MASON INDUSTRIES

30CC, W30 & W30NCC

W30 W30CC 30CC Precompressed 30 Hanger with **Precompressed** Precompressed 30 Hanger with Ceiling Channel Clamp 30 Hanger with Eye Bolt and Ceiling Channel Clamp Eye Bolts 3/8" **10mm** Upper Housing and Spring are Rod By Others Eye Bolts By Mason Use 12 Ga wire or 3/8" x 3/4" Bolt & Nut Powder Coated Steel Hanger may be installed contacting ceiling to save space 10mm x 19mm Precompression and Final Deflection Scale 57/8"* 149mm 8 1/2"* 25mm Mininum 77/8"* Deflection Spring to 216mm 200mm Minimize Vibration Transmission 4 1/4" 108mm Noise Reducing LDS Rubber Spring Cup with projecting 30° bushing to prevent rod contact Hanger Frame If snug after full loading, Features & back-off nut until pre-**Dimensions** compression washer Same As 2 1/2" clears 1/4" 6 mm 30CC 64mm 30° Clearance provided so rod can swing 30° without contacting Ceiling bushing and reducing Mason efficiency. 30CC Framing Steel By Secondary 1 1/2" x 1/2" Others Steel 38mm x 13mm By Others Channel By Others Channel Clamp and 3/8" 10mm 27/8" 1/2" Threaded Rod **73mm** 13 mm By Mason Hangers are precompressed to 70% of assigned load. When full load is applied, gap opens between pre-compression washer and housing. These dimensions Typical 2 Layer Staggered Joint Gypsum Sound Barrier Ceiling.

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			TESTED FOR AGING				COMPRES-	
PROPERTIES			OVEN AGING(70hrs/158°F)			OZONE	SION SET	
Tests: A	ASTM D-224	0 & D-412	A	STM D-5	73	ASTM D-1149	ASTM	CREEP
Duro-	Tensile	Elongat.	Hard-	Tensile	Elongat.	25 pphm in air	D-395	ISO8013
meter				Strength			22hrs/158°F	
Shore A	(min)	(min)	(max)	(max)	(max)	Strain 100°F	Method B	168 hrs
	2000 psi				-25%	No Cracks	25%(max)	
	2250 psi				-25%	No Cracks		5%(max)
	2250 psi				-25%	No Cracks		5%(max)
70±5	2250 psi	300%	+10%	-25%	-25%	No Cracks	25%(max)	5%(max)

RATINGS Standard sizes shown. For heavier capacities, consult factory.

Hangers can accommodate any construction.

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

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

SPECIFICATION

Ceiling Hangers shall be fail safe and include a steel frame containing a nominal 1" deflection steel spring seated in an AASHTO Bridge Bearing Quality Low Dynamic Stiffness Rubber Cup with a rubber bushing extending through the box to prevent metal to metal contact between the steel suspension rod and the frame. Dynamic Stiffness of the cup shall not exceed 1.4. The ID of the bushing must allow a 30° swing from side to side before rod contact. Springs shall be factory precompressed to 70% of the assigned deflection. Hangers shall be Mason Industries 30CC for 11/2 x 1/2 channel, W30 for wire, W30CC for wire and 11/2 x 1/2 channel. Submittals shall confirm AASHTO Quality and Dynamic Stiffness in addition to deflection.