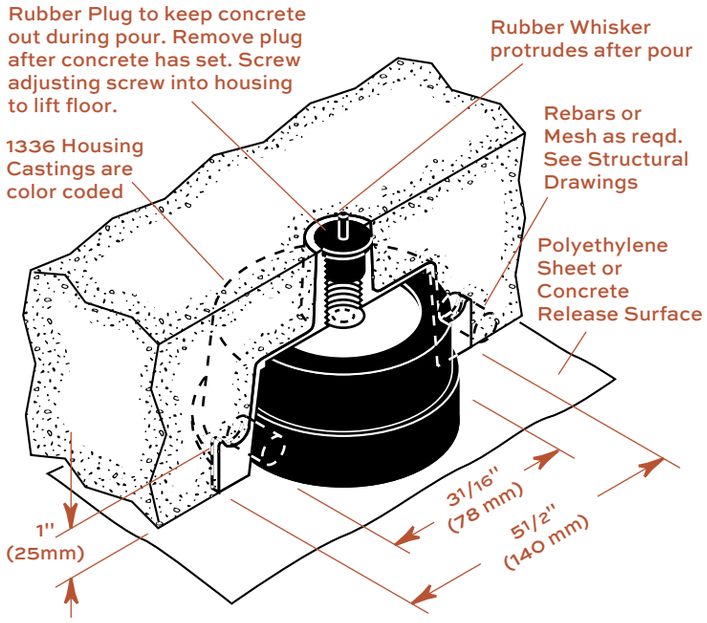
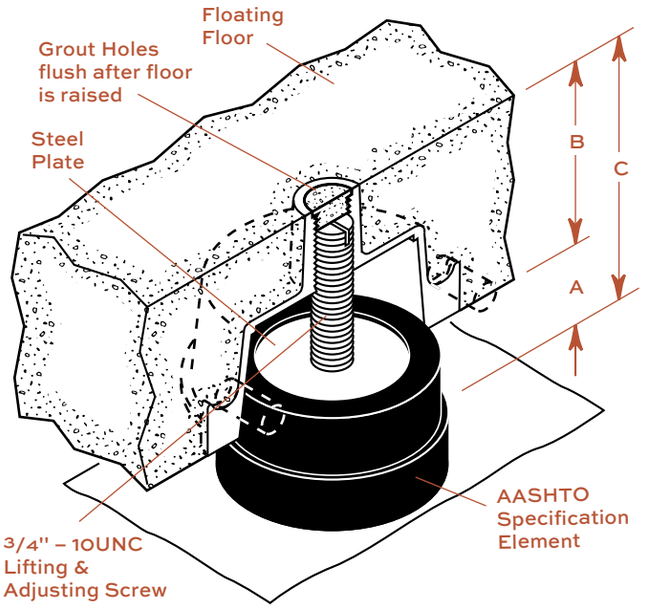
LDS JACK-UP MOUNTS
for CONCRETE FLOATING FLOORS

FSN

FLOOR IN POURED POSITION



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 (lb)	5mm Defl (kg)	0.3" Defl (lb)	8mm Defl (kg)	
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

*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.

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

AASHTO BRIDGE BEARING SPECIFICATIONS FOR POLYISOPRENE

ORIGINAL PHYSICAL PROPERTIES			TESTED FOR AGING				COMPRESSION SET	LONG TERM CREEP
Tests: ASTM D-2240 & D-412			Oven Aging (70hrs/158°F) ASTM D-573			Ozone ASTM D-1149	ASTM D-395	ISO8013
Duro-meter Shore A	Tensile Strength (min)	Elongat. at Break (min)	Hard-ness (max)	Tensile Strength (max)	Elongat. at Break (max)	25 pphm in air by Vol. 20% Strain 100°F	22 hrs/158°F Method B	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)

NOTE: 40 Durometer is not included in AASHTO Specifications.
Numbers are Mason standard.

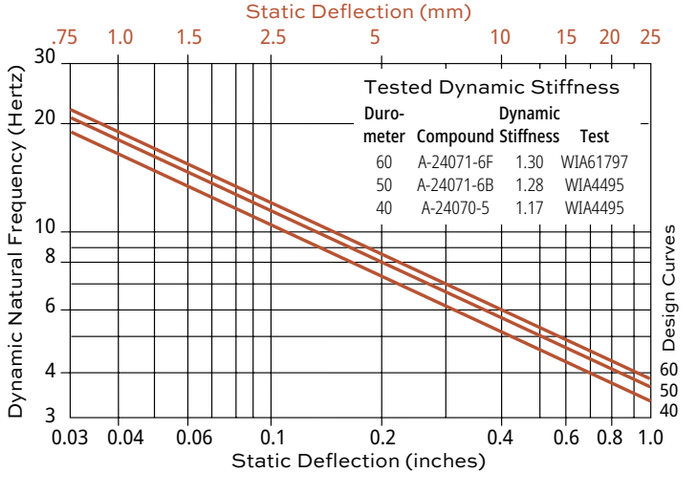
Mounts are designed for 0.3" (8mm) maximum deflection under constant load. Temporary loadings may greatly exceed these numbers without damage or permanent set. See Load Deflection Curves graph to the right.

All mountings are molded to AASHTO specifications.

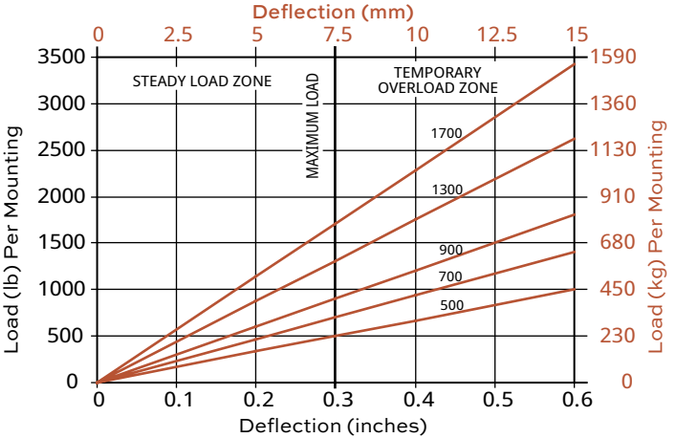
The theoretical natural frequency of mounts without Dynamic Stiffness correction: At 0.2" (5mm) - 7.0 Hz, At 0.3" (8mm) - 5.7 Hz

Actual frequencies may be read from the chart below.

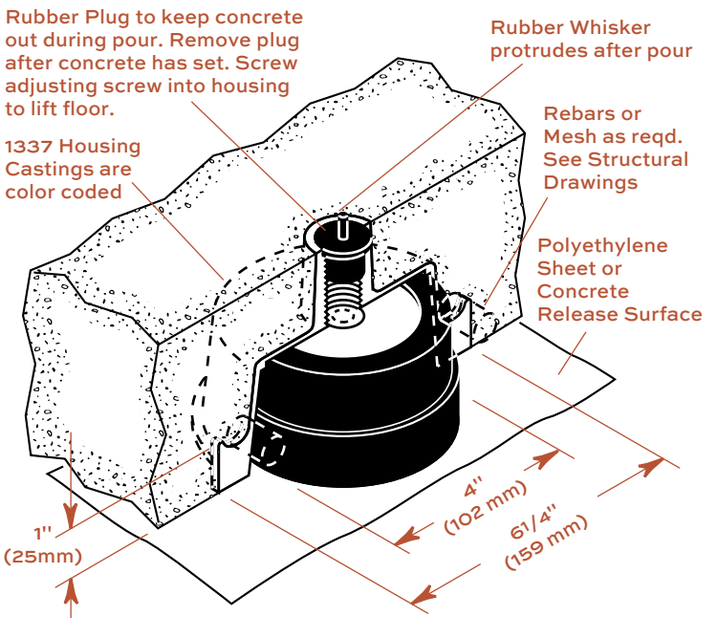
MASON LOW DYNAMIC STIFFNESS (LDS) BRIDGE BEARING NATURAL RUBBER COMPOUNDS. DYNAMIC NATURAL FREQUENCY/DEFLECTION CHART



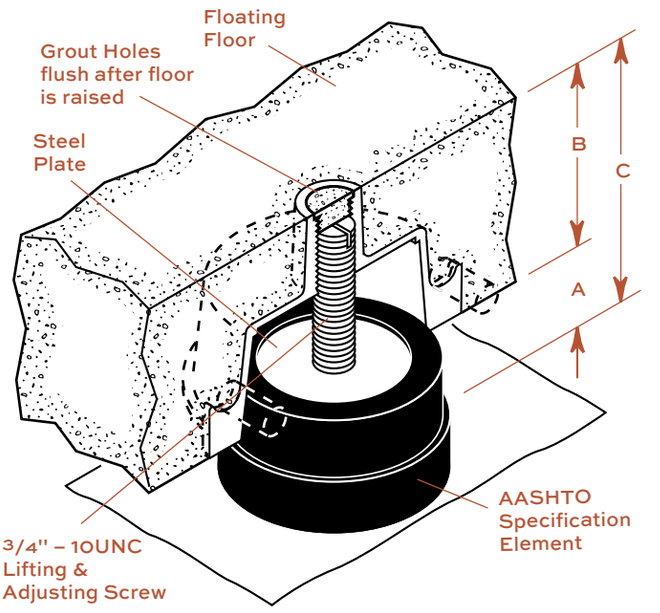
LOAD DEFLECTION CURVES



FLOOR IN POURED POSITION



FLOOR RAISED TO OPERATING HEIGHT



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FSN*-	2500	12147	Red	50	1675	760	2500	1134	Black
(3,4,5,6)	3500	12147	White	60	2350	1066	3500	1588	Gray

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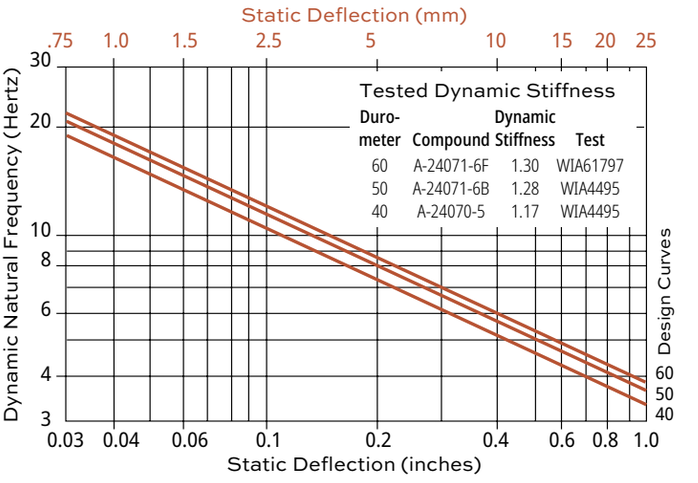

LOAD DEFLECTION CURVES