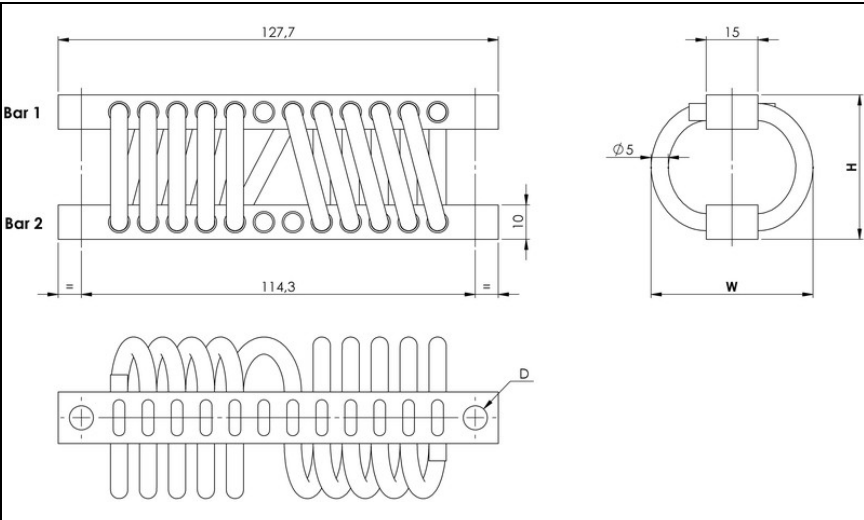


WIRE ROPE ISOLATORS: 'HELICAL'

DEFINITION
series FH20



- 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)
FH20
Cable: stainless steel
Retainer bars: aluminium alloy/ SurTec
All stainless steel : C6HSS
Other materials on request

MODEL	height H (mm)	width W (mm)	weight (kg)
-02	31	37	0.15
-04	34	39	0.16
-06	37	42	0.17
-08	39	44	0.17
-10	42	47	0.18
-12	44	49	0.19
-14	51	58	0.21
-16	52	63	0.22
-18	55	74	0.24
-20	57	80	0.25
-22	81	107	0.32

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	2	0	-	0	2	1	0	C	I	M
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SERIE: FH20
'Helical' mount from the
FH20 series

MODEL: -02
height: 31mm
width: 37mm
weight: 0.15kg

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

FH20 Series	Model	-02	-04	-06	-08	-10	-12	-14	-16	-18	-20	-22
1.Max Static	F daN	109	96.6	81.2	72.8	62.6	57	40	34.1	23.5	19.8	11.4
	d mm	1.7	2	2.4	2.7	3.2	3.4	4.8	5.3	5.8	6.1	10.1
2.Max Shock	F daN	329	289	243	218	187	170	119	102	70.5	59.3	34.2
	d mm	9	12	15	17	19	21	27	28	31	33	54
3.Max Vibration	2a mm	1.1	1.4	1.7	1.9	2.2	2.4	3.1	3.2	3.5	3.7	6
	f Hz	15	13.5	12.2	11.6	10.8	10.3	8.9	8.6	8.1	7.8	6.2
1.Max Static	F daN	109	96.6	81.2	72.8	62.6	57	40	34.1	23.5	19.8	11.4
	d mm	1.2	1.3	1.6	1.8	2.1	2.3	3.2	3.8	5.1	5.7	8.6
2.Max Shock	F daN	966	796	668	599	515	468	347	327	269	244	127
	d mm	4	4	5	6	7	8	12	15	24	29	40
3.Max Vibration	2a mm	0.5	0.5	0.6	0.7	0.8	0.9	1.4	1.8	2.7	3.3	4.5
	f Hz	22.1	21.1	19.2	18.1	16.8	16.1	13.4	12	10	9.2	7.7



COMPRESSION/ROLL 45° - TENSION/ROLL 45°

FH20 Series	Model	-02	-04	-06	-08	-10	-12	-14	-16	-18	-20	-22
1.Max Static	F daN	82.3	72.5	60.9	54.6	47	42.7	30	25.6	17.6	14.8	8.5
	d mm	2	2.8	3.4	3.8	4.4	4.8	5.8	6.8	8.1	9.8	14.3
2.Max Shock	F daN	209	181	152	137	117	107	76.1	66.3	47.2	40.2	22.8
	d mm	14	18	22	25	29	32	41	43	47	49	82
3.Max Vibration	2a mm	1.6	2.1	2.5	2.8	3.3	3.6	4.6	4.8	5.2	5.5	9.1
	f Hz	11.3	10	9.1	8.6	8	7.6	6.7	6.5	6.1	5.8	4.6
1.Max Static	F daN	82.3	72.5	60.9	54.6	47	42.7	30	25.6	17.6	14.8	8.5
	d mm	1.4	1.8	2.1	2.4	2.7	3	4.2	4.7	6.6	7.3	10.6
2.Max Shock	F daN	476	390	327	293	252	229	170	162	135	122	63.6
	d mm	5	5	6	7	8	9	14	18	28	34	46
3.Max Vibration	2a mm	0.6	0.6	0.7	0.8	1	1	1.5	2	3.1	3.7	5.2
	f Hz	17.8	17.1	15.6	14.7	13.7	13.1	10.9	9.7	8.1	7.5	6.2



SHEAR OR ROLL

FH20 Series	Model	-02	-04	-06	-08	-10	-12	-14	-16	-18	-20	-22
1.Max Static	F daN	54.9	48.3	40.6	36.4	31.3	28.5	20	17	11.8	9.9	5.7
	d mm	2.3	3	3.6	4.4	5	5.4	6.9	7	8.2	8.6	14.9
2.Max Shock	F daN	278	215	175	155	130	117	86.3	82.6	67.4	60.1	30.5
	d mm	8	9	11	13	15	16	22	25	33	37	56
3.Max Vibration	2a mm	0.9	1.1	1.3	1.5	1.7	1.8	2.5	2.8	3.7	4.2	6.2
	f Hz	6.1	5.8	5.3	5.1	4.7	4.5	3.8	3.5	2.9	2.7	2.3

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