MASON INDUSTRIES, Inc.

Manufacturers of Vibration Control Products

350 Rabro Drive Hauppauge, NY 11788 631/348-0282 FAX 631/348-0279 2101 W. Crescent Ave., Suite D Anaheim, CA 92801 714/535-2727 FAX 714/535-5738

Info@Mason-Ind.com • www.Mason-Ind.com

DOUBLE DEFLECTION NEOPRENE MOUNT



BULLETIN ND-26-1



between the rubber and metal. When overloaded. the mountings would bottom out. Compression mountings are less expensive for a given capacity and when overloaded, there is still a cushion. When loaded conservatively, the load deflection curve is similar to the straight line shear.

steel springs. The deflection can be used directly in the frequency equation after dynamic stiffness correction. Unfortunately, shear mountings could and did fail because of bond failure

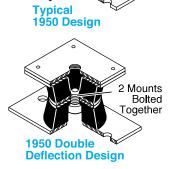
The general configuration of our N mountings was known, but all mountings were manufactured as at the right and seldom taller than 1". Both the base plate and the upper tapped washer were exposed and they corroded. As foolish as it seems now, we cemented a rubber pad to the baseplate to provide friction. Since greater efficiency can only be accomplished by increasing deflection, when double deflection was needed, two mountings were bolted together. This was another makeshift arrangement.

Mason started in 1958. When we did not offer a completely new product, we always improved existing designs. The first thought was bonding the bottom rubber pad, so it was always there.

In some applications no bolting would be needed if there were friction on top so we added the top rubber washer too.

Our next concern was corrosion, so bringing the rubber over the baseplate and up over the top insert was the final improvement. This design has been copied all over the world without people knowing the history.

(continued on back page)



Exposed



Bottom Pad





ND Mounts

- All mounts are double deflection
- Offer more than three times the deflection of pads
- Prevent noise and high frequency vibration
- Isolate a wide range of equipment
- Supplied with cap screw and washer

Exclusive Features

- Bottom friction surface makes bolting unnecessary in most installations
- Neoprene covering prevents corrosion of steel parts
- Molded in commercial Neoprene
- Bridge bearing Neoprene, Natural Rubber or other elastomers available

a large area.

Rather than bolting two mountings together, we decided to do this properly and started manufacturing two mountings using the same base and top plates. The shorter Type N for single deflection; the taller ND, double deflection. We include capscrews and washers, to eliminate the nuisance of our customers finding proper bolts.

Since rubber mountings are inexpensive, we now sell only the ND, so there is always the benefit of the better product.

It is not necessary to bolt these mountings to the floor on most installations. They can be used under flat bases that have no bolt holes in much the same manner as rubber pads. When the equipment has a flush drain pan or tank on the bottom, the mounting may be inverted so that the rectangular rubber covered steel base plate provides support over

Standard mountings are furnished in oil resistant Neoprene. Since we mold these products ourselves, bridge bearing quality Neoprene, Natural Rubber or other elastomers are readily available to meet your requirements.

SPECIFICATION

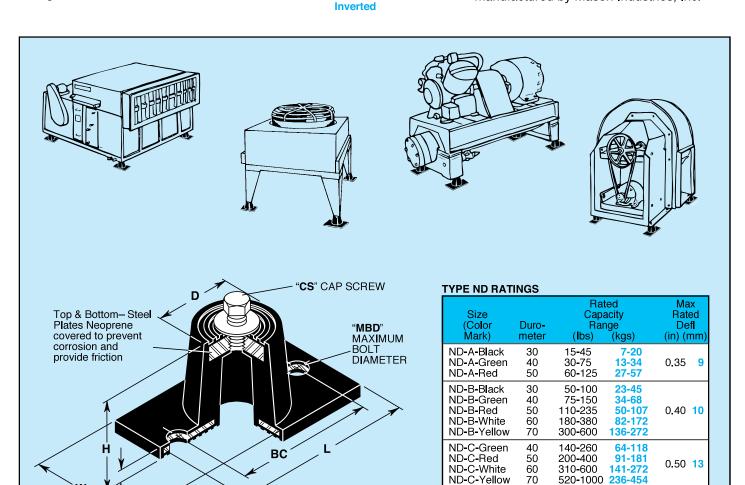
Neoprene mountings shall have a minimum static deflection of 0.35" (9mm). All metal surfaces shall be Neoprene covered to prevent corrosion and have friction pads, both top and bottom. Bolt holes shall be provided on the bottom and a tapped hole with capscrew and washer on top. Mountings shall be Type ND, as manufactured by Mason Industries, Inc.

1060-2100 481-953

2200-4300 998-1950

0.50 13

0.50 13



TYPE ND DIMENSIONS (inches mm)

THE THE SIME NOTE (MISTISS MIN)								
Size	D	Н	L	Т	W	BC	CS	MBD
ND-A ND-B ND-C ND-D ND-DS	13/16 30 13/4 44 29/16 65 33/8 86 33/8 86	11/2 38 17/8 48 23/4 70 23/4 70 23/4 70	33/16 81 37/8 98 51/2 140 61/4 159 63/4 171	3/16 5 1/4 6 1/4 6 5/16 8 5/16 8	15/8 41 25/16 59 35/16 84 4 102 43/8 111	23/8 60 3 76 41/8 105 5 127 51/2 140	5/16 -18 x 3/4" x 19 3/8 -16 x 1" x 25 1/2 -13 x 1" x 25 1/2 -13 x 1" x 25 1/2 -13 x 1" x 25	5/16 8 5/16 8 1/2 13 1/2 13 1/2 13

ND-D-Yellow

ND-DS-Yellow

70

Mounts have straight line deflection curves.