



# MASON INDUSTRIES, Inc.

Manufacturers of Vibration Control Products

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

# FSN

LDS Jack-up  
Assembly  
Housing  
1336

RUBBER PLUG to keep concrete out during pour. Remove plug after concrete has set. Screw adjusting screw into housing to lift floor.

RUBBER WHISKER protrudes after pour.

FLOATING FLOOR

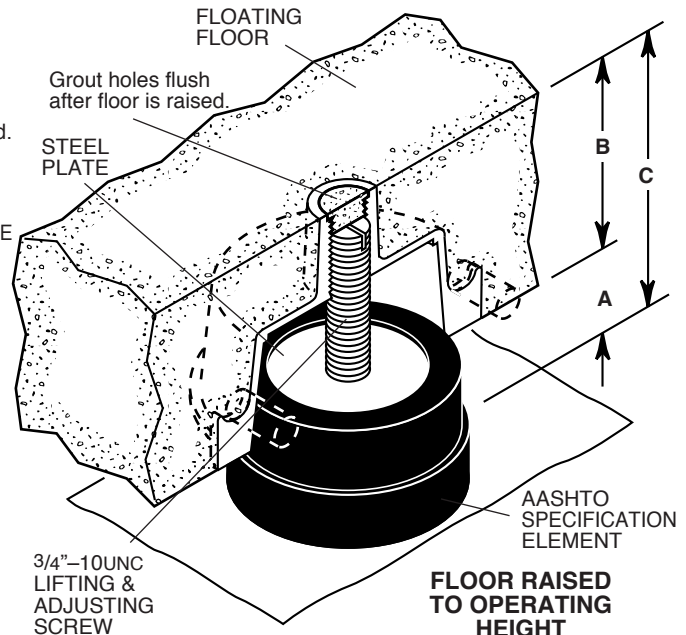
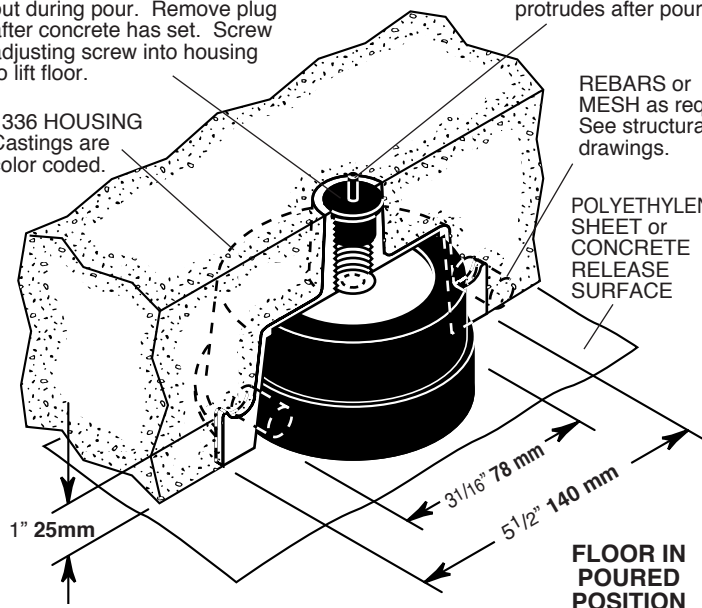
1336 HOUSING  
Castings are color coded.

REBARS or MESH as reqd. See structural drawings.

Grout holes flush after floor is raised.

POLYETHYLENE SHEET or CONCRETE RELEASE SURFACE

STEEL PLATE



FLOOR IN  
POURED  
POSITION

3/4"-10UNC  
LIFTING &  
ADJUSTING  
SCREW

FLOOR RAISED  
TO OPERATING  
HEIGHT

### TYPE FSN RATINGS (1336 Housing)

Type	Size	EAFM LDS Element			Load Capacity				Casting Color Code
		Element No.	Color Mark	Duro-meter ±5	0.2" Defl (lbs)	5 mm Defl (kgs)	0.3" Defl (lbs)	8 mm Defl (kgs)	
FSN*-(3,4,5,6)	500	12530	Green	40	335	152	500	227	Green
	700	12530	Red	50	470	214	700	318	Red
	900	12530	White	60	600	273	900	409	White
	1300	11901	Red	50	875	396	1300	590	Orange
	1700	11901	White	60	1140	517	1700	771	Yellow

A Air Gap	B Floor Thickness	C Overall Height
Most Common 1" or 2" 25 or 50mm	3" 75mm- Minimum 4" 100mm- Most Common 5" 125mm- Seldom	Air Gap Plus Floor Thickness
Occasionally 3" or 4" 75 or 100mm	6" 150mm- Common Thicker Floors or Fractional Dimensions As Required	

\*FSN Housing Height matches floor thickness. Housing suffix indicates housing height, i.e. FSN4 indicates 4" 100mm floor and housing; FSN6, 6" 150mm floor and housing, etc.  
 NOTE: Castings can be modified for floors over 6" 150mm thick.

Mounts are designed for 0.3" 8 mm maximum deflection under constant load. Temporary loadings may greatly exceed these numbers without damage or permanent set. See graph below right.

All mountings are molded to AASHTO specifications

The theoretical natural frequency of mounts without Dynamic Stiffness correction: At 0.2" 5 mm - 7.0 Hz, At 0.3" 8 mm - 5.7 Hz

Actual frequencies may be read from the chart below.

### AASHTO BRIDGE BEARING SPECIFICATIONS FOR POLYISOPRENE

ORIGINAL PHYSICAL PROPERTIES	TESTED FOR AGING			COMPRES- SION SET	LONG TERM CREEP
	OVEN AGING(70hrs/158°F)	ASTM D-573	OZONE		
Tests: ASTM D-2240 & D-412			ASTM D-1149	ASTM D-395	ISO8013
Duro- meter Shore A	Tensile Strength at Break (min)	Elongat. at Break (min)	Hard- ness (max)	25 pphm in air by Vol. 20% Strain 100°F	22hrs/158°F Method B
40±5	2000 psi	500%	+10%	No Cracks	25%(max)
50±5	2250 psi	450%	+10%	No Cracks	25%(max)
60±5	2250 psi	400%	+10%	No Cracks	25%(max)
70±5	2250 psi	300%	+10%	No Cracks	25%(max)
			-25%	No Cracks	5%(max)
			-25%	No Cracks	5%(max)
			-25%	No Cracks	5%(max)

\*AASHTO does not spec 40 Duro. 40 Duro by Mason.

### MASON LOW DYNAMIC STIFFNESS (LDS) BRIDGE BEARING COMPOUNDS. DYNAMIC NATURAL FREQUENCY/DEFLECTION CHART

