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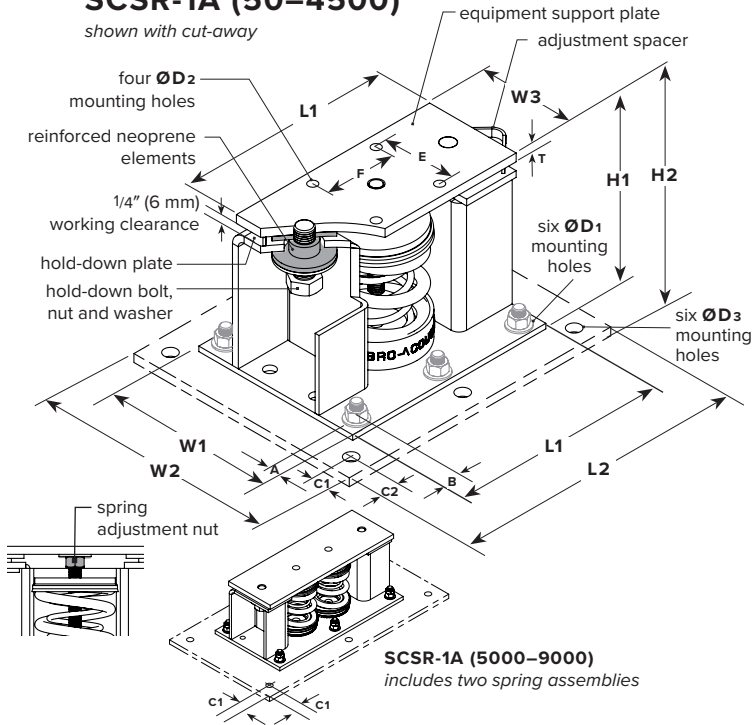
**1" (25 mm) Deflection SCSR  
Seismic Restrained Spring  
Isolators (for Concrete)**

**SCSR-1A  
Concrete Structure**

File No.: DS-SCSR1-C-016 Date: 23 Oct 2019  
Supersedes: DS-SCSR1-C-015 Date: 9 May 2019

**SCSR-1A (50-4500)**

shown with cut-away

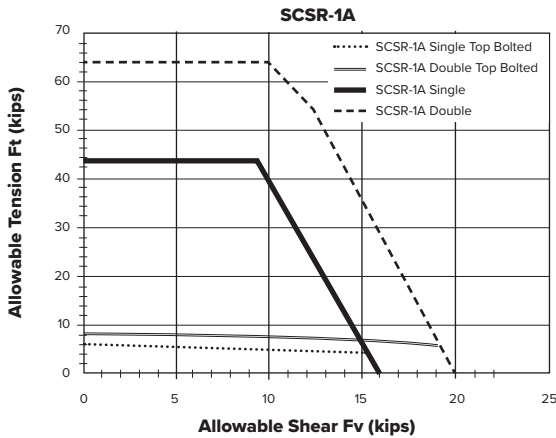


**PERFORMANCE**

Model	Spring Color outer-inner	Rated Load		Deflection at rated load		Isolator Weight <sup>1</sup>	
		lb	kN	in	mm	lb	kg
SCSR-1A-50*	Black	50	0.22	1.0	25	43.4	19.7
SCSR-1A-150*	Black-White	150	0.67	1.0	25	44.1	20.0
SCSR-1A-200*	Grey	200	0.89	1.0	25	44.1	20.0
SCSR-1A-300*	Grey-White	300	1.33	1.0	25	44.7	20.3
SCSR-1A-400*	Grey-Grey	400	1.78	1.0	25	44.6	20.2
SCSR-1A-500*	Orange	500	2.22	1.0	25	45.3	20.5
SCSR-1A-600*	Orange-White	600	2.67	1.0	25	45.9	20.8
SCSR-1A-700*	Orange-Grey	700	3.11	1.0	25	45.9	20.8
SCSR-1A-800*	Orange-Black	800	3.56	1.0	25	45.1	20.5
SCSR-1A-900*	Orange-Green	900	4.00	1.0	25	45.8	20.8
SCSR-1A-1000*	White	1000	4.45	1.0	25	46.4	21.0
SCSR-1A-1100*	White-White	1100	4.89	1.0	25	46.4	21.0
SCSR-1A-1200*	White-Grey	1200	5.34	1.0	25	46.6	21.1
SCSR-1A-1300*	White-Black	1300	5.78	1.0	25	47.2	21.4
SCSR-1A-1400*	White-Green	1400	6.23	1.0	25	47.2	21.4
SCSR-1A-1500*	Red	1500	6.67	1.0	25	46.9	21.3
SCSR-1A-1600*	Red-White	1600	7.12	1.0	25	46.9	21.3
SCSR-1A-1800*	Red-Black	1800	8.01	1.0	25	47.3	21.5
SCSR-1A-2000*	Red-Yellow	2000	8.90	1.0	25	45.1	20.5
SCSR-1A-2500*	Red-Ivory	2500	11.12	1.0	25	47.2	21.4
SCSR-1A-3000*	Red-White	3000	13.34	1.0	25	47.6	21.6
SCSR-1A-3500*	Black-Red	3500	15.57	1.0	25	47.8	21.7
SCSR-1A-3800*	Black-Blue	3800	16.90	1.0	25	47.8	21.7
SCSR-1A-4000*	Black-Ivory	4000	17.80	1.0	25	48.4	22.0
SCSR-1A-4500*	Black-White	4500	20.02	1.0	25	49.0	22.2
SCSR-1A-5000	(2) Red-Ivory	5000	22.24	1.0	25	87.0	39.5
SCSR-1A-6000	(2) Red-White	6000	26.69	1.0	25	88.0	39.9
SCSR-1A-6600	(2) Black-Black	6600	29.36	1.0	25	88.0	39.9
SCSR-1A-7000	(2) Black-Yellow	7000	31.14	1.0	25	89.0	40.3
SCSR-1A-7600	(2) Black-Blue	7600	33.81	1.0	25	89.0	40.3
SCSR-1A-8000	(2) Black-Ivory	8000	35.59	1.0	25	90.0	40.8
SCSR-1A-9000	(2) Black-White	9000	40.03	1.0	25	92.0	41.7

\*Sizes up to and including 4500 offered in hot dip galvanized only.

<sup>1</sup> weights approximate (oversized base plate for 50-4500 is 32 lb., 5000-9000 is 73 lb)



**DIMENSIONS**

Model	L1	L2	A	W1	W2	W3	H1	H2	T									
SCSR-1A	in	mm	in	mm	in	mm	in	mm	in									
50-4500	12 5/8	321	17	432	3/4	19	10	254	14	356	5 5/8	143	9	229	9 1/2	241	1/2	13
5000-9000	21	533	30 1/2	775	1 1/8	29	11	279	17	432	7	178	9	229	9 1/2	241	1/2	13

Model	B	C1	C2	E	F	ØD1	ØD2	ØD3								
SCSR-1A	in	mm	in	mm	in	mm	in	mm								
50-4500	1/8	29	1 1/4	32	4 1/8	105	4 1/8	105	1 1/16	17	9/16	14	1 3/16	21		
5000-9000	1 1/8	29	1 3/4	44	1 3/4	44	4 1/2	114	10 1/2	267	1 1/16	17	1 1/16	17	7/8	22

**NOTES**

- Laterally and vertically restrained spring type isolators with housings and heavy top plates for equipment support
- Welded steel construction housings with vertically restraining limit stops
- Top plate and restraining bolts are designed to be out of contact with housing during normal operation
- Reinforced neoprene elements (snubbers) are incorporated to minimize short-circuiting of restraining bolts
- Minimum 50% additional travel to solid
- "Top bolted" ratings are based on installations where top plate is bolted to equipment or base

- Minimum k<sub>x</sub>/k<sub>y</sub> ratio of 0.8
- Housing is hot-dipped galvanized. Powder coated option is on clearance for limited stock.
- All components are painted, plated, or coated for outdoor applications
- If less than 80% of the top plate is covered by the supported equipment, use an additional plate
- All springs are powder-coated
- Springs supported with neoprene cups for noise isolation

OPTIONS		<input type="checkbox"/> HOT-DIP GALVANIZED	<input type="checkbox"/> OVERSIZED BASE PLATE	
Project:		plan view of mount locations		
Customer:				
Consultant:				
Dwg No.:	Rev:			Drawn by:
V-A Project Manager:				
TAG:				
COMMENTS:		EQUIPMENT:		
		DATE:		

1:	6:
2:	7:
3:	8:
4:	9:
5:	10:

QTY of sets required: