



Date \_\_\_\_\_

# Application Data Sheet

(for Master Cylinders, Remote Actuators, Two Fluid Actuators, Air/Hydraulic Actuators, and Pressure Intensifiers)

**Confidential**  
You incur no obligation by submitting this data and the non-public information provided will be held in confidence by MICO, Inc.

Name \_\_\_\_\_ Title \_\_\_\_\_  
Company \_\_\_\_\_  
Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
Fax \_\_\_\_\_ Phone \_\_\_\_\_ Country \_\_\_\_\_  
Email \_\_\_\_\_

Are you currently working with a MICO Distributor?  Yes  No If yes, which one and who is the contact? \_\_\_\_\_

## Estimated Annual Quantity \_\_\_\_\_

Is this a military application?  Yes  No If yes, what is the destination country? \_\_\_\_\_

Is this an underground coal mine application?  Yes  No

Which MICO Component?  Master Cylinder  Boosted Closed Center Master Cylinder  Boosted Dual Master Cylinder  
 Remote Actuator  Two Fluid Actuator  Air/Hydraulic Actuator  Pressure Intensifier

## VEHICLE SPECIFICATIONS

Type of vehicle or equipment \_\_\_\_\_ Name and model number \_\_\_\_\_

Gross vehicle weight \_\_\_\_\_

Weight distribution loaded: front \_\_\_\_\_ or % loaded rear \_\_\_\_\_ or %

Weight distribution empty: front \_\_\_\_\_ or % empty rear \_\_\_\_\_ or %

Wheelbase: \_\_\_\_\_ Center of gravity (vertical): \_\_\_\_\_ loaded \_\_\_\_\_ empty

Rolling radius: front \_\_\_\_\_ Rolling radius: rear \_\_\_\_\_

Maximum loaded speed (level) \_\_\_\_\_ Maximum grade in favor of load \_\_\_\_\_ %

Rate of deceleration desired: Stop in \_\_\_\_\_ from \_\_\_\_\_ or \_\_\_\_\_

Coefficient of friction between tire and ground (estimated) \_\_\_\_\_ Type of road surface \_\_\_\_\_

Is this application required to conform with recommended practices or standards, if so which ones.  
\_\_\_\_\_

## HYDRAULIC SYSTEM CHARACTERISTICS

Attach any available hydraulic system schematics relevant to full power actuation circuits.

Maximum pump flow \_\_\_\_\_ Minimum pump flow \_\_\_\_\_

Pump type:  Gear  Van  Piston Manufacturer and model number \_\_\_\_\_

Load Sensing:  Yes  No Standby \_\_\_\_\_

Internal bleed down:  Yes  No Relief valve \_\_\_\_\_

Oil names and numbers \_\_\_\_\_ Filtration \_\_\_\_\_ microns

Operating temperature range: Minimum \_\_\_\_\_ Normal \_\_\_\_\_ Maximum \_\_\_\_\_

Flow required for components other than brake valve \_\_\_\_\_

What is the function of other components? \_\_\_\_\_

## BRAKE SYSTEM SPECIFICATIONS

Type of brake system:  Single  Tandem  Other \_\_\_\_\_

Type of brake actuator presently used \_\_\_\_\_ Bore diameter \_\_\_\_\_, and stroke \_\_\_\_\_

Pedal ratio \_\_\_\_\_ Pedal travel \_\_\_\_\_ Maximum pedal effort \_\_\_\_\_  
 Maximum fluid displacement required \_\_\_\_\_ Maximum braking pressure \_\_\_\_\_  
 Number of wheels to brake \_\_\_\_\_ Caliper \_\_\_\_\_ Drum \_\_\_\_\_  
 Type of Fluid:  DOT 3 or 4 brake fluid  Mineral base hydraulic oil  Water base  Synthetic base  
 Fluid manufacturer and brand name \_\_\_\_\_  
 Type of coupling to brake lines \_\_\_\_\_  
 Type of Mounting:  Side mount  Flange mount  Other \_\_\_\_\_

**Air system characteristics:**

Maximum air pressure available from brake valve \_\_\_\_\_  
 Compressor cut in pressure \_\_\_\_\_  
 Type of Mounting:  Side mount  Flange mount  Other \_\_\_\_\_

**Caliper brake characteristics:**

Piston diameter \_\_\_\_\_ Number of pistons per caliper side \_\_\_\_\_  
 Maximum stroke \_\_\_\_\_, or area \_\_\_\_\_  
 Piston pretravel \_\_\_\_\_ to contact disc  
 Volume requirements (per brake):  
 New lining \_\_\_\_\_ maximum Worn lining \_\_\_\_\_ maximum  
 Brake torque capacity (per brake): \_\_\_\_\_ at \_\_\_\_\_  
 Maximum allowable pressure \_\_\_\_\_  
 Manufacturer \_\_\_\_\_ Model Number \_\_\_\_\_

**Drum brake characteristics:**

Type \_\_\_\_\_ Brake size (diameter and width) \_\_\_\_\_ x \_\_\_\_\_  
 Wheel cylinder: diameter \_\_\_\_\_ Number of wheel cylinders \_\_\_\_\_ Self adjusting  Yes  No  
 Piston travel \_\_\_\_\_ to contact drum  
 Actuation volume requirements (per brake):  
 New lining \_\_\_\_\_ maximum Worn lining \_\_\_\_\_ maximum  
 Brake torque capacity (per brake): \_\_\_\_\_ at \_\_\_\_\_  
 Contact deflection \_\_\_\_\_ Contact area \_\_\_\_\_ System deflection \_\_\_\_\_  
 Maximum allowable pressure \_\_\_\_\_  
 Manufacturer \_\_\_\_\_ Model Number \_\_\_\_\_

Special military specification requirements:

Comments:

Proposals will be made on the basis of the information provided. Subsequent customer engineering changes affecting the above could make our proposal invalid.

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