

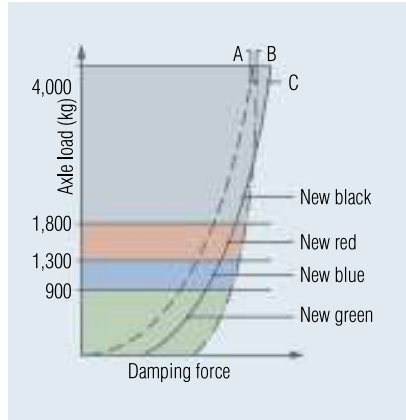
AXLE SHOCK ABSORBERS – OCTAGON PLUS

YOUR ADVANTAGE

- AL-KO Octagon shock absorbers are specifically set for a particular weight range (see curve C).
- They thus improve the towing properties of the trailer optimally.

Colour	Single axle	Tandem axle
Green	900 kg	1,600 kg
Blue	1,350 kg	2,700 kg
Red	2,000 kg	3,500 kg
Black	4,000 kg	7,500 kg

To rule out any mix-ups, the different weight ranges are identified with different colours.



A Damping characteristic of AL-KO hexagonal rubber suspension axles

B Damping characteristic of previous shock absorbers

C Damping characteristic optimised by AL-KO Octagon shock absorbers

OPTIMAL DAMPING

What every driver of a vehicle combination dreads: oscillation of the trailer body on uneven roads.

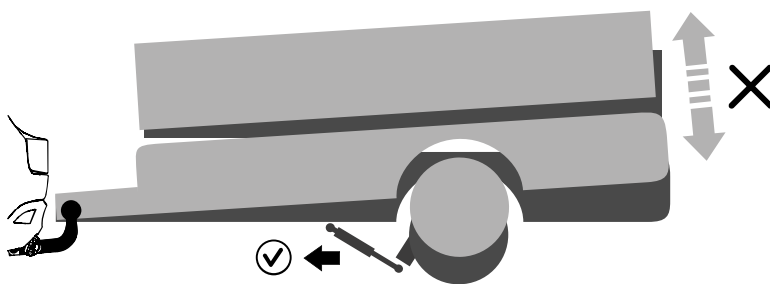
The AL-KO Octagon shock absorber immediately reduces these dangerous bumping movements.

THIS MEANS:

- Greater driving stability
- Greater braking stability
- Optimum ground contact

SIMPLE INSTALLATION

- The rubber-mounted articulation connection eyes permit a low-wear, stress-free installation position at an angle of up to 5°.
- In contrast to commercially available shock absorbers, AL-KO Octagon shock absorbers have their bolts firmly integrated into the shock absorber eye, which means they are part of a shock absorber's scope of delivery along with the nuts.



AXLE SHOCK ABSORBERS – OCTAGON COMPACT



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Colour	Single axle	Tandem axle
Black	up to 4,000 kg	up to 7,500 kg

AXLE SHOCK ABSORBERS – UNIVERSAL COMPACT

SIMPLE INSTALLATION

The rubber-mounted articulation connection eyes permit a low-wear, stress-free installation position at an angle of up to 5°.

In contrast to commercially available shock absorbers, AL-KO Universal shock absorbers also have their bolts firmly integrated into the shock absorber eye, which means they are part of a shock absorber's scope of delivery along with the nuts.














**The low-cost AL-KO
Universal shock absorber**

Colour	Single axle	Tandem axle
Black	up to 1,500 kg	up to 3,000 kg

AXLE SHOCK ABSORBER

Ordering overview

SAP: RADSTOSSDAEMPFER OCTAGON

Shock absorber	Version part no.	For AL-KO axles Trailing arm Semi-trailing arm	Single axle up to	Tandem axle up to	Colour	With articulation connection eyes	With fixing bolts			
	Octagon PLUS 244 084	Trailing arm and semi-trailing arm	up to 900 kg	up to 1,600 kg	Green	Yes	Yes	1.3	–	350
	Octagon PLUS reinforced* 1 204 542	Trailing arm and semi-trailing arm	Up to 900 kg	Up to 1,600 kg	Green	Yes	Yes	1.3	–	350
	Octagon PLUS 244 085	Trailing arm and semi-trailing arm	Up to 1,350 kg	Up to 2,700 kg	Blue	Yes	Yes	1.3	–	350
	Octagon PLUS reinforced* 1 204 589	Trailing arm and semi-trailing arm	Up to 1,350 kg	Up to 2,700 kg	Blue	Yes	Yes	1.3	–	350
	Octagon PLUS 244 086	Trailing arm and semi-trailing arm	Up to 2,000 kg	Up to 3,500 kg	Red	Yes	Yes	1.3	–	350
	Octagon PLUS reinforced* 1 204 590	Trailing arm and semi-trailing arm	Up to 2,000 kg	Up to 3,500 kg	Red	Yes	Yes	1.3	–	350
	Octagon COMPACT 244 087	Trailing arm and semi-trailing arm	Up to 4,000 kg	Up to 7,500 kg	Black	No	No	1.5	–	350
	Universal COMPACT 282 259	Trailing arm	Up to 1,500 kg	Up to 3,000 kg	Black	Yes	Yes	1.0	–	350

*Certain mechanical components (e.g. cylinders) that could be destroyed if overloaded are reinforced. The stroke and length dimensions as well as damping forces have not been changed.

SURFACE TREATMENT

Shock absorber epoxy paint (powder-coated)

SCOPE OF DELIVERY

I Shock absorber

Per axle, please order:

2x shock absorbers loose incl. fixing bolts

I Shock absorber brackets for swing arms on AL-KO axles

Per axle, please order:

1 set or 2 sets of shock absorber brackets

I Holding bars for the trailer manufacturer's vehicle frame

Per axle, please order as required:

2x holding bars



Application example

Colour	Single axle	Tandem axle
Green	900 kg	1,600 kg
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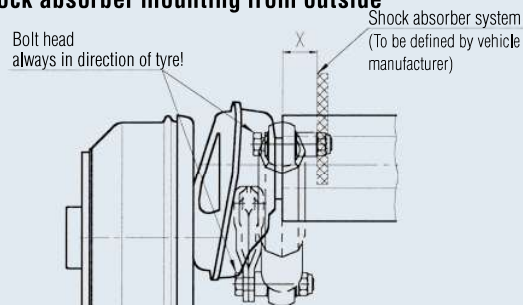
SHOCK ABSORBER BRACKET



Shock absorber brackets for AL-KO axle links and holding bars for trailer frame (25° or 20° swing arm position)

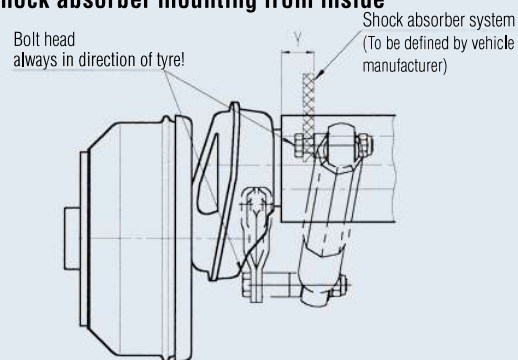
Axle type	possible swing arm versions	Type of retrofit	Outside mounting Dimension X	Outside mounting part no. shock absorber brackets for axle links	Inside mounting dimension Y	Inside mounting part no. shock absorber brackets for axle links	Part no. holding bars for trailer frame
B 700	Solid swing arm with mounting hole	Bolt-on shock absorber brackets	20-50mm	per set = 2 units 1 211 502 (straight)	—	—	per unit 1 312 110
B 850	Hollow swing arm with mounting hole	Plug-on shock absorber brackets	40-70 mm	per unit 244 088 (straight)	0-50mm	per set = 2 units 1 211 257 (with spacer bush)	per unit 1 312 110
B 1000 B 1200	Hollow swing arm with mounting hole	Plug-on shock absorber brackets	40-70 mm	per unit 244 088 (straight)	0-50mm	per set = 2 units 1 211 257 (with spacer bush)	per unit 1 312 110
B 1600	Hollow swing arm with mounting hole	Plug-on shock absorber brackets	40-70 mm	per unit 244 088 (straight)	0-50mm	per set = 2 units 1 211 257 (with spacer bush)	per unit 1 312 110
B 1000 B 1200	Forged swing arm	Shock absorber brackets for welding on	50-80 mm	per unit 208 631 02 02 (straight)	20-60 mm	per unit 228 468 02 02 (cranked)	per unit 1 312 110
B 1600 B 1800	Forged swing arm	Shock absorber brackets for welding on	50-80 mm	per unit 208 631 02 02 (straight)	20-60 mm	per unit 228 468 02 02 (cranked)	per unit 1 312 110
B 2500	Forged swing arm	Shock absorber brackets for welding on	40-70 mm	per unit 208 631 02 02 (straight)	10-50mm	per unit 228 468 02 02 (cranked)	per unit 1 312 110

Shock absorber mounting from outside



Dimension X: from outside edge of axle tube to shock absorber system

Shock absorber mounting from inside



Dimension Y: from outside edge of axle tube to shock absorber system (inner side)