

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

