

MASON INDUSTRIES, Inc.

Manufacturers of Vibration Control Products

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MASON LAYOUT DRAWING NO.

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

W30NCC
Precompressed
30N Hanger with top
Eye Bolt and
Ceiling Channel

Clamp

Housing and Spring are Powder Coated Steel	Eye Bolts By Mason Use 12 Ga wire or 3/8" x 3/4" 10mm x 19mm Bolt and Nut Hanger may be installed contacting ceiling to save space
9 ³ / ₄ " 44mm	Double Deflection LDS Rubber Element with Lock-In Grommet to minimize noise transmission
284mm	Precompression and Final Deflection Scale
51/2" 140mm	1" 25mm Minimum Deflection Spring to Minimize Vibration Transmission
	LDS Rubber Spring Cup with projecting bushing to prevent rod contact
21/2" 64mm	Clearance provided so rod can swing 30° without contacting bushing and reducing efficiency.
	11/2" x 1/2" 38mm x 13mm Channel By Others
30° 2 ⁷ /8" 73mm	Channel Clamp and 3/8" 10mm Threaded Rod By Mason

* 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 **L**ow **D**ynamic **S**tiffness 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			TESTED FOR AGING				COMPRES-	
	PROPERT	TES	OVEN A	AGING(70h	nrs/158°F)	OZONE	SION SET	
Tests: A	ASTM D-2240	0 & D-412	ASTM D-573			ASTM D-1149		CREEP
Duro-	Tensile	Elongat.				25 pphm in air	D-395	ISO8013
	Strength					by Vol. 20%	22hrs/158°F	168hrs
Shore A	()	١ /	(max)	(/	٠ ,	Strain 100°F	Method B	
	2000 psi				-25%	No Cracks	25%(max)	
	2250 psi				-25%	No Cracks	25%(max)	
	2250 psi				-25%	No Cracks	25%(max)	
70±5	2250 psi	300%	+10%	-25%	-25%	No Cracks	25%(max)	5%(max)

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

TYPE W30NCC RATINGS

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

[†] includes double deflection LDS Rubber element.

All springs have additional travel to solid equal to 50% of Rated Deflection.

NOTE: Standard sizes shown.

For heavier capacities, consult factory.

SIZE QTY. TAG

Certification Form S-656 06/2009 DWN CHKD DATE DWG No.

^{††} applies to spring only.