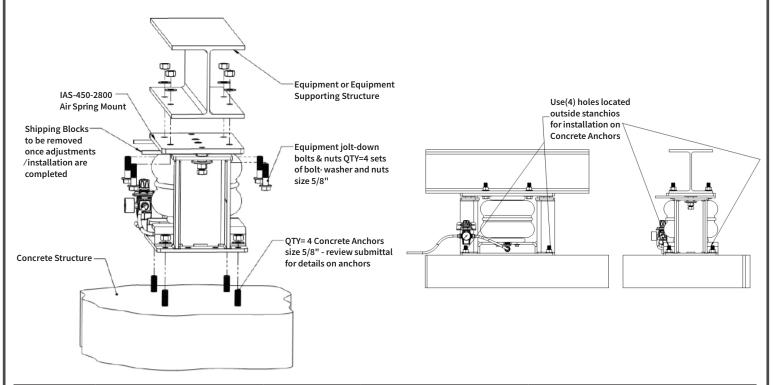


### **IAS** - ISOTECH AIR SPRING INSTALLATION **INSTRUCTIONS**

File No.: ISOIN-IAS-450-2800- Concrete Date: 22/12/15

#### INSTALLATION INSTRUCTIONS NON-SEISMIC APPLICATIONS

- \*\* The following steps must be followed carefully for proper installation:
- 1. DO NOT REMOVE Spacers/Shipping Blocks from isolators until step #10 as they are the key indicators for proper adjustment on springs
- 2. Refer to submittal package prepared by ISOTECH Industries and locate each isolator based on model # and identification tag provided
- 3. Secure Isolators to the supporting structure using (4) four 5/8" dia. concrete anchors. Anchors to be installed diagonal. Use holes that are located outside stanchions
  - a. Seismically rated anchors are the preferred choice
- 4. Use crane, gantry or other proper lifting machine to elevate equipment and/or equipment supporting structure
- 5. Carefully lower the equipment and/or equipment supporting structure and properly locate it on top of isolators. Use (4) four 5/8" dia. bolts to secure the equipment and/or equipment supporting structure to each isolator
- 6. **DO NOT** shift or move isolators laterally when equipment weight is supported by isolators.
- 7. Ensure isolator top plate is fully covered by equipment and/or equipment supporting structure as shown in pictures below. For installations where less than 80% of isolator top plate is covered, refer to Step 11 shown on the third page:



PROJECT INFORMATION	EQUIPMENT INFORMATION	Canada location US
Customer:	Туре:	35 Silton Road 30
Project:	Qty Required:	Woodbridge ON Ar L4L 7Z8 CANADA U.
Drawing No:	Operating Weight:	T: 905-856-5001 T:
Notes:	· ·	Tool free : www.isote

JSA Location

3021 E Coronado St. 💷 🐼 🗖 naheim, CA.,92806 T: 949-788-2930



: 1-888-831-3311

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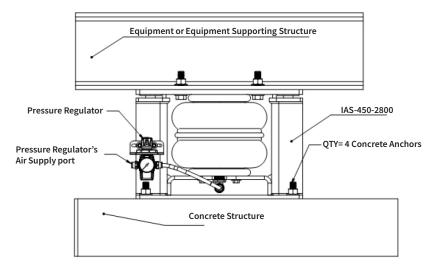


## IAS - ISOTECH AIR SPRING INSTALLATION INSTRUCTIONS

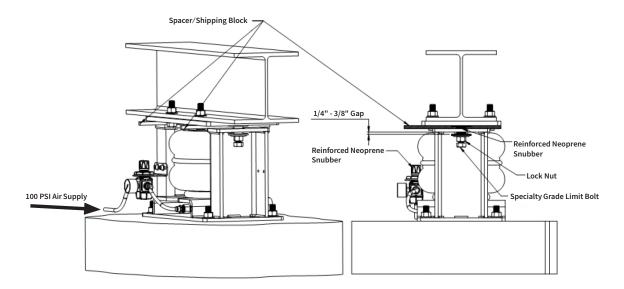
File No.: ISOIN-IAS-450-2800- Concrete Date: 22/12/15

### INSTALLATION INSTRUCTIONS NON-SEISMIC APPLICATIONS

- \*\* The following steps must be followed carefully for proper installation:
- 8. Connect 3/8" pneumatic hose to IAS Pressure Regulator's Air Supply Port for all isolators. Compressor (by others) must produce minimum 100 psi pressurized air and connecting hoses from compressor to isolators (by others) must be rated for 100 psi and for outdoor installation:



9. Loosen the two <u>Lock Nuts</u> located inside each stanchion as shown in the picture and move it down to have 1/4" to 3/8" gap between washer and bottom of Isolator Reinforced Neoprene Snubber on both sides



PROJECT INFORMATION	EQUIPMENT INFORMATION	Canada location USA Location
Customer:	Туре:	35 Silton Road 3021 E Coronado St.
Project:	Qty Required:	35 Silton Road 3021 E Coronado St. (2) 3021 E Coronado
Drawing No:	Operating Weight:	T: 905-856-5001 T: 949-788-2930
Notes:		Tool free : 1-888-831-3311 www.isotechindustries.com

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# **IAS** - ISOTECH AIR SPRING INSTALLATION INSTRUCTIONS

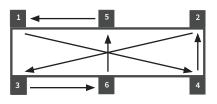
File No.: ISOIN-IAS-450-2800- Concrete

Date: 22/12/15

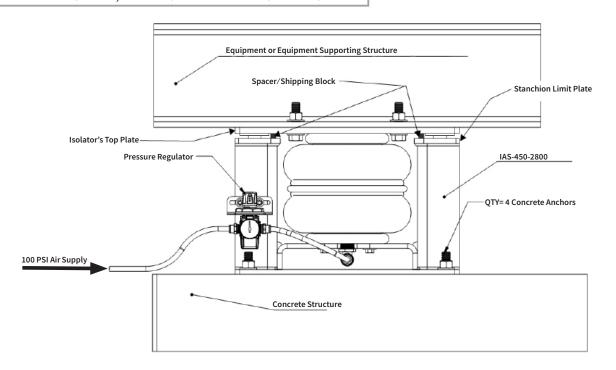
#### INSTALLATION INSTRUCTIONS NON-SEISMIC APPLICATIONS

10. With spacers/Shipping Blocks in place, follow star pattern sequence shown below and turn Adjustment Knob on Pressure Regulator and set the pressure for air spring to the amount specified on submittal, until Spacers/Shipping block can be removed easily. Maximum gap between Isolator top plate and stanchion limit plate is 3/8"- Remove Spacers accordingly.

#### IAS- DYNAMIC CHARACTERISTICS OF AIR SPRING (AIR BAG)AT 8.5 IN. DESIGN HEIGHT **VOLUME @ 100 PSIG=376 "** NATURAL FREQUENCY **GAGE** LOAD **PRESSURE** Lbs./in. **CPM** HZ Lbs. (PSIG) 20 450 185 123 2.04 40 990 414 121 2.02 60 1,540 615 119 1.98 2,130 820 116 1.94 80 100 2,720 996 114 1.89



STAR PATTERN ORDER: 1, 4, 2, 3, 6, 5,& 1



PROJECT INFORMATION	EQUIPMENT INFORMATION	Canada location USA Location
Customer:	Type:	35 Silton Road 3021 E Coronado St.
Project:	Qty Required:	35 Silton Road 3021 E Coronado St. 3021 E Coro
Drawing No:	Operating Weight:	T: 905-856-5001 T: 949-788-2930
Notes:	,	Tool free : 1-888-831-3311 www.isotechindustries.com

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