

## ISRL-125 ROD STIFFENERS WITH STRUCTURAL ANGLE

File No.: ISCOS- ISRL-125

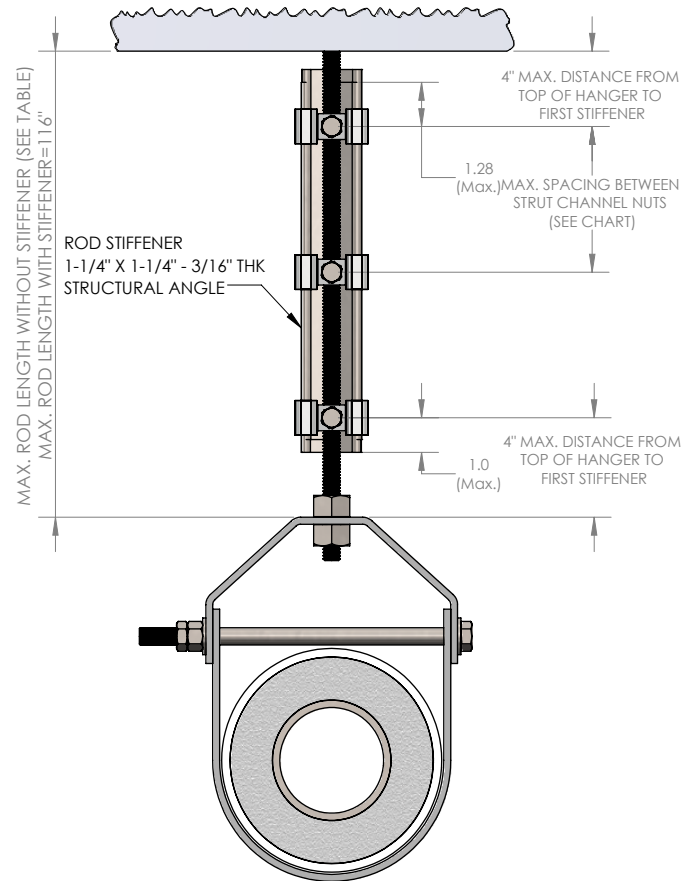
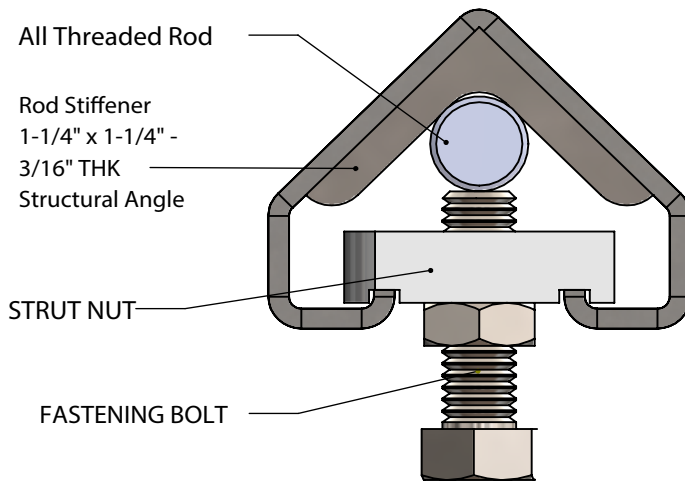
Date:06/17/22

ISOIN-ISRL-125, Installation Instructions Document, to be Reviewed for Installation

### SPECIFICATIONS - ISRL-125 ROD STIFFENERS WITH STRUCTURAL ANGLE

| Rod Size | Max. Rod Length Without Rod Stiffener |        | Max. Compression Force Without Stiffener |       | Max. Spacing Between Strut Channel Nuts |       | Max. Compression Force With Stiffener |       |
|----------|---------------------------------------|--------|------------------------------------------|-------|-----------------------------------------|-------|---------------------------------------|-------|
|          | in                                    | mm     | lbf.                                     | kN    | in                                      | mm    | lbf.                                  | kN    |
| 3/8      | 18                                    | 457.2  | 410                                      | 1.82  | 13                                      | 330.2 | 1246                                  | 5.54  |
| 1/2      | 25                                    | 635.0  | 730                                      | 3.24  | 18                                      | 457.2 | 2105                                  | 9.36  |
| 5/8      | 31                                    | 787.4  | 1160                                     | 5.16  | 23                                      | 584.2 | 3187                                  | 14.17 |
| 3/4      | 37                                    | 939.8  | 1690                                     | 7.51  | 28                                      | 711.2 | 4493                                  | 19.98 |
| 7/8      | 43                                    | 1092.2 | 2320                                     | 10.32 | 33                                      | 838.2 | 6021                                  | 26.78 |

### 3/8" THRU 7/8" ROD SIZE



#### Note:

- 1) ROD STIFFENERS ARE REQUIRED ONLY ON VERTICAL STRUT COMPONENT OF THE SEISMIC BRACE SYSTEM ON HANGER AND TRAPEZE ASSEMBLIES THAT HAVE SEISMIC BRACING ATTACHED AT OR WITHIN 4" OF THE ROD. A MINIMUM OF TWO ROD STIFFENERS MUST BE INSTALLED.
- 2) DETAIL APPLIES TO ALL HUNG UTILITIES INCLUDING SINGLE HUNG UTILITIES, TRAPEZE HUNG UTILITIES, AND HUNG EQUIPMENT.
- 3) AN EXCEPTION IS THE USE OF TWO OPPOSING RIGID BRACES AT THE SAME LOCATION. FOR INDIVIDUALLY HUNG PIPE THE TWO OPPOSING RIGID BRACES MUST BE AT THE SAME HANGER ROD; TOTAL OF TWO (2) FOR TRANSVERSE, OR TWO (2) FOR LONGITUDINAL. FOR A TRAPEZE HANGER THE TWO OPPOSING RIGID BRACES MUST BE AT THE SAME HANGER ROD; TOTAL OF TWO (2) FOR TRANSVERSE, OR FOUR (4) FOR LONGITUDINAL. THE TWO OPPOSING BRACES MUST BE AT THE SAME ANGLE FROM HORIZONTAL AND WITHIN 5- DEGREES OF 180 DEGREES FROM EACH OTHER. IN THIS CASE NO STIFFENING OF VERTICAL ROD IS NECESSARY

| PROJECT INFORMATION |  | EQUIPMENT INFORMATION |  | Canada location                                                                                        | USA Location                                                          |
|---------------------|--|-----------------------|--|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|
| Customer:           |  | Type:                 |  | 35 Silton Road<br>Woodbridge ON<br>L4L 7Z8 CANADA<br>T: 905-856-5001                                   | 3021 E Coronado St.<br>Anaheim, CA.,92806<br>U.S.A<br>T: 949-788-2930 |
| Project:            |  | Qty Required:         |  |                                                                                                        |                                                                       |
| Drawing No:         |  | Operating Weight:     |  |                                                                                                        |                                                                       |
| Notes:              |  |                       |  | Tool free : 1-888-831-3311<br><a href="http://www.isotechindustries.com">www.isotechindustries.com</a> |                                                                       |

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