

SPECIFICATIONS : ICSN-4R2, 4" 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- 4R2-5600	5600	24.91	4.0	101.6	BLUE	---	246.00	111.58
ICSN- 4R2-6000	6000	26.69	4.0	101.6	BROWN	---	250.00	113.04
ICSN- 4R2-6600	6600	29.359	4.0	101.6	BROWN	RED	251.00	113.85
ICSN- 4R2-7000	7000	31.138	4.0	101.6	BLACK	---	247.00	112.04
ICSN- 4R2-7200	7200	32.028	4.0	101.6	BLACK	BLUE	252.00	114.30
ICSN- 4R2-7600	7600	33.807	4.0	101.6	BLACK	RED	252.00	114.30
ICSN- 4R2-8000	8000	35.586	4.0	101.6	BLACK	YELLOW	253.00	114.76
ICSN- 4R2-9000	9000	40.034	4.0	101.6	BLACK	BROWN	253.00	114.76
ICSN- 4R2-10000	10000	44.482	4.0	101.6	BLACK	BLACK	254.00	115.21

Model

DIMENSION : ICSN-4R2-5600-10000 WITH (2) LAYERS OF ISOTECH VIBRATION ISOLATION PAD, ISOPAD-24

L		L1		W		W1		W2		H		SPRING AD- JUSTMENT BOLTS
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	
12 ¾	324	5 ¾	146	15 ½	384	11 ½	283	11 ½	302	12 1/16	329	
T		M		N		a		ø D		ø d		
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	
5/8	16	3 ½	89	2	51	1 ¾	41	½	13	1 1/16	18	

ISOLATOR'S LOCATIONS

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

1	7	5	2
3	8	6	4

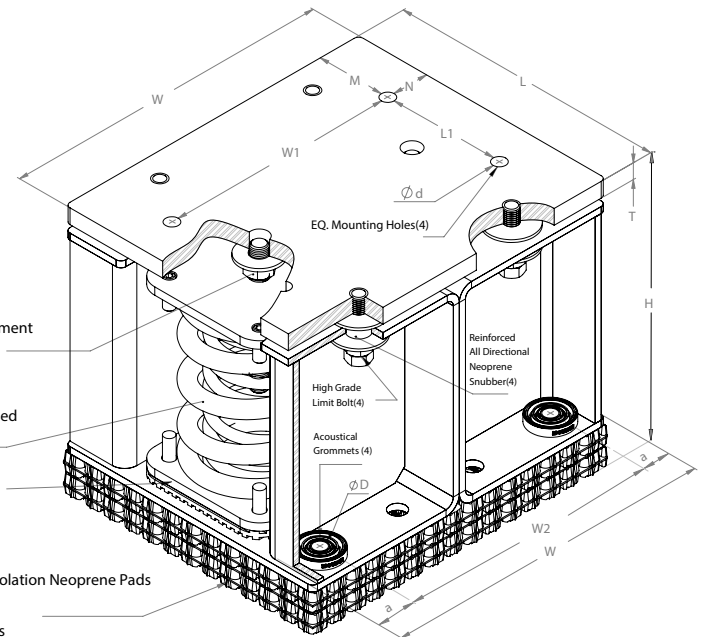
Plan view of installation
Mounts under equipment

Spring Adjustment
Bolts(2)

4" Deflection
Pre-Compressed
Spring(s)(2)

Spring Support Cup
c/w 1/2" THK Double-ribbed
Neoprene pad(2)

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



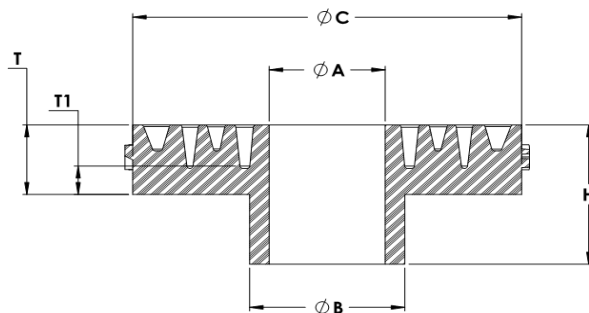
Notes:

- ICSN-4R2-5600-10000 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-4R2-5600-10000 isolators are designed to allow replacement of Neoprene grommet without disturbing equipment. Neoprene grommet are installed to prevent metal to metal contact.
- Same thickness plate, with the same dimensions of isolator top plate, must be installed on top of isolator, when less than 80% of isolator's top plate is covered

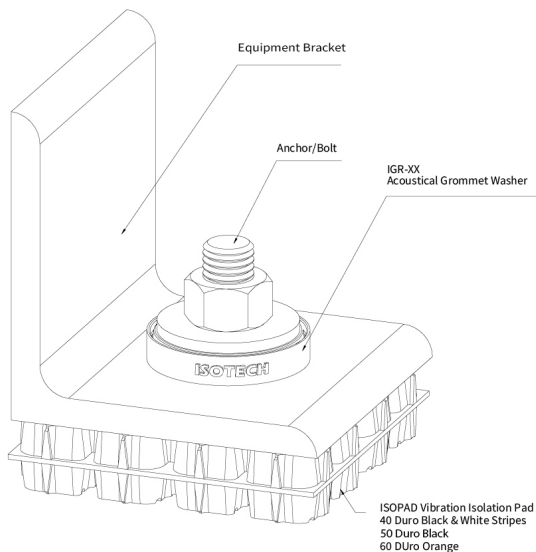
PROJECT INFORMATION		EQUIPMENT INFORMATION		CANADA	UNITED STATES
Customer:		Type:		8 High Meadow Place, North York, ON M9L 2Z5, CANADA	800-7700 Irvine Center Dr., Irvine, CA 92618, U.S.A.
Project:		Qty Required:		C: 416-831-3000	C: 714-264-8090
Drawing No:		Operating Weight:		www.isotechindustries.com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

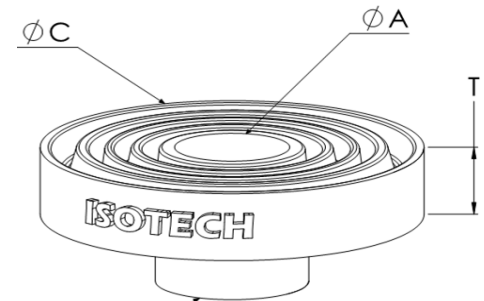


IGR - XX Section View

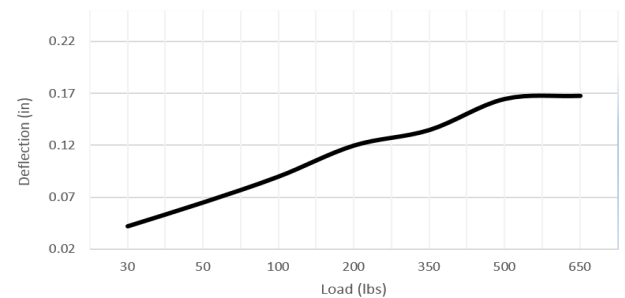


Notes:

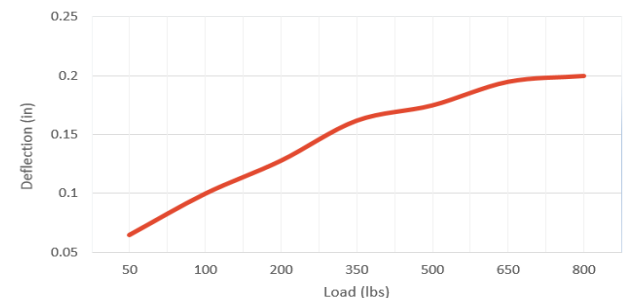
- Application of grooves and thicker material offers significant improvements on isolation efficiency of the system
- IGR Acoustical Grommet is available on 50 & 60 Duro Neoprene Material
- IGR Acoustical Grommet neoprene material is per ASTM D2000 Standards
- Anchor or bolt size to match ϕA dimension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



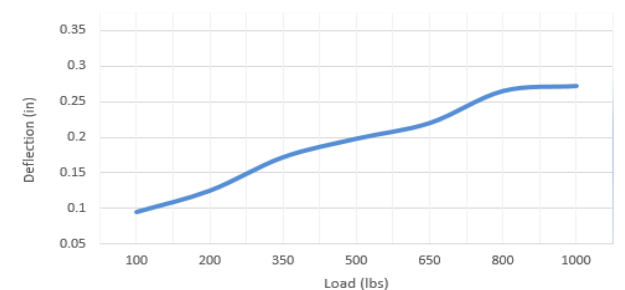
IGR-38



IGR-50



IGR-63



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Notes:				

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

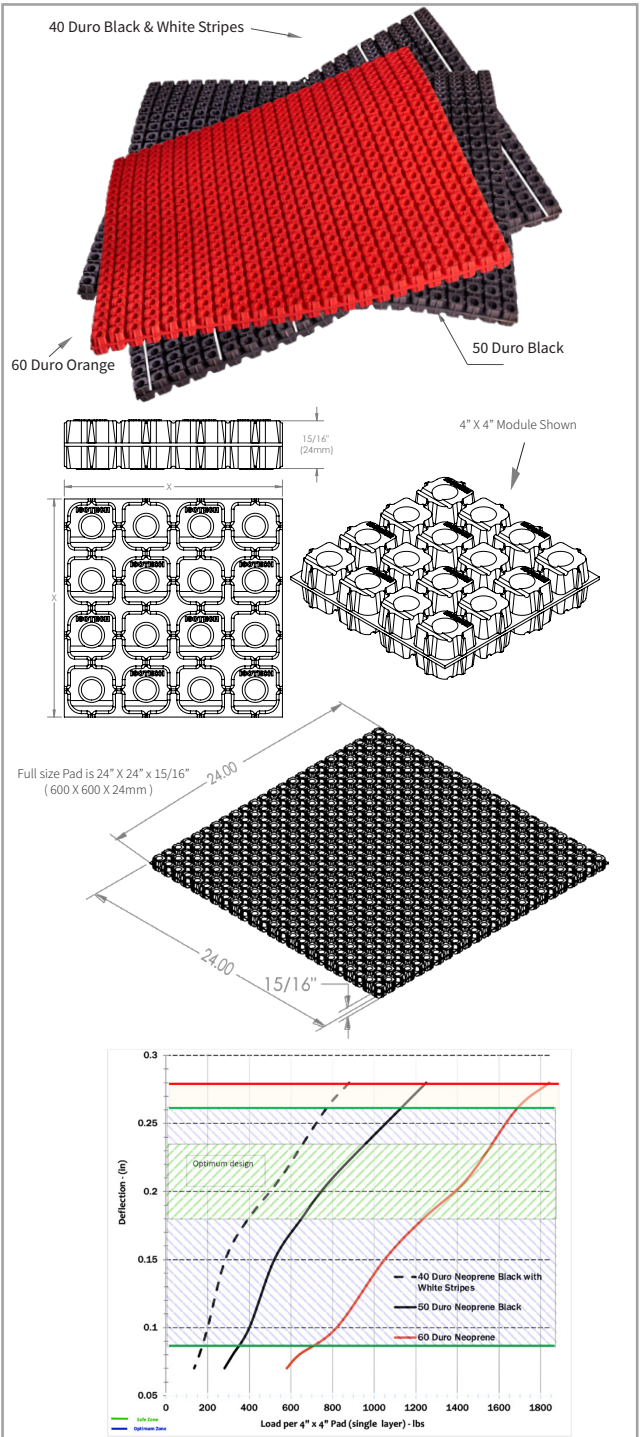
ISOPAD 60 Duro Orange

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

PROJECT INFORMATION

Customer:	
Project:	
Drawing No:	
Notes:	

EQUIPMENT INFORMATION

Type:	
Qty Required:	
Operating Weight:	

CANADA

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