



Vehicle Technology

Roller Rocker Springs



The AL-KO tandem Rocker Roller axle system is a load sharing suspension system designed to ensure a smooth transfer of weight from front to rear axle and thus reduce any shock load or vibration on your trailer or caravan. This unique system greatly reduces axle steer and improves stability over rough terrain. Driver fatigue is minimised due to smoother handling and safer towing and less wearing parts ensures lower maintenance costs, over a longer period of time. The AL-KO Rocker Roller is available for 14-inch, 15-inch and 16-inch wheel spacings and suits a Gross Trailer Mass (GTM) of 1900 kg to 4000 kg.



Direction of travel

Technical and fitting considerations

- The correct dimensional set-up is important to ensure all the spring hangers are aligned with each other. This prevents excessive strain on shackle pins.
- Make sure all fittings are tightened securely with nyloc nuts.
- Appropriate shackle pins that are greaseable **should** be greased.
- The pin through the roller should be greased on assembly.
- The roller and loop eye should only be lightly greased.

Further information can be obtained by contacting AL-KO on 1800 035 603 or by visiting:

www.alko.com.au

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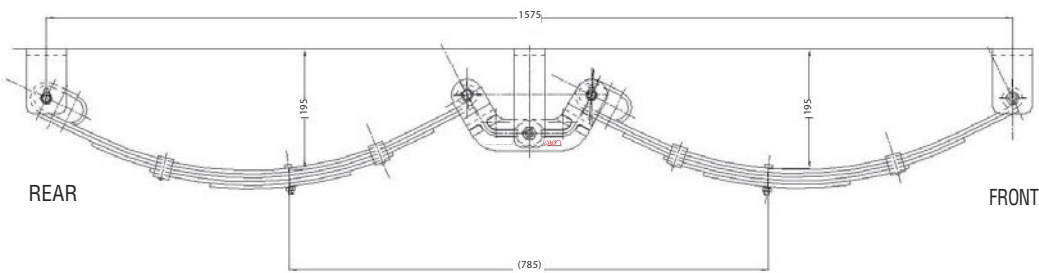
Rocker Roller Specifications:

| Part Number for One Side* | Description | Capacity for two Springs (One Side) | Wheel Size |
|---------------------------|-----------------------|-------------------------------------|------------|
| LH 576450 RH 576451 | 60mm x 6mm x 5 leaf | 950kg to 1100kg | 14" |
| LH 576460 RH 576461 | 60mm x 6mm x 6 leaf | 1105kg to 1250kg | 14" |
| LH 576470 RH 576471 | 60mm x 6mm x 7 leaf | 1300kg to 1500kg | 14" |
| LH 576670 RH 576671 | 60mm x 6.5mm x 7 leaf | 1625kg to 2100kg | 15"/ 16" |
| LH 576680 RH 576681 | 60mm x 6.5mm x 8 leaf | 1800kg to 2245kg | 15"/ 16" |

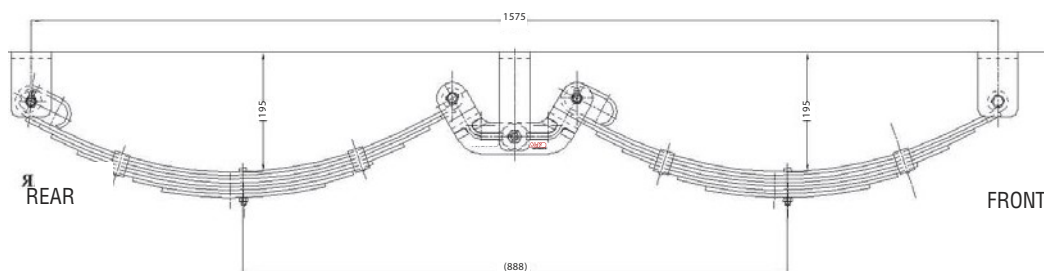
* Separate parts numbers required for U-bolt kits to suit axle size.

| Specifications | | |
|--|----------------|--|
| Length of Spring from Shackle pin to Shackle pin | | 687mm |
| Free Camber | | 117mm |
| Eye to Centre Bolt | 14" wheel | 396mm front spring 291mm rear spring |
| | 15"/ 16" wheel | 341mm front spring 341mm front spring |
| Shackle Bolt Diameter | | 16mm |
| Spring Bush Diameter | | 16mm x 22mm x 60mm |
| Spring Surface Finish | | Black |

Rocker Roller Spring 14 inch set-up



Rocker Roller Spring 15 inch and 16 inch set-up



Rocker Roller spring capacities are based on 30 to 35mm deflection