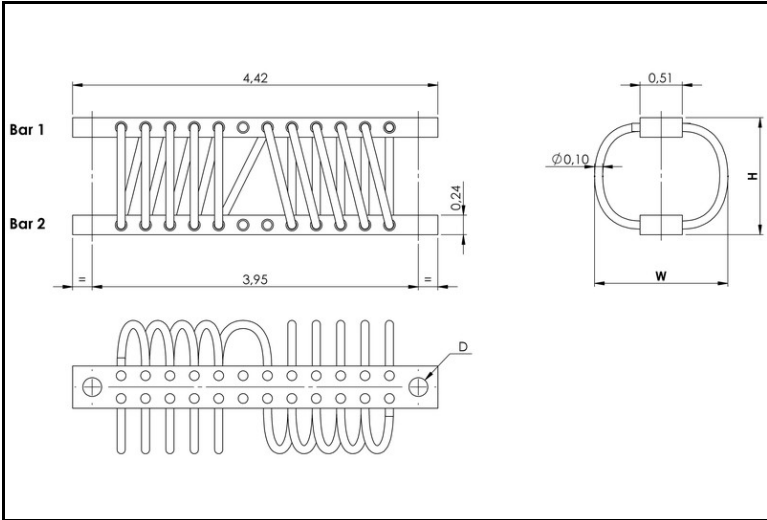


WIRE ROPE ISOLATORS: 'HELICAL'

DEFINITION
series C3H



- All metal multidirectional anti-vibration/shock mounts
- Exceptional reliability and long life
- High damping
- No aging
- Corrosion resistant
- Unequalled temperature range : -180°C to +300°C / -290F to 570 F
- 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)
C3H
Cable: stainless steel
Retainer bars: aluminium alloy/ SurTec
All stainless steel : C3HSS
Other materials on request

MODEL			
	height H (in)	width W (in)	weight (lbs)
310	0,91	1,1	0,13
410	0,98	1,2	0,13
510	1,1	1,3	0,13
610	1,3	1,5	0,13
710	1,4	1,6	0,15
810	1,5	1,7	0,15
910	1,6	1,8	0,15
1010	1,7	1,9	0,15

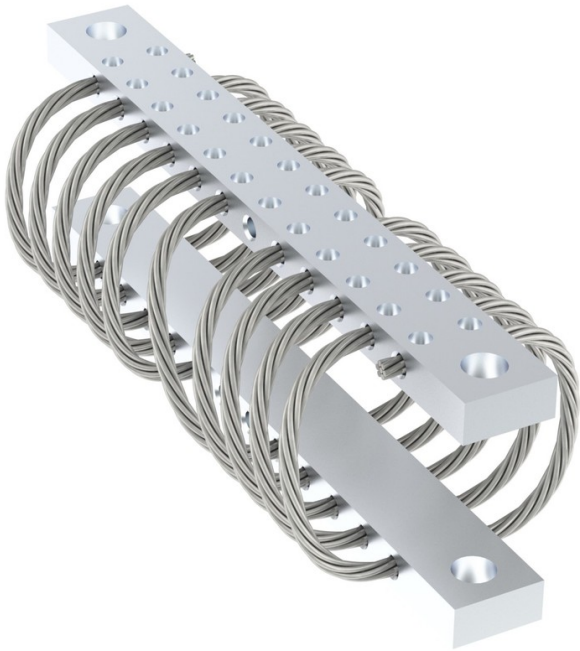
INTERFACES			
fixtures holes D	Bar 1		
	ø 0.23 in through holes	ø 0.23 in through holes countersunk 82°	10 - 32
Bar 2			
ø 0.23 in through holes	T2	not standard	not standard
ø 0.23 in through holes countersunk 82°	C	C2	not standard
10 - 32	I	CI	I2

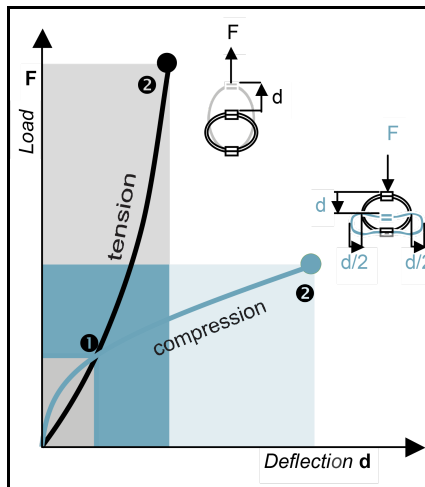
C	3	H	3	1	0	C	I
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SERIE: C3H
'Helical' mount from the C3H series

MODEL: 310
height: 0,91in
width: 1,1in
weight: 0,13lbs
loops: serie standard is 10 loops

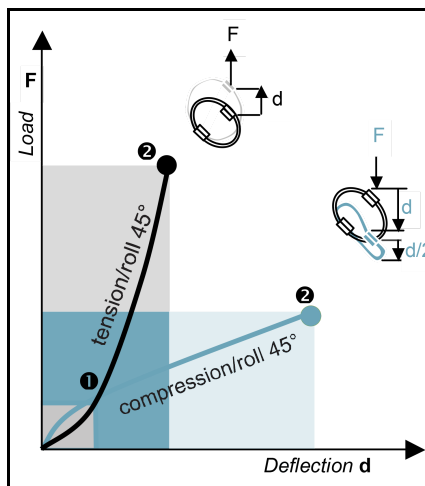
INTERFACE: CI
ø 0.23 in through holes countersunk 82° in bar 1,
10 - 32 in bar 2





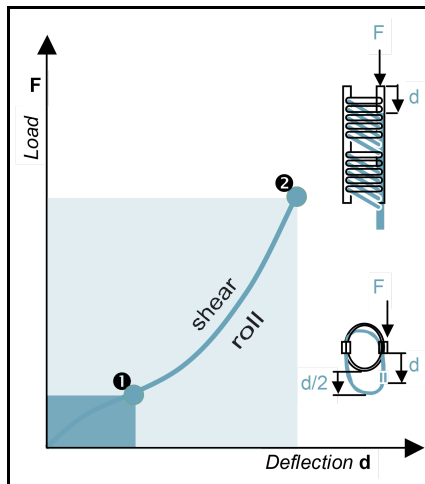
COMPRESSION AND TENSION

C3H Series	Model	310	410	510	610	710	810	910	1010
1.Max Static	F lbf	35	29	23	16	14	12	11	9,2
	d in	0,05	0,06	0,08	0,11	0,13	0,14	0,16	0,17
2.Max Shock	F lbf	110	88	69	49	41	37	32	28
	d in	0,39	0,46	0,57	0,74	0,85	0,92	0,99	1,1
3.Max Vibration	2a in	0,04	0,05	0,06	0,08	0,09	0,10	0,11	0,12
	f Hz	15,8	14,5	13,0	11,2	10,5	10,1	9,6	9,0
1.Max Static	F lbf	35	29	23	16	14	12	11	9,2
	d in	0,03	0,04	0,05	0,07	0,08	0,09	0,10	0,11
2.Max Shock	F lbf	260	220	180	130	110	97	87	73
	d in	0,11	0,14	0,18	0,25	0,29	0,31	0,37	0,40
3.Max Vibration	2a in	0,01	0,02	0,02	0,03	0,03	0,03	0,04	0,04
	f Hz	27,0	24,4	21,6	18,4	17,1	16,3	15,1	14,6



COMPRESSION/ROLL 45° - TENSION/ROLL 45°

C3H Series	Model	310	410	510	610	710	810	910	1010
1.Max Static	F lbf	26	22	17	12	10	9,2	8,0	6,9
	d in	0,06	0,09	0,11	0,14	0,16	0,17	0,17	0,21
2.Max Shock	F lbf	65	54	42	30	25	23	20	17
	d in	0,58	0,69	0,85	1,1	1,3	1,4	1,5	1,7
3.Max Vibration	2a in	0,06	0,08	0,09	0,12	0,14	0,15	0,16	0,19
	f Hz	12,0	10,6	9,6	8,4	7,8	7,6	7,3	6,8
1.Max Static	F lbf	26	22	17	12	10	9,2	8,0	6,9
	d in	0,04	0,05	0,07	0,09	0,10	0,11	0,13	0,14
2.Max Shock	F lbf	130	110	86	62	52	47	43	36
	d in	0,13	0,16	0,20	0,28	0,33	0,36	0,42	0,45
3.Max Vibration	2a in	0,01	0,02	0,02	0,03	0,04	0,04	0,05	0,05
	f Hz	21,8	19,7	17,5	15,0	13,8	13,2	12,3	11,7



SHEAR OR ROLL

C3H Series	Model	310	410	510	610	710	810	910	1010
1.Max Static	F lbf	18	15	11	8,1	6,8	6,1	5,4	4,6
	d in	0,10	0,12	0,14	0,19	0,22	0,24	0,25	0,30
2.Max Shock	F lbf	64	54	42	30	25	23	20	17
	d in	0,28	0,33	0,41	0,55	0,63	0,69	0,76	0,85
3.Max Vibration	2a in	0,03	0,04	0,05	0,06	0,07	0,08	0,08	0,09
	f Hz	7,3	6,7	6,0	5,2	4,8	4,6	4,3	4,1

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 us

TYPICAL SHOCK/VIBRATION SPECIFICATIONS:

Air	AIR 7306, MIL-E-5400, MIL-C-172, MIL-STD-810
Ground Forces	GAM EG13A, SEFT 001, MIL-STD-810, VG 9533
Marine	GAM EG13C, 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

