IM 2"(51mm) DEFLECTION B, B2, C2 & MULTIPLE C2 SIMPLE SPRING HANGERS

Ratings & Dimensions for 2"(51mm) Deflection Simple Spring Hangers (inches mm)

Type	Size	Rated Capacity (lbs) (kg)	Rated Defl. (in) (mm)	Spring Constant (lbs/in) (kg/mm)	Spring Color/ Stripe	Spring Only: Spring OD	Spring Only: Free Height	Bushing Outside Dia. BOD	Cup Outside Dia. COD	Max. Rod Dia MRD	Rod Penetration RP
2" 51mm Defl. IM-	B-20	20 9	2.40 61	8 0.15	Tan	2 3/8 60	4 102	1 7/8 48	3 1/8 79	3/4 19	4 7/8 124
	B-26	26 12	2.18 55	12 0.22	White/Blue						
	B-35	35 16	2.20 56	16 0.29	Purple						
	B-50	50 23	2.20 56	24 0.41	White/Red						
	B-65	65 29	2.10 53	31 0.55	Brown						
	B-85	85 39	2.10 53	40 0.74	White/Black						
	B-115	115 52	2.00 51	57 1.02	Silver						
	B-150	150 68	2.00 51	75 1.33	Orange						
	B2-210	210 95	2.12 54	99 1.76	Silver	2 3/8 60	4 1/2 114	1 7/8 48	3 1/8 79	3/4 19	5 3/8 137
	B2-290	290 132	2.00 51	144 2.59	Blue						
	B2-450‡	450 204	2.00 51	224 4.00	Tan						
	B2-680‡	680 308	2.00 51	340 6.04	Gray						
	C2-125	125 57	2.50 64	50 0.89	Purple	2 7/8 73	5 127	2 3/8 60	3 5/8 92	3/4 19	5 7/8 149
	C2-170	170 77	2.40 61	70 1.26	Brown						
	C2-210	210 95	2.30 58	90 1.64	Red						
	C2-260	260 118	2.20 56	120 2.11	White						
	C2-330	330 150	2.00 51	165 2.94	Black						
	C2-460	460 209	2.00 51	230 4.10	Blue						
	C2-610	610 277	2.00 51	305 5.43	Green						
	C2-880‡	880 399	2.00 51	440 7.83	Gray						
	C2-1210‡	1210 549	2.00 51	605 10.8	Silver						
	C2-1540‡	1540 699	2.00 51	770 13.7	Gray*						
	C2-1870‡	1870 848	2.00 51	935 16.6	Silver*						

All springs without "‡" have additional travel to solid equal to 50% of Rated Deflection. *with Red inner spring

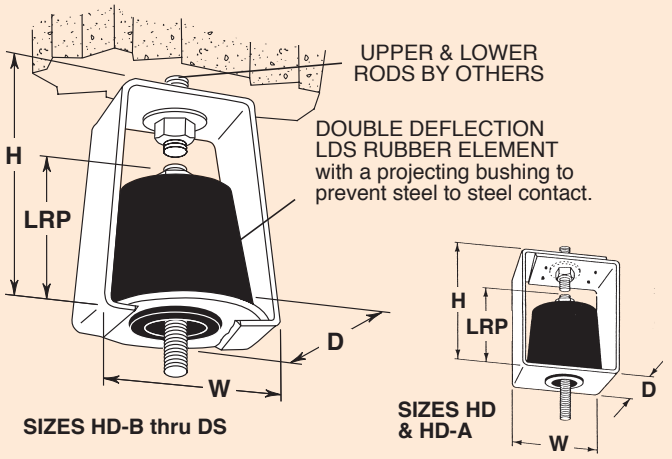
‡Published ratings allow minimum 25% additional travel to solid. For a full 50% specified minimum use the following ratings:

Size	Derated Capacity (lbs)	Defl. (in)
B2-450	4101.83	
B2-680	5651.66	
C2-880	8001.82	
C2-1210	10101.67	
C2-1540	12851.67	
C2-1870	15601.67	

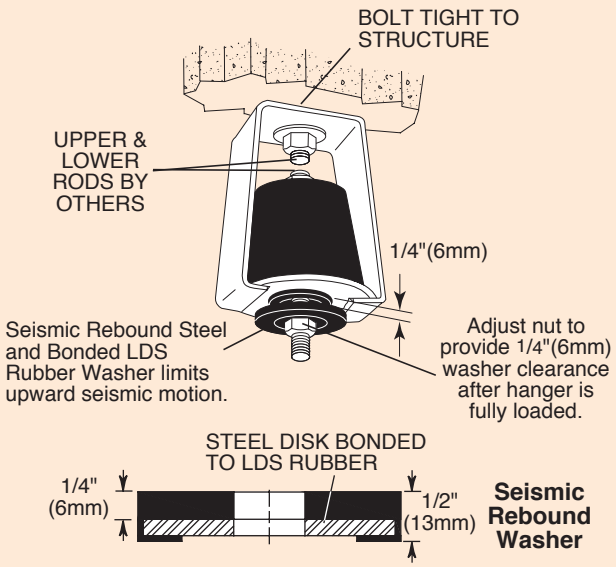
Size	Derated Capacity (kg)	Defl. (mm)
B2-450	186	46
B2-680	256	42
C2-880	363	46
C2-1210	458	42
C2-1540	583	42
C2-1870	708	42

DOUBLE DEFLECTION LDS HANGERS

HD FOR ROD ATTACHMENT



RWHD TYPE HD SEISMIC RESTRAINT

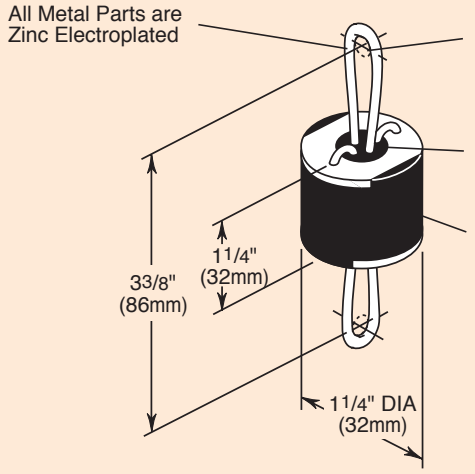


Ratings & Dimensions for LDS Hangers (inches mm)

Type	Size (Color Mark)	Duro-meter	Rated Capacity Range (lbs) (mm)	Max Rated Defl† (in) (mm)	D	H	W	Lower Rod Penetration LRP	Max. Rod Dia. MRD	Vertical G Ratings: Tension	Vertical G Ratings: Com-pression
HD-	Green	40	Up to 35 Up to 16	0.20 5	1 3/4 44	2 1/4 57	1 7/8 48	1 1/4 32	3/8 10	10.0+	10.0+
	White	60	35-75 16-34	0.20 5						10.0+	6.3
	A-Black	30	Up to 45 Up to 20	0.35 9	2 51	2 3/4 70	2 1/4 57	2 1/4 57	1/2 13	10.0+	10.0+
	A-Green	40	30-75 14-34	0.35 9						10.0+	8.5
	A-Red	50	60-125 27-57	0.35 9						10.0+	5.1
RWHD-	B-Red	50	Up to 235 Up to 107	0.40 10	3 1/4 83	4 1/2 114	4 1/4 108	3 76	3/4 19	10.0+	10.0+
	B-White	60	180-380 82-172	0.40 10						10.0+	6.7
	B-Yellow	70	320-650 145-295	0.40 10						10.0+	3.9
	BS-Blue	70	500-1000 227-454	0.40 10	3 1/4 83	4 1/2 114	4 1/4 108	3 76	3/4 19	10.0+	2.3
	CS-Blue	70	1000-2100 454-953	0.40 10	3 1/4 83	5 127	4 1/4 108	3 1/4 83	7/8 22	9.0	1.2
	DS-Blue	70	2100-4200 953-1905	0.40 10	4 102	6 1/4 159	4 3/4 121	3 1/4 83	7/8 22	5.0	1.0

†includes double deflection LDS element. Hanger elements have straight line deflection curves. +10.0 indicates a rating of 10 G's or greater.

WHR 0.2" (5mm) DEFLECTION LDS CEILING HANGERS for Wire or Horizontal Attachment



NOTE –
Tested to Failure at 1200 lbs.(544 kgs)

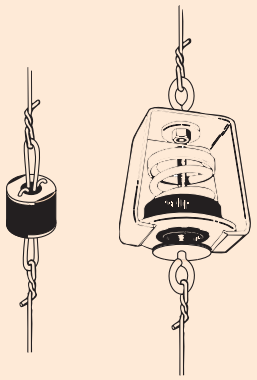
Ratings for LDS Ceiling Hangers

Type	Size (Durometer)	Rated Capacity Range (lbs) (kgs)	Rated Defl. (in) (mm)	Color Mark
WHR-	40	Up to 60 Up to 27	0.20 5	Green
	50	55-95 25-43	0.20 5	Red
	60	90-155 41-70	0.20 5	White
	70	150-220 68-100	0.20 5	Yellow

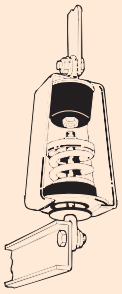
Hanger elements have straight line deflection curves.

For a complete presentation of Mason Ceiling Hangers, please refer to Bulletin CH-620 in the Architectural section.

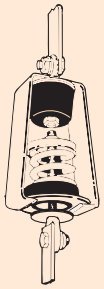
W HANGER INSTALLATION METHODS



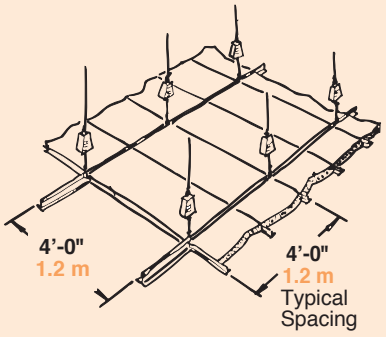
Secured by Wire



Bolted to Ceiling Channel



Bolted to Straps



TYPE W as Ceiling Hangers

W Hanger Selections Based on Ceiling Weight

Ceiling Description	Ceiling Wt. (lbs/ft²) (kg/m²)	Load Per Hanger (48"oc) (lbs) (kgs)	W30 W30N WHS WDNHS	Hanger Selections WHD	WHR
1"(25mm) Acoustical Ceiling Tile	2.5 12	40 18	X54	A-BLACK	40
11/2"(38mm) Metal Lath and Gypsum Plaster	10.0 49	160 73	X175	B-RED	70
2 Layers 1/2" (13mm) Gypsum Board	5.0 24	80 36	X113	A-RED	50
2 Layers 3/4" (19mm) Gypsum Board	7.5 37	120 54	X130	A-RED	60

PRODUCT FINISHES

All standard products have a painted or powder coated finish unless otherwise indicated. Springs are powder coated or zinc electroplated.

All hangers can be manufactured in stainless steel or hot dipped galvanized at additional cost.

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