

Caliper Disc Brake Application Worksheet



Use this form to request engineering assistance. The data you furnish will enable us to understand your application and recommend* the proper braking equipment. When available please attach prints or dimensional drawings.

CONTACT INFORMATION

Name: _____
 Email: _____
 Company: _____
 Address: _____
 City: _____
 State: _____ Zip: _____
 Phone: _____

A. VEHICLE SPECIFICATIONS

Please contact Tolomatic for brakes used on vehicles.

B. TENSIONING DATA

C. STATIONARY EQUIPMENT SPECIFICATIONS

Cyclic Stops?: Yes No

W = Weight of rotating member, lbs.
 R = Radius of rotating member, ft.

WK² Of Rotating Parts: _____ @RPM _____

Deceleration Needed:

Time _____ seconds from _____ RPM
 _____ Radians per sec²

Release Pressure for Spring-applied Brakes: _____ PSI

Type of Equipment Brakes Will Be Used On:

Model: _____

Project #: _____

D. GENERAL APPLICATION DATA

Frequency of Stops: _____

Complete Operating Cycle: _____

Maximum Allowable Disc Diameter (in): .. _____

Maximum Allowable Disc Thickness (in): _____

Type of Actuation:

Mechanical Spring-applied
 Pneumatic Hydraulic

Maximum Hydraulic or Air Pressure (PSI): _____

Back Pressure (PSI): _____

For Drive Shaft Applications Only:

Gear ratio is _____ in favor of _____,
 or against _____ the brake

Available displacement (in³): _____

Type of fluid: _____ maximum torque _____ in-lbs

Ambient temperatures to be encountered (°F): _____

Lining life desired (hrs): _____

Lever force available (lbs): _____

E. ADDITIONAL COMMENTS

*Recommendation is based on information supplied by the customer. Final acceptance and approval is the responsibility of the customer. Tolomatic recommends field testing or simulation of field testing on the machine it is designed for.