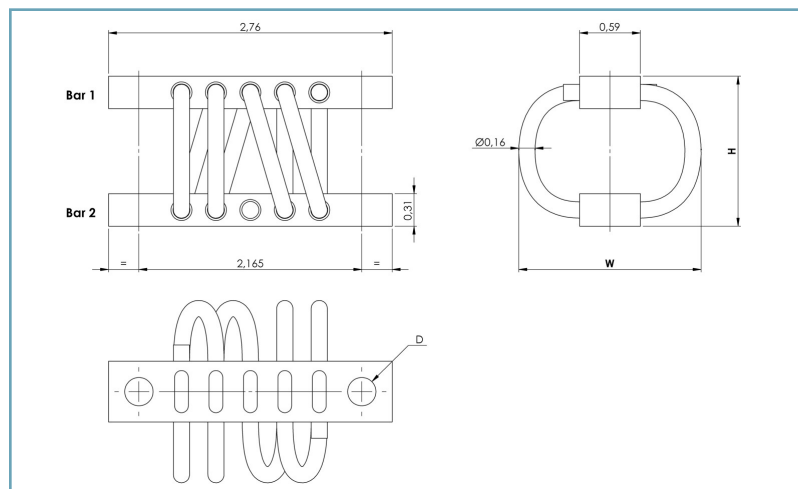


WIRE ROPE ISOLATOR

DEFINITION
series HH05



- All metal multidirectional anti-vibration/shock mounts
- Exceptional reliability and long life
- High damping
- No aging
- Corrosion resistant
- Unequalled temperature range: -290° F to 570° F (-180° C to 300° C)
- Great adaptability/versatility

Specials on request
(material size and number of loops, etc.)

Dimensions are in inches. For reference only

SERIES
Materials and finishes (meets RoHS requirements)
HH05
Cable: stainless steel
Retainer bars: aluminum alloy/ SurTec
Other materials on request

MODEL	height H (in)	width W (in)	weight (lbs)
-304	1.1	1.5	0.13
-404	1.2	1.6	0.13
-504	1.3	1.7	0.13
-604	1.5	1.8	0.13
-704	1.5	1.9	0.15
-804	1.7	2.0	0.15
-904	1.8	2.1	0.15
-1004	2.0	2.4	0.18
-1104	2.1	2.5	0.18
-1204	2.1	2.8	0.18
-1304	2.3	3.2	0.18

INTERFACES	Bar 1		
fixtures holes D	ø 0.28 in. through holes	ø 0.28 in. through holes counter- sunk 82°	1/4-20
Bar 2			
ø 0.28 in. through holes	T2	not standard	not standard
ø 0.28 in. through holes countersunk 82°	TC	C2	not standard
1/4-20	T1	C1	I2

H	H	0	5	-	3	0	4	C	I
---	---	---	---	---	---	---	---	---	---

SERIES: HH05
Half-Helical mount
from the HH05 series

MODEL: -304
height: 1.1 in.
width: 1.5 in.
weight: 0.13 lbs.
loops: series standard
is 04 loops

INTERFACE: CI
ø0.28 in. through
holes countersunk
82° in bar 1,
1/4-20 in bar 2



WIRE ROPE ISOLATOR

DEFINITION
series HH05

COMPRESSION AND TENSION													
HH05 Series	Model	-304	-404	-504	-604	-704	-804	-904	-1004	-1104	-1204	-1304	
1. Max Static	Compression	F lbf	45	40	33	30	26	24	21	15	14	11	8.3
		d in	0.08	0.09	0.11	0.13	0.14	0.16	0.17	0.22	0.24	0.24	0.27
		F lbf	130	120	100	90	78	71	62	45	42	32	25
		d in	0.39	0.47	0.59	0.71	0.75	0.87	0.98	1.2	1.3	1.3	1.4
		2a in	0.05	0.06	0.07	0.08	0.09	0.10	0.11	0.14	0.15	0.15	0.16
		f Hz	11.5	10.5	9.4	8.4	8.1	7.5	7.0	6.4	6.2	6.7	6.5
2. Max Shock	Tension	F lbf	45	40	33	30	26	24	21	15	14	11	8.3
		d in	0.06	0.07	0.08	0.09	0.10	0.11	0.12	0.15	0.16	0.24	0.24
		F lbf	450	390	320	270	240	210	180	140	130	32	98
		d in	0.24	0.28	0.31	0.31	0.39	0.39	0.43	0.59	0.63	1.3	1.2
		2a in	0.03	0.03	0.04	0.04	0.04	0.05	0.05	0.07	0.07	0.15	0.13
		f Hz	16.5	15.5	14.3	13.8	12.8	12.4	11.8	10.3	10.0	6.7	8.2
3. Max Vibration	Tension	F lbf	45	40	33	30	26	24	21	15	14	11	8.3
		d in	0.06	0.07	0.08	0.09	0.10	0.11	0.12	0.15	0.16	0.24	0.24
		F lbf	450	390	320	270	240	210	180	140	130	32	98
		d in	0.24	0.28	0.31	0.31	0.39	0.39	0.43	0.59	0.63	1.3	1.2
		2a in	0.03	0.03	0.04	0.04	0.04	0.05	0.05	0.07	0.07	0.15	0.13
		f Hz	16.5	15.5	14.3	13.8	12.8	12.4	11.8	10.3	10.0	6.7	8.2

COMPRESSION/ROLL 45° - TENSION/ROLL 45°													
HH05 Series	Model	-304	-404	-504	-604	-704	-804	-904	-1004	-1104	-1204	-1304	
1. Max Static	Compression/Roll 45°	F lbf	33	30	25	22	20	18	16	11	11	11	6.3
		d in	0.12	0.13	0.16	0.18	0.20	0.22	0.24	0.31	0.33	0.20	0.43
		F lbf	88	77	65	58	50	45	40	29	27	120	17
		d in	0.63	0.71	0.87	1.1	1.1	1.3	1.5	1.9	1.9	0.94	2.2
		2a in	0.07	0.08	0.10	0.12	0.13	0.15	0.17	0.20	0.22	0.10	0.24
		f Hz	9.7	8.9	8.0	7.2	7.0	6.4	6.0	5.5	5.3	9.0	5.5
2. Max Shock	Tension/Roll 45°	F lbf	33	30	25	22	20	18	16	11	11	8.1	6.3
		d in	0.08	0.09	0.11	0.11	0.13	0.14	0.16	0.20	0.22	0.37	0.31
		F lbf	220	190	160	130	120	100	90	68	63	21	49
		d in	0.28	0.31	0.35	0.35	0.43	0.47	0.51	0.71	0.71	1.9	1.4
		2a in	0.03	0.04	0.04	0.04	0.05	0.05	0.06	0.08	0.08	0.22	0.15
		f Hz	14.8	13.8	12.8	12.3	11.4	11.1	10.5	9.2	9.0	5.7	7.3
3. Max Vibration	Tension/Roll 45°	F lbf	33	30	25	22	20	18	16	11	11	8.1	6.3
		d in	0.08	0.09	0.11	0.11	0.13	0.14	0.16	0.20	0.22	0.37	0.31
		F lbf	220	190	160	130	120	100	90	68	63	21	49
		d in	0.28	0.31	0.35	0.35	0.43	0.47	0.51	0.71	0.71	1.9	1.4
		2a in	0.03	0.04	0.04	0.04	0.05	0.05	0.06	0.08	0.08	0.22	0.15
		f Hz	14.8	13.8	12.8	12.3	11.4	11.1	10.5	9.2	9.0	5.7	7.3

SHEAR OR ROLL													
HH05 Series	Model	-304	-404	-504	-604	-704	-804	-904	-1004	-1104	-1204	-1304	
1. Max Static	Shear or Roll	F lbf	22	20	17	15	13	12	10	7.4	7.0	5.4	4.0
		d in	0.10	0.12	0.15	0.19	0.20	0.24	0.27	0.34	0.36	0.36	0.40
2. Max Shock		F lbf	120	100	83	68	60	51	44	33	30	28	23
		d in	0.39	0.43	0.51	0.59	0.67	0.71	0.79	1.1	1.1	1.3	1.6
3. Max Vibration		2a in	0.04	0.05	0.06	0.07	0.07	0.08	0.09	0.12	0.13	0.15	0.17
		f Hz	11.8	11.0	10.1	9.4	8.9	8.5	8.0	7.1	6.9	6.6	6.1

Load **F**

Deflection **d**

shear roll

1

2

$d/2$

F

F

$d/2$

1. Max static load (**F**) with corresponding deflection (**d**)
2. Max shock load (**F**) with corresponding deflection (**d**)
3. Uncoupled resonant frequency (**f**) under max static loading 1 and max peak to peak sinusoidal vibration input (**2a**)

***IMPORTANT:** Performance characteristics are given here for reference only. They can be increased under specific conditions. Contact Socitec-US

TYPICAL SHOCK/VIBRATION SPECIFICATIONS:

Air	AIR 7306, MIL-E-5400, MIL-C-172, MIL-STD-810
Ground Forces	GAM EGI3A, SEFT 001, MIL-STD-810, VG 9533
Marine	GAM EGI3C, IT25-21/96-31/15-86, MIL-S-167, MIL-S-901, STANAG 042, BV 043.73, BV 044
Others	GAM EMB1, GAM EMBT4, DEF STAN 07-55, IEC 571, FINABEL 2C

NOTE: Isolator data subject to change without notice



12/09/25

Socitec US LLC
2443 Braga Drive, Broadview, IL 60155
tel.: 800-842-7668 • contact-web@socitec.com
www.socitec-us.com