

## **MASON INDUSTRIES, Inc.**

Manufacturers of Vibration Control Products

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

Housing and Spring are Powder Coated Steel	
Towder Coaled Steel	3/8" 10mm Upper Rod By Others
	Hanger may be installed contacting ceiling to save space
77/8" 200mm	Precompression and Final Deflection Scale
4 1/4" 108mm	1" 25mm Minimum Deflection Spring to Minimize Vibration Transmission
	Noise Reducing LDS Rubber Spring Cup with projecting bushing to prevent rod contact
2 1/2" 64mm	If snug after full loading, back-off nut until precompression washer clears 1/4" 6 mm
	Clearance provided so rod can swing 30° without contacting bushing and reducing efficiency.
27/8	1 1/2" x 1/2" 38mm x 13mm Channel By Others
1/2" 73mn 13mm	Channel Clamp and 3/8" 10mm

\* 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.

30 Hanger with

Ceiling Channel Clamp

**LDS** stands for **Low 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

ORIG	INAL PHY					COMPRES-		
PROPERTIES			OVEN AGING(70hrs/158°F)				SION SET	TERM CREEP
Tests: ASTM D-2240 & D-412			ASTM D-573			ASTM D-1149	ASTM	
Duro-	Tensile	Elongat.				25 pphm in air	D-395	ISO8013
Shore A	Strength (min)		ness (max)			by Vol. 20% Strain 100°F	22hrs/158°F Method B	168hrs
	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 30CC RATINGS**

Size	Rated Capacity (lbs) (kg)		Rated Deflection <sup>†</sup> (in) (mm)		Spring Constant <sup>††</sup> (lbs/in) (kg/mm)		Spring Color
12	12	5	1.25	32	10	0.18	Orange
23	23	10	1.30	33	18	0.30	Brown
33	33	15	1.10	28	30	0.54	Red
54	54	24	1.20	30	45	0.80	White
76	76	34	1.02	25	73	1.36	Black
113	113	51	1.00	25	113	2.04	Yellow
130	130	59	1.00	25	130	2.36	Purple
175	175	79	1.00	25	175	3.16	Silver
210	210	95	1.00	25	210	3.80	Blue

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

Threaded Rod

By Mason

Certification Form S-657 07/2009 DWN CHKD DATE DWG No.