



EBERHARD®

Industrial, Vehicular & Specialty Systems

Eberhard Manufacturing Co.

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Powerise™ Pneu-Spring® Design Data Sheet

Fax Design Data Sheet to Eberhard Mfg. Co. at (440)572-2732 or Email sales@eberhard.com

Requested by:

Name _____
 Company _____
 Address _____
 City _____
 Phone _____ Fax _____

Date: _____
 Title _____
 State _____ Zip _____
 Email _____

Requested Information:

Nature of vehicle/apparatus on which the Pneu-Spring will be installed: _____

Estimated annual quantities required: _____

We will determine the appropriate Pneu-Spring and attachment points for your application. **We REQUIRE an engineering drawing showing both the moveable and fixed components to which the spring will attach.** The drawing must have sufficient detail to enable us to specify suitable attachment locations. Include the following specific information:

- Length of component from hinge edge (i.e. pivot point) to handle (**Fig 1A, 1B, 1C**): Handle length: _____
- How is the panel mounted (**Fig 1A, 1B, 1C**)? Vertical Horizontal Offset
- Center of gravity location from center of hinge pivot (**Fig 1A, 1B, 1C**): X= _____ Y= _____
- Location of hinge pivot from mounting surface (**Fig 1A, 1B, 1C**): X= _____ Y= _____

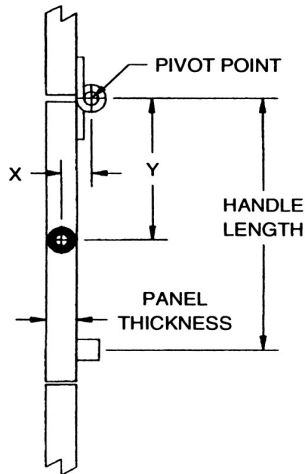


FIGURE 1A

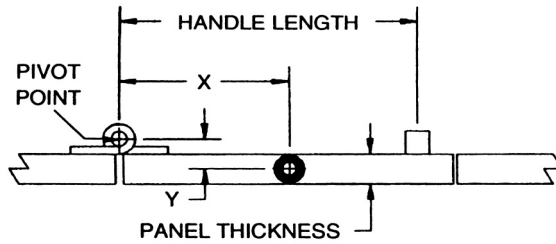


FIGURE 1B

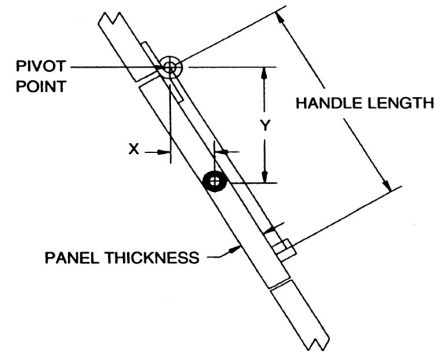


FIGURE 1C

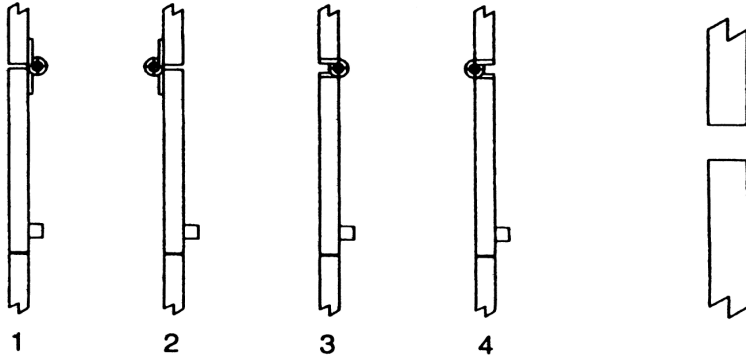
- What is the weight of the panel? _____
- What is the thickness of the panel? _____
- What is the composition of the panel? _____
- Are there limitations of attachment points (e.g. obstructions, structural member to which a spring must be attached, inside or outside installation, maximum permissible penetration into enclosures, etc.)? _____



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9) How is the panel hinged (Fig 2)? _____

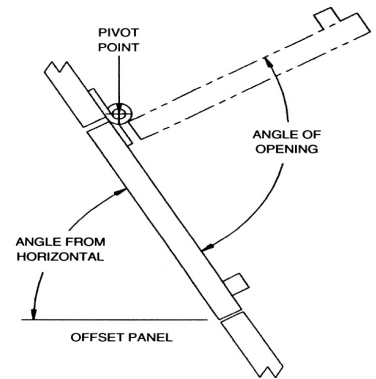


Sketch to the left or supply drawing if not shown in 1 - 4

FIGURE 2

10) Total angle of opening (Fig 3): _____

FIGURE 3



11) Angle offset from horizontal plane (Fig 3): _____

12) Desired action using Pneu-Spring (Fig 4): check one

- _____ to operate under its own force once it is released
- _____ to operate as an assist to relieve the effort required to move the panel weight
- _____ after an assist to start the motion, it will complete the motion by itself
- _____ to go over center installation provides two actions: (1) in the closed position, it keeps the door closed and (2) it provides an assist in opening the door

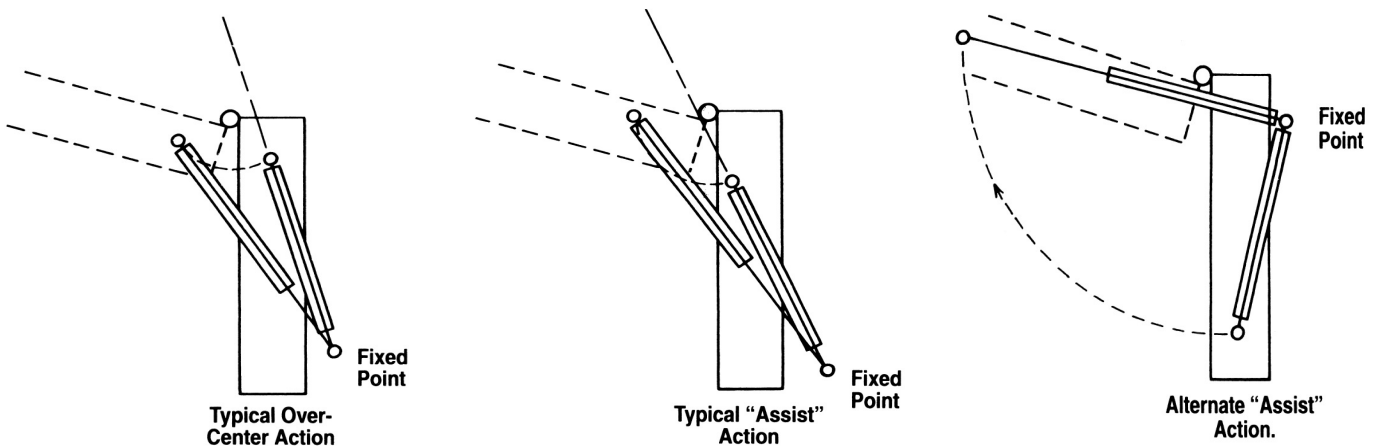


FIGURE 4 (includes all three diagrams)

*Eberhard Mfg. Co. will **not** be responsible for any claims or damage resulting from installations which have not been approved by the engineering department of Eberhard Mfg. Co.*