


Heavy duty wheels and castors with super-elastic solid rubber tyres

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	VLE			L	LS
	Series	VLE	L-VLE	LS-VLE	
	Wheel Ø	250 - 525 mm	250 mm	250 - 525 mm	
	Load capacity	450 - 1885 kg	450 kg	450 - 1885 kg	
	Page	202	203	204	

Series: VLE

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

450 - 1885 kg

RoHS



Tread & tyre hardness		70° shore A
Temperature resistance		-25° C - +80° C temporarily up to +100° C
Rolling resistance		good
Operating noise		very good
Floor surface preservation		very good

VLE-wheel series:

Tyres: Made of super-elastic solid rubber, tough and hard rubber core, steel-wire reinforced, very high operational comfort, very good floor preservation, colour black.
 Wheel Ø 250-306 mm: 2-component tyre, super-elastic, abrasion-resistant tread.
 Wheel Ø 405-525 mm: 3-component tyre, super-elastic cushion layer, abrasion-resistant tread. (Material description page 38)
Rims: Made of heavy pressed steel, bolted, with welded tubular steel hub or reinforced rim version, zinc-plated, blue-passivated, Cr6-free.

Bearing type:

• Ball bearing: Two pressed-in ball bearings, lubricated with long-life grease.

Other features:

Chemical resistance to many aggressive substances, except oils (table page 36-37).
 Operating temperature: -25° C to +80° C, temporarily up to +100° C.
 At ambient temperatures above +60° C the load capacity is reduced.

An alternative to pneumatic tyres - Advantages: Puncture-proof, maintenance-free under standard conditions, good stability, precise steering behaviour.

Wheel series overview page 46

With a reduced load capacity, max. speeds of up to 25 km/h are permissible.

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Wheels with ribbed profile	Wheels with zig-zag profile	Wheel Ø * (D) [mm]	Tyre width * (T2) [mm]	Tyre dimension	Rim dimension	Load cap. at 6 km/h [kg]	Load cap. at 25 km/h [kg]	Bearing type	Axle bore Ø (d) [mm]	Hub length (T1) [mm]	Profile ribbed profile **	Profile zig-zag profile **
VLE 250/20-75K	VLE 255/20-75K	250	85	3.00-4	2.50C-4	450	400	Ball bearing	20	75	R50	B51
VLE 250/25-75K	VLE 255/25-75K	250	85	3.00-4	2.50C-4	450	400	Ball bearing	25	75	R50	B51
VLE 252/25-75K ***	VLE 257/25-75K ***	250	85	3.00-4	2.50C-4	600	475	Ball bearing	25	75	R50	B51
VLE 305/20-75K	VLE 310/20-75K	306	105	4.00-4	2.50C-4	450	400	Ball bearing	20	75	R50	B50
VLE 305/25-75K	VLE 310/25-75K	306	105	4.00-4	2.50C-4	450	400	Ball bearing	25	75	R50	B50
VLE 307/25-75K ***	VLE 312/25-75K ***	306	105	4.00-4	2.50C-4	700	535	Ball bearing	25	75	R50	B50
VLE 405/25-90K	VLE 410/25-90K	405	105	4.00-8	3.00D-8	950	730	Ball bearing	25	90	R50	B50
VLE 405/30-90K	VLE 410/30-90K	405	105	4.00-8	3.00D-8	950	730	Ball bearing	30	90	R50	B50
	VLE 460/30-90K	455	120	5.00-8	3.00D-8	1415	1090	Ball bearing	30	90	R50	B50
	VLE 530/45-120K	525	140	6.00-9	4.00E-9	1885	1450	Ball bearing	45	120	R50	B50

* Wheel and tyre dimensions are valid for unloaded, new tyres and may slightly change during operation

** Refer to image on page 205

*** Reinforced rim version

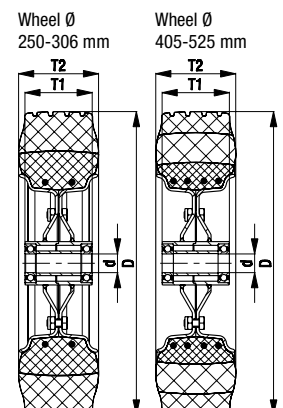
Further dimensions upon request

Options



	With non-marking tyre ****	Antistatic version, black tyre	Wheel with hub cap (end wheel)	Hub fitting wheels	Further versions
Technical description page	38	36, 38	85	58	
Product code suffix	-SN	-AS	-E	VLEA series	
Available for	upon request	upon request	upon request	refer to page 471	upon request

**** Wheel Ø 250 mm non-marking grey, others non-marking natural colour

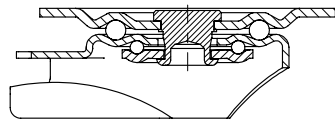


Series: L-VLE, B-VLE

Pressed steel castors, medium duty brackets, with top plate fitting, heavy duty wheel with super-elastic solid rubber tyre

450 kg

RoHS



Brackets: L/B series - Made of pressed steel, swivel bracket with double ball bearing in the swivel head, strong central kingpin. The special Blickle dynamic riveting process of the swivel head results in minimal swivel head play and smooth rolling characteristics with an increased service life achieved by the work hardening of the ball race grooves. Bolted wheel axle. Zinc-plated, blue-passivated, Cr6-free. Bracket overview: Page 65 Top plate drawings: Page 77 Wheel and swivel head 'stop-top' brake: Page 80

Wheels: VLE series - Tyres: 2-component tyres with hard rubber core and super-elastic, abrasion-resistant tread, black. Rims: Made of heavy pressed steel, bolted (flat based rim), with tubular steel hub, zinc-plated, blue-passivated, Cr6-free. Bearing type: Two pressed-in ball bearings. Detailed description: Page 202 and 46



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Swivel castors	Fixed castors	Swivel castors 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 *
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
L-VLE 255K		L-VLE 255K-ST	250	85	450	Ball bearing	295	175 x 175	140 x 140	15	70	B51
	B-VLE 255K		250	85	450	Ball bearing	295	220 x 120	190 x 75	15		B51

* R = Ribbed profile, B = Zig-zag profile, refer to image on page 205

Options



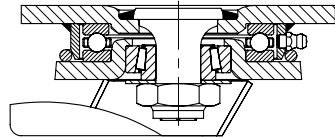
	With non-marking tyre	Antistatic version, black tyre
Technical description page	38	36, 38
Product code suffix	-SN	-AS
Available for	upon request	upon request

Series: LS-VLE, BS-VLE

Welded steel heavy duty castors, strong swivel head design, heavy duty wheel with super-elastic solid rubber tyre

450 - 1885 kg

RoHS



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Brackets: LS/BS series - Particularly rugged welded steel construction, swivel bracket with axial grooved ball bearing DIN 711 and tapered roller bearing DIN 720 in the swivel head, dust and splash-proof, fitted grease nipple, bolted and secured with a welded very strong central kingpin. Bolted wheel axle. Zinc-plated, yellow-passivated, Cr6-free. Bracket overview: Page 68 Top plate drawings: Page 78 Wheel and swivel head 'stop-top' brake: Page 80

Wheels: VLE series - Tyres: With hard rubber core, black. Wheel Ø 250-306 mm: 2-component tyres, super-elastic, abrasion-resistant tread. Wheel Ø 405-525 mm: 3-component tyres, super-elastic cushion layer, abrasion-resistant tread. Rims: Made of heavy pressed steel, bolted (flat based rim), with tubular steel hub or reinforced rim version, zinc-plated, blue-passivated, Cr6-free. Bearing type: Two pressed-in ball bearings. Detailed description: Page 202 and 46

Swivel castors	Fixed castors	Swivel castors 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 *
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 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 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 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 310K	BS-VLE 310K	***	306	105	450	Ball bearing	358	200 x 160	160 x 120	14	85	B50
LS-VLE 307K **	BS-VLE 307K **	***	306	105	700	Ball bearing	358	200 x 160	160 x 120	14	85	R50
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	1415	Ball bearing	518	200 x 160	160 x 120	14	110	B50
LS-VLE 530K	BS-VLE 530K	***	525	140	1885	Ball bearing	618	255 x 200	210 x 160	18	120	B50
			525	140	1885	Ball bearing	618	255 x 220	210 x 160	18		B50

* R = Ribbed profile, B = Zig-zag profile, refer to image on page 205

** Reinforced rim version

*** For the 'Radstop' brake version refer to 'Options'

Options



	With non-marking tyre ****	Antistatic version, black tyre	With 'Radstop' wheel brake	With directional lock 2 x 180°	With directional lock 4 x 90°
Technical description page	36	36, 38	81	83	83
Product code suffix	-SN	-AS	-RA	-RI2	-RI4
Available for	upon request	upon request	upon request	wheel Ø 250-455 mm	wheel Ø 250-455 mm

**** Wheel Ø 250 mm non-marking grey, others non-marking natural colour

Super-elastic solid rubber tyres profiles

✓RoHS

Ribbed profile



R50

Zig-zag profile



B50



B51