

**Eaton / Coremo Caliper Brake - Application Data Form  
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**BRAKE TYPE APPLICATION**

Select the application type(s) and provide needed info in the INPUT DATA section and the specific application type section(s) below.

Holding      Stopping      Tensioning

**INPUT DATA**

Type of machine	
Drivetrain arrangement (Provide sketch or application drawing showing possible brake locations)	
Description of part to be braked	
Frequency of use / Duration of operation (cycles per hour, day, etc.)	
Maximum disc diameter	
Existing disc material	
Existing disc thickness	
Space constraints for mounting, if any	
Required position and orientation of the brake (3, 6, 9, 12 o'clock, other)	
Disc orientation (vertical, horizontal, etc.)	
Brake Type (working principle)	Spring Applied      Pressure Applied
Preferred actuation media	Hydraulic      Pneumatic
Maximum available pressure	
Braking shaft size if known	

**Holding Brake**

Required holding torque at brake axis. (If unknown, provide drivetrain sketch with load weights and working radius indicating any drivetrain reductions)	
Residual torque, if any	
Frequency of use (braking cycles per hour)	
Safety Factor	

**Stopping Brake**

Frequency of use (braking cycles per hour)	
Total inertia to stop at brake axis	
Required braking time	
Maximum rotational speed at brake disc location	
Safety factor, if any	
Dynamic torque requirement, if known	

**Tensioning Brake**

Material to be wound	
Minimum material width	
Maximum material width	
Minimum material pull force	
Maximum material pull force	
Tension on winding material (KG or lbs)	
Linear web speed - minimum	
Linear web speed - maximum	
Minimum roll diameter	
Maximum roll diameter	
Duration of operation	

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**ENVIRONMENTAL DATA**

Ambient temperature range, °C (from __ to __)	
Indoor or outdoor use	
If outdoor, exposed to UV rays?	
Marine environment	
Possibility of disc and lining pads contamination (presence of oil, grease, water, etc.)	
Presence of chemical substances (specify)	
Specify any other special ambient conditions (e.g.: brakes washed with bleach spray)	

**STANDARDS**

Corrosion protection categories (ISO 12944, Marine environment-C5M, etc.)	
Safety rules (e.g.: Safety requirements of cableway installations ISO 1908)	
ATEX directive	
Ingress Protection (IP) classification	
Other (Specify)	

**DESIRED EXTRA FEATURES**

Brake status sensor (Engaged / released)	
Wear Indicator	
Other (Specify)	

**COMMENTS**

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**Name:**  
**Company:**  
**Phone:**  
**E-mail:**

**Complete form, save and send copy to  
Eaton Airflex Application Engineering**

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