VIBRO-ACOUSTICS®
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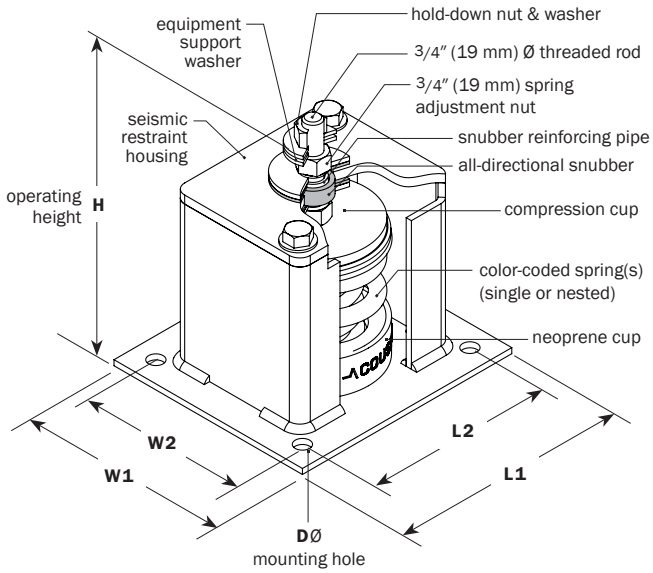
1″ (25 mm) Deflection SFS Seismic Floor Mounted Isolator

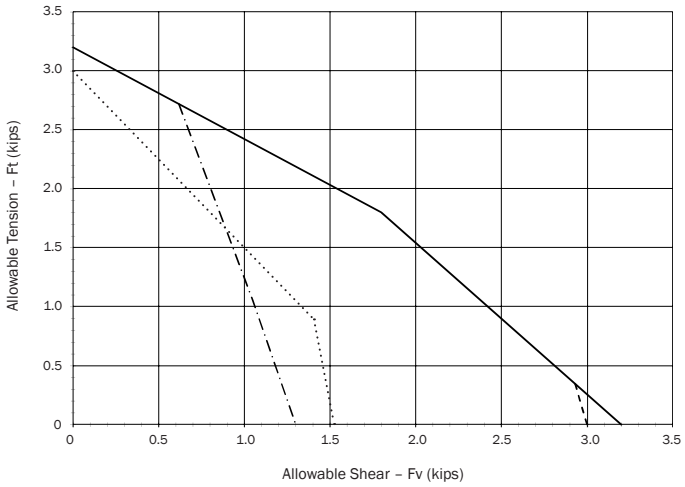
SFS-1A

File No.: DS-SFS1-003 Date: 5 Mar 2014
Supersedes: DS-SFS1-002 Date: 22 Oct 2013

SFS-1A (50–3000)

shown with cut-away





- SFS-1A attached to steel with (4) 5/8″ A307 bolts or welded
- SFS-1A attached to 3000 psi normal weight concrete with (4) 5/8″ Hilti KBTZ anchors at 4″ embedment on a 6″ slab within 8.5″ edge distance **or** with (4) 5/8″ Hilti HIS-N Carbon steel insert with Hilti HIT-HY 200 Safe Set System at 6-3/4″ embedment on a 9″ slab with 5″ edge distance
- SFS-1A attached to 3000 psi normal weight concrete with (4) 1/2″ Hilti KBTZ anchors at 2″ embedment on a 4″ slab with 5″ edge distance
- SFS-1A attached to 3000 psi normalweight concrete with (2) 5/8″ Hilti KBTZ anchors at 4″ embedment on a 6″ slab with 6-1/2″ edge distance.

PERFORMANCE

Model	Spring Color	Rated Load		Deflection at rated load		Isolator Weight †	
	outer-inner	lb	kN	in	mm	lb	kg
SFS-1A-50	Black	**50**	0.22	**1.0**	25	**28.8**	13.1
SFS-1A-150	Black-White	**150**	0.67	**1.0**	25	**29.5**	13.4
SFS-1A-200	Grey	**200**	0.89	**1.0**	25	**29.5**	13.4
SFS-1A-300	Grey-White	**300**	1.33	**1.0**	25	**30.1**	13.7
SFS-1A-400	Grey-Grey	**400**	1.78	**1.0**	25	**30.0**	13.6
SFS-1A-500	Orange	**500**	2.22	**1.0**	25	**30.7**	14.0
SFS-1A-600	Orange-White	**600**	2.67	**1.0**	25	**31.3**	14.2
SFS-1A-700	Orange-Grey	**700**	3.11	**1.0**	25	**31.3**	14.2
SFS-1A-800	Orange-Black	**800**	3.56	**1.0**	25	**30.5**	13.9
SFS-1A-900	Orange-Green	**900**	4.00	**1.0**	25	**31.2**	14.2
SFS-1A-1000	White	**1000**	4.45	**1.0**	25	**31.8**	14.5
SFS-1A-1100	White-White	**1100**	4.89	**1.0**	25	**31.8**	14.5
SFS-1A-1200	White-Grey	**1200**	5.34	**1.0**	25	**32.0**	14.5
SFS-1A-1300	White-Black	**1300**	5.78	**1.0**	25	**32.0**	14.5
SFS-1A-1400	White-Green	**1400**	6.23	**1.0**	25	**32.6**	14.8
SFS-1A-1500	Red	**1500**	6.67	**1.0**	25	**32.6**	14.8
SFS-1A-1600	Red-White	**1600**	7.12	**1.0**	25	**32.3**	14.7
SFS-1A-1800	Red-Black	**1800**	8.01	**1.0**	25	**32.7**	14.9
SFS-1A-2000	Red-Yellow	**2000**	8.90	**1.0**	25	**30.5**	13.9
SFS-1A-2500	Red-Ivory	**2500**	11.12	**1.0**	25	**32.0**	14.5
SFS-1A-3000	Red-White	**3000**	13.34	**1.0**	25	**33.0**	15.0

† weights are approximate

DIMENSIONS

Model SFS-1A	W2 in	W2 mm	W1 in	W1 mm	L2 in	L2 mm	L1 in	L1 mm
50–3000	**7**	178	**9**	229	**8**	203	**10**	254
	H in	**H** mm	**Adjustment Nut** in	**Adjustment Nut** mm	**Threaded Rod Ø** in	**Threaded Rod Ø** mm	**D Ø** in	**D Ø** mm
	8 3/4	222	**3/4**	19	**3/4**	19	**11/16**	17

NOTES

- Seismically restrained, laterally stable, open spring type isolator with welded steel construction housings and support for bolting to equipment.
- Springs supported with neoprene cup for noise isolation.
- Mount includes integral all-directional snubber with elastomeric components preventing metal-to-metal contact and with 1/8″ (3 mm) clearance under normal operation.
- Minimum 50% additional travel to solid
- Minimum k_x/k_y ratio of 0.8
- Housing powder-coated; hardware zinc-plated; springs powder-coated; hot-dipped galvanized housing is an option.

Project:		plan view of mount locations	1:	6:
Customer:			2:	7:
Consultant:			3:	8:
Dwg No.:	**Rev:**	**Drawn by:**	4:	9:
V-A Project Manager:			5:	10:
			QTY of sets required:	
TAG:		**EQUIPMENT:**		
COMMENTS:				**DATE:**