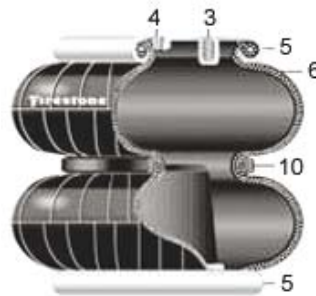


## AIR SPRING

### CONVOLUTED

Convoluted Airsprings feature Single, Double, and Triple Convolutions sandwiched between an upper and lower bead plate.



### ROLLING LOBE

Rolling Lobe (Sleeve) Airsprings generally have only an upper bead plate, but will have a piston/ lower mount (plastic or alloy) and may have an internal bump stop.



# SUSPENSION

## SUSPENSION

### Step 1 - Check AON and bellows number.

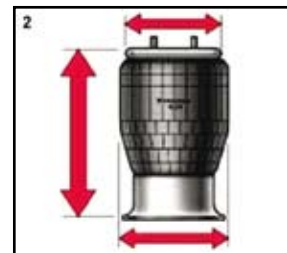
To identify an Airspring for replacement read the Assembly Order Number (AON) on the label adhered to the bead plate. (i.e., Firestone W01-358-9082). If the number is illegible, read the bellows number which is normally moulded near the logo. A style number such as 1T15M-6 or 22 would tell exactly which bellows is needed and one could skip steps 2 and 3.



### Step 2 - Take measurements of the air spring.

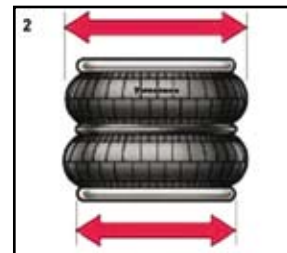
If the air spring is a Reversible Sleeve...

Measure the bead plate diameter and molded (uninflated) diameter of the rubber bellows. Then measure from the bottom of the piston to the top of the bead plate while the part is uninflated and extended.



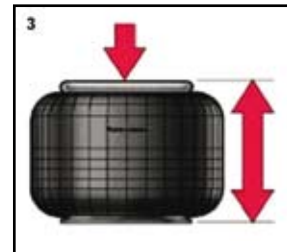
If the air spring is a Convoluted style...

First determine whether it is a single, double, or triple convoluted style, then measure the bead plate diameter and the diameter of the bellows across its widest area (uninflated).



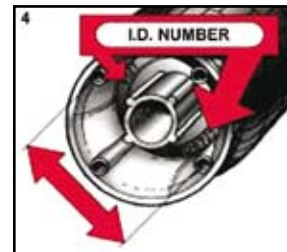
### Step 3 - Is there a rubber bumper present?

Many Airsprings include a rubber bumper inside the spring, check to determine if one is present by compressing the spring to its minimum height and measure from the bottom plate or piston to the top of the bead plate.



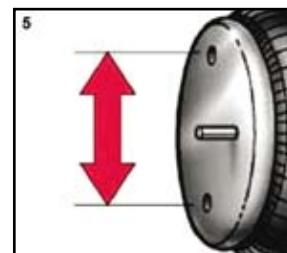
### Step 4 - Piston Identification.

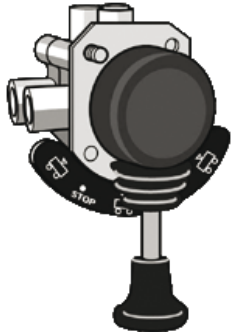
The same bellows is used with many different combinations of bead plates and pistons, so be sure to check closely.



### Step 5 - Bead Plate Identification.

Check plate diameter, stud and hole centres.





**DOCKING VALVE**

Available in single or dual circuits, the docking valve enables the operator to raise or lower the ride height temporarily.

Knorr SV3111  
Wabco 4630320200