

Marsh Mellow™ Spring Design Parameter Sheet

Description of Equipment

1. Type: Screen Conveyor
 Feeder Shake-Out
 Other
2. Manufacturer: _____
3. Model: _____
4. Number of decks: _____
5. Mounting: Horizontal
 Incline
6. Size: Width _____ ft. or m x Length _____ ft. or m
7. Weight: Empty _____ lbs. or kN
 Loaded _____ lbs. or kN
8. Weight distribution (Please sketch on graph)
9. Motor location: On equipment
 Off equipment
10. Position of center of gravity (CG, inches up from base)
 _____ inches or mm
11. Disturbing frequency:
 Max. machine speed _____ cpm or Hz
 Min. machine speed _____ cpm or Hz
12. Stroke: _____ inches or mm

Spring Replacement

13. Type of isolator presently using:
 Steel coil free length _____ inches or mm
 Steel leaf
 Other _____
14. Height of present spring under load:
 Height empty _____ inches or mm
 Height loaded _____ inches or mm
15. Rate of present springs (Please refer to sketch):
 _____ lbs / inches or kN / m

Vibration Isolation

16. Desired number of mounting Pts. _____
17. Position of mounting Pts. (Please sketch on graph)

18. Space (diameter) available for Marsh Mellow Springs:
 _____ inches or mm

19. Percent isolation desired: _____%

Isolating an Unbalanced Mass

20. Type of moving components (unbalanced mass):

21. Wt. of unbalanced mass: _____ lbs. or kN
22. Radius of movement: _____ inches or mm
23. Direction of movement (please sketch on graph)

Shock Impact Isolation

(Please complete description of equipment and the following data.)

24. Weight of moving object: _____ lbs or kN
25. Speed of moving object: _____ in/sec or m/sec
26. Distance of free fall: _____ inches or m
27. Desired stopping distance _____ inches or mm

Please return to your local stocking distributor, or send directly to: Firestone Industrial Products Co.
 250 W. 96th Street, Indianapolis, IN 46260 • Phone 1-800-888-0650 Fax 317-818-8645

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