

# Application Data Sheet

(for Caliper Disc Brakes)

**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

## VEHICLE SPECIFICATIONS

Type of vehicle or equipment \_\_\_\_\_ Name and model number \_\_\_\_\_  
 Gross vehicle weight \_\_\_\_\_ Empty 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 \_\_\_\_\_ 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?  
 \_\_\_\_\_

## STATIONARY EQUIPMENT BRAKE REQUIREMENTS

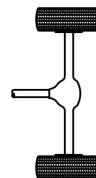
WK<sup>2</sup> of the rotating parts \_\_\_\_\_ RPM \_\_\_\_\_  
 Rate of deceleration desired: Stop time \_\_\_\_\_ seconds from \_\_\_\_\_ RPM or \_\_\_\_\_ radians/s<sup>2</sup>

## SPECIFICATIONS FOR BOTH MOBILE AND STATIONARY EQUIPMENT

Duty cycle \_\_\_\_\_  
 Maximum allowable rotor diameter \_\_\_\_\_, and thickness \_\_\_\_\_  
 Type of Brake Actuation:  Hydraulic  Mechanical  Air  Spring set hydraulic release  
 Maximum pressure available \_\_\_\_\_  
 System fluid used:  DOT 3 or 4 brake fluid  Mineral base hydraulic oil  Water base  Synthetic base  
 Fluid manufacturer and brand name \_\_\_\_\_  
 Number of brakes per machine \_\_\_\_\_ Location of brakes \_\_\_\_\_

Indicate brake relation within axle to gear train (use diagram):

- Brake mounted on driveline
- Brake mounted between differential and planetary ratio
- Brake wheel end out board of planetary ratio



\_\_\_\_\_ **Overall ratio**  
 \_\_\_\_\_ **Differential ratio**  
 \_\_\_\_\_ **Planetary ratio**

Drive shaft or wheel hub diameter \_\_\_\_\_

Desired lining life (number of stops) \_\_\_\_\_

Please include any available drawings to show brake location on equipment, space for brake, mounting dimensions and any other pertinent information which you believe would be of assistance to us in understanding your brake application.

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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**MICO, Inc.**

1911 Lee Boulevard / North Mankato, MN U.S.A. 56003-2507

**Tel:** +1 507 625 6426    **Fax:** +1 507 625 3212