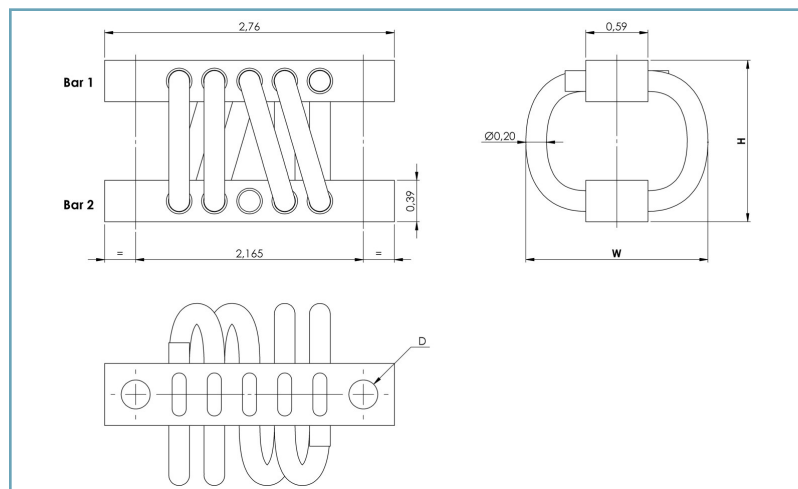


WIRE ROPE ISOLATOR

DEFINITION

series HH06



- 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)
HH06
Cable: stainless steel
Retainer bars: aluminum alloy/ SurTec
Other materials on request

MODEL	height H (in)	width W (in)	weight (lbs)
-304	1.2	1.5	0.15
-404	1.3	1.5	0.18
-504	1.5	1.7	0.18
-604	1.5	1.7	0.18
-704	1.7	1.9	0.20
-804	1.7	1.9	0.20
-904	2.0	2.3	0.22
-1004	2.0	2.5	0.22
-1104	2.2	2.9	0.24
-1204	2.2	3.1	0.24
-1304	3.2	4.2	0.31

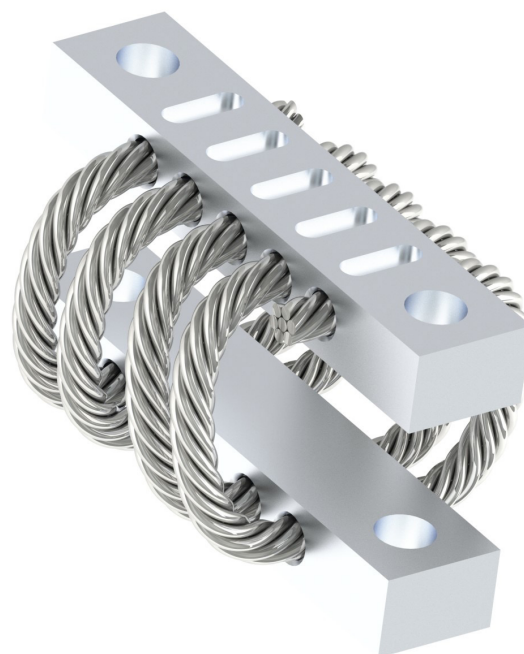
INTERFACES	Bar 1		
fixtures holes D	ø 0.28 in. through holes	ø 0.28 in. through holes counter- sunk 82°	1/4-28
Bar 2			
ø 0.28 in. through holes	T2	not standard	not standard
ø 0.28 in. through holes countersunk 82°	TC	C2	not standard
1/4-28	T1	C1	I2

H	H	0	6	-	3	0	4	C	I
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SERIES: HH06
Half-Helical mount
from the HH06 series

MODEL: -304
height: 1.2 in.
width: 1.5 in.
weight: 0.15 lbs.
loops: series standard
is 04 loops

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



WIRE ROPE ISOLATOR

DEFINITION
series HH06

COMPRESSION AND TENSION												
HH06 Series	Model	-304	-404	-504	-604	-704	-804	-904	-1004	-1104	-1204	-1304
1. Max Static	Compression	F lbf	91	86	69	62	54	49	35	29	20	17
		d in	0.07	0.08	0.10	0.11	0.13	0.14	0.19	0.21	0.22	0.24
		F lbf	270	240	210	190	160	150	100	89	61	51
		d in	0.35	0.43	0.55	0.63	0.71	0.79	1.1	1.1	1.2	1.3
		2a in	0.04	0.05	0.06	0.07	0.08	0.09	0.12	0.13	0.13	0.14
		f Hz	12.4	10.4	9.3	8.7	8.0	7.6	6.9	6.9	7.2	7.0
2. Max Shock	Tension	F lbf	91	82	69	62	54	49	35	29	20	17
		d in	0.05	0.06	0.07	0.07	0.09	0.09	0.13	0.15	0.20	0.23
		F lbf	890	730	610	550	470	430	310	290	240	220
		d in	0.20	0.20	0.24	0.28	0.31	0.35	0.51	0.63	0.98	1.2
		2a in	0.02	0.02	0.03	0.03	0.04	0.04	0.06	0.07	0.11	0.13
		f Hz	18.4	17.2	15.6	14.8	13.8	13.2	11.2	10.4	8.9	8.4
3. Max Vibration	Compression	F lbf	91	86	69	62	54	49	35	29	20	17
		d in	0.07	0.08	0.10	0.11	0.13	0.14	0.19	0.21	0.22	0.24
		F lbf	270	240	210	190	160	150	100	89	61	51
		d in	0.35	0.43	0.55	0.63	0.71	0.79	1.1	1.1	1.2	1.3
		2a in	0.04	0.05	0.06	0.07	0.08	0.09	0.12	0.13	0.13	0.14
		f Hz	12.4	10.4	9.3	8.7	8.0	7.6	6.9	6.9	7.2	7.0
1. Max Static	Tension	F lbf	91	82	69	62	54	49	35	29	20	17
		d in	0.05	0.06	0.07	0.07	0.09	0.09	0.13	0.15	0.20	0.23
		F lbf	890	730	610	550	470	430	310	290	240	220
		d in	0.20	0.20	0.24	0.28	0.31	0.35	0.51	0.63	0.98	1.2
		2a in	0.02	0.02	0.03	0.03	0.04	0.04	0.06	0.07	0.11	0.13
		f Hz	18.4	17.2	15.6	14.8	13.8	13.2	11.2	10.4	8.9	8.4
2. Max Shock	Tension	F lbf	91	82	69	62	54	49	35	29	20	17
		d in	0.05	0.06	0.07	0.07	0.09	0.09	0.13	0.15	0.20	0.23
		F lbf	890	730	610	550	470	430	310	290	240	220
		d in	0.20	0.20	0.24	0.28	0.31	0.35	0.51	0.63	0.98	1.2
		2a in	0.02	0.02	0.03	0.03	0.04	0.04	0.06	0.07	0.11	0.13
		f Hz	18.4	17.2	15.6	14.8	13.8	13.2	11.2	10.4	8.9	8.4
3. Max Vibration	Tension	F lbf	91	82	69	62	54	49	35	29	20	17
		d in	0.05	0.06	0.07	0.07	0.09	0.09	0.13	0.15	0.20	0.23
		F lbf	890	730	610	550	470	430	310	290	240	220
		d in	0.20	0.20	0.24	0.28	0.31	0.35	0.51	0.63	0.98	1.2
		2a in	0.02	0.02	0.03	0.03	0.04	0.04	0.06	0.07	0.11	0.13
		f Hz	18.4	17.2	15.6	14.8	13.8	13.2	11.2	10.4	8.9	8.4

COMPRESSION/ROLL 45° - TENSION/ROLL 45°												
HH06 Series	Model	-304	-404	-504	-604	-704	-804	-904	-1004	-1104	-1204	-1304
1. Max Static	Compression/roll 45°	F lbf	69	61	52	47	40	37	26	22	15	13
		d in	0.09	0.11	0.14	0.15	0.18	0.20	0.27	0.30	0.36	0.39
		F lbf	180	160	130	120	100	94	67	58	41	35
		d in	0.51	0.67	0.83	0.94	1.1	1.2	1.6	1.7	1.8	1.9
		2a in	0.06	0.07	0.09	0.11	0.12	0.13	0.18	0.19	0.20	0.21
		f Hz	10.5	8.9	8.0	7.5	6.9	6.6	5.9	5.9	6.0	5.9
2. Max Shock	Tension/roll 45°	F lbf	69	61	52	47	40	37	26	22	15	13
		d in	0.06	0.07	0.09	0.10	0.11	0.12	0.17	0.20	0.26	0.30
		F lbf	440	360	300	270	230	210	160	140	120	110
		d in	0.20	0.24	0.28	0.31	0.35	0.39	0.55	0.71	1.1	1.4
		2a in	0.02	0.03	0.03	0.04	0.04	0.04	0.06	0.08	0.13	0.15
		f Hz	16.5	15.3	13.9	13.2	12.3	11.8	10.0	9.2	8.0	7.5
3. Max Vibration	Tension/roll 45°	F lbf	69	61	52	47	40	37	26	22	15	13
		d in	0.06	0.07	0.09	0.10	0.11	0.12	0.17	0.20	0.26	0.30
		F lbf	440	360	300	270	230	210	160	140	120	110
		d in	0.20	0.24	0.28	0.31	0.35	0.39	0.55	0.71	1.1	1.4
		2a in	0.02	0.03	0.03	0.04	0.04	0.04	0.06	0.08	0.13	0.15
		f Hz	16.5	15.3	13.9	13.2	12.3	11.8	10.0	9.2	8.0	7.5

Load

Deflection d

shear

roll

1

2

F

$d/2$

d

SHEAR OR ROLL

HH06 Series	Model	-304	-404	-504	-604	-704	-804	-904	-1004	-1104	-1204	-1304	
1. Max Static	Shear or Roll	F lbf	46	41	35	31	27	25	18	15	10	8.5	4.9
		d in	0.08	0.11	0.14	0.16	0.07	0.21	0.28	0.30	0.32	0.35	0.59
2. Max Shock	Shear or Roll	F lbf	260	200	160	140	120	110	77	71	60	53	27
		d in	0.31	0.35	0.43	0.51	0.59	0.63	0.87	1.0	1.3	1.5	2.2
3. Max Vibration	Shear or Roll	2a in	0.04	0.04	0.05	0.06	0.07	0.07	0.10	0.11	0.15	0.17	0.25
		f Hz	13.0	11.7	10.6	10.0	9.3	8.9	7.7	7.3	6.7	6.4	5.1

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