

IPSSA-1L SEISMICALLY RATED PRE-COMPRESSED RESTRAINED SPRING

File No.: ISOCS-IPSSA-1L-30-300

Date: 01/19/25

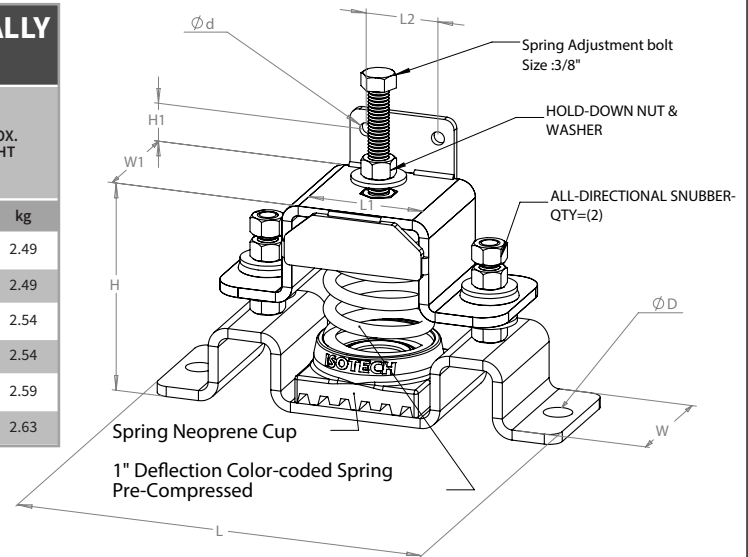
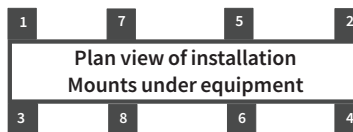
ISOIN-IPSSA-1L-30-300, Installation Instructions Document, to be Reviewed for Installation

SPECIFICATIONS : IPSSA-1L ,1" DEFLECTION SEISMICALLY RATED PRE-COMPRESSED RESTRAINED SPRING

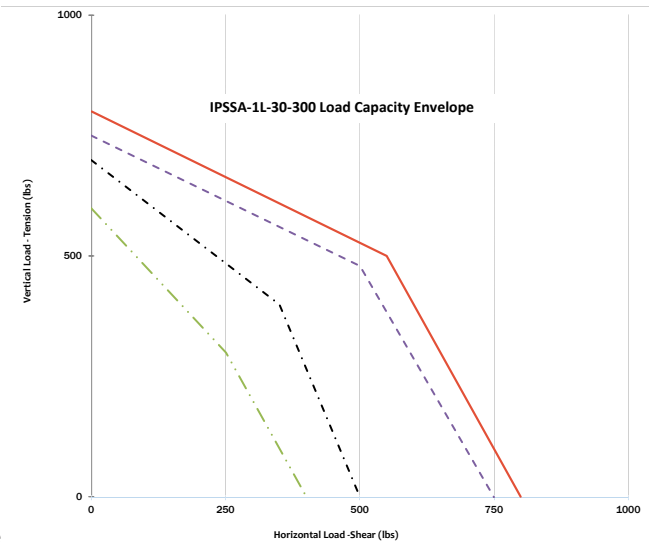
Model	RATED LOAD		RATED DEFLECTION		SPRING COLOR	APPROX. WEIGHT	
	lbf.	kN	in	mm		lbs.	kg
IPSSA-1L-30	30	0.134	1.0	25.4	YELLOW	5.50	2.49
IPSSA-1L-50	50	0.223	1.0	25.4	GREEN	5.50	2.49
IPSSA-1L-100	100	0.445	1.0	25.4	BLACK	5.60	2.54
IPSSA-1L-150	150	0.668	1.0	25.4	RED	5.60	2.54
IPSSA-1L-200	200	0.89	1.0	25.4	BLUE	5.70	2.59
IPSSA-1L-300	300	1.335	1.0	25.4	WHITE	5.80	2.63

Model					
DIMENSION : IPSSA-1L-30-300					
L		L1		L2	
in	mm	in	mm	in	mm
7 3/4	197	2 3/4	56	1 3/4	35
W		W1		H	
in	mm	in	mm	in	mm
2 3/4	61	2 3/4	61	3 1/4	101
H1		ØD		Ød	
in	mm	in	mm	in	mm
1 1/4	18	1/2	13	1/4	7
ADJUSTMENT BOLT					
3/8"					

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



- Attached to steel Structure with (2) 1/2" bolts (Grade 5) and Nuts
- - Attached to Concrete Structure with (2) 1/2" Hilti KB TZ (3" Embedment) - 4" Slab
- Attached to Concrete Structure with (2) 3/8" Hilti KB TZ (2" Embedment) - 4" Slab
- - Attached to Concrete Structure with Hilti HY200 and (2) 1/2" Grade 5 Threaded Rod (2" Embedment) - 4" Slab




NOTE:

- IPSSA-1L-30-300 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.
- Hot-Dip Galvanized finish for Housing to offer maximum corrosion resistance for isolator - Hardware and Spring Compression Cup are zinc - electroplated.
- Spring is powder - coated to provide maximum corrosion resistance , and are color-coded for easy identification at site - see table above.
- IPSSA-1L-30-300 isolators are designed to allow replacement of rubber snubber without disturbing equipment. Rubber snubbers are installed to prevent metal to metal contact.

* Anchor capacity is based on 4000 psi reinforce concrete (cracked concrete) with minimum 6" edge distance. Hilti anchors - Type KBTZ- were considered for all calculations. Detailed calculations must be performed if different anchors are used.

PROJECT INFORMATION		EQUIPMENT INFORMATION		Canada location	USA Location
Customer:		Type:		35 Silton Road Woodbridge ON L4L 7Z8 CANADA T: 905-856-5001	3021 E Coronado St. Anaheim, CA.,92806 U.S.A T: 949-788-2930
Project:		Qty Required:			
Drawing No:		Operating Weight:			
Notes:					



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