

# Wheels and castors guide

## Blickle wheel series

### Wheels for light-duty and transport equipment castors



Series	TPA	VPA	POES	ALES
<b>Wheel Ø</b>	50–200 mm	50–150 mm	80–200 mm	150–250 mm
<b>Load capacity</b>	50–250 kg	40–130 kg	110–350 kg	280–440 kg
<b>Tread / tyre</b>	high-quality thermoplastic rubber-elastomer (TPE), colour grey (see page 52 for a material description)	high-quality solid rubber, colour grey (see page 52 for a material description)	high-quality elastic solid rubber "Blickle SoftMotion", colour grey (see page 53 for a material description)	high-quality elastic solid rubber "Blickle SoftMotion", colour grey (see page 53 for a material description)
<b>Wheel centre / rim</b>	high-quality polypropylene, impact resistant, colour silver grey ("ELS" version colour black)	high-quality nylon 6 or polypropylene in the version "-EL", impact resistant, colour black	high-quality nylon 6, impact resistant, colour black	die-cast aluminium, colour silver grey
<b>Connection tread / tyre with wheel centre / rim</b>	chemically bonded	pressed-on tyre	vulcanised tyre	vulcanised tyre
<b>Tread &amp; tyre hardness</b>	85 Shore A	80 Shore A	55 Shore A	55 Shore A
<b>Floor preservation / smooth operation</b>	good	very good	excellent	excellent
<b>Rolling resistance</b>	very good	good	very good	very good
<b>Wear resistance</b>	satisfactory	sufficient	good	good
<b>Non-marking</b>	✓	✓	✓	✓
<b>Temperature resistance</b>	-20 °C to +60 °C	-20 °C to +60 °C	-20 °C to +80 °C temporarily up to +100 °C	-20 °C to +80 °C temporarily up to +100 °C
<b>Bearing types (refer to page 84–85)</b>	plain bore, roller bearing, ball bearing (C)	plain bore, ball bearing	ball bearing (C), ball bearing (CC)	ball bearing
<b>Options</b>	<ul style="list-style-type: none"> <li>electrically conductive, non-marking, grey (-ELS)</li> <li>thread guard with ball bearing seal (-KFD)</li> <li>stainless steel roller bearing (-XR)</li> </ul>	<ul style="list-style-type: none"> <li>electrically conductive, black tyre, marking (-EL)</li> <li>thread guard (-FA)</li> </ul>	<ul style="list-style-type: none"> <li>thread guard with ball bearing seal (-KAD / -KFD)</li> <li>stainless steel ball bearing and thread guard (-XKA / -XKF)</li> </ul>	
<b>Additional considerations</b>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +30 °C</li> <li>wheels with ball bearing (C) with integrated synthetic thread guard as standard</li> <li>oil containing, staining possible</li> </ul>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +30 °C</li> </ul>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +35 °C</li> <li>wheels with ball bearing (C) and ball bearing (CC) with integrated synthetic thread guard as standard</li> </ul>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +60 °C</li> </ul>
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Series	PATH	POA	VPP	VE
<b>Wheel Ø</b>	50–200 mm	35–150 mm	80–400 mm	80–200 mm
<b>Load capacity</b>	75–500 kg	75–280 kg	50–350 kg	50–205 kg
<b>Tread / tyre</b>	high-quality thermoplastic polyurethane (TPU), colour dark grey (see page 55 for a material description)	high-quality nylon 6, impact resistant, colour black (see page 57 for a material description)	standard solid rubber, colour black (see page 52 for a material description)	standard solid rubber, colour black (see page 52 for a material description)
<b>Wheel centre / rim</b>	high-quality nylon 6, impact resistant, colour silver grey	high-quality nylon 6, impact resistant, colour black	high-quality polypropylene, impact resistant, colour black	pressed steel, zinc-plated, blue-passivated, Cr6-free
<b>Connection tread / tyre with wheel centre / rim</b>	chemically bonded		pressed-on tyre	tyre pressed with rim
<b>Tread &amp; tyre hardness</b>	94 Shore A	70 Shore D	80 Shore A	80 Shore A
<b>Floor preservation / smooth operation</b>	good	satisfactory	very good	very good
<b>Rolling resistance</b>	very good	excellent	satisfactory	satisfactory
<b>Wear resistance</b>	very good	good	sufficient	sufficient
<b>Non-marking</b>	✓	✓	optional	optional
<b>Temperature resistance</b>	-20 °C to +70 °C temporarily up to +90 °C	-20 °C to +80 °C	-20 °C to +60 °C	-25 °C to +80 °C
<b>Bearing types (refer to page 84–85)</b>	plain bore, roller bearing, ball bearing (C)	plain bore, ball bearing (C)	plain bore, roller bearing, ball bearing	roller bearing
<b>Options</b>	<ul style="list-style-type: none"> <li>electrically conductive, non-marking, grey (-ELS)</li> <li>thread guard with ball bearing seal (-KAD / -KFD)</li> </ul>		<ul style="list-style-type: none"> <li>non-marking, grey tyre (-SG)</li> <li>stainless steel roller bearing (-XR)</li> <li>STARLOCK® cap made from stainless steel (ST-KA...)</li> <li>thread guard (-FA)</li> </ul>	<ul style="list-style-type: none"> <li>non-marking, grey tyre (-SG)</li> <li>electrically conductive (-EL)</li> <li>thread guard (-FA)</li> </ul>
<b>Additional considerations</b>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +35 °C</li> <li>wheels with ball bearing (C) with integrated synthetic thread guard as standard</li> </ul>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +35 °C</li> </ul>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +30 °C</li> </ul>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +60 °C</li> </ul>
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# Wheels and castors guide

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### Wheels for transport equipment and heavy-duty castors



Series	V	VWPP	VW	RD
<b>Wheel Ø</b>	80–400 mm	125–260 mm	125–260 mm	100–280 mm
<b>Load capacity</b>	50–800 kg	50–200 kg	50–200 kg	100–650 kg
<b>Tread / tyre</b>	standard solid rubber, colour black (see page 52 for a material description)	soft rubber “Blickle Soft”, round profile, colour black, wheel Ø 260 mm with additional hard rubber core (see page 52 for a material description)	soft rubber “Blickle Soft”, round profile, colour black, wheel Ø 260 mm with additional hard rubber core (see page 52 for a material description)	two-component solid rubber “Blickle Comfort”, hard rubber core and highly elastic tread, colour black (see page 53 for a material description)
<b>Wheel centre / rim</b>	pressed steel, strong rim structure with tubular steel hub, bolted or pressed, zinc-plated, blue-passivated, Cr6-free	high-quality polypropylene, impact resistant, colour black	pressed steel, strong rim structure with tubular steel hub, bolted or pressed, zinc-plated, blue-passivated, Cr6-free	pressed steel, strong rim structure with tubular steel hub, bolted or pressed, zinc-plated, blue-passivated, Cr6-free
<b>Connection tread / tyre with wheel centre / rim</b>	tyre pressed with rim	pressed-on tyre	tyre pressed with rim	tyre pressed with rim
<b>Tread &amp; tyre hardness</b>	80 Shore A	50 Shore A	50 Shore A	65 Shore A
<b>Floor preservation / smooth operation</b>	very good	excellent	excellent	very good
<b>Rolling resistance</b>	satisfactory	good	good	good
<b>Wear resistance</b>	sufficient	satisfactory	satisfactory	satisfactory
<b>Non-marking</b>	optional	optional	optional	optional
<b>Temperature resistance</b>	-20 °C to +80 °C	-20 °C to +60 °C	-20 °C to +80 °C	-20 °C to +80 °C
<b>Bearing types (refer to page 84–85)</b>	plain bore, roller bearing, ball bearing	plain bore, roller bearing, ball bearing	roller bearing, ball bearing	roller bearing, ball bearing
<b>Options</b>	<ul style="list-style-type: none"> <li>• non-marking, grey tyre (-SG)</li> <li>• electrically conductive (-EL)</li> <li>• thread guard (-FA)</li> </ul>	<ul style="list-style-type: none"> <li>• non-marking, grey tyre (-SG)</li> <li>• stainless steel roller bearing (-XR)</li> <li>• thread guard (-FA)</li> </ul>	<ul style="list-style-type: none"> <li>• non-marking, grey tyre (-SG)</li> <li>• thread guard (-FA)</li> </ul>	<ul style="list-style-type: none"> <li>• non-marking, grey tyre, 56 Shore A (-VLI)</li> <li>• thread guard (-FA)</li> </ul>
<b>Additional considerations</b>	<ul style="list-style-type: none"> <li>• the load capacity reduces at ambient temperatures above +60 °C</li> <li>• centrally-pressed rim: special impact and shock-resistant design</li> <li>• award-winning design (“Die gute Industrieform”)</li> </ul>	<ul style="list-style-type: none"> <li>• the load capacity reduces at ambient temperatures above +30 °C</li> </ul>	<ul style="list-style-type: none"> <li>• the load capacity reduces at ambient temperatures above +60 °C</li> <li>• centrally-pressed rim: special impact and shock-resistant design</li> <li>• award-winning design (“Die gute Industrieform”)</li> </ul>	<ul style="list-style-type: none"> <li>• the load capacity reduces at ambient temperatures above +60 °C</li> <li>• centrally-pressed rim: special impact and shock-resistant design</li> <li>• award-winning design (“Die gute Industrieform”)</li> </ul>
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### Wheels for transport equipment and heavy-duty castors



Series	POEV	ALEV	SE	GEV
<b>Wheel Ø</b>	60–300 mm	100–250 mm	80–415 mm	250–620 mm
<b>Load capacity</b>	120–650 kg	200–650 kg	200–1,150 kg	870–4,540 kg
<b>Tread / tyre</b>	high-quality elastic solid rubber "Blickle EasyRoll" in smooth rolling quality, colour black (see page 53 for a material description)	high-quality elastic solid rubber "Blickle EasyRoll" in smooth rolling quality, colour black (see page 53 for a material description)	high-quality elastic solid rubber "Blickle EasyRoll" in smooth rolling quality, colour black (see page 53 for a material description)	high-quality elastic solid rubber in smooth rolling quality, colour black (see page 53 for a material description)
<b>Wheel centre / rim</b>	high-quality nylon 6, impact resistant, colour black	die-cast aluminium, colour silver grey	thick-walled pressed steel, with tubular steel hub, triple welded, lacquered, colour anthracite (version -SG: lacquered, silver colour) wheel Ø 80–125 mm made from high-quality nylon 6, impact resistant, colour black	rugged grey cast iron, with grease nipple, lacquered, colour anthracite
<b>Connection tread / tyre with wheel centre / rim</b>	vulcanised tyre	vulcanised tyre	vulcanised or steel-wire reinforced tyre, pressed-on	steel-wire reinforced tyre, pressed-on
<b>Tread &amp; tyre hardness</b>	65 Shore A	65 Shore A	65 Shore A	65 Shore A
<b>Floor preservation / smooth operation</b>	very good	very good	very good	very good
<b>Rolling resistance</b>	very good	very good	very good	very good
<b>Wear resistance</b>	good	good	good	good
<b>Non-marking</b>	optional	optional	optional	optional
<b>Temperature resistance</b>	-20 °C to +80 °C temporarily up to +100 °C	-20 °C to +80 °C temporarily up to +100 °C	-20 °C to +80 °C temporarily up to +100 °C	-20 °C to +80 °C temporarily up to +100 °C
<b>Bearing types (refer to page 84–85)</b>	plain bore, roller bearing, ball bearing (C), ball bearing (CC), ball bearing	ball bearing	ball bearing	ball bearing
<b>Options</b>	<ul style="list-style-type: none"> <li>• non-marking, grey tyre (-SG)</li> <li>• non-marking, blue tyre (-SB)</li> <li>• electrically conductive (-EL)</li> <li>• stainless steel roller bearing (-XR)</li> <li>• thread guard with ball bearing seal (-KAD / -KFD)</li> <li>• stainless steel ball bearing and thread guard (-XKA / -XKF)</li> <li>• thread guard (-FA)</li> </ul>	<ul style="list-style-type: none"> <li>• non-marking, grey tyre (-SG)</li> <li>• antistatic, non-marking, grey tyre (-SG-AS)</li> <li>• electrically conductive (-EL)</li> </ul>	<ul style="list-style-type: none"> <li>• non-marking, grey tyre (-SG)</li> <li>• grease nipple (-NI)</li> </ul>	<ul style="list-style-type: none"> <li>• non-marking, natural colour tyre (-SN)</li> <li>• hub cap for use as end wheel (-E)</li> <li>• drive wheel with hub keyway (see series GEVN)</li> <li>• hub fitting wheel (see series GEVA) (see series GEVA)</li> </ul>
<b>Additional considerations</b>	<ul style="list-style-type: none"> <li>• the load capacity reduces at ambient temperatures above +35 °C</li> <li>• electrically conductive version (-EL) with increased rolling resistance</li> <li>• wheels with ball bearing (C) and ball bearing (CC) with integrated synthetic thread guard as standard</li> </ul>	<ul style="list-style-type: none"> <li>• the load capacity reduces at ambient temperatures above +60 °C</li> <li>• electrically conductive version (-EL) with increased rolling resistance</li> <li>• speeds up to a maximum of 10 km/h are permitted with a reduced load capacity</li> </ul>	<ul style="list-style-type: none"> <li>• the load capacity reduces at ambient temperatures above +60 °C</li> <li>• wheel centre particularly resistant to dirt, impact and shocks</li> <li>• speeds up to a maximum of 10 km/h are permitted with a reduced load capacity</li> </ul>	<ul style="list-style-type: none"> <li>• the load capacity reduces at ambient temperatures above +60 °C</li> <li>• wheel centre is approximately 4 mm wider than the specified wheel width</li> <li>• speeds up to a maximum of 16 km/h are permitted with a reduced load capacity</li> </ul>
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### Wheels for transport equipment and heavy-duty castors



Series	DS	PK	P	PS
<b>Wheel Ø</b>	300–500 mm	200–400 mm	180–415 mm	300–536 mm
<b>Load capacity</b>	1,800–4,580 kg	75–250 kg	50–525 kg	450–1,300 kg
<b>Tread / tyre</b>	high-quality elastic solid rubber in smooth rolling quality, colour black (see page 53 for a material description)	pneumatic tyre, ribbed or zig-zag profile, 2-ply rating, colour black (see page 54 for a material description)	pneumatic tyre, ribbed or zig-zag profile, 2 or 4 ply rating, colour black (see page 54 for a material description)	pneumatic tyre, zig-zag profile, 6, 8 or 10 ply rating, colour black (see page 54 for a material description)
<b>Wheel centre / rim</b>	very strong welded steel construction, with tubular steel hub, with grease nipple, lacquered, colour anthracite	high-quality polypropylene, impact resistant, colour black	pressed steel, bolted (flat base rim) or triple welded drop base rim, zinc-plated, blue-passivated, Cr6-free or lacquered, colour silver	heavy pressed steel, bolted (flat base rim), with welded tubular steel hub, zinc-plated, blue-passivated, Cr6-free
<b>Connection tread / tyre with wheel centre / rim</b>	steel-wire reinforced tyre, pressed-on	tyre mounted on rim	tyre mounted on rim	tyre mounted on rim
<b>Tread &amp; tyre hardness</b>	65 Shore A	60 Shore A	60 Shore A	60 Shore A
<b>Floor preservation / smooth operation</b>	very good	excellent	excellent	excellent
<b>Rolling resistance</b>	very good	good	good	good
<b>Wear resistance</b>	good	satisfactory	satisfactory	satisfactory
<b>Non-marking</b>	–	–	optional	–
<b>Temperature resistance</b>	-20 °C to +80 °C temporarily up to +100 °C	-20 °C to +40 °C	-20 °C to +50 °C	-20 °C to +50 °C
<b>Bearing types (refer to page 84–85)</b>	ball bearing	plain bore, roller bearing, ball bearing	plain bore, roller bearing, ball bearing	ball bearing
<b>Options</b>	<ul style="list-style-type: none"> <li>hub cap for use as end wheel (-E)</li> <li>drive wheel with hub keyway (see series DSN)</li> </ul>	<ul style="list-style-type: none"> <li>rim colour red (-ROT)</li> <li>puncture-proof soft rubber wheel (see series VWPP)</li> </ul>	<ul style="list-style-type: none"> <li>non-marking, grey tyre (-SG)</li> <li>puncture-proof foam-filled tyre (-AG), slightly reduced compression and operational comfort</li> <li>hub cap for use as end wheel (-E)</li> <li>puncture-proof soft rubber wheel (see series VW)</li> <li>hub fitting wheel (see series PA)</li> </ul>	<ul style="list-style-type: none"> <li>hub cap for use as end wheel (-E)</li> </ul>
<b>Additional considerations</b>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +60 °C</li> <li>wheel centre is approximately 4 mm wider than the specified wheel width</li> <li>speeds up to a maximum of 16 km/h are permitted with a reduced load capacity</li> </ul>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +30 °C</li> <li>wheel width and diameter can change during operation</li> </ul>	<ul style="list-style-type: none"> <li>speeds up to a maximum of 16 km/h are permitted with a reduced load capacity</li> <li>wheel width and diameter can change during operation</li> </ul>	<ul style="list-style-type: none"> <li>speeds up to a maximum of 25 km/h are permitted with a reduced load capacity</li> <li>wheel width and diameter can change during operation</li> </ul>
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### Wheels for transport equipment and heavy-duty castors



Series	VLE	POTH	POTHs	ALTH
<b>Wheel Ø</b>	250–525 mm	75–250 mm	100–200 mm	80–250 mm
<b>Load capacity</b>	450–1,885 kg	200–1,000 kg	200–550 kg	200–1,250 kg
<b>Tread / tyre</b>	super-elastic solid rubber, 2-component or 3-component tyres, tough rubber core, highly elastic, abrasion-resistant tread, colour black (see page 54 for a material description)	high-quality thermoplastic polyurethane (TPU), colour dark grey (see page 55 for a material description)	high-quality thermoplastic polyurethane (TPU), colour blue (see page 55 for a material description)	high-quality polyurethane elastomer Blickle Extrathane®, colour light brown (see page 55 for a material description)
<b>Wheel centre / rim</b>	heavy pressed steel, bolted, with welded tubular steel hub or reinforced rim version, zinc-plated, blue-passivated, Cr6-free	high-quality nylon 6, impact resistant, colour natural white	high-quality nylon 6, impact resistant, colour natural white	die-cast aluminium, colour silver grey
<b>Connection tread / tyre with wheel centre / rim</b>	steel-wire reinforced tyre, mounted on rim	chemically bonded	chemically bonded	cast tread
<b>Tread &amp; tyre hardness</b>	70 Shore A	94 Shore A	80 Shore A	92 Shore A
<b>Floor preservation / smooth operation</b>	very good	good	very good	good
<b>Rolling resistance</b>	good	very good	very good	very good
<b>Wear resistance</b>	good	very good	good	excellent
<b>Non-marking</b>	optional	✓	✓	✓
<b>Temperature resistance</b>	-20 °C to +80 °C temporarily up to +100 °C	-20 °C to +70 °C temporarily up to +90 °C	-20 °C to +70 °C temporarily up to +90 °C	-20 °C to +70 °C temporarily up to +90 °C
<b>Bearing types (refer to page 84–85)</b>	ball bearing	plain bore, roller bearing, ball bearing (C), ball bearing	plain bore, roller bearing, ball bearing (C), ball bearing	ball bearing
<b>Options</b>	<ul style="list-style-type: none"> <li>non-marking, grey tyre (-SG)</li> <li>antistatic, black tyre (-AS)</li> <li>hub cap for use as end wheel (-E)</li> <li>hub fitting wheel (see series VLEA) (see series VLEA)</li> </ul>	<ul style="list-style-type: none"> <li>stainless steel roller bearing (-XR)</li> <li>stainless steel ball bearing (-XK)</li> <li>stainless steel ball bearing and thread guard (-XKA)</li> <li>thread guard with ball bearing seal (-KAD)</li> <li>thread guard (-FA)</li> </ul>	<ul style="list-style-type: none"> <li>stainless steel roller bearing (-XR)</li> <li>stainless steel ball bearing (-XK)</li> <li>stainless steel ball bearing and thread guard (-XKA)</li> <li>thread guard (-FA)</li> </ul>	<ul style="list-style-type: none"> <li>extremely crowned tread (-CO)</li> <li>antistatic, non-marking, grey (-AS)</li> </ul>
<b>Additional considerations</b>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +60 °C</li> <li>wheel width and diameter can change during operation</li> <li>speeds up to a maximum of 25 km/h are permitted with a reduced load capacity</li> <li>puncture-proof and maintenance-free</li> </ul>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +35 °C</li> <li>wheels with ball bearing (C) with integrated synthetic thread guard as standard</li> </ul>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +35 °C</li> <li>wheels with ball bearing (C) with integrated synthetic thread guard as standard</li> </ul>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +40 °C</li> <li>speeds up to a maximum of 10 km/h are permitted with a reduced load capacity</li> </ul>
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### Wheels for transport equipment and heavy-duty castors



Series	SETH	VSTH	GTH	ALST
<b>Wheel Ø</b>	125–250 mm	35–125 mm	100–1,000 mm	80–300 mm
<b>Load capacity</b>	500–1,350 kg	100–540 kg	450–30,000 kg	200–1,150 kg
<b>Tread / tyre</b>	high-quality polyurethane elastomer Blickle Extrathane®, colour light brown (see page 55 for a material description)	high-quality polyurethane elastomer Blickle Extrathane®, colour light brown (see page 55 for a material description)	high-quality polyurethane elastomer Blickle Extrathane®, colour light brown (see page 55 for a material description)	high-quality polyurethane elastomer Blickle Softthane®, colour green (see page 55 for a material description)
<b>Wheel centre / rim</b>	thick-walled pressed steel, triple welded, with tubular steel hub, lacquered, colour silver	steel	rugged grey cast iron, with grease nipple from wheel Ø 150 mm, lacquered, colour silver	die-cast aluminium, colour silver grey
<b>Connection tread / tyre with wheel centre / rim</b>	cast tread	cast tread	cast tread	cast tread
<b>Tread &amp; tyre hardness</b>	92 Shore A	92 Shore A	92 Shore A	75 Shore A
<b>Floor preservation / smooth operation</b>	good	good	good	very good
<b>Rolling resistance</b>	very good	very good	very good	very good
<b>Wear resistance</b>	excellent	excellent	excellent	very good
<b>Non-marking</b>	✓	✓	✓	✓
<b>Temperature resistance</b>	-20 °C to +70 °C temporarily up to +90 °C	-20 °C to +70 °C temporarily up to +90 °C	-20 °C to +70 °C temporarily up to +90 °C	-20 °C to +70 °C temporarily up to +90 °C
<b>Bearing types (refer to page 84–85)</b>	ball bearing	ball bearing	ball bearing, spherical roller bearing	ball bearing
<b>Options</b>	<ul style="list-style-type: none"> <li>grease nipple (-NI)</li> </ul>		<ul style="list-style-type: none"> <li>antistatic, non-marking, grey (-AS)</li> <li>drive wheel with hub keyway (see series GTHN)</li> </ul>	<ul style="list-style-type: none"> <li>antistatic, non-marking, grey (-AS)</li> <li>extremely crowned tread (-CO)</li> </ul>
<b>Additional considerations</b>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +40 °C</li> <li>wheel centre particularly resistant to dirt, impact and shocks</li> <li>speeds up to a maximum of 10 km/h are permitted with a reduced load capacity</li> </ul>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +40 °C</li> </ul>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +40 °C</li> <li>speeds up to a maximum of 10 km/h are permitted with a reduced load capacity</li> </ul>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +40 °C</li> <li>speeds up to a maximum of 10 km/h are permitted with a reduced load capacity</li> </ul>
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### Wheels for transport equipment and heavy-duty castors



Series	GST	ALB	VSB	GB
<b>Wheel Ø</b>	125–400 mm	100–250 mm	80 mm	100–1,000 mm
<b>Load capacity</b>	450–3,000 kg	400–1,250 kg	500 kg	450–30,000 kg
<b>Tread / tyre</b>	high-quality polyurethane elastomer Blickle Softhane®, colour green (see page 55 for a material description)	high-quality polyurethane elastomer Blickle Besthane®, colour brown (see page 56 for a material description)	high-quality polyurethane elastomer Blickle Besthane®, colour brown (see page 56 for a material description)	high-quality polyurethane elastomer Blickle Besthane®, colour brown (see page 56 for a material description)
<b>Wheel centre / rim</b>	rugged grey cast iron, with grease nipple from wheel Ø 160 mm, lacquered, colour silver	die-cast aluminium, colour silver grey	steel	rugged grey cast iron, with grease nipple from wheel Ø 150 mm, lacquered, colour silver
<b>Connection tread / tyre with wheel centre / rim</b>	cast tread	cast tread	cast tread	cast tread
<b>Tread &amp; tyre hardness</b>	75 Shore A	92 Shore A	92 Shore A	92 Shore A
<b>Floor preservation / smooth operation</b>	very good	good	good	good
<b>Rolling resistance</b>	very good	excellent	excellent	excellent
<b>Wear resistance</b>	very good	excellent	excellent	excellent
<b>Non-marking</b>	✓	✓	✓	✓
<b>Temperature resistance</b>	-20 °C to +70 °C temporarily up to +90 °C	-20 °C to +70 °C temporarily up to +90 °C	-20 °C to +70 °C temporarily up to +90 °C	-20 °C to +70 °C temporarily up to +90 °C
<b>Bearing types (refer to page 84–85)</b>	ball bearing	ball bearing	ball bearing	ball bearing, spherical roller bearing
<b>Options</b>	<ul style="list-style-type: none"> <li>• antistatic, non-marking, grey (-AS)</li> <li>• drive wheel with hub keyway (see series GSTN)</li> <li>• hub fitting wheel (see series GSTA)</li> </ul>			<ul style="list-style-type: none"> <li>• electrically conductive, non-marking (-ELS)</li> <li>• cast nylon wheel centre, hydrolysis resistant, (see series GSPOB)</li> <li>• drive wheel with hub keyway (see series GBN)</li> <li>• hub fitting wheel (see series GBA)</li> </ul>
<b>Additional considerations</b>	<ul style="list-style-type: none"> <li>• the load capacity reduces at ambient temperatures above +40 °C</li> <li>• speeds up to a maximum of 10 km/h are permitted with a reduced load capacity</li> </ul>	<ul style="list-style-type: none"> <li>• the load capacity reduces at ambient temperatures above +40 °C</li> <li>• speeds up to a maximum of 16 km/h are permitted with a reduced load capacity</li> </ul>	<ul style="list-style-type: none"> <li>• the load capacity reduces at ambient temperatures above +40 °C</li> </ul>	<ul style="list-style-type: none"> <li>• the load capacity reduces at ambient temperatures above +40 °C</li> <li>• speeds up to a maximum of 16 km/h are permitted with a reduced load capacity</li> </ul>
<b>Page</b>	301	307	312	312–313, 569

# Wheels and castors guide

## Blickle wheel series

### Wheels for transport equipment and heavy-duty castors



Series	POBS	ALBS	GVU	PPN
<b>Wheel Ø</b>	80–200 mm	80–300 mm	100–400 mm	60–200 mm
<b>Load capacity</b>	140–500 kg	200–1,150 kg	450–3,000 kg	80–450 kg
<b>Tread / tyre</b>	high-quality polyurethane elastomer Blickle Besthane® Soft, colour blue (see page 56 for a material description)	high-quality polyurethane elastomer Blickle Besthane® Soft, colour blue (see page 56 for a material description)	high-quality polyurethane elastomer Vulkollan®, colour natural (see page 56 for a material description)	high-quality polypropylene, impact resistant, colour natural white (see page 57 for a material description)
<b>Wheel centre / rim</b>	high-quality nylon 6, impact resistant, colour black	die-cast aluminium, colour silver grey	rugged grey cast iron, with grease nipple from wheel Ø 150 mm, lacquered, colour silver	high-quality polypropylene, impact resistant, colour natural white
<b>Connection tread / tyre with wheel centre / rim</b>	cast tread	cast tread	cast tread	
<b>Tread &amp; tyre hardness</b>	■ ■ ■ ■ ■ 75 Shore A	■ ■ ■ ■ ■ 75 Shore A	■ ■ ■ ■ ■ 92 Shore A	■ ■ ■ ■ ■ 60 Shore D
<b>Floor preservation / smooth operation</b>	■ ■ ■ ■ ■ very good	■ ■ ■ ■ ■ very good	■ ■ ■ ■ ■ good	■ ■ ■ ■ ■ satisfactory
<b>Rolling resistance</b>	■ ■ ■ ■ ■ excellent	■ ■ ■ ■ ■ excellent	■ ■ ■ ■ ■ very good	■ ■ ■ ■ ■ very good
<b>Wear resistance</b>	■ ■ ■ ■ ■ very good	■ ■ ■ ■ ■ very good	■ ■ ■ ■ ■ excellent	■ ■ ■ ■ ■ satisfactory
<b>Non-marking</b>	✓	✓	✓	✓
<b>Temperature resistance</b>	-20 °C to +70 °C temporarily up to +90 °C	-20 °C to +70 °C temporarily up to +90 °C	-20 °C to +70 °C temporarily up to +90 °C	-20 °C to +60 °C
<b>Bearing types (refer to page 84–85)</b>	ball bearing (C), ball bearing (CC)	ball bearing	ball bearing	plain bore, roller bearing
<b>Options</b>		<ul style="list-style-type: none"> <li>nylon wheel centre, hydrolysis resistant, (see series POBS)</li> <li>extremely crowned tread (-CO)</li> </ul>	<ul style="list-style-type: none"> <li>drive wheel with hub keyway (see series GVUN)</li> <li>hub fitting wheel (see series GVUA)</li> </ul>	<ul style="list-style-type: none"> <li>stainless steel roller bearing (-XR)</li> <li>electrically conductive (PP-EL series)</li> <li>thread guard (-FA)</li> <li>colour black (see PP series)</li> </ul>
<b>Additional considerations</b>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +35 °C</li> <li>wheels with ball bearing (C) and ball bearing (CC) with integrated synthetic thread guard as standard</li> </ul>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +40 °C</li> <li>speeds up to a maximum of 16 km/h are permitted with a reduced load capacity</li> </ul>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +40 °C</li> <li>speeds up to a maximum of 16 km/h are permitted with a reduced load capacity</li> </ul>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +30 °C</li> </ul>
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# Wheels and castors guide

## Blickle wheel series

### Wheels for transport equipment and heavy-duty castors



Series	PP	POW	PO	SPO
<b>Wheel Ø</b>	60–200 mm	100–125 mm	50–300 mm	75–250 mm
<b>Load capacity</b>	80–450 kg	200–220 kg	75–1,500 kg	300–2,000 kg
<b>Tread / tyre</b>	high-quality polypropylene, impact resistant, colour black (see page 57 for a material description)	high-quality nylon 6, impact resistant, colour white (see page 57 for a material description)	high-quality nylon 6, impact resistant, colour natural white (see page 57 for a material description)	high-quality nylon 6, impact resistant, extremely robust heavy-duty version, colour natural white (see page 57 for a material description)
<b>Wheel centre / rim</b>	high-quality polypropylene, impact resistant, colour black	high-quality nylon 6, impact resistant, colour white highly elastic cushion layer made from elastic solid rubber, colour red	high-quality nylon 6, impact resistant, colour natural white	high-quality nylon 6, impact resistant, colour natural white
<b>Connection tread / tyre with wheel centre / rim</b>		highly elastic encapsulated cushion layer		
<b>Tread &amp; tyre hardness</b>	60 Shore D	70 Shore D	70 Shore D	70 Shore D
<b>Floor preservation / smooth operation</b>	satisfactory	satisfactory	satisfactory	satisfactory
<b>Rolling resistance</b>	very good	very good	excellent	excellent
<b>Wear resistance</b>	satisfactory	good	good	good
<b>Non-marking</b>	✓	✓	✓	✓
<b>Temperature resistance</b>	-20 °C to +60 °C	-20 °C to +80 °C	-20 °C to +80 °C	-20 °C to +80 °C
<b>Bearing types (refer to page 84–85)</b>	plain bore, roller bearing, ball bearing (C), ball bearing	ball bearing (C)	plain bore, roller bearing, ball bearing (C), ball bearing	plain bore, ball bearing
<b>Options</b>	<ul style="list-style-type: none"> <li>electrically conductive, black (-EL)</li> <li>stainless steel roller bearing (-XR)</li> <li>thread guard (-FA)</li> <li>colour natural white (see PPN series)</li> </ul>	<ul style="list-style-type: none"> <li>thread guard with ball bearing seal (-KFD)</li> </ul>	<ul style="list-style-type: none"> <li>electrically conductive, non-marking, grey (-ELS)</li> <li>stainless steel roller bearing (-XR)</li> <li>stainless steel ball bearing (-XK)</li> <li>stainless steel ball bearing and thread guard (-XKA)</li> <li>grease nipple (-NI)</li> <li>colour blue, non-marking (C5017)</li> <li>thread guard (-FA)</li> </ul>	<ul style="list-style-type: none"> <li>stainless steel ball bearing (-XK)</li> <li>grease nipple (-NI)</li> <li>thread guard (-FA)</li> </ul>
<b>Additional considerations</b>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +30 °C</li> <li>wheels with ball bearing (C) with integrated synthetic thread guard as standard</li> </ul>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +35 °C</li> <li>good noise absorption, absorbs impact and shocks</li> <li>with integrated synthetic thread guard as standard</li> <li>sandwich wheel</li> </ul>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +35 °C</li> <li>wheels with ball bearing (C) with integrated synthetic thread guard as standard</li> </ul>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +35 °C</li> </ul>
<b>Page</b>	336, 434	340	343–344, 435, 567	355–356

## Wheels and castors guide

### Blickle wheel series

#### Wheels for heavy-duty castors / heat-resistant wheels



Series	GSP0	G	SVS	VEHI
Wheel Ø	35–1,000 mm	80–250 mm	65–300 mm	100–200 mm
Load capacity	100–50,000 kg	250–1,400 kg	750–15,000 kg	65–180 kg
Tread / tyre	high-quality cast nylon, impact resistant, colour natural beige (see page 57 for a material description)	rugged grey cast iron, lacquered, colour silver (see page 59 for a material description)	heat-treatable steel, lightly-oiled surface (see page 59 for a material description)	highly heat-resistant solid rubber Blickle TempLine® Basic, colour black (see page 52 for a material description)
Wheel centre / rim	high-quality cast nylon, impact resistant, colour natural beige	rugged grey cast iron, with grease nipple	heat-treatable steel	pressed steel, zinc-plated, blue-passivated, Cr6-free
Connection tread / tyre with wheel centre / rim				tyre pressed with rim
Tread & tyre hardness	80 Shore D	180–220 HB	190–230 HB	80 Shore A
Floor preservation / smooth operation	satisfactory	sufficient	sufficient	very good
Rolling resistance	excellent	excellent	excellent	satisfactory
Wear resistance	very good	excellent	excellent	sufficient
Non-marking	✓	–	✓	–
Temperature resistance	-20 °C to +80 °C	-100 °C to +600 °C	-20 °C to +120 °C	-25 °C to +200 °C
Bearing types (refer to page 84–85)	ball bearing, spherical roller bearing	plain bore, ball bearing	ball bearing	roller bearing
Options	<ul style="list-style-type: none"> <li>plain bore for static loads or very low speeds</li> <li>stainless steel ball bearing (-XK)</li> <li>spherical roller bearing (-PR) for applications requiring extensive travel</li> </ul>	<ul style="list-style-type: none"> <li>heat-resistant ball bearing (oven bearing, -IK)</li> </ul>	<ul style="list-style-type: none"> <li>spherical roller bearing (-PR) for applications requiring extensive travel</li> </ul>	
Additional considerations	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +35 °C</li> </ul>	<ul style="list-style-type: none"> <li>plain bore: provide adequate lubrication on a regular basis</li> <li>the primary purpose of coating is to protect the wheel during transport and storage. Coating remains resistant up to +120 °C</li> </ul>		<ul style="list-style-type: none"> <li>majority of tyre flattening recovers when in motion under load</li> <li>passivation may be altered slightly in high temperatures, corrosion protection will remain unaffected</li> </ul>
Page	368	376, 436, 468	382, 437	442

# Wheels and castors guide

## Blickle wheel series

### Heat-resistant wheels



Series	VKHT	POSI	ALSI	POH
<b>Wheel Ø</b>	100 mm	100–125 mm	100 mm	80–200 mm
<b>Load capacity</b>	100 kg	80–120 kg	100 kg	215–720 kg
<b>Tread / tyre</b>	highly heat-resistant solid rubber Blickle TempLine® Special, colour black (see page 52 for a material description)	highly heat-resistant silicone rubber Blickle TempLine® Comfort, colour black (see page 53 for a material description)	highly heat-resistant silicone rubber Blickle TempLine® Comfort, colour black (see page 53 for a material description)	highly heat-resistant nylon Blickle TempLine® PerformanceLight, impact resistant, colour natural (see page 57 for a material description)
<b>Wheel centre / rim</b>	highly heat-resistant nylon 6, impact resistant, colour black	highly heat-resistant thermoplastic, impact resistant, colour dark grey	die-cast aluminium, colour silver grey	highly heat-resistant Blickle TempLine® PerformanceLight nylon, impact resistant, colour natural
<b>Connection tread / tyre with wheel centre / rim</b>	pressed-on tyre	vulcanised tyre	vulcanised tyre	
<b>Tread &amp; tyre hardness</b>	■ ■ ■ ■ ■ 85 Shore A	■ ■ ■ ■ ■ 75 Shore A	■ ■ ■ ■ ■ 75 Shore A	■ ■ ■ ■ ■ 85 Shore D
<b>Floor preservation / smooth operation</b>	■ ■ ■ ■ ■ good	■ ■ ■ ■ ■ very good	■ ■ ■ ■ ■ very good	■ ■ ■ ■ ■ satisfactory
<b>Rolling resistance</b>	■ ■ ■ ■ ■ satisfactory	■ ■ ■ ■ ■ good	■ ■ ■ ■ ■ good	■ ■ ■ ■ ■ excellent
<b>Wear resistance</b>	■ ■ ■ ■ ■ satisfactory	■ ■ ■ ■ ■ satisfactory	■ ■ ■ ■ ■ satisfactory	■ ■ ■ ■ ■ good
<b>Non-marking</b>	–	✓	✓	✓
<b>Temperature resistance</b>	-30 °C to +260 °C	-20 °C to +250 °C	-25 °C to +250 °C	-25 °C to +170 °C
<b>Bearing types (refer to page 84–85)</b>	plain bore	plain bore	plain bore, ball bearing	plain bore, ball bearing
<b>Options</b>	<ul style="list-style-type: none"> <li>PTFE coated stainless steel axle tube (-XAT)</li> </ul>	<ul style="list-style-type: none"> <li>non-marking, grey tyre (-SG)</li> <li>PTFE coated stainless steel axle tube (-XAT)</li> </ul>	<ul style="list-style-type: none"> <li>PTFE coated stainless steel axle tube (-XAT)</li> </ul>	<ul style="list-style-type: none"> <li>PTFE coated stainless steel axle tube (-XAT)</li> <li>stainless steel ball bearing with heat-resistant special grease (-HXX)</li> <li>heavy-duty wheel centre for higher loads (series SPOH)</li> </ul>
<b>Additional considerations</b>	<ul style="list-style-type: none"> <li>oven temperature temporarily up to +300 °C, wheel temperature must not exceed +260 °C</li> <li>tyre flattening recovers when in motion under load</li> </ul>	<ul style="list-style-type: none"> <li>oven temperature temporarily up to +300 °C, wheel temperature must not exceed +250 °C</li> <li>suitable for autoclaves</li> </ul>	<ul style="list-style-type: none"> <li>oven temperature temporarily up to +300 °C, wheel temperature must not exceed +250 °C</li> <li>ball bearing with heat-resistant special grease (HK) and ball bearing cover (HKA)</li> </ul>	<ul style="list-style-type: none"> <li>oven temperature temporarily up to +200 °C, wheel temperature must not exceed +170 °C</li> <li>suitable for autoclaves (plain bore version and version with stainless steel ball bearing with heat-resistant special grease (-HXX))</li> <li>long-term use in high temperatures may cause the colour to change, but will not affect load capacity</li> </ul>
<b>Page</b>	445	448	448	453

## Wheels and castors guide

### Blickle wheel series

#### Heat-resistant wheels / guide rollers



Series	POHI	PHN	FPU	FPTH
<b>Wheel Ø</b>	80–200 mm	80–200 mm	25–60 mm	60–125 mm
<b>Load capacity</b>	180–600 kg	100–500 kg	15–100 kg	110–290 kg
<b>Tread / tyre</b>	highly heat-resistant thermoplastic Blickle TempLine® Performance, impact resistant, colour dark grey (see page 57 for a material description)	phenolic resin Blickle TempLine® Classic, impact resistant, colour black (see page 58 for a material description)	high-quality thermoplastic polyurethane (TPU), colour brown (see page 55 for a material description)	high-quality thermoplastic polyurethane (TPU), colour dark grey (see page 55 for a material description)
<b>Wheel centre / rim</b>	highly heat-resistant thermoplastic, impact resistant, colour dark grey	Blickle TempLine® Classic phenolic resin, impact resistant, colour black		high-quality nylon 6, impact resistant, colour silver grey
<b>Connection tread / tyre with wheel centre / rim</b>			tread directly injected onto the ball bearing	chemically bonded
<b>Tread &amp; tyre hardness</b>	■ ■ ■ ■ ■ ■ ■ ■ 85 Shore D	■ ■ ■ ■ ■ ■ ■ ■ 90 Shore D	■ ■ ■ ■ ■ ■ ■ ■ 98 Shore A	■ ■ ■ ■ ■ ■ ■ ■ 92 Shore A
<b>Floor preservation / smooth operation</b>	■ ■ ■ ■ ■ ■ ■ ■ satisfactory	■ ■ ■ ■ ■ ■ ■ ■ satisfactory	■ ■ ■ ■ ■ ■ ■ ■ good	■ ■ ■ ■ ■ ■ ■ ■ good
<b>Rolling resistance</b>	■ ■ ■ ■ ■ ■ ■ ■ excellent	■ ■ ■ ■ ■ ■ ■ ■ excellent	■ ■ ■ ■ ■ ■ ■ ■ very good	■ ■ ■ ■ ■ ■ ■ ■ very good
<b>Wear resistance</b>	■ ■ ■ ■ ■ ■ ■ ■ satisfactory	■ ■ ■ ■ ■ ■ ■ ■ sufficient	■ ■ ■ ■ ■ ■ ■ ■ very good	■ ■ ■ ■ ■ ■ ■ ■ very good
<b>Non-marking</b>	✓	–	✓	✓
<b>Temperature resistance</b>	-25 °C to +250 °C	-35 °C to +260 °C temporarily up to +300 °C	-20 °C to +70 °C temporarily up to +90 °C	-20 °C to +70 °C temporarily up to +90 °C
<b>Bearing types (refer to page 84–85)</b>	plain bore, ball bearing	plain bore, ball bearing	ball bearing	ball bearing
<b>Options</b>	<ul style="list-style-type: none"> <li>PTFE coated stainless steel axle tube (-XAT)</li> <li>stainless steel ball bearing with heat-resistant special grease (-HXK)</li> </ul>	<ul style="list-style-type: none"> <li>PTFE coated stainless steel axle tube (-XAT)</li> </ul>	<ul style="list-style-type: none"> <li>electrically conductive, non-marking (-ELS)</li> <li>stainless steel ball bearing (-XK)</li> </ul>	<ul style="list-style-type: none"> <li>electrically conductive, non-marking (-ELS)</li> <li>stainless steel ball bearing (-XK)</li> </ul>
<b>Additional considerations</b>	<ul style="list-style-type: none"> <li>suitable for autoclaves (plain bore version and version with stainless steel ball bearing with heat-resistant special grease (-HXK))</li> </ul>	<ul style="list-style-type: none"> <li>wheels are only conditionally suitable for uneven floors and crossing thresholds</li> </ul>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +35 °C</li> </ul>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +35 °C</li> <li>hydrolysis resistant</li> </ul>
<b>Page</b>	458	463	514	515

# Wheels and castors guide

## Blickle wheel series

### Guide rollers



Series	FTH	FSTH	FPOB	FSVU
<b>Wheel Ø</b>	30–75 mm	40–125 mm	80–125 mm	40–100 mm
<b>Load capacity</b>	25–150 kg	60–375 kg	160–375 kg	70–250 kg
<b>Tread / tyre</b>	high-quality polyurethane elastomer Blickle Extrathane®, colour light brown (see page 55 for a material description)	high-quality polyurethane elastomer Blickle Extrathane®, colour light brown (see page 55 for a material description)	high-quality polyurethane elastomer Blickle Besthane®, colour brown (see page 56 for a material description)	high-quality polyurethane elastomer Vulkollan®, colour natural (see page 56 for a material description)
<b>Wheel centre / rim</b>		steel	high-quality nylon 6, impact resistant, colour black	steel
<b>Connection tread / tyre with wheel centre / rim</b>	tread directly casted onto the ball bearing	cast tread	cast tread	cast tread
<b>Tread &amp; tyre hardness</b>	■ ■ ■ ■ ■ 92 Shore A	■ ■ ■ ■ ■ 92 Shore A	■ ■ ■ ■ ■ 92 Shore A	■ ■ ■ ■ ■ 92 Shore A
<b>Floor preservation / smooth operation</b>	■ ■ ■ ■ ■ good	■ ■ ■ ■ ■ good	■ ■ ■ ■ ■ good	■ ■ ■ ■ ■ good
<b>Rolling resistance</b>	■ ■ ■ ■ ■ very good	■ ■ ■ ■ ■ very good	■ ■ ■ ■ ■ excellent	■ ■ ■ ■ ■ very good
<b>Wear resistance</b>	■ ■ ■ ■ ■ excellent	■ ■ ■ ■ ■ excellent	■ ■ ■ ■ ■ excellent	■ ■ ■ ■ ■ excellent
<b>Non-marking</b>	✓	✓	✓	✓
<b>Temperature resistance</b>	-20 °C to +70 °C temporarily up to +90 °C	-20 °C to +70 °C temporarily up to +90 °C	-20 °C to +70 °C	-20 °C to +70 °C temporarily up to +90 °C
<b>Bearing types (refer to page 84–85)</b>	ball bearing	ball bearing	ball bearing	ball bearing
<b>Options</b>	<ul style="list-style-type: none"> <li>stainless steel ball bearing (-XK)</li> </ul>	<ul style="list-style-type: none"> <li>antistatic, non-marking, grey (-AS)</li> <li>with aluminium wheel centre (series FALTH)</li> </ul>	<ul style="list-style-type: none"> <li>stainless steel ball bearing (-XK)</li> </ul>	<ul style="list-style-type: none"> <li>stainless steel ball bearing (-XK)</li> </ul>
<b>Additional considerations</b>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +40 °C</li> </ul>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +40 °C</li> </ul>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +35 °C</li> <li>speeds up to a maximum of 10 km/h are permitted with a reduced load capacity</li> <li>hydrolysis resistant</li> </ul>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +40 °C</li> <li>speeds up to a maximum of 10 km/h are permitted with a reduced load capacity</li> </ul>
<b>Page</b>	516	517	518	519

# Wheels and castors guide

## Blickle wheel series

### Guide rollers / flanged wheels



Series	FPO	SPKGSP0	SPK	SPKVS
<b>Wheel Ø</b>	25–125 mm	50–250 mm	50–250 mm	50–400 mm
<b>Load capacity</b>	40–530 kg	220–3,000 kg	400–3,500 kg	500–9,000 kg
<b>Tread / tyre</b>	high-quality nylon 6, impact resistant, colour natural white (see page 57 for a material description)	high-quality cast nylon, impact resistant, colour natural beige (see page 57 for a material description)	rugged grey cast iron, colour silver (see page 59 for a material description)	heat-treatable steel, lightly-oiled surface (see page 59 for a material description)
<b>Wheel centre / rim</b>		high-quality cast nylon, impact resistant, colour natural beige	rugged grey cast iron, with grease nipple from wheel Ø 125 mm	heat-treatable steel
<b>Connection tread / tyre with wheel centre / rim</b>	tread directly injected onto the ball bearing			
<b>Tread &amp; tyre hardness</b>	70 Shore D	80 Shore D	180–220 HB	190–230 HB
<b>Floor preservation / smooth operation</b>	satisfactory	satisfactory	sufficient	sufficient
<b>Rolling resistance</b>	excellent	excellent	excellent	excellent
<b>Wear resistance</b>	good	very good	excellent	excellent
<b>Non-marking</b>	✓	✓	–	✓
<b>Temperature resistance</b>	-20 °C to +80 °C	-20 °C to +80 °C	-100 °C to +600 °C	-20 °C to +120 °C
<b>Bearing types (refer to page 84–85)</b>	ball bearing	plain bore, ball bearing	plain bore, ball bearing	ball bearing
<b>Options</b>	<ul style="list-style-type: none"> <li>electrically conductive, non-marking, grey (-ELS)</li> <li>stainless steel ball bearing (-XK)</li> </ul>	<ul style="list-style-type: none"> <li>stainless steel ball bearing (-XK)</li> <li>drive wheel with hub keyway (see series SPKGSPON)</li> </ul>	<ul style="list-style-type: none"> <li>heat-resistant ball bearing (oven bearing, -IK)</li> </ul>	<ul style="list-style-type: none"> <li>heat-resistant ball bearing (oven bearing, -IK)</li> <li>spherical roller bearing (-PR) for applications requiring extensive travel</li> <li>drive wheel with hub keyway (see series SPKVSN)</li> </ul>
<b>Additional considerations</b>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +35 °C</li> </ul>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +35 °C</li> <li>load capacities apply for rail profiles A 45, A 55 (DIN 536)</li> </ul>	<ul style="list-style-type: none"> <li>plain bore: provide adequate lubrication on a regular basis</li> <li>load capacities apply for rail profiles A 45, A 55 (DIN 536)</li> <li>the primary purpose of coating is to protect the wheel during transport and storage. Coating remains resistant up to +120 °C</li> </ul>	<ul style="list-style-type: none"> <li>load capacities apply for rail profiles A 45, A 55 and A 65 (DIN 536)</li> </ul>
<b>Page</b>	520	526	528	530

# Wheels and castors guide

## Blickle wheel series

### Flanged wheels / drive wheels



Series	DSPKGSP0	DSPK	GEVN	GTHN
Wheel Ø	50–200 mm	50–200 mm	160–620 mm	75–1,000 mm
Load capacity	50–700 kg	120–1,200 kg	300–4,540 kg	300–25,000 kg
Tread / tyre	high-quality cast nylon, impact resistant, colour natural beige (see page 57 for a material description)	heat-treatable steel, lightly-oiled surface (see page 59 for a material description)	high-quality elastic solid rubber in drive-quality, with steel-band, colour black, wheel Ø 400+500 mm: Smooth rolling quality, steel-wire reinforced (see page 53 for a material description)	high-quality polyurethane elastomer Blickle Extrathane®, colour light brown (see page 55 for a material description)
Wheel centre / rim	high-quality cast nylon, impact resistant, colour natural beige	heat-treatable steel	rugged grey cast iron, axle bore and hub keyway in accordance with DIN 6885, lacquered, colour anthracite	rugged grey cast iron, axle bore and hub keyway in accordance with DIN 6885, lacquered, colour silver
Connection tread / tyre with wheel centre / rim			steel-wired reinforced or pressed-on steel-band tyre	cast tread
Tread & tyre hardness	80 Shore D	190–230 HB	65 Shore A	92 Shore A
Floor preservation / smooth operation	satisfactory	sufficient	very good	good
Rolling resistance	excellent	excellent	good	very good
Wear resistance	very good	excellent	satisfactory	excellent
Non-marking	✓	✓	–	✓
Temperature resistance	-20 °C to +80 °C	-20 °C to +120 °C	-30 °C to +80 °C temporarily up to +100 °C	-30 °C to +70 °C temporarily up to +90 °C
Bearing types (refer to page 84–85)	plain bore, ball bearing	ball bearing	hub keyway	hub keyway
Options	• stainless steel ball bearing (-XK)		• pressed-on steel band in friction wheel quality (-STR)	• antistatic, non-marking, grey (-AS)
Additional considerations	• the load capacity reduces at ambient temperatures above +35 °C		• the load capacity reduces at ambient temperatures above +60 °C • wheel centre is approximately 4 mm wider than the specified wheel width • speeds up to a maximum of 16 km/h are permitted with a reduced load capacity	• the load capacity reduces at ambient temperatures above +40 °C • speeds up to a maximum of 10 km/h are permitted with a reduced load capacity
Page	532	534	540	541–542

# Wheels and castors guide

## Blickle wheel series

### Drive wheels



Series	GSTN	GBN	GVUN	SPKVSN
<b>Wheel Ø</b>	75–500 mm	100–1,000 mm	100–400 mm	200–300 mm
<b>Load capacity</b>	200–4,200 kg	400–25,000 kg	400–3,400 kg	2,500–7,000 kg
<b>Tread / tyre</b>	high-quality polyurethane elastomer Blickle Softhane®, colour green (see page 55 for a material description)	high-quality polyurethane elastomer Blickle Besthane®, colour brown (see page 56 for a material description)	high-quality polyurethane elastomer Vulkollan®, colour natural (see page 56 for a material description)	heat-treatable steel, lightly-oiled surface (see page 59 for a material description)
<b>Wheel centre / rim</b>	rugged grey cast iron, axle bore and hub keyway in accordance with DIN 6885, lacquered, colour silver	rugged grey cast iron, axle bore and hub keyway in accordance with DIN 6885, lacquered, colour silver	rugged grey cast iron, axle bore and hub keyway in accordance with DIN 6885, lacquered, colour silver	heat-treatable steel, axle bore and hub keyway in accordance with DIN 6885
<b>Connection tread / tyre with wheel centre / rim</b>	cast tread	cast tread	cast tread	
<b>Tread &amp; tyre hardness</b>	75 Shore A	92 Shore A	92 Shore A	190–230 HB
<b>Floor preservation / smooth operation</b>	very good	good	good	sufficient
<b>Rolling resistance</b>	very good	excellent	very good	excellent
<b>Wear resistance</b>	very good	excellent	excellent	excellent
<b>Non-marking</b>	✓	✓	✓	✓
<b>Temperature resistance</b>	-30 °C to +70 °C temporarily up to +90 °C	-30 °C to +70 °C temporarily up to +90 °C	-30 °C to +70 °C temporarily up to +90 °C	-100 °C to +600 °C
<b>Bearing types (refer to page 84–85)</b>	hub keyway	hub keyway	hub keyway	hub keyway
<b>Options</b>	• antistatic, non-marking, grey (-AS)	• electrically conductive, non-marking (-ELS)		
<b>Additional considerations</b>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +40 °C</li> <li>speeds up to a maximum of 10 km/h are permitted with a reduced load capacity</li> </ul>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +40 °C</li> <li>speeds up to a maximum of 16 km/h are permitted with a reduced load capacity</li> </ul>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +40 °C</li> <li>speeds up to a maximum of 16 km/h are permitted with a reduced load capacity</li> </ul>	<ul style="list-style-type: none"> <li>load capacities apply for rail profiles A 45, A 55 and A 65 (DIN 536)</li> <li>load capacity reduced by 50% at +300 °C</li> </ul>
<b>Page</b>	543	544–545	546	547

# Wheels and castors guide

## Blickle wheel series

### Hub fitting wheels

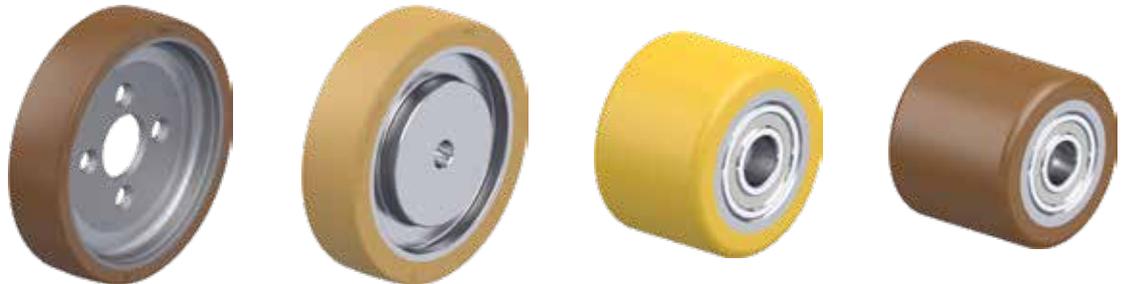


Series	PA	VLEA	GEVA	GSTA
<b>Wheel Ø</b>	400–536 mm	405–525 mm	250–620 mm	200–400 mm
<b>Load capacity</b>	250–1,300 kg	950–1,885 kg	630–4,540 kg	700–2,500 kg
<b>Tread / tyre</b>	pneumatic tyre, ribbed or zig-zag profile, 2 to 10 ply rating, colour black (see page 54 for a material description)	super-elastic solid rubber, 3-component tyre, highly-elastic cushion layer, abrasion-resistant tread, colour black (see page 54 for a material description)	high-quality elastic solid rubber in smooth rolling quality, colour black (see page 53 for a material description)	high-quality polyurethane elastomer Blickle Softthane®, colour green (see page 55 for a material description)
<b>Wheel centre / rim</b>	pressed steel, with central hole, fixing holes are counter-sunk for installation on standard hub flanges, zinc-plated, blue-passivated, Cr6-free or lacquered, silver colour	heavy pressed steel, bolted (flat base rim), with central hole, fixing holes are counter-sunk for installation on standard hub flanges, zinc-plated, blue-passivated, Cr6-free	rugged grey cast iron, with central hole, fixing holes are counter-sunk for installation on standard hub flanges, lacquered, colour anthracite	rugged grey cast iron, with central hole, fixing holes are counter-sunk for installation on standard hub flanges, lacquered, colour silver
<b>Connection tread / tyre with wheel centre / rim</b>	tyre mounted on rim	steel-wire reinforced tyre, mounted on rim	steel-wire reinforced tyre, pressed-on	cast tread
<b>Tread &amp; tyre hardness</b>	■ ■ ■ ■ ■ ■ 60 Shore A	■ ■ ■ ■ ■ ■ 70 Shore A	■ ■ ■ ■ ■ ■ 65 Shore A	■ ■ ■ ■ ■ ■ 75 Shore A
<b>Floor preservation / smooth operation</b>	■ ■ ■ ■ ■ ■ excellent	■ ■ ■ ■ ■ ■ very good	■ ■ ■ ■ ■ ■ very good	■ ■ ■ ■ ■ ■ very good
<b>Rolling resistance</b>	■ ■ ■ ■ ■ ■ good	■ ■ ■ ■ ■ ■ good	■ ■ ■ ■ ■ ■ very good	■ ■ ■ ■ ■ ■ very good
<b>Wear resistance</b>	■ ■ ■ ■ ■ ■ satisfactory	■ ■ ■ ■ ■ ■ good	■ ■ ■ ■ ■ ■ satisfactory	■ ■ ■ ■ ■ ■ very good
<b>Non-marking</b>	–	optional	–	✓
<b>Temperature resistance</b>	-30 °C to +50 °C	-30 °C to +80 °C temporarily up to +100 °C	-30 °C to +80 °C temporarily up to +100 °C	-30 °C to +70 °C temporarily up to +90 °C
<b>Bearing types (refer to page 84–85)</b>	hub fitting	hub fitting	hub fitting	hub fitting
<b>Options</b>		<ul style="list-style-type: none"> <li>• non-marking, grey tyre (-SG)</li> <li>• antistatic, black tyre (-AS)</li> <li>• drive wheel with hub keyway (see series VLEN)</li> </ul>	<ul style="list-style-type: none"> <li>• pressed-on steel band in drive quality (-STA)</li> </ul>	<ul style="list-style-type: none"> <li>• antistatic, non-marking, grey (-AS)</li> </ul>
<b>Additional considerations</b>	<ul style="list-style-type: none"> <li>• speeds up to a maximum of 25 km/h are permitted with a reduced load capacity</li> <li>• wheel width and diameter can change during operation</li> </ul>	<ul style="list-style-type: none"> <li>• the load capacity reduces at ambient temperatures above +60 °C</li> <li>• speeds up to a maximum of 25 km/h are permitted with a reduced load capacity</li> <li>• wheel width and diameter can change during operation</li> <li>• puncture-proof and maintenance-free</li> </ul>	<ul style="list-style-type: none"> <li>• the load capacity reduces at ambient temperatures above +60 °C</li> <li>• wheel centre is approximately 4 mm wider than the specified wheel width</li> <li>• speeds up to a maximum of 16 km/h are permitted with a reduced load capacity</li> </ul>	<ul style="list-style-type: none"> <li>• the load capacity reduces at ambient temperatures above +40 °C</li> <li>• speeds up to a maximum of 10 km/h are permitted with a reduced load capacity</li> </ul>
<b>Page</b>	548	549	550	551

# Wheels and castors guide

## Blickle wheel series

### Hub fitting wheels / rollers for pallet trucks



Series	GBA	VSVU	HTH	HB
<b>Wheel Ø</b>	200–400 mm	125–300 mm	60–90 mm	80–85 mm
<b>Load capacity</b>	900–3,400 kg	700–2,400 kg	220–1,130 kg	550–960 kg
<b>Tread / tyre</b>	high-quality polyurethane elastomer Blickle Besthane®, colour brown (see page 56 for a material description)	high-quality polyurethane elastomer Vulkollan®, colour natural (see page 56 for a material description)	high-quality polyurethane elastomer Blickle Extrathane®, colour light brown (see page 55 for a material description)	high-quality polyurethane elastomer Blickle Besthane®, colour brown (see page 56 for a material description)
<b>Wheel centre / rim</b>	rugged grey cast iron, with central hole, fixing holes are counter-sunk for installation on standard hub flanges, lacquered, colour silver	heat-treatable steel	metal	metal
<b>Connection tread / tyre with wheel centre / rim</b>	cast tread	cast tread	cast tread	cast tread
<b>Tread &amp; tyre hardness</b>	92 Shore A	92 Shore A	92 Shore A	92 Shore A
<b>Floor preservation / smooth operation</b>	good	good	good	good
<b>Rolling resistance</b>	excellent	very good	very good	excellent
<b>Wear resistance</b>	excellent	excellent	excellent	excellent
<b>Non-marking</b>	✓	✓	✓	✓
<b>Temperature resistance</b>	-30 °C to +70 °C temporarily up to +90 °C	-30 °C to +70 °C temporarily up to +90 °C	-20 °C to +70 °C temporarily up to +90 °C	-20 °C to +70 °C temporarily up to +90 °C
<b>Bearing types (refer to page 84–85)</b>	hub fitting	axle bore	ball bearing	ball bearing
<b>Options</b>		<ul style="list-style-type: none"> <li>individual turning</li> <li>wheel with clamping set</li> </ul>	<ul style="list-style-type: none"> <li>with Blickle Softhane® polyurethane tread (see series HST)</li> <li>splash and washproof version (see series HTHW)</li> <li>wheel centre without ball bearing (ball bearing seat)</li> </ul>	<ul style="list-style-type: none"> <li>nylon wheel centre, hydrolysis resistant, (see series HPOB)</li> <li>splash and washproof version (see series HBW)</li> <li>wheel centre without ball bearing (ball bearing seat)</li> </ul>
<b>Additional considerations</b>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +40 °C</li> <li>speeds up to a maximum of 16 km/h are permitted with a reduced load capacity</li> </ul>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +40 °C</li> <li>speeds up to a maximum of 16 km/h are permitted with a reduced load capacity</li> </ul>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +40 °C</li> </ul>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +40 °C</li> </ul>
<b>Page</b>	552	553	560–562	563

# Wheels and castors guide

## Blickle wheel series

### Rollers for pallet trucks / forklift truck wheels



Series	HTHW	HPO	REV	RTH
<b>Wheel Ø</b>	82–85 mm	80–85 mm	215–254 mm	200–270 mm
<b>Load capacity</b>	550–1,060 kg	420–1,100 kg		
<b>Tread / tyre</b>	high-quality polyurethane elastomer Blickle Extrathane®, colour light brown (see page 55 for a material description)	high-quality nylon 6, impact resistant, colour natural white (see page 57 for a material description)	high-quality elastic solid rubber in drive-quality, colour black REV 215x82/60-5-SG: grey, non-marking (see page 53 for a material description)	high-quality polyurethane elastomer Blickle Extrathane®, colour light brown (see page 55 for a material description)
<b>Wheel centre / rim</b>	metal	high-quality nylon 6, impact resistant, colour natural white	rugged grey cast iron or ductile cast iron	rugged grey cast iron or ductile cast iron
<b>Connection tread / tyre with wheel centre / rim</b>	cast tread		vulcanised or steel-wire reinforced tyre, pressed-on	cast tread
<b>Tread &amp; tyre hardness</b>	■ ■ ■ ■ ■ 92 Shore A	■ ■ ■ ■ ■ 70 Shore D	■ ■ ■ ■ ■ 70 Shore A	■ ■ ■ ■ ■ 92 Shore A
<b>Floor preservation / smooth operation</b>	■ ■ ■ ■ ■ good	■ ■ ■ ■ ■ satisfactory	■ ■ ■ ■ ■ very good	■ ■ ■ ■ ■ good
<b>Rolling resistance</b>	■ ■ ■ ■ ■ very good	■ ■ ■ ■ ■ excellent	■ ■ ■ ■ ■ very good	■ ■ ■ ■ ■ very good
<b>Wear resistance</b>	■ ■ ■ ■ ■ excellent	■ ■ ■ ■ ■ good	■ ■ ■ ■ ■ satisfactory	■ ■ ■ ■ ■ excellent
<b>Non-marking</b>	✓	✓	–	✓
<b>Temperature resistance</b>	-20 °C to +70 °C temporarily up to +90 °C	-20 °C to +80 °C	-30 °C to +80 °C temporarily up to +100 °C	-30 °C to +70 °C temporarily up to +90 °C
<b>Bearing types (refer to page 84–85)</b>	ball bearing	ball bearing		
<b>Options</b>	<ul style="list-style-type: none"> <li>with Blickle Besthane® polyurethane tread (see series HBW)</li> <li>with Blickle Softhane® polyurethane tread (see series HSTW)</li> </ul>	<ul style="list-style-type: none"> <li>stainless steel ball bearing (-XK)</li> <li>made from cast nylon, for applications requiring high load capacity (see HGSP0 series)</li> </ul>		
<b>Additional considerations</b>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +40 °C</li> <li>nylon socket for splash and wash-proof ball bearing</li> </ul>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +35 °C</li> </ul>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +60 °C</li> <li>drive wheels are suitable for the manufacturer number specified on page 571–576</li> </ul>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +40 °C</li> <li>drive wheels are suitable for the manufacturer number specified on page 571–579</li> </ul>
<b>Page</b>	564–565	566	571–574, 576	571–579

# Wheels and castors guide

## Blickle wheel series

### Forklift truck wheels / tyres / press-on bands



Series	RB	RVU	BSEV	BEV...-ZDG
Wheel Ø	230–343 mm	230–250 mm	250–525 mm	125–610 mm
Load capacity			480–2,260 kg	190–2,700 kg
Tread / tyre	high-quality polyurethane elastomer Blickle Besthane®, colour brown (see page 56 for a material description)	high-quality polyurethane elastomer Vulkollan®, colour natural (see page 56 for a material description)	super-elastic solid rubber, 2-component or 3-component tyres, tough rubber core, highly elastic, abrasion-resistant tread, colour black (see page 54 for a material description)	high-quality elastic solid rubber in smooth rolling quality, colour black (see page 53 for a material description)
Wheel centre / rim	rugged grey cast iron or ductile cast iron	rugged grey cast iron or ductile cast iron	steel-wire reinforced	steel-wire reinforced
Connection tread / tyre with wheel centre / rim	cast tread	cast tread		
Tread & tyre hardness	92 Shore A	92 Shore A	70 Shore A	65 Shore A
Floor preservation / smooth operation	good	good	very good	very good
Rolling resistance	excellent	very good	good	very good
Wear resistance	excellent	excellent	good	good
Non-marking	✓	✓	optional	optional
Temperature resistance	-30 °C to +70 °C temporarily up to +90 °C	-30 °C to +70 °C temporarily up to +90 °C	-30 °C to +80 °C temporarily up to +100 °C	-30 °C to +80 °C temporarily up to +100 °C
Bearing types (refer to page 84–85)				
Options			• non-marking, grey tyre (-SG)	• non-marking, natural colour tyre (-SN)
Additional considerations	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +40 °C</li> <li>drive wheels are suitable for the manufacturer number specified on page 571–579</li> </ul>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +40 °C</li> <li>drive wheels are suitable for the manufacturer number specified on page 576–578</li> </ul>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +60 °C</li> <li>tyre is suitable for the standard rims specified in the table on page 584–585</li> <li>speeds up to a maximum of 25 km/h are permitted with a reduced load capacity</li> </ul>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +60 °C</li> <li>suitable for wheel centre with outer diameter tolerance h11</li> <li>speeds up to a maximum of 16 km/h are permitted with a reduced load capacity</li> </ul>
Page	571–575, 578–579	576, 578	584–585	586

# Wheels and castors guide

## Blickle wheel series

### Press-on bands



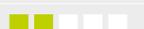
Series	BEV...-ZST	BTH	BB
Wheel Ø	150–620 mm	125–610 mm	125–645 mm
Load capacity	300–5,580 kg	500–7,200 kg	500–12,000 kg
Tread / tyre	high-quality elastic solid rubber in drive-quality, colour black (see page 53 for a material description)	high-quality polyurethane elastomer Blickle Extrathane®, colour light brown (see page 55 for a material description)	high-quality polyurethane elastomer Blickle Besthane®, colour brown (see page 56 for a material description)
Wheel centre / rim	steel-band	steel-band	steel-band
Connection tread / tyre with wheel centre / rim	vulcanised tread	cast tread	cast tread
Tread & tyre hardness	65 Shore A	92 Shore A	92 Shore A
Floor preservation / smooth operation	very good	good	good
Rolling resistance	very good	very good	excellent
Wear resistance	good	excellent	excellent
Non-marking	optional	✓	✓
Temperature resistance	-30 °C to +80 °C temporarily up to +100 °C	-30 °C to +70 °C temporarily up to +90 °C	-30 °C to +70 °C temporarily up to +90 °C
Bearing types (refer to page 84–85)			
Options	<ul style="list-style-type: none"> <li>non-marking, natural colour tyre (-SN)</li> </ul>		
Additional considerations	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +60 °C</li> <li>suitable for wheel centre with outer diameter tolerance h11</li> <li>speeds up to a maximum of 16 km/h are permitted with a reduced load capacity</li> </ul>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +40 °C</li> <li>suitable for wheel centre with outer diameter tolerance h11</li> <li>speeds up to a maximum of 10 km/h are permitted with a reduced load capacity</li> </ul>	<ul style="list-style-type: none"> <li>the load capacity reduces at ambient temperatures above +40 °C</li> <li>suitable for wheel centre with outer diameter tolerance h11</li> <li>speeds up to a maximum of 16 km/h are permitted with a reduced load capacity</li> </ul>
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## Wheels and castors guide

### Blickle wheel series

#### Heat-resistant Progressus wheels for castors



Series	PGV	ALTPU
<b>Wheel Ø</b>	84–186 mm	120–150 mm
<b>Load capacity</b>	90–200 kg	120–150 kg
<b>Tread / tyre</b>	high-quality elastic solid rubber in smooth rolling quality, colour grey, non-marking (see page 53 for a material description)	high-quality thermoplastic polyurethane (TPU), colour dark grey, non-marking, electrically conductive (see page 55 for a material description)
<b>Wheel centre / rim</b>	die-cast aluminium, colour silver grey	die-cast aluminium, colour silver grey
<b>Connection tread / tyre with wheel centre / rim</b>	tyre mounted on rim	chemically bonded
<b>Tread &amp; tyre hardness</b>	 80 Shore A	 92 Shore A
<b>Floor preservation / smooth operation</b>	 very good	 good
<b>Rolling resistance</b>	 very good	 very good
<b>Wear resistance</b>	 satisfactory	 very good
<b>Non-marking</b>	✓	✓
<b>Temperature resistance</b>	-20 °C to +134 °C	-20 °C to +134 °C
<b>Bearing types (refer to page 84–85)</b>	roller bearing, ball bearing	ball bearing
<b>Options</b>	<ul style="list-style-type: none"> <li>electrically conductive (-EL)</li> </ul>	
<b>Additional considerations</b>	<ul style="list-style-type: none"> <li>suitable for autoclaves</li> <li>tyre flattening recovers when in motion under load</li> </ul>	<ul style="list-style-type: none"> <li>suitable for autoclaves</li> <li>majority of tyre flattening recovers when in motion under load</li> </ul>
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