



Rotary Damper/Vane Damper

Survey on Product Use

Damper model		Quantity	
Purpose			
Information on specific usage (If (1) to (4) does not apply to you, please enter the information in the "Other" section.)			
1) Rack & Pinion (Work linear motion) 		: S (Distance travelled by work) mm : T ₁ (Time it takes to travel S) sec : T ₂ (Time it takes to travel S in the reverse direction) sec : Is lateral load applied to the damper's rotating shaft? yes no : Are the pinion and the rack always engaged? yes no : What is the rack made of?	
2) Rack & Pinion (Work rotating motion) 		: Specifications of the corresponding rack (pitch circle diameter) mm : theta (Work rotating angle) degrees : T ₁ (Time it takes to rotate theta (forward direction)) sec : T ₂ (Time it takes to rotate theta (reverse direction)) sec : Are the pinion and the rack always engaged? yes no : What is the rack made of?	
3) Pinion & pinion 		: Specifications of the corresponding pinion (pitch circle diameter) mm : theta (Rotational angle of the corresponding pinion) degrees : T ₁ (Time it takes to rotate theta (forward direction)) sec : T ₂ (Time it takes to rotate theta (reverse direction)) sec : What is the pinion made of?	
4) Directly attached damper rotating shaft 		: theta (Work rotating angle) degrees : T ₁ (Time it takes to rotate theta (forward direction)) sec : T ₂ (Time it takes to rotate theta (reverse direction)) sec : Is a lateral load applied to the damper's rotating shaft? yes no : If so, how much load?	
5) Other Presence or absence of overload			
Operating conditions	Number of times usable	Operation frequency	Operating temperature
	Storage temperature	Usage environment (contact with chemicals, oil, etc.)	Yes · No

Your company's name _____ TEL _____

Division/Department _____ FAX _____

Representative's name _____



Soft Absorber Selection Form

For linear motion

1. Rotary Damper

2. Soft Absorber

3. Model Selection Form

1. Please tell us your intended purpose for using a soft absorber. (What you intend to use it on and how?).

2. Please draw a simple diagram of the mechanism/device in which you intend to install the soft absorber and the shape of the mounting parts.

[Machine/Device]

[Shape of Mounting Parts]

3. Please specify what kind of function and shape you would like to see in the soft absorber.
(You may skip this part if you do not have any particular preference)

<Function>

Max. drag	_____ or less
Deceleration	_____ or less
Recovering power	_____ or less
Braking time	_____
Adjustment Method	Fixed · Adjustable

<Shape>

Total length	_____ mm or less
Stroke	_____ mm
External diameter	<div> <div>Screw type</div> <div>M X (pitch)</div> <div>Non-screw type</div> <div>ø or less</div> </div>
Cap	Required · Not required

4. Please enter your impact conditions and usage environment.

<Impact conditions>

Impact rate	_____ m/s
Mass of the colliding object	_____
External thrust	_____
Operating cycle	_____ times/minutes
Eccentric angle	_____ degrees

<Using a cylinder>

Drive source	Pneumatic pressure · Hydraulic pressure
Internal diameter of the cylinder	_____ ø
Pressure used	_____
Number of units	_____ units

<Operating direction>

Horizontal	Friction coefficient μ = _____ *1
Perpendicular	Facing upward · Facing downward
Slope	From the horizontal surface _____ *2

*1 Please enter if using a conveyer, etc.

*2 Positive value for downward direction

<Usage environment>

Ambient temperature	_____ °C
Contact with liquid	No · Yes
Contact with dust	No · Yes
Measures against copper ions	None · Exterior only · Full

5. Please enter the number of units (expected number of mass-produced units) you require. _____ units (Monthly · Single order)

Your company's name _____

TEL _____

Division/Department _____

FAX _____

Representative's name _____

Bansbach Easylift of North America, Inc. 50 West Drive Melbourne, FL 32904 | Phone: (321)253-1999 | Fax: (321)253-5546



Soft Absorber Selection Form

For rotating motion

1. Please tell us your intended purpose for using a soft absorber. (What you intend to use it on and how?).

2. Please draw a simple diagram of the mechanism/device in which you intend to install the soft absorber and the shape of the mounting parts.

[Machine/Device]

[Shape of Mounting Parts]

3. Please specify what kind of function and shape you would like to see in the soft absorber.
(You may skip this part if you do not have any particular preference)

<Function>

Max. drag		or less
Deceleration		or less
Recovering power		or less
Braking time		
Adjustment Method	Fixed · Adjustable	

<Shape>

Total length		mm or less
Stroke		mm
External diameter	Screw type	M X (pitch)
	Non-screw type	ø or less
Cap	Required · Not required	

4. Please enter your impact conditions and usage environment.

<Impact conditions>

Impact rate		m/s
Mass of the colliding object		
External thrust		
Angular velocity (pick one)		rad/s
	degrees in seconds	
Moment of inertia		
Driving source torque		
Driving torque type		
Operating cycle		times/minutes
Eccentric angle		degrees

¹Based on the selection calculation example, please enter the information to the best of your knowledge.

<Operating direction>

Damping direction	Horizontal · Perpendicular · Inclination (degrees)
Centre of gravity	mm from the rotating shaft
Stopping position	degrees from the horizontal surface *1
Installation site	mm from the rotating shaft

*1 Positive value for downward direction

<Usage environment>

Ambient temperature		°C
Contact with liquid	No · Yes	
Contact with dust	No · Yes	
Measures against copper ions	None · Exterior only · Full	

Please enter the number of units (expected number of mass-produced units) you require. _____ units (Monthly · Single order)

Your company's name _____

TEL _____

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Soft Absorber Selection Form

FMC · FMA · FCA · FZAseries

For selection request, please fill in the form below and send it to us.

Bansbach Easylift of North America, Inc. 50 West Drive Melbourne, FL 32904 | Phone: (321)253-1999 | Fax: (321)253-5546

Company name		Address	〒
Contact's division			
Contact's name		TEL	
		FAX	
		E-mail address	

Simple diagram (Please write down usage, etc.)

Type of motion	Linear impact · Rotating impact	Thrust	Cylinder · moter · others ()
Motion direction	Horizontal · Perpendicular · Inclination	Air pressure · Hydraulic pressure	(MPa)
Mass of the colliding object	(kg)	Cylinder diameter	∅
Moment of inertia	(kgm ²)	Cylinder rod diameter	∅
Impact rate	(m/s)	Number of cylinders	(pcs)
Travelling distance	(m)	Motor output	(kw)
Travelling time	(sec)	Rotating torque	(Nm)
Rotating degree	(degree)	Ambient temperature	(°C)
Rotating time	(sec)	Operation frequency	(times/min)
Falling distance	(m)	Adherence of liquids or oils	Yes () · No
Slope	(degree)	Other adherence	Yes () · No
Distance between center of rotatoin and thrust	(m)	Number of absorber holders	(pcs)
Distance between center of rotation and absorber	(m)	Demanded quantity	Units/month · This time only