

SPECIFICATIONS : ICSN-2R2, 2" DEFLECTION RESTRAINED SPRING ISOLATOR C/W (2) LAYERS OF ISOTECH VIBRATION ISOLATION PAD, ISOPAD-24

Model	Rated Load		Rated Deflection		Spring Color		Approx. WT.	
	lb.f.	kN	in	mm	outer	inner	lbs.	kg
ICSN-2R2-5000	5000	22.241	2.0	50.8	ORANGE	---	59.8	27.12
ICSN-2R2-5600	5600	24.91	2.0	50.8	ORANGE	YELLOW	60.00	27.22
ICSN-2R2-6000	6000	26.69	2.0	50.8	BLACK	---	60.20	27.31
ICSN-2R2-6600	6600	29.359	2.0	50.8	BLACK	YELLOW	60.80	27.58
ICSN-2R2-7000	7000	31.138	2.0	50.8	BLACK	WHITE	61.00	27.67
ICSN-2R2-7600	7600	33.807	2.0	50.8	BLACK	RED	61.60	27.94
ICSN-2R2-8000	8000	35.586	2.0	50.8	BLACK	BLUE	62.00	28.12
ICSN-2R2-9000	9000	40.034	2.0	50.8	BLACK	BROWN	63.00	28.58

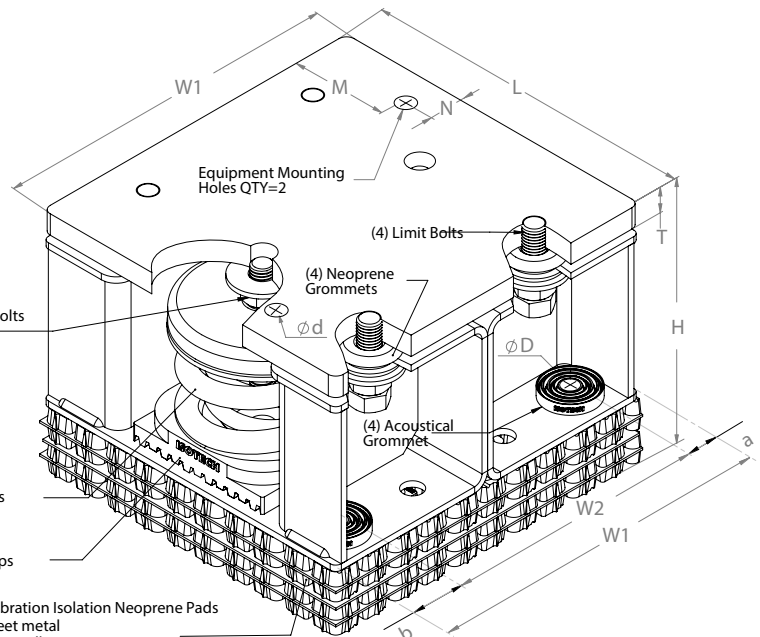
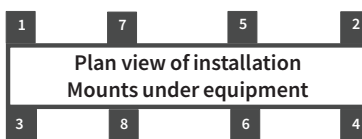
Model

Dimension : ICSN-2R2-5000-9000 WITH (2) LAYERS OF ISOTECH VIBRATION ISOLATION PAD, ISOPAD-24

L		W1		H		T		W2		øD	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
9 7/8	251	10 1/4	261	7 1/2	191	3/4	20	8 1/16	205	1/2	13
ød		M		N		a		b		SPRING BOLT ADJUSTMENT	
in	mm	in	mm	in	mm	in	mm	in	mm		
3/16	15	3.0	77	1.0	26	1.1	28	1.1	28	3/8"	

ISOLATOR'S LOCATIONS

1:	5:
2:	6:
3:	7:
4:	8:



ISOPAD- (2) layers of 15/16" THK Vibration Isolation Neoprene Pads
Laminated on 16 ga Galvanized Sheet metal
50 Duro Black for capacities below 6000 lbs
60 Duro Orange for capacities above 6000 lbs

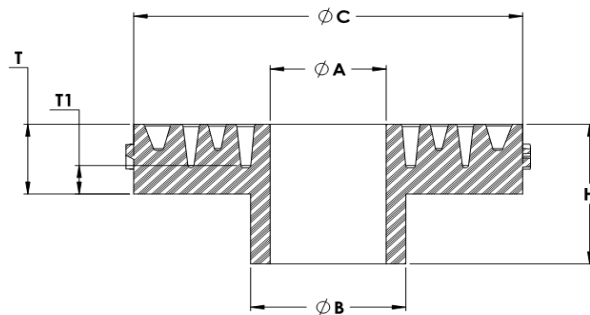
Notes:

- ICSN-2R2-5000-9000 type isolators are designed for minimum 1g lateral seismic and wind load when attached to steel structure. Housing is made from high strength steel
- ICSN-2R2-5000-9000 Isolators are all Pre-Compressed to allow the lowest overall installation height and to offer significant labor saving during installation
- All springs have additional travel to solid equal to 50% of the Rated Deflection with minimum Kx/Ky ratio of 1.0 - All Elements are safe at solid load
- Spring(s) are powder - coated to provide maximum corrosion resistance , and are color-coded for easy identification at site - see table above
- Hot-Dip Galvanized finish for Housing to offer maximum corrosion resistance for isolator - Hardware and Spring Compression Cup are zinc -electroplated
- ICSN-2R2-5000-9000 isolators are designed to allow replacement of Neoprene grommet without disturbing equipment. Neoprene grommet are installed to prevent metal to metal contact.
- Same Thickness and dimensions of isolator top plate, must be installed on top of isolator, when less than 80% of isolator's top plate is covered.

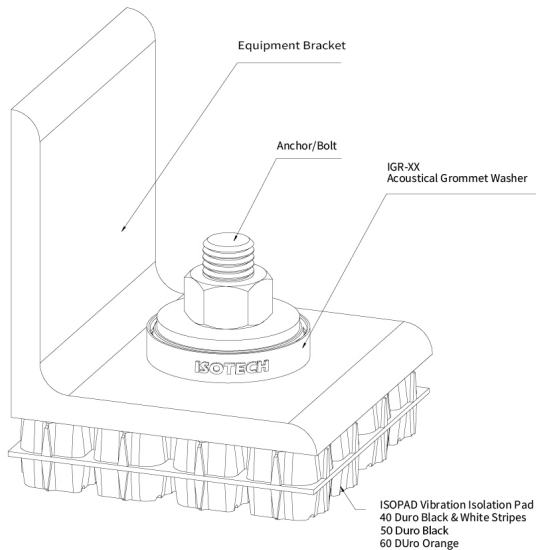
PROJECT INFORMATION		EQUIPMENT INFORMATION		CANADA	UNITED STATES
Customer:		Type:		8 High Meadow Place, North York, ON M9L 2Z5, CANADA	800-7700 Irvine Center Dr., Irvine, CA 92618, U.S.A.
Project:		Qty Required:		C: 416-831-3000	C: 714-264-8090
Drawing No:		Operating Weight:		www.isotechindustries.com	
Notes:					

SPECIFICATIONS : ACOUSTICAL GROMMET WASHER IGR-XX

Model	ϕA		ϕB		ϕC		H		T		T1	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
IGR-38	3/8	10	1/2	13	1 1/4	32	1/2	13	1/4	7	1/8	4
IGR-50	1/2	13	3/4	20	1 5/8	42	5/8	16	5/16	8	3/16	5
IGR-63	5/8	16	7/8	23	2	51	3/4	20	3/8	10	3/16	5

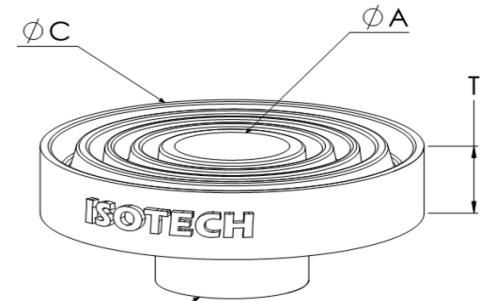


IGR - XX Section View

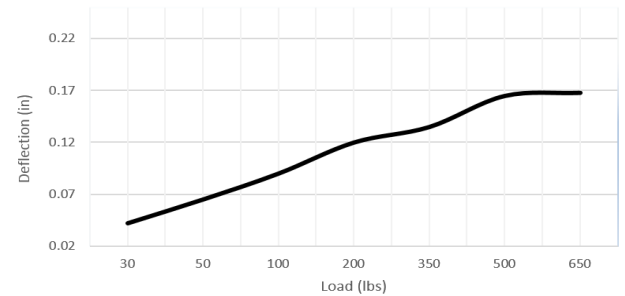


Notes:

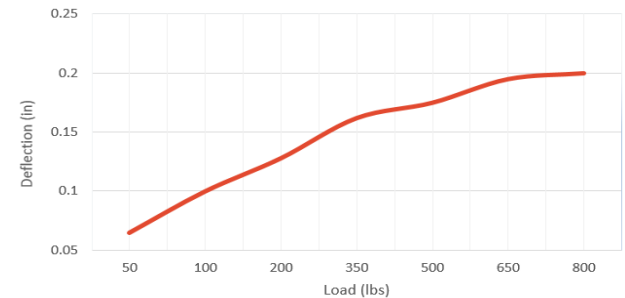
- Application of grooves and thicker material offers significant improvements on isolation efficiency of the system
- IGR Acoustical Grommet is available on 50 & 60 Duro Neoprene Material
- IGR Acoustical Grommet neoprene material is per ASTM D2000 Standards
- Anchor or bolt size to match ϕA dimension
- Deflection-Load graphs are based on 60 Duro Neoprene Material



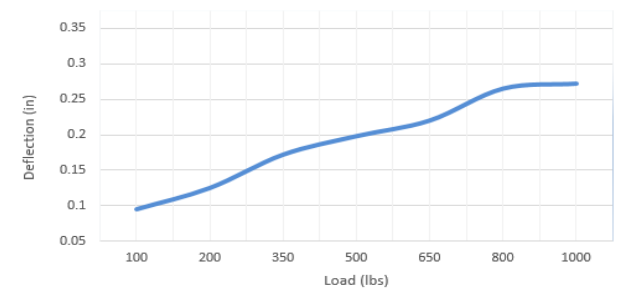
IGR-38



IGR-50



IGR-63



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ISOPAD-24 ISOTECH VIBRATION ISOLATION PAD

File No. : ISOPAD-24

Date: 03/29/22

ISOIN-ISOPAD-24, Installation Instructions document, to be Reviewed for Installation

ISOPAD 40 Duro Black with White Stripes

ISOPAD-X-40	x		Load range		Optimum load		Approx. WT.	
	in	mm	lbf.	kN	lbf.	kN	lbs.	kg
	2.0	50	40 - 180	0.176 - 0.79	120	0.53	0.09	0.05
	3.0	75	90 - 405	0.396 - 1.78	270	1.20	0.21	0.1
	4.0	100	160 - 720	0.704 - 3.17	480	2.14	0.38	0.18
	6.0	150	360 - 1620	1.584 - 7.13	1080	4.81	0.84	0.39
	9.0	225	810 - 3645	3.564 - 16.04	2430	10.81	1.93	0.88
	12.0	300	1440 - 6480	6.336 - 28.51	4320	19.22	3.38	1.54
	18.0	450	3240 - 14580	14.256 - 64.15	9720	43.24	3.38	1.54
	24.0	600	5760 - 25920	25.344 - 114.05	17280	76.87	13.50	6.13

ISOPAD 50 Duro Black

ISOPAD-X-50	X		Load range		Optimum load		Approx. WT.	
	in	mm	lbf.	kN	lbf.	kN	lbs.	kg
	2.0	50	80 - 280	0.352 - 1.23	180	0.80	0.10	0.05
	3.0	75	180 - 630	0.792 - 2.77	405	1.80	0.23	0.11
	4.0	100	320 - 1120	1.408 - 4.93	720	3.20	0.40	0.19
	6.0	150	720 - 2520	3.168 - 11.09	1620	7.21	0.91	0.42
	9.0	225	1620 - 5670	7.128 - 24.95	3645	16.21	2.07	0.94
	12.0	300	2880 - 10080	12.672 - 44.35	6480	28.83	3.63	1.65
	18.0	450	6480 - 22680	28.512 - 99.79	14580	64.86	3.63	1.65
	24.0	600	11520 - 40320	50.688 - 177.41	25920	115.30	14.50	6.58

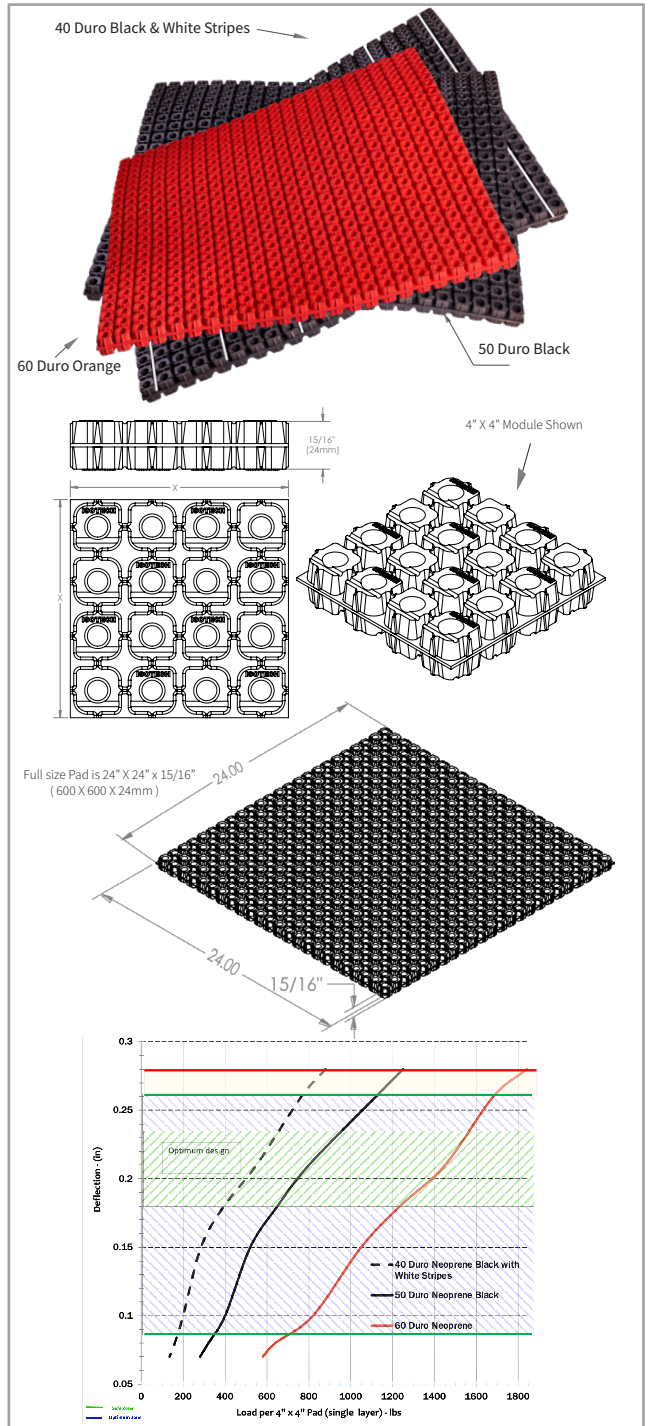
ISOPAD 60 Duro Orange

ISOPAD-X-60	X		Load range		Optimum load		Approx. WT.	
	in	mm	lbf.	kN	lbf.	kN	lbs.	kg
	2.0	50	160 - 420	0.704 - 1.85	320	1.42	0.11	0.05
	3.0	75	360 - 945	1.584 - 4.16	720	3.20	0.24	0.11
	4.0	100	640 - 1680	2.816 - 7.39	1280	5.69	0.43	0.2
	6.0	150	1440 - 3780	6.336 - 16.63	2880	12.81	0.97	0.44
	9.0	225	3240 - 8505	14.256 - 37.42	6480	28.83	2.21	1.01
	12.0	300	5760 - 15120	25.344 - 66.53	11520	51.24	3.88	1.76
	18.0	450	12960 - 34020	57.024 - 149.69	25920	115.30	8.61	3.91
	24.0	600	23040 - 60480	101.376 - 266.11	46080	204.97	15.50	7.04

Thickness		Deflection Range		Optimum Deflection	
in	mm	in	mm	in	mm
15/16	24.0	0.08 To 0.26	2.0 to 6.4	0.21	5.3

Notes:

- Full size pad is 24"x 24" x 15/16" (600 x 600 x 24mm) - a total of 144 - 2" modules
- Pad is designed to have thin web between modules that allows quick and easy cut with utility knife on site.
- 24" x 24" pad size offers minimum waste on site and provides evenly dimensioned pads such as 2" x 2" (50 x 50mm), 2" x 4" (50 x 100mm), 4" x 4" (100 x 100mm)
- Pads are made of high quality AASHTO Bridge-Bearing Neoprene material for maximum life service, excellent oil resistance and vibration isolation performance.
- ISOPAD-24 is available in 40 Duro- Color coded Black with White stripes - 50 Duro Black and 60 Duro Orange. Review table and graph for safe design and performance
- Pads can be stacked with 16 ga (1.5mm) Galvanized sheet metal to increase deflection and isolation efficiency. When two layers are laminated, they can provide double the deflection under the same load as shown in table and graph.



Mark this Box if distribution plate is required. Product code ISOPAD-XM

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