1 9/16	40	375	170	ball bearing (C)	8	1 13/16	46
POEV 89x32/10KF-SG	3 1/2	89	1 1/4	32	350	160	ball bearing (C)	10	1 13/16	46
POEV 100/8KA-SG	4	100	1 1/4	32	440	200	ball bearing (C)	8	1 13/16	46
POEV 100/10KA-SG	4	100	1 1/4	32	440	200	ball bearing (C)	10	1 13/16	46
POEV 125/8KA-SG	5	125	1 7/16	37	550	250	ball bearing (C)	8	1 13/16	46
POEV 125/10KA-SG	5	125	1 7/16	37	550	250	ball bearing (C)	10	1 13/16	46
POEV 127/8KA-SG-01	5	125	1 1/4	31	330	150	ball bearing (C)	8	1 7/16	36
POEV 160/12KA-SG	6 5/16	160	2	50	880	400	ball bearing (CC)	12	2 7/16	62
POEV 160/20K-SG	6 5/16	160	2	50	880	400	ball bearing	20	2 3/8	60
POEV 200/12KA-SG	8	200	2	50	1,100	500	ball bearing (CC)	12	2 7/16	62
POEV 200/20K-SG	8	200	2	50	1,100	500	ball bearing	20	2 3/8	60
POEV-SB series (blue)										
POEV 102/8-36KA-SB	4	100	1 1/4	32	440	200	ball bearing (C)	8	1 7/16	36
POEV 102/8KA-SB	4	100	1 1/4	32	440	200	ball bearing (C)	8	1 13/16	46
POEV 126/8KA-SB-01	5	125	1 7/16	37	550	250	ball bearing (C)	8	1 13/16	46
POEV 126/10KA-SB-01	5	125	1 7/16	37	550	250	ball bearing (C)	10	1 13/16	46

Versions / options



With stainless steel ball bearing	Further Dimensions
Product code suffix	-XK / -XKA / -XKF
Available for	Consult factory



ALEV, SE series

Heavy-duty wheels with elastic solid rubber tires "Blickle EasyRoll", with aluminum / pressed steel wheel center



ALEV



SE



440–2,205 lbs

✓RoHS

Tread and tire hardness

65 Shore A

Smooth operation / floor preservation

very good

Rolling resistance

very good

Wear resistance

good

Tire:

- High-quality elastic solid rubber "Blickle EasyRoll" in smooth rolling quality, hardness 65 Shore A
- Very good operational comfort
- Very good floor preservation, low-noise operation
- Low rolling resistance
- Color black
- Vulcanised onto the wheel center

Wheel center:

- ALEV series: die-cast aluminum
- SE series: thick-walled pressed steel, with tubular steel hub, triple welded, resistant to dirt, impact and shocks, lacquered, color anthracite, wheel Ø 5" made from high-quality nylon 6, impact resistant, color black

Other features:

- High chemical resistance to many aggressive substances, except oils
- Operating temperature: -5 °F to +175 °F, temporarily up to +210 °F, reduced load capacity over +140 °F

Additional details:

- Bearing types: page 21
- Chemical resistance: page 31

Wheels	Wheel Ø (D)		Wheel width (T2)		Load capacity at 2.5 mph		Load capacity at 6.25 mph		Bearing type	Axle bore Ø (d) [mm]	Hub length (T1)	
	[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]	[lbs]	[kg]			[inch]	[mm]
ALEV series												
ALEV 100/15K	4	100	1 9/16	40	440	200	–	–	ball bearing	15	1 9/16	40
ALEV 125/15K	5	125	1 9/16	40	550	250	–	–	ball bearing	15	1 3/4	45
ALEV 150/20K	6	150	2	50	880	400	440	200	ball bearing	20	2 3/8	60
ALEV 160/20K	6 5/16	160	2	50	880	400	440	200	ball bearing	20	2 3/8	60
ALEV 200/20K	8	200	2	50	1,100	500	550	250	ball bearing	20	2 3/8	60
SE series												
SE 125/20K	5	125	2 1/16	53	705	320	400	180	ball bearing	20	2 3/8	60
SE 160/20K	6 5/16	160	2	50	990	450	550	250	ball bearing	20	2 3/8	60
SE 200/20K	8	200	2	50	1,320	600	770	350	ball bearing	20	2 3/8	60
SE 202/25K	8	200	3 1/8	80	1,875	850	1,100	500	ball bearing	25	3 9/16	90
SE 252/25K	10	250	3 1/8	80	2,205	1,000	1,320	600	ball bearing	25	3 9/16	90

9

Versions / options



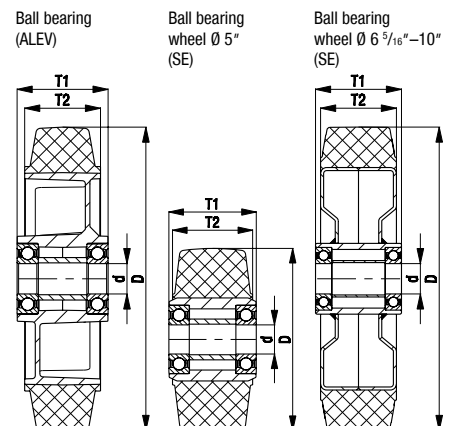
With non-marking gray rubber tire

Antistatic version, non-marking, gray tire

Electrically conductive version, black tire

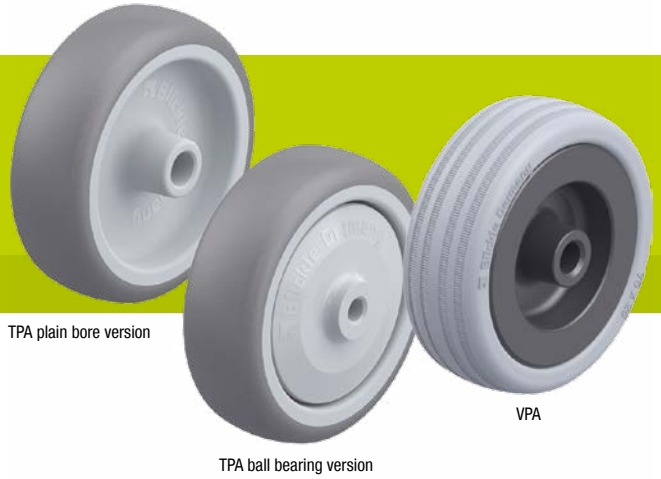
With stainless steel ball bearing

Product code suffix	-SG	-SG-AS	-EL	-XK
Available for	Consult factory	See ALEV...-SG-AS series (page 152)	See ALEV...-EL series (page 148)	Consult factory



TPA, VPA series

Wheels with thermoplastic rubber tread / solid rubber tire, with synthetic wheel center



110–440 lbs

✓RoHS

TPA series:

Tread and tire hardness

85 Shore A

Smooth operation / floor preservation

good

Rolling resistance

very good

Wear resistance

satisfactory

VPA series:

Tread and tire hardness

80 Shore A

Smooth operation / floor preservation

very good

Rolling resistance

good

Wear resistance

sufficient

TPA plain bore version

TPA ball bearing version

VPA

TPA series

- Tread: high-quality thermoplastic rubber-elastomer (TPE), hardness 85 Shore A, color gray, non-marking, oil containing
- Wheel center: high-quality polypropylene, impact resistant, color silver gray ("ELS" version color black)
- KA version: with synthetic thread guard, small
- KF version: with synthetic thread guard, large
- Very high chemical resistance to many aggressive substances
- Tread contains oil, may stain sensitive surfaces. Alternatives: series POES, POEV

VPA series

- Tire: high-quality solid rubber, hardness 80 Shore A, color gray, non-marking, non-staining (electrically conductive version "-EL" color black, marking)
- Rim: high-quality nylon 6 or polypropylene in the electrically conductive version "-EL", impact resistant, color black
- High chemical resistance to many aggressive substances, except oils

Other features:

- Operating temperature: -5 °F to +140 °F, reduced load capacity over +85 °F

Additional details:

- Bearing types: page 21
- Chemical resistance: page 31

Wheels	Wheel Ø (D)		Wheel width (T2)		Load capacity		Bearing type	Axle bore Ø (d)	Hub length (T1)	
	[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]			[mm]	[inch]
TPA series										
TPA 50/8G	2	50	3/4	19	110	50	plain bore	8	7/8	22
TPA 50/6KF	2	50	3/4	19	110	50	ball bearing (C)	6	7/8	23
TPA 75/8G	3	75	1	25	165	75	plain bore	8	1 3/16	29.5
TPA 75/6KF	3	75	1	25	165	75	ball bearing (C)	6	1 1/4	31
TPA 80/12G	3 1/8	80	1 1/4	32	220	100	plain bore	12	1 3/8	35
TPA 80/8KF	3 1/8	80	1 1/4	32	220	100	ball bearing (C)	8	1 7/16	36
TPA 100/8G	4	100	1	25	200	90	plain bore	8	1 3/16	29.5
TPA 101/12G	4	100	1 1/4	32	245	110	plain bore	12	1 3/8	35
TPA 101/8KF	4	100	1 1/4	32	245	110	ball bearing (C)	8	1 7/16	36
TPA 102/10KF	4	100	1 1/4	32	245	110	ball bearing (C)	10	1 13/16	46
TPA 126/12G	5	125	1 1/4	32	275	125	plain bore	12	1 3/8	35
TPA 126/8KF	5	125	1 1/4	32	275	125	ball bearing (C)	8	1 7/16	36
TPA 127/10KF	5	125	1 1/4	32	275	125	ball bearing (C)	10	1 13/16	46
TPA 160/12KA	6 5/16	160	1 9/16	40	440	200	ball bearing (C)	12	2 7/16	62
VPA series										
VPA 75/8G	3	75	1	25	130	60	plain bore	8	1 3/16	29.5
VPA 75/6K	3	75	1	25	130	60	ball bearing	6	1 3/16	30

Versions / options



Electrically conductive version, non-marking gray *

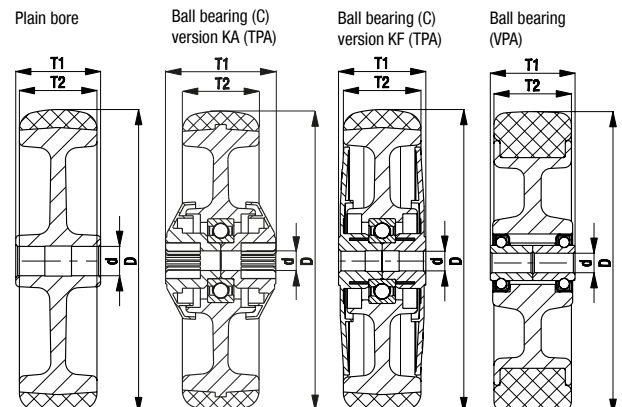
Wheel with additional ball bearing seals

Electrically conductive version, black tire **

Product code suffix	-ELS	-KAD / -KFD	-EL
Available for	See TPA...-ELS series (page 149)	TPA series Consult factory	VPA series Consult factory

* Load capacity of the wheel is reduced by 35 % to guarantee conductivity.

** Load capacity of the wheel is reduced by 25 % to guarantee conductivity.



PATH series

Wheels with thermoplastic polyurethane tread,
with nylon wheel center



165–1,100 lbs

RoHS

Tread and tire hardness

94 Shore A

Smooth operation / floor preservation

good

Rolling resistance

very good

Wear resistance

very good

Tread:

- High-quality thermoplastic polyurethane (TPU), hardness 94 Shore A
- Low rolling and swivel resistance
- High abrasion resistance
- Color dark gray, non-marking, non-staining
- Chemically-bonded inseparable connection with the wheel center

Wheel center:

- High-quality nylon 6, impact resistant
- Color silver gray

Other features:

- KA version: with synthetic thread guard, small
- KF version: with synthetic thread guard, large
- Very high chemical resistance to many aggressive substances
- Operating temperature: -5 °F to +160 °F, temporarily up to +195 °F, reduced load capacity over +95 °F

Additional details:

- Bearing types: page 21
- Chemical resistance: page 31

Wheels	Wheel Ø (D)		Wheel width (T2)		Load capacity		Bearing type	Axle bore Ø (d) [mm]	Hub length (T1)	
	[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]			[inch]	[mm]
PATH 50/6KF	2	50	3/4	19	165	75	ball bearing (C)	6	7/8	23
PATH 75/6KF	3	75	1	25	220	100	ball bearing (C)	6	1 1/4	31
PATH 80/8KF	3 1/8	80	1 1/4	32	330	150	ball bearing (C)	8	1 7/16	36
PATH 80/8-46KF	3 1/8	80	1 1/4	32	330	150	ball bearing (C)	8	1 13/16	46
PATH 101/8KF	4	100	1 1/4	32	440	200	ball bearing (C)	8	1 7/16	36
PATH 100/8KF	4	100	1 1/4	32	440	200	ball bearing (C)	8	1 13/16	46
PATH 100/10KF	4	100	1 1/4	32	440	200	ball bearing (C)	10	1 13/16	46
PATH 126/8KF	5	125	1 1/4	32	550	250	ball bearing (C)	8	1 7/16	36
PATH 125/8KF	5	125	1 1/4	32	550	250	ball bearing (C)	8	1 13/16	46
PATH 125/10KF	5	125	1 1/4	32	550	250	ball bearing (C)	10	1 13/16	46
PATH 160/12KA	6 5/16	160	1 9/16	40	880	400	ball bearing (C)	12	2 7/16	62
PATH 200/12KA	8	200	1 9/16	40	1,100	500	ball bearing (C)	12	2 7/16	62

9

Versions / options



Electrically conductive version, non-marking gray * Thread guard with additional ball bearing seals

Product code suffix

-ELS

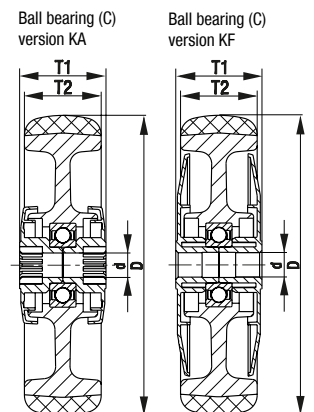
-KAD / -KFD

Available for

See PATH...-ELS series (page 150)

Consult factory

* Wheel load capacity of electrically conductive version reduced by 35 %



POTH series

Wheels with thermoplastic polyurethane tread, with heavy-duty nylon wheel center

660–1,765 lbs

RoHS

Tread and tire hardness

94 Shore A

Smooth operation / floor preservation

good

Rolling resistance

very good

Wear resistance

very good



Standard version



Corrosion-resistant version

Tread:

- High-quality thermoplastic polyurethane (TPU), hardness 94 Shore A
- Low rolling and swivel resistance
- High abrasion resistance
- Color dark gray, non-marking, non-staining
- Chemically-bonded inseparable connection with the wheel center

Wheel center:

- High-quality nylon 6, impact resistant
- Color natural white

Other features:

- KA version: with synthetic thread guard, small
- Very high chemical resistance to many aggressive substances
- Operating temperature: -5 °F to +160 °F, temporarily up to +195 °F, reduced load capacity over +95 °F

Additional details:

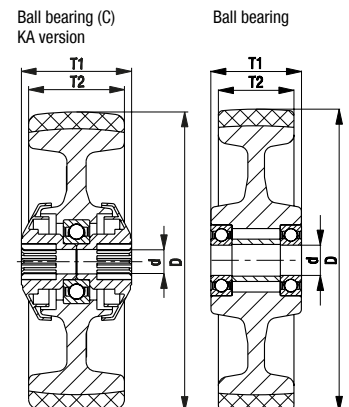
- Bearing types: page 21
- Chemical resistance: page 31

Wheels	Wheel Ø (D)		Wheel width (T2)		Load capacity		Bearing type	Axle bore Ø (d)	Hub length (T1)	
	[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]			[inch]	[mm]
POTH series										
POTH 100/10KA	4	100	1 3/8	35	660	300	ball bearing (C)	10	1 13/16	46
POTH 125/10KA	5	125	1 9/16	40	770	350	ball bearing (C)	10	1 13/16	46
POTH 150/20K	6	150	1 3/4	45	1,100	500	ball bearing	20	2 3/8	60
POTH 200/20K	8	200	2	50	1,765	800	ball bearing	20	2 3/8	60
POTH series (corrosion-resistant)										
POTH 150/20XK	6	150	1 3/4	45	1,100	500	ball bearing	20	2 3/8	60
POTH 200/20XK	8	200	2	50	1,765	800	ball bearing	20	2 3/8	60

Versions / options



Wheel with additional ball bearing seal	Further dimensions
Product code suffix	-KD / -KAD
Available for	Consult factory



VSTH, ALTH series

Heavy-duty wheels
with **Blickle Extrathane® polyurethane tread**,
with **steel or aluminum wheel center**



VSTH

ALTH



220–2,755 lbs

RoHS

Tread and tire hardness

92 Shore A

Smooth operation / floor preservation

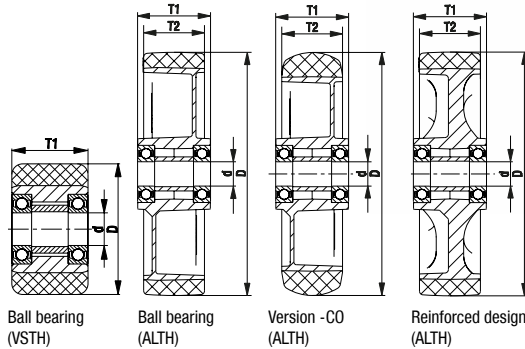
good

Rolling resistance

very good

Wear resistance

excellent



Ball bearing (VSTH)

Ball bearing (ALTH)

Version -CO (ALTH)

Reinforced design (ALTH)

- Tread:**
- High-quality polyurethane elastomer Blickle Extrathane®, hardness 92 Shore A
 - Low rolling resistance
 - High abrasion resistance
 - High cut and tear propagation resistance
 - Color light brown, non-marking, non-staining
 - Excellent chemical connection with the wheel center

- Wheel center:**
- VSTH series: steel
 - ALTH series: die-cast aluminum

- Other features:**
- High chemical resistance to many aggressive substances
 - Operating temperature: -5 °F to +160 °F, temporarily up to +195 °F, reduced load capacity over +105 °F

- Additional details:**
- Bearing types: page 21
 - Chemical resistance: page 31

Wheels	Wheel Ø (D)		Wheel width (T2)		Load capacity at 2.5 mph		Load capacity at 6.25 mph		Bearing type	Axle bore Ø (d) [mm]	Hub length (T1)	
	[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]	[lbs]	[kg]			[inch]	[mm]
VSTH series												
VSTH 35/6K	1 3/8	35	1 1/16	27	220	100	–	–	ball bearing	6	1 3/16	30
VSTH 50/8K	2	50	1 5/16	33	330	150	–	–	ball bearing	8	1 7/16	36
VSTH 60/15K	2 3/8	60	1 3/8	35	440	200	–	–	ball bearing	15	1 3/8	35
ALTH series												
ALTH 80/15K	3 1/8	80	1 3/16	30	440	200	–	–	ball bearing	15	1 3/8	35
ALTH 100/15K	4	100	1 9/16	40	770	350	–	–	ball bearing	15	1 3/4	45
ALTH 101/15K *	4	100	1 9/16	40	925	420	–	–	ball bearing	15	1 9/16	40
ALTH 101/15K-CO **	4	100	1 9/16	40	925	420	–	–	ball bearing	15	1 9/16	40
ALTH 125/15K	5	125	1 9/16	40	1,210	550	–	–	ball bearing	15	1 3/4	45
ALTH 125/15K-CO **	5	125	1 9/16	40	1,210	550	–	–	ball bearing	15	1 3/4	45
ALTH 127/20K	5	125	2 1/8	54	1,650	750	815	370	ball bearing	20	2 3/8	60
ALTH 140/20K	5 1/2	140	2 1/8	54	1,765	800	880	400	ball bearing	20	2 3/8	60
ALTH 150/20K	6	150	2	50	1,430	650	705	320	ball bearing	20	2 3/8	60
ALTH 152/20K *	6	150	2 1/8	54	1,985	900	990	450	ball bearing	20	2 3/8	60
ALTH 162/20K *	6 5/16	160	2	50	2,095	950	1,035	470	ball bearing	20	2 3/8	60
ALTH 200/20K	8	200	2	50	1,765	800	880	400	ball bearing	20	2 3/8	60
ALTH 200/20K-CO **	8	200	2	50	1,765	800	705	320	ball bearing	20	2 3/8	60
ALTH 202/20K *	8	200	2	50	2,205	1,000	1,100	500	ball bearing	20	2 3/8	60
ALTH 252/25K *	10	250	2 3/8	60	2,755	1,250	1,365	620	ball bearing	25	2 3/4	70

* Heavy duty wheel center, reinforced design, for stackers and forklift trucks

** With extremely crowned tread

Versions / options



Version with extremely crowned tread

Version with heavy duty wheel center, reinforced design

Antistatic version, non-marking gray

With welded steel center

Further dimensions

Product code suffix	-CO	-AS	SETH series	
Available for		See ALTH...-AS series (page 153)	Consult factory	Consult factory

GTH series

**Heavy-duty wheels
with Blickle Extrathane® polyurethane tread,
with cast iron wheel center**

990–5,290 lbs

RoHS

Tread and tire hardness

92 Shore A

Smooth operation / floor preservation

good

Rolling resistance

very good

Wear resistance

excellent



Tread:

- High-quality polyurethane elastomer Blickle Extrathane®, hardness 92 Shore A
- Low rolling resistance
- High abrasion resistance
- High cut and tear propagation resistance
- Color light brown, non-marking, non-staining
- Excellent chemical connection with the wheel center

Wheel center:

- Rugged gray cast iron, with grease nipple from wheel Ø 6", lacquered, color silver

Other features:

- High chemical resistance to many aggressive substances
- Operating temperature: -5 °F to +160 °F, temporarily up to +195 °F, reduced load capacity over +105 °F

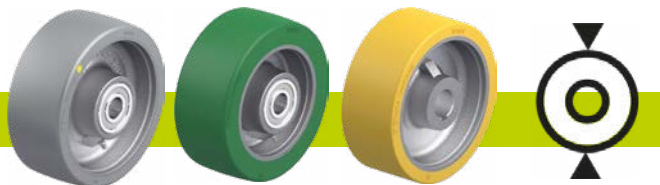
Additional details:

- Bearing types: page 21
- Chemical resistance: page 31

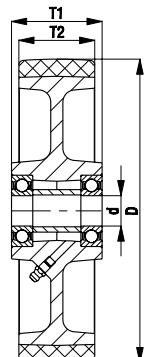
Wheels	Wheel Ø (D)		Wheel width (T2)		Load capacity at 2.5 mph		Load capacity at 6.2 mph		Bearing type	Axle bore Ø (d) [mm]	Hub length (T1)	
	[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]	[lbs]	[kg]			[inch]	[mm]
GTH 100/15K	4	100	1 9/16	40	990	450	–	–	ball bearing	15	1 9/16	40
GTH 101/20-50K *	4	100	2	50	1,320	600	–	–	ball bearing	20	2	50
GTH 125/15K	5	125	1 9/16	40	1,210	550	–	–	ball bearing	15	1 3/4	45
GTH 127/20K	5	125	2	50	1,545	700	770	350	ball bearing	20	2 3/8	60
GTH 150/20K	6	150	2	50	1,765	800	880	400	ball bearing	20	2 3/8	60
GTH 200/20K	8	200	2	50	2,205	1,000	1,100	500	ball bearing	20	2 3/8	60
GTH 202/25K	8	200	3 1/8	80	3,525	1,600	1,765	800	ball bearing	25	3 9/16	90
GTH 252/25K	10	250	3 1/8	80	3,970	1,800	1,985	900	ball bearing	25	3 9/16	90
GTH 302/30K	12	300	3 1/8	80	5,290	2,400	2,645	1,200	ball bearing	30	3 9/16	90

* Heavy design for stackers and forklift trucks

Versions / options



	Antistatic version, non-marking gray	Softer tread made of Blickle Softhane® 75 Shore A	Drive wheels with hub keyway	Further dimensions
Product code suffix	-AS	GST series	GTHN series	
Available for	Consult factory	See page 119	See page 117	Consult factory



GTH-US series with plain bore

**Heavy-duty wheels
with Blickle Extrathane® polyurethane tread,
with cast iron wheel center**



2,425–5,070 lbs

RoHS

Tread and tire hardness



92 Shore A

Smooth operation / floor preservation



good

Rolling resistance



very good

Wear resistance



excellent



Tread:

- High-quality polyurethane elastomer Blickle Extrathane®, hardness 92 Shore A
- Low rolling resistance
- High abrasion resistance
- High cut and tear propagation resistance
- Color light brown, non-marking, non-staining
- Excellent chemical connection with the wheel center

Wheel center:

- Rugged gray cast iron (ASTM grade), with grease nipple from wheel Ø 8", lacquered, color silver

Bearing type:

- With plain bore to accept a roller bearing, or to be machined for a precision ball bearing or tapered roller bearing

Other features:

- High chemical resistance to many aggressive substances
- Operating temperature: -20 °F to +160 °F, temporarily up to +195 °F
- At ambient temperatures above +105 °F the load capacity is reduced
- Maintenance-free under standard conditions

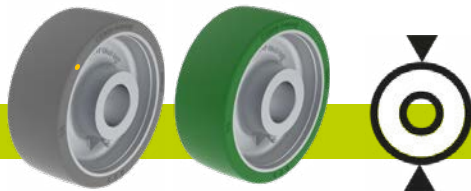
Wheels	Wheel Ø (D)		Wheel width (T2)		Load capacity at 2.5 mph		Bearing type	Axle bore Ø (d)	Hub length (T1)	
	[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]			[inch]	[mm]
GTH 6x3/1.94-3.25G	6	152	3	76	2,425	1,100	plain bore	49	3 1/4	82
GTH 8x3/1.94-3.25G	8	203	3	76	3,305	1,500	plain bore	49	3 1/4	82
GTH 10x3/1.94-3.25G	10	254	3	76	3,970	1,800	plain bore	49	3 1/4	82
GTH 12x3/1.94-3.25G	12	305	3	76	5,070	2,300	plain bore	49	3 1/4	82

Additional details:

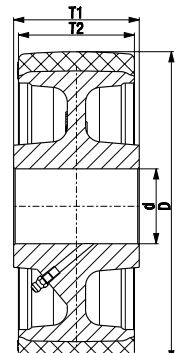
- Bearing types: page 21
- Chemical resistance: page 31

9

Versions / options



	Antistatic version, non-marking gray	Softer tread made of Blickle Softthane® 75 Shore A	Further Dimensions
Product code suffix	-AS	GST series	
Available for	Consult factory	Consult factory	Consult factory



GTH-US series with roller bearing

Heavy-duty wheels with Blickle Extrathane® polyurethane tread, with cast iron wheel center



2,425–3,970 lbs

RoHS

Tread and tire hardness

92 Shore A

Smooth operation / floor preservation

good

Rolling resistance

very good

Wear resistance

excellent



Tread:

- High-quality polyurethane elastomer Blickle Extrathane®, hardness 92 Shore A
- Low rolling resistance
- High abrasion resistance
- High cut and tear propagation resistance
- Color light brown, non-marking, non-staining
- Excellent chemical connection with the wheel center

Wheel center:

- Rugged gray cast iron (ASTM grade), with grease nipple from wheel Ø 8", lacquered, color silver

Bearing type:

- With roller bearing, includes roller bearing, retaining washers, spanner bushing and thrust washers

Other features:

- High chemical resistance to many aggressive substances
- Operating temperature: -15 °F to +160 °F, temporarily up to +195 °F
- At ambient temperatures above +105 °F the load capacity is reduced
- Load capacity: Test in accordance to DIN EN 12532 / ISO 22881 with reduced obstacle height
- Maintenance-free under standard conditions

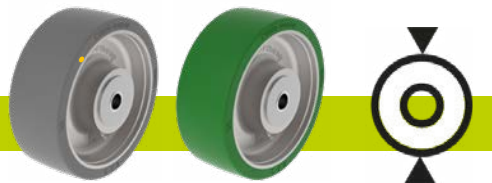
Additional details:

- Bearing types: page 21
- Chemical resistance: page 31

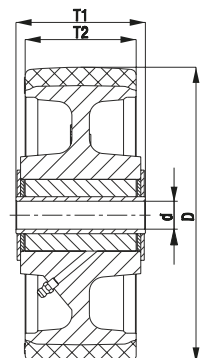
Wheels

	Wheel Ø (D)		Wheel width (T2)		Load capacity at 2.5 mph		Bearing type	Axle bore Ø (d) [mm]	Clamping length (T1)	
	[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]			[inch]	[mm]
US-GTH series for 3/4" axle										
GTH 6x3/1R-HU0.75	6	152	3	76	2,425	1,100	roller bearing	19	3 1/2	89
GTH 8x3/1R-HU0.75	8	203	3	76	2,975	1,350	roller bearing	19	3 1/2	89
GTH 10x3/1R-HU0.75	10	254	3	76	3,525	1,600	roller bearing	19	3 1/2	89
GTH 12x3/1R-HU0.75	12	305	3	76	3,970	1,800	roller bearing	19	3 1/2	89
US-GTH series for 1" axle										
GTH 6x3/1.25R-HU1	6	152	3	76	2,425	1,100	roller bearing	25	3 1/2	89
GTH 8x3/1.25R-HU1	8	203	3	76	2,975	1,350	roller bearing	25	3 1/2	89
GTH 10x3/1.25R-HU1	10	254	3	76	3,525	1,600	roller bearing	25	3 1/2	89
GTH 12x3/1.25R-HU1	12	305	3	76	3,970	1,800	roller bearing	25	3 1/2	89

Versions / options



	Antistatic version, non-marking gray	Softer tread made of Blickle Softthane® 75 Shore A	Further Dimensions
Product code suffix	-AS	GST series	
Available for	Consult factory	Consult factory	Consult factory



GTH-US series with pedestal ball bearings

Heavy-duty wheels with Blickle Extrathane® polyurethane tread, with cast iron wheel center



2,425–3,970 lbs

RoHS

Tread and tire hardness
 92 Shore A

Smooth operation / floor preservation
 good

Rolling resistance
 very good

Wear resistance
 excellent



- Tread:**
- High-quality polyurethane elastomer Blickle Extrathane®, hardness 92 Shore A
 - Low rolling resistance
 - High abrasion resistance
 - High cut and tear propagation resistance
 - Color light brown, non-marking, non-staining
 - Excellent chemical connection with the wheel center

- Wheel center:**
- Rugged gray cast iron (ASTM grade), with grease nipple from wheel Ø 8", lacquered, color silver

- Bearing type:**
- With pedestal ball bearing, includes sealed flanged ball bearings with extended inner race (no top hat spacers required)

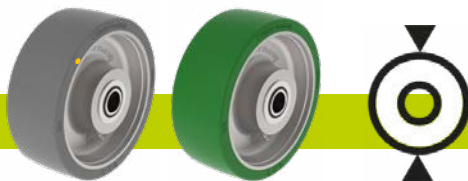
- Other features:**
- High chemical resistance to many aggressive substances
 - Operating temperature: -5 °F to +160 °F, temporarily up to +195 °F
 - At ambient temperatures above +105 °F the load capacity is reduced
 - Maintenance-free under standard conditions

- Additional details:**
- Bearing types: page 21
 - Chemical resistance: page 31

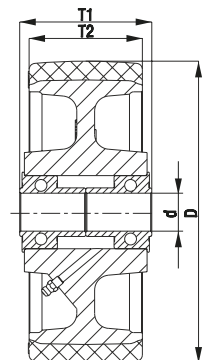
Wheels	Wheel Ø (D)		Wheel width (T2)		Load capacity		Bearing type	Axle bore Ø (d) [mm]	Clamping length (T1)	
	[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]			[inch]	[mm]
US-GTH series for 3/4" axle										
GTH 6x3/0.75KP-2RS	6	152	3	76	2,425	1,100	pedest. ball bearing	19	3 1/2	89
GTH 8x3/0.75KP-2RS	8	203	3	76	2,975	1,350	pedest. ball bearing	19	3 1/2	89
GTH 10x3/0.75KP-2RS	10	254	3	76	3,525	1,600	pedest. ball bearing	19	3 1/2	89
GTH 12x3/0.75KP-2RS	12	305	3	76	3,970	1,800	pedest. ball bearing	19	3 1/2	89
US-GTH series for 1" axle										
GTH 6x3/1KP-2RS	6	152	3	76	2,425	1,100	pedest. ball bearing	25	3 1/2	89
GTH 8x3/1KP-2RS	8	203	3	76	2,975	1,350	pedest. ball bearing	25	3 1/2	89
GTH 10x3/1KP-2RS	10	254	3	76	3,525	1,600	pedest. ball bearing	25	3 1/2	89
GTH 12x3/1KP-2RS	12	305	3	76	3,970	1,800	pedest. ball bearing	25	3 1/2	89

9

Versions / options



	Antistatic version, non-marking gray	Softer tread made of Blickle Softthane® 75 Shore A	Further dimensions
Product code suffix	-AS	GST series	
Available for	Consult factory	Consult factory	Consult factory



GTH-US series with precision ball bearings

Heavy-duty wheels with Blickle Extrathane® polyurethane tread, with cast iron wheel center



2,425–4,410 lbs

✓RoHS

Tread and tire hardness

92 Shore A

Smooth operation / floor preservation

good

Rolling resistance

very good

Wear resistance

excellent



Tread:

- High-quality polyurethane elastomer Blickle Extrathane®, hardness 92 Shore A
- Low rolling resistance
- High abrasion resistance
- High cut and tear propagation resistance
- Color light brown, non-marking, non-staining
- Excellent chemical connection with the wheel center

Wheel center:

- Rugged gray cast iron (ASTM grade), with grease nipple from wheel Ø 8", lacquered, color silver

Bearing type:

- With precision ball bearing, includes sealed flanged ball bearings with extended inner race (no top hat spacers required)

Other features:

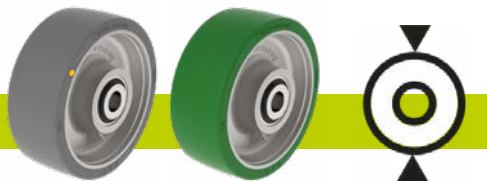
- High chemical resistance to many aggressive substances
- Operating temperature: -5 °F to +160 °F, temporarily up to +195 °F.
- At ambient temperatures above +105 °F the load capacity is reduced
- Maintenance-free under standard conditions

Additional details:

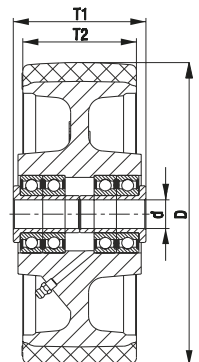
- Bearing types: page 21
- Chemical resistance: page 31

Wheels	Wheel Ø (D)		Wheel width (T2)		Load capacity		Bearing type	Axle bore Ø (d)	Clamping length (T1)	
	[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]			[inch]	[mm]
US-GTH series for 3/4" axle										
GTH 6x3/0.98K-2RS-BB0.75	6	152	3	76	2,425	1,100	precis. ball bearing	19	3 1/2	89
GTH 8x3/0.98K-2RS-BB0.75	8	203	3	76	3,305	1,500	precis. ball bearing	19	3 1/2	89
GTH 10x3/0.98K-2RS-BB0.75	10	254	3	76	3,750	1,700	precis. ball bearing	19	3 1/2	89
GTH 12x3/0.98K-2RS-BB0.75	12	305	3	76	4,410	2,000	precis. ball bearing	19	3 1/2	89
US-GTH series for 1" axle										
GTH 6x3/1.38K-2RS-BB1	6	152	3	76	2,425	1,100	precis. ball bearing	25	3 1/2	89
GTH 8x3/1.38K-2RS-BB1	8	203	3	76	3,305	1,500	precis. ball bearing	25	3 1/2	89
GTH 10x3/1.38K-2RS-BB1	10	254	3	76	3,750	1,700	precis. ball bearing	25	3 1/2	89
GTH 12x3/1.38K-2RS-BB1	12	305	3	76	4,410	2,000	precis. ball bearing	25	3 1/2	89

Versions / options



	Antistatic version, non-marking gray	Softer tread made of Blickle Softthane® 75 Shore A	Further dimensions
Product code suffix	-AS	GST series	
Available for	Consult factory	Consult factory	Consult factory



GTH-US series with tapered roller bearings

Heavy-duty wheels with Blickle Extrathane® polyurethane tread, with cast iron wheel center



2,425–5,070 lbs

RoHS

Tread and tire hardness

92 Shore A

Smooth operation / floor preservation

good

Rolling resistance

very good

Wear resistance

excellent



- Tread:**
- High-quality polyurethane elastomer Blickle Extrathane®, hardness 92 Shore A
 - Low rolling resistance
 - High abrasion resistance
 - High cut and tear propagation resistance
 - Color light brown, non-marking, non-staining
 - Excellent chemical connection with the wheel center

- Wheel center:**
- Rugged gray cast iron (ASTM grade), with grease nipple from wheel Ø 8", lacquered, color silver

- Bearing type:**
- With tapered roller bearing, includes precision tapered roller bearings, thrust washers, retaining seals and pre-load spacers

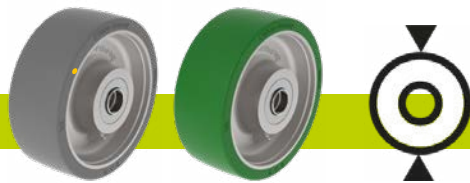
- Other features:**
- High chemical resistance to many aggressive substances
 - Operating temperature: -5 °F to +160 °F, temporarily up to +195 °F
 - At ambient temperatures above +105 °F the load capacity is reduced
 - Maintenance-free under standard conditions

Wheels	Wheel Ø (D)		Wheel width (T2)		Load capacity		Bearing type	Axle bore Ø (d)		Clamping length (T1)	
	[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]		[mm]	[inch]	[mm]	
US-GTH series for 3/4" axle											
GTH 6x3/0.75KRD-HU	6	152	3	76	2,425	1,100	tapered roller bearing	19	3 1/2	89	
GTH 8x3/0.75KRD-HU	8	203	3	76	3,305	1,500	tapered roller bearing	19	3 1/2	89	
GTH 10x3/0.75KRD-HU	10	254	3	76	3,970	1,800	tapered roller bearing	19	3 1/2	89	
GTH 12x3/0.75KRD-HU	12	305	3	76	5,070	2,300	tapered roller bearing	19	3 1/2	89	
US-GTH series for 1" axle											
GTH 6x3/1KRD-HU	6	152	3	76	2,425	1,100	tapered roller bearing	25	3 1/2	89	
GTH 8x3/1KRD-HU	8	203	3	76	3,305	1,500	tapered roller bearing	25	3 1/2	89	
GTH 10x3/1KRD-HU	10	254	3	76	3,970	1,800	tapered roller bearing	25	3 1/2	89	
GTH 12x3/1KRD-HU	12	305	3	76	5,070	2,300	tapered roller bearing	25	3 1/2	89	
US-GTH series for 1 1/4" axle											
GTH 6x3/1.25KRD-HU	6	152	3	76	2,425	1,100	tapered roller bearing	32	3 1/2	89	
GTH 8x3/1.25KRD-HU	8	203	3	76	3,305	1,500	tapered roller bearing	32	3 1/2	89	
GTH 10x3/1.25KRD-HU	10	254	3	76	3,970	1,800	tapered roller bearing	32	3 1/2	89	
GTH 12x3/1.25KRD-HU	12	305	3	76	5,070	2,300	tapered roller bearing	32	3 1/2	89	

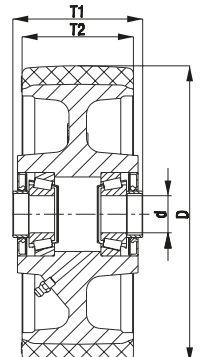
9

- Additional details:**
- Bearing types: page 21
 - Chemical resistance: page 31

Versions / Options



	Antistatic version, non-marking gray	Softer tread made of Blickle Softthane® 75 Shore A	Further dimensions
Product code suffix	-AS	GST series	
Available for	Consult factory	Consult factory	Consult factory



GTHN series

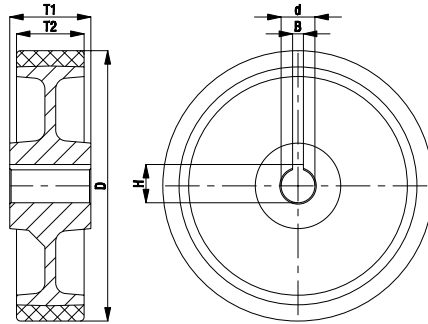
Heavy-duty drive wheels with hub keyway with Blickle Extrathane® polyurethane tread, with cast iron wheel center



660–5,070 lbs

✓RoHS

Tread and tire hardness	92 Shore A
Smooth operation / floor preservation	good
Rolling resistance	very good
Wear resistance	excellent



- Tire:**
- High-quality polyurethane elastomer Blickle Extrathane®, hardness 92 Shore A
 - Low rolling resistance
 - High abrasion resistance
 - High cut and tear propagation resistance
 - Color light brown, non-marking, non-staining
 - Excellent chemical connection with the wheel center

- Wheel center:**
- Rugged gray cast iron
 - Axle bore and hub keyway in accordance with DIN 6885
 - Lacquered, color silver

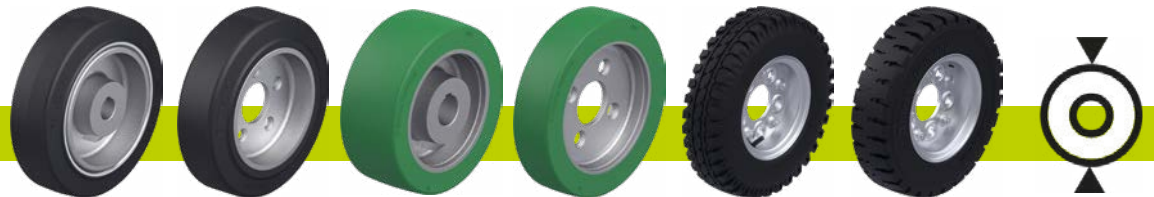
- Other features:**
- High chemical resistance to many aggressive substances
 - Operating temperature: -20 °F to +160 °F, temporarily up to +195 °F, reduced load capacity over +105 °F

- Additional details:**
- Bearing types: page 21
 - Chemical resistance: page 31

Wheels	Wheel Ø (D)		Wheel width (T2)		Load capacity at 2.5 mph		Load capacity at 6.2 mph		Axle bore Ø (d)	Hub groove length (B)	Hub groove height (H)	Hub length (T1)	
	[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]	[lbs]	[kg]	[mm]	[mm]	[mm]	[inch]	[mm]
GTHN 75/20H7	3	75	1 9/16	40	660	300	–	–	20 H7	6 JS9	22.8	1 9/16	40
GTHN 100/20H7	4	100	1 9/16	40	880	400	–	–	20 H7	6 JS9	22.8	1 9/16	40
GTHN 100/25H7	4	100	1 9/16	40	880	400	–	–	25 H7	8 JS9	28.3	1 9/16	40
GTHN 127/25H7	5	125	2	50	1,430	650	705	320	25 H7	8 JS9	28.3	2 3/8	60
GTHN 127/30H7	5	125	2	50	1,430	650	705	320	30 H7	8 JS9	33.3	2 3/8	60
GTHN 140/30H7	5 1/2	140	2	50	1,475	670	730	330	30 H7	8 JS9	33.3	2 3/8	60
GTHN 150/30H7	6	150	2	50	1,545	700	770	350	30 H7	8 JS9	33.3	2 3/8	60
GTHN 160/30H7	6 5/16	160	2	50	1,545	700	770	350	30 H7	8 JS9	33.3	2 3/8	60
GTHN 200/25H7	8	200	2	50	1,985	900	990	450	25 H7	8 JS9	28.3	2 3/8	60
GTHN 200/30H7	8	200	2	50	1,985	900	900	450	30 H7	8 JS9	33.3	2 3/8	60
GTHN 202/35H7	8	200	3 1/8	80	3,085	1,400	1,545	700	35 H7	10 JS9	38.3	3 1/8	80
GTHN 202/40H7	8	200	3 1/8	80	3,085	1,400	1,545	700	40 H7	12 JS9	43.3	3 1/8	80
GTHN 251/30H7	10	250	2	50	2,425	1,100	1,215	550	30 H7	8 JS9	33.3	2 3/8	60
GTHN 251/40H7	10	250	2	50	2,425	1,100	1,215	550	40 H7	12 JS9	43.3	2 3/8	60
GTHN 252/40H7	10	250	3 1/8	80	3,970	1,800	1,985	900	40 H7	12 JS9	43.3	3 1/8	80
GTHN 252/50H7	10	250	3 1/8	80	3,970	1,800	1,985	900	50 H7	14 JS9	53.8	3 1/8	80
GTHN 253/50H7	10	250	4	100	5,070	2,300	2,535	1,150	50 H7	14 JS9	53.8	4	100

Consult factory for alternative keyway sizes and set screws for wheel diameters up to 40" and weight capacity of 110,000 lbs.

Versions / Options



	Wheel with hub keyway and elastic solid rubber tire	Hub fitting wheel with elastic solid rubber tire	Wheel with hub keyway and softer tread, 75 Shore A	Hub fitting wheel with softer tread, 75 Shore A	Hub fitting wheel with pneumatic tire	Hub fitting wheel with super-elastic solid rubber tire	Further dimensions
Product code suffix	GEVN series	GEVA series	GSTN series	GSTA series	PA series	VLEA series	
Available for	Consult factory	Consult factory	Consult factory	Consult factory	Consult factory	Consult factory	Consult factory

GTH-US series with plain bore and hub keyway

Heavy-duty drive wheels with hub keyway with **Blickle Extrathane®** polyurethane tread, with cast iron wheel center



2,205–4,520 lbs

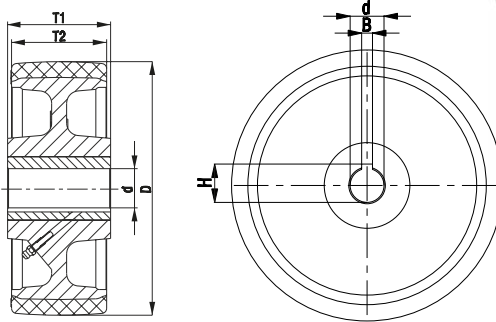
✓RoHS

Tread and tire hardness
 92 Shore A

Smooth operation / floor preservation
 good

Rolling resistance
 very good

Wear resistance
 excellent



- Tread:**
- High-quality polyurethane elastomer Blickle Extrathane®, hardness 92 Shore A
 - Low rolling resistance
 - High abrasion resistance
 - High cut and tear propagation resistance
 - Color light brown, non-marking, non-staining
 - Excellent chemical connection with the wheel center

- Wheel center:**
- Rugged gray cast iron (ASTM grade), with grease nipple from wheel Ø 8", lacquered, color silver

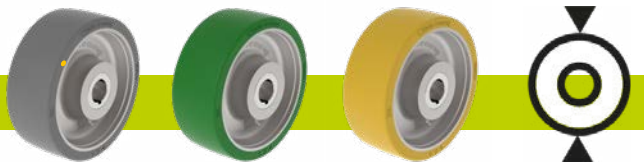
- Bearing type:**
- With plain bore and square parallel keyway

- Other features:**
- High chemical resistance to many aggressive substances.
 - Operating temperature: -20 °F to +160 °F, temporarily up to +195 °F.
 - At ambient temperatures above +105 °F the load capacity is reduced
 - Maintenance-free under standard conditions.

- Additional details:**
- Bearing types: page 21
 - Chemical resistance: page 31

Wheels	Wheel Ø (D)		Wheel width (T2)		Load capacity		Axle bore Ø (d)	Hub groove length (B)		Hub groove height (H)		Hub length (T1)		For shaft size	
	[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]	[mm]	[inch]	[mm]	[inch]	[mm]	[inch]	[mm]	[inch]	[mm]
Wheel size 6" x 3"															
GTHN 6x3/0.5-KW125	6	152	3	76	2,205	1,000	13	1/8	3	0.551	14	3 1/4	82	1/2	13
GTHN 6x3/0.75-KW188	6	152	3	76	2,205	1,000	19	3/16	5	0.827	21	3 1/4	82	3/4	19
GTHN 6x3/1-KW250	6	152	3	76	2,205	1,000	25	1/4	6	1.102	28	3 1/4	82	1	25
GTHN 6x3/1.25-KW250	6	152	3	76	2,205	1,000	32	1/4	6	1.378	35	3 1/4	82	1 1/4	32
GTHN 6x3/1.5-KW313	6	152	3	76	2,205	1,000	38	5/16	8	1.654	42	3 1/4	82	1 1/2	38
GTHN 6x3/1.75-KW375	6	152	3	76	2,250	1,000	45	3/8	10	1.929	49	3 1/4	82	1 3/4	45
Wheel size 8" x 3"															
GTHN 8x3/0.5-KW125	8	203	3	76	2,975	1,350	13	1/8	3	0.551	14	3 1/4	82	1/2	13
GTHN 8x3/0.75-KW188	8	203	3	76	2,975	1,350	19	3/16	5	0.827	21	3 1/4	82	3/4	19
GTHN 8x3/1-KW250	8	203	3	76	2,975	1,350	25	1/4	6	1.102	28	3 1/4	82	1	25
GTHN 8x3/1.25-KW250	8	203	3	76	2,975	1,350	32	1/4	6	1.378	35	3 1/4	82	1 1/4	32
GTHN 8x3/1.5-KW313	8	203	3	76	2,975	1,350	38	5/16	8	1.654	42	3 1/4	82	1 1/2	38
GTHN 8x3/1.75-KW375	8	203	3	76	2,975	1,350	45	3/8	10	1.929	49	3 1/4	82	1 3/4	45
Wheel size 10" x 3"															
GTHN 10x3/0.5-KW125	10	254	3	76	3,527	1,600	13	1/8	3	0.551	14	3 1/4	82	1/2	13
GTHN 10x3/0.75-KW188	10	254	3	76	3,527	1,600	19	3/16	5	0.827	21	3 1/4	82	3/4	19
GTHN 10x3/1-KW250	10	254	3	76	3,527	1,600	25	1/4	6	1.102	28	3 1/4	82	1	25
GTHN 10x3/1.25-KW250	10	254	3	76	3,527	1,600	32	1/4	6	1.378	35	3 1/4	82	1 1/4	32
GTHN 10x3/1.5-KW313	10	254	3	76	3,527	1,600	38	5/16	8	1.654	42	3 1/4	82	1 1/2	38
GTHN 10x3/1.75-KW375	10	254	3	76	3,527	1,600	45	3/8	10	1.929	49	3 1/4	82	1 3/4	45
Wheel size 12" x 3"															
GTHN 12x3/0.5-KW125	12	305	3	76	4,520	2,050	13	1/8	3	0.551	14	3 1/4	82	1/2	13
GTHN 12x3/0.75-KW188	12	305	3	76	4,520	2,050	19	3/16	5	0.827	21	3 1/4	82	3/4	19
GTHN 12x3/1-KW250	12	305	3	76	4,520	2,050	25	1/4	6	1.102	28	3 1/4	82	1	25
GTHN 12x3/1.25-KW250	12	305	3	76	4,520	2,050	32	1/4	6	1.378	35	3 1/4	82	1 1/4	32
GTHN 12x3/1.5-KW313	12	305	3	76	4,520	2,050	38	5/16	8	1.654	42	3 1/4	82	1 1/2	38
GTHN 12x3/1.75-KW375	12	305	3	76	4,520	2,050	45	3/8	10	1.929	49	3 1/4	82	1 3/4	45

Versions / options



	Antistatic version, non-marking gray	Softer tread made of Blickle Softthane® 75 Shore A	Set screw option 3" wheel width	Further dimensions
Product code suffix	-AS	GST series	-SC1	
Available for	Consult factory	Consult factory	Consult factory	Consult factory

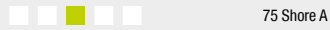
ALST, GST series

Heavy-duty wheels with Blickle Softhane® polyurethane tread, with aluminum or cast iron wheel center

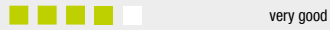
510–3,085 lbs

✓RoHS

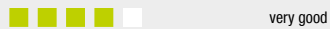
Tread and tire hardness



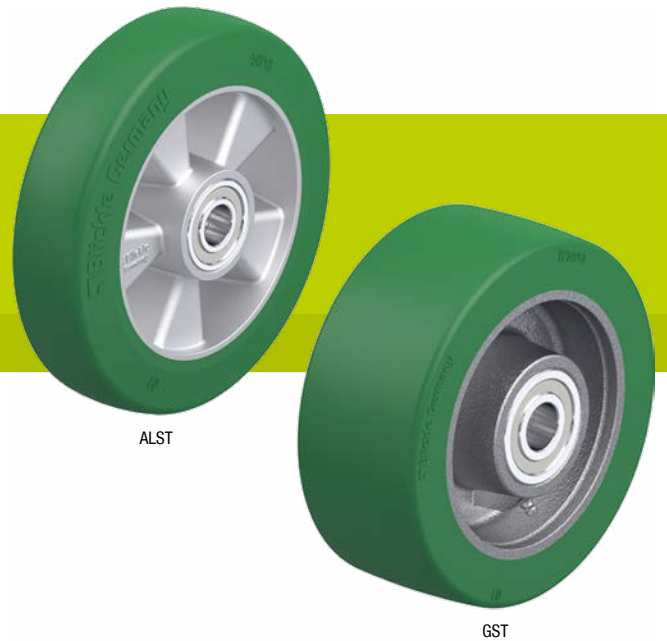
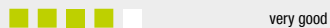
Smooth operation / floor preservation



Rolling resistance



Wear resistance



Tread:

- High-quality polyurethane elastomer Blickle Softhane®, hardness 75 Shore A
- Extra-thick elastic tread for excellent operational comfort
- Very good floor preservation, low-noise operation
- Low rolling resistance
- High abrasion resistance
- High cut and tear propagation resistance
- Color green, non-marking, non-staining
- Excellent chemical connection with the wheel center

Wheel center:

- ALST series: die-cast aluminum
- GST series: rugged gray cast iron, with grease nipple from wheel Ø 8", lacquered, color silver

Other features:

- High chemical resistance to many aggressive substances
- Operating temperature: -5 °F to +160 °F, temporarily up to +195 °F, reduced load capacity over +105 °F

Additional details:

- Bearing types: page 21
- Chemical resistance: page 31

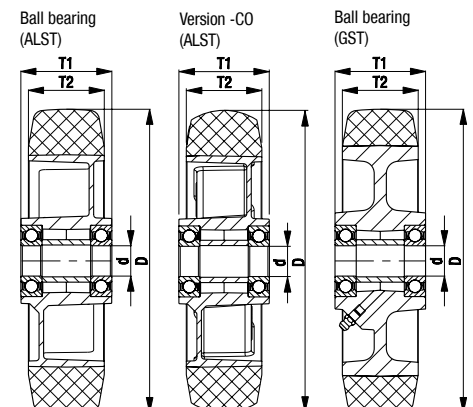
Wheels	Wheel Ø (D)		Wheel width (T2)		Load capacity at 2.5 mph		Load capacity at 6.2 mph		Bearing type	Axle bore Ø (d) [mm]	Hub length (T1)	
	[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]	[lbs]	[kg]			[inch]	[mm]
ALST series												
ALST 82/15K	3 1/8	80	1 9/16	40	510	230	–	–	ball bearing	15	1 9/16	40
ALST 100/15K	4	100	1 9/16	40	705	320	–	–	ball bearing	15	1 9/16	40
ALST 125/15K	5	125	1 9/16	40	815	370	–	–	ball bearing	15	1 3/4	45
ALST 127/20K	5	125	2 1/8	54	990	450	395	180	ball bearing	20	2 3/8	60
ALST 150/20K	6	150	2	50	1,100	500	440	200	ball bearing	20	2 3/8	60
ALST 150/20K-CO *	6	150	2	50	1,100	500	440	200	ball bearing	20	2 3/8	60
ALST 160/20K	6 9/16	160	2	50	1,280	580	505	230	ball bearing	20	2 3/8	60
ALST 160/20K-CO *	6 9/16	160	2	50	1,280	580	505	230	ball bearing	20	2 3/8	60
ALST 200/20K	8	200	2	50	1,650	750	660	300	ball bearing	20	2 3/8	60
ALST 200/20K-CO *	8	200	2	50	1,650	750	660	300	ball bearing	20	2 3/8	60
GST series												
GST 127/20K	5	125	2	50	990	450	395	180	ball bearing	20	2 3/8	60
GST 150/20K	6	150	2	50	1,250	570	485	220	ball bearing	20	2 3/8	60
GST 200/20K	8	200	2	50	1,765	800	705	320	ball bearing	20	2 3/8	60
GST 202/25K	8	200	3 1/8	80	2,645	1,200	1,060	480	ball bearing	25	3 9/16	90
GST 252/25K	10	250	3 1/8	80	3,085	1,400	1,235	560	ball bearing	25	3 9/16	90

* With extremely crowned tread

Versions / options

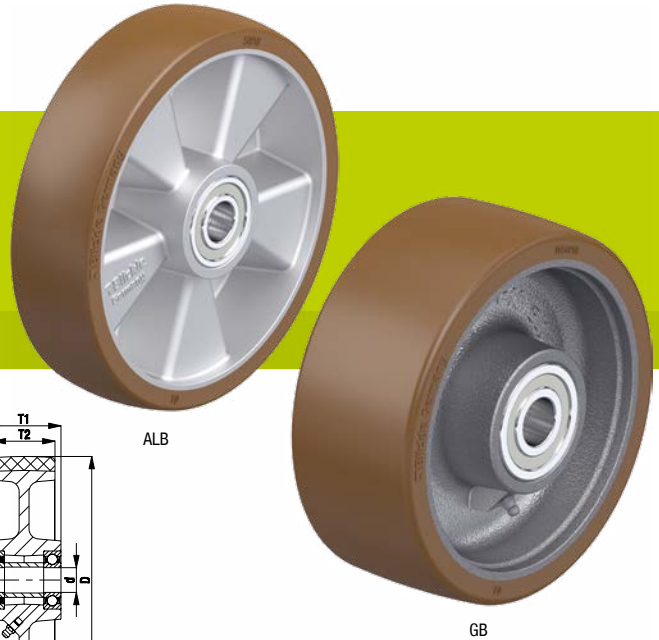


	Version with extremely crowned tread	Antistatic version, non-marking dark gray	Drive wheels with hub keyway	With tapered roller bearing
Product code suffix	-CO	-AS	GSTN series	
Available for		See ALST...-AS series (page 154)	Consult factory	GST series Consult factory



ALB, GB series

Heavy-duty wheels
with **Blickle Besthane® polyurethane tread**,
with **aluminum or cast iron wheel center**



880–3,970 lbs

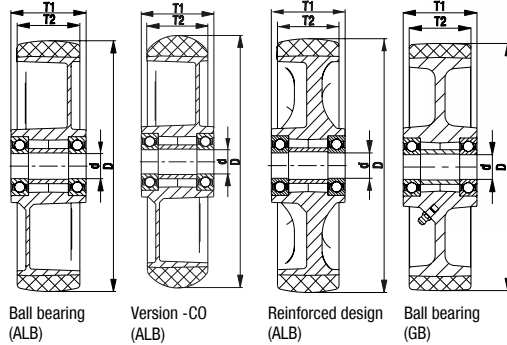
RoHS

Tread and tire hardness
 92 Shore A

Smooth operation / floor preservation
 good

Rolling resistance
 excellent

Wear resistance
 excellent



- Tread:**
- High-quality polyurethane elastomer Blickle Besthane®, hardness 92 Shore A
 - Very low rolling resistance
 - **High dynamic load capacity**
 - High abrasion resistance
 - High cut and tear propagation resistance
 - Color brown, non-marking, non-staining
 - Excellent chemical connection with the wheel center

- Wheel center:**
- ALB series: die-cast aluminum
 - GB series: rugged gray cast iron, with grease nipple from wheel Ø 6", lacquered, color silver

- Other features:**
- High chemical resistance to many aggressive substances
 - Operating temperature: -5 °F to +160 °F, temporarily up to +195 °F, reduced load capacity over +105 °F

- Additional details:**
- Bearing types: page 21
 - Chemical resistance: page 31

Wheels	Wheel Ø (D)		Wheel width (T2)		Load capacity at 2.5 mph		Load capacity at 6.2 mph *		Load capacity at 10 mph *		Bearing type	Axle bore Ø (d) [mm]	Hub length (T1)	
	[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]	[lbs]	[kg]	[lbs]	[kg]			[inch]	[mm]
ALB series														
ALB 101/15K**	4	100	1 9/16	40	880	400	—	—	—	—	ball bearing	15	1 9/16	40
ALB 125/15K	5	125	1 9/16	40	1,210	550	—	—	—	—	ball bearing	15	1 3/4	45
ALB 150/20K	6	150	2	50	1,430	650	705	320	530	240	ball bearing	20	2 3/8	60
ALB 152/20K**	6	150	2 1/8	54	1,985	900	990	450	680	310	ball bearing	20	2 3/8	60
ALB 160/20K	6 5/16	160	2	50	1,650	750	815	370	615	280	ball bearing	20	2 3/8	60
ALB 162/20K**	6 5/16	160	2	50	2,095	950	1,035	470	730	330	ball bearing	20	2 3/8	60
ALB 200/20K	8	200	2	50	1,765	800	880	400	660	300	ball bearing	20	2 3/8	60
ALB 202/20K**	8	200	2	50	2,205	1,000	1,100	500	770	350	ball bearing	20	2 3/8	60
ALB 203x50/20K	8	203	2	50	1,765	800	990	450	770	350	ball bearing	20	2 3/8	60
ALB 203x50/20K-CO***	8	203	2	50	1,765	800	990	450	770	350	ball bearing	20	2 3/8	60
ALB 250/25K	10	250	2 3/8	60	2,205	1,000	1,100	500	770	350	ball bearing	25	2 3/4	70
ALB 252/25K**	10	250	2 3/8	60	2,755	1,250	1,365	620	950	430	ball bearing	25	2 3/4	70
GB series														
GB 100/15K	4	100	1 9/16	40	990	450	—	—	—	—	ball bearing	15	1 9/16	40
GB 101/20-50K****	4	100	2	50	1,320	600	—	—	—	—	ball bearing	20	2	50
GB 128/20K****	5	125	2 3/8	60	1,875	850	1,300	590	750	340	ball bearing	20	2 3/8	60
GB 140/20K****	5 1/2	140	2 1/8	54	1,985	900	1,390	630	795	360	ball bearing	20	2 3/8	60
GB 150/20K	6	150	2	50	1,765	800	1,235	560	705	320	ball bearing	20	2 3/8	60
GB 200/20K	8	200	2	50	2,205	1,000	1,545	700	880	400	ball bearing	20	2 3/8	60
GB 202/25K	8	200	3 1/8	80	3,525	1,600	2,425	1,100	1,410	640	ball bearing	25	3 3/16	90
GB 252/25K	10	250	3 1/8	80	3,970	1,800	2,755	1,250	1,585	720	ball bearing	25	3 3/16	90

* Considerably higher load capacities are possible for applications without obstacles on smooth and even floors
 ** With heavy-duty wheel center, reinforced design
 *** With extremely crowned tread
 **** Heavy-duty wheel center for stackers and forklift trucks

Versions / options



	Version with heavy-duty wheel center, reinforced design	Version with extremely crowned tread	Electrostatic discharge version, non-marking gray	Hydrolysis resistant, with cast nylon wheel center	With tapered roller bearing	Further dimensions
Product code suffix		-CO	-ESD	GSP0B series		
Available for			See ALB...-ESD series (page 155)	Consult factory	GB series Consult factory	Consult factory

ALBS, POBS series

Heavy-duty wheels with Blickle Besthane® Soft polyurethane tread, with aluminum / nylon wheel center

440–1,650 lbs

RoHS

Tread and tire hardness

75 Shore A

Smooth operation / floor preservation

very good

Rolling resistance

excellent

Wear resistance

very good



ALBS



POBS



Tread:

- High-quality polyurethane elastomer Blickle Besthane® Soft, hardness 75 Shore A
- Extra-thick elastic tread for excellent operational comfort
- Very good floor preservation, low-noise operation
- Very low rolling resistance
- **High dynamic load capacity**
- High abrasion resistance
- High cut and tear propagation resistance
- Color blue, non-marking, non-staining
- Excellent chemical connection with the wheel center

Wheel center:

- ALBS series: die-cast aluminum
- POBS series: high-quality nylon 6, impact resistant, color black

Other features:

- High chemical resistance to many aggressive substances

ALBS series:

- Operating temperature: -5 °F to +160 °F, temporarily up to +195 °F, reduced load capacity over +105 °F

POBS series:

- Operating temperature: -5 °F to +160 °F, temporarily up to +195 °F, reduced load capacity over +95 °F
- XKA version: with synthetic thread guard, small
- Corrosion and hydrolysis-resistant

Wheels	Wheel Ø (D)		Wheel width (T2)		Load capacity at 2.5 mph		Load capacity at 6.2 mph		Load capacity at 10 mph		Bearing type	Axle bore Ø (d) [mm]	Hub length (T1)	
	[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]	[lbs]	[kg]	[lbs]	[kg]			[inch]	[mm]
ALBS series														
ALBS 82/15K	3 1/8	80	1 9/16	40	505	230	–	–	–	–	ball bearing	15	1 9/16	40
ALBS 100/15K	4	100	1 9/16	40	705	320	–	–	–	–	ball bearing	15	1 9/16	40
ALBS 125/15K	5	125	1 9/16	40	815	370	–	–	–	–	ball bearing	15	1 3/4	45
ALBS 127/20K	5	125	2 1/8	54	990	450	485	220	395	180	ball bearing	20	2 3/8	60
ALBS 150/20K	6	150	2	50	1,100	500	550	250	440	200	ball bearing	20	2 3/8	60
ALBS 150/20K-CO *	6	150	2	50	1,100	500	440	200	355	160	ball bearing	20	2 3/8	60
ALBS 160/20K	6 5/16	160	2	50	1,280	580	595	270	485	220	ball bearing	20	2 3/8	60
ALBS 160/20K-CO *	6 5/16	160	2	50	1,280	580	485	220	375	170	ball bearing	20	2 3/8	60
ALBS 200/20K	8	200	2	50	1,650	750	815	370	660	300	ball bearing	20	2 3/8	60
ALBS 200/20K-CO *	8	200	2	50	1,320	600	660	300	530	240	ball bearing	20	2 3/8	60
POBS series (corrosion-resistant and hydrolysis resistant)														
POBS 100/8XKA	4	100	1 1/2	38	440	200	–	–	–	–	ball bearing (C)	8	1 13/16	46
POBS 100/10XKA	4	100	1 1/2	38	440	200	–	–	–	–	ball bearing (C)	10	1 13/16	46
POBS 125/8XKA	5	125	1 9/16	40	550	250	–	–	–	–	ball bearing (C)	8	1 13/16	46
POBS 125/10XKA	5	125	1 9/16	40	550	250	–	–	–	–	ball bearing (C)	10	1 13/16	46
POBS 160/12XKA	6 5/16	160	2	50	880	400	–	–	–	–	ball bearing (CC)	12	2 3/8	60
POBS 200/12XKA	8	200	2	50	1,100	500	–	–	–	–	ball bearing (CC)	12	2 3/8	60

* With extremely crowned tread

Additional details:

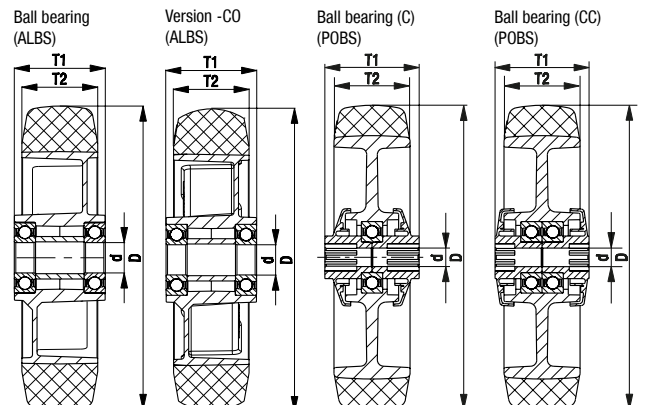
- Bearing types: page 21
- Chemical resistance: page 31



Version with extremely crowned tread With cast iron wheel center With additional ball bearing seal

Versions / options

Product code suffix	-CO	GBS series	-XKAD
Available for		Consult factory	POBS series Consult factory



VLE series

**Heavy-duty wheels
with super-elastic solid rubber tires,
with pressed steel rim**



Ribbed profile

Sawtooth profile

990–4,155 lbs

RoHS

Tread and tire hardness

70 Shore A

Smooth operation / floor preservation

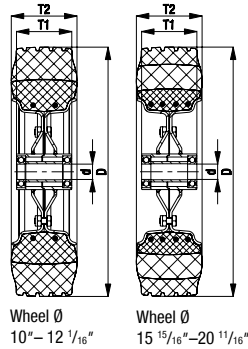
very good

Rolling resistance

good

Wear resistance

good



Tire:

- Super-elastic solid rubber, steel-wire reinforced, hardness 70 Shore A
- Very good operational comfort
- Very good floor preservation, low-noise operation
- Color black
- Wheel Ø 10"– 12 1/16": 2-component tire, highly-elastic, abrasion-resistant tread
- Wheel Ø 15 15/16"–20 11/16": 3-component tire, highly-elastic cushion layer, abrasion-resistant tread

Rim:

- Heavy pressed steel
- Bolted, with welded tubular steel hub or reinforced rim version
- Zinc-plated, blue-passivated, Cr6-free

Other features:

- Chemical resistance to many aggressive substances, except oils
- Operating temperature: -5 °F to +175 °F, temporarily up to +210 °F, reduced load capacity over +140 °F
- Puncture-proof, maintenance-free

Additional details:

- Bearing types: page 21
- Chemical resistance: page 31

Wheels	Wheel Ø (D)		Tire width * (T2)		Tire dimension	Rim dimension	Load capacity at 3.5 mph		Load capacity at 15 mph		Bearing type	Axle bore Ø (d) [mm]	Hub length (T1)		Profile type
	[inch]	[mm]	[inch]	[mm]			[lbs]	[kg]	[lbs]	[kg]			[inch]	[mm]	
Wheels with ribbed profile															
VLE 250/20-75K	10	250	3 3/8	85	3.00-4	2.50C-4	990	450	880	400	ball bearing	20	3	75	R50
VLE 250/25-75K	10	250	3 3/8	85	3.00-4	2.50C-4	990	450	880	400	ball bearing	25	3	75	R50
VLE 252/25-75K **	10	250	3 3/8	85	3.00-4	2.50C-4	1,320	600	1,045	475	ball bearing	25	3	75	R50
VLE 305/20-75K	12 1/16	306	4 1/8	105	4.00-4	2.50C-4	990	450	880	400	ball bearing	20	3	75	R50
VLE 305/25-75K	12 1/16	306	4 1/8	105	4.00-4	2.50C-4	990	450	880	400	ball bearing	25	3	75	R50
VLE 307/25-75K **	12 1/16	306	4 1/8	105	4.00-4	2.50C-4	1,545	700	1,180	535	ball bearing	25	3	75	R50
VLE 405/25-90K	15 15/16	405	4 1/8	105	4.00-8	3.00D-8	2,095	950	1,610	730	ball bearing	25	3 9/16	90	R50
VLE 405/30-90K	15 15/16	405	4 1/8	105	4.00-8	3.00D-8	2,095	950	1,610	730	ball bearing	30	3 9/16	90	R50
Wheels with sawtooth profile															
VLE 255/20-75K	10	250	3 3/8	85	3.00-4	2.50C-4	990	450	880	400	ball bearing	20	3	75	B51
VLE 250/25-75K	10	250	3 3/8	85	3.00-4	2.50C-4	990	450	880	400	ball bearing	25	3	75	B51
VLE 257/25-75K **	10	250	3 3/8	85	3.00-4	2.50C-4	1,320	600	1,045	475	ball bearing	25	3	75	B51
VLE 310/20-75K	12 1/16	306	4 1/8	105	4.00-4	2.50C-4	990	450	880	400	ball bearing	20	3	75	B50
VLE 310/25-75K	12 1/16	306	4 1/8	105	4.00-4	2.50C-4	990	450	880	400	ball bearing	25	3	75	B50
VLE 312/25-75K **	12 1/16	306	4 1/8	105	4.00-4	2.50C-4	1,545	700	1,180	535	ball bearing	25	3	75	B50
VLE 410/25-90K	15 15/16	405	4 1/8	105	4.00-8	3.00D-8	2,095	950	1,610	730	ball bearing	25	3 9/16	90	B50
VLE 410/30-90K	15 15/16	405	4 1/8	105	4.00-8	3.00D-8	2,095	950	1,610	730	ball bearing	30	3 9/16	90	B50
VLE 460/30-90K	17 15/16	455	4 3/4	120	5.00-8	3.00D-8	3,120	1,415	2,400	1,090	ball bearing	30	3 9/16	90	B50
VLE 530/45-120K	20 11/16	525	5 1/2	140	6.00-9	4.00E-9	4,155	1,885	3,195	1,450	ball bearing	45	4 3/4	120	B50

* Wheel and tire dimensions are valid for unloaded, new tires and may slightly change during operation

** With heavy duty rim

Profile types: R = ribbed profile, B = sawtooth profile, see page 123 for image

Versions / options



With non-marking gray tire

Antistatic version, black tires

Wheel with hub cap (end wheel)

Hub fitting wheels

Further versions

Further dimensions

Product code suffix

-SG

-AS

-E

VLEA series

Available for

Consult factory

Consult factory

Consult factory

Consult factory

Consult factory

Consult factory

**Profile types
of super-elastic solid rubber tires**

Ribbed profile



R50

Sawtooth profile



B50



B51

POA series
Nylon wheels



165–570 lbs

RoHS

Tread and tire hardness
 70 Shore D

Smooth operation / floor preservation
 satisfactory

Rolling resistance
 excellent

Wear resistance
 good

- Wheel:**
- High-quality nylon 6, impact resistant, hardness 70 Shore D
 - Excellent rolling and swivel resistance
 - Easy operation on smooth surfaces
 - High abrasion resistance
 - Color black

- Other features:**
- High chemical resistance to many aggressive substances
 - Operating temperature: -5 °F to +175 °F; reduced load capacity over +95 °F

- Additional details:**
- Bearing types: page 21
 - Chemical resistance: page 31

Wheels	Wheel Ø (D)		Wheel width (T2)		Load capacity		Bearing type	Axle bore Ø (d)	Hub length (T1)	
	[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]			[inch]	[mm]
POA 50/8G	2	50	1 1/16	18	165	75	plain bore	8	7/8	22
POA 75/8G	3	75	7/8	23	220	100	plain bore	8	1 3/16	30
POA 80/12G	3 1/8	80	1 1/4	32	485	220	plain bore	12	1 3/8	35
POA 100/12G	4	100	1 1/4	32	530	240	plain bore	12	1 3/8	35
POA 125/12G	5	125	1 1/4	32	570	260	plain bore	12	1 3/8	35

9

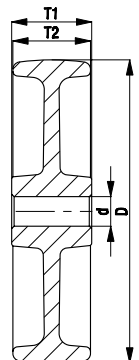
Versions / options



In white color

Product code suffix PO / PPN series

Available for Consult factory



PO, POG series

Nylon wheels

395–2,205 lbs

RoHS



Tread and tire hardness

70 Shore D

Smooth operation / floor preservation

satisfactory

Rolling resistance

excellent

Wear resistance

good

Wheel:

- High-quality nylon 6, impact resistant, hardness 70 Shore D
- Excellent rolling and swivel resistance
- Easy operation on smooth surfaces
- High abrasion resistance
- PO series: color natural white
- POG series: color gray

Other features:

- KA version: with synthetic thread guard, small
- High chemical resistance to many aggressive substances
- Operating temperature: -5 °F to +175 °F, reduced load capacity over +95 °F

Additional details:

- Bearing types: page 21
- Chemical resistance: page 31

Wheels	Wheel Ø (D)		Wheel width (T2)		Load capacity		Bearing type	Axle bore Ø (d)	Hub length (T1)	
	[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]			[mm]	[inch]
PO series										
PO 80/12G	3 1/8	80	1 1/4	32	485	220	plain bore	12	1 3/8	35
PO 101/12G	4	100	1 1/4	32	530	240	plain bore	12	1 3/8	35
PO 126/12G	5	125	1 1/4	32	570	260	plain bore	12	1 3/8	35
PO 127/20K	5	125	2	50	880	400	ball bearing	20	2 3/8	60
POG series										
POG 80/12G	3 1/8	80	1 1/4	32	485	220	plain bore	12	1 3/8	35
POG 82/15K	3 1/8	80	1 7/16	37	550	250	ball bearing	15	1 3/4	45
POG 89/15G	3 1/2	89	1 1/4	32	395	180	plain bore	15	1 3/4	45
POG 89/10KA	3 1/2	89	1 1/4	32	395	180	ball bearing (C)	10	1 13/16	46
POG 100/12G	4	100	1 7/16	37	615	280	plain bore	12	1 3/4	45
POG 100/15G	4	100	1 7/16	37	615	280	plain bore	15	1 3/4	45
POG 100/10KA	4	100	1 7/16	37	615	280	ball bearing (C)	10	1 13/16	46
POG 125/12G	5	125	1 9/16	40	660	300	plain bore	12	1 3/4	45
POG 125/15G	5	125	1 9/16	40	660	300	plain bore	15	1 3/4	45
POG 125/10KA	5	125	1 9/16	40	660	300	ball bearing (C)	10	1 13/16	46
POG 150/20G	6	150	2	50	880	400	plain bore	20	2 3/8	60
POG 150/20K	6	150	2	50	880	400	ball bearing	20	2 3/8	60
POG 160/20K	6 9/16	160	2	50	990	450	ball bearing	20	2 3/8	60
POG 200/20G	8	200	2	50	1,320	600	plain bore	20	2 3/8	60
POG 200/20K	8	200	2	50	1,320	600	ball bearing	20	2 3/8	60
POG 250/25G	10	250	2	50	2,205	1,000	plain bore	25	2 3/8	60
POG 250/25K	10	250	2	50	2,205	1,000	ball bearing	25	2 3/8	60

Versions / options



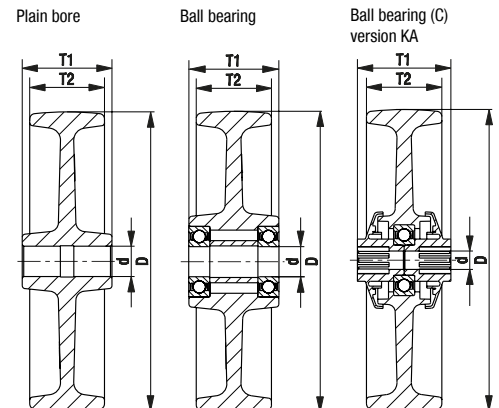
Electrically conductive version, non-marking gray

With roller bearing in white color

Corrosion-resistant version

With stainless steel roller or ball bearing

Product code suffix	-ELS	-R	-XKA	-XR / -XK
Available for	See series PO...-ELS (page 151)	Consult factory	POG series, all except wheel Ø 3 1/2"	Consult factory

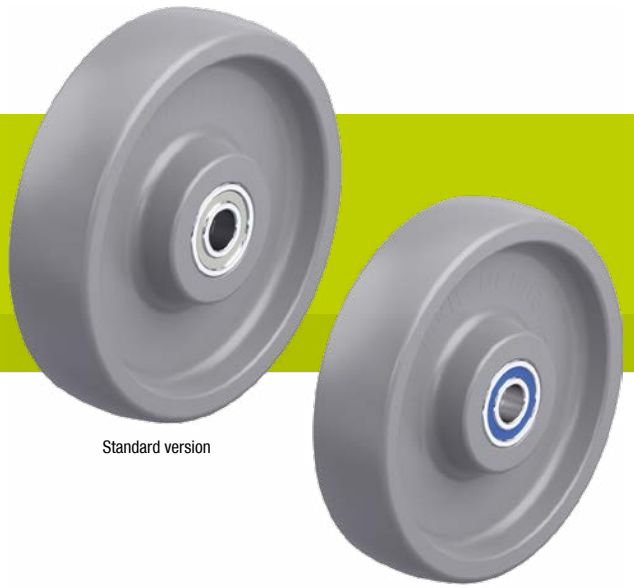


SPOG series

Heavy-duty nylon wheels

770–4,410 lbs

RoHS



Standard version



Corrosion-resistant version

Tread and tire hardness

70 Shore D

Smooth operation / floor preservation

satisfactory

Rolling resistance

excellent

Wear resistance

good

Wheel:

- High-quality nylon 6, impact resistant, hardness 70 Shore D
- Extremely robust heavy-duty version
- Excellent rolling and swivel resistance
- Easy operation on smooth surfaces
- High abrasion resistance
- Color gray

Other features:

- High chemical resistance to many aggressive substances
- Operating temperature: -5 °F to +175 °F, reduced load capacity over +95 °F

Additional details:

- Bearing types: page 21
- Chemical resistance: page 31

Wheels	Wheel Ø (D)		Wheel width (T2)		Load capacity		Bearing type	Axle bore Ø (d) [mm]	Hub length (T1)	
	[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]			[inch]	[mm]
SPOG series										
SPOG 80/15K	3 1/8	80	1 7/16	37	770	350	ball bearing	15	1 3/4	45
SPOG 100/15K	4	100	1 7/16	37	1,100	500	ball bearing	15	1 3/4	45
SPOG 125/15K	5	125	1 9/16	40	1,545	700	ball bearing	15	1 3/4	45
SPOG 127/20K	5	125	2	50	1,650	750	ball bearing	20	2 3/8	60
SPOG 150/20K	6	150	2	50	1,765	800	ball bearing	20	2 3/8	60
SPOG 160/20K	6 5/16	160	2	50	1,875	850	ball bearing	20	2 3/8	60
SPOG 201/20K	8	200	2	50	2,205	1,000	ball bearing	20	2 3/8	60
SPOG 200/25K *	8	200	2	50	3,305	1,500	ball bearing	25	2 3/8	60
SPOG 250/25K	10	250	2 1/16	65	4,410	2,000	ball bearing	25	2 1/16	65
SPOG series (corrosion-resistant) 										
SPOG 80/15XK	3 1/8	80	1 7/16	37	770	350	ball bearing	15	1 3/4	45
SPOG 100/15XK	4	100	1 7/16	37	1,100	500	ball bearing	15	1 3/4	45
SPOG 125/15XK	5	125	1 9/16	40	1,545	700	ball bearing	15	1 3/4	45
SPOG 127/20XK	5	125	2	50	1,650	750	ball bearing	20	2 3/8	60
SPOG 150/20XK	6	150	2	50	1,765	800	ball bearing	20	2 3/8	60
SPOG 201/20XK	8	200	2	50	2,205	1,000	ball bearing	20	2 3/8	60
SPOG 200/20XK	8	200	2	50	2,755	1,250	ball bearing	20	2 3/8	60

* Extra heavy wheel design

Versions / options



Plain bore versions

In white color

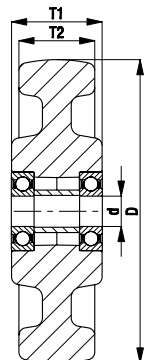
Product code suffix

SPO series

Available for

Consult factory

Consult factory



POW series

Low-noise nylon wheels with rubber damping ring



440–485 lbs

RoHS

Tread and tire hardness

70 Shore D

Smooth operation / floor preservation

satisfactory

Rolling resistance

very good

Wear resistance

good

Tread:

- High-quality nylon 6, impact resistant, hardness 70 Shore D
- Low-noise operation (-10 decibels) with elastic cushion layer made from elastic solid rubber, color red
- Easy operation on smooth surfaces
- Low rolling resistance
- High abrasion resistance
- Color white

Other features:

- KF version: with synthetic thread guard, large
- High chemical resistance to many aggressive substances
- Operating temperature: -5 °F to +175 °F, reduced load capacity over +95 °F

Additional details:

- Bearing types: page 21
- Chemical resistance: page 31

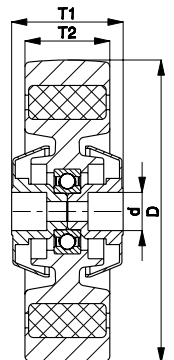
Wheels	Wheel Ø (D)		Wheel width (T2)		Load capacity		Bearing type	Axle bore Ø (d)	Hub length (T1)	
	[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]			[inch]	[mm]
POW 100/8KF	4	100	1 3/8	35	440	200	ball bearing (C)	8	1 13/16	46
POW 100/10KF	4	100	1 3/8	35	440	200	ball bearing (C)	10	1 13/16	46
POW 125/8KF	5	125	1 3/8	35	485	220	ball bearing (C)	8	1 13/16	46
POW 125/10KF	5	125	1 3/8	35	485	220	ball bearing (C)	10	1 13/16	46

Versions / options



Large thread guard with additional ball bearing seals

Product code suffix	-KFD
Available for	Consult factory



GSPO series

Heavy-duty cast nylon wheels



1,430–6,615 lbs

RoHS

Tread and tire hardness
 80 Shore D

Smooth operation / floor preservation
 satisfactory

Rolling resistance
 excellent

Wear resistance
 very good

- Wheel:**
- High-quality cast nylon, reaction-injected, impact resistant, hardness 80 Shore D
 - Extremely high load capacity
 - Excellent rolling and swivel resistance
 - Easy operation on smooth surfaces
 - High abrasion resistance
 - Color natural beige

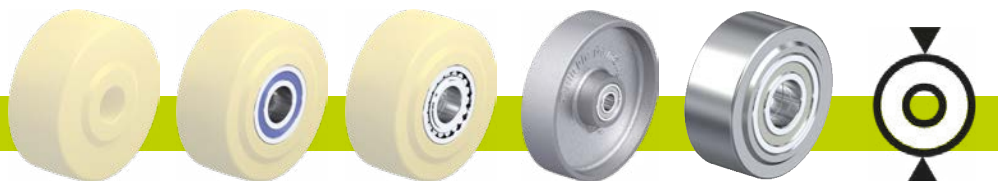
- Other features:**
- High chemical resistance to many aggressive substances
 - Reduced moisture absorption
 - Operating temperature: -5 °F to +175 °F, reduced load capacity over +95 °F
 - Consider the surface pressure on sensitive floors due to high point loads

- Additional details:**
- Bearing types: page 21
 - Chemical resistance: page 31

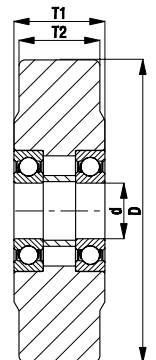
Wheels	Wheel Ø (D)		Wheel width (T2)		Load capacity		Bearing type	Axle bore Ø (d) [mm]	Hub length (T1)	
	[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]			[inch]	[mm]
GSPO 65/15K	2 5/16	65	1 1/16	40	1,430 *	650	ball bearing	15	1 3/4	45
GSPO 80/20K	3 1/8	80	1 1/16	40	2,205 *	1,000	ball bearing	20	1 3/4	45
GSPO 100/20K	4	100	1 1/16	40	2,755 *	1,250	ball bearing	20	1 3/4	45
GSPO 101/25K	4	100	2 3/16	55	3,305 *	1,500	ball bearing	25	2 3/8	60
GSPO 125/25K	5	125	2 3/16	55	4,410 *	2,000	ball bearing	25	2 3/8	60
GSPO 150/30K	6	150	2 3/16	55	5,510 *	2,500	ball bearing	30	2 3/8	60
GSPO 152/35K	6	150	3 1/8	80	6,615 *	3,000	ball bearing	35	3 3/8	90
GSPO 200/35K	8	200	2 3/16	55	6,615	3,000	ball bearing	35	2 3/8	60

* Load capacity test in compliance with DIN 12532 with extended breaks to avoid thermal overloading

Versions / options



	Plain bore version	With stainless steel ball bearing in the wheel hub **	With spherical roller bearing	Heavy Duty Cast Iron Wheels	Heavy Duty Solid Steel Wheels	Further dimensions ***
Product code suffix		-XK	-PR	G series	SVS series	
Available for	Consult factory	Consult factory	Consult factory	Consult factory	Consult factory	Consult factory



** Some dimensions may result in reduced load capacities
 *** Up to a diameter of 40" and a load capacity of 110,000 lbs

SPK series

Cast iron flanged wheels



880–7,715 lbs

✓RoHS

Tread and tire hardness
 180–220 HB

Smooth operation / floor preservation
 sufficient

Rolling resistance
 excellent

Wear resistance
 excellent

- Wheel:**
- Rugged gray cast iron, hardness 180–220 HB
 - With grease nipple from wheel Ø 5"
 - Machined flange and tread
 - 3° taper tread to axle
 - Extremely low rolling resistance
 - Outstanding wear resistance
 - Lacquered, color silver

- Other features:**
- Chemical resistance to many aggressive substances
 - Operating temperature:
 Blain bore version: -150 °F to +1,110 °F, load capacity reduced by 50 % at +1,110 °F
 Ball bearing version: -5 °F to +250 °F
 Heat-resistant ball bearing version:
 -20 °F to +570 °F, load capacity reduced by 50 % at +570 °F
 - Provide adequate lubrication on a regular basis for plain bore version
 - The load capacities provided in the table refer to the allocation of flanged wheels to rail profiles in accordance with DIN 536 specified below (crane rail standard):
 SPK 50G–SPK 200K, SPK 250K: A45
 SPK 201K, SPK 251K: A55

- Additional details:**
- Bearing types: page 21
 - Chemical resistance: page 31

Flanged wheels	Wheel Ø w/o flange (D)		Wheel Ø incl. flange (D1)		Wheel width (T2)		Tread width (T3)		Flange length (T4)		Load capacity		Bearing type	Axle bore Ø (d)		Hub length (T1)	
	[inch]	[mm]	[inch]	[mm]	[inch]	[mm]	[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]		[mm]	[inch]	[mm]	
SPK 50G	2	50	2 7/16	62	1 1/4	32	1	26	3/4	6	880	400	plain bore	15	1 1/4	32	
SPK 75G	3	75	4	100	1 9/16	40	1 3/16	30	9/16	13.5	1,545	700	plain bore	20	1 7/8	47	
SPK 75K	3	75	4	100	1 9/16	40	1 3/16	30	9/16	13.5	1,545	700	ball bearing	20	1 7/8	47	
SPK 100G	4	100	5	125	1 13/16	46	1 7/16	36	1/2	13	1,765	800	plain bore	20	2 1/16	52	
SPK 100K	4	100	5	125	1 13/16	46	1 7/16	36	1/2	13	1,765	800	ball bearing	20	2 1/16	52	
SPK 125K	5	125	5 11/16	145	1 13/16	46	1 7/16	36	1/2	13	1,985	900	ball bearing	20	2 1/16	52	
SPK 150K	6	150	7	175	1 13/16	46	1 7/16	36	1/2	13	2,205	1000	ball bearing	20	2 1/16	52	
SPK 200K	8	200	9 1/16	230	2 1/16	53	1 1/2	38	13/16	20	3,305	1,500	ball bearing	25	2 3/8	60	
SPK 201K	8	200	9 1/16	230	3 1/8	80	2 3/8	60	1	25	6,615	3,000	ball bearing	40	3 1/16	90	
SPK 250K	10	250	12	300	2 9/16	65	2	50	1 1/16	17.5	5,510	2,500	ball bearing	30	2 3/4	70	
SPK 251K	10	250	12	300	3 1/8	80	2 3/8	60	1	25	7,715	3,500	ball bearing	40	3 3/16	90	

Versions / options



Heavy-duty solid steel flanged wheels



With rigid rig



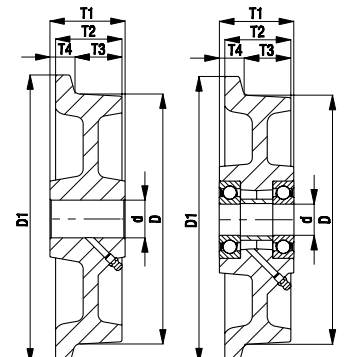
With heat-resistant ball bearing up to +570 °F



Further dimensions

Product code suffix	SPKVS series	BH / BS series	-IK	
Available for	Consult factory	Consult factory	Consult factory	Consult factory

Plain bore Ball bearing



SPKGSP0 series

Cast nylon flanged wheels



485–1,650 lbs

RoHS

Tread and tire hardness

80 Shore D

Smooth operation / floor preservation

satisfactory

Rolling resistance

excellent

Wear resistance

very good

Wheel:

- High-quality cast nylon, impact resistant, hardness 80 Shore D
- 3° taper tread to axle
- Very low rolling resistance
- High abrasion resistance
- Color natural beige

Other features:

- High chemical resistance to many aggressive substances
- Operating temperature: -5 °F to +175 °F; reduced load capacity over +95 °F
- The load capacities provided in the table refer to the allocation of flanged wheels to rail profiles in accordance with DIN 536 specified below (crane rail standard):
SPKGSP0 50K–SPKGSP0 125K: A45

Additional details:

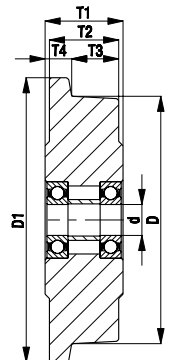
- Bearing types: page 21
- Chemical resistance: page 31

Flanged wheels	Wheel Ø w/o flange (D)		Wheel Ø incl. flange (D1)		Wheel width (T2)		Tread width (T3)		Flange length (T4)		Load capacity		Bearing type	Axle bore Ø (d)		Hub length (T1)	
	[inch]	[mm]	[inch]	[mm]	[inch]	[mm]	[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]		[mm]	[inch]	[mm]	
SPKGSP0 50K	2	50	2 7/16	62	1 1/4	32	1	26	1/4	6	485	220	ball bearing	15	1 1/4	32	
SPKGSP0 75K	3	75	4	100	1 9/16	40	1 3/16	30	9/16	13.5	840	380	ball bearing	20	1 7/8	47	
SPKGSP0 100K	4	100	5	125	1 13/16	46	1 7/16	36	1/2	13	1,320	600	ball bearing	20	2 1/16	52	
SPKGSP0 125K	5	125	5 1/16	145	1 13/16	46	1 7/16	36	1/2	13	1,650	750	ball bearing	20	2 1/16	52	

Versions / options



Further versions	With rigid rig	With stainless steel ball bearing in the wheel hub	Further dimensions
	BH / BS series	-XK	
Available for	Consult factory	Consult factory	Consult factory



DSPK series

Twin solid steel flanged wheels



265–2,645 lbs

RoHS

Tread and tire hardness

190–230 HB

Smooth operation / floor preservation

sufficient

Rolling resistance

excellent

Wear resistance

excellent

Wheel:

- Heat-treatable steel, machined, hardness 190–230 HB
- Lightly-oiled surface
- V-shaped tread (for angular steel)
- Extremely low rolling resistance
- Outstanding wear resistance
- Extremely high static and dynamic load capacity

Other features:

- Chemical resistance to many aggressive substances
- Operating temperature: -5 °F to +250 °F
- Consider the surface pressure on sensitive floors due to high point loads

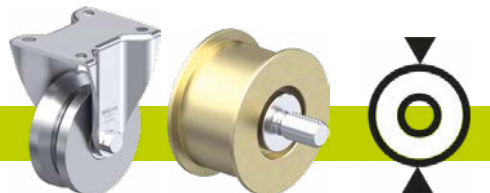
Additional details:

- Bearing types: page 21
- Chemical resistance: page 31

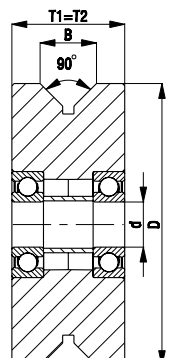
Twin flanged wheels	Wheel Ø (D)		Wheel width (T2)		Recess width (B)		Load capacity		Bearing type	Axle bore Ø (d)	Hub length (T1)	
	[inch]	[mm]	[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]			[mm]	[inch]
DSPK 50K	2	50	1 1/16	18	1/2	12	265	120	ball bearing	10	1 1/16	18
DSPK 75K	3	75	3/8	22	5/8	16	550	250	ball bearing	12	7/8	22
DSPK 100K	4	100	1 5/16	24	1 1/16	18	660	300	ball bearing	15	1 5/16	24
DSPK 101K *	4	100	1 3/16	40	1 3/16	20	1,320	600	ball bearing	15	1 1/16	40
DSPK 120K	4 3/4	120	1 5/16	33	1	25	1,320	600	ball bearing	20	1 5/16	33
DSPK 125K *	5	125	2	50	1	25	2,645	1,200	ball bearing	20	2	50
DSPK 150K	6	150	1 5/16	33	1	25	1,765	800	ball bearing	20	1 5/16	33
DSPK 200K	8	200	1 5/16	33	1	25	2,205	1,000	ball bearing	20	1 5/16	33

* Wheels with wide tread that can also run outside of the rails.

Versions / options



	With rigid rig	Further versions	Further dimensions
Product code suffix	BH-DSPK series		
Available for	Consult factory	Consult factory	Consult factory



DSPKGSP0 series

Twin cast nylon flanged wheels



330–1,545 lbs

RoHS

Tread and tire hardness

80 Shore D

Smooth operation / floor preservation

satisfactory

Rolling resistance

excellent

Wear resistance

very good

Wheel:

- High-quality cast nylon, impact resistant, hardness 80 Shore D
- V-shaped tread (for angular steel)
- Very low rolling resistance
- High abrasion resistance
- Color natural beige

Other features:

- High chemical resistance to many aggressive substances
- Operating temperature: -5 °F to +175 °F, reduced load capacity over +95 °F
- Consider the surface pressure on sensitive floors due to high point loads

Additional details:

- Bearing types: page 21
- Chemical resistance: page 31

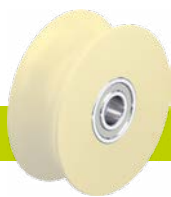
Twin flanged wheels	Wheel Ø (D)		Wheel width (T2)		Recess width (B)		Load capacity		Bearing type	Axle bore Ø (d)	Hub length (T1)	
	[inch]	[mm]	[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]			[inch]	[mm]
DSPKGSP0 100K	4	100	1 ⁵ / ₁₆	24	1 ⁵ / ₁₆	18	330	150	ball bearing	15	1 ⁵ / ₁₆	24
DSPKGSP0 101K *	4	100	1 3 ¹ / ₁₆	40	1 ⁵ / ₁₆	20	880	400	ball bearing	15	1 3 ¹ / ₁₆	40
DSPKGSP0 125K *	5	125	2	50	1	25	1,545	700	ball bearing	20	2	50

* Wheels with wide tread that can also run outside of the rails.

Versions / options



With rigid rig



Further versions

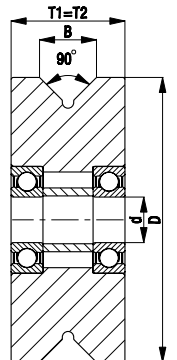


With stainless steel ball bearing in the wheel hub



Further dimensions

Product code suffix	BH-DSPKGSP0 series		-XK	
Available for	Consult factory	Consult factory	Consult factory	Consult factory



POSI series

Heat-resistant Blickle TempLine®
Comfort wheels with silicone rubber tread,
with thermoplastic wheel center

175–265 lbs

-15 °F to +480 °F ✓RoHS



Blickle
TempLine® Comfort

Tread and tire hardness

75 Shore A

Smooth operation / floor preservation

very good

Rolling resistance

good

Wear resistance

satisfactory

Tread:

- Highly heat-resistant silicone rubber, hardness 75 Shore A
- Highly elastic
- Very good operational comfort
- Very good floor preservation, low-noise operation
- Ageing resistant
- Color black
- Vulcanised onto the wheel center

Wheel center:

- Highly heat-resistant thermoplastic, impact resistant, color dark gray

Other features:

- Very high chemical resistance to many aggressive substances
- Operating temperature: -15 °F to +480 °F
- Oven temperature temporarily up to +570 °F, wheel temperature must not exceed +480 °F
- **Suitable for autoclaves**

Additional details:

- Bearing types: page 21
- Chemical resistance: page 31

Wheels	Wheel Ø (D)		Wheel width (T2)		Load capacity		Bearing type	Axle bore Ø (d) [mm]	Hub length (T1)	
	[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]			[inch]	[mm]
POSI 101/12G	4	100	1 3/8	35	175	80	plain bore	12	1 1/2	38
POSI 100/12G	4	100	1 3/16	40	220	100	plain bore	12	1 3/4	45
POSI 125/12G	5	125	1 3/16	40	265	120	plain bore	12	1 3/4	45

Versions / options



With non-marking gray tire *

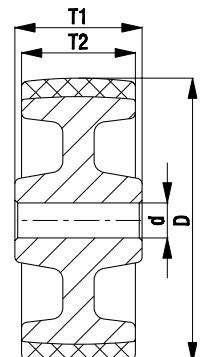
With aluminum wheel center

Heat-resistant solid rubber wheel up to +500 °F

PTFE coated stainless steel axle tube Ø 12/8x40 mm

PTFE coated stainless steel axle tube Ø 12/8x47 mm

Product code suffix	-SG	ALSI series	VKHT series	XAT 12x40	XAT 12x47
Available for	Consult factory	Consult factory	Consult factory	Consult factory	Consult factory



* Operating temperature: up to +465 °F

POH, POHI series

Heat-resistant thermoplastic Blickle TempLine® wheels



POH
Blickle
TempLine® PerformanceLight

POHI
Blickle
TempLine® Performance

440–1,320 lbs

-15 °F to +480 °F RoHS

Tread and tire hardness
 85 Shore D

Smooth operation / floor preservation
 satisfactory

Rolling resistance
 excellent

Wear resistance POH series
 good

Wear resistance POHI series
 satisfactory

- Wheel:**
- Highly heat-resistant thermoplastic, impact resistant, hardness 85 Shore D
 - Excellent rolling and swivel resistance
 - Easy operation on smooth surfaces
 - High abrasion resistance
 - POH series: color natural
 - POHI series: color dark gray
 - Suitable for autoclaves**

- Other features:**
- High chemical resistance to many aggressive substances
- POH series:**
- Operating temperature: -15 °F to +340 °F
 - Oven temperature temporarily up to +390 °F, wheel temperature must not exceed +340 °F
- POHI series:**
- Operating temperature: -15 °F to +480 °F
 - Oven temperature temporarily up to +570 °F, wheel temperature must not exceed +480 °F

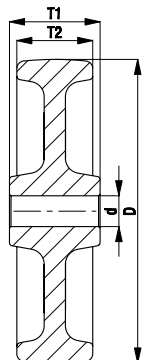
- Additional details:**
- Bearing types: page 21
 - Chemical resistance: page 31

Wheels	Wheel Ø (D)		Wheel width (T2)		Load cap. up to +160 °F		Load cap. at +340 °F		Load cap. at +480 °F		Bearing type	Axle bore Ø (d) [mm]	Hub length (T1)	
	[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]	[lbs]	[kg]	[lbs]	[kg]			[inch]	[mm]
POH Series (up to 340 °F)														
POH 100/12-35G	4	100	1 3/16	30	530	240	350	160	–	–	plain bore	12	1 3/8	35
POH 100/12-45G	4	100	1 3/16	30	530	240	350	160	–	–	plain bore	12	1 3/4	45
POH 125/12-35G	5	125	1 1/16	30	550	250	440	200	–	–	plain bore	12	1 3/4	35
POH 125/12G	5	125	1 1/16	40	795	360	530	240	–	–	plain bore	12	1 3/4	45
POHI series (up to 480 °F)														
POHI 100/12-35G	4	100	1 3/16	30	440	200	350	160	265	120	plain bore	12	1 3/8	35
POHI 100/12-45G	4	100	1 3/16	30	440	200	350	160	265	120	plain bore	12	1 3/4	45
POHI 125/12-35G	5	125	1 1/2	30	550	250	440	200	330	150	plain bore	12	1 3/8	35
POHI 125/12G	5	125	1 1/16	40	660	300	530	240	400	180	plain bore	12	1 3/4	45
POHI 150/20G	6	150	2	50	1,100	500	880	400	550	250	plain bore	20	2 3/8	60
POHI 200/20G	8	200	2	50	1,320	600	1,060	480	795	360	plain bore	20	2 3/8	60

Versions / options



	PTFE coated stainless steel axle tube Ø 12/8x37 mm	PTFE coated stainless steel axle tube Ø 12/8x47 mm	With heat-resistant ball bearings	With stainless steel ball bearings with heat-resistant grease	Further dimensions
Product code suffix	XAT 12x37	XAT 12x47	-HK	-HXK	
Available for	Consult factory	Consult factory	Consult factory	Consult factory	Consult factory



FTH series

Guide rollers with Blickle Extrathane® polyurethane tread



55–330 lbs

RoHS

Tread and tire hardness

92 Shore A

Smooth operation / floor preservation

good

Rolling resistance

very good

Wear resistance

excellent



Tread:

- High-quality polyurethane elastomer Blickle Extrathane®, hardness 92 Shore A
- Low rolling resistance
- High abrasion resistance
- High cut and tear propagation resistance
- Color light brown, non-marking, non-staining
- Tread cast directly onto the ball bearing
- Excellent chemical connection

Other features:

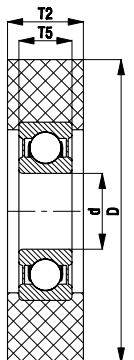
- High chemical resistance to many aggressive substances
- Operating temperature: -5 °F to +160 °F, temporarily up to +195 °F, reduced load capacity over +105 °F
- Load capacity specifications refer to obstacle-free applications

Additional details:

- Bearing types: page 21
- Chemical resistance: page 31

Guide rollers	Wheel Ø (D)		Wheel width (T2)		Load capacity		Ball bearing	Axle bore Ø (d)	Clamping length (T5)	
	[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]			[inch]	[mm]
FTH 30x8/6-6K	1 3/16	30	5/16	8	55	25	626 2RS	6	1/4	6
FTH 30x11/9-7K	1 3/16	30	3/8	11	66	30	609 2RS	9	1/4	7
FTH 34x16/8-7K	1 5/16	34	5/8	16	80	35	608 2RS	8	1/4	7
FTH 35x14/12-8K	1 3/8	35	9/16	14	90	40	6001 2RS	12	5/16	8
FTH 36x13/10-9K	1 7/16	36	1/2	13	100	45	6200 2RS	10	3/8	9
FTH 40x15/10-8K	1 5/16	40	9/16	15	100	45	6000 2RS	10	5/16	8
FTH 40x20/10-9K	1 5/16	40	13/16	20	110	50	6200 2RS	10	3/8	9
FTH 45x17/15-11K	1 3/4	45	11/16	17	155	70	6202 2RS	15	7/16	11
FTH 50x15/10-9K	2	50	9/16	15	140	65	6200 2RS	10	3/8	9
FTH 50x15/12-12K	2	50	9/16	15	175	80	6301 2RS	12	1/2	12
FTH 50x18/15-11K	2	50	11/16	18	175	80	6202 2RS	15	7/16	11
FTH 60x20/17-12K	2 3/8	60	13/16	20	220	100	6203 2RS	17	1/2	12
FTH 70x20/25-15K	2 3/4	70	13/16	20	330	150	6205 2RS	25	5/8	15

Versions / options



	Other tread hardness	Wheel with impact-resistant nylon tread, 70 Shore D	With stainless steel ball bearing in the wheel hub	Further dimensions
Product code suffix	FPTH series	FPO series	-KK	
Available for	Consult factory	Consult factory	Consult factory	Consult factory

FSTH series

Guide rollers with Blickle Extrathane® polyurethane tread, with steel wheel center



130–705 lbs

RoHS

Tread and tire hardness

92 Shore A

Smooth operation / floor preservation

good

Rolling resistance

very good

Wear resistance

excellent

Tread:

- High-quality polyurethane elastomer Blickle Extrathane®, hardness 92 Shore A
- Low rolling resistance
- High abrasion resistance
- High cut and tear propagation resistance
- Color light brown, non-marking, non-staining
- Excellent chemical connection with the wheel center

Wheel center:

- Steel

Other features:

- High chemical resistance to many aggressive substances
- Operating temperature: -5 °F to +160 °F, temporarily up to +195 °F, reduced load capacity over +105 °F
- Load capacity specifications refer to obstacle-free applications

Additional details:

- Bearing types: page 21
- Chemical resistance: page 31

Guide rollers	Wheel Ø (D)		Wheel width (T2)		Load capacity		Ball bearing	Axle bore Ø (d) [mm]	Clamping length (T5)	
	[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]			[inch]	[mm]
FSTH 40x13/10-8K	1 5/16	40	1/2	13	130	60	6000 2RS	10	5/16	8
FSTH 40x15/10-8K	1 5/16	40	5/16	15	155	70	6000 2RS	10	5/16	8
FSTH 40x20/10-8K	1 5/16	40	13/16	20	200	90	6000 2RS	10	5/16	8
FSTH 40x25/10-8K	1 5/16	40	1	25	255	115	6000 2RS	10	5/16	8
FSTH 50x15/10-8K	2	50	9/16	15	185	85	6000 2RS	10	5/16	8
FSTH 50x18/17-10K	2	50	11/16	18	220	100	6003 2RS	17	3/8	10
FSTH 50x25/12-10K	2	50	1	25	310	140	6201 2RS	12	3/8	10
FSTH 60x20/15-13K	2 3/8	60	13/16	20	300	135	6302 2RS	15	1/2	13
FSTH 60x20/20-12K	2 3/8	60	13/16	20	300	135	6004 2RS	20	1/2	12
FSTH 60x25/20-12K	2 3/8	60	1	25	375	170	6004 2RS	20	1/2	12
FSTH 70x25/20-15K	2 3/4	70	1	25	440	200	6304 2RS	20	9/16	15
FSTH 70x25/25-15K	2 3/4	70	1	25	440	200	6205 2RS	25	9/16	15
FSTH 80x25/25-15K	3 1/8	80	1	25	505	230	6205 2RS	25	9/16	15
FSTH 90x25/25-15K	3 3/8	90	1	25	575	260	6205 2RS	25	9/16	15
FSTH 100x25/20-15K	4	100	1	25	550	250	6304 2RS	20	9/16	15
FSTH 100x25/25-15K	4	100	1	25	550	250	6205 2RS	25	9/16	15
FSTH 125x25/25-15K	5	125	1	25	705	320	6205 2RS	25	9/16	15

Versions / options



High dynamic version with optimized rolling resistance



Hydrolysis resistant version



Antistatic version, non-marking gray

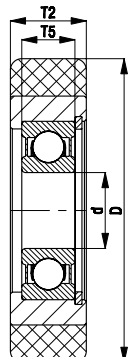


With stainless steel ball bearing



Further dimensions

Product code suffix	FPOB series	-AS	-XK	
Available for	Consult factory	Consult factory	Consult factory	Consult factory



HTH series

Rollers for pallet trucks with Blickle Extrathane® polyurethane tread, with metal wheel center

485–2,335 lbs

RoHS

Tread and tire hardness

92 Shore A

Smooth operation / floor preservation

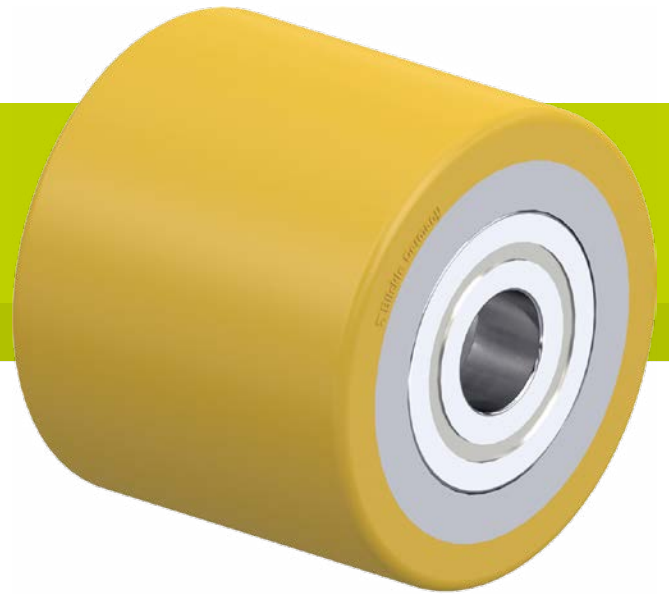
good

Rolling resistance

very good

Wear resistance

excellent



Tread:

- High-quality polyurethane elastomer Blickle Extrathane®, hardness 92 Shore A
- Low rolling resistance
- High abrasion resistance
- High cut and tear propagation resistance
- Color light brown, non-marking, non-staining
- Excellent chemical connection with the wheel center

Wheel center:

- Metal

Other features:

- High chemical resistance to many aggressive substances
- Operating temperature: -5 °F to +160 °F, temporarily up to +195 °F, reduced load capacity over +105 °F

Additional details:

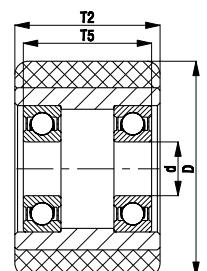
- Bearing types: page 21
- Chemical resistance: page 31

Rollers for pallet trucks	Wheel Ø (D)		Wheel width (T2)		Load capacity		Bearing type	Axle bore Ø (d) [mm]	Clamping length (T5)	
	[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]			[inch]	[mm]
HTH 60x35/15-35K	2 3/8	60	1 3/8	35	485	220	6002 ZZ	15	1 3/8	35
HTH 60x60/10-56K	2 3/8	60	2 3/8	60	880	400	6200 2RS	10	2 3/16	56
HTH 75x40/20-40K	3	75	1 1/16	40	750	340	6204 ZZ	20	1 3/16	40
HTH 75x62/20-62K	3	75	2 1/16	62	1,125	510	6204 ZZ	20	2 7/16	62
HTH 75x75/20-75K	3	75	3	75	1,390	630	6204 ZZ	20	2 15/16	75
HTH 75x95/20-95K	3	75	3 3/4	95	1,765	800	6204 ZZ	20	3 3/4	95
HTH 80x40/20-40K	3 1/8	80	1 1/16	40	770	350	6204 ZZ	20	1 3/16	40
HTH 80x54/20-54K	3 1/8	80	2 1/8	54	1,060	480	6204 ZZ	20	2 1/8	54
HTH 80x70/20-70K	3 1/8	80	2 3/4	70	1,390	630	6204 ZZ	20	2 3/4	70
HTH 80x80/20-80K	3 1/8	80	3 1/8	80	1,585	720	6204 ZZ	20	3 1/8	80
HTH 82x60/20-60K	3 1/4	82	2 3/8	60	1,210	550	6204 ZZ	20	2 3/8	60
HTH 82x65/20-65K	3 1/4	82	2 9/16	65	1,035	470	6204 ZZ	20	2 9/16	65
HTH 82x70/20-70K	3 1/4	82	2 3/4	70	1,410	640	6204 ZZ	20	2 3/4	70
HTH 82x82/20-86K	3 1/4	82	3 1/4	82	1,650	750	6204 ZZV	20	3 3/8	86
HTH 82x100/20-100K	3 1/4	82	4	100	2,030	920	6204 ZZ	20	3 15/16	100
HTH 85x75/20-75K	3 3/8	85	3	75	1,585	720	6204 ZZ	20	2 15/16	75
HTH 85x90/20-90K	3 3/8	85	3 9/16	90	1,875	850	6204 ZZ	20	3 9/16	90
HTH 85x95/20-100K	3 3/8	85	3 3/4	95	2,005	910	6204 ZZV	20	3 15/16	100
HTH 85x100/25-100K	3 3/8	85	4	100	2,115	960	6005 ZZ	25	3 15/16	100
HTH 85x110/25-110K	3 3/8	85	4 3/16	110	2,335	1,060	6005 ZZ	25	4 3/16	110

Versions / options



	With Blickle Softhane® High dynamic tread with reduced rolling resistance	Further dimensions
Product code suffix	HST series	HB series
Available for	Consult factory	Consult factory



HTHW series

Rollers for pallet trucks with Blickle Extrathane® polyurethane tread, with metal wheel center, splash and washproof



1,210–2,335 lbs

✓RoHS

Tread and tire hardness

92 Shore A

Smooth operation / floor preservation

good

Rolling resistance

very good

Wear resistance

excellent

Tread:

- High-quality polyurethane elastomer Blickle Extrathane®, hardness 92 Shore A
- Low rolling resistance
- High abrasion resistance
- High cut and tear propagation resistance
- Color light brown, non-marking, non-staining
- Excellent chemical connection with the wheel center

Wheel center:

- Metal

Other features:

- High chemical resistance to many aggressive substances
- Operating temperature: -5 °F to +160 °F, temporarily up to +195 °F, reduced load capacity over +105 °F
- Optimal splash and washproof for ball bearing through combination of clearance sealing and slipping sealing

Additional details:

- Bearing types: page 21
- Chemical resistance: page 31

Rollers for pallet trucks

	Wheel Ø (D)		Wheel width (T2)		Load capacity		Bearing type	Axle bore Ø (d) [mm]	Clamping length (T5)	
	[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]			[inch]	[mm]
HTHW 82x60/20-64K	3 ¼	82	2 ¾	60	1,210	550	ball bearing	20	2 ½	64
HTHW 82x82/20-86K	3 ¼	82	3 ¼	82	1,650	750	ball bearing	20	3 ¾	86
HTHW 82x100/20-104K	3 ¼	82	4	100	2,030	920	ball bearing	20	4 ½	104
HTHW 85x70/12-75K	3 ¾	85	2 ¾	70	1,455	660	ball bearing	12	2 ⅝	75
HTHW 85x80/25-85K	3 ¾	85	3 ⅞	80	1,700	770	ball bearing	25	3 ¾	85
HTHW 85x85/25-90K	3 ¾	85	3 ¾	85	1,810	820	ball bearing	25	3 ⅞	90
HTHW 85x90/25-95K	3 ¾	85	3 ⅞	90	1,875	850	ball bearing	25	3 ¾	95
HTHW 85x95/20-100K	3 ¾	85	3 ¾	95	2,005	910	ball bearing	20	3 ⅝	100
HTHW 85x95/25-100K	3 ¾	85	3 ¾	95	2,005	910	ball bearing	25	3 ⅝	100
HTHW 85x110/25-115K	3 ¾	85	4 ⅞	110	2,335	1,060	ball bearing	25	4 ½	115

Versions / options



With Blickle Softhane® polyurethane tread, 75 Shore A

With Blickle Bestthane® polyurethane tread

Further dimensions

Product code suffix

HSTW series

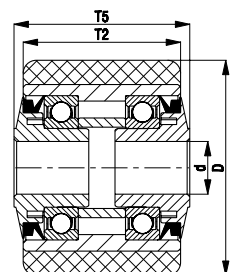
HBW series

Available for

Consult factory

Consult factory

Consult factory



HPO series

Nylon rollers for pallet trucks



1,320–2,425 lbs

RoHS

Tread and tire hardness
 70 Shore D

Smooth operation / floor preservation
 satisfactory

Rolling resistance
 excellent

Wear resistance
 good

Roller for pallet trucks:

- High-quality nylon 6, impact resistant, hardness 70 Shore D
- Very low rolling resistance
- Easy operation on smooth surfaces
- High abrasion resistance
- Color natural white

Other features:

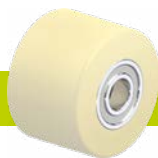
- High chemical resistance to many aggressive substances
- Operating temperature: -5 °F to +175 °F, reduced load capacity over +95 °F

Additional details:

- Bearing types: page 21
- Chemical resistance: page 31

Rollers for pallet trucks	Wheel Ø (D)		Wheel width (T2)		Load capacity		Ball bearing	Axle bore Ø (d)	Clamping length (T5)	
	[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]			[inch]	[mm]
HPO 80x61/20-67K	3 1/8	80	2 3/8	61	1,320	600	6204 ZZV	20	2 5/8	67
HPO 80x70/20-76K	3 1/8	80	2 3/4	70	1,430	650	6204 ZZV	20	3	76
HPO 82x54/20-60K	3 1/4	82	2 1/8	54	1,320	600	6204 ZZV	20	2 3/8	60
HPO 82x70/20-70K	3 1/4	82	2 3/4	70	1,545	700	6204 ZZ	20	2 3/4	70
HPO 82x80/20-80K	3 1/4	82	3 1/8	80	1,765	800	6204 ZZ	20	3 1/8	80
HPO 82x100/20-100K	3 1/4	82	4	100	2,205	1,000	6204 ZZ	20	3 15/16	100
HPO 85x90/20-90K	3 3/8	85	3 5/16	90	2,095	950	6204 ZZ	20	3 7/16	90
HPO 85x100/20-100K	3 3/8	85	4	100	2,425	1,100	6204 ZZ	20	3 15/16	100

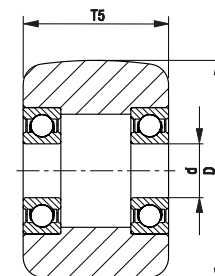
Versions / options



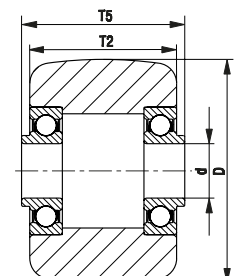
	Made of cast nylon for higher load capacities	With stainless steel ball bearing *	Further dimensions
Product code suffix	HGSP0 series	-XK	
Available for	Consult factory	Consult factory	Consult factory

* Some dimensions will result in a reduced load capacity (consult factory for details)

Ball bearing ZZ



Ball bearing ZZV



RTH series

**Wheels for stackers,
drive and running wheels
for forklift trucks**

✓RoHS

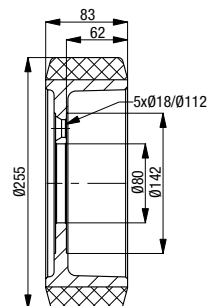
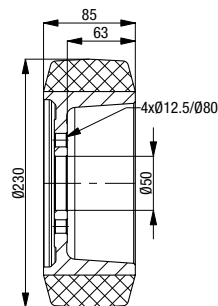
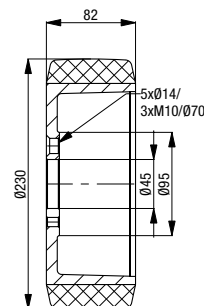
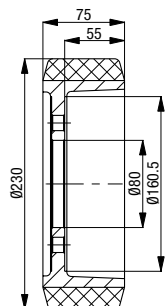
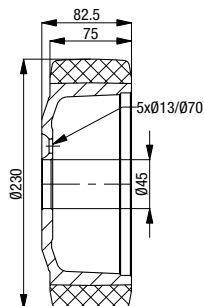
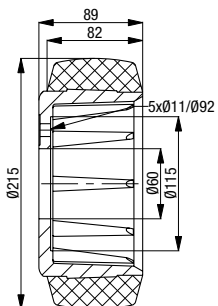


Wheel: RTH series

- Tread: high-quality polyurethane elastomer Blickle Extrathane®, hardness 92 Shore A, low rolling resistance, high abrasion resistance, high cut and tear propagation resistance, color light brown, non-marking, non-staining, excellent chemical connection with the wheel center
- Wheel center: rugged gray cast iron or ductile cast iron



Product code	Product code	Product code	Product code	Product code	Product code
RTH 215x82/60-5	RTH 230x75/45-5	RTH 230x75/80-6	RTH 230x82/45-5+3	RTH 230x85/50-4	RTH 255x83/80-5



RTH, RB, REV series

**Wheels for stackers,
drive and running wheels
for forklift trucks**

✓RoHS



Wheel: RTH series

- Tread: high-quality polyurethane elastomer Blickle Extrathane®, hardness 92 Shore A, low rolling resistance, high abrasion resistance, high cut and tear propagation resistance, color light brown, non-marking, non-staining, excellent chemical connection with the wheel center
- Wheel center: rugged gray cast iron or ductile cast iron

Wheel: RB series

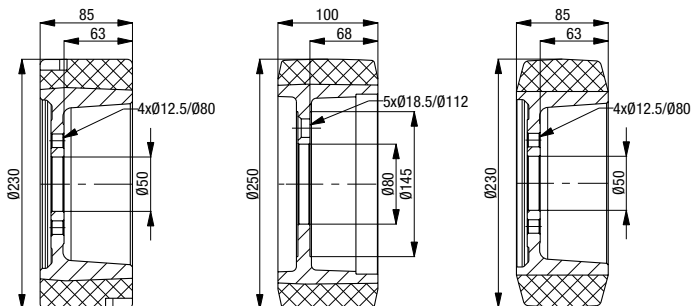
- Tread: high-quality polyurethane elastomer Blickle Besthane®, hardness 92 Shore A, very low rolling resistance, **high dynamic load capacity**, high abrasion resistance, high cut and tear propagation resistance, color brown, non-marking, non-staining, excellent chemical connection with the wheel center
- Wheel center: rugged gray cast iron or ductile cast iron

Wheel: REV series

- Tire: high-quality elastic solid rubber in drive-quality, hardness 70 Shore A, very good operational comfort, very good floor preservation, low-noise operation, color black
- Wheel center: rugged gray cast iron or ductile cast iron



Product code	Product code	Product code
RTH 230x85/50-4-GL	RB 250x100/80-5	REV 230x85/50-4



Other options



	Super-elastic solid rubber tires / Elastic solid rubber press-on bands	Press-on bands with polyurethane tread Blickle Besthane®	Further dimensions
Product code	BSEV / BEV series	BB series	
Available for	Consult factory	Consult factory	Consult factory



10

Electrically conductive, antistatic and electrostatic discharge wheels



Our wheels and casters have a conductive function. Prevent electrostatic charging.



We all know the problem of electrostatic charge – friction creates voltage that will want to discharge somewhere. In intralogistics, not only can this be painful for the operator; it can also be harmful to the goods being transported. Electrically conductive wheels and casters conduct electricity safely and directly into the ground.

It's "just" physics

Friction creates an electrostatic charge – electrical potentials are generated when the transport equipment or the operator comes into contact with the ground. The cart and/or the operator is then electrically charged. In the worst case, this load is discharged onto the operator or the goods to be transported.

Something can be done about physics:

The electrical conductivity of wheels and casters protects persons and transported goods against uncontrolled electrostatic discharge. The electrostatic charge is discharged to the ground via the wheels and casters. Blickle offers an extensive portfolio.



Medical equipment

Mining and explosives

Electronic components

Logistics and material handling

Automotive and manufacturing industries

Electrically conductive, antistatic and electrostatic discharge. The resistance makes the difference.

Conductive wheels, visible by an -EL or -ELS in the article number, allow a constant flow of charge, so no charge can build up and no spark can occur. Antistatic wheels, recognizable by an -AS, allow a small charge to build up, but discharge it prior to it being large enough to damage electronics. Wheels with -ESD in the article code are conductive, though not suitable for every application due to a smaller ohmic resistance. Areas of use are applications in explosive environments and such for conductive appliances, any electronic, battery, etc.

A short note for those interested in technology:

A wheel or a caster is regarded as **electrically conductive** if its resistance does not exceed $10^4 \Omega$, as **antistatic** if its resistance is between 10^5 and $10^7 \Omega$ and as **electrostatic discharge** if its resistance does not exceed $10^9 \Omega$. The relevant standard: ANSI/ESD S20.20 and DIN EN 12527–12533 (ISO 22878–22884). The smaller the resistance the better the electrical conductivity.

Unique concept:

As a rule, electrostatically conductive rubber wheels have a black tread that can be marking. Blickle has developed antistatic casters with elastic solid-rubber tires in a non-marking gray version. Particularly in industries with high hygiene requirements, enormous amounts of work and costs for cleaning can be saved.



The ANSI/ESD S20.20 standard

ANSI/ESD S20.20 is the multi-industry standard for the development of ESD control programs that protect today's increasingly sensitive electronic components, assemblies and equipment from costly ESD damage and reduce downtime.



Selection tool

Overview for electrically conductive, antistatic and electrostatic discharge wheels



Series	ALEV...-EL	TPA...-ELS	PATH...-ELS	PO...-ELS
Tread / tire	Elastic solid rubber, "Blickle EasyRoll"	Thermoplastic rubber elastomer	Thermoplastic polyurethane	Nylon
Electrical conductivity (ohmic resistance)	electrically conductive $\leq 10^4 \Omega$			
Tread and tire hardness	71 Shore A	85 Shore A	94 Shore A	70 Shore D
Non-marking	–	✓	✓	✓
Wheel center / rim	aluminum	polypropylene	nylon	nylon
Wheel Ø	4–8"	2–5"	2–8"	3 ½–8"
Load capacity up to	1,100 lbs	175 lbs	715 lbs	1,320 lbs
Rolling resistance	■■■■■	■■■■■	■■■■■	■■■■■
Smooth operation and floor preservation	■■■■■	■■■■■	■■■■■	■■■■■
Speeds up to	6.25 mp/h	2.5 mp/h	2.5 mp/h	2.5 mp/h
For a description of the wheel, refer to	page 148	page 149	page 150	page 151
For information about swivel and rigid casters, refer to	page 68, 72, 75, 81, 85, 93	page 52, 54, 56, 60, 62, 64, 68, 70, 78	page 53, 55, 57, 61, 63, 65, 69, 71, 73	page 57, 63, 66, 69, 71, 73, 80, 82

■■■■■ excellent

■■■■■ very good

■■■■ good

■■■ satisfactory

■ sufficient

✓ yes – no



ALEV...-SG-AS	ALTH...-AS	ALST...-AS	ALB...-ESD
Elastic solid rubber, "Blickle EasyRoll"	Polyurethane-elastomer Blickle Extrathane®	Polyurethane-elastomer Blickle Softthane®	Polyurethane-elastomer Blickle Bestthane®
antistatic $\leq 10^7 \Omega$			electrostatic discharge $\leq 10^9 \Omega$
65 Shore A	92 Shore A	75 Shore A	92 Shore A
✓	✓	✓	✓
aluminum	aluminum	aluminum	aluminum
4-8"	3 1/8-8"	4-8"	4-8"
1,000 lbs	2,755 lbs	1,650 lbs	1,765 lbs
■ ■ ■ ■ ■ □	■ ■ ■ ■ ■ □	■ ■ ■ ■ ■ □	■ ■ ■ ■ ■
■ ■ ■ ■ ■ □	■ ■ ■ ■ ■ □	■ ■ ■ ■ ■ □	■ ■ ■ ■ ■ □
6.25 mp/h	6.25 mp/h	6.25 mp/h	10 mp/h
page 152	page 153	page 154	page 155
page 68, 72, 75, 81, 85, 93	page 65, 74, 77, 83, 87, 90, 93	page 65, 74, 77, 83, 86, 93	page 77, 84, 87, 91

ALEV...-EL series

**Heavy-duty wheels with elastic solid rubber tire
“Blickle EasyRoll”, with aluminum wheel center
electrically conductive**

440–1,100 lbs

✓RoHS

≤ 10⁴ Ω

Tread and tire hardness

71 Shore A

Smooth operation / floor preservation

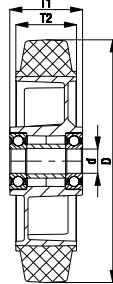
very good

Rolling resistance

very good

Wear resistance

good



Tire:

- High-quality elastic solid rubber “Blickle EasyRoll” in smooth rolling quality, hardness 71 Shore A
- Very good operational comfort
- Very good floor preservation, low-noise operation
- Low rolling resistance
- Color black
- Vulcanised onto the wheel center

Wheels	Wheel Ø (D)		Wheel width (T2)		Load capacity at 2.5 mph		Load capacity at 6.25 mph		Bearing type	Axle bore Ø (d) [mm]	Hub length (T1)	
	[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]	[lbs]	[kg]			[inch]	[mm]
ALEV 100/15K-EL	4	100	1 5/16	40	440	200	–	–	ball bearing	15	1 5/16	40
ALEV 125/15K-EL	5	125	1 5/16	40	550	250	–	–	ball bearing	15	1 3/4	45
ALEV 160/20K-EL	6 5/16	160	2	50	880	400	440	200	ball bearing	20	2 3/8	60
ALEV 200/20K-EL	8	200	2	50	1,100	500	550	250	ball bearing	20	2 3/8	60

Wheel center:

- Die-cast aluminum

Other features:

- Chemical resistance to many aggressive substances, except oils
- Operating temperature: -5 °F to +175 °F, temporarily up to +210 °F, reduced load capacity over +140 °F
- Electrical conductivity (ohmic resistance) ≤ 10⁴ Ω

Additional details:

- Wheel series: page 106
- Bearing types: page 21
- Chemical resistance: page 31

10

Caster series



	LER-ALEV...-EL	LK-ALEV...-EL-14 / LE-ALEV...-EL-14	LKR-ALEV...-EL	LEH-ALEV...-14-EL	LH-ALEV...-14-EL / LH-ALEV...-16-EL	LHF-ALEV...-14-EL / LHF-ALEV...-16-EL
Page	68	72	75	81	85	93
Load capacity class						
Available for	Consult factory	Consult factory	Consult factory	Consult factory	Consult factory	Consult factory

TPA...-ELS series

**Wheels with thermoplastic rubber tread,
with polypropylene wheel center
electrically conductive, non-marking**

65–175 lbs

RoHS

$\leq 10^4 \Omega$



Tread and tire hardness

85 Shore A

Smooth operation / floor preservation

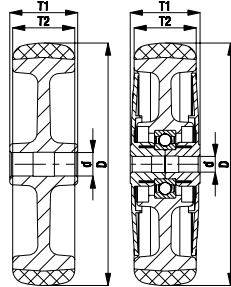
good

Rolling resistance

very good

Wear resistance

satisfactory



Plain bore Ball bearing (C)

Tread:

- High-quality thermoplastic rubber-elastomer (TPE), hardness 85 Shore A
- Low rolling and swivel resistance
- Color gray, non-marking
- Chemically-bonded inseparable connection with the wheel center

Wheel center:

- High-quality polypropylene, impact resistant
- Color black

Other features:

- KF version: with synthetic thread guard, large
- KFD version: with synthetic thread guard, large, with additional ball bearing seal
- Very high chemical resistance to many aggressive substances
- Operating temperature: -5 °F to +140 °F, reduced load capacity over +85 °F
- Tread contains oil, may stain sensitive surfaces. alternatives: Series VPA, PATH
- Electrical conductivity (ohmic resistance) $\leq 10^4 \Omega$

Wheels	Wheel Ø (D)		Wheel Width (T2)		Load Capacity		Bearing Type	Axle Bore Ø (d) [mm]	Hub Length (T1)	
	[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]			[inch]	[mm]
TPA 50/8G-ELS	2	50	¾	19	65	30	plain bore	8	7/8	22
TPA 50/6KF-ELS	2	50	¾	19	65	30	ball bearing (C)	6	7/8	23
TPA 50/6KFD-ELS	2	50	¾	19	65	30	ball bearing (C)	6	7/8	23
TPA 75/8G-ELS	3	75	1	25	110	50	plain bore	8	1 3/16	29.5
TPA 75/6KF-ELS	3	75	1	25	110	50	ball bearing (C)	6	1 ¼	31
TPA 75/6KFD-ELS	3	75	1	25	110	50	ball bearing (C)	6	1 ¼	31
TPA 80/12G-ELS	3 ½	80	1 ¼	32	140	65	plain bore	12	1 ¾	35
TPA 80/8KF-ELS	3 ½	80	1 ¼	32	140	65	ball bearing (C)	8	1 7/16	36
TPA 80/8KFD-ELS	3 ½	80	1 ¼	32	140	65	ball bearing (C)	8	1 7/16	36
TPA 100/8G-ELS	4	100	1	25	130	60	plain bore	8	1 ¾	29.5
TPA 101/12G-ELS	4	100	1 ¼	32	155	70	plain bore	12	1 ¾	35
TPA 101/8KF-ELS	4	100	1 ¼	32	155	70	ball bearing (C)	8	1 7/16	36
TPA 101/8KFD-ELS	4	100	1 ¼	32	155	70	ball bearing (C)	8	1 7/16	36
TPA 126/12G-ELS	5	125	1 ¼	32	175	80	plain bore	12	1 ¾	35
TPA 126/8KF-ELS	5	125	1 ¼	32	175	80	ball bearing (C)	8	1 7/16	36
TPA 126/8KFD-ELS	5	125	1 ¼	32	175	80	ball bearing (C)	8	1 7/16	36

Additional details:

- Wheel series: page 107
- Bearing types: page 21
- Chemical resistance: page 31

Caster series



	LRA-TPA...-ELS / LKRA-TPA...-ELS / LKRXA-TPA...-ELS	LKPA-TPA...-ELS / LKPXA-TPA...-ELS	L-TPA...-12-ELS	LER-TPA...-ELS / LEXR-TPA...-ELS	LKX-TPA...-14-ELS / LEX-TPA...-14-ELS
Page	52 / 54 / 56	60 / 62	64	68 / 70	78
Load capacity class					
Available for	Consult factory	Consult factory	Consult factory	Consult factory	Consult factory

PATH...-ELS series

Wheels with thermoplastic polyurethane tread, with nylon wheel center, electrically conductive, non-marking



110–715 lbs

✓RoHS

≤ 10⁴ Ω

Tread and tire hardness

94 Shore A

Smooth operation / floor preservation

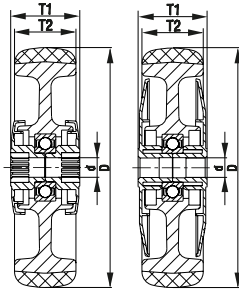
good

Rolling resistance

very good

Wear resistance

very good



Ball bearing (C)
KA version

Ball bearing (C)
KF version

Tread:

- High-quality thermoplastic polyurethane (TPU), hardness 94 Shore A
- Low rolling and swivel resistance
- High abrasion resistance
- Color dark gray, non-marking, non-staining
- Chemically-bonded inseparable connection with the wheel center

Wheel center:

- High-quality nylon 6, impact resistant
- Color silver gray (thread guard: black)

Other features:

- KA version: with synthetic thread guard, small
- KF version: with synthetic thread guard, large
- KAD version: with synthetic thread guard, small, with additional ball bearing seal
- KFD version: with synthetic thread guard, large, with additional ball bearing seal
- Very high chemical resistance to many aggressive substances
- Operating temperature: -5 °F to +160 °F, temporarily up to +195 °F, reduced load capacity over +95 °F
- electrical conductivity (ohmic resistance) ≤ 10⁴ Ω

Additional details:

- Wheel series: page 108
- Bearing types: page 21
- Chemical resistance: page 31

Wheels	Wheel Ø (D)		Wheel width (T2)		Load capacity		Bearing type	Axle bore Ø (d) [mm]	Hub length (T1)	
	[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]			[inch]	[mm]
PATH 50/6KF-ELS	2	50	¾	19	110	50	ball bearing (C)	6	7/8	22
PATH 50/6KFD-ELS	2	50	¾	19	110	50	ball bearing (C)	6	7/8	23
PATH 75/6KF-ELS	3	75	1	25	140	65	ball bearing (C)	6	1 ¼	31
PATH 75/6KFD-ELS	3	75	1	25	140	65	ball bearing (C)	6	1 ¼	31
PATH 80/8KF-ELS	3 ½	80	1 ¼	32	220	100	ball bearing (C)	8	1 7/16	36
PATH 80/8KFD-ELS	3 ½	80	1 ¼	32	220	100	ball bearing (C)	8	1 7/16	36
PATH 101/8KF-ELS	4	100	1	25	285	130	ball bearing (C)	8	1 7/16	36
PATH 101/8KFD-ELS	4	100	1 ¼	32	285	130	ball bearing (C)	8	1 7/16	36
PATH 100/8KF-ELS	4	100	1 ¼	32	285	130	ball bearing (C)	8	1 13/16	46
PATH 100/8KFD-ELS	4	100	1 ¼	32	285	130	ball bearing (C)	8	1 13/16	46
PATH 100/10KF-ELS	4	100	1 ¼	32	285	130	ball bearing (C)	10	1 13/16	46
PATH 100/10KFD-ELS	4	100	1 ¼	32	285	130	ball bearing (C)	10	1 13/16	46
PATH 126/8KF-ELS	5	125	1 ¼	32	350	160	ball bearing (C)	8	1 7/16	36
PATH 126/8KFD-ELS	5	125	1 ¼	32	350	160	ball bearing (C)	8	1 7/16	36
PATH 125/8KF-ELS	5	125	1 ¼	32	350	160	ball bearing (C)	8	1 13/16	46
PATH 125/8KFD-ELS	5	125	1 ¼	32	350	160	ball bearing (C)	8	1 13/16	46
PATH 125/10KF-ELS	5	125	1 ¼	32	350	160	ball bearing (C)	10	1 13/16	46
PATH 125/10KFD-ELS	5	125	1 ¼	32	350	160	ball bearing (C)	10	1 13/16	46
PATH 160/12KAD-ELS	6 5/16	160	1 5/16	40	570	260	ball bearing (C)	12	2 7/16	62
PATH 160/12KA-ELS	6 5/16	160	1 5/16	40	570	260	ball bearing (C)	12	2 7/16	62
PATH 200/12KAD-ELS	8	200	1 5/16	40	715	325	ball bearing (C)	12	2 7/16	62
PATH 200/12KA-ELS	8	200	1 5/16	40	715	325	ball bearing (C)	12	2 7/16	62

10

Caster series



	LRA-PATH...-ELS / LKRA-PATH...-ELS / LKRXA-PATH...-ELS	LKPA-PATH...-ELS / LKPXA-PATH...-ELS	L-PATH...-12-ELS	LER-PATH...-ELS / LEXR-PATH...-ELS	LE-PATH...-14-ELS / LK-PATH...-14-ELS
Page	53 / 55 / 57	61 / 63	65	69 / 71	73
Load capacity class					
Available for	Consult factory	Consult factory	Consult factory	Consult factory	Consult factory

PO...-ELS series

Nylon wheels
electrically conductive, non-marking

485–1,320 lbs RoHS

$\leq 10^4 \Omega$

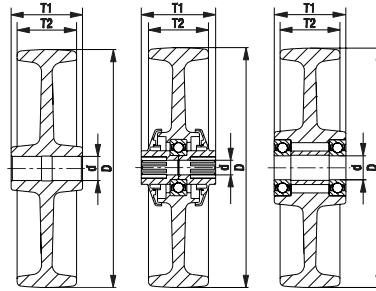


Tread and tire hardness
 70 Shore D

Smooth operation / floor preservation
 satisfactory

Rolling resistance
 excellent

Wear resistance
 good



Plain bore Ball bearing (C) Ball bearing KA version

Wheel:

- High-quality nylon 6, impact resistant, hardness 70 Shore D
- Excellent rolling and swivel resistance
- Easy operation on smooth surfaces
- High abrasion resistance
- Color gray, non-marking

Other features:

- KA version: with synthetic thread guard, small
- High chemical resistance to many aggressive substances
- Operating temperature: -5 °F to +175 °F, reduced load capacity over +95 °F
- Electrical conductivity (ohmic resistance) $\leq 10^4 \Omega$

Additional details:

- Wheel series: page 125
- Bearing types: page 21
- Chemical resistance: page 31

Wheels	Wheel Ø (D)		Wheel Width (T2)		Load Capacity		Bearing Type	Axle Bore Ø (d) [mm]	Hub Length (T1)	
	[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]			[inch]	[mm]
PO 80/12G-ELS	3 1/8	80	1 1/4	32	485	220	plain bore	12	1 3/8	35
PO 100/12G-ELS	4	100	1 7/16	37	615	280	plain bore	12	1 3/4	45
PO 100/15G-ELS	4	100	1 7/16	37	615	280	plain bore	15	1 3/4	45
PO 100/10KA-ELS	4	100	1 7/16	37	615	280	ball bearing (C)	10	1 13/16	46
PO 125/12G-ELS	5	125	1 9/16	40	660	300	plain bore	12	1 3/4	45
PO 125/15G-ELS	5	125	1 9/16	40	660	300	plain bore	15	1 3/4	45
PO 125/10KA-ELS	5	125	1 9/16	40	660	300	ball bearing (C)	10	1 13/16	46
PO 150/20G-ELS	6	150	2	50	880	400	plain bore	20	2 3/8	60
PO 150/20K-ELS	6	150	2	50	880	400	ball bearing	20	2 3/8	60
PO 160/20G-ELS	6 5/16	160	2	50	1,000	450	plain bore	20	2 3/8	60
PO 160/20K-ELS	6 5/16	160	2	50	1,000	450	ball bearing	20	2 3/8	60
PO 200/20G-ELS	8	200	2	50	1,320	600	plain bore	20	2 3/8	60
PO 200/20K-ELS	8	200	2	50	1,320	600	ball bearing	20	2 3/8	60

Caster series



	LKRXA-PO...-ELS	LKPXA-PO...-ELS	L-PO...-12-ELS	LER-PO...-ELS / LEXR-PO...-ELS	LE-PO...-14-ELS / LK-PO...-14-ELS	LEX-PO...-14-ELS	LEH-PO...-14-ELS
Page	57	63	66	69 / 71	73	80	82
Load capacity class							
Available for	Consult factory	Consult factory	Consult factory	Consult factory	Consult factory	Consult factory	Consult factory

ALEV...-SG-AS series

Heavy-duty wheels with elastic solid rubber tire "Blickle EasyRoll", with aluminum wheel center antistatic, non-marking

440–1,000 lbs

✓RoHS

≤ 10⁷ Ω

Tread and tire hardness

65 Shore A

Smooth operation / floor preservation

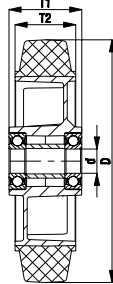
very good

Rolling resistance

very good

Wear resistance

good



Tire:

- High-quality elastic solid rubber "Blickle EasyRoll" in smooth rolling quality, hardness 65 Shore A
- Very good operational comfort
- Very good floor preservation, low-noise operation
- Low rolling resistance
- Color gray, non-marking
- Vulcanised onto the wheel center

Wheels	Wheel Ø (D)		Wheel width (T2)		Load capacity at 2.5 mph		Load capacity at 6.25 mph		Bearing type	Axle bore Ø (d) [mm]	Hub length (T1)	
	[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]	[lbs]	[kg]			[inch]	[mm]
ALEV 100/15K-SG-AS	4	100	1 1/6	40	440	200	–	–	ball bearing	15	1 1/6	40
ALEV 125/15K-SG-AS	5	125	1 1/6	40	550	250	–	–	ball bearing	15	1 3/4	45
ALEV 160/20K-SG-AS	6 5/8	160	2	50	770	350	375	170	ball bearing	20	2 3/8	60
ALEV 200/20K-SG-AS	8	200	2	50	1,000	450	485	220	ball bearing	20	2 3/8	60

Wheel center:

- Die-cast aluminum

Other features:

- High chemical resistance to many aggressive substances, except oils
- Operating temperature: -5 °F to +175 °F, temporarily up to +210 °F, reduced load capacity over +140 °F
- Electrical conductivity (ohmic resistance) ≤ 10⁷ Ω

Additional details:

- Wheel series: page 106
- Bearing types: page 21
- Chemical resistance: page 31

Caster series



	LER-ALEV...-SG-AS	LE-ALEV...-14 / LK-ALEV...-14	LKR-ALEV	LEH-ALEV...-14	LH-ALEV...-14 / LH-ALEV...-16	LHF-ALEV...-14 / LHF-ALEV...-16
Page	68	72	75	81	85	93
Load capacity class						
Available for	Consult factory	Consult factory	Consult factory	Consult factory	Consult factory	Consult factory

ALH...-AS series

Heavy-duty wheels with Blickle Extrathane® polyurethane tread, with aluminum wheel center, antistatic

440–2,755 lbs

✓RoHS

≤ 10⁷ Ω



Tread and tire hardness

92 Shore A

Smooth operation / floor preservation

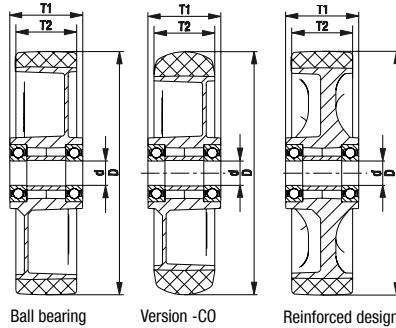
good

Rolling resistance

very good

Wear resistance

excellent



Tread:

- High-quality polyurethane elastomer Blickle Extrathane®, hardness 92 Shore A
- Low rolling resistance
- High abrasion resistance
- High cut and tear propagation resistance
- Color gray, non-marking, non-staining
- Excellent chemical connection with the wheel center

Wheel center:

- Die-cast aluminum

Other features:

- High chemical resistance to many aggressive substances
- Operating temperature: -5 °F to +160 °F, temporarily up to +195 °F, reduced load capacity over +105 °F
- Electrical conductivity (ohmic resistance) ≤ 10⁷ Ω

Additional details:

- Wheel series: page 110
- Bearing types: page 21
- Chemical resistance: page 31

Wheels	Wheel Ø (D)		Wheel width (T2)		Load capacity at 2.5 mph		Load capacity at 6.25 mph		Bearing type	Axle bore Ø (d) [mm]	Hub length (T1)	
	[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]	[lbs]	[kg]			[inch]	[mm]
ALH 80/15K-AS	3 1/8	80	1 1/8	30	440	200	–	–	ball bearing	15	1 3/8	35
ALH 100/15K-AS	4	100	1 1/16	40	770	350	–	–	ball bearing	15	1 3/4	45
ALH 101/15K-AS *	4	100	1 1/16	40	925	420	–	–	ball bearing	15	1 1/16	40
ALH 101/15K-AS-CO *, **	4	100	1 1/16	40	925	420	–	–	ball bearing	15	1 1/16	40
ALH 125/15K-AS	5	125	1 1/16	40	1,210	550	–	–	ball bearing	15	1 3/4	45
ALH 125/15K-AS-CO **	5	125	1 1/16	40	1,210	550	–	–	ball bearing	15	1 3/4	45
ALH 127/20K-AS	5	125	2 1/8	54	1,650	750	815	370	ball bearing	20	2 3/8	60
ALH 150/20K-AS	6	150	2	50	1,450	650	705	320	ball bearing	20	2 3/8	60
ALH 152/20K-AS *	6	150	2 1/8	54	1,980	900	1,000	450	ball bearing	20	2 3/8	60
ALH 162/20K-AS *	6 5/16	160	2	50	2,090	950	1,035	470	ball bearing	20	2 3/8	60
ALH 200/20K-AS	8	200	2	50	1,765	800	880	400	ball bearing	20	2 3/8	60
ALH 200/20K-AS-CO **	8	200	2	50	1,765	800	705	320	ball bearing	20	2 3/8	60
ALH 202/20K-AS *	8	200	2	50	2,205	1,000	1,100	500	ball bearing	20	2 3/8	60
ALH 252/25K-AS *	8	200	2 3/8	60	2,755	1,250	1,370	620	ball bearing	25	2 3/4	70

* Heavy duty wheel center, reinforced design

** With extra crowned running tread

Caster series



	LE-ALH...-14-AS / LK-ALH...-14-AS	LKR-ALH...-AS	LEH-ALH...-14-AS	LH-ALH...-14-AS / LH-ALH...-16-AS	LS-ALH...-16-AS	LHF-ALH...-14-AS / LHF-ALH...-16-AS
Page	74	77	83	87	90	93
Load capacity class						
Available for	Consult factory	Consult factory	Consult factory	Consult factory	Consult factory	Consult factory

ALST...-AS series

Heavy-duty wheels
with **Blickle Softhane®** polyurethane tread,
with aluminum wheel center, antistatic



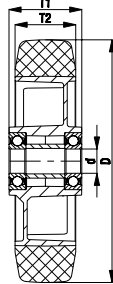
705–1,650 lbs ✓RoHS ≤ 10⁷ Ω

Tread and tire hardness
 75 Shore A

Smooth operation / floor preservation
 very good

Rolling resistance
 very good

Wear resistance
 very good



- Tread:**
- High-quality polyurethane elastomer Blickle Softhane®, hardness 75 Shore A
 - Extra-thick elastic tread for excellent operational comfort
 - Very good floor preservation, low-noise operation
 - Low rolling resistance
 - High abrasion resistance
 - High cut and tear propagation resistance
 - Color dark gray, non-marking, non-staining
 - Excellent chemical connection with the wheel center

Wheels	Wheel Ø (D)		Wheel width (T2)		Load capacity at 2.5 mph		Load capacity at 6.25 mph		Bearing type	Axle bore Ø (d) [mm]	Hub length (T1)	
	[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]	[lbs]	[kg]			[inch]	[mm]
ALST 100/15K-AS	4	100	1 1/8	40	705	320	–	–	ball bearing	15	1 1/8	40
ALST 125/15K-AS	5	125	1 1/8	40	815	370	–	–	ball bearing	15	1 1/4	45
ALST 127/20K-AS	5	125	2 1/8	54	1,000	450	400	180	ball bearing	20	2 3/8	60
ALST 150/20K-AS	6	150	2	50	1,100	500	440	200	ball bearing	20	2 3/8	60
ALST 160/20K-AS	6 5/8	160	2	50	1,280	580	500	230	ball bearing	20	2 3/8	60
ALST 200/20K-AS	8	200	2	50	1,650	750	660	300	ball bearing	20	2 3/8	60

- Wheel center:**
- Die-cast aluminum

- Other features:**
- High chemical resistance to many aggressive substances
 - Operating temperature: -5 °F to +160 °F, temporarily up to +195 °F, reduced load capacity over +105 °F
 - Electrical conductivity (ohmic resistance) ≤ 10⁷ Ω

- Additional details:**
- Wheel series: page 119
 - Bearing types: page 21
 - Chemical resistance: page 31



Caster series

	L-ALST...-12	LE-ALST...-14 / LK-ALST...-14	LKR-ALST	LEH-ALST...-14	LH-ALST...-14 / LH-ALST...-16	LHF-ALST...-14 / LHF-ALST...-16
Page	65	74	77	83	86	93
Load capacity class						
Available for	Consult factory	Consult factory	Consult factory	Consult factory	Consult factory	Consult factory

ALB...-ESD series

Heavy-duty wheels with Blickle Besthane® polyurethane tread, with aluminum wheel center, electrostatic discharge

880–1,765 lbs

✓RoHS

⚡ ≤ 10⁹ Ω

Tread and tire hardness

92 Shore A

Smooth operation / floor preservation

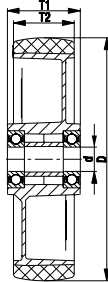
good

Rolling resistance

excellent

Wear resistance

excellent



Tread:

- High-quality polyurethane elastomer Blickle Besthane®, hardness 92 Shore A
- Very low rolling resistance
- **High dynamic load capacity**
- High abrasion resistance
- High cut and tear propagation resistance
- Color gray, non-marking, non-staining
- Excellent chemical connection with the wheel center

Wheel center:

- Die-cast aluminum

Other features:

- High chemical resistance to many aggressive substances
- Operating temperature: -5 °F to +160 °F, temporarily up to +195 °F, reduced load capacity over +105 °F
- Electrical sensitive discharge (ohmic resistance) ≤ 10⁹ Ω

Additional details:

- Wheel series: page 120
- Bearing types: page 21
- Chemical resistance: page 31

Wheels	Wheel Ø (D)		Wheel width (T2)		Load capacity at 2.5 mph		Load capacity at 6.25 mph		Load capacity at 10 mph		Bearing type	Axle bore Ø (d) [mm]	Hub length (T1)	
	[inch]	[mm]	[inch]	[mm]	[lbs]	[kg]	[lbs]	[kg]	[lbs]	[kg]			[inch]	[mm]
ALB 101/15K-ESD	4	100	1 1/8	40	880	400	–	–	–	–	ball bearing	15	1 1/8	40
ALB 125/15K-ESD	5	125	1 1/8	40	1,210	550	–	–	–	–	ball bearing	15	1 3/4	45
ALB 150/20K-ESD	6	150	2	50	1,430	650	705	320	530	240	ball bearing	20	2 3/8	60
ALB 160/20K-ESD	6 3/8	160	2	50	1,650	750	815	370	615	280	ball bearing	20	2 3/8	60
ALB 200/20K-ESD	8	200	2	50	1,765	800	880	400	660	300	ball bearing	20	2 3/8	60

Caster series



	LKR-ALB	LEH-ALB...-14	LH-ALB...-14 / LH-ALB...-16	LS-ALB...-16
Page	77	84	87	91
Load capacity class	📦📦	📦📦📦	📦📦📦📦	📦📦📦📦📦
Available for	Consult factory	Consult factory	Consult factory	Consult factory

Moving heavy loads safely and easily with ErgoMove®. The adaptive electric drive systems of Blicke.

Developed for perfect ergonomics

The Blicke ErgoMove series reduces health risks by requiring significantly less effort from the operator compared to manual pushing. The standard modular set consists of a cockpit with ergonomic handle, integrated control unit and exchangeable batteries, as well as two electrically driven rigid casters. It also has all the relevant safety features. Existing and newly designed equipment, workshop trolleys and other electrified means of transport can be quickly and easily retrofitted thanks to pre-assembled components via plug & play.

Product advantages in overview

- Drive, steering and braking assistance for loads up to 4,410 lbs (2,000 kg)
- Smooth movement no matter the trolley weight
- Comprehensive safety concept
- 24/7 operational
- Intuitive handling
- Simple to retrofit on existing carts



Intuitive operating handle with power sensor



Always ready for use due to the use of exchangeable batteries



Plug & play



Drive, steering and braking assistance

Special systems and solutions

In addition to our standard range, we supply many tailor-made solutions for customer-specific applications. These individual solutions are developed in close cooperation with our customers. State-of-the-art technology such as development tools (3D-CAD), linear and non-linear finite element and simulation programs, flexible and powerful production equipment, precise measuring and testing equipment, close relationships with established institutes as well as our many years of experience as manufacturers ensure the development of high-quality wheels and casters.

Our wide range of standard products allows us to realize solutions for customer-specific problems often from standard parts, so even custom-built versions can be produced cost-effectively. Minimum quantities may be required for a special version, which may vary depending on the wheel or caster design. Please ask for a quote, giving technical requirements and quantities required. The products mentioned below show a small selection from our versatile range of special versions.

1 Heavy-duty swivel caster for cleaning equipment



- Outdoor application
- Caster screwed on vertically with special fixing tab

2 Heavy-duty wheel for chain drives



- Polyurethane tread
- Cast wheel centers with hub fitting for pinion

3 Heavy-duty spring-loaded twin wheel swivel caster for aircraft maintenance



- Suspension makes it possible to lower the caster under load

4 Triple caster for stage equipment



- Triple caster for optimised rotation
- Low mounting height
- Black rig surface finish

5 Rigid caster with dead man's brake



- Brake can be controlled with cable pull or Bowden cable
- Dead man's brake on the tread

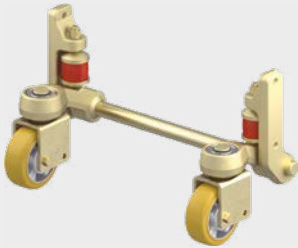
6 Swivel caster with no offset for 4-wheel steering



- Swivel caster with no offset for pivoting the wheel on the spot
- Fixing tab for forced steering of the caster

Special systems and solutions

7 Suspension unit for industrial trucks



- Ensures optimal load on the drive wheel
- Adjustable spring tension

8 Triple wheels swivel caster



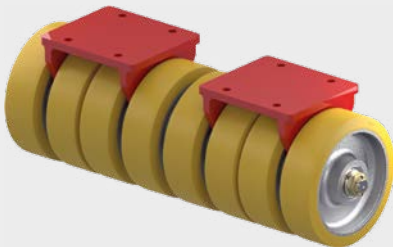
- Particularly good floor preservation due to extremely low floor pressure

9 Spring-loaded heavy-duty swivel caster for trailer applications



- No offset, making it possible to swivel on the spot
- Fixing tab for forced steering of the caster

10 Eight rigid casters for heavy loads



- Excellent load capacity and low mounting height

11 Swivel caster with tread wiper



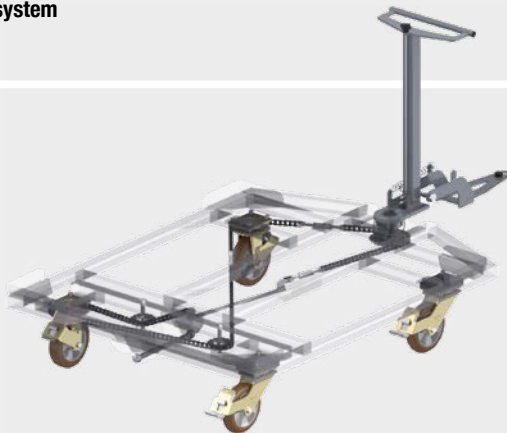
- Brush for cleaning the wheel tread

12 Precision swivel caster for AGV



- Very compact design, extremely low mounting height tolerance
- Special ball bearing swivel head for excellent operational performance

13 Chain steering system



- Precise maneuvering of pushed trailers in tight spaces with minimum effort
- 90° lateral motion possible
- Precise and tight turning circles for pulled units
- Primarily for trailers with a total weight of 660–2,205 lbs and max. speed of 3.7 mph

Blickle product code system

Blickle product codes have the following structure:

Wheels

Each product code begins with a letter or combination of letters referring to a specific Blickle wheel series. This is followed by the wheel diameter. The number after the slash is the axle diameter.

If there is a third number after a hyphen, it is the hub length.

The final letters **G**, **R**, **K** and **PR** stand for the different wheel bearings (**G** - plain bore, **R** - roller bearing, **K** - ball bearing and **PR** - spherical roller bearing). The final letters **KA** and **KF** stand for a ball bearing with an integrated synthetic thread guard.

Any additional combinations of letters designate versions or options.

Product code: ALBS 200/20K-CO	ALBS	200	20	K	CO
Wheel series: Heavy duty wheels with Blickle Besthane Soft polyurethane tread					
Wheel diameter: 200 mm (8")					
Axle bore diameter: 20 mm					
Wheel bearing: Ball bearing in the wheel hub					
Option: With extra crowned running tread					

Swivel and rigid casters

Each Blickle swivel rig series begins with an **L** or **HR** for levelling casters. Each Blickle rigid rig series uses a combination of letters beginning with a **B**.

The product codes for rigid casters and swivel casters therefore comprise the code for the rig series and the code for the wheel series.

The next number usually indicates the wheel diameter. The letters **G**, **R**, **K** and **PR** indicate the wheel bearing. The final letters **KA** and **KF** stand for a ball bearing with an integrated synthetic thread guard.

Any number at the end is used to distinguish between different top plate fitting, bolt hole and stem designs.

Any additional combinations of letters designate versions or options.

Product code: LEH-POEV 200K-14-FI-SG	LEH	POEV	200	K	14	FI	SG
Rig series: Pressed steel casters, medium-duty version, with top plate							
Wheel series: Heavy duty elastic rubber wheel							
Wheel diameter: 200 mm (8")							
Wheel bearing: Ball bearing in the wheel hub							
Fitting: Top plate No. 14 (4" x 4 1/2")							
Option: 'stop-fix' brake							
Option: Non-marking gray rubber tire							

Versions / options

Letters and / or numbers are added to the product code for different versions, e.g. special wheels (non-marking gray tires, electrically conductive, etc.) and options (e.g. brake systems, thread guards, etc.). These are listed under "Versions / options" on the relevant pages (see "Product code suffix").

Alphabetic product / series number list

Series Numbers	Page	Series Numbers	Page	Series Numbers	Page	Series Numbers	Page
ALB	120	BKS-ALBS	74	LE-PATH	73	LKRA-POA	55
ALB-ESD	155	BKS-ALEV	72	LE-POEV-SG	72	LKRA-TPA	54
ALBS	121	BKS-ALST	74	LE-POG	73	LKRA-VSTH	55
ALES	104	BKS-ALTH	74	LE-POTH	73	LKRXA-PATH	57
ALEV	106	BKS-PATH	73	LEH-ALB	84	LKRXA-PO	57
ALEV-EL	148	BKS-POEV-SG	72	LEH-ALBS	84	LKRXA-TPA	56
ALEV-SG-AS	152	BKS-POG	73	LEH-ALEV	81	LKX-POBS	79
ALST	119	BKS-POTH	73	LEH-ALST	83	LKX-POEV-SG	78
ALST-AS	154	BKSX-POBS	79	LEH-ALTH	83	LKX-POTH	79
ALTH	110	BKSX-POEV-SG	78	LEH-POEV-SG	81	LKX-SPOG	80
ALTH-AS	153	BKSX-POTH	79	LEH-POG	82	LKX-TPA	78
B-ALST	65	BKSX-SPOG	80	LEH-POTH	83	LPA-VSTH	61
B-ALTH	65	BKSX-TPA	78	LEH-SPOG	82	LRA-PATH	53
B-GEV-TB-SG	101	BS-ALB	91	LER-ALEV	68	LRA-POA	53
B-GEV-TM-SG	101	BS-ALBS	91	LER-PATH	69	LRA-TPA	52
B-GST-TB	101	BS-ALTH	90	LER-POEV-SG	68	LRA-VPA	52
B-GST-TM	101	BS-GB	91	LER-POG	69	LRA-VSTH	53
B-GTH-TB	101	BS-GSPO	92	LER-TPA	68	LS-ALB	91
B-GTH-TM	101	BS-GST	90	LEX-POBS	79	LS-ALBS	91
B-PATH	65	BS-GTH	90	LEX-POES	78	LS-ALTH	90
B-POEV-SB	64	BS-SE	89	LEX-POEV-SG	78	LS-GB	91
B-POEV-SG	64	BS-SPOG	92	LEX-POG	80	LS-GSPO	92
B-POG	66	BSEV	141	LEX-POTH	79	LS-GST	90
B-POHI	95	BSFE-GB	94	LEX-TPA	78	LS-GTH	90
B-POSI	95	BSFE-GST	94	LEXR-PATH	71	LS-SE	89
B-POW	66	BSFE-GTH	94	LEXR-POEV-SG	70	LS-SPOG	92
B-TPA	64	BSFE-SE	94	LEXR-POG	71	LSFE-GB	94
B-VLE	67	BX-POHI	97	LEXR-TPA	70	LSFE-GST	94
BB	141	BX-POSI	97	LH-ALB	87	LSFE-GTH	94
BEHS-ALB	84	DSPK	131	LH-ALEV	85	LSFE-SE	94
BEHS-ALBS	84	DSPKGSP0	132	LH-ALST	86	LWG-TPA	50
BEHS-ALEV	81	ErgoMove®	156-158	LH-ALTH	87	LWGX-TPA	50
BEHS-ALST	83	Expandable adapter fittings	58-59	LH-GSPO	88	PATH	108
BEHS-ALTH	83	FF	45	LH-GTH	87	PATH-ELS	150
BEHS-POEV-SG	81	FSTH	136	LH-POTH	86	PO	125
BEHS-POG	82	FTH	135	LH-SPOG	88	POG	125
BEHS-POTH	83	GB	120	LHF-ALEV-SG	93	PO-ELS	151
BEHS-SPOG	82	GSPO	128	LHF-ALST	93	POA	124
BES-ALBS	74	GST	119	LHF-ALTH	93	POBS	121
BES-ALES	72	GTH	111	LKPXA-POH	96	POES	104
BES-ALEV	72	GTH-US	112-116, 118	LKPXA-POHI	96	POEV	105
BES-ALST	74	GTHN	117	LI-POHI	95	POEV-SB	105
BES-ALTH	74	HPO	139	LI-POSI	95	POEV-SG	105
BES-PATH	73	HRLK-ALTH	99	LIX-POHI	97	POG	125
BES-POEV-SG	72	HRLK-POG	99	LIX-POSI	97	POH	134
BES-POG	73	HRLK-POG-F	99	LK-ALBS	74	POHI	134
BES-POTH	73	HRLK-SPOG	99	LK-ALEV	72	POSI	133
BESX-POBS	79	HRLK-SPOG-HN	99	LK-ALST	74	POTH	109
BESX-POES	78	HPO	139	LK-ALTH	74	POW	127
BESX-POEV-SG	78	HTH	137	LK-PATH	73	RB	141
BESX-POG	80	HTHW	138	LK-POEV-SG	72	REV	141
BESX-POTH	79	L-ALST	65	LK-POG	73	RTH	140-141
BESX-TPA	78	L-ALTH	65	LK-POTH	73	SE	106
BEV	141	L-GEV-TM13-SG	100	LKDG-PATH	51	Specials	158-159
BHF-ALEV-SG	93	L-GEV-TTM13-SG	100	LKDGX-PATH	51	SPK	129
BHF-ALST	93	L-GST-TM13	100	LKPA-PATH	61	SPKGSP0	130
BHF-ALTH	93	L-GST-TTM13	100	LKPA-POA	61	SPOG	126
BHS-ALB	87	L-GTH-TM13	100	LKPA-TPA	60	TPA	107
BHS-ALEV	85	L-GTH-TTM13	100	LKPA-VSTH	61	TPA-ELS	149
BHS-ALST	86	L-PATH	65	LKPXA-PATH	63	VLE	122
BHS-ALTH	87	L-POEV-SB	64	LKPXA-PO	63	VPA	107
BHS-GSPO	88	L-POEV-SG	64	LKPXA-TPA	62	VSTH	110
BHS-GTH	87	L-POG	66	LKR-ALB	77	WH	45
BHS-POTH	86	L-POW	66	LKR-ALBS	77		
BHS-SPOG	88	L-TPA	64	LKR-ALEV-SG	75		
BKPA-PATH	61	L-VLE	67	LKR-ALST	77		
BKPA-POA	61	LE-ALBS	74	LKR-ALTH	77		
BKPA-TPA	60	LE-ALES	72	LKR-POEV-SG	75		
BKPXA-PATH	63	LE-ALEV	72	LKR-POTH	76		
BKPXA-PO	63	LE-ALST	74	LKR-SPOG	76		
BKPXA-TPA	62	LE-ALTH	74	LKRA-PATH	55		

Blickle product information

When assessing the manufacturer's liability and obligations regarding its products, all the information and notes on Blickle products available in our current catalog and on our website must be observed. Failure to do so releases the manufacturer from liability.

1.0 Product information and intended use

Wheels and casters are defined as components that are exchangeable and can be attached to units, furniture, transport systems or similar products to render them mobile.

This product information relates to wheels and casters, particularly passively-steered casters (swivel casters), for vehicles and equipment that are temporarily moved by hand (objects) at no faster than walking pace 2.5 mph (4 km/h) and not for permanent operation.

Within the context of this product information, wheels and casters are used in the following areas:

Residential:

- E.g. seating, domestic furniture

Service Sector:

- General services, e.g. trolleys, office furniture
- Hospitals, e.g. hospital beds

Industrial:

- E.g. transport units for medium and heavy loads

Intended use includes proper installation:

- The product must be fastened to the object at all available points.
- The object must be adequately stable at these points.
- The installation must not impede or alter the functionality of the product.
- Swivel casters must be installed in such a way that they pivot around a vertical axis.
- Rigid casters must be installed in such a manner that their wheel axles are aligned.
- All casters on an object must have the same mounting height. In case rigid casters are also fitted, only the casters recommended by the manufacturer for this purpose may be installed.
- Wheels made of thermoplastic polyurethane (TPE) contain oil and can cause contact discoloration on sensitive surfaces.

Special versions must be used for wet rooms, applications in the vicinity of the sea, equipment exposed to the elements or in aggressive environments that lead to increased corrosion.

Unless a further temperature range for standard products is specified in our respective current catalog or on our website www.blickle.us, Blickle products are suitable for use in a temperature range between 40 °F (5 °C) and 105 °F (30 °C). For use outside this temperature range, the products must be specified in special design. Standard products must not be exposed to the rated load under these conditions.

The wheel, bracket, brake and axle options form a single functional unit. Blickle only assumes liability for original products.

Clients must take all possible loads into consideration when selecting casters. If they are not taken into consideration, additional safety factors should be used (see Wheel and caster guide on page 24).

2.0 Incorrect use

The following situations are some examples where wheels and casters are being used incorrectly:

- The wheels and casters are used to carry loads in excess of the maximum load capacity on our website in the catalog.
- The product is used on an unsuitable and uneven floor.
- The product is used at temperatures that are too high or too low.
- A unit is forcibly moved when the brake is activated or if the brake is used to slow down.
- The product could be affected by particularly aggressive substances.
- The product is affected by unusually severe loads as a result of impact or falls.
- Foreign bodies could penetrate the press-on band.
- The wheels and casters are operated at an excessively high speed.
- Changes are made that were not approved by the manufacturer.
- The wheels and casters are exposed to mechanical damage due to external factors or a collision.
- Application of excessive lateral forces.
- The locking of our locking casters of all series is not intended for securing transport and loading in trucks, cars or similar means of transport. Violation of this instruction may result in damage to the locking function.

3.0 Product performance

If no specific information is provided about product performance on our website or in our catalogs, brochures, service descriptions, etc., you must contact us to determine if our wheels and casters or their components meet your requirements. Please refer to the relevant DIN, ISO and EN standards for guidance. Customer-specific designs may deviate from the requirements defined in the relevant standards. Differing from the standard approach for wheels and casters, the brake forces of casters with brake systems are designed to ensure the optimal balance between high brake forces and low actuation forces.

4.0 Product maintenance

Recommended annual maintenance / inspection:

- Lubricant should be added once a year for products with a grease nipple until a small amount of grease comes out of the bearings. We recommend using a multi-purpose calcium complex based grease (such as Renolit CX-EP 2) with a temperature range of between -20 °F (-30 °C) and +285 °F (+140 °C). We recommend using a different grease if the product is used in different application conditions.
- Check that all of the screw fittings are secure.
- Check that the wheel, swivel head, lock, directional lock, brakes and other options are functioning properly.
- Check the play of the wheel bearing and swivel head, ideally in accordance with DIN EN 12530 to 12533 (ISO 22881 to ISO 22884).
- Check the air pressure of pneumatic tires in accordance with the Blickle website or catalog.
- Inspect solid rubber tires and treads for wear and abrasion. For guidance: max. abrasion < 1/2 thread thickness.

We recommend performing the above measures more frequently if you are using the products in non-standard application conditions.

Cleaning agents may only be used if they do not contain any substances that may cause damage or corrosion.

Casters and their components must be replaced as soon as they start functioning incorrectly.

5.0 Product conformity

Up-to-date information about guidelines and standards related to product safety requirements and technical market access requirements (e.g. ATEX, REACH, RoHS, PAK/GS) is available at www.blickle.us.

6.0 Obligation to provide information and instructions

In order to comply with our obligation to provide information, instructions and maintenance guidance in accordance with the Product Liability Act, we provide the following:

- For retailers: catalogs and our website with product and user information
- For processors: catalogs and our website with product and user information
- For users: product and user information

Additional information is available on our website: www.blickle.us.

In order to make sure that wheels and casters function properly

- Retailers are obliged to comply with this product information (see 1.0–5.0) and the user information. They are also required to request this information from the manufacturer and pass it on to processors if necessary.
- Processors are obliged to comply with this product information (see 1.0–5.0) and the user information. They are also required to request this information from the manufacturer and pass it on to users if necessary.

Diagrams, drawings, dimensions, etc. are subject to change and are therefore provided on a non-binding basis. We reserve the right to make design-related changes in the interest of technical progress.

Regarding product information on the Blickle ErgoMove-System, please refer to the corresponding (technical) information on our website.

The sale of all Blickle USA Products are exclusively subject to the BLICKLE USA WHEELS AND CASTERS, INC. GENERAL TERMS AND CONDITIONS OF SALE (please refer to www.blickle.us/en-us/general-terms-and-conditions). Blickle USA expressly rejects any different or additional terms or conditions contained in any documents submitted by Buyer.



910686 | Edition A1 | 02/2023

Blickle U.S.A. Wheels and Casters Inc. · 75 Coweta Industrial Parkway · Newnan, GA 30265
Phone 888-558-7878 · Fax 470-414-2332 · Email info@blickle.us · www.blickle.us

