



# MASON INDUSTRIES, Inc.

Manufacturers of Vibration Control Products

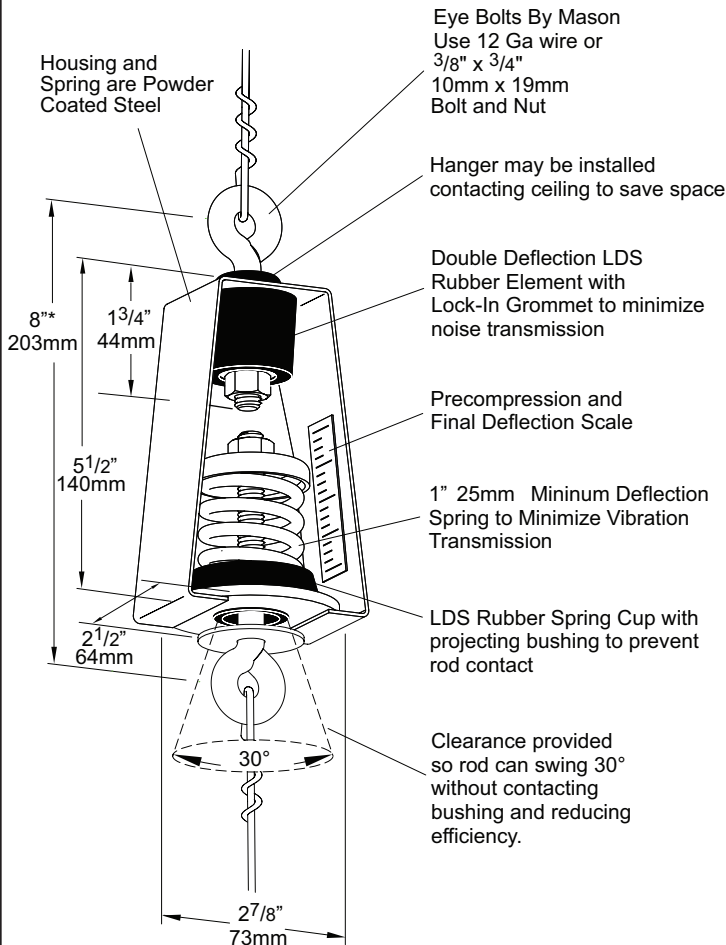
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JOB NAME \_\_\_\_\_  
CUSTOMER \_\_\_\_\_  
CUSTOMER P.O. \_\_\_\_\_  
MASON M. \_\_\_\_\_  
DWG No. \_\_\_\_\_

## W30N

Precompressed  
30N Hanger  
with Eye Bolts



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

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

### TYPE W30N RATINGS

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

<sup>†</sup> includes double deflection LDS Rubber element.

<sup>††</sup> 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