1T Airide® Spring - Four Spring Design Parameter Sheet

Firestone Contact:

Customer Company Name:

Fax:

Customer Project Number:

Application:

Annual Volume:

Revision Level:

Customer Contact Name:

Phone:

Email:

Date:

Geographical Location / Environmental Information

Air Spring Performance Requirements

1. Air Spring Design Height (in, mm) = 
2. Air Spring Design Load (lb, N) = 
3. Air Spring Operating Pressure (psig, bar) = 
4. Air Spring Rebound Travel (in, mm) = 
5. Air Spring Jounce Travel (in, mm) = 
6. Desired Spring Rate (lb/in, N/mm) = 

7. Air Spring Clearance:
   a. Max. Spring Diameter (in, mm) =
   b. Can rubber roll past top of bead plate? (Yes, No)
   c. Can rubber roll past bottom of piston? (Yes, No)

8. Maximum Pressure Available (psig, bar) =

9. Axle Load (lbf, N):
   a. Empty =
   b. Design =
   c. Full Load =

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Air Spring Performance Requirements (cont.)

11. Internal Bumper Required
   a. Bumper Contact Angle (5° max) =  
   b. Bumper Contact Height (in, mm) =  

12. Jounce Offset at bumper contact height (in, mm) =  

13. Rebound Offset at maximum rebound height (in, mm) =  
14. Maximum Rebound Height (in, mm) =  
15. Please include suspension drawing

16. Bead Plate Support Area

17. Piston Support Area

18. Customer Air Spring Drawing
   If yes, please attach = (Yes/No) 

19. Production Start Date =  

20. Prototype required
   a. Date required =  
   b. Quantity required =  

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21. Bead Plate Fastener Detail

Firestone bead plate number (if known) =

“Same As” Part number =

22. Piston Fastener Detail

Firestone bead plate/piston no. (if known) =

“Same As” Part number =

23. Bead Plate Salt Spray Requirement

(96 hour standard) =

24. Piston Material

( Plastic / Steel / Aluminum )

25. Piston Support Area Surface Finish =

26. PPAP Required

a. PPAP Level Required
   = ( Yes / No )

b. Please attach PPAP requirements
   =

27. Packaging Requirements

( Firestone Bulk Pack Standard )

28. Special labeling requirements

If yes, please attach

= ( Yes / No )

29. Test data required

- Load Deflection
- Burst
- Dynamic
- Other ____________________________

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