

# G. P. REEVES INC.

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# LUBE LOGIC®

- Conveyor and chain lubricators
- Grease and oil flow sensors
- Grease spray nozzles
- Production grease dispensers

December 28, 2005

How to select a grease dispensing system

## GREASE DISPENSING SYSTEMS HANDBOOK

Finding the best answer to a production grease dispensing application requires a complex blend of art and science. Your fastest and most reliable method is to call G. P. Reeves. Allow one of our experts with many years of grease dispensing experience to assist you.

Our experience has shown that if you can supply answers to most of the following questions (where applicable), we will be able to assist you in the selection of components that can be assembled into a grease dispensing system that will be accurate, dependable, and cost effective. We can also engineer custom components to meet unique requirements.

**IT IS OK IF YOU ARE UNABLE TO ANSWER ALL OF THE QUESTIONS WE HAVE LISTED BELOW. VERY FEW CUSTOMERS CAN ANSWER ALL QUESTIONS, BUT PLEASE ANSWER AS MANY AS POSSIBLE.**

1. What type of grease do you wish to dispense? Lubricating, Sealing, Anti-seize, Silicone, etc.
2. In what type of container will the grease be purchased? Tote? 400 lb. drum? 120 lb. keg? 35 lb. pail? other?
3. What is the viscosity of the grease? NLGI rating is preferred.
- 4.. Does the grease change viscosity with temperature? Most greases do.
- 5.. Is the grease stable? Does it change in viscosity over its expected working life? Does it contain suspended solids that might settle out over time?
- 6.. Do you wish to apply the grease in shots or beads? Shots are round and glob like and are applied to stationary parts by stationary nozzles. Beads are long and narrow and are applied either with moving nozzles or moving parts.
7. What repeatability do you require? What is the tolerance of your shot or bead size expressed as a percentage of the volume dispensed?
8. Is the grease tacky or stringy?
9. What volume (size of shot or bead) do you wish to dispense? Provide in engineering terms such as cubic centimeter, milliliter, cubic inch, etc. Practical terms such as BB, M&M, M&M peanut, pea, golf ball, pencil eraser, can also be used.
10. How serious would it be if one part exits your facility without the specified amount of grease?
11. How frequently do you wish to dispense in terms of cycle per minute?
12. How much time is available for dispensing? How large is the dispense window?
13. If grease is applied with moving nozzle or to a moving part, how is motion controlled?
14. How will the part be presented to the dispense station? By hand? Automatically? By robot?
15. How will the part be handled after grease has been applied? Removed by hand? Automatically? By Robot?

**A GENERAL DESCRIPTION OF YOUR APPLICATION REQUIREMENTS WILL BE HELPFUL. A BRIEF DESCRIPTION OF THE END USE OF THE GREASED PARTS WILL HELP IN DETERMINING ACCURACY AND REPEATABILITY REQUIREMENTS.**