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BOLT ISOLATION WASHER BUSHINGS

HANGER MOUNT ISOLATED BUSHING

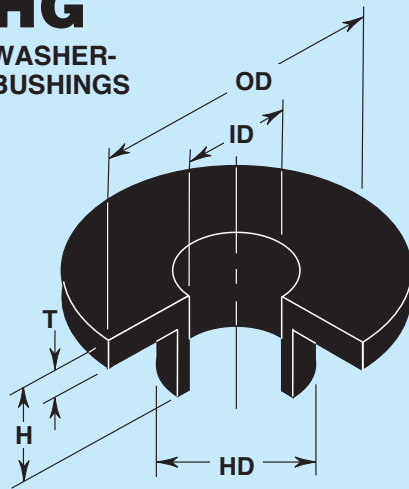
HG

HMIB

DATA SHEET DS-405-4A

HG

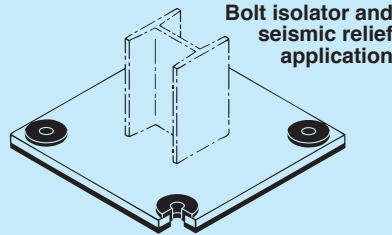
WASHER- BUSHINGS



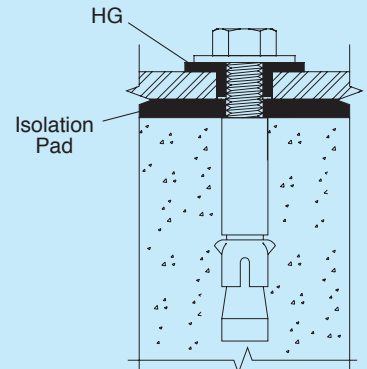
Material:
Bridge-Bearing
Neoprene

BRIDGE-BEARING NEOPRENE SPECIFICATIONS

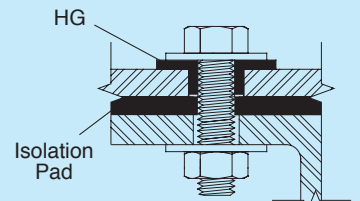
(a) Duro- meter	ORIGINAL PHYSICAL PROPERTIES		TESTED FOR AGING			(d) OZONE 1 ppm in air by Vol.20% Strain 100°F(38°C)	COMPRESSION SET (e) 22hrs 150°F(66°C) Method B	(a)ASTM D-676 (b)ASTM D-412 (c)ASTM D-573 (d)ASTM D-1149 (e)ASTM D-395
	(b) Tensile Strength (min)	(b) Elongat. at Break (min)	(c) OVEN AGING(70h/212°F)	(c) Hard- ness at Break (max)	(c) Tensile Strength at Break (max)			
40±5	2000 psi	140 kg/cm ²	450%	+15%	±15%	-40%	No Cracks	30%(max)
50±5	2500 psi	176 kg/cm ²	400%	+15%	±15%	-40%	No Cracks	25%(max)
60±5	2500 psi	176 kg/cm ²	350%	+15%	±15%	-40%	No Cracks	25%(max)



HG Washer Bushings may be used without isolation pads to limit bolt shear from impact.



Steel to Concrete Detail



Steel to Steel Detail

TYPE HG DIMENSIONS

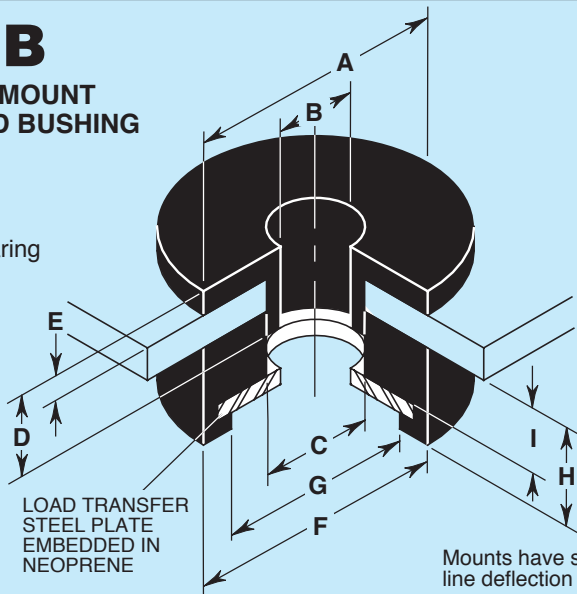
Size	Bolt Dia.* (in) (mm)	Allowable Shear Load in a Steel to Steel Connection		Allowable Tension Load in a Steel to Steel Connection		ID (in) (mm)	HD (in) (mm)	OD (in) (mm)	T (in) (mm)	H (in) (mm)
		(lbs) (kgs)	(kgs)	(lbs) (kgs)	(kgs)					
HG-25	1/4 6	490	2.2	980	4.4	1/4 6	1/2 13	1 25	1/8 3	3/8 10
HG-38	3/8 10	1100	4.9	2200	9.8	3/8 10	5/8 16	1 1/4 32	1/8 3	1/2 13
HG-50	1/2 13	1960	8.7	3920	17.4	1/2 13	3/4 19	1 5/8 41	1/8 3	1/2 13
HG-63	5/8 16	3070	13.6	6140	27.2	5/8 16	7/8 22	2 51	3/16 5	5/8 16
HG-75	3/4 19	4420	19.7	8840	39.4	3/4 19	1 25	2 1/4 57	3/16 5	5/8 16
HG-100	1 25	7850	34.9	15700	69.8	1 25	1 1/4 32	2 3/4 70	1/4 6	7/8 22
HG-125	1 1/4 32	12270	54.6	24540	109.2	1 1/4 32	1 1/2 38	3 1/4 83	1/4 6	7/8 22
HG-150	1 1/2 38	17670	78.6	35340	157.2	1 1/2 38	1 3/4 45	3 3/4 95	1/4 6	1 25

* Retention strength based on diameter of anchor bolt and anchoring method.

HMIB

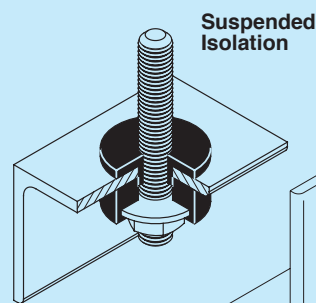
HANGER MOUNT ISOLATED BUSHING

Material:
Bridge-Bearing
Neoprene

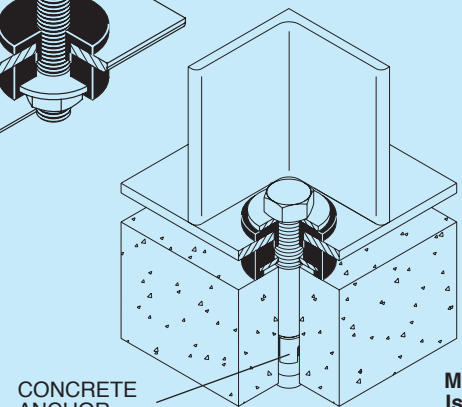


LOAD TRANSFER
STEEL PLATE
EMBEDDED IN
NEOPRENE

Mounts have straight
line deflection curves.



Suspended
Isolation



CONCRETE
ANCHOR

Used for
Suspended or
Floor Mounted
Equipment

Floor
Mounted
Isolation

TYPE HMIB DIMENSIONS (inches mm)

Size	A	B	C	D	E	F	G	H	I	Rated Load (lbs) (kgs)	Rated Defl (in) (mm)
HMIB-1/4	1 25	1/4 6	1/2 13	3/8 10	1/8 3	1 1/2 38	1 25	1/2 13	3/8 10	60 27	.075 1.9
HMIB-3/8	1 1/4 32	3/8 10	5/8 16	1/2 13	1/8 3	1 3/4 45	1 1/4 32	5/8 16	1/2 13	70 32	.095 2.4
HMIB-1/2	1 5/8 41	1/2 13	3/4 19	1/2 13	1/8 3	1 3/4 45	1 1/4 32	5/8 16	1/2 13	100 45	.095 2.4
HMIB-5/8	2 51	5/8 16	7/8 22	5/8 16	3/16 5	2 51	1 1/2 38	3/4 19	1/2 13	120 54	.110 2.8