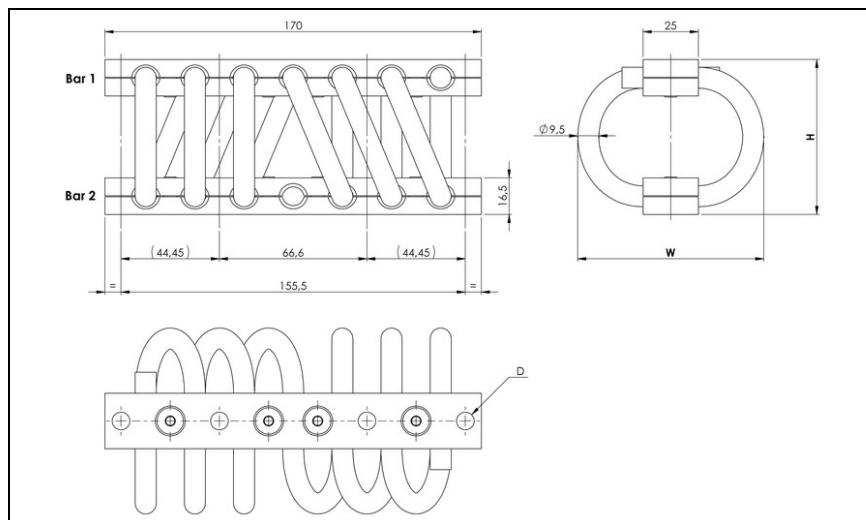


WIRE ROPE ISOLATORS: 'HELICAL'

DEFINITION
series FH40



- 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)
FH40
Cable: stainless steel galvanized available: CBG
Retainer bars: aluminium alloy/ SurTec
Screws: alloy steel/ zinc plate
Inserts: stainless steel
All stainless steel: CBSS
Other materials on request

MODEL	height H (mm)	width W (mm)	weight (kg)
-20	68	80	0.71
-24	71	84	0.74
-32	74	90	0.76
-34	82	108	0.85
-36	77	104	0.82
-38	89	108	0.87
-44	105	121	0.96
-46	108	140	1
-48	124	143	1.1
-50	134	153	1.2
-52	155	180	1.3
-54	166	186	1.4

INTERFACES			
fixtures holes D	Bar 1		
	2 through holes ø7mm	2 through holes ø7mm counter- sunk 90°	4 inserts M6
Bar 2			
2 through holes ø7mm	TM2	not standard	not standard
2 through holes ø7mm counter- sunk 90°	TCM	CM2	not standard
4 inserts M6	TIM	CIM	IM2

F	H	4	0	-	2	0	0	6	C	I	M
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SERIE: FH40
'Helical' mount from the
FH40 series

MODEL: -20
height: 68mm
width: 80mm
weight: 0.71kg

LOOPS: 06
Serie
standard is
06 loops

INTERFACE: CIM
2 through holes ø7mm
counter-sunk 90° in bar 1,
4 inserts M6 in bar 2





COMPRESSION AND TENSION

FH40 Series	Model	-20	-24	-32	-34	-36	-38	-44	-46	-48	-50	-52	-54
1.Max Static	F daN	162	146	126	83.6	89.8	85.6	66.9	48.7	47.8	41.7	30.2	28.5
	d mm	5.4	5.9	6.8	8.1	7.3	9.3	11.4	12.4	14.6	16.1	20.1	20.9
2.Max Shock	F daN	488	438	380	250	269	256	200	146	143	125	90.6	85.4
	d mm	31	34	36	44	39	50	64	67	81	90	109	119
3.Max Vibration	2a mm	3.5	3.8	4.1	4.8	4.4	5.5	7.1	7.4	9	10	12.1	13.2
	f Hz	8.4	8	7.7	6.9	7.2	6.5	5.8	5.6	5.2	4.9	4.4	4.3
1.Max Static	F daN	162	146	126	83.6	89.8	85.6	66.9	48.7	47.8	41.7	30.2	28.5
	d mm	3.6	4	4.7	6.7	6.3	6.5	7.7	10.1	10	10.9	13.8	14.2
2.Max Shock	F daN	1406	1285	1178	901	1012	808	594	517	431	373	279	252
	d mm	13	15	19	30	30	26	30	45	39	43	55	55
3.Max Vibration	2a mm	1.5	1.7	2.1	3.4	3.3	3	3.3	5	4.4	4.7	6.2	6.1
	f Hz	12.6	11.9	10.9	8.8	9	9.2	8.6	7.2	7.5	7.2	6.3	6.3



COMPRESSION/ROLL 45° - TENSION/ROLL 45°

FH40 Series	Model	-20	-24	-32	-34	-36	-38	-44	-46	-48	-50	-52	-54
1.Max Static	F daN	122	109	95.2	62.7	67.4	64.2	50.2	36.6	35.8	31.3	22.6	21.3
	d mm	6.6	7	9	11.7	10.2	12.1	13.2	18.1	16.4	18.4	26.9	24.4
2.Max Shock	F daN	309	279	245	166	179	165	128	96.6	91.8	80	58.3	54.4
	d mm	47	51	55	66	59	75	97	101	122	136	164	179
3.Max Vibration	2a mm	5.2	5.6	6.1	7.3	6.5	8.3	10.7	11.1	13.5	15	18.1	19.8
	f Hz	6.3	6.1	5.7	5.2	5.4	4.9	4.4	4.2	3.9	3.7	3.3	3.2
1.Max Static	F daN	122	109	95.2	62.7	67.4	64.2	50.2	36.6	35.8	31.3	22.6	21.3
	d mm	4.6	5.3	6.1	7.7	7.8	7.8	9.3	13	12.4	13.4	17.9	17
2.Max Shock	F daN	692	633	582	449	506	400	293	258	212	184	138	124
	d mm	15	17	21	35	34	30	34	52	45	49	63	63
3.Max Vibration	2a mm	1.7	2	2.4	3.9	3.8	3.4	3.8	5.8	5	5.4	7	7
	f Hz	10.3	9.7	8.8	7.1	7.3	7.4	6.9	5.8	6.1	5.8	5.2	5.1



SHEAR OR ROLL

FH40 Series	Model	-20	-24	-32	-34	-36	-38	-44	-46	-48	-50	-52	-54
1.Max Static	F daN	81.3	73.1	63.5	41.8	44.9	42.8	33.5	24.4	23.9	20.9	15.1	14.2
	d mm	8	8	9.6	10.4	10.3	13.2	16.4	17.1	21.1	22.9	29.2	32.4
2.Max Shock	F daN	364	331	304	229	260	202	144	127	103	88.9	66.1	59.1
	d mm	25	28	32	44	41	44	53	66	69	76	94	99
3.Max Vibration	2a mm	2.8	3.1	3.5	4.8	4.5	4.9	5.9	7.3	7.6	8.4	10.4	10.9
	f Hz	3.6	3.4	3.2	2.6	2.6	2.7	2.5	2.1	2.2	2.1	1.9	1.9

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

