

AL-KO

QUALITY FOR LIFE

MERCEDES-BENZ SPRINTER WITH AL-KO LIGHTWEIGHT CHASSIS



AL-KO
CHASSIS TECHNOLOGY
UNDERSIDE

Mercedes-Benz
VanPartner

AL-KO CHASSIS TECHNOLOGY

INCREASED PAYLOAD

The intelligent AL-KO lightweight chassis with a permitted gross weight of up to 4,500 kg (2-axle) or 5,500 kg (3-axle) enables a significantly higher payload.

GREATER CUSTOMISATION

Variable wheelbases and overhangs in conjunction with the offered axle gauges enable a customised solution for nearly all motorhome, horsebox, promotional, sales and office vehicle bodies for optimal axle distribution.

WIDE TRACK CHASSIS

The larger rear axle gauge, up to 210 mm compared to the original series chassis, results in improved roll stability, thus ensuring excellent driving dynamics, the best possible safety and outstanding driving comfort.

TRAILING ARM AXLE

The perfectly coordinated AL-KO trailing arm axle with independent wheel suspension and torsion bar suspension ensures impressive car-like suspension comfort. For the highest demands for comfort, the new AL-KO Air Premium full air suspension system with automatic level control, lifting/lowering and auto-level function is also available as an option.



Figure shows special equipment!





EASY TO SERVICE

Bolted frame parts are easy to service, ensuring shorter periods of downtime for repairs.



LONG SERVICE LIFE

Hot-dip galvanised chassis structure guarantees optimal corrosion protection.

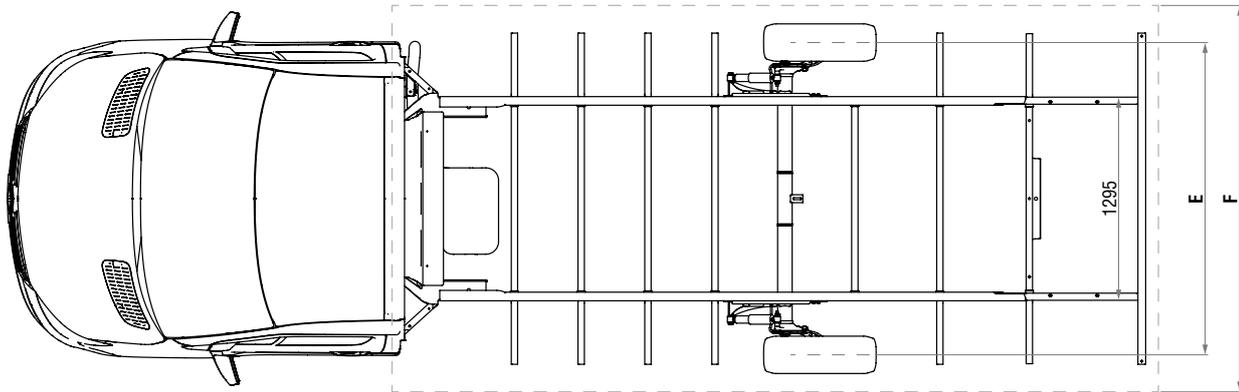
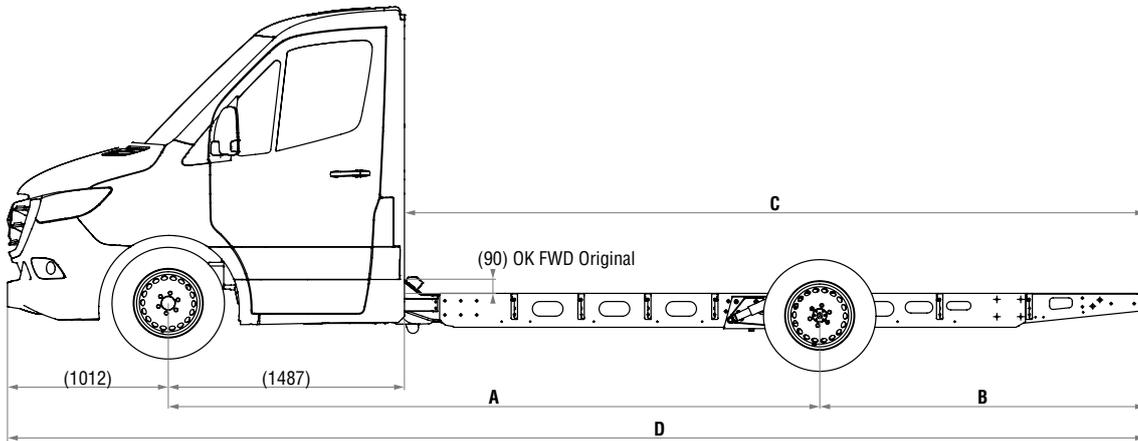
ESP/ESC

ESP/ESC (electronic stability program) is also available for the 2- and 3-axle AL-KO-CHASSIS based on the Mercedes-Benz Sprinter as a standard additional safety feature for all AL-KO chassis variants. In addition, the Mercedes-Benz Sprinter with the AL-KO lightweight chassis offers exemplary safety with a multitude of additional driver assistance systems for various transport profiles and customer requirements.

Mercedes-Benz
VanPartner

TECHNICAL DATA

AL-KO 2-AXLE MODEL

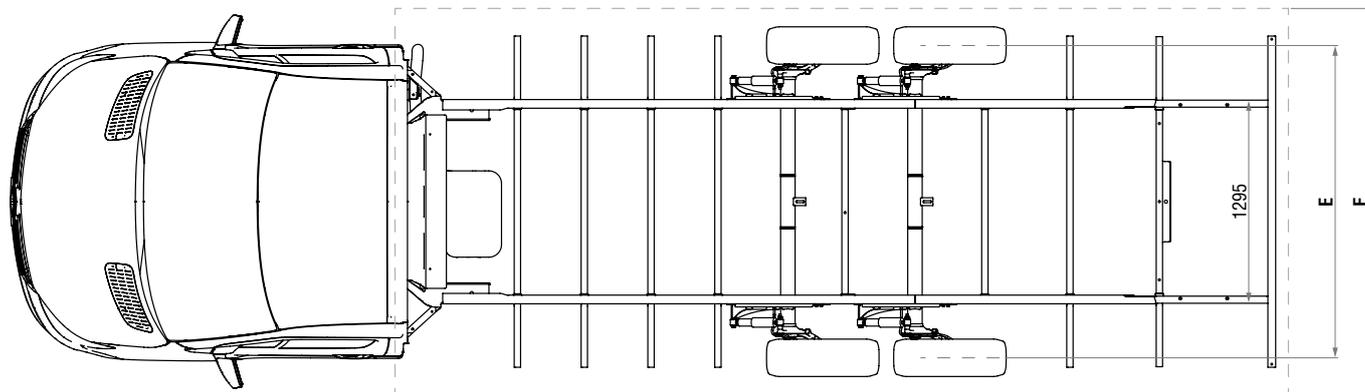
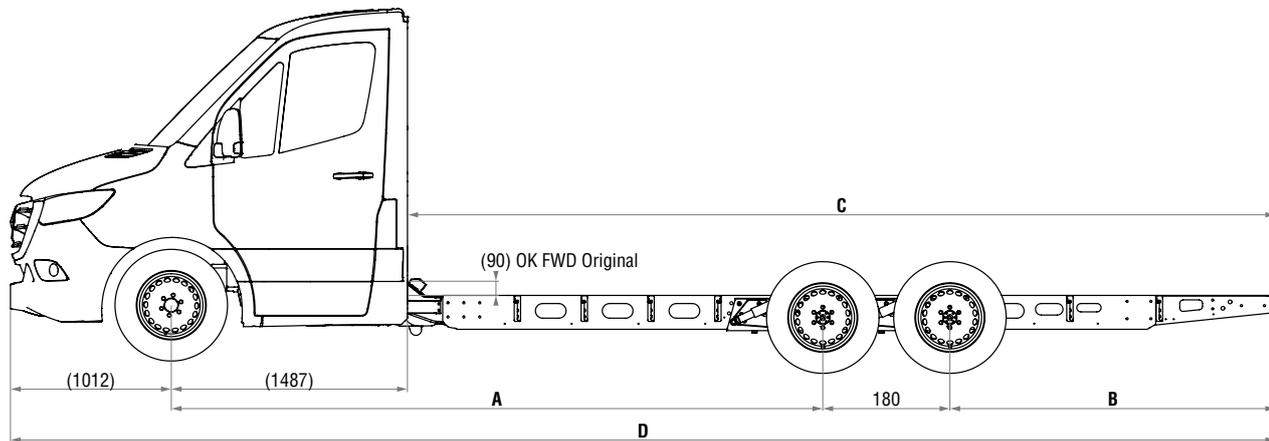


Chassis dimensions (2-axle model)

A Wheelbase	B Chassis overhang	C Frame length	D Overall vehicle length (without body)	E Rear axle track width	F Body width
3,600 – 4,800 mm	780 – 2,500 mm <i>Vehicle overhang: up to 60% of the wheelbase, but max. 2,600 mm</i>	2,893 – 5,813 mm	5,392 – 8,312 mm	1,890 mm ¹⁾ / 1,980 mm	2,020 – 2,450 mm

¹⁾ Air Premium air suspension not possible in conjunction with track width 1890 mm

AL-KO 3-AXLE MODEL



Chassis dimensions (3-axle model)

A Wheelbase	B Chassis overhang	C Frame length	D Overall vehicle length (without body)	E Rear axle track width	F Body width
3,800 – 4,800 mm	780 – 2,500 mm <i>Vehicle overhang: up to 60% of the wheelbase, but max. 2,600 mm</i>	3,893 – 6,613 mm	6,392 – 9,112 mm	1,980 mm	2,020 – 2,450 mm

TYPE OVERVIEW

TECHNICAL DATA & EQUIPMENT

Number of axles	Power head basic design & weight variants	Transmission ¹⁾	Hand-brake ²⁾	Perm. gross weight kg	Perm. front axle load kg	Perm. rear axle load kg	Perm. towable load kg	Perm. gross combination weight kg	Wheels/tyres
2-axle	BM910.030 3.5t (IT4)	SG / AG	M / E	3,500	1,850	2,100	2,000	5,500	225/75 R16CP ⁵⁾
	BM910.040 3.88 t (IT9+XL8)	SG / AG	M / E	4,500	2,100	2,430 / 2,500 ⁴⁾	2,000	5,880	225/75 R16CP ⁵⁾
	BM910.040 4.2 t (IT9+XB6)	SG / AG	M / E	4,500	2,100	2,430 / 2,500 ⁴⁾	2,000	5,880	225/75 R16CP ⁵⁾
3-axle	BM910.040 4.2t (IT9 + XB6 + ZC4)	SG / AG	M / E ³⁾	5,500	2,100	2 x 1,800	2,000	5,880	225/75 R16CP ⁵⁾

¹⁾ Available transmission variants:
SG – 6-gear manual transmission (standard)
AG – 9-speed automatic transmission (option)

³⁾ Electric parking brake only available in combination with automatic transmission

²⁾ Available parking brake variants
M – Mechanical handbrake (standard)
E – Electric handbrake (option)

⁴⁾ 2.5 t perm. rear axle load only in combination with 16" Mercedes-Benz light alloy wheel (option RL5/RM3) and tyres (option RC3/RM1/RM7)

⁵⁾ Optional: 235/60 R17C on 17" Mercedes-Benz alloy wheel

Required/useful if needed:

Large mirror head:	Body width 2,100 to 2,190 mm	Mercedes option FT1
Extended mirror holder:	Body width 2,190 to 2,300 mm	Mercedes option FS1
Extra-long mirror holder:	Body width 2,300 to 2,450 mm	Mercedes option FS2
Electrical system for trailer socket:	Disconnection point behind the driver's seat box	Mercedes option E57



AL-KO CHASSIS

ACCESSORIES / SPECIAL EQUIPMENT

MECHANICAL CLICKFIX STEADY LEG



- | Robust construction for firm, secure positioning
- | Quick and easy operation: Just half a turn of the crank is enough to move the steady leg into the vertical support position
- | Integrated free-swivelling mechanism
- | High-quality surface protection
- | Dynamic load capacity 500 kg, static 1,000 kg

TOWBAR



- | Precisely correlated to the AL-KO CHASSIS
- | With the highest level of safety
- | Low mounting effort
- | High-quality surface protection
- | In rigid and removable versions

AIR PREMIUM - FULL AIR SUSPENSION SYSTEMS



- | In preparation
- | Optimal suspension comfort
- | Fully automatic level regulation
- | Many lifting/lowering functions
- | Softtouch remote control as standard
- | Maintenance-free
- | Optionally for AL-KO rear axle(s) (Air Premium X2) or for front and rear axle(s) (Air Premium X4)
- | Automatic levelling function (Air Premium X4)



Member of **DEXKO**
GLOBAL

ALOIS KOBER GMBH

Ichenhauser Straße 14
89359 Kötz

Germany

T +49 8221 97-0

info@alko-tech.com

www.alko-tech.com

Part No. 499893 – Subject to changes in line with technical progress.
No liability accepted for mistakes and printing errors. Issue 08/2022

