



# MASON INDUSTRIES, Inc.

Manufacturers of Vibration Control Products

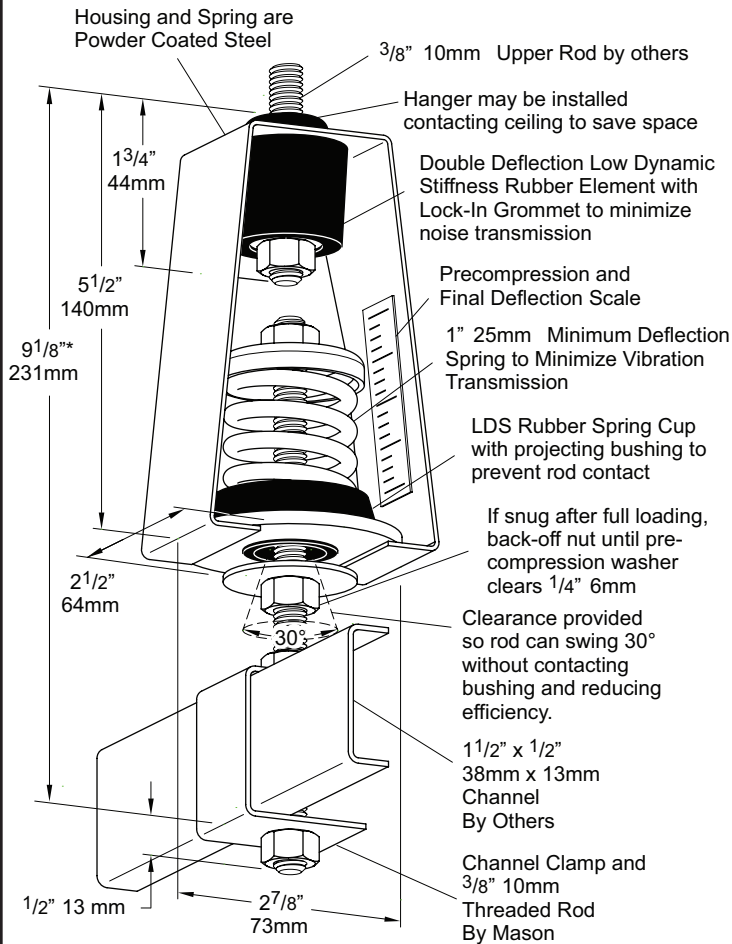
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JOB NAME \_\_\_\_\_  
CUSTOMER \_\_\_\_\_  
CUSTOMER P.O. \_\_\_\_\_  
MASON M. \_\_\_\_\_  
DWG No. \_\_\_\_\_

## 30NCC

Precompressed  
30N Hanger with  
Ceiling Channel  
Clamp



\* Hangers are precompressed to 70% of assigned load. When full load is applied, gap opens between precompression washer and housing. These dimensions are overall heights when fully loaded. For longer lengths, consult factory.

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

### AASHTO BRIDGE BEARING NATURAL RUBBER SPECIFICATIONS

| ORIGINAL PHYSICAL PROPERTIES |          |          | TESTED FOR AGING        |          |          | COMPRES-    | LONG    |
|------------------------------|----------|----------|-------------------------|----------|----------|-------------|---------|
|                              |          |          | OVEN AGING(70hrs/158°F) |          |          | SION SET    | TERM    |
| Tests: ASTM D-2240 & D-412   |          |          | ASTM D-573              |          |          | ASTM        | CREEP   |
| Duro-                        | Tensile  | Elongat. | Hard-                   | Tensile  | Elongat. | D-395       | ISO8013 |
| meter                        | Strength | at Break | ness                    | Strength | at Break | 22hrs/158°F |         |
| Shore A                      | (min)    | (min)    | (max)                   | (max)    | (max)    | Method B    | 168hrs  |
| 40±5                         | 2000 psi | 500%     | +10%                    | -25%     | -25%     | No Cracks   | 5%(max) |
| 50±5                         | 2250 psi | 450%     | +10%                    | -25%     | -25%     | No Cracks   | 5%(max) |
| 60±5                         | 2250 psi | 400%     | +10%                    | -25%     | -25%     | No Cracks   | 5%(max) |
| 70±5                         | 2250 psi | 300%     | +10%                    | -25%     | -25%     | No Cracks   | 5%(max) |

NOTE: AASHTO does not spec 40 Duro. 40 Duro by Mason.

### TYPE 30NCC RATINGS

| Size | Rated Capacity |      | Rated Deflection† |      | Spring Constant†† |         | Avg. LDS Deflection |      | Spring Color |
|------|----------------|------|-------------------|------|-------------------|---------|---------------------|------|--------------|
|      | (lbs)          | (kg) | (in)              | (mm) | (lbs/in)          | (kg/mm) | (in)                | (mm) |              |
| 12   | 12             | 5    | 1.45              | 37   | 10                | 0.18    | 0.20                | 5    | Orange       |
| 23   | 23             | 10   | 1.50              | 38   | 18                | 0.30    | 0.20                | 5    | Brown        |
| 33   | 33             | 15   | 1.30              | 33   | 30                | 0.54    | 0.20                | 5    | Red          |
| 54   | 54             | 24   | 1.40              | 36   | 45                | 0.80    | 0.20                | 5    | White        |
| 76   | 76             | 34   | 1.22              | 31   | 73                | 1.36    | 0.20                | 5    | Black        |
| 113  | 113            | 51   | 1.20              | 30   | 113               | 2.04    | 0.20                | 5    | Yellow       |
| 130  | 130            | 59   | 1.20              | 30   | 130               | 2.36    | 0.20                | 5    | Purple       |
| 175  | 175            | 79   | 1.20              | 30   | 175               | 3.16    | 0.20                | 5    | Silver       |
| 210  | 210            | 95   | 1.20              | 30   | 210               | 3.80    | 0.20                | 5    | Blue         |

† includes double deflection LDS Rubber element.

†† applies to spring only.

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

NOTE: Standard sizes shown.  
For heavier capacities, consult factory.

MASON LAYOUT DRAWING NO. \_\_\_\_\_

| SIZE | QTY. | TAG |
|------|------|-----|
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