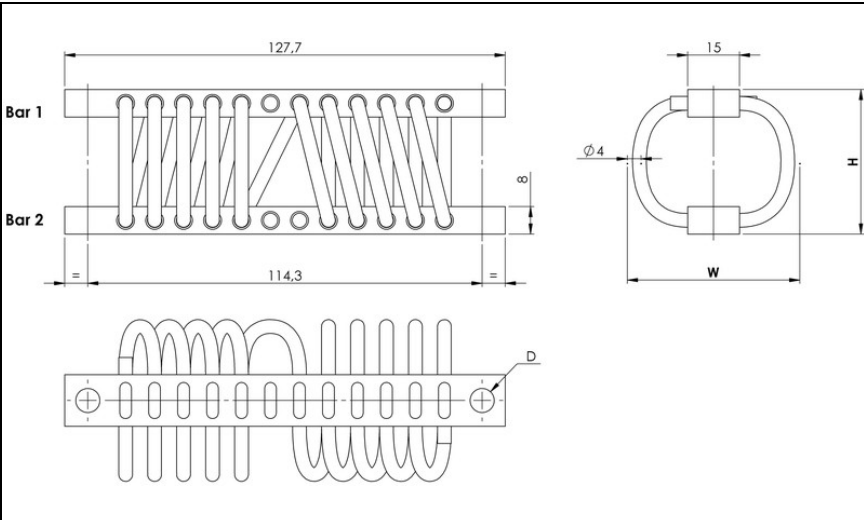


WIRE ROPE ISOLATORS: 'HELICAL'

DEFINITION
series FH16



- 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 millimeters. For reference only

SERIES
Materials and finishes (meets RoHS requirements)
FH16
Cable: stainless steel
Retainer bars: aluminium alloy/ SurTec
All stainless steel : C5HSS
Other materials on request

MODEL	height H (mm)	width W (mm)	weight (kg)
-02	29	38	0.12
-04	31	40	0.12
-06	34	43	0.13
-08	37	45	0.13
-10	39	48	0.14
-12	42	50	0.14
-14	45	53	0.15
-16	52	62	0.16
-18	54	64	0.17
-20	54	72	0.17
-22	58	81	0.19

INTERFACES			
fixtures holes D	Bar 1		
	2 through holes Ø7mm	2 through holes Ø7mm countersunk 90°	2 x M6
Bar 2			
2 through holes Ø7mm	TM2	not standard	not standard
2 through holes Ø7mm countersunk 90°	TCM	CM2	not standard
2 x M6	TIM	CIM	IM2

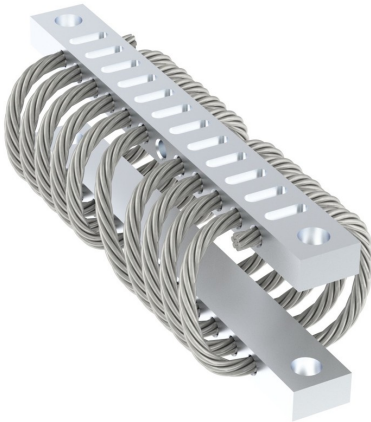
F	H	1	6	-	0	2	1	0	C	I	M
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SERIE: FH16
'Helical' mount from the
FH16 series

MODEL: -02
height: 29mm
width: 38mm
weight: 0.12kg

LOOPS: 10
Serie
standard is
10 loops

INTERFACE: CIM
2 through holes Ø7mm
countersunk 90° in bar 1,
2 x M6 in bar 2





COMPRESSION AND TENSION

FH16 Series	Model	-02	-04	-06	-08	-10	-12	-14	-16	-18	-20	-22
1.Max Static	F daN	52.3	46.1	38.7	34.4	29.8	26.9	23.6	17	15.9	12.2	9.4
	d mm	2.1	2.4	2.9	3.2	3.6	3.9	4.3	5.7	6	6.3	7
2.Max Shock	F daN	156	138	116	103	89.5	80.6	70.6	50.9	47.6	36.5	28.3
	d mm	11	13	16	18	20	23	26	32	34	34	37
3.Max Vibration	2a mm	1.3	1.5	1.8	2.1	2.3	2.6	2.9	3.6	3.8	3.8	4.2
	f Hz	13.6	12.7	11.6	10.9	10.3	9.8	9.3	8.3	8	7.8	7.4
1.Max Static	F daN	52.3	46.1	38.7	34.4	29.8	26.9	23.6	17	15.9	12.2	9.4
	d mm	1.5	1.7	2	2.1	2.4	2.6	2.9	3.8	4	5.1	6.1
2.Max Shock	F daN	482	419	347	293	263	228	199	150	140	128	108
	d mm	5	6	7	8	9	9	10	14	15	23	29
3.Max Vibration	2a mm	0.6	0.7	0.8	0.9	1	1.1	1.2	1.6	1.7	2.5	3.3
	f Hz	19.5	18.4	17	16.5	15.3	14.9	14.2	12.2	11.9	10.2	9.1



COMPRESSION/ROLL 45° - TENSION/ROLL 45°

FH16 Series	Model	-02	-04	-06	-08	-10	-12	-14	-16	-18	-20	-22
1.Max Static	F daN	39.2	34.6	29	25.8	22.4	20.2	17.7	12.7	11.9	9.1	7.1
	d mm	2.9	3.4	3.3	4	4.2	5	5.6	6.6	7	9.2	9.7
2.Max Shock	F daN	100	88.7	74.2	65.2	57	50.9	44.6	32.5	30.3	24.1	19
	d mm	17	20	24	28	31	35	39	48	51	51	56
3.Max Vibration	2a mm	1.9	2.2	2.7	3.1	3.4	3.9	4.3	5.4	5.6	5.6	6.2
	f Hz	10.2	9.5	8.8	8.2	7.8	7.4	7	6.2	6.1	5.8	5.6
1.Max Static	F daN	39.2	34.6	29	25.8	22.4	20.2	17.7	12.7	11.9	9.1	7.1
	d mm	1.9	2.1	2.4	2.7	2.9	3.2	3.6	4.6	4.8	6.5	7.8
2.Max Shock	F daN	238	207	171	144	129	112	98.2	74.2	69	64.2	54.2
	d mm	6	7	8	9	10	11	12	17	17	26	33
3.Max Vibration	2a mm	0.8	0.8	1	1	1.2	1.2	1.4	1.9	2	2.9	3.7
	f Hz	15.8	14.8	13.7	13.4	12.3	12.1	11.4	9.8	9.6	8.2	7.4



SHEAR OR ROLL

FH16 Series	Model	-02	-04	-06	-08	-10	-12	-14	-16	-18	-20	-22
1.Max Static	F daN	26.2	23	19.3	17.2	14.9	13.4	11.8	8.5	7.9	6.1	4.7
	d mm	2.8	3.1	4	4.6	5.4	6.1	6.7	8.1	9.4	8.5	9.6
2.Max Shock	F daN	131	111	90.1	74	66.3	56.2	48.7	36.4	33.8	31.5	26.1
	d mm	10	11	13	15	17	18	20	26	28	33	40
3.Max Vibration	2a mm	1.1	1.3	1.5	1.7	1.9	2.1	2.3	3	3.1	3.7	4.4
	f Hz	5.5	5.2	4.9	4.7	4.4	4.3	4.1	3.5	3.5	3	2.7

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

