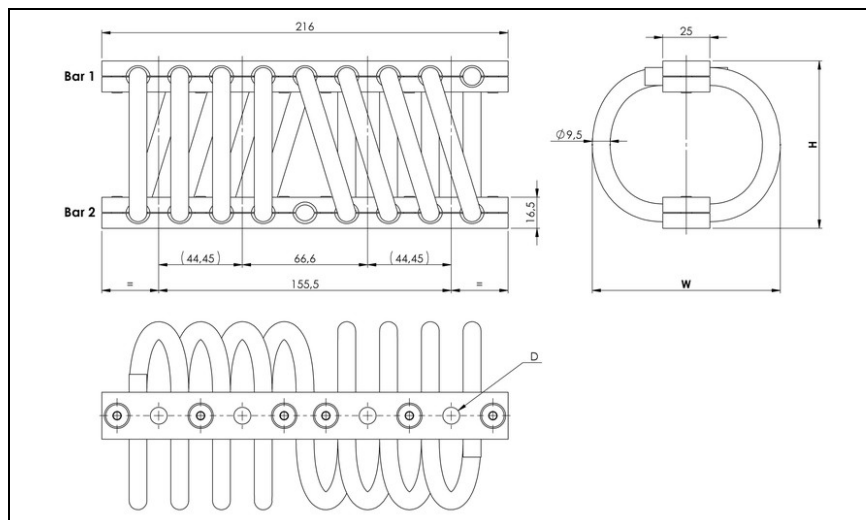


WIRE ROPE ISOLATORS: 'HELICAL'

DEFINITION
series FH44



- 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)
FH44
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	0.93
-24	71	84	0.96
-32	74	90	1
-34	82	108	1.1
-36	77	104	1.1
-38	89	108	1.1
-44	105	121	1.3
-46	108	140	1.4
-48	124	143	1.4
-50	134	153	1.5
-52	155	180	1.7
-54	166	186	1.8

INTERFACES			
fixtures holes D	Bar 1		
	4 through holes ø8,8mm	4 through holes ø8,8mm counter-sunk 90°	4 inserts M8
Bar 2			
4 through holes ø8,8mm	TM2	not standard	not standard
4 through holes ø8,8mm counter- sunk 90°	TCM	CM2	not standard
4 inserts M8	TIM	CIM	IM2

F	H	4	4	-	2	0	0	8	C	I	M
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SERIE: FH44

'Helical' mount from the
FH44 series

MODEL: -20

height: 68mm
width: 80mm
weight: 0.93kg

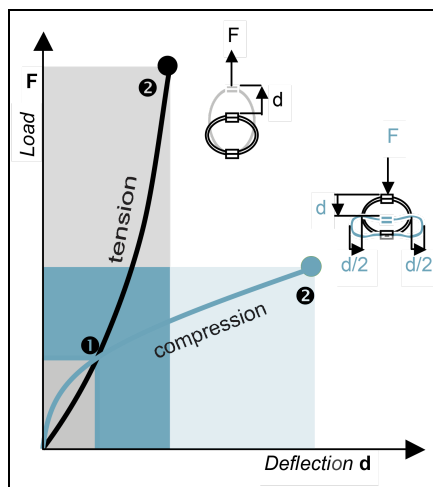
LOOPS: 08

Serie
standard is
08 loops

INTERFACE: CIM

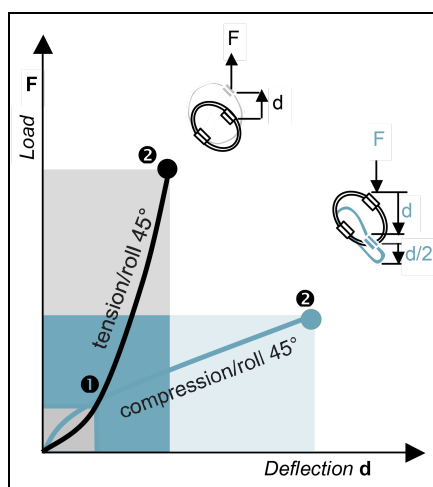
4 through holes ø8,8mm
counter-sunk 90° in bar 1,
4 inserts M8 in bar 2





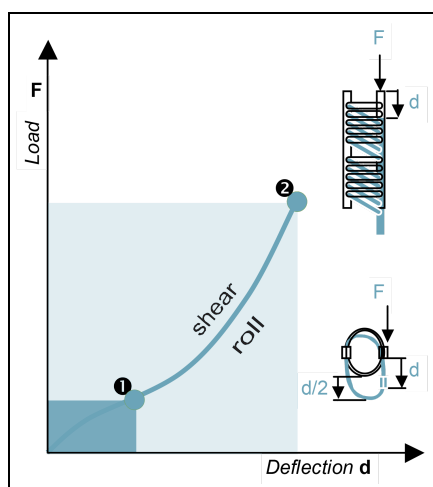
COMPRESSION AND TENSION

FH44 Series	Model	-20	-24	-32	-34	-36	-38	-44	-46	-48	-50	-52	-54
1.Max Static	F daN	216	194	169	111	119	114	89.2	65	63.7	55.6	40.3	37.9
	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	650	584	507	334	359	342	267	194	191	166	120	113
	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	216	194	169	111	119	114	89.2	65	63.7	55.6	40.3	37.9
	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	1875	1714	1570	1201	1349	1077	792	690	574	498	372	336
	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°

FH44 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	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	412	372	326	221	239	221	170	128	122	106	77.7	72.6
	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	162	146	126	83.6	89.8	85.6	66.9	48.7	47.8	41.7	30.2	28.5
	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	922	844	777	599	675	533	390	344	283	245	184	165
	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

FH44 Series	Model	-20	-24	-32	-34	-36	-38	-44	-46	-48	-50	-52	-54
1.Max Static	F daN	108	97.5	84.6	55.7	59.9	57.1	44.6	32.5	31.9	27.8	20.1	19
	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	486	442	405	306	347	269	192	169	137	118	88.1	78.8
	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