



Shock and Vibration Damping Components

www.vibrationmounts.com Phone: 516.328.3662 Fax: 516.328.3365

Catalog V100

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Introduction

Designatronics, Inc., with its divisions and subsidiaries, has been involved since 1960 in the manufacture and distribution of different mechanical and electronic components.

Advanced Antivibration Components (AAC) is the division of Designatronics devoted to marketing products exclusively related to elimination of vibration, energy absorption and protection of components and devices from shock and possible destruction.

This is, today, an extremely important field, since instrumentation and recording devices are playing more and more important roles in our daily lives. These devices are becoming miniaturized and portable and, as a result, are becoming exposed to unexpected hazards.

In addition, different rotating machinery, moving vehicles, machine tools, household appliances, etc. all require vibration control to eliminate undesirable effects that they may cause to their surroundings.

The understanding of the subject of Vibration and Shock requires some amount of theoretical knowledge of the theories which govern its causes and subsequent propagation. For this reason, an extensive Technical Section, which includes solved problems, is included in this publication.

This handbook contains the broadest offering available from a single source related to antivibration products. In order to facilitate the selection of the proper product, an attempt was made to classify and present the products in an especially organized sequence.

Furthermore, since our company is continuously providing services to the Design, Engineering and Manufacturing segments for the last 44 years, we are keenly aware of the fact that immediate availability of components is usually required. Therefore, all items shown in this catalog are available from stock.

I wish to acknowledge and to congratulate our Engineering staff and our Graphic Communications Department for organizing and producing this handbook in such an extensive, attractive and explicit manner.

Martin Hoffman
President
DESIGNATRONICS INC.



Unique Features of This Catalog

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- 1) Our sister division, SDP, started marketing Vibration Mounts in its first catalog published in 1971. It contained only 24 pages of this type of product. Subsequently, in 1978, a special separate volume: *Handbook of Vibration Mounts* was published. It contained a brief Technical Section, but it reached a 55-product page size. The importance of this product line kept growing and, as a result of it, in 1990 the *Vibration and Shock Mount Handbook* was published. It contained a 52-page Technical Section and 89 pages of products. More than 15,000 copies were distributed. Subsequently, the Vibration Mount product line became section 8 in the joint SDP/SI inch and metric catalogs.
- 2) Feedback from our Engineering, as well as Marketing Departments, indicated that for proper marketing of this product line an extensive Technical Section is needed, which was not available in the joint SDP/SI Catalogs. In addition to this, many new product lines related to vibration elimination became available worldwide. These facts gave rise to the publishing of this catalog in order to provide proper support and marketing capabilities, and ADVANCED ANTIVIBRATION COMPONENTS Company was created as a separate Division of Designatronics Inc.
- 3) In order to provide a revised and broadened Technical Section, we availed ourselves of the services of Eugene Rivin, Professor and Director of the Machine Tool

Laboratory at Wayne State University, Detroit, Michigan. He is a Fellow of the American Society of Mechanical Engineers and of the Society of Manufacturing Engineers, and an Active Member of the International Institution for Production Engineering Research (CIRP). He is the holder of 21 US patents and has authored many books and technical articles, some of which are listed below.

- 4) Our previous catalogs included only conventionally known vibration elimination components. This catalog also features shock absorbers and shaft couplings capable of elimination of shock and vibration from shaft to shaft.
- 5) There are catalogs of this type of product circulated; however, the uniqueness of this catalog is its breadth and versatility. In addition to this, all products featured are available from stock for immediate delivery. This feature is extremely important for new designs where prototype testing is an imperative.
- 6) In addition to the listed stock items, tooling is available for many types and sizes of cylindrical vibration mounts. These are available with metric or inch size studs. In spite of the fact that only small prototype quantities may be required, specially low setup charges will be made for this type of order. For quote requests for these "out of stock" type mounts, please use the numbering system and procedure shown on the next page.

Title	Publisher Publication	Pages	ISBN Number
<i>Mechanical Design of Robots</i>	McGraw Hill, August, 1987	325	70529922
<i>Stiffness and Damping in Mechanical Design</i>	Marcel Dekker, May, 1999	512	824717228
<i>Passive Vibration Isolation</i>	ASME Press, July, 2003	432	079180187X
<i>The Science of Innovation</i>	TRIZ Group, 1997	80	0965835901



Sales Conditions

www.vibrationmounts.com Phone: 516.328.3662 Fax: 516.328.3365

Ordering by phone: 516-328-3662

Please call our sales department Monday to Friday between 9 am and 5 pm Eastern time to place an order. Our staff will also be able to provide you with price and stock status for all catalog items. For larger production quantities, we can fax you a written quote of price and delivery.

Ordering by mail:

2101 Jericho Turnpike, Box 5416
New Hyde Park, NY 11042-5416

Ordering by fax: 516-328-3365

Ordering by e-mail:

aacsupport@vibrationmounts.com

Please specify part numbers, quantities, desired method of shipment and delivery dates in your request when using the ordering methods above. Orders are promptly processed by our Sales Department.

Domestic Sales Conditions

Open Account Orders:

A minimum order is \$50 plus shipping charges. Orders requiring any type of special handling or certification are subject to additional charge. Terms: Net 30 days, F.O.B. New Hyde Park

Credit Card Orders:

For your convenience, we accept VISA®, Mastercard®, American Express®, Optima®, Discover® and Diners Club®. You will be billed for merchandise and freight when parts are shipped, subject to credit card approval. A minimum order is \$50 plus shipping charges.

Credit:

New accounts having a satisfactory rating will receive open credit terms; otherwise, initial orders may be on a credit card or a C.O.D. basis pending credit approval. C.O.D. orders are subject to an additional handling charge.

Methods of Shipment:

U.P.S., FedEx, DHL, or as specified by customer.

Returns and Exchanges:

All returns and exchanges must have prior written approval. Returns must be made within 15 days after receipt of material. Returned merchandise will be inspected and a charge will be made for restocking. No credit will be allowed on used or modified parts, or catalog parts purchased on a quantity basis. Notification of any shortages must be reported within 10 days after receipt of goods.

Note:

Price and specifications are subject to change without notice. Every effort has been made to provide accurate technical and product information. The company disclaims responsibility for any error or omission in the accuracy of the technical and product information published.

International Sales Conditions

Minimum Order:

\$75 with a \$10 charge for our standard export handling; i.e., \$85 minimum billing. If the order exceeds \$100, there is no export handling charge made.

Large Quantity Order:

Considerable discounts are made available for large quantity orders. Please request a quote for price and delivery.

Open Account Orders:

If you have an open account, we will ship and bill you, net 30 days, F.O.B. New Hyde Park, NY.

Credit Card Orders:

For your convenience, we accept VISA®, Mastercard®, American Express®, Optima®, Discover® and Diners Club®. You will be billed for merchandise and freight when parts are shipped, subject to credit card approval. A minimum order is \$85 plus shipping charges.

Credit:

Purchase orders accompanied by Bank References will be shipped on open credit terms. Otherwise, an irrevocable letter of credit or prepayment is requested.

Methods of Shipment:

U.P.S., FedEx, DHL, or as specified by customer.

Returns and Exchanges:

All returns and exchanges must have prior written approval. Returns must be made within 15 days after receipt of material. Returned merchandise will be inspected and a charge will be made for restocking. No credit will be allowed on used or modified parts, or catalog parts purchased on a quantity basis. Notification of any shortages must be reported within 10 days after receipt of goods.