

Wheels and castors with pneumatic tyres and super-elastic solid rubber tyres



Selection tool

Wheels and castors with pneumatic tyres and super-elastic solid rubber tyres



Series	PK	P	PS	VLE
Tread / tyre	Pneumatic tyres, 2 ply rating	Pneumatic tyres, 2 or 4 ply rating	Pneumatic tyres, 6–10 ply rating	Super elastic solid rubber *
Tread and tyre hardness	60 Shore A	60 Shore A	60 Shore A	70 Shore A
Non-marking	–	optional	–	optional
Electrical conductivity	–	–	–	optional
Wheel centre / rim	polypropylene	pressed steel	heavy pressed steel	heavy pressed steel
Wheel Ø	200–400 mm	180–415 mm	300–536 mm	250–525 mm
Load capacity up to	250 kg	525 kg	1,300 kg	1,885 kg
Smooth operation and floor preservation	■■■■■	■■■■■	■■■■■	■■■■■
Speeds up to	4 km/h	16 km/h	25 km/h	25 km/h
Corrosion-resistant	■■■■■	■■■■■	■■■■■	■■■■■
For a description of the wheel, refer to	page 242	page 243–244	page 246	page 249
For information about swivel and fixed castors, refer to	–	page 245	page 247	page 250–251

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■■■■■ excellent ■■■■■ very good ■■■■■ good ■■■■■ satisfactory ■■■■■ adequate ✓ yes – no

* 2-component or 3-component tyres

VLE series

**Heavy-duty wheels
with super-elastic solid rubber tyres,
with pressed steel rim**



450–1,885 kg

Tread and tyre hardness

70 Shore A

Smooth operation / floor preservation

very good

Rolling resistance

good

Wear resistance

good

Tyre:

- super-elastic solid rubber, steel-wire reinforced, hardness 70 Shore A
- very good operational comfort
- very good floor preservation, low-noise operation
- colour black
- wheel Ø 250–306 mm: 2-component tyre, highly-elastic, abrasion-resistant tread
- wheel Ø 405–525 mm: 3-component tyre, highly-elastic cushion layer, abrasion-resistant tread

Rim:

- heavy pressed steel
- bolted, with welded tubular steel hub or reinforced rim version
- zinc-plated, blue-passivated, Cr6-free

Other features:

- chemical resistance to many aggressive substances, except oils
- operating temperature: -20 °C to +80 °C, temporarily up to +100 °C, reduced load capacity over +60 °C
- puncture-proof, maintenance-free

Additional details:

- wheel series: page 65
- tread: page 54
- bearing types: page 84–85
- chemical resistance: page 51

Wheels	Wheel Ø (D) [mm]	Tyre width (T2) [mm]	Tyre size	Rim dimensions	Load capacity at 6 km/h [kg]	Load capacity at 25 km/h [kg]	Bearing type	Axle bore Ø (d) [mm]	Hub length (T1) [mm]	Profile type
Wheels with ribbed profile										
VLE 250/20-75K	250	85	3.00-4	2.50C-4	450	400	ball bearing	20	75	R50
VLE 250/25-75K	250	85	3.00-4	2.50C-4	450	400	ball bearing	25	75	R50
VLE 252/25-75K *	250	85	3.00-4	2.50C-4	600	475	ball bearing	25	75	R50
VLE 305/20-75K	306	105	4.00-4	2.50C-4	450	400	ball bearing	20	75	R50
VLE 305/25-75K	306	105	4.00-4	2.50C-4	450	400	ball bearing	25	75	R50
VLE 307/25-75K *	306	105	4.00-4	2.50C-4	700	535	ball bearing	25	75	R50
VLE 405/25-90K	405	105	4.00-8	3.00D-8	950	730	ball bearing	25	90	R50
VLE 405/30-90K	405	105	4.00-8	3.00D-8	950	730	ball bearing	30	90	R50
Wheels with zig-zag profile										
VLE 255/20-75K	250	85	3.00-4	2.50C-4	450	400	ball bearing	20	75	B51
VLE 255/25-75K	250	85	3.00-4	2.50C-4	450	400	ball bearing	25	75	B51
VLE 257/25-75K *	250	85	3.00-4	2.50C-4	600	475	ball bearing	25	75	B51
VLE 310/20-75K	306	105	4.00-4	2.50C-4	450	400	ball bearing	20	75	B50
VLE 310/25-75K	306	105	4.00-4	2.50C-4	450	400	ball bearing	25	75	B50
VLE 312/25-75K *	306	105	4.00-4	2.50C-4	700	535	ball bearing	25	75	B50
VLE 410/25-90K	405	105	4.00-8	3.00D-8	950	730	ball bearing	25	90	B50
VLE 410/30-90K	405	105	4.00-8	3.00D-8	950	730	ball bearing	30	90	B50
VLE 460/30-90K	455	120	5.00-8	3.00D-8	1,415	1,090	ball bearing	30	90	B50
VLE 530/45-120K	525	140	6.00-9	4.00E-9	1,885	1,450	ball bearing	45	120	B50

* Reinforced rim design

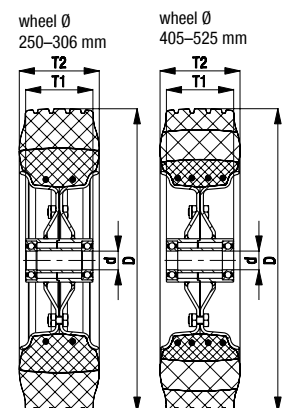
The wheel and tyre dimensions provided here apply to new tyres that are not bearing a load. The dimensions may change when they are in use. Profile types: R = ribbed profile, B = zig-zag profile, see page 252 for image

Other dimensions available upon request

Versions / options



	with non-marking grey tyre	antistatic version, black tyres	wheel with hub cap (end wheel)	hub fitting wheels	other versions
Technical description page	52	50	117	77	
Product code suffix	-SG	-AS	-E	VLEA series	
Available for	upon request	upon request	upon request	see page 549	upon request



L-VLE, B-VLE series

**Pressed steel castors, medium-duty version,
with top plate, heavy-duty wheel
with super-elastic solid rubber tyres**



450 kg

Bracket: L/B series

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

Swivel bracket:

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

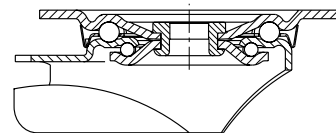
Wheel: VLE series

- tyre: super-elastic solid rubber, hardness 70 Shore A, colour black, 2-component tyre, highly-elastic, abrasion-resistant tread
- rim: heavy pressed steel, zinc-plated, blue-passivated, Cr6-free

Additional details:

- bracket series: page 91
- brakes: page 112–113
- wheel series: page 249
- bearing types: page 84–85

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Swivel castors	Fixed castors	Swivel castor with "stop-top" brake	Wheel Ø [mm]	Tyre width [mm]	Load capacity [kg]	Bearing type	Total height [mm]	Plate size [mm]	Bolt hole spacing [mm]	Bolt hole Ø [mm]	Offset swivel castor [mm]	Profile type
L-VLE 250K	B-VLE 250K	L-VLE 250K-ST	250	85	450	ball bearing	295	175 x 175	140 x 140	15	70	R50
			250	85	450	ball bearing	295	220 x 120	190 x 75	15	–	R50
L-VLE 255K	B-VLE 255K	L-VLE 255K-ST	250	85	450	ball bearing	295	175 x 175	140 x 140	15	70	B51
				250	85	450	ball bearing	295	220 x 120	190 x 75	15	–

Profile types: R = ribbed profile, B = zig-zag profile, see page 252 for image

Versions / options



	with non-marking grey tyre	antistatic version, black tyres
Technical description page	52	50
Product code suffix	-SG	-AS
Available for	upon request	upon request

LS-VLE, BS-VLE series

Welded steel heavy-duty castors, heavy-duty swivel head, heavy-duty wheel with super-elastic solid rubber tyres

450–1,885 kg

Bracket: LS/BS series

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

Swivel bracket:

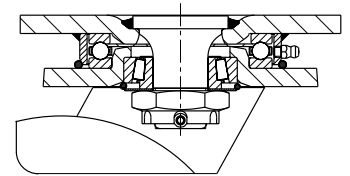
- axial grooved ball bearing ISO 104 and tapered roller bearing ISO 355 in the swivel head
- bolted and secured welded central kingpin, extremely strong
- dust and splash-proof
- grease nipple

Wheel: VLE series

- tyre: super-elastic solid rubber, hardness 70 Shore A, colour black. wheel Ø 250–306 mm: 2-component tyre, highly-elastic, abrasion-resistant tread. wheel Ø 405–525 mm: 3-component tyre, highly-elastic cushion layer, abrasion-resistant tread
- rim: heavy pressed steel, zinc-plated, blue-passivated, Cr6-free

Additional details:

- bracket series: page 94
- brakes: page 112–113
- wheel series: page 249
- bearing types: page 84–85



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Swivel castors	Fixed castors	Swivel castor with "stop-top" brake	Wheel Ø [mm]	Tyre width [mm]	Load capacity at 6 km/h [kg]	Bearing type	Total height [mm]	Plate size [mm]	Bolt hole spacing [mm]	Bolt hole Ø [mm]	Offset swivel castor [mm]	Profile type
LS-VLE 250K	BS-VLE 250K	LS-VLE 250K-ST	250	85	450	ball bearing	305	175 x 140	140 x 105	14	75	R50
LS-VLE 252K *	BS-VLE 252K *	LS-VLE 252K-ST *	250	85	600	ball bearing	305	175 x 140	140 x 105	14	75	R50
LS-VLE 255K	BS-VLE 255K	LS-VLE 255K-ST	250	85	450	ball bearing	305	175 x 140	140 x 105	14	75	B51
LS-VLE 257K *	BS-VLE 257K *	LS-VLE 257K-ST *	250	85	600	ball bearing	305	175 x 140	140 x 105	14	75	B51
LS-VLE 305K	BS-VLE 305K	**	306	105	450	ball bearing	358	200 x 160	160 x 120	14	85	R50
LS-VLE 307K *	BS-VLE 307K *	**	306	105	700	ball bearing	358	200 x 160	160 x 120	14	85	R50
LS-VLE 310K	BS-VLE 310K	**	306	105	450	ball bearing	358	200 x 160	160 x 120	14	85	B50
LS-VLE 312K *	BS-VLE 312K *	**	306	105	700	ball bearing	358	200 x 160	160 x 120	14	85	B50
LS-VLE 405K	BS-VLE 405K	**	405	105	950	ball bearing	473	200 x 160	160 x 120	14	100	R50
LS-VLE 410K	BS-VLE 410K	**	405	105	950	ball bearing	473	200 x 160	160 x 120	14	100	B50
LS-VLE 460K	BS-VLE 460K	**	455	120	1,415	ball bearing	518	200 x 160	160 x 120	14	110	B50
LS-VLE 530K	BS-VLE 530K	**	525	140	1,885	ball bearing	618	255 x 200	210 x 160	18	120	B50
			525	140	1,885	ball bearing	618	255 x 220	210 x 160	18	–	B50

* Reinforced rim design

** "Radstop" brake version

Profile types: R = ribbed profile, B = zig-zag profile, see page 252 for image

Versions / options



	with non-marking grey tyre	antistatic version, black tyres	with "Radstop" wheel brake	with directional lock 4 x 90°
Technical description page	52	50	113	115
Product code suffix	-SG	-AS	-RA	-RI4
Available for	upon request	upon request	upon request	wheel Ø 250–455 mm

**Profile types
of super-elastic solid rubber tyres**

Ribbed profile

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R50

Zig-zag profile



B50



B51