



Blickle wheel series

Wheels for light duty castors and castors for transport equipment

















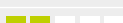





Series	TPA	VPA	VGA	PATH
Wheel Ø	50 - 200 mm	49 - 150 mm	100 - 125 mm	50 - 200 mm
Load capacity	50 - 250 kg	40 - 130 kg	90 - 100 kg	75 - 500 kg
Tread / Tyre	High-quality thermoplastic rubber-elastomer (TPE), grey, containing traces of oil. (Material description page 38)	High-quality solid rubber, grey. (Material description page 38)	High-quality solid rubber, dark grey. (Material description page 38)	High-quality thermoplastic polyurethane, dark grey. (Material description page 39)
Wheel centre / rim	High-quality, impact-resistant polypropylene, silver grey (black for 'ELS' version).	High-quality, impact-resistant nylon or polypropylene for 'EL' version, black.	High-quality, impact-resistant polypropylene, silver grey.	High-quality, impact-resistant nylon, silver grey.
Connection tread / tyre with wheel centre / rim	Chemically bonded.	Pressed-on tyre.	Injection-moulded rim.	Chemically bonded.
Tread & tyre hardness	 85° ±3° shore A	 80° ±4° shore A	 80° ±4° shore A	 94° ±3° shore A
Temperature resistance	 -20° C - +60° C	 -20° C - +60° C	 -20° C - +60° C	 -25° C - +70° C temporarily up to +90° C
Rolling resistance	 very good	 good	 good	 very good
Operating noise	 good	 very good	 very good	 good
Floor surface preservation	 good	 very good	 very good	 good
Non-marking	✓	✓	✓	✓
Chemical resistance	Refer to 'Chemical resistance', page 36-37	Refer to 'Chemical resistance', page 36-37	Refer to 'Chemical resistance', page 36-37	Refer to 'Chemical resistance', page 36-37
Bearing types (refer to page 60-61)	<ul style="list-style-type: none"> ■ Plain bore ■ Roller bearing ■ Ball bearing ■ Central ball bearing (C) 	<ul style="list-style-type: none"> ■ Plain bore ■ Ball bearing 	<ul style="list-style-type: none"> ■ Plain bore ■ Central ball bearing (C) 	<ul style="list-style-type: none"> ■ Plain bore ■ Roller bearing ■ Central ball bearing (C)
Options	<ul style="list-style-type: none"> ■ Electrically conductive, non-marking grey (-ELS) ■ Ball bearing seals (-KD) ■ Stainless steel roller bearing (-XR) 	<ul style="list-style-type: none"> ■ Electrically conductive, black tyre, marking (-EL) ■ Thread guard (-FA) 		<ul style="list-style-type: none"> ■ Electrically conductive, non-marking grey (-ELS) ■ Ball bearing seals (-KD) ■ Stainless steel roller bearing (-XR)
Additional considerations	<ul style="list-style-type: none"> ■ At ambient temperatures above +30° C the load capacity is reduced. ■ Wheels with ball bearing (C) with integrated synthetic thread guard as standard. ■ Containing traces of oil, some staining possible. 	<ul style="list-style-type: none"> ■ At ambient temperatures above +30° C the load capacity is reduced. 	<ul style="list-style-type: none"> ■ At ambient temperatures above +30° C the load capacity is reduced. ■ Wheels with ball bearing (C) with integrated synthetic thread guard as standard. 	<ul style="list-style-type: none"> ■ At ambient temperatures above +35° C the load capacity is reduced. ■ Wheels with ball bearing (C) with integrated synthetic thread guard as standard.
Page	88, 145	93	93, 148	99, 208

Blickle wheel series

Wheels for light duty castors and castors for transport equipment


















Series	POA	VE	V	VPP / VPE
Wheel Ø	35 - 150 mm	80 - 200 mm	80 - 400 mm	80 - 400 mm
Load capacity	75 - 280 kg	50 - 205 kg	50 - 800 kg	50 - 350 kg
Tread / Tyre	High-quality, impact-resistant nylon, black. (Material description page 40)	Standard solid rubber, black. (Material description page 38)	Standard solid rubber, black. (Material description page 38)	Standard solid rubber, black. (Material description page 38)
Wheel centre / rim		Pressed steel rim, zinc-plated, blue-passivated, Cr6-free.	Pressed steel rim with tubular steel hub, bolted or pressed, zinc-plated, blue-passivated, Cr6-free.	High-quality, impact-resistant polypropylene or nylon, black or dark grey.
Connection tread / tyre with wheel centre / rim		Tyre pressed with rim.	Tyre pressed with rim.	Pressed-on tyre.
Tread & tyre hardness	 70° ± 5° shore D	 80° + 5°/-10° shore A	 80° + 5°/-10° shore A	 80° + 5°/-10° shore A
Temperature resistance	 -25° C - +80° C	 -25° C - +80° C	 -25° C - +80° C	 -20° C - +60° C
Rolling resistance	 excellent	 reasonable	 reasonable	 reasonable
Operating noise	 reasonable	 very good	 very good	 very good
Floor surface preservation	 reasonable	 very good	 very good	 very good
Non-marking	✓	Optional	Optional	Optional
Chemical resistance	Refer to 'Chemical resistance', page 36-37	Refer to 'Chemical resistance', page 36-37	Refer to 'Chemical resistance', page 36-37	Refer to 'Chemical resistance', page 36-37
Bearing types (refer to page 60-61)	<ul style="list-style-type: none"> ■ Plain bore ■ Ball bearing ■ Central ball bearing (C) 	<ul style="list-style-type: none"> ■ Roller bearing 	<ul style="list-style-type: none"> ■ Plain bore ■ Roller bearing ■ Ball bearing 	<ul style="list-style-type: none"> ■ Plain bore ■ Roller bearing ■ Ball bearing
Options		<ul style="list-style-type: none"> ■ Non-marking, grey tyre (-SG) ■ Electrically conductive (-EL) ■ Thread guard (-FA) 	<ul style="list-style-type: none"> ■ Non-marking, grey tyre (-SG) ■ Electrically conductive (-EL) ■ Thread guard (-FA) 	<ul style="list-style-type: none"> ■ Non-marking, grey tyre (-SG) ■ Stainless steel roller bearing (-XR) ■ Red centre (-ROT) ■ STARLOCK® stainless steel cap (ST-KA...) ■ Thread guard (-FA)
Additional considerations	<ul style="list-style-type: none"> ■ At ambient temperatures above +35° C the load capacity is reduced. 	<ul style="list-style-type: none"> ■ At ambient temperatures above +60° C the load capacity is reduced. 	<ul style="list-style-type: none"> ■ At ambient temperatures above +60° C the load capacity is reduced. ■ Pressed rim: Special shock and impact-resistant design. <p>Design award (‘Die gute Industrieform’)</p>	<ul style="list-style-type: none"> ■ At ambient temperatures above +30° C the load capacity is reduced. ■ Wheel 80 x 32 mm: Tyre hardness 90° ± 5° shore A ■ VPE wheel 260 x 85 mm: Tyre hardness 55° ± 5° shore A
Page	104	132	136-137	139-140

Blickle wheel series

Wheels for transport equipment and heavy duty castors




Series	VW	VWPP	RD	POEV
Wheel Ø	125 - 260 mm	125 - 260 mm	100 - 280 mm	80 - 300 mm
Load capacity	50 - 200 kg	50 - 200 kg	100 - 650 kg	140 - 650 kg
Tread / Tyre	'Blickle Soft' soft rubber, round profile, black. Wheel Ø 260 mm additionally with a hard rubber core. (Material description page 38)	'Blickle Soft' soft rubber, round profile, black. Wheel Ø 260 mm additionally with a hard rubber core. (Material description page 38)	'Blickle Comfort' two-component solid rubber, hard rubber core and highly elastic tread, black. (Material description page 38)	High-quality elastic solid rubber, in smooth rolling quality 'Blickle EasyRoll', black. (Material description page 38)
Wheel centre / rim	Pressed steel rim with tubular steel hub, bolted or pressed, zinc-plated, blue-passivated, Cr6-free.	High-quality, impact-resistant polypropylene, black.	Pressed steel rim with tubular steel hub, bolted or pressed, zinc-plated, blue-passivated, Cr6-free.	High-quality, impact-resistant nylon, black.
Connection tread / tyre with wheel centre / rim	Tyre pressed with rim.	Pressed-on tyre.	Tyre pressed with rim.	Vulcanised tyre.
Tread & tyre hardness	 50° +5° shore A	 50° +5° shore A	 65° ±4° shore A	 65° ±3° shore A
Temperature resistance	 -25° C - +80° C	 -20° C - +60° C	 -25° C - +80° C	 -25° C - +80° C temporarily up to +100° C
Rolling resistance	 good	 good	 good	 very good
Operating noise	 excellent	 excellent	 very good	 very good
Floor surface preservation	 excellent	 excellent	 very good	 very good
Non-marking	Optional	Optional	Optional	Optional
Chemical resistance	Refer to 'Chemical resistance', page 36-37	Refer to 'Chemical resistance', page 36-37	Refer to 'Chemical resistance', page 36-37	Refer to 'Chemical resistance', page 36-37
Bearing types (refer to page 60-61)	<ul style="list-style-type: none"> Roller bearing Ball bearing 	<ul style="list-style-type: none"> Plain bore Roller bearing Ball bearing 	<ul style="list-style-type: none"> Roller bearing Ball bearing 	<ul style="list-style-type: none"> Plain bore Roller bearing Ball bearing Central ball bearing (C)
Options	<ul style="list-style-type: none"> Non-marking, grey tyre (-SG) Thread guard (-FA) 	<ul style="list-style-type: none"> Non-marking, grey tyre (-SG) Stainless steel roller bearing (-XR) Thread guard (-FA) 	<ul style="list-style-type: none"> Non-marking, grey tyre, 56° shore A (-VL) Thread guard (-FA) 	<ul style="list-style-type: none"> Non-marking, grey tyre (-SG) Non-marking, blue tyre (-SB) Electrically conductive (-EL) Stainless steel roller bearing (-XR) Stainless steel ball bearing (-XK) Ball bearing seals (-KD) Stainless steel ball bearing and synthetic cover (-XKA) Thread guard (-FA)
Additional considerations	<ul style="list-style-type: none"> At ambient temperatures above +60° C the load capacity is reduced. Pressed rim: Special shock and impact-resistant design. <p>Design award (‘Die gute Industrieform’)</p>	<ul style="list-style-type: none"> At ambient temperatures above +30° C the load capacity is reduced. 	<ul style="list-style-type: none"> At ambient temperatures above +60° C the load capacity is reduced. Pressed rim: Special shock and impact-resistant design. <p>Design award (‘Die gute Industrieform’)</p>	<ul style="list-style-type: none"> At ambient temperatures above +35° C the load capacity is reduced. Electrically conductive option (-EL) with increased rolling resistance.
Page	154	156	158	164

Blickle wheel series

Wheels for transport equipment and heavy duty castors























Series	ALEV	SE	GEV	DS
Wheel Ø	100 - 250 mm	80 - 415 mm	250 - 620 mm	300 - 620 mm
Load capacity	200 - 650 kg	200 - 1150 kg	725 - 3000 kg	1500 - 6000 kg
Tread / Tyre	High-quality elastic solid rubber, in smooth rolling quality 'Blickle EasyRoll', black. (Material description page 38)	High-quality elastic solid rubber, in smooth rolling quality 'Blickle EasyRoll', black. (Material description page 38)	High-quality elastic solid rubber, in smooth rolling quality, black. (Material description page 38)	High-quality elastic solid rubber, in smooth rolling quality, black. (Material description page 38)
Wheel centre / rim	Die-cast aluminium.	Pressed thick-walled steel, triple-welded, with tubular steel hub, lacquered, anthracite. Wheel Ø 80 - 125 mm: High-quality, impact-resistant and reinforced nylon, black.	Grey cast iron, with grease nipple, lacquered, anthracite.	Very strong welded steel construction, with tubular steel hub and grease nipple, lacquered, anthracite.
Connection tread / tyre with wheel centre / rim	Vulcanised tyre.	Vulcanised or steel-wire reinforced tyre, pressed-on.	Steel-wire reinforced tyre, pressed-on.	Steel-wire reinforced tyre, pressed-on.
Tread & tyre hardness	 65° ±3° shore A	 65° ±3° shore A	 65° ±3° shore A	 65° ±3° shore A
Temperature resistance	 -25° C - +80° C temporarily up to +100° C	 -25° C - +80° C temporarily up to +100° C	 -25° C - +80° C temporarily up to +100° C	 -25° C - +80° C temporarily up to +100° C
Rolling resistance	 very good	 very good	 very good	 very good
Operating noise	 very good	 very good	 very good	 very good
Floor surface preservation	 very good	 very good	 very good	 very good
Non-marking	Optional	Optional	Optional	—
Chemical resistance	Refer to 'Chemical resistance', page 36-37	Refer to 'Chemical resistance', page 36-37	Refer to 'Chemical resistance', page 36-37	Refer to 'Chemical resistance', page 36-37
Bearing types (refer to page 60-61)	■ Ball bearing	■ Plain bore ■ Ball bearing	■ Ball bearing	■ Ball bearing
Options	■ Non-marking, grey tyre (-SG) ■ Electrically conductive (-EL) ■ Stainless steel ball bearing (-XK)	■ Non-marking, grey tyre (-SG) ■ Grease nipple (-NI)	■ Non-marking, natural colour tyre (-SN) ■ Hub cap if used as end wheel (-E) ■ Drive wheel with hub keyway (refer to GEVN series) ■ Hub fitting wheel (refer to GEVA series)	■ Hub cap if used as end wheel (-E) ■ Drive wheel with hub keyway, DSN series
Additional considerations	■ At ambient temperatures above +60° C the load capacity is reduced. ■ Electrically conductive option (-EL) with increased rolling resistance.	■ At ambient temperatures above +60° C the load capacity is reduced. ■ Wheel centre is particularly resistant to dirt, shocks and impact loads. ■ With a reduced load capacity, max. speeds of up to 10 km/h are permissible.	■ At ambient temperatures above +60° C the load capacity is reduced. ■ The wheel centre is approx. 4 mm wider than the indicated wheel width. ■ With a reduced load capacity, max. speeds of up to 16 km/h are permissible.	■ At ambient temperatures above +60° C the load capacity is reduced. ■ With a reduced load capacity, max. speeds of up to 16 km/h are permissible.
Page	171, 445	180	187	189

Blickle wheel series

Wheels for transport equipment and heavy duty castors





Series	P	PS	PK	VLE
Wheel Ø	180 - 490 mm	300 - 536 mm	200 - 400 mm	250 - 525 mm
Load capacity	75 - 525 kg	450 - 1300 kg	75 - 250 kg	450 - 1885 kg
Tread / Tyre	Pneumatic tyres with ribbed or zig-zag profile, 2 or 4 ply rating, black. (Material description page 38)	Pneumatic tyres with zig-zag profile, 6-10 ply rating, black. (Material description page 38)	Pneumatic tyres with ribbed or zig-zag profile, 2 ply rating, black. (Material description page 38)	Super-elastic solid rubber, 2- or 3-component tyre, tough and hard rubber core, steel-wire reinforced, super-elastic, abrasion-resistant tread, black. (Material description page 38)
Wheel centre / rim	Bolted flat based rim or triple-welded drop based rim, zinc-plated, blue-passivated, Cr6-free or lacquered, silver.	Heavy pressed steel rim, pressed and bolted, with welded tubular steel hub, zinc-plated, blue-passivated, Cr6-free.	High-quality, impact-resistant polypropylene, black.	Heavy pressed steel rim, pressed and bolted, with welded tubular steel hub or reinforced rim version, zinc-plated, blue-passivated, Cr6-free.
Connection tread / tyre with wheel centre / rim	Tyre mounted on rim.	Tyre mounted on rim.	Tyre mounted on rim.	Steel-wire reinforced tyre, mounted on rim.
Tread & tyre hardness	 60° ±5° shore A	 60° ±5° shore A	 60° ±5° shore A	 70° ±4° shore A
Temperature resistance	 -25° C - +50° C	 -25° C - +50° C	 -20° C - +40° C	 -25° C - +80° C temporarily up to +100° C
Rolling resistance	 good	 good	 good	 good
Operating noise	 excellent	 excellent	 excellent	 very good
Floor surface preservation	 excellent	 excellent	 excellent	 very good
Non-marking	Optional	—	Optional	Optional
Chemical resistance	Refer to 'Chemical resistance', page 36-37	Refer to 'Chemical resistance', page 36-37	Refer to 'Chemical resistance', page 36-37	Refer to 'Chemical resistance', page 36-37
Bearing types (refer to page 60-61)	<ul style="list-style-type: none"> ■ Plain bore ■ Roller bearing ■ Ball bearing 	<ul style="list-style-type: none"> ■ Ball bearing 	<ul style="list-style-type: none"> ■ Plain bore ■ Roller bearing ■ Ball bearing 	<ul style="list-style-type: none"> ■ Ball bearing
Options	<ul style="list-style-type: none"> ■ Non-marking, grey tyre (-SG) ■ Puncture-proof, foam-filled tyre (-AG), slightly reduced deflection and operational comfort. ■ Hub cap if used as end wheel (-E) ■ Puncture-proof soft rubber wheel (refer to VW series) ■ Hub fitting wheel (refer to PA series) 	<ul style="list-style-type: none"> ■ Hub cap if used as end wheel (-E) 	<ul style="list-style-type: none"> ■ Non-marking, grey tyre (-SG) ■ Red centre (-ROT) ■ Puncture-proof soft rubber wheel (refer to VWPP series) 	<ul style="list-style-type: none"> ■ Non-marking tyre (-SN) ■ Antistatic, black tyre (-AS) ■ Hub cap if used as end wheel (-E) ■ Hub fitting wheel (refer to VLEA series)
Additional considerations	<ul style="list-style-type: none"> ■ With a reduced load capacity, max. speeds of up to 16 km/h are permissible. ■ Wheel width and wheel Ø may increase during operation. 	<ul style="list-style-type: none"> ■ With a reduced load capacity, max. speeds of up to 25 km/h are permissible. ■ Wheel width and wheel Ø may increase during operation. 	<ul style="list-style-type: none"> ■ At ambient temperatures above +30° C the load capacity is reduced. ■ Wheel width and wheel Ø may increase during operation. 	<ul style="list-style-type: none"> ■ At ambient temperatures above +60° C the load capacity is reduced. ■ Wheel width and wheel Ø may increase during operation. ■ With a reduced load capacity, max. speeds of up to 25 km/h are permissible. ■ Puncture-proof and maintenance-free
Page	192-193	195	197	202

Blickle wheel series

Wheels for transport equipment and heavy duty castors






















Series	POTH	ALST	GST	ALBS
Wheel Ø	75 - 250 mm	80 - 300 mm	125 - 300 mm	80 - 300 mm
Load capacity	200 - 1000 kg	180 - 1150 kg	450 - 1800 kg	180 - 1150 kg
Tread / Tyre	High-quality thermoplastic polyurethane, dark grey. (Material description page 39)	High-quality polyurethane-elastomer Blickle Softthane®, green. (Material description page 39)	High-quality polyurethane-elastomer Blickle Softthane®, green. (Material description page 39)	High-quality polyurethane-elastomer Blickle Bestthane® Soft, blue. (Material description page 39)
Wheel centre / rim	High-quality, impact-resistant nylon, natural white.	Die-cast aluminium.	Grey cast iron, wheel Ø 160 mm or larger with grease nipple, lacquered, silver.	Die-cast aluminium.
Connection tread / tyre with wheel centre / rim	Chemically bonded.	Casted tread.	Casted tread.	Casted tread.
Tread & tyre hardness	 94° ± 3° shore A	 75° + 5° shore A	 75° + 5° shore A	 75° + 5° shore A
Temperature resistance	 -25° C - +70° C temporarily up to +90° C	 -25° C - +70° C temporarily up to +90° C	 -25° C - +70° C temporarily up to +90° C	 -25° C - +70° C temporarily up to +90° C
Rolling resistance	 very good	 very good	 very good	 excellent
Operating noise	 good	 very good	 very good	 very good
Floor surface preservation	 good	 very good	 very good	 very good
Non-marking	✓	✓	✓	✓
Chemical resistance	Refer to 'Chemical resistance', page 36-37	Refer to 'Chemical resistance', page 36-37	Refer to 'Chemical resistance', page 36-37	Refer to 'Chemical resistance', page 36-37
Bearing types (refer to page 60-61)	<ul style="list-style-type: none"> ■ Plain bore ■ Roller bearing ■ Ball bearing ■ Central ball bearing (C) 	<ul style="list-style-type: none"> ■ Ball bearing 	<ul style="list-style-type: none"> ■ Ball bearing 	<ul style="list-style-type: none"> ■ Ball bearing
Options	<ul style="list-style-type: none"> ■ Stainless steel roller bearing (-XR) ■ Stainless steel ball bearing (-XK) ■ Ball bearing seals (-KD) ■ Thread guard (-FA) 	<ul style="list-style-type: none"> ■ Antistatic, non-marking, grey (-AS) ■ Extra crowned running tread (-CO) ■ Stainless steel ball bearing (-XK) 	<ul style="list-style-type: none"> ■ Drive wheel with hub keyway (refer to GSTN series) ■ Hub fitting wheel (refer to GSTA series) 	<ul style="list-style-type: none"> ■ Nylon wheel centre, hydrolysis resistant, POBS series ■ Extra crowned running tread (-CO)
Additional considerations	<ul style="list-style-type: none"> ■ At ambient temperatures above +35° C the load capacity is reduced. 	<ul style="list-style-type: none"> ■ At ambient temperatures above +40° C the load capacity is reduced. 	<ul style="list-style-type: none"> ■ At ambient temperatures above +40° C the load capacity is reduced. 	<ul style="list-style-type: none"> ■ At ambient temperatures above +40° C the load capacity is reduced.
Page	213	222, 445	229	238

Blickle wheel series

Wheels for heavy duty castors
















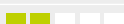
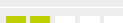





Series	ALTH	SETH	VSTH / GTH	VSB / GB
Wheel Ø	80 - 250 mm	125 - 250 mm	35 - 1000 mm	80 - 1000 mm
Load capacity	180 - 1000 kg	500 - 1350 kg	100 - 30000 kg	400 - 30000 kg
Tread / Tyre	High-quality polyurethane-elastomer Blickle Extrathane®, light brown. (Material description page 39)	High-quality polyurethane-elastomer Blickle Extrathane®, light brown. (Material description page 39)	High-quality polyurethane-elastomer Blickle Extrathane®, light brown. (Material description page 39)	High-quality polyurethane-elastomer Blickle Bestthane®, brown. (Material description page 39)
Wheel centre / rim	Die-cast aluminium.	Pressed thick-walled steel, triple-welded, with tubular steel hub, lacquered, silver.	VSTH series: Steel. GTH series: Grey cast iron, wheel Ø 150 mm or larger with grease nipple, lacquered, silver.	VSB series: Steel. GB series: Grey cast iron, wheel Ø 150 mm or larger with grease nipple, lacquered, silver.
Connection tread / tyre with wheel centre / rim	Casted tread.	Casted tread.	Casted tread.	Casted tread.
Tread & tyre hardness	 92° ±3° shore A	 92° ±3° shore A	 92° ±3° shore A	 92° ±3° shore A
Temperature resistance	 -25° C - +70° C temporarily up to +90° C	 -25° C - +70° C temporarily up to +90° C	 -25° C - +70° C temporarily up to +90° C	 -25° C - +70° C temporarily up to +90° C
Rolling resistance	 very good	 very good	 very good	 excellent
Operating noise	 good	 good	 good	 good
Floor surface preservation	 good	 good	 good	 good
Non-marking	✓	✓	✓	✓
Chemical resistance	Refer to 'Chemical resistance', page 36-37	Refer to 'Chemical resistance', page 36-37	Refer to 'Chemical resistance', page 36-37	Refer to 'Chemical resistance', page 36-37
Bearing types (refer to page 60-61)	■ Ball bearing	■ Ball bearing	■ Ball bearing ■ Spherical roller bearing	■ Ball bearing ■ Spherical roller bearing
Options	<ul style="list-style-type: none"> ■ Antistatic, non-marking, grey (-AS) ■ Extra crowned running tread (-CO) ■ Stainless steel ball bearing (-XK) 	<ul style="list-style-type: none"> ■ Grease nipple (-NI) 	<ul style="list-style-type: none"> ■ Antistatic, non-marking, grey (-AS) ■ Drive wheel with hub keyway (refer to GTHN series) 	<ul style="list-style-type: none"> ■ Cast nylon wheel centre, hydrolysis resistant, GSPOB series ■ Drive wheel with hub keyway (refer to GBN series) ■ Hub fitting wheel (refer to GBA series)
Additional considerations	<ul style="list-style-type: none"> ■ At ambient temperatures above +40° C the load capacity is reduced. 	<ul style="list-style-type: none"> ■ At ambient temperatures above +40° C the load capacity is reduced. ■ Wheel centre is particularly resistant to dirt, shocks and impact loads. 	<ul style="list-style-type: none"> ■ At ambient temperatures above +40° C the load capacity is reduced. 	<ul style="list-style-type: none"> ■ At ambient temperatures above +40° C the load capacity is reduced. ■ With a reduced load capacity, max. speeds of up to 16 km/h are permissible.
Page	246, 445-446	254	258-259, 446	268-269, 447

Blickle wheel series

Wheels for transport equipment and heavy duty castors













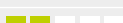





Series	P0	POW	PPN	SP0
Wheel Ø	50 - 300 mm	100 - 125 mm	60 - 200 mm	75 - 250 mm
Load capacity	75 - 1500 kg	200 - 220 kg	80 - 450 kg	300 - 2000 kg
Tread / Tyre	High-quality, impact-resistant nylon, natural white. (Material description page 40)	High-quality, impact-resistant nylon, white. (Material description page 40)	High-quality, impact-resistant polypropylene, natural white. (Material description page 40)	High-quality, impact-resistant nylon, very rugged, heavy wheel design, natural white. (Material description page 40)
Wheel centre / rim		High-quality, impact-resistant nylon, white and highly elastic damping ring made of elastic solid rubber, red.		
Connection tread / tyre with wheel centre / rim		Highly elastic encapsulated damping ring.		
Tread & tyre hardness	 70° ±5° shore D	 70° ±5° shore D	 60° ±5° shore D	 70° ±5° shore D
Temperature resistance	 -25° C - +80° C	 -25° C - +80° C	 -20° C - +60° C	 -25° C - +80° C
Rolling resistance	 excellent	 very good	 very good	 excellent
Operating noise	 reasonable	 good	 reasonable	 reasonable
Floor surface preservation	 reasonable	 reasonable	 reasonable	 reasonable
Non-marking	✓	✓	✓	✓
Chemical resistance	Refer to 'Chemical resistance', page 36-37	Refer to 'Chemical resistance', page 36-37	Refer to 'Chemical resistance', page 36-37	Refer to 'Chemical resistance', page 36-37
Bearing types (refer to page 60-61)	<ul style="list-style-type: none"> ■ Plain bore ■ Roller bearing ■ Ball bearing ■ Central ball bearing (C) 	<ul style="list-style-type: none"> ■ Roller bearing ■ Central ball bearing (C) 	<ul style="list-style-type: none"> ■ Plain bore ■ Roller bearing 	<ul style="list-style-type: none"> ■ Plain bore ■ Ball bearing
Options	<ul style="list-style-type: none"> ■ Electrically conductive, non-marking, grey (-ELS) ■ Stainless steel roller bearing (-XR) ■ Ball bearing seals (-KD) ■ Stainless steel ball bearing (-XK) ■ Grease nipple (-NI) ■ Thread guard (-FA) 	<ul style="list-style-type: none"> ■ Stainless steel roller bearing (-XR) ■ Ball bearing seals (-KD) 	<ul style="list-style-type: none"> ■ Electrically conductive, black (-EL) ■ Stainless steel roller bearing (-XR) ■ Colour black, PP series ■ Thread guard (-FA) 	<ul style="list-style-type: none"> ■ Grease nipple (-NI) ■ Stainless steel ball bearing (-XK) ■ Thread guard (-FA)
Additional considerations	<ul style="list-style-type: none"> ■ At ambient temperatures above +35° C the load capacity is reduced. 	<ul style="list-style-type: none"> ■ At ambient temperatures above +35° C the load capacity is reduced. ■ Good noise-absorption, absorbs shocks and impact loads. ■ With integrated synthetic thread guard as standard. ■ Sandwich wheel. 	<ul style="list-style-type: none"> ■ At ambient temperatures above +30° C the load capacity is reduced. 	<ul style="list-style-type: none"> ■ At ambient temperatures above +35° C the load capacity is reduced.
Page	276-277, 445	288	293	300-301

Blickle wheel series

Wheels for heavy duty castors / Flanged wheels















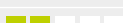



Series	GSP0	G	SVS	SPK
Wheel Ø	35 - 1000 mm	80 - 250 mm	65 - 300 mm	50 - 250 mm
Load capacity	100 - 50000 kg	250 - 1400 kg	750 - 15000 kg	400 - 3500 kg
Tread / Tyre	Impact-resistant, hard and tough, highly compressed cast nylon, natural beige. (Material description page 40)	Grey cast iron, with grease nipple, lacquered, silver. (Material description page 40)	Mild steel, lightly oiled surface. (Material description page 40)	Grey cast iron, wheel Ø 125 mm or larger (without flange) with grease nipple, lacquered, silver. (Material description page 40)
Wheel centre / rim				
Connection tread / tyre with wheel centre / rim				
Tread & tyre hardness	 80° ±3° shore D	 180 - 220 HB	 190 - 230 HB	 180 - 220 HB
Temperature resistance	 -25° C - +80° C	 -100° C - +600° C	 -25° C - +120° C	 -100° C - +600° C
Rolling resistance	 excellent	 excellent	 excellent	 excellent
Operating noise	 reasonable	 sufficient	 sufficient	 sufficient
Floor surface preservation	 reasonable	 sufficient	 sufficient	 sufficient
Non-marking	✓	✓	✓	✓
Chemical resistance	Refer to 'Chemical resistance', page 36-37	Refer to material description, page 40	Refer to material description, page 40	Refer to material description, page 40
Bearing types (refer to page 60-61)	<ul style="list-style-type: none"> ■ Ball bearing ■ Spherical roller bearing 	<ul style="list-style-type: none"> ■ Plain bore ■ Ball bearing ■ Heat-resistant ball bearing (IK) 	<ul style="list-style-type: none"> ■ Ball bearing 	<ul style="list-style-type: none"> ■ Plain bore ■ Ball bearing
Options	<ul style="list-style-type: none"> ■ Plain bore for static loads or very low speeds ■ Stainless steel ball bearing (-XK) ■ Spherical roller bearing (-PR) for applications operating in extreme conditions. 		<ul style="list-style-type: none"> ■ Spherical roller bearing (-PR) for applications operating in extreme conditions. 	<ul style="list-style-type: none"> ■ Heat-resistant ball bearing (oven bearing, -IK), operating temperature: -30° C to +300° C, load capacity reduction of 50 % at +300° C.
Additional considerations	<ul style="list-style-type: none"> ■ At ambient temperatures above +35° C the load capacity is reduced. ■ Relatively high floor pressure. 	<ul style="list-style-type: none"> ■ Relatively high floor pressure. ■ Plain bore: A temperature specific grease must be regularly applied. 	<ul style="list-style-type: none"> ■ Relatively high floor pressure. 	<ul style="list-style-type: none"> ■ Machined flange and tread with horizontal taper of 3°. ■ Plain bore: A temperature specific grease must be regularly applied. ■ The load capacities refer to the rail profiles A 45, A 55 (DIN 536).
Page	314	320, 399	330	336

Blickle wheel series

Flanged wheels


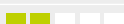


Series	SPKGSPO	SPKVS	DSPKGSPO	DSPK
Wheel Ø	50 - 250 mm	50 - 400 mm	50 - 200 mm	50 - 200 mm
Load capacity	220 - 3000 kg	500 - 9000 kg	50 - 700 kg	120 - 1200 kg
Tread / Tyre	Impact-resistant, hard and tough, highly compressed cast nylon, natural beige. (Material description page 40)	Mild steel, lightly oiled surface. (Material description page 40)	Impact-resistant, hard and tough, highly compressed cast nylon, natural beige. (Material description page 40)	Mild steel, lightly oiled surface. (Material description page 40)
Wheel centre / rim				
Connection tread / tyre with wheel centre / rim				
Tread & tyre hardness	 80° ±3° shore D	 190 - 230 HB	 80° ±3° shore D	 190 - 230 HB
Temperature resistance	 -25° C - +80° C	 -25° C - +120° C	 -25° C - +80° C	 -25° C - +120° C
Rolling resistance	 excellent	 excellent	 excellent	 excellent
Operating noise	 reasonable	 sufficient	 reasonable	 sufficient
Floor surface preservation	 reasonable	 sufficient	 reasonable	 sufficient
Non-marking	✓	✓	✓	✓
Chemical resistance	Refer to 'Chemical resistance', page 36-37	Refer to material description, page 40	Refer to 'Chemical resistance', page 36-37	Refer to material description, page 40
Bearing types (refer to page 60-61)	<ul style="list-style-type: none"> ■ Plain bore ■ Ball bearing 	<ul style="list-style-type: none"> ■ Ball bearing 	<ul style="list-style-type: none"> ■ Plain bore ■ Ball bearing 	<ul style="list-style-type: none"> ■ Ball bearing
Options	<ul style="list-style-type: none"> ■ Stainless steel ball bearing (-XK) ■ Drive wheel with hub keyway, SPKGSPO series ■ With fixed bracket 	<ul style="list-style-type: none"> ■ Heat-resistant ball bearing (oven bearing, -IK) ■ Spherical roller bearing (-PR) for applications operating in extreme conditions. ■ Drive wheel with hub keyway (refer to SPKVS series) ■ With fixed bracket 	<ul style="list-style-type: none"> ■ Stainless steel ball bearing (-XK) ■ With fixed bracket 	<ul style="list-style-type: none"> ■ With fixed bracket
Additional considerations	<ul style="list-style-type: none"> ■ At ambient temperatures above +35° C the load capacity is reduced. ■ Machined flange and tread with horizontal taper of 3°. ■ The load capacities refer to the rail profiles A 45, A 55 (DIN 536). 	<ul style="list-style-type: none"> ■ Machined flange and tread with horizontal taper of 3°. ■ The load capacities refer to the rail profiles A 45, A 55 and A 65 (DIN 536). 	<ul style="list-style-type: none"> ■ At ambient temperatures above +35° C the load capacity is reduced. ■ Relatively high floor pressure. 	<ul style="list-style-type: none"> ■ Relatively high floor pressure.
Page	338	339	340	341

Blickle wheel series

Heat-resistant wheels








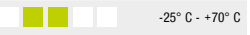














Series	VEH1	POSI / ALSI	VKHT	POHI
Wheel Ø	100 - 200 mm	100 - 125 mm	100 mm	80 - 200 mm
Load capacity	65 - 180 kg	80 - 120 kg	100 kg	180 - 600 kg
Tread / Tyre	Heat-resistant Blickle TempLine® Basic solid rubber, black. (Material description page 38)	Highly heat-resistant Blickle TempLine® Comfort silicone rubber, black. (Material description page 39)	Heat-resistant Blickle TempLine® Special solid rubber, black. (Material description page 38)	High-quality, impact-resistant and highly heat-resistant Blickle TempLine® Performance nylon, grey. (Material description page 40)
Wheel centre / rim	Pressed steel rim, zinc-plated, blue-passivated, Cr6-free.	POSI series: High-quality, impact-resistant and highly heat-resistant nylon, grey. ALSI series: Die-cast aluminium.	High-quality, impact-resistant and highly heat-resistant nylon, black.	
Connection tread / tyre with wheel centre / rim	Tyre pressed with rim.	Vulcanised tyre.	Pressed-on tyre.	
Tread & tyre hardness	 80° ±5° shore A	 75° ±4° shore A	 85° ±5° shore A	 85° ±5° shore D
Temperature resistance	 -25° C - +200° C	 -25° C - +250° C	 -30° C - +260° C	 -25° C - +250° C
Rolling resistance	 reasonable	 good	 reasonable	 excellent
Operating noise	 very good	 very good	 good	 reasonable
Floor surface preservation	 very good	 very good	 good	 reasonable
Non-marking	—	✓	—	✓
Chemical resistance	Refer to 'Chemical resistance', page 36-37	Refer to material description, page 39	Refer to 'Chemical resistance', page 36-37	Refer to 'Chemical resistance', page 36-37
Bearing types (refer to page 60-61)	■ Roller bearing	■ Plain bore ■ Ball bearing with special heat-resistant grease (HK)	■ Plain bore	■ Plain bore ■ Ball bearing with special heat-resistant grease (HK)
Options		■ Non-marking, grey tyre (-SG) ■ Teflon-coated stainless steel axle tube (XAT)	■ Teflon-coated stainless steel axle tube (XAT)	■ Natural colour, operating temperature: -30° C to +170° C, POH series ■ Teflon-coated stainless steel axle tube (XAT) ■ Stainless steel ball bearing with special heat-resistant grease (-HXX)
Additional considerations	■ With long endurance times at high temperatures, the tyre may slightly flatten. Such flattening is quickly removed when the wheels are operated under load. ■ At high temperatures, the passivation of the pressed steel rim may slightly alter, but the corrosion protection remains intact.	■ POSI series: Suitable for autoclaves ■ ALSI 100/8HKA: Ball bearing with special heat-resistant grease (HK) and ball bearing cover.		■ Suitable for autoclaves in either plain bore version or optional stainless steel ball bearings with special heat-resistant grease (-HXX)
Page	378	381	386	389

Blickle wheel series

Heat-resistant wheels / Guide rollers









Series	PHN	FTH	FSTH	FPOB
Wheel Ø	80 - 200 mm	30 - 75 mm	40 - 125 mm	80 - 125 mm
Load capacity	100 - 500 kg	20 - 125 kg	45 - 330 kg	130 - 300 kg
Tread / Tyre	Blickle TempLine® Classic phenolic resin, black. (Material description page 40)	High-quality polyurethane-elastomer Blickle Extrathane®, light brown. (Material description page 39)	High-quality polyurethane-elastomer Blickle Extrathane®, light brown. (Material description page 39)	High-quality polyurethane-elastomer Blickle Besthane®, brown. (Material description page 39)
Wheel centre / rim			Steel.	High-quality, impact-resistant nylon, black.
Connection tread / tyre with wheel centre / rim		Tread directly bonded onto the ball bearing.	Casted tread.	Casted tread.
Tread & tyre hardness	 90° ±5° shore D	 92° ±3° shore A	 92° ±3° shore A	 92° ±3° shore A
Temperature resistance	 -35° C - +260° C temporarily up to +300° C	 -25° C - +70° C temporarily up to +90° C	 -25° C - +70° C temporarily up to +90° C	 -25° C - +70° C
Rolling resistance	 excellent	 very good	 very good	 excellent
Operating noise	 reasonable	 good	 good	 good
Floor surface preservation	 reasonable	 good	 good	 good
Non-marking	✓	✓	✓	✓
Chemical resistance	Refer to material description, page 40	Refer to 'Chemical resistance', page 36-37	Refer to 'Chemical resistance', page 36-37	Refer to 'Chemical resistance', page 36-37
Bearing types (refer to page 60-61)	<ul style="list-style-type: none"> Plain bore Ball bearing with special heat-resistant grease (HK) Heat-resistant ball bearing (IK) 	<ul style="list-style-type: none"> Ball bearing 	<ul style="list-style-type: none"> Ball bearing 	<ul style="list-style-type: none"> Ball bearing
Options	<ul style="list-style-type: none"> Teflon-coated stainless steel axle tube (XAT) 	<ul style="list-style-type: none"> Stainless steel ball bearing (-XK) 		<ul style="list-style-type: none"> Stainless steel ball bearing (-XK)
Additional considerations	<ul style="list-style-type: none"> Wheels are only conditionally suitable for uneven floors and crossing thresholds. 	<ul style="list-style-type: none"> At ambient temperatures above +40° C the load capacity is reduced. 	<ul style="list-style-type: none"> At ambient temperatures above +40° C the load capacity is reduced. 	<ul style="list-style-type: none"> At ambient temperatures above +40° C the load capacity is reduced. With a reduced load capacity, max. speeds of up to 10 km/h are permissible. Hydrolysis resistant
Page	394	430	431	432

Blickle wheel series

Guide rollers / Rollers for pallet trucks






















Series	FPTH	FPU	FPO	HTH
Wheel Ø	60 - 125 mm	25 - 60 mm	25 - 125 mm	60 - 90 mm
Load capacity	110 - 290 kg	20 - 120 kg	30 - 400 kg	180 - 900 kg
Tread / Tyre	High-quality thermoplastic polyurethane, dark grey. (Material description page 39)	High-quality thermoplastic polyurethane, dark brown. (Material description page 39)	High-quality, impact-resistant nylon, natural white. (Material description page 40)	High-quality polyurethane-elastomer Blickle Extrathane®, light brown. (Material description page 39)
Wheel centre / rim	High-quality, impact-resistant nylon, silver grey.			Steel or grey cast iron.
Connection tread / tyre with wheel centre / rim	Chemically bonded.	Tread directly injected onto the ball bearing.	Tread directly injected onto the ball bearing.	Casted tread.
Tread & tyre hardness	 92° ± 3° shore A	 98° ± 2° shore A	 70° ± 5° shore D	 92° ± 3° shore A
Temperature resistance	 -25° C - +70° C temporarily up to +90° C	 -25° C - +70° C temporarily up to +90° C	 -25° C - +80° C	 -25° C - +70° C temporarily up to +90° C
Rolling resistance	 very good	 excellent	 excellent	 very good
Operating noise	 good	 reasonable	 reasonable	 good
Floor surface preservation	 good	 reasonable	 reasonable	 good
Non-marking	✓	✓	✓	✓
Chemical resistance	Refer to 'Chemical resistance', page 36-37	Refer to 'Chemical resistance', page 36-37	Refer to 'Chemical resistance', page 36-37	Refer to 'Chemical resistance', page 36-37
Bearing types (refer to page 60-61)	■ Ball bearing	■ Ball bearing	■ Ball bearing	■ Ball bearing ■ Wheel centre without ball bearing (bearing seat)
Options	■ Electrically conductive, non-marking (-ELS) ■ Stainless steel ball bearing (-XK)	■ Electrically conductive, non-marking (-ELS) ■ Stainless steel ball bearing (-XK)	■ Electrically conductive, non-marking (-ELS) ■ Stainless steel ball bearing (-XK)	■ With Blickle Softhane® polyurethane tread, HST series ■ Splash and washproof version (refer to HTHW series)
Additional considerations	■ At ambient temperatures above +35° C the load capacity is reduced. ■ Hydrolysis resistant	■ At ambient temperatures above +35° C the load capacity is reduced.	■ At ambient temperatures above +35° C the load capacity is reduced.	■ At ambient temperatures above +40° C the load capacity is reduced.
Page	433	434	435	438-440

Blickle wheel series

Rollers for pallet trucks / Wheels for stackers and forklift trucks


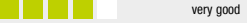







Series	HB	HTHW	HPO	RTH
Wheel Ø	80 - 85 mm	82 - 85 mm	80 - 85 mm	200 - 270 mm
Load capacity	440 - 760 kg	440 - 840 kg	420 - 1100 kg	
Tread / Tyre	High-quality polyurethane-elastomer Blickle Besthane®, brown. (Material description page 39)	High-quality polyurethane-elastomer Blickle Extrathane®, light brown. (Material description page 39)	High-quality, impact-resistant nylon, natural white. (Material description page 40)	High-quality polyurethane-elastomer Blickle Extrathane®, light brown. (Material description page 39)
Wheel centre / rim	Steel or grey cast iron.	Steel or grey cast iron.		Steel or grey cast iron or ductile cast iron.
Connection tread / tyre with wheel centre / rim	Casted tread.	Casted tread.		Casted tread.
Tread & tyre hardness	 92° ±3° shore A	 92° ±3° shore A	 70° ±5° shore D	 92° ±3° shore A
Temperature resistance	 -25° C - +70° C temporarily up to +90° C	 -25° C - +70° C temporarily up to +90° C	 -25° C - +80° C	 -30° C - +70° C temporarily up to +90° C
Rolling resistance	 excellent	 very good	 excellent	 good
Operating noise	 good	 good	 reasonable	 good
Floor surface preservation	 good	 good	 reasonable	 good
Non-marking	✓	✓	✓	✓
Chemical resistance	Refer to 'Chemical resistance', page 36-37	Refer to 'Chemical resistance', page 36-37	Refer to 'Chemical resistance', page 36-37	Refer to 'Chemical resistance', page 36-37
Bearing types (refer to page 60-61)	<ul style="list-style-type: none"> ■ Ball bearing ■ Wheel centre without ball bearing (with bearing seat) 	<ul style="list-style-type: none"> ■ Ball bearing, splash and washproof by nylon bushing 	<ul style="list-style-type: none"> ■ Ball bearing 	
Options	<ul style="list-style-type: none"> ■ Nylon wheel centre, hydrolysis resistant, HPOB series ■ Splash and washproof version, HBW series 	<ul style="list-style-type: none"> ■ With Blickle Softhane® polyurethane tread, HSTW series ■ With Blickle Besthane® polyurethane tread, HBW series 	<ul style="list-style-type: none"> ■ Stainless steel ball bearing (-XK) ■ Made of cast nylon, for applications requiring higher load capacity (refer to GSPO series) 	
Additional considerations	<ul style="list-style-type: none"> ■ At ambient temperatures above +40° C the load capacity is reduced. 	<ul style="list-style-type: none"> ■ At ambient temperatures above +40° C the load capacity is reduced. 	<ul style="list-style-type: none"> ■ At ambient temperatures above +35° C the load capacity is reduced. 	<ul style="list-style-type: none"> ■ At ambient temperatures above +40° C the load capacity is reduced. ■ Drive wheels are suitable for manufacturer no. listed on page 448-457.
Page	441	442-443	444	448-457

Blickle wheel series

Wheels for stackers and forklift trucks / Drive wheels



Series	RB	REV	GEVN	GSTN
Wheel Ø	230 - 343 mm	215 - 254 mm	160 - 620 mm	75 - 500 mm
Load capacity			250 - 3000 kg	200 - 4200 kg
Tread / Tyre	High-quality polyurethane-elastomer Blickle Besthane®, brown. (Material description page 39)	High-quality elastic solid rubber, drive-quality, black. REV 215x82/60-5-SG: Grey, non-marking. (Material description page 38)	High-quality elastic solid rubber, drive-quality, with steel-band, black. Wheel Ø 400 and 500 mm: Smooth rolling quality, steel-wire reinforced. (Material description page 38)	High-quality polyurethane-elastomer Blickle Softthane®, green. (Material description page 39)
Wheel centre / rim	Grey cast iron or ductile cast iron.	Grey cast iron or ductile cast iron.	Grey cast iron, plain bore keywayed in acc. to DIN 6885, lacquered, anthracite.	Grey cast iron, plain bore keywayed in acc. to DIN 6885, lacquered, silver.
Connection tread / tyre with wheel centre / rim	Casted tread.	Vulcanised or pressed-on tyre.	Steel-wired reinforced or pressed-on steel-band tyre.	Casted tread.
Tread & tyre hardness	 92° ± 3° shore A	 70° ± 5° shore A	 65° ± 3° shore A	 75° ± 5° shore A
Temperature resistance	 -30° C - +70° C temporarily up to +90° C	 -30° C - +80° C temporarily up to +100° C	 -30° C - +80° C temporarily up to +100° C	 -30° C - +70° C temporarily up to +90° C
Rolling resistance	 very good	 good	 good	 very good
Operating noise	 good	 very good	 very good	 very good
Floor surface preservation	 good	 very good	 very good	 very good
Non-marking	✓	Optional	—	✓
Chemical resistance	Refer to 'Chemical resistance', page 36-37	Refer to 'Chemical resistance', page 36-37	Refer to 'Chemical resistance', page 36-37	Refer to 'Chemical resistance', page 36-37
Bearing types (refer to page 60-61)				
Options			■ Steel-band tyre in friction wheel quality (-STR)	
Additional considerations	<ul style="list-style-type: none"> At ambient temperatures above +40° C the load capacity is reduced. Drive wheels are suitable for manufacturer no. listed on page 448-453, 456-457. 	<ul style="list-style-type: none"> At ambient temperatures above +60° C the load capacity is reduced. Drive wheels are suitable for manufacturer no. listed on page 448-454, 456. 	<ul style="list-style-type: none"> At ambient temperatures above +60° C the load capacity is reduced. The wheel centre is approx. 4 mm wider than the indicated wheel width. With a reduced load capacity, max. speeds of up to 16 km/h are permissible. 	<ul style="list-style-type: none"> At ambient temperatures above +40° C the load capacity is reduced.
Page	448-453, 456-457	448-454, 456	460	461

Blickle wheel series

Drive wheels / Hub fitting wheels



Series	GTHN	GBN	SPKVS	GEVA
Wheel Ø	75 - 1000 mm	100 - 1000 mm	200 - 300 mm	250 - 620 mm
Load capacity	300 - 25000 kg	350 - 25000 kg	2500 - 7000 kg	525 - 30000 kg
Tread / Tyre	High-quality polyurethane-elastomer Blickle Extrathane®, light brown. (Material description page 39)	High-quality polyurethane-elastomer Blickle Bestthane®, brown. (Material description page 39)	Mild steel, lightly oiled surface, plain bore keywayed in acc. to DIN 6885. (Material description page 40)	High-quality elastic solid rubber, smooth rolling quality, black. (Material description page 38)
Wheel centre / rim	Grey cast iron, plain bore keywayed in acc. to DIN 6885, lacquered, silver.	Grey cast iron, plain bore keywayed in acc. to DIN 6885, lacquered, silver.		Grey cast iron, with central hole, fixing holes are counter-sunk for mounting on conventional hub flanges, lacquered, anthracite.
Connection tread / tyre with wheel centre / rim	Casted tread.	Casted tread.		Steel-wire reinforced tyre, pressed-on.
Tread & tyre hardness	 92° ± 3° shore A	 92° ± 3° shore A	 190 - 230 HB	 65° ± 3° shore A
Temperature resistance	 -30° C - +70° C temporarily up to +90° C	 -30° C - +70° C temporarily up to +90° C	 -30° C - +300° C	 -30° C - +80° C temporarily up to +100° C
Rolling resistance	 very good	 excellent	 excellent	 very good
Operating noise	 good	 good	 sufficient	 very good
Floor surface preservation	 good	 good	 sufficient	 very good
Non-marking	✓	✓	✓	—
Chemical resistance	Refer to 'Chemical resistance', page 36-37	Refer to 'Chemical resistance', page 36-37	Refer to material description, page 40	Refer to 'Chemical resistance', page 36-37
Bearing types (refer to page 60-61)				
Options				■ Steel-band tyre in drive-quality (-STA)
Additional considerations	<ul style="list-style-type: none"> At ambient temperatures above +40° C the load capacity is reduced. 	<ul style="list-style-type: none"> At ambient temperatures above +40° C the load capacity is reduced. With a reduced load capacity, max. speeds of up to 16 km/h are permissible. 	<ul style="list-style-type: none"> Horizontal tread taper of 3°. The load capacities refer to the rail profiles A 45, A 55 and A 65 (DIN 536). Load capacity reduction of 50 % at +300° C. 	<ul style="list-style-type: none"> At ambient temperatures above +60° C the load capacity is reduced. With a reduced load capacity, max. speeds of up to 16 km/h are permissible.
Page	462-463	464-465	466	467

Blickle wheel series

Hub fitting wheels







Series	GSTA	GBA	PA	VLEA
Wheel Ø	200 - 400 mm	200 - 400 mm	400 - 536 mm	405 - 525 mm
Load capacity	700 - 2500 kg	900 - 3400 kg	250 - 1300 kg	950 - 1885 kg
Tread / Tyre	High-quality polyurethane-elastomer Blickle Softthane®, green. (Material description page 39)	High-quality polyurethane-elastomer Blickle Bestthane®, brown. (Material description page 39)	Pneumatic tyres with ribbed or zig-zag profile, 2 - 10 ply rating, black. (Material description page 38)	Super-elastic solid rubber, 3-component tyre, tough and hard rubber core, steel-wire reinforced, super-elastic cushion layer, abrasion-resistant tread, black. (Material description page 38)
Wheel centre / rim	Grey cast iron, with central hole, fixing holes are counter-sunk for mounting on conventional hub flanges, lacquered, silver.	Grey cast iron, with central hole, fixing holes are counter-sunk for mounting on conventional hub flanges, lacquered, silver.	Pressed steel rim, with central hole, fixing holes are counter-sunk for mounting on conventional hub flanges, zinc-plated, blue-passivated, Cr6-free or lacquered, silver.	Pressed steel flat based rim, pressed or bolted, with central hole, fixing holes are counter-sunk for mounting on conventional hub flanges, zinc-plated, blue-passivated, Cr6-free.
Connection tread / tyre with wheel centre / rim	Casted tread.	Casted tread.	Tyre mounted on rim.	Steel-wire reinforced tyre, mounted on rim.
Tread & tyre hardness	 75° +5° shore A	 92° ±3° shore A	 60° ±5° shore A	 70° ±4° shore A
Temperature resistance	 -30° C - +70° C temporarily up to +90° C	 -30° C - +70° C temporarily up to +90° C	 -30° C - +50° C	 -30° C - +80° C temporarily up to +100° C
Rolling resistance	 very good	 excellent	 good	 good
Operating noise	 very good	 good	 excellent	 very good
Floor surface preservation	 very good	 good	 excellent	 very good
Non-marking	✓	✓	—	Optional
Chemical resistance	Refer to 'Chemical resistance', page 36-37	Refer to 'Chemical resistance', page 36-37	Refer to 'Chemical resistance', page 36-37	Refer to 'Chemical resistance', page 36-37
Bearing types (refer to page 60-61)				
Options				<ul style="list-style-type: none"> ■ Non-marking tyre (-SN) ■ Antistatic, black tyre (-AS) ■ Drive wheel with hub keyway, VLEN series
Additional considerations	<ul style="list-style-type: none"> ■ At ambient temperatures above +40° C the load capacity is reduced. 	<ul style="list-style-type: none"> ■ At ambient temperatures above +40° C the load capacity is reduced. ■ With a reduced load capacity, max. speeds of up to 16 km/h are permissible. 	<ul style="list-style-type: none"> ■ With a reduced load capacity, max. speeds of up to 25 km/h are permissible. ■ Wheel width and wheel Ø may increase during operation. 	<ul style="list-style-type: none"> ■ At ambient temperatures above +60° C the load capacity is reduced. ■ With a reduced load capacity, max. speeds of up to 25 km/h are permissible. ■ Wheel width and wheel Ø may increase during operation. ■ Puncture-proof and maintenance-free.
Page	468	469	470	471

Blickle wheel series

Tyres/press-on bands



Series	BSEV	BEV	BTH	BB
Wheel Ø	250 - 525 mm	125 - 620 mm	125 - 610 mm	125 - 750 mm
Load capacity	400 - 1885 kg	160 - 4650 kg	420 - 6000 kg	420 - 10000 kg
Tread / Tyre	Super-elastic solid rubber, 2- or 3-component tyre, tough and hard rubber core, steel-wire reinforced, super-elastic, abrasion-resistant tread, black. (Material description page 38)	Elastic solid rubber press-on band, black. ZDG-version: Steel-wire reinforced, smooth rolling quality. ZST-version: Drive-quality. (Material description page 38)	High-quality polyurethane-elastomer Blickle Extrathane®, light brown. (Material description page 39)	High-quality polyurethane-elastomer Blickle Besthane®, brown. (Material description page 39)
Wheel centre / rim		ZST-version: Steel ring.	Steel ring.	Steel ring.
Connection tread / tyre with wheel centre / rim		ZST-version: Vulcanised tread.	Casted tread.	Casted tread.
Tread & tyre hardness	 70° ± 4° shore A	 65° ± 3° shore A	 92° ± 3° shore A	 92° ± 3° shore A
Temperature resistance	 -30° C - +80° C temporarily up to +100° C	 -30° C - +80° C temporarily up to +100° C	 -30° C - +70° C temporarily up to +90° C	 -30° C - +70° C temporarily up to +90° C
Rolling resistance	 good	 very good	 very good	 excellent
Operating noise	 very good	 very good	 good	 good
Floor surface preservation	 very good	 very good	 good	 good
Non-marking	Optional	Optional	✓	✓
Chemical resistance	Refer to 'Chemical resistance', page 36-37	Refer to 'Chemical resistance', page 36-37	Refer to 'Chemical resistance', page 36-37	Refer to 'Chemical resistance', page 36-37
Bearing types (refer to page 60-61)				
Options	■ Non-marking tyre (-SN)	■ Non-marking, natural colour tyre (-SN)		
Additional considerations	<ul style="list-style-type: none"> At ambient temperatures above +60° C the load capacity is reduced. Tyre is suitable for standard rims listed in the table on page 474. With a reduced load capacity, max. speeds of up to 25 km/h are permissible. 	<ul style="list-style-type: none"> At ambient temperatures above +60° C the load capacity is reduced. Suitable for wheel centres with outer diameter h11. With a reduced load capacity, max. speeds of up to 16 km/h are permissible. 	<ul style="list-style-type: none"> At ambient temperatures above +40° C the load capacity is reduced. Suitable for wheel centres with outer diameter h11. 	<ul style="list-style-type: none"> At ambient temperatures above +40° C the load capacity is reduced. Suitable for wheel centres with outer diameter h11. With a reduced load capacity, max. speeds of up to 16 km/h are permissible.
Page	474	475-476	477	478-479