

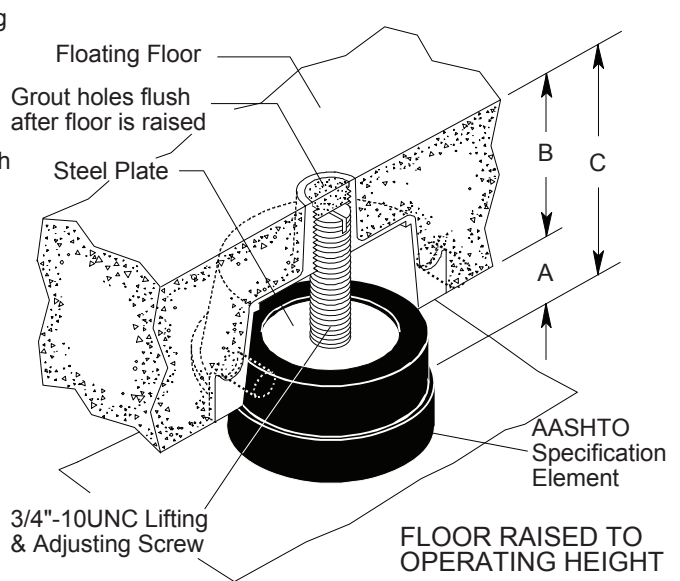
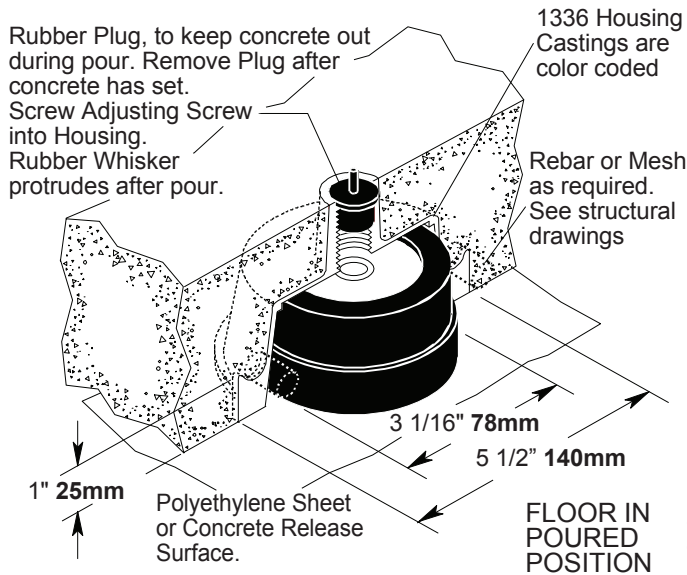


# MASON INDUSTRIES, Inc.

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JOB NAME \_\_\_\_\_  
 CUSTOMER \_\_\_\_\_  
 CUSTOMER P.O. \_\_\_\_\_  
 MASON M.I. \_\_\_\_\_  
 DWG. NO. \_\_\_\_\_

**FSN**  
 LDS JACK-UP  
 ASSEMBLY  
 HOUSING  
 1336



### TYPE FSN RATINGS (1336 Housing)

Type	Size	EAFM LDS Element			Load Capacity (lbs kg)			Casting Color Code	
		Element No.	Color Mark	Duro-meter ± 5	0.2" Defl. 5.0mm	0.3" Defl. 8.0mm			
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	398	1300	591	Orange
	1700	11901	White	60	1140	518	1700	773	Yellow

Air Gap A	Floor ** Thickness B	Overall Height C
Most Common 1" or 2" (25mm or 50mm)	3" - Minimum 4" - Most Common	Air Gap plus Floor Thickness
Occasionally 3" or 4" (75mm or 100mm)	5" - Seldom 6" - Common	

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

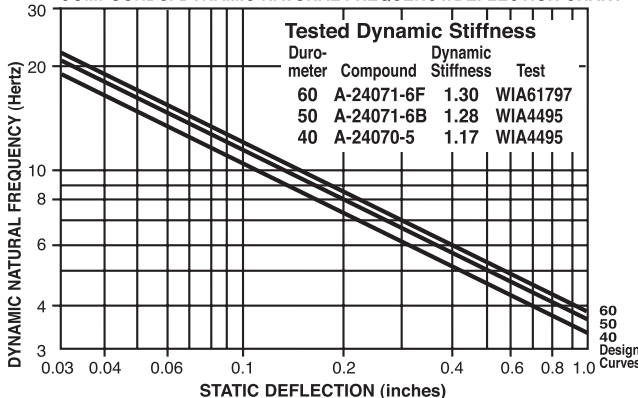
\*\* Thicker Floors or Fractional Dimensions as Required.

BRIDGE BEARING NATURAL RUBBER SPECIFICATIONS							
ORIGINAL PHYSICAL PROPERTIES			TESTING FOR AGING				COMPRESSION SET
(a)	(b)	(b)	(c)		(d)	(e)	
Duro-meter	Tensile Strength [min]	Elongat. at Break [min]	Hardness [max]	Tensile Strength [max]	Elongat. at Break [min]	1 ppm in air by Vol. 20% Strain 100°F	22hrs/158°F Method B
40±5*	2000 psi	500%	+10%	-25%	-25%	No Cracks	25% (max)
50±5	2250 psi	450%	+10%	-25%	-25%	No Cracks	25% (max)
60±5	2250 psi	400%	+10%	-25%	-25%	No Cracks	25% (max)
70±5	2250 psi	300%	+10%	-25%	-25%	No Cracks	25% (max)

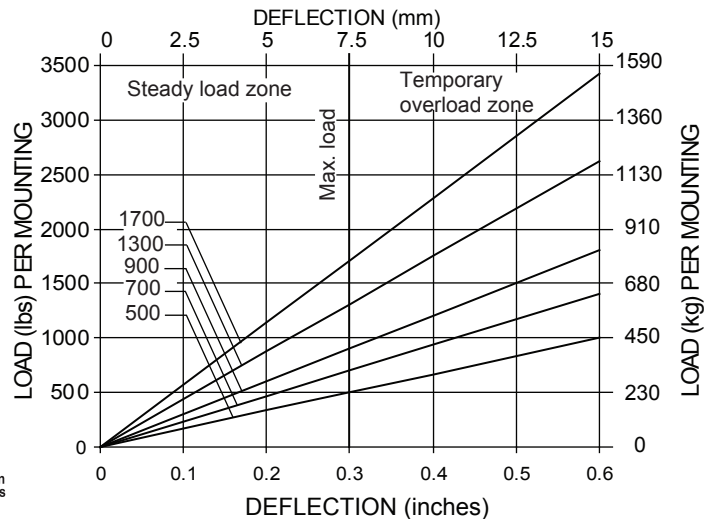
(a)ASTM D-2440 (b)ASTM D-412 (c)ASTM D-573 (d)ASTM D-1149 (e)ASTM D-395  
 \*AASHTO does not spec 40 Duro. 40 Duro by Mason.

Mounts are designed for 0.3" (7.6mm) maximum deflection under constant load.  
 Temporary loadings may greatly exceed these numbers without damage or permanent set. See graph below.  
 All mountings are molded to AASHTO specifications.  
 The theoretical natural frequency of mounts without Dynamic Stiffness correction: at 0.2" (5.0mm) - 7.0 Hz / at 0.3" (7.6mm) - 5.7 Hz  
 Actual frequencies may be read from the chart.

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



### LOAD DEFLECTION CURVES



FORM S-001 09/2008

DWN:

CHKD:

DATE:

DWG. No.