

AL-KO OCTAGON

Shock Absorber

AL-KO



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IMPROVED RIDE COMFORT & ROADHOLDING

QUALITY FOR LIFE

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IMPROVED RIDE COMFORT & ROADHOLDING

MANUFACTURED BY INDUSTRY LEADERS AL-KO, AND CONFORMING TO THE HIGHEST STANDARDS, THE OCTAGON SHOCK ABSORBERS PROVIDE A HOST OF FEATURES AND TECHNOLOGICAL INNOVATIONS UNIQUE TO THE RANGE;



PRODUCT FEATURES

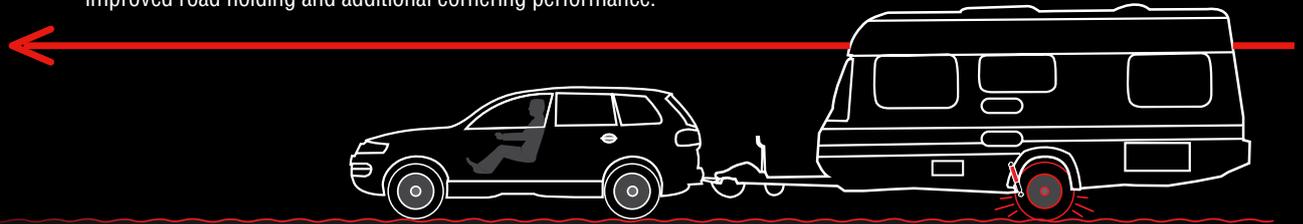
- Designed exclusively for Euro-Axles
- Four weight ranges provide optimum damping for your caravan.
- Provided with a complete retro-fit kit for simple, quick installation.
- Colour coded for easy identification
- Improved ride comfort and road holding
- Robust, resilient technology - Highly resilient seal between the inner and outer tubes to protect the piston shaft from dust and dirt.
- Overload protector - prevents overstressing of material (over stressing decreases the response curve).
- Longer life - High quality seals used throughout for longer life.
- Minimal Friction - The piston valve is manufactured in chromated sintered material. This minimises friction and the accumulation of dirt and also considerably increases shock absorber life.
- Temperature resistance - AL-KO uses a specific oil which is unaffected by temperature. Chemical additives prevent the formation of bubbles and inhibit noise.

COMFORT AND ASSURANCE

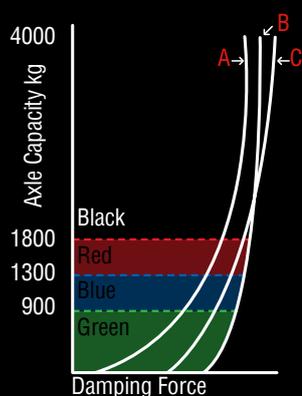
For unparalleled levels of comfort and assurance AL-KO has created the Octagon Shock Absorber range. A selection of four, colour coded devices provides the optimum level of support and damping for your trailer or caravan.

Shock absorber technology unique to Octagon suppresses the effects of uneven road surfaces providing a smoother, more enjoyable ride. With an improved ride comes additional support for the caravan or trailer, vastly increasing stability and road holding ability.

Increased stability from Octagon Shock Absorbers provides improved road holding and additional cornering performance.



Additional damping support efficiently suppresses uneven road surfaces and ensures a safer, more comfortable ride.



The Hysteresis Diagram (left) demonstrates the improved damping performance provided by the AL-KO Octagon Shock Absorber on a single axle chassis.

- A - Damping curve AL-KO hexagonal rubber suspension axle
- B - Damping curve of previous dampers
- C - Optional curve of AL-KO Octagon damper

PART NO.	601204	601205	601206	601207
Colour code				
Single Axle Weight (GVW)	Up to 900kg	901-1300kg	1301-1800kg	1801-4000kg
Tandem Axle Weights (GVW)	Up to 1600kg	1601-2600kg	2601-3500kg	3501-7500kg

SIMPLE, EASY FITMENT

Designed specifically to complement the ALKO Euro-Axle, the Octagon Shock Absorber is available as a comprehensive retro-fit kit.

Getting on the road with your Octagon Shock Absorber could not be simpler. Each retro-fit kit contains two AL-KO shock absorbers, four mounting brackets and all the necessary fixings for quick and simple installation. All it takes is a few tools and twenty minutes per axle.

FITTING INSTRUCTIONS

1. Ensure the handbrake is fully on and the jockey wheel is down & secure. Chock the opposite wheel.
2. Loosen wheel bolts. Jack up caravan or trailer under the axle until wheel is off ground.
3. Place an axle stand into position and lower any corner steadies or prop stands.
4. Remove wheel bolts and wheel.
5. Remove rectangular plastic cap from the underside of the swing-arm - see Fig 1, Item 1.
6. Insert mounting brackets - see Fig2, Items 1 and 2 - ensuring the 'arrow' is pointing forwards - see Fig 2, Item 3. Note:- brackets are handed. Press brackets together using pliers, if necessary.
7. Insert bottom shock absorber bolt through mounting bracket. Secure, but do not tighten, with self-locking nut. See Table 1 and Fig 3 to ensure shock absorber is correctly fitted either inside or outside of mounting brackets.
8. Insert top shock absorber bolt through chassis member - see Table 2 and Fig 4 to select correct hole, and secure with self-locking nut to 86Nm (63.5 lbs/ft).
9. Align shock absorber and mounting bracket and tighten bottom self-locking nut 86Nm (63.5 lbs/ft).
10. Replace wheel and wheel bolts.
11. Raise any corner steadies or prop stands and remove axle stand.
12. Lower jack and torque wheel bolts to 88 Nm (65 lbs/ft) in sequence - North, South, East and West.
13. Repeat steps 2 to 12 for other wheel(s).
14. When installation complete remember to check wheel bolt torque after first 50km (30 miles).

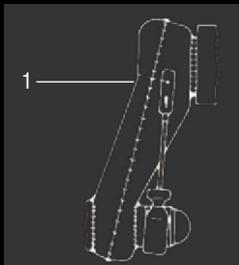


Fig 1

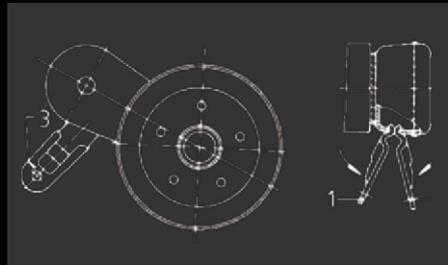


Fig 2

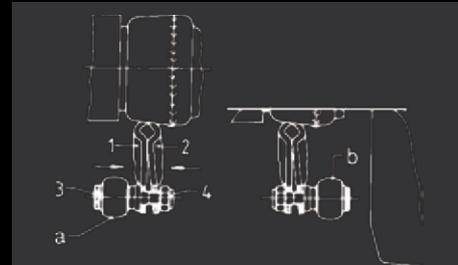


Fig 3 a+b (See table 2)

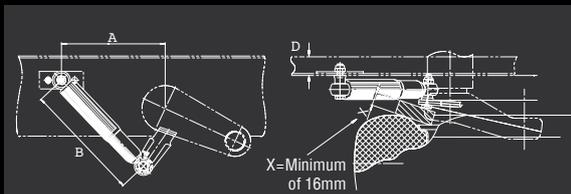


Fig 4a

Fitting to AL-KO Chassis



Fig 4b

Fitting to non-AL-KO Chassis

Table 1

Axle Type	Mounting
Straight axle	to the inside (Fig 4/a)
Delta axle	to the outside (Fig 4/b)
Delta SIN 10/12 (Chassis with Members)	Max permissible tyres -6J x 14 ET 38 with 185/70 R 14 tyres -6J x 15 ET 30 with 205/65 R 15 tyres
Delta axle Delta SI 850 Delta SIN 10/12 Delta SIN 14 (Chassis with members)	to the inside (Fig 4/a)

Table 2

Installation measurements unloaded axle (mm)					
Colour code	A	B	C	D	E
Green	265/270	255 min	approx. 125	52-75	15 max
Blue	235				
Red	235				
Black					

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Due to a policy of continuous product improvement, AL-KO reserves the right to change technical specifications.