



**AL-KO**  
QUALITY FOR LIFE

# FIAT DUCATO

## AL-KO COMMERCIAL VEHICLE CHASSIS 13"



# AL-KO VEHICLE TECHNOLOGY

## QUALITY FOR LIFE

### FROM THE VILLAGE FORGE TO A GLOBAL CORPORATION

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Our roots were planted in a small village smithy. The fact that a global corporation has emerged from these humble roots is also because we are constantly aware of what our identity represents and what values the company has always embodied: Quality, innovation in product and process as well as reliability and sustainability in our internal and external customer relations. That is the basis of our pursuit for sustainable growth and market leadership in our business divisions.

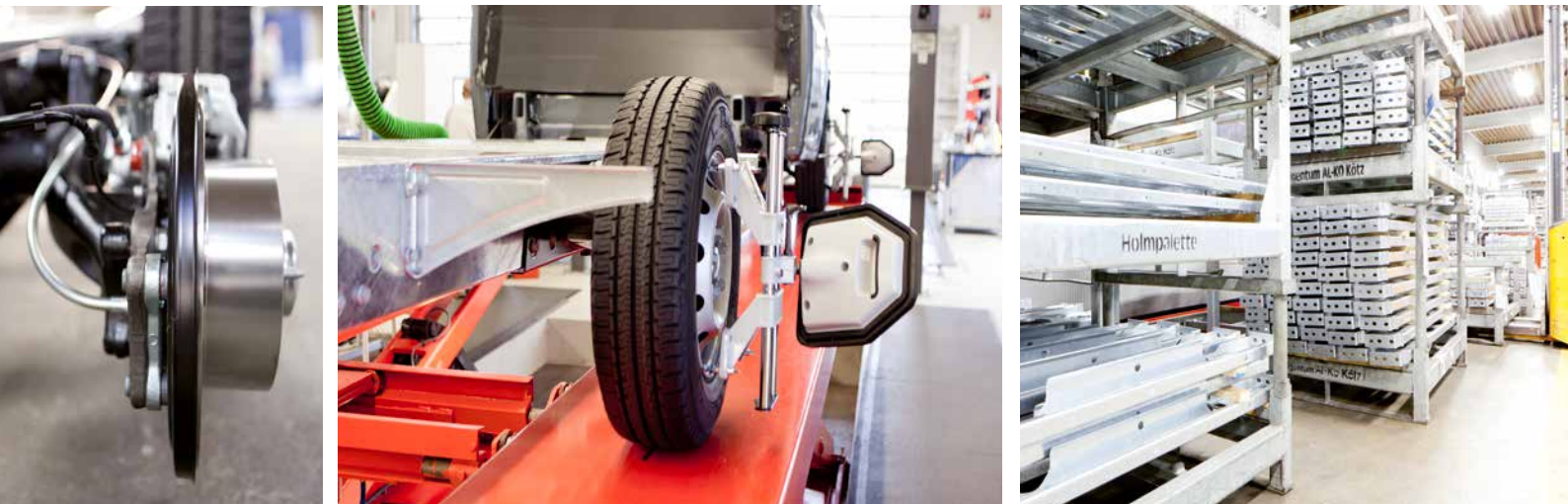
Since 2016 we have made our contribution to the DexKo Group, the world's leading manufacturers of axles and chassis components in the lightweight segment. We are proud to continue in successfully shaping this development together with the DexKo and to convey our brand promise of quality, safety and comfort for our products and services to the world.



### LIFE FOR QUALITY

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We love quality. We live quality. And we have the right answer for virtually all transport requirements in our sector. AL-KO Vehicle Technology is safety and quality in one: from the product to delivery. We want our customers to be satisfied and successful. **Quality for life!**



## FOR WHEN THE BEST IS EXPECTED

Founded in 1931, AL-KO Vehicle Technology is now a global technology company with around 30 sites in Europe, South America, Asia and Australia. Offering high-quality chassis components for trailers, leisure vehicles and light commercial vehicles, AL-KO stands for optimum ergonomics and functionality, highest comfort as well as innovations for greater driving safety.

Every year AL-KO manufactures a five-digit number of innovative automotive chassis in five works worldwide. The largest production facility is the works in Ettenbeuren in the south of Germany.



## RESEARCH AND DEVELOPMENT

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Research and development are firmly involved in the product creation process from the initial idea right through to production. The result: Innovative solutions that satisfy the most demanding requirements. In close coordination and collaboration with the state-of-the-art Testing Department, our engineers at the new Technology Centre push individual components, assemblies, and even finished products to the limit every day.

We are proud of our customized, state-of-the-art testing facilities that enable the most stringent service life and wear tests in real application conditions. In our market environment, they offer unique opportunities for the testing of individual components and entire vehicles. Only what is assessed as flawless finally receives our „Quality for Life“ award!





## AL-KO CHASSIS-TECHNOLOGY

With the AL-KO CHASSIS, we set standards in the van class. This applies for high frame chassis, but also for low frame chassis that enable low loading sills and low total vehicle heights. This has a positive effect on the fuel consumption and driving characteristics. A highlight is the 3-axle low-floor chassis with 13" tyres, consistent loading area as well as standard disc brakes and torsion guide rear axles.

## FLEET OPTIMISATION

Why operate six vehicles when five perform the same transport capacity? We are the specialists for new innovative and intelligent solutions for optimising fleets. The basis is formed by our variable lightweight CHASSIS construction in a 2- or 3-axle variant with wide track chassis and independent suspension. This is the basis for additional load capacity, greater load volumes, more ergonomics – and much higher cost effectiveness.

Use the QR-Code or our internet adress for further information about Total Cost of Ownership:

**[www.alko-tech.com/en/save-fleet-costs](http://www.alko-tech.com/en/save-fleet-costs)**



# AL-KO COMMERCIAL VEHICLE CHASSIS 13“

## MORE PAYLOAD

Thanks to the intelligent lightweight technology.

## LONG SERVICE LIFE

Hot dip-galvanized parts guarantee optimal protection against corrosion.

## EASY TO SERVICE

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



## MORE TRANSPORT VOLUME

Variable wheelbases and overhangs work together to satisfy a wide range of transport requirements. These ensure optimal weight distribution and impressive drive stability. The maximum frame length is 6.430 mm. For example, box bodies are with a load volume of over 35m<sup>3</sup> are achievable.

Figure shows special equipment



## BODY ADVANTAGES

The tandem torsion beam rear axle with 13 inch tyres permits bodies with lower and flatter load surfaces, without needing wheel arches in the bodywork. The perfectly tuned tandem rear axle assembly with disc brakes, impresses with excellent suspension and superior driving dynamics. The maintenance-free rear axle assembly is available with either a steel suspension or with the AL-KO Air Premium X2 full air suspension (optional extra).

The Air Premium X2 full air suspension with automatic level control system is characterised by excellent suspension comfort and the manual lifting/lowering function to adjust and/or reduce the loading height.

## ESP

ESP (Electronic Stability Program) is available as standard, improving the safety of the vehicle. The ESP features include LAC (adaptive load control), ROM (rollover prevention), Traction + (electronic traction control), HH (hill start assistance) and HDC (hill descent assistance).



**AL-KO**  
CHASSIS TECHNOLOGY  
UNDERSIDE

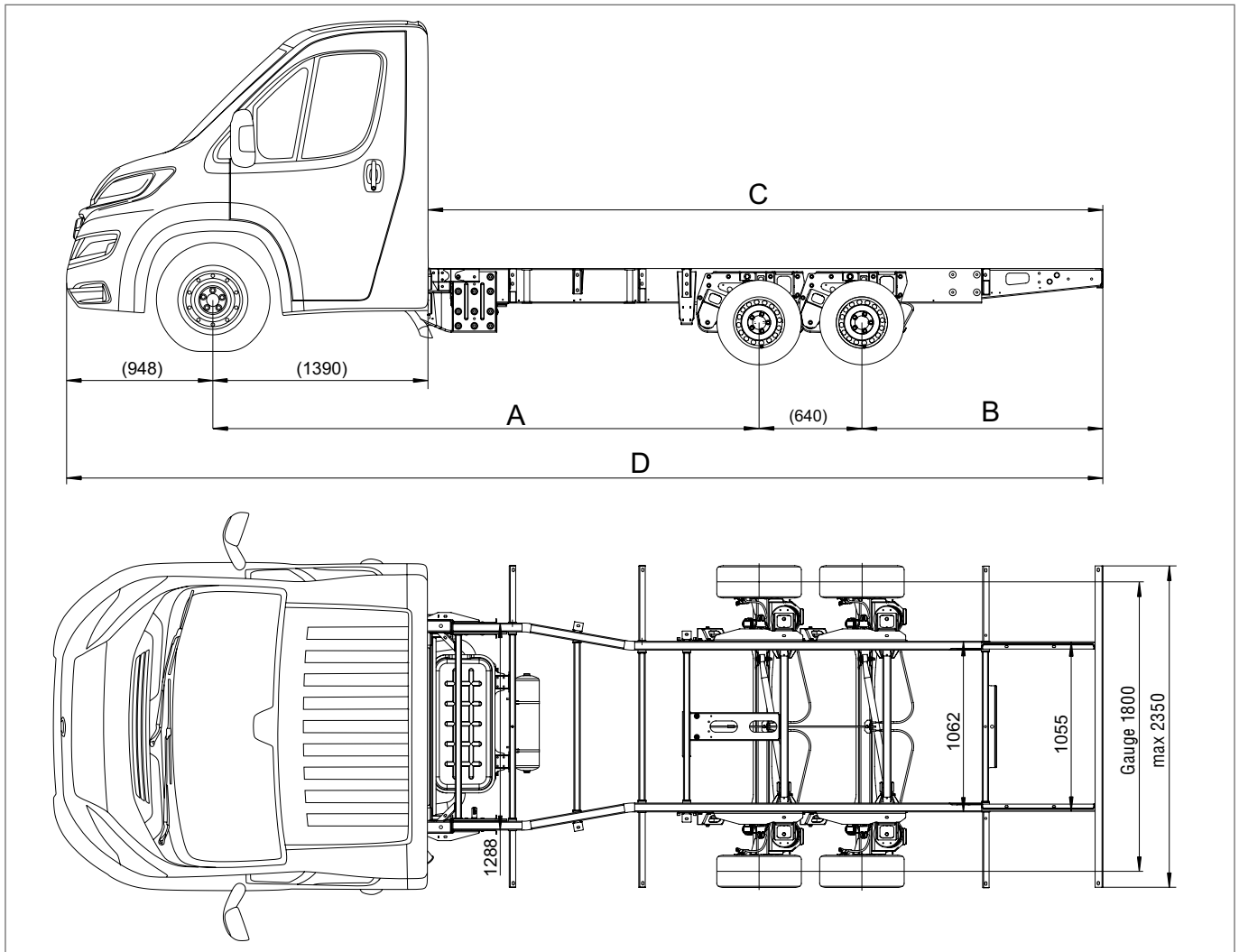


3-axle AL-KO CHASSIS with  
13"-torsion guide rear axles

### BASE VEHICLE

Fiat Ducato tension head 35 L / 36.5 L

# TECHNICAL DATA



## STANDARD DIMENSIONS

A wheelbase	B chassis overhang	Body overhang	C frame length	D vehicle length
min. 3,450 mm – max. 4,680 mm	max. 60% of wheelbase A, max. 2,500 mm	max. 65% of wheelbase A, max. 2,700 mm	max. 6,430 mm	max. 8,767 mm (chassis) max. 8,967 mm (incl. body)

## FRAME HEIGHT AT REAR AXLE

(Approx. values)

STEEL SUSPENSION		AIR PREMIUM X2 FULL AIR SUSPENSION	
l empty (2 x 625 kg rear axle load)	660 mm	Constant, independent of the load condition (autom. level control)	625 mm (Fahrniveau)
l loaded (2 x 1,050 kg rear axle lod; 3.5 t perm. TW)	615 mm	Raising/Lowering from driving level	
		• Raising	approx. +25 mm
		• Lowering	approx. - 80 mm
		Added weight	approx. + 5 kg



# TYPE OVERVIEW, PERMISSIBLE WEIGHTS, AXLE AND TRAILER WEIGHTS

Type	Base vehicle Fiat Ducato	Vehicle class	Total permitted weight kg	Permitted front axle load kg	Permitted rear axle load kg	Permitted trailer weight kg	Permitted gross train weight kg	Tyres	Rear axle brakes	ESP
AMC35LU <sup>1)</sup>	35L / 36,5L	M1*/N1	3,500	1,850	1,050 / 1,050	2,500 <sup>2)</sup>	5,500	Front axle: 215/70R15C od. 225/70R15C Rear axle: 195/50R13C	Disc	•

<sup>1)</sup> Due to the speed index of the 13" rear axle tyres, the speed is limited to 140 km/h for AMC35LU type vehicles (vehicle classes M1 / N1)

<sup>2)</sup> Note gross train weight

\* = M1 with special purpose vehicles

• = Standard equipment

## IMPORTANT ORDERING INFORMATION

**Please note for the power head disposition:**

**Base vehicle Fiat Ducato cab Type 35 / 36.5L**

**Mandatory:**

! Tyres:

215/70 R15 C oder 225/70 R15 C

(16 inch tyres not permitted!)

! Pre-cabing ABH (elec. interface B pillar)

e.g. Fiat order no. 081

**May be required / advisable:**

! Wing mirror for vehicle width 2.20 m

(Not available for retrofitment by AL-KO)

e.g. Fiat order no. 036

! Wing mirror for vehicle width 2.35 m

(Not available for retrofitment by AL-KO)

e.g. Fiat order no. 042

! Rear lights cable extension – loose

(Not supplied by AL-KO)

e.g. Fiat order no. 391

! Original rear lights – loose

(Not supplied by AL-KO)

e.g. Fiat order no. 4EA

# ACCESSORIES/SPECIAL EQUIPMENT

## SPARE WHEEL HOLDER



- | Secure spare wheel attachment to the chassis rear
- | Problem-free retrofitting for most AL-KO CHASSIS with a straight rear structure
- | Low assembly effort – easy assembly with standard on-board tool kits

## TOWING HITCH



- | Customized exactly to the AL-KO CHASSIS
- | Offer the highest degree of safety
- | Only for AL-KO CHASSIS and/or AL-KO frame extensions
- | Low assembly effort
- | High-quality surface protection

## AIR PREMIUM FULL AIR SUSPENSION SYSTEM



- | Optimal suspension comfort
- | Fully automatic level control
- | Versatile lifting/lowering functions
- | Comes standard with soft touch remote control
- | Maintenance-free
- | Either for AL-KO rear axles (Air Premium X2)



## STEP



- | Safe loading and unloading
- | Non-slip and wider tread
- | Easier on the back and joints
- | Prevents damage to the vehicle frame
- | Corresponds to accident prevention regulations
- | IFA tested

## LIGHT BRACKET



- | Available in black (other colours upon request)
- | Optional with position lights incl. holder (short/long)
- | Optional with LED lighting

## APPLICATION EXAMPLES



Box vehicle



Car transporter



Car transporter



**AL-KO**  
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