

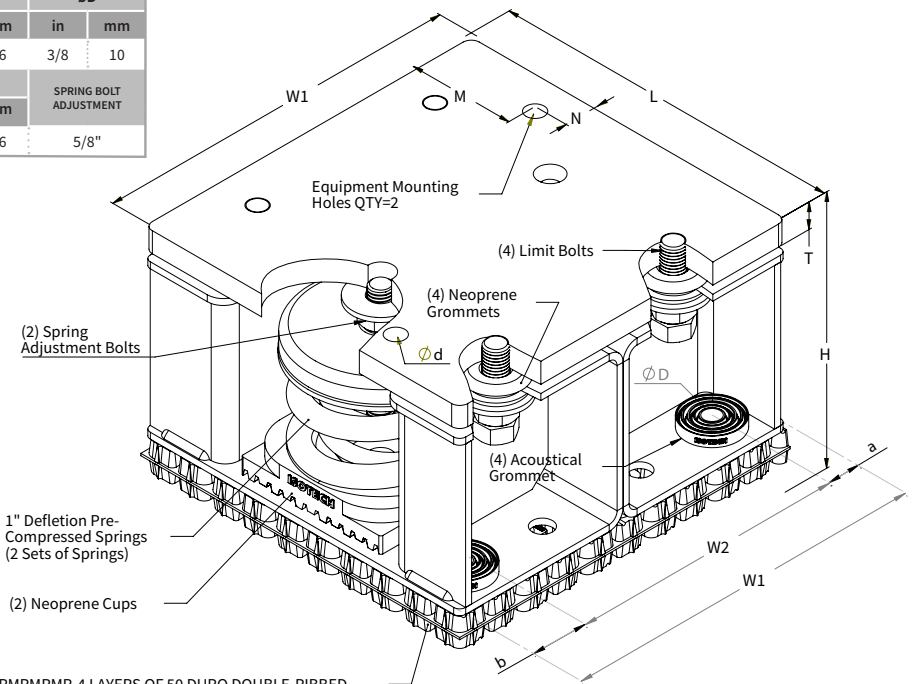
## SPECIFICATIONS : ICSN-1R1, 1" DEFLECTION RESTRAINED SPRING ISOLATOR C/W (1) LAYER OF ISOTECH VIBRATION ISOLATION PAD, ISOPAD-24

| Model         | Rated Load |        | Rated Deflection |      | Spring Color |        | Approx. WT. |       |
|---------------|------------|--------|------------------|------|--------------|--------|-------------|-------|
|               | lbf.       | kN     | in               | mm   | outer        | inner  | lbs.        | kg    |
| ICSN-1R1-5000 | 5000       | 22.241 | 2.0              | 50.8 | ORANGE       | ---    | 53.80       | 24.14 |
| ICSN-1R1-5600 | 5600       | 24.91  | 2.0              | 50.8 | ORANGE       | YELLOW | 54.00       | 24.86 |
| ICSN-1R1-6000 | 6000       | 26.69  | 2.0              | 50.8 | BLACK        | ---    | 54.20       | 24.5  |
| ICSN-1R1-6600 | 6600       | 29.359 | 2.0              | 50.8 | BLACK        | YELLOW | 54.80       | 25.22 |
| ICSN-1R1-7000 | 7000       | 31.138 | 2.0              | 50.8 | BLACK        | WHITE  | 55.00       | 25.22 |
| ICSN-1R1-7600 | 7600       | 33.807 | 2.0              | 50.8 | BLACK        | RED    | 55.60       | 25.59 |
| ICSN-1R1-8000 | 8000       | 35.586 | 2.0              | 50.8 | BLACK        | BLUE   | 56.00       | 25.77 |
| ICSN-1R1-9000 | 9000       | 40.034 | 2.0              | 50.8 | BLACK        | BROWN  | 57.00       | 34.21 |

| Model                                                                                          |     |        |     |        |     |       |     |        |    |                           |    |
|------------------------------------------------------------------------------------------------|-----|--------|-----|--------|-----|-------|-----|--------|----|---------------------------|----|
| Dimension : ICSN-1R1-5000-9000 WITH (1) LAYER OF<br>ISOTECH VIBRATION ISOLATION PAD, ISOPAD-24 |     |        |     |        |     |       |     |        |    |                           |    |
| L                                                                                              |     | W1     |     | W2     |     | H     |     | T      |    | øD                        |    |
| in                                                                                             | mm  | in     | mm  | in     | mm  | in    | mm  | in     | mm | in                        | mm |
| 9 7/8                                                                                          | 251 | 10 1/4 | 261 | 8 1/16 | 205 | 6 5/8 | 169 | 5/8    | 16 | 3/8                       | 10 |
| ød                                                                                             |     | M      |     | N      |     | a     |     | b      |    | SPRING BOLT<br>ADJUSTMENT |    |
| in                                                                                             | mm  | in     | mm  | in     | mm  | in    | mm  | in     | mm |                           |    |
| 9/16                                                                                           | 15  | 3      | 77  | 1      | 26  | 3     | 77  | 2 1/16 | 66 | 5/8"                      |    |

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

|                                                     |   |   |   |
|-----------------------------------------------------|---|---|---|
| 1                                                   | 7 | 5 | 2 |
| Plan view of installation<br>Mounts under equipment |   |   |   |
| 3                                                   | 8 | 6 | 4 |



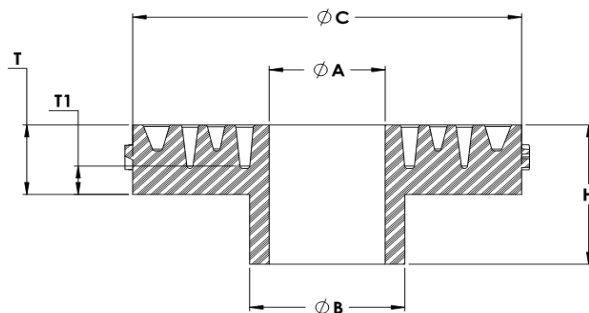
### Notes:

- ICSN-1R1-5000-9000 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-1R1-5000-9000 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-1R1-5000-9000 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.

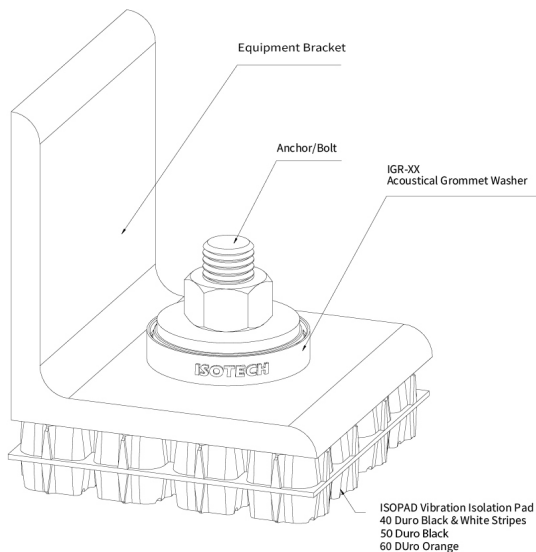
| PROJECT INFORMATION |  | EQUIPMENT INFORMATION |  | CANADA                                                                                | UNITED STATES                                              |
|---------------------|--|-----------------------|--|---------------------------------------------------------------------------------------|------------------------------------------------------------|
| Customer:           |  | Type:                 |  | 8 High Meadow Place,<br>North York, ON M9L 2Z5,<br>CANADA                             | 800-7700 Irvine Center Dr.,<br>Irvine, CA 92618,<br>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  | $\phi A$ |    | $\phi B$ |    | $\phi C$ |    | 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  |

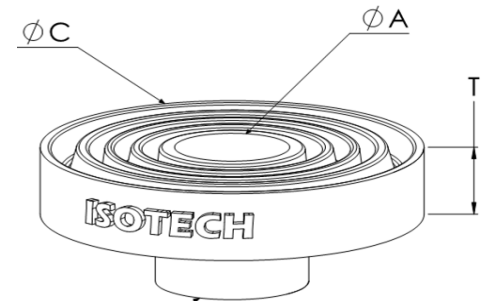


IGR - XX Section View

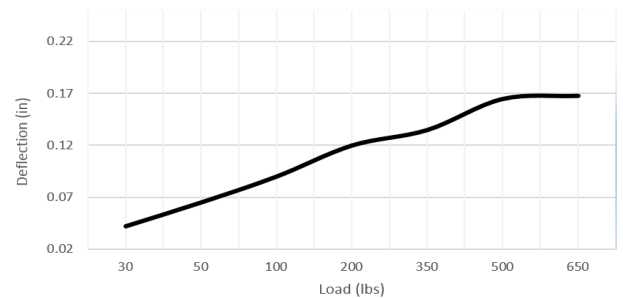


### Notes:

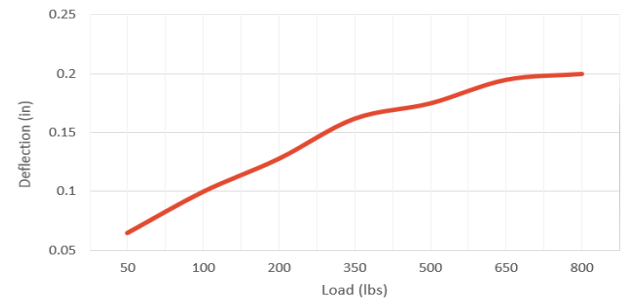
- Application of grooves and thicker material offers significant improvements on isolation efficiency of the system
- IGR Acoustical Grommet is available on 50 & 60 Duro Neoprene Material
- IGR Acoustical Grommet neoprene material is per ASTM D2000 Standards
- Anchor or bolt size to match  $\phi A$ 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



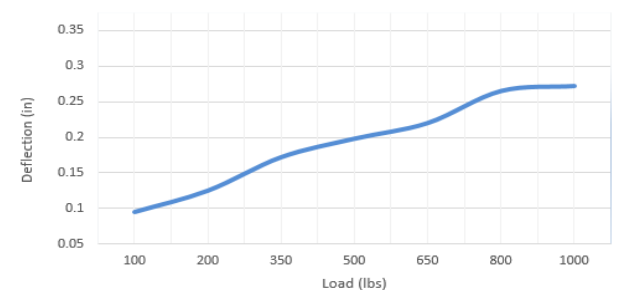
IGR-38



IGR-50



IGR-63



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

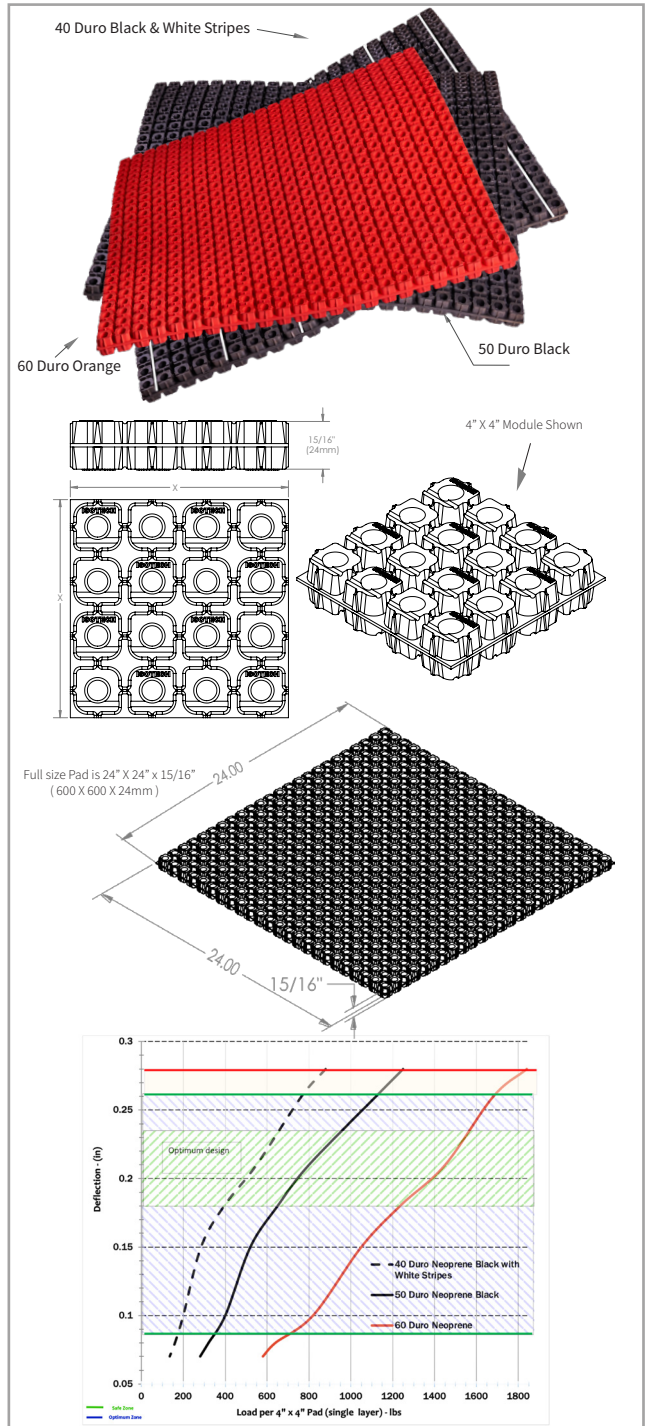
### ISOPAD 60 Duro Orange

| 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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