



# MASON INDUSTRIES, Inc.

Manufacturers of Vibration Control Products

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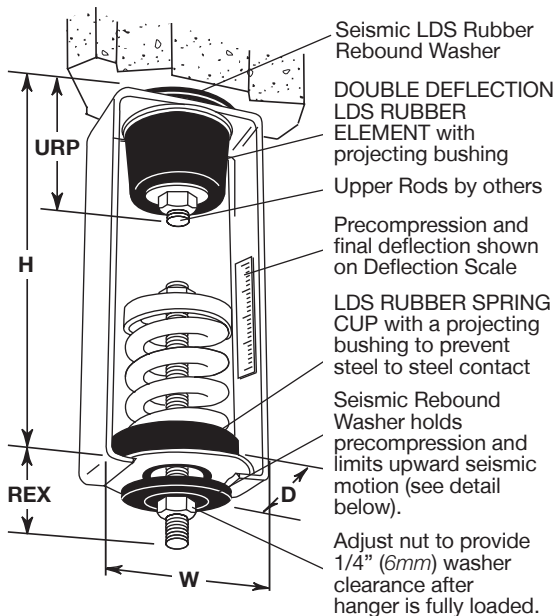
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JOB NAME \_\_\_\_\_  
CUSTOMER \_\_\_\_\_  
CUSTOMER P.O. \_\_\_\_\_  
MASON M. \_\_\_\_\_  
DWG No. \_\_\_\_\_

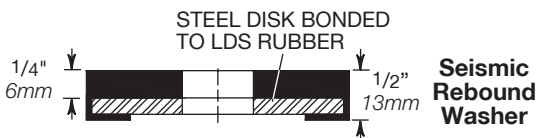
# PCDNHSS

1" 25mm Deflection  
Sizes A, B, 1, 2, & 4  
Precompressed  
Seismic LDS Rubber  
and Spring Hangers



LDS stands for Low Dynamic Stiffness AASHTO Bridge Bearing Natural Rubber to minimize noise and vibration transmission. Maximum Dynamic Stiffness is 1.4.

Hanger elements have straight line deflection curves. Hangers are precompressed to rated load or assigned load as required.



## TYPE PCDNHSS RATINGS

| Size            | Rated Capacity<br>(lbs) (kg) |      | Rated Deflection†<br>(in) (mm) |    | Spring Constant††<br>(lbs/in) (kg/mm) |       | Avg LDS Deflection<br>(in) (mm) | Spring Color/<br>Stripe |
|-----------------|------------------------------|------|--------------------------------|----|---------------------------------------|-------|---------------------------------|-------------------------|
| PCDNHSS-A-45    | 45                           | 20   | 1.95                           | 50 | 28                                    | 0.49  | 0.35 9                          | Blue                    |
| PCDNHSS-A-75    | 75                           | 34   | 1.85                           | 47 | 50                                    | 0.89  |                                 | Orange                  |
| PCDNHSS-A-125   | 125                          | 57   | 1.68                           | 43 | 94                                    | 1.68  |                                 | Brown                   |
| PCDNHSS-A-200   | 200                          | 91   | 1.50                           | 38 | 174                                   | 3.14  |                                 | Black                   |
| PCDNHSS-A-310   | 310                          | 141  | 1.35                           | 34 | 310                                   | 5.64  |                                 | Yellow                  |
| PCDNHSS-A-400   | 400                          | 181  | 1.35                           | 34 | 400                                   | 7.24  |                                 | Green                   |
| PCDNHSS-A-510   | 510                          | 231  | 1.35                           | 34 | 510                                   | 9.24  | 0.35 9                          | Red                     |
| PCDNHSS-A-625   | 625                          | 283  | 1.35                           | 34 | 625                                   | 11.32 |                                 | White                   |
| PCDNHSS-B-65    | 65                           | 29   | 2.45                           | 62 | 31                                    | 0.55  |                                 | Brown                   |
| PCDNHSS-B-85    | 85                           | 39   | 2.45                           | 62 | 40                                    | 0.74  |                                 | White/Blk               |
| PCDNHSS-B-115   | 115                          | 52   | 2.35                           | 60 | 57                                    | 1.02  |                                 | Silver                  |
| PCDNHSS-B-150   | 150                          | 68   | 2.35                           | 60 | 75                                    | 1.33  |                                 | Orange                  |
| PCDNHSS-B-280   | 280                          | 127  | 1.95                           | 50 | 174                                   | 3.10  | 0.40 10                         | Green                   |
| PCDNHSS-B-450   | 450                          | 204  | 1.66                           | 42 | 344                                   | 6.18  |                                 | Red                     |
| PCDNHSS-B-750   | 750                          | 340  | 1.47                           | 37 | 670                                   | 12.14 |                                 | White                   |
| PCDNHSS-B-1000  | 1000                         | 454  | 1.35                           | 34 | 1000                                  | 18.16 |                                 | Blue                    |
| PCDNHSS-1-1000  | 1000                         | 454  | 1.40                           | 36 | 1000                                  | 18.2  |                                 | Black                   |
| PCDNHSS-1-1350  | 1350                         | 612  | 1.40                           | 36 | 1350                                  | 24.5  |                                 | Yellow                  |
| PCDNHSS-1-1750  | 1750                         | 794  | 1.40                           | 36 | 1750                                  | 31.8  | 0.40 10                         | Black*                  |
| PCDNHSS-1-2100  | 2100                         | 953  | 1.40                           | 36 | 2100                                  | 38.1  |                                 | Yellow*                 |
| PCDNHSS-1-2385  | 2385                         | 1082 | 1.40                           | 36 | 2385                                  | 43.3  |                                 | Yellow**                |
| PCDNHSS-1-2650  | 2650                         | 1202 | 1.40                           | 36 | 2650                                  | 48.1  |                                 | Red*                    |
| PCDNHSS-1-2935  | 2935                         | 1331 | 1.40                           | 36 | 2935                                  | 53.2  |                                 | Red**                   |
| PCDNHSS-2-2700  | 2700                         | 1225 | 1.40                           | 36 | 2700                                  | 49.0  | 0.40 10                         | Yellow                  |
| PCDNHSS-2-3500  | 3500                         | 1588 | 1.40                           | 36 | 3500                                  | 63.5  |                                 | Black*                  |
| PCDNHSS-2-4200  | 4200                         | 1905 | 1.40                           | 36 | 4200                                  | 76.2  |                                 | Yellow*                 |
| PCDNHSS-4-5400  | 5400                         | 2449 | 1.40                           | 36 | 5400                                  | 98.0  | 0.40 10                         | Yellow                  |
| PCDNHSS-4-7000  | 7000                         | 3175 | 1.40                           | 36 | 7000                                  | 127.0 |                                 | Black*                  |
| PCDNHSS-4-8400  | 8400                         | 3810 | 1.40                           | 36 | 8400                                  | 152.4 |                                 | Yellow*                 |
| PCDNHSS-4-9540  | 9540                         | 4327 | 1.40                           | 36 | 9540                                  | 173.1 |                                 | Yellow**                |
| PCDNHSS-4-10600 | 10600                        | 4808 | 1.40                           | 36 | 10600                                 | 192.3 |                                 | Red*                    |
| PCDNHSS-4-11740 | 11740                        | 5325 | 1.40                           | 36 | 11740                                 | 213.0 |                                 | Red**                   |

All springs have additional travel to solid equal to 50% of Rated Deflection.

\*with Red inner spring \*\*with Green inner spring †includes double deflection LDS element

††applies to spring only

## TYPE PCDNHSS DIMENSIONS

| Size Range           | D – Depth |      | H – Height |      | W – Width |      | REX  |      | URP  |      | MRD  |      |
|----------------------|-----------|------|------------|------|-----------|------|------|------|------|------|------|------|
|                      | (in)      | (mm) | (in)       | (mm) | (in)      | (mm) | (in) | (mm) | (in) | (mm) | (in) | (mm) |
| PCDNHSS-A-45-625     | 23/4      | 70   | 63/4       | 121  | 31/4      | 83   | 21/2 | 64   | 21/4 | 57   | 5/8  | 16   |
| PCDNHSS-B-65-1000    | 4         | 102  | 9          | 229  | 43/4      | 121  | 21/4 | 57   | 3    | 76   | 3/4  | 19   |
| PCDNHSS-1-1000-2935  | 4         | 102  | 11         | 279  | 51/4      | 133  | 21/4 | 57   | 31/4 | 83   | 7/8  | 22   |
| PCDNHSS-2-2700-4200  | 9         | 229  | 12         | 305  | 51/4      | 133  | 41/4 | 108  | 33/4 | 95   | 1    | 25   |
| PCDNHSS-4-5400-11740 | 7         | 178  | 15         | 381  | 87/8      | 225  | 41/2 | 114  | 6    | 152  | 11/4 | 32   |

REX - Rod Extension  
URP - Upper Rod Penetration  
MRD - Maximum Rod Diameter

## PLAN VIEW OF HANGER LOCATIONS

TAG: \_\_\_\_\_

UNIT: \_\_\_\_\_



## SPECIFIED DEFLECTION

|                |     |
|----------------|-----|
| 1:             | 6:  |
| 2:             | 7:  |
| 3:             | 8:  |
| 4:             | 9:  |
| 5:             | 10: |
| Sets Required: |     |