HDCC, WHD, WHDCC & WHR

HDCC

Double Deflection LDS Rubber Element with Ceiling Channel Clamp

Housing is Powder 3/8" 10mm Upper Coated Steel Rod By Others Hanger may be installed contacting ceiling to save space 3 1/2" **Double Deflection LDS** 89mm Rubber Element with Lock-In Grommet 7 1/4" to minimize noise 184mm transmission Frequency 8 Hz Assembly washer clears automatically 2 1/4" after installation **57mm** 1 1/2" x 1/2" 38mm x 13mm Channel By Others Channel Clamp and 3/8" 10mm Threaded Rod By Mason 1/2" 2 1/4" **13mm 57mm** WHR Minimal 0.2" 5mm Deflection LDS Hanger for 33/8" Wire Attachment 86mm Freq12 Hz 1 1/4' 1 1/2" 32mm **38mm**

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 PROPERTIES			TESTED FOR A				COMPRES- SION SET	TERM
Tests: A	ASTM D-224		A	STM D-5	73	ASTM D-1149		CREEP
Duro- meter	Tensile Strenath	Elongat, at Break			Elongat, at Break	25 pphm in air by Vol. 20%	D-395 22hrs/158°F	ISO8013
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	25%(max)	
	2250 psi				-25%	No Cracks		5%(max)
70±5	2250 psi	300%	+10%	-25%	-25%	No Cracks	25%(max)	5%(max)

HDCC, WHD or WHDCC SPECIFICATION

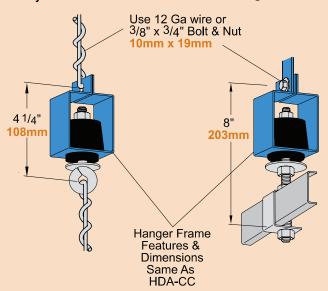
Ceiling Hangers shall be fail safe and include a steel frame containing an AASHTO Bridge Bearing Quality LDS Rubber Element molded with an integral lock in grommet at the bottom to prevent steel rod to housing contact. Dynamic Stiffness shall not exceed 1.4 nor the corrected frequency 8 Hz. Housing configurations shall be offered to accommodate bolting to structure and simple attachment to 11/2 x 1/2 channel, 12 gauge wire top and bottom or 12 gauge wire on top and 11/2 x 1/2 channel on the bottom. Ceiling hangers shall be Mason Industries type HDCC, WHD or WHDCC as required. Submittals shall confirm AASHTO Quality and Dynamic Stiffness in addition to frequency.

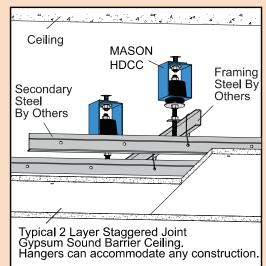
WHD

Double Deflection LDS Rubber Element with Upper Attachment Hole and Eye Bolt

WHDCC

Double Deflection LDS Rubber Element with Upper Attachment Hole and Ceiling Channel Clamp





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

Туре	Size	Duro- meter	Rat Capa Rar Ibs	acity	Max Rated Defl. in mm
HDCC- WHD- WHDCC-	A-Green A-Red A-White	40 50 60	20-50 40-90 80-180	9-23 18-42 36-82	0.35 9
WHR-	40-Green 50-Red 60-White 70-Yellow	40 50 60 70	Up to 60 55-95 90-155 150-220	Up to 27 25-43 41-70 68-100	0.20 5

WHR SPECIFICATION

Ceiling Hangers shall be fail safe and consist of opposed washers sandwiching an AASHTO Bridge Bearing Quality LDS Rubber Element 11/8" thick. Dynamic Stiffness shall not exceed 1.4" nor the corrected frequency 12 Hz. Connections shall be made with 12 gauge wire top and bottom passing through hairpin loops attached to the opposing washers. Ceiling Hangers shall be Mason Industries type WHR. Submittals shall confirm AASHTO Quality and Dynamic Stiffness in addition to frequency.