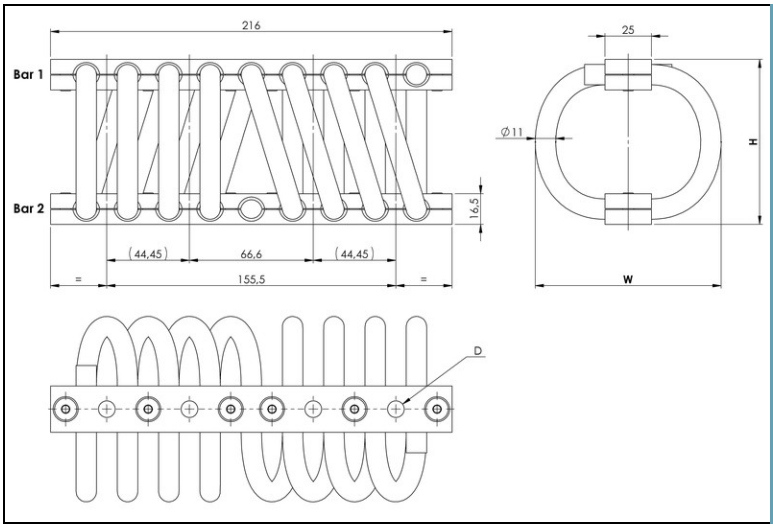
WIRE ROPE ISOLATORS: 'HELICAL'

DEFINITION
series CB1390



- 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 milimeters. For reference only

SERIES

Materials and finishes
(meets RoHS requirements)

CB1390

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)
-12	68	83	1,1
-15	71	87	1,1
-20	74	93	1,2
-30	77	107	1,3
-35	89	111	1,4
-40	105	124	1,6
-50	108	143	1,7
-60	124	146	1,8
-70	134	156	1,9
-80	155	183	2,2

INTERFACES

fixtures holes D	Bar 1		
Bar 2	4 through holes ø8,4mm	4 through holes ø8,4mm counter-sunk 90°	4 inserts M8
4 through holes ø8,4mm	no suffix	not standard	not standard
4 through holes ø8,4mm counter-sunk 90°	CM	CM2	not standard
4 inserts M8	IM	CIM	IM2

C	B	1	3	9	0	-	1	2	C	I	M

SERIE: CB1390
'Helical' mount from the CB1390 series

MODEL: -12
height: 68mm
width: 83mm
weight: 1,1kg
loops: serie
standard is 08 loops

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

SOCITEC

ISO 9001 BUREAU VERITAS Certification
RoHS COMPLIANT

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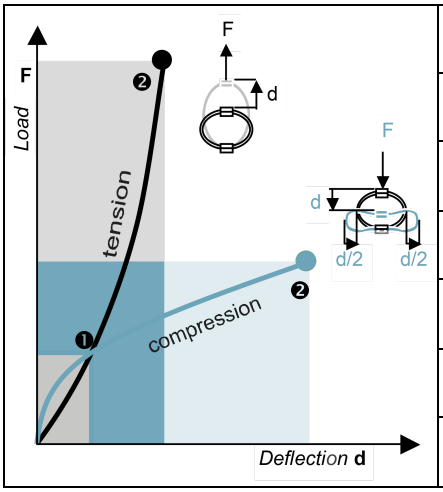
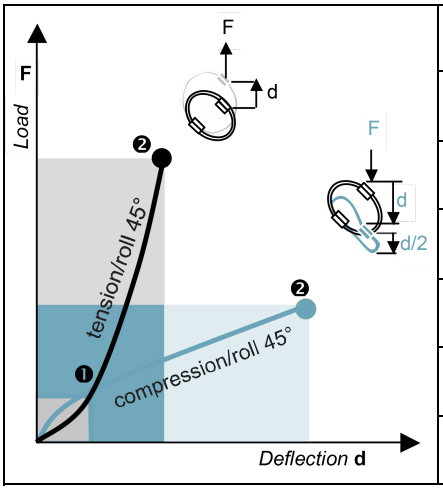


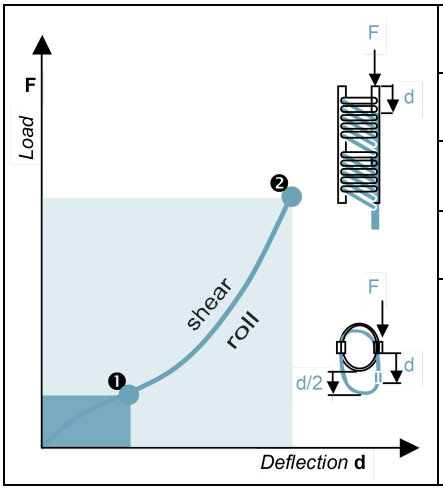
COMPRESSION AND TENSION

CB1390 Series	Model	-12	-15	-20	-30	-35	-40	-50	-60	-70	-80
1. Max Static	F daN	360	324	282	198	190	150	108	106	93,5	67,8
	d mm	5,5	6,1	6,8	7,3	9,3	11,5	12,4	14,8	16,3	20,3
2. Max Shock	F daN	1081	973	846	596	570	450	326	320	280	203
	d mm	31	34	36	39	50	64	67	81	90	109
3. Max Vibration	2a mm	3,5	3,8	4,1	4,4	5,5	7,1	7,4	9,0	10,0	12,1
	f Hz	6,3	6,1	6,0	6,2	5,2	4,4	4,7	4,0	3,7	3,5
1. Max Static	F daN	360	324	282	198	190	150	108	106	93,5	67,8
	d mm	3,7	4,2	4,8	6,4	6,7	7,9	10,2	10,1	11,1	14,0
2. Max Shock	F daN	3198	2925	2682	2290	1826	1351	1173	976	846	632
	d mm	14	16	19	31	28	31	47	40	44	57
3. Max Vibration	2a mm	1,6	1,8	2,2	3,4	3,1	3,4	5,2	4,5	4,9	6,3
	f Hz	10,5	10,0	9,3	8,0	7,9	7,3	6,4	6,4	6,1	5,4



COMPRESSION/ROLL 45° - TENSION/ROLL 45°

CB1390 Series	Model	-12	-15	-20	-30	-35	-40	-50	-60	-70	-80
1. Max Static	F daN	270	243	211	149	142	112	81,7	80,2	70,1	50,9
	d mm	7,8	8,5	9,6	11,7	13,3	16,2	19,2	20,7	22,8	28,3
2. Max Shock	F daN	689	623	547	399	369	288	216	205	179	131
	d mm	47	51	55	59	75	97	101	122	136	164
3. Max Vibration	2a mm	5,2	5,6	6,1	6,5	8,3	10,7	11,1	13,5	15,0	18,1
	f Hz	5,4	5,2	5,2	5,2	4,4	3,8	4,0	3,4	3,2	3,0
1. Max Static	F daN	270	243	211	149	142	112	81,7	80,2	70,1	50,9
	d mm	5,0	5,5	6,4	8,4	8,8	10,5	13,4	13,5	14,8	18,6
2. Max Shock	F daN	1577	1444	1328	1148	905	667	585	482	417	313
	d mm	16	18	22	35	32	35	53	46	50	65
3. Max Vibration	2a mm	1,8	2,1	2,5	3,9	3,5	3,9	5,9	5,1	5,6	7,2
	f Hz	9,4	8,9	8,3	7,2	7,0	6,5	5,7	5,7	5,4	4,9



SHEAR OR ROLL

CB1390 Series	Model	-12	-15	-20	-30	-35	-40	-50	-60	-70	-80
1. Max Static	F daN	180	162	141	99,4	95,0	75,0	54,4	53,4	46,8	33,9
	d mm	8,1	8,8	9,6	10,4	13,4	17,7	18,4	22,7	25,3	30,8
2. Max Shock	F daN	809	735	674	573	444	318	280	226	195	145
	d mm	26	28	32	42	45	54	67	69	77	95
3. Max Vibration	2a mm	2,9	3,2	3,6	4,6	5,0	6,0	7,4	7,7	8,5	10,5
	f Hz	7,2	6,8	6,5	5,9	5,6	5,0	4,6	4,4	4,2	3,8

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