



MASON INDUSTRIES, Inc.

Manufacturers of Vibration Control Products

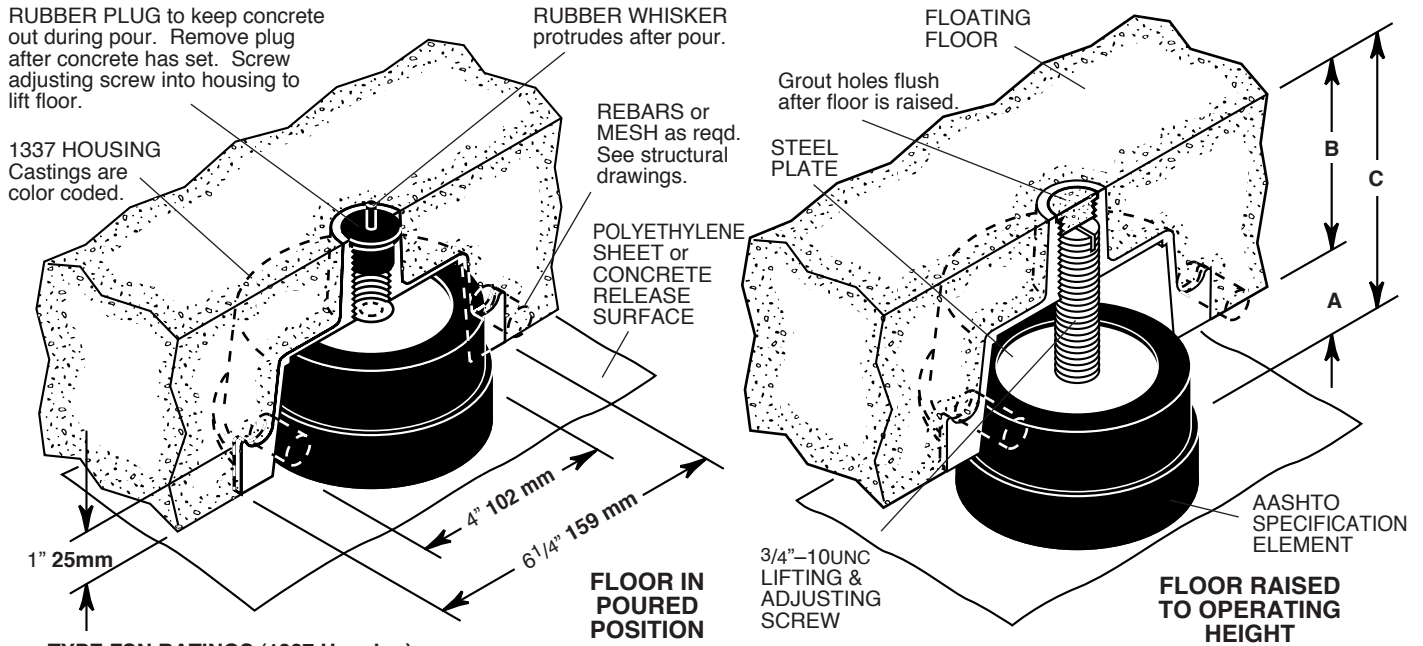
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JOB NAME _____
 CUSTOMER _____
 CUSTOMER P.O. _____
 MASON M. _____
 DWG No. _____

FSN

LDS Jack-up
Assembly
Housing
1337



TYPE FSN RATINGS (1337 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)	2500	12147	Red	50	1675	760	2500	1134	Black
	3500	12147	White	60	2350	1066	3500	1588	Gray

*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.

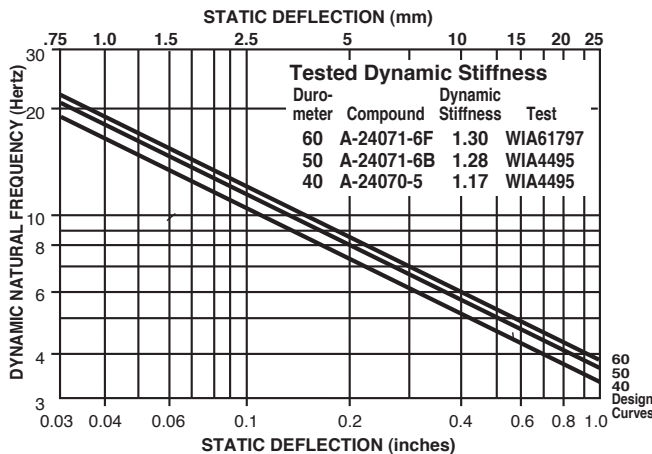
A Air Gap	B Floor Thickness	C Overall Height
Most Common 1" or 2" 25 or 50mm	3" 75mm- Minimum 4" 100mm- Most Common 5" 125mm- Seldom 6" 150mm- Common	Air Gap Plus Floor Thickness
Occasionally 3" or 4" 75 or 100mm	Thicker Floors or Fractional Dimensions As Required	

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.

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



AASHTO BRIDGE BEARING SPECIFICATIONS FOR POLYISOPRENE

ORIGINAL PHYSICAL PROPERTIES	TESTED FOR AGING			COMPRES-SION SET	LONG TERM CREEP
	OVEN AGING (70hrs/158°F)	OZONE			
Tests: ASTM D-2240 & D-412 Duro- Tensile Elongat. meter Strength at Break Shore A (min)	ASTM D-573 Hard- Tensile Elongat. ness Strength at Break (max)	ASTM D-1149 25 pphm in air by Vol. 20% Strain 100°F	ASTM D-395 22hrs/158°F Method B	ISO8013 168 hrs	
40±5* 2000 psi 500%	+10% -25% -25%	No Cracks	25%(max)	5%(max)	
50±5 2250 psi 450%	+10% -25% -25%	No Cracks	25%(max)	5%(max)	
60±5 2250 psi 400%	+10% -25% -25%	No Cracks	25%(max)	5%(max)	
70±5 2250 psi 300%	+10% -25% -25%	No Cracks	25%(max)	5%(max)	

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

LOAD DEFLECTION CURVES

