



MASON INDUSTRIES, Inc.

Manufacturers of Vibration Control Products

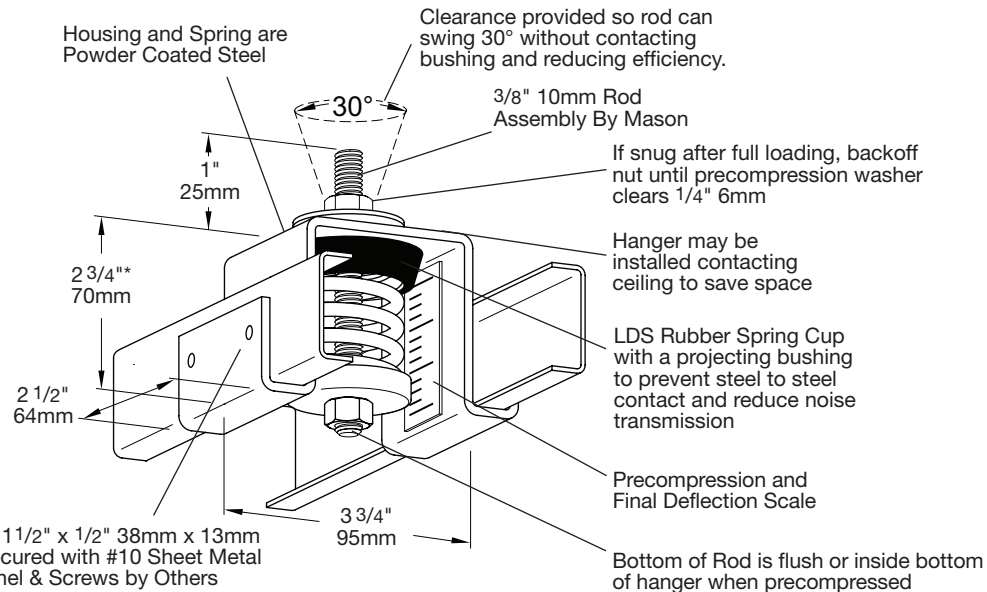
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JOB NAME _____
CUSTOMER _____
CUSTOMER P.O. _____
MASON M. _____
DWG No. _____

30CSCH

Compact Spring
Ceiling Hanger with
Precompressed
30 Series Springs



Channel Bracket accepts 1 1/2" x 1/2" 38mm x 13mm Channel which may be secured with #10 Sheet Metal Screws, if required. Channel & Screws by Others

TYPE 30CSCH RATINGS

Size	Rated Capacity (lbs) (kg)		Rated Deflection (in) (mm)		Spring Constant (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.

* 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			
Tests: ASTM D-2240 & D-412			ASTM D-573			ASTM D-1149	ASTM D-395	ISO8013
Duro- meter	Tensile Strength	Elongat. at Break	Hard- ness	Tensile Strength	Elongat. at Break	25 pphm in air by Vol. 20% Strain 100°F	22hrs/158°F Method B	168 hrs
Shore A	(min)	(min)	(max)	(max)	(max)			
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: AASHTO does not spec 40 Duro. 40 Duro by Mason.

MASON LAYOUT DRAWING NO. _____

SIZE	QTY.	TAG

Certification Form S-673 07/2009

DWN

CHKD

DATE

DWG No.