Continental
The Future in Motion

Continental Industrial Air Springs

Breadth of Product & Overview of Nomenclature

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4 – Main Air Spring Models
Model Series and Bellow Variants

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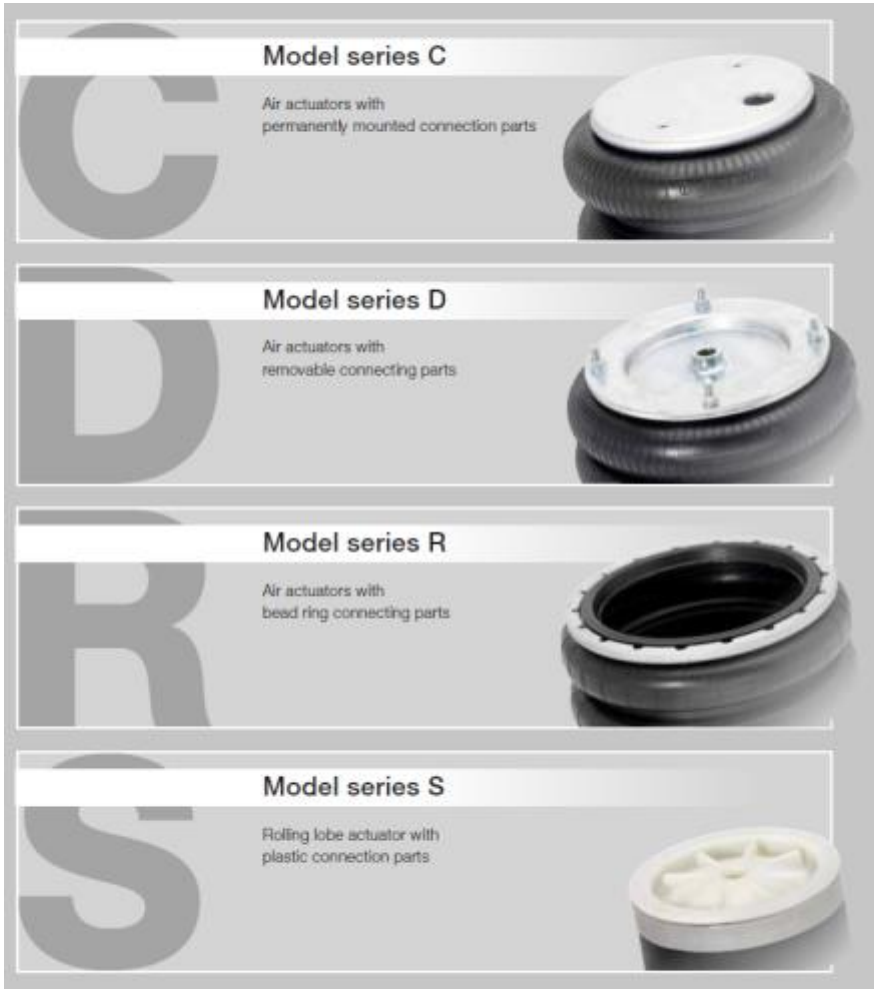


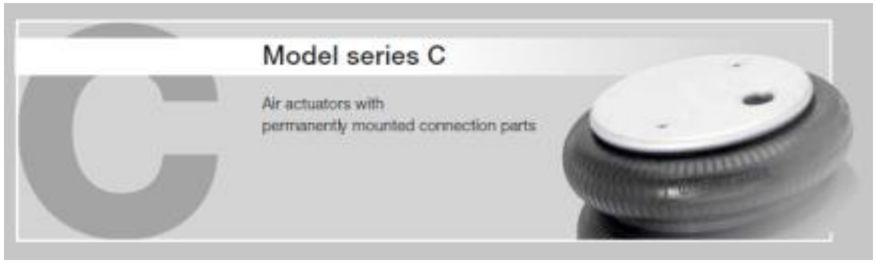
FT / Triple convolution

FS / single convolution

FD / double convolution

VP / Bellows only

Industrial Air Spring Products
Model Series C – 'Crimped'



- Bead plate connecting parts
- Plate firmly crimped to the bead, disassembly not possible
- Metric and imperial size fastener threads
- Cross-reference to *Firestone* & Stemco (*Goodyear lay-line)* product line

Industrial Air Spring Products
Model Series D – 'Dismountable'

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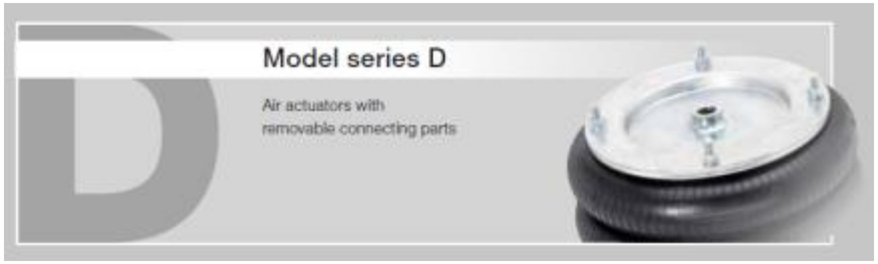
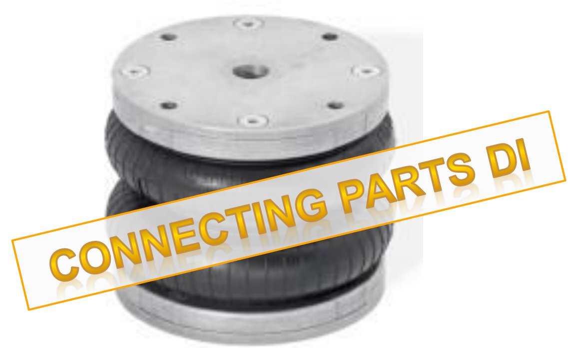


FT / Triple convolution

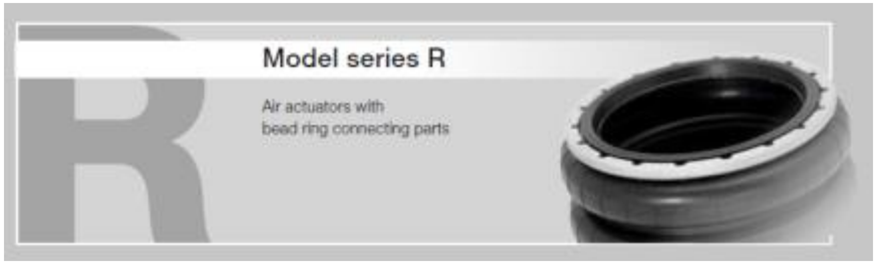
FD / double convolution

FS / single convolution

- Different Connecting parts
  - DS → Steel plates
  - DI → Aluminum
- Connecting parts can be dismounted
- Metric size fastener threads only
- Cross-reference to *Dunlop* & *Parker* product lines



Industrial Air Spring Products
Model Series R – ‘Ring’



- Bead ring connecting parts
- Single, double and triple convolution bellows
- Bellows rubber bead seals with the mounting surface - no additional seals required
- Bead rings can be dismounted
- Metric and imperial size fastener threads
- Use genuine ContiTech bead rings only

Industrial Air Spring Products
Model Series S – ‘Sleeve’

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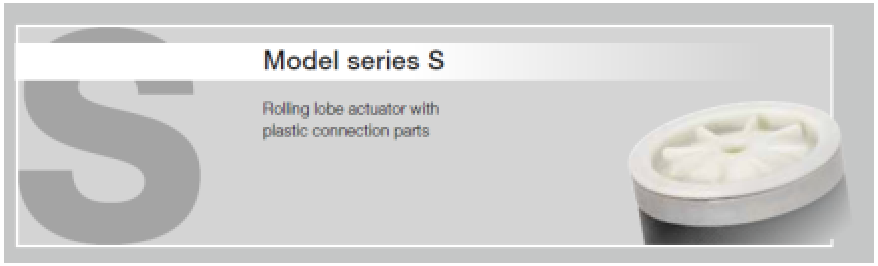
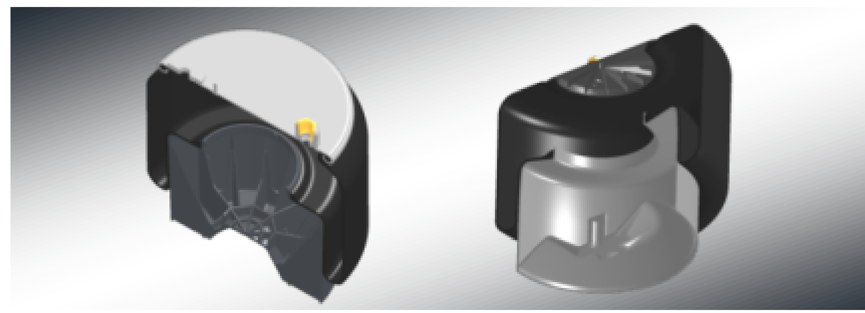


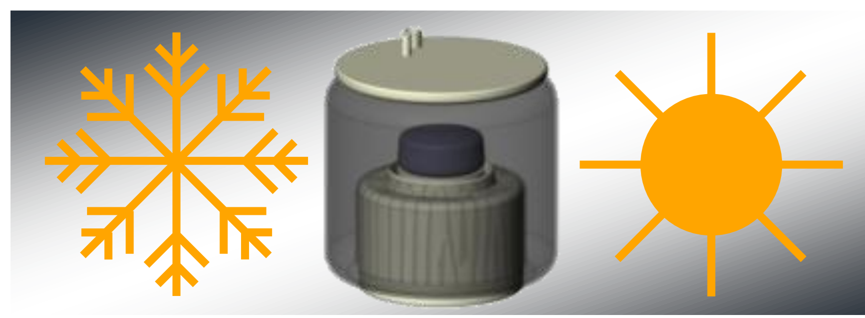
- Sleeve-type air spring design
- Thermoplastic connecting parts
- Elastomer bellows pressed firmly to the connecting parts / disassembly not possible
- Metric and imperial size fastener threads
- Cross-reference to Stemco (*Goodyear lay-line) & Firestone*
  product lines upon request

More Options

Off Highway Air Spring
Model Series RZ – ‘Rolling Lobe’

- Rolling lobe air spring design
- Different connecting parts:
  - Thermoplastic
  - Zinc-plated steel
- Elastomer bellows crimped to the top plate and ‘piston’
- Metric and imperial size fastener threads
- Cross-reference to Stemco (*Goodyear lay-line*) & *Firestone* product lines upon request
- Constant effective area due to design





The New SAM
Shock Absorbing Mount

- Made of natural rubber compound
- 4 layers of fabric with 1mm layer of rubber in between
- Finish: nylon wrap with Continental logo
- SAM has a recommended working temperature range of -40°F (-40°C) to 167°F (75°C)

Bellow Only

- Bellow only part description ends with - VP
- Bellow only parts are designed with flexible rings for easy installation
- Available in single, double and triple convolution bellows
- Offered in NR (Natural Rubber), CR (Chloroprene) and ECO (Epichlorohydrin)

NR – Natural Rubber
- Standard Material for Convoluted Bellows
- Excellent Universal Properties

CR – Chloroprene Rubber
- Standard Material for Series S
- Excellent Weathering Resistance
- Good Oil & Temperature Resistance

ECO – Epichlorohydrin Rubber
- For High Temperature Applications
- Resistance to Mineral Oils & Fuels

Nomenclatures

Industrial Air Spring Models C, D & R

ContiTech

Building a Part Number

FS 330-11 CI G NN

F Bellows style AS

S Single convoluted bellow
D Double convoluted bellow
T Triple convoluted bellow
Z Cylindrical rolling lobe AS
K Conical rolling lobe AS

Mean effective area force acts on,
guide value in cm^2

Maximum recommended stroke,
guide value in cm

Industrial Air Spring Models C, D & R

ContiTech

Building a Part Number

FS 330-11 CI G NN

C Crimped bead plate
D Removable connecting parts
R Bead ring

I Inside thread
S Stud bolt

Inlet port thread size and type,
e.g. 3/4 NPT or G 3/4

B	Internal bumper stop
CR	Bellow compound chloroprene
ECO	Extreme temperature bellow compound ECO
HP	High pressure bellow - 4 plies – Good at 175 psi
Niro	Stainless steel connecting parts
X2	Air Inlet on top and bottom plate
S VP	Bellow only part
CA	Air inlet located in center
OS	Air inlet located offset

Sleeve Model Nomenclature

Example: SC 31-Y 215

SC 31-Y 215

- Assembly no.
  - 3 last digits Firestone assembly
  - GXX Goodyear reference
- Color, fabric bias
  - **Y**ellow, **B**lue, **W**hite, **O**range
- Sleeve size (diameter)
  - 29 – 2.9 in diameter
  - 31 – 3.1 in diameter
- Sleeve Type
  - SC – Cylindrical Sleeve
  - SK – Tappered Sleeve

Rolling Lobe Model Nomenclature

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Example: 9 10 (XX)- 16 P 310

9 10 (XX)-16 P 310

- Assembly no.
- Piston material
  - P – plastic
  - S – steel
  - A – aluminum
- Molded height of part
- Designation letter (only on demand)
- Molded diameter of part
- Diameter of plate

Off Highway Crimped Model Nomenclature

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Example: FD 200-19 320

FD 200-19 320

- 320 — Assembly no.
- 19 — Designation number
- 200 — Bellows type

Bellows type			
70	4,25"	Plate diameter	
110/120	5,5"	"	"
200	6,3"	"	"
330	9"	"	"
530	11"	"	"

- FD — Number of convolution
  - FS – Single convoluted
  - FD – Double convoluted
  - FT – Triple convoluted

SAM Model Nomenclature

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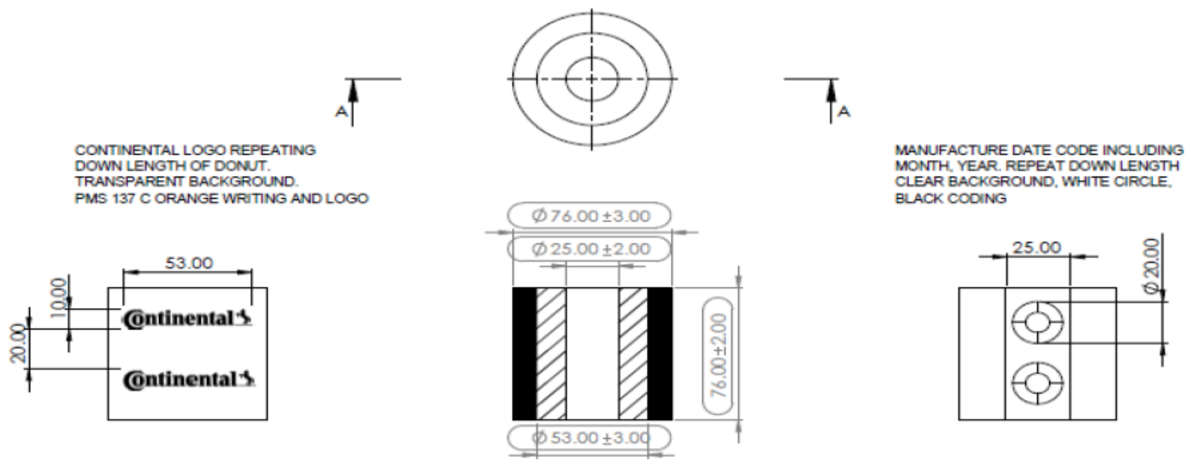
Example – SAM DN76 DH76 IN25

(Outside Diameter mm)	(Free Height mm)	(Inside Diameter mm)
DN 76	DH 76	IN 25



Contact Information

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