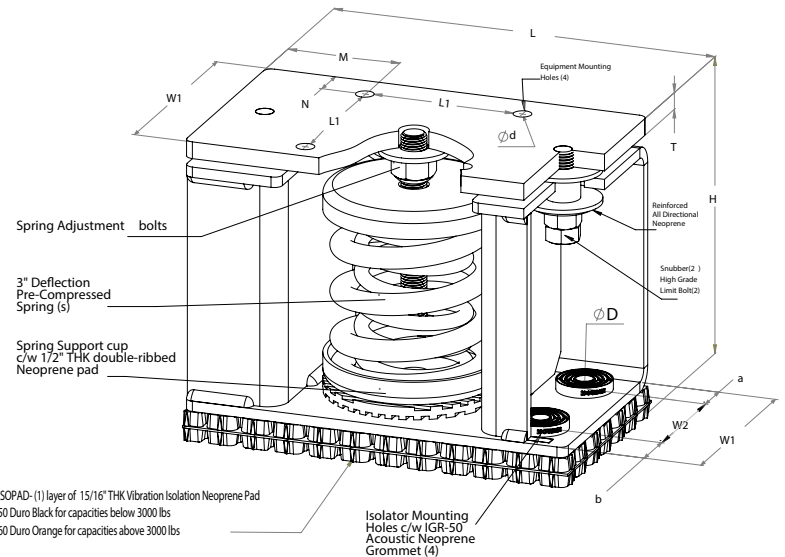


SPECIFICATIONS : ICSN-3R1, 3" DEFLECTION RESTRAINED SPRING ISOLATOR C/W(1)LAYER OF ISOTECH VIBRATION ISOLATION PAD, ISOPAD-24

Model	Rated Load		Rated Deflection		Spring Color		Approx. WT.	
	lbf.	kN	in	mm	outer	inner	lbs.	kg
ICSN-3R1-100	100	0.445	3.0	76.2	YELLOW	---	49.50	22.45
ICSN-3R1-200	200	0.89	3.0	76.2	YELLOW	BROWN	50.00	22.68
ICSN-3R1-300	300	1.335	3.0	76.2	GREEN	---	49.90	22.63
ICSN-3R1-400	400	1.78	3.0	76.2	GREEN	BROWN	50.40	22.86
ICSN-3R1-500	500	2.225	3.0	76.2	BLUE	---	50.10	22.72
ICSN-3R1-600	600	2.669	3.0	76.2	BLUE	BROWN	50.50	21.55
ICSN-3R1-800	800	3.559	3.0	76.2	WHITE	---	50.00	22.68
ICSN-3R1-1000	1000	4.449	3.0	76.2	ORANGE	---	50.30	22.82
ICSN-3R1-1200	1200	5.338	3.0	76.2	ORANGE	BLACK	50.80	23.04
ICSN-3R1-1500	1500	6.673	3.0	76.2	BLACK	---	50.80	23.04
ICSN-3R1-1800	1800	8.007	3.0	76.2	ORANGE	GREY	51.00	23.13
ICSN-3R1-2000	2000	8.897	3.0	76.2	RED	---	50.50	22.91
ICSN-3R1-2300	2300	9.787	3.0	76.2	BLACK	GREY	51.10	23.18
ICSN-3R1-2500	2500	11.121	3.0	76.2	GREY	---	51.00	23.13
ICSN-3R1-2800	2800	12.455	3.0	76.2	GREY	WHITE	51.80	23.50
ICSN-3R1-3000	3000	13.345	3.0	76.2	BROWN	---	51.50	23.36
ICSN-3R1-3500	3500	15.569	3.0	76.2	BROWN	YELLOW	52.20	23.68
ICSN-3R1-3800	3800	16.904	3.0	76.2	BROWN	GREY	52.40	23.77
ICSN-3R1-4000	4000	17.793	3.0	76.2	BROWN	RED	52.60	23.86
ICSN-3R1-4500	4500	20.017	3.0	76.2	BROWN	BLUE	55.00	24.95

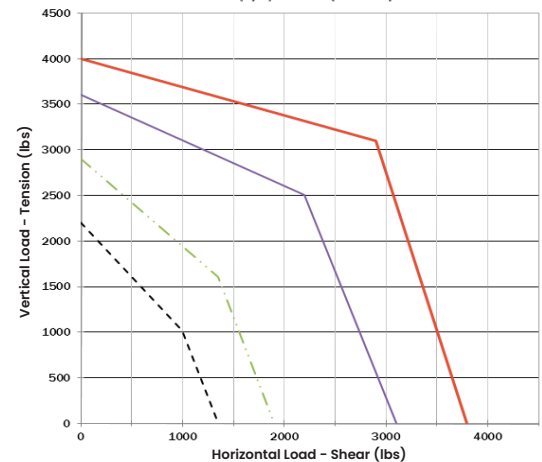


ISOPAD- (1) layer of 15/16" THK Vibration Isolation Neoprene Pad
50 Duro Black for capacities below 3000 lbs
60 Duro Orange for capacities above 3000 lbs

* Load Capacity Envelope: Concrete loads are based on 4000 psi reinforced concrete with minimum 6" edge distance and can be considered for non seismic applications only.

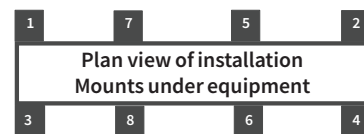
ICSN-3R1-100-4500 LOAD CAPACITY ENVELOPE

- Attached to Steel Structure with (4) 5/8" Bolts(Grade 5) and Nuts
- - Attached to Concrete Structure with (2) 1/2" Hilti KB TZ (2" Embedment) -4" Slab
- - Attached to Concrete Structure with (2) 5/8" Hilti KB TZ 4" Embedment -6" Slab
- Attached to steel structure with (4) 1/2" Bolts(Grade 5) and Nuts



Model					
Dimension : ICSN-3R1-100-4500 WITH (1) LAYER OF ISOTECH VIBRATION ISOLATION PAD, ISOPAD-24					
L		W1		H	
in	mm	in	mm	in	mm
11 1/2	293	6 1/16	167	8 7/8	226
T		W2		ø D	
in	mm	in	mm	in	mm
1/2	13	3 1/2	89	1/2	13
ø d		M		N	
in	mm	in	mm	in	mm
3/16	15	3 3/8	86	1 1/16	27
a		b		a	
in	mm	in	mm	in	mm
1 1/16	44	1 3/8	36	4 3/4	121
SPRING ADJUSTMENT BOLT					
3/4"					

ISOLATOR'S LOCATIONS	
1:	5:
2:	6:
3:	7:
4:	8:



Notes:

- ICSN-3R1-100-4500 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-3R1-100-4500 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:					

IGR - ISOTECH ACOUSTICAL GROMMET

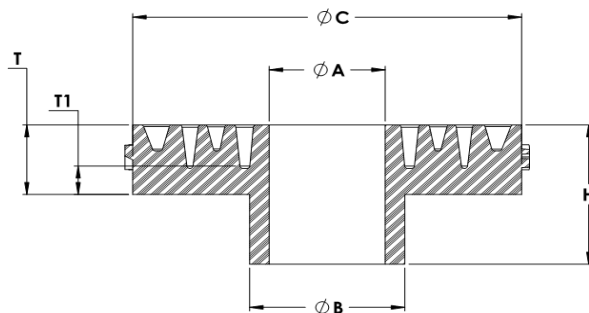
File No.: ISOCS-IGR-XX

Date:03/29/22

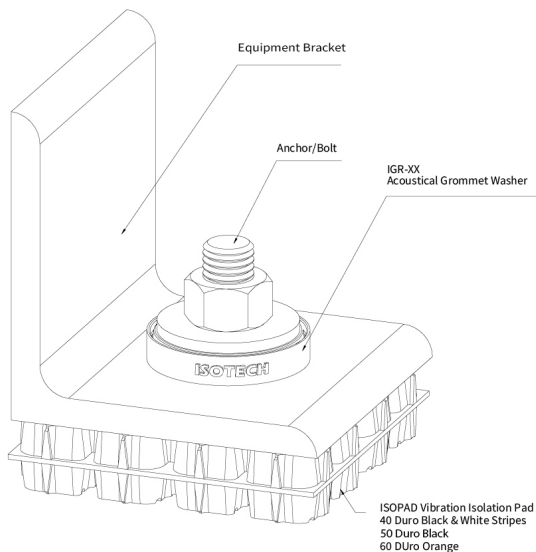
ISOIN-IGR-XX, Installation Instructions Document, to be Reviewed for Installation

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

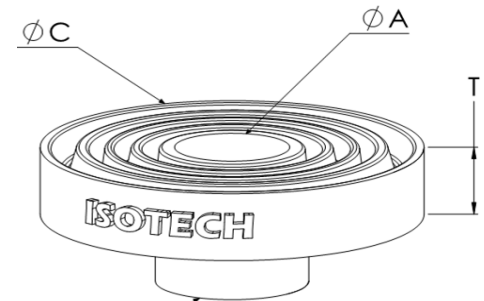


IGR - XX Section View

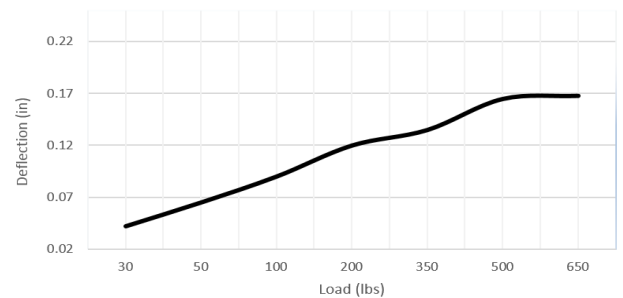


Notes:

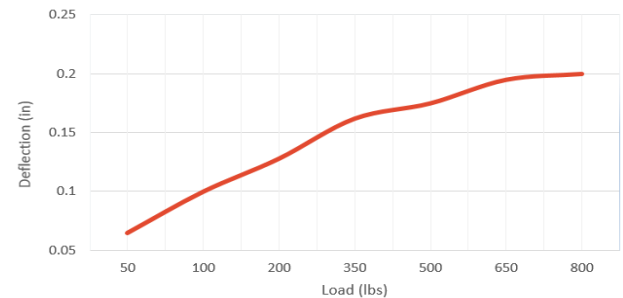
- Application of grooves and thicker material offers significant improvements on isolation efficiency of the system
- IGR Acoustical Grommet is available on 50 & 60 Duro Neoprene Material
- IGR Acoustical Grommet neoprene material is per ASTM D2000 Standards
- Anchor or bolt size to match ϕA dimension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



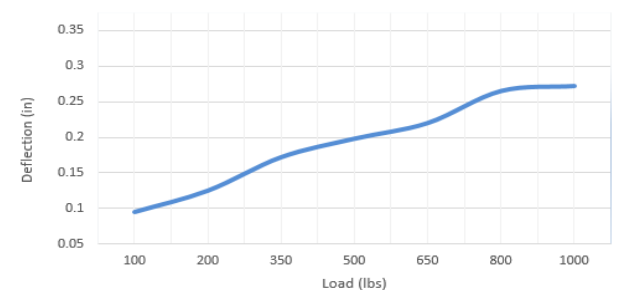
IGR-38



IGR-50



IGR-63



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

COPYRIGHT: UNLESS OTHERWISE AGREED OR STATED IN WRITING, ALL INFORMATION AND DESIGNS DISPLAYED WITHIN ARE ALL THE PROPERTY OF ISOTECH INDUSTRIES INC. AND MAY NOT BE DUPLICATED OR DISTRIBUTED OUTSIDE OF ISOTECH INDUSTRIES INC. WITH THE EXCEPTION OF AUTHORIZED PERSONS WITH LEGITIMATE NEED TO KNOW WHO BY THE USE OF THIS RECOGNIZE ISOTECH INDUSTRIES INC. OWNERSHIP AND WILL COMPLY TO MAINTAIN THIS INFORMATION AND DESIGN IN STRICT CONFIDENCE.

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	lb.	kN	lb.	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	lb.	kN	lb.	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

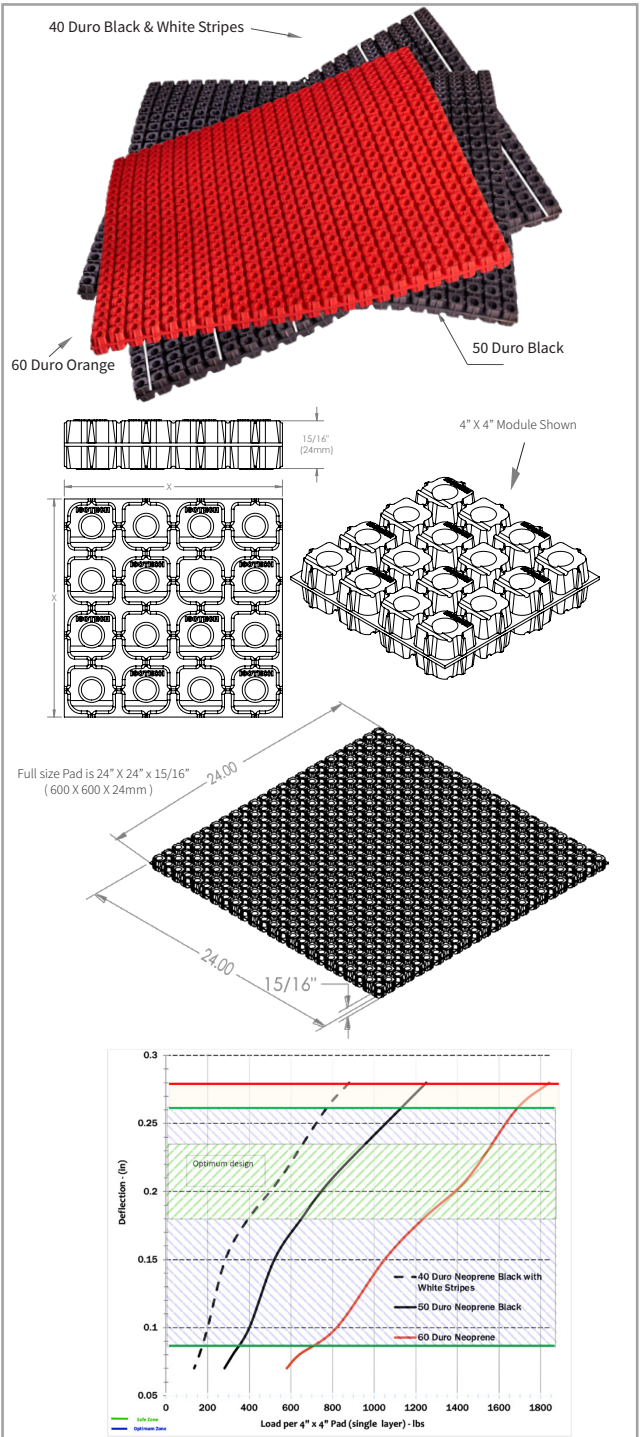
ISOPAD 60 Duro Orange

ISOPAD-X-60	X		Load range		Optimum load		Approx. WT.	
	in	mm	lb.	kN	lb.	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:	

EQUIPMENT INFORMATION

Type:	
Qty Required:	
Operating Weight:	

CANADA

8 High Meadow Place,
North York, ON M9L 2Z5,
CANADA

C: 416-831-3000

UNITED STATES

800-7700 Irvine Center Dr.,
Irvine, CA 92618,
U.S.A.

C: 714-264-8090

www.isotechindustries.com

