# AIRMOUNT™ ISOLATOR DESIGN PARAMETER WORKSHEET

**FOR VIBRATION ISOLATION**

A) TO PREVENT OUTGOING VIBRATION TRANSMISSION (INTO THE SURROUNDING AREA), OR

B) FOR ISOLATING DELICATE EQUIPMENT FROM INCOMING VIBRATIONS, PLEASE COMPLETE THE FOLLOWING:

1. DESCRIPTION OF EQUIPMENT:

_____

_____

_____

2. TYPE OF DISTURBANCE TO BE ISOLATED (FORCED FREQUENCY OF VIBRATION):

_____

_____

3. MAXIMUM WEIGHT (lbs.) _____

4. WEIGHT DISTRIBUTION (PLEASE SKETCH ON GRAPH).

5. DESIRED NUMBER OF MOUNTING POINTS: ____

6. POSITION OF MOUNTING POINTS (PLEASE SKETCH ON GRAPH).

7. SPACE (DIAMETER) AVAILABLE FOR AIRMOUNT ISOLATORS (inches): _____

8. AIR PRESSURE AVAILABLE: _____

9. DIMENSIONS: HEIGHT (inches) _____

LENGTH (inches) _____

WIDTH (inches) _____

10. POSITION OF CENTER OF GRAVITY (C.G., ⊗, mm UP FROM BASE) _____

11. DISTURBING FREQUENCY($f_f$)

a) FOR A) ABOVE, MACHINE SPEED, (rpm) _____

b) FOR B) ABOVE, FREQUENCY OF INCOMING VIBRATION ($H_z$) _____

12. PERCENT ISOLATION DESIRED (%): _____

**FOR ISOLATING AN UNBALANCED MASS**

13. PLEASE COMPLETE 1 THROUGH 12, AND ALSO INCLUDE:

14. TYPE OF MOVING COMPONENTS (UNBALANCED MASS):

_____

15. WEIGHT OF UNBALANCED MOVING MASS (lbs.):

_____

16. RADIUS OF MOVEMENT (inches): _____

17. DIRECTION OF MOVEMENT (PLEASE SKETCH ON GRAPH).

**FOR SHOCK IMPACT ISOLATION**

18. PLEASE COMPLETE 1, AND ALSO INCLUDE:

19. WEIGHT OF MOVING OBJECT (lbs.): _____

20. SPEED OF MOVING OBJECT (in/sec): _____

21. DISTANCE OF FREE FALL (inches): _____

22. DESIRED STOPPING DISTANCE (inches): _____

23. SPACE (DIAMETER) AVAILABLE FOR SHOCK IMPACT ISOLATOR(S) (inches): _____

DATE _____

NAME _____

COMPANY _____

ADDRESS _____

CITY/ COUNTRY/CODE _____

PHONE _____



Please return to your local stocking distributor, or send directly to:
Firestone Industrial Products Company, 250 W. 96th Street, Indianapolis, IN 46260 USA
or email NAIndustrial@Firestoneip.com Phone: 1-800-888-0650

PLEASE CUT ALONG DOTTED LINE