

- All metal multidirectional anti-vibration/shock mounts.
- Exceptional reliability and long life.
- High damping.
- No ageing.
- Corrosion resistant.
- Unequalled temperature range : -180°C +300°C.
- Great adaptability/versatility.

Specials on request (material size and number of loops, etc.).

Dimensions are in mm. For reference only.

<b>Series</b>
Materials and finishes (meets RoHS requirements)
<b>CB1390</b>
<b>Cable:</b> stainless steel (galvanised CBG1390)
<b>Retainer bars:</b> aluminium alloy/ SurTec
<b>Screws:</b> alloy steel/ zinc plate
<b>Inserts:</b> stainless steel
Other materials on request

<b>Model</b>	height h (mm)	width w (mm)	mass (kg)
-12	68	83	1,2
-15	71	87	1,3
-20	74	93	1,4
-30	77	107	1,5
-35	89	111	1,7
-40	105	124	1,9
-50	108	143	2,0
-60	124	146	2,2
-70	134	156	2,3

<b>Interfaces</b>	<b>Bar 1</b>		
fixtures holes D	4 through holes ø 8,4mm	4 through holes ø 8,4mm countersunk 90°	4 inserts M8
<b>Bar 2</b>	no suffix	not standard	not standard
4 through holes ø 8,4mm	CM	CM2	not standard
4 through holes ø 8,4mm countersunk 90°	IM	CIM	IM2



Example  
CB1390-15IM2



**Prefix:**  
'helical' mount from the CB1390 series

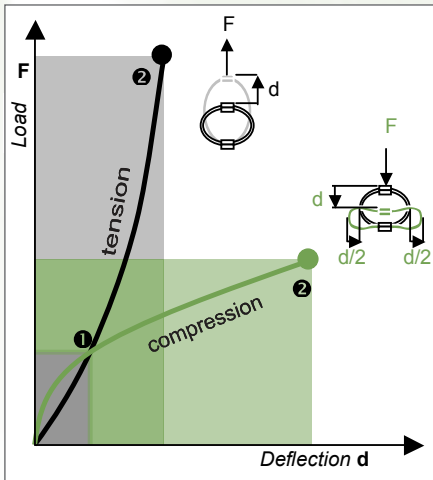
**Model: -15**  
height: 71mm  
width: 87mm  
mass: 1,3kg  
8 loops

**Model: -15-06**  
=  
=  
=  
6 loops

**Suffix: IM2**  
4 inserts M8 in bars 1 and 2

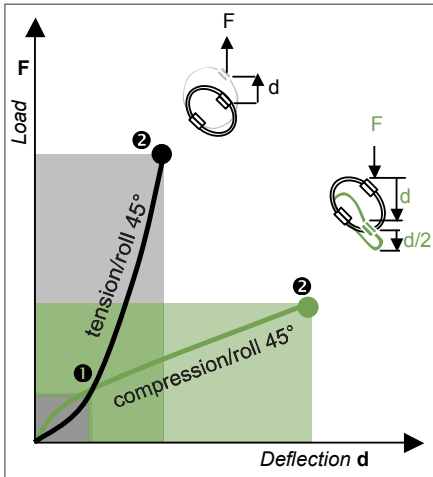


Note: Standard models in this series have 8 loops



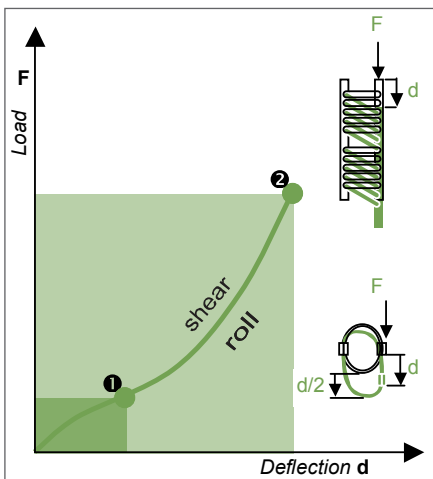
**Compression and Tension**

CB1390 Series	Model	-12	-15	-20	-30	-35	-40	-50	-60	-70
<b>1. Max Static</b>	F daN	359	330	294	216	214	177	133	135	121
	d mm	5,4	5,9	6,8	7,4	9,2	11,5	12,5	14,6	16,1
<b>2. Max Shock</b>	F daN	1077	989	881	648	641	531	400	404	362
	d mm	32	34	37	40	50	65	68	82	91
<b>3. Max Vibration</b>	2a mm	3,5	3,7	4,1	4,4	5,5	7,2	7,5	9,0	10,0
	f Hz	6,1	6,1	6,0	6,2	5,2	4,4	4,7	3,9	3,7
<b>1. Max Static</b>	F daN	359	330	294	216	214	177	133	135	121
	d mm	3,6	4,0	4,8	6,4	6,5	7,8	10,2	10,0	11,0
<b>2. Max Shock</b>	F daN	2725	2574	2427	2164	1787	1397	1253	1070	955
	d mm	13	15	19	29	26	29	44	38	41
<b>3. Max Vibration</b>	2a mm	1,5	1,7	2,0	3,2	2,8	3,2	4,9	4,2	4,6
	f Hz	10,8	10,2	9,4	8,1	8,0	7,3	6,4	6,5	6,2



**Compression/roll 45° - Tension/roll 45°**

CB1390 Series	Model	-12	-15	-20	-30	-35	-40	-50	-60	-70
<b>1. Max Static</b>	F daN	269	247	220	162	160	133	100	101	90,5
	d mm	9,9	10,6	11,6	12,6	16,1	20,9	22,5	26,6	29,4
<b>2. Max Shock</b>	F daN	634	586	529	404	386	315	247	240	215
	d mm	48	51	56	60	75	98	102	123	137
<b>3. Max Vibration</b>	2a mm	5,3	5,6	6,1	6,6	8,3	10,7	11,2	13,5	15,0
	f Hz	5,0	5,0	5,0	5,2	4,3	3,6	3,9	3,2	3,1
<b>1. Max Static</b>	F daN	269	247	220	162	160	133	100	101	90,5
	d mm	5,7	6,3	7,4	9,9	10,2	12,2	15,8	15,6	17,2
<b>2. Max Shock</b>	F daN	1965	1861	1766	1601	1302	1011	923	776	692
	d mm	18	20	25	39	34	39	59	50	55
<b>3. Max Vibration</b>	2a mm	1,9	2,2	2,7	4,3	3,8	4,3	6,5	5,5	6,1
	f Hz	9,5	9,1	8,3	7,1	7,1	6,5	5,7	5,8	5,5



**Shear or Roll**

CB1390 Series	Model	-12	-15	-20	-30	-35	-40	-50	-60	-70
<b>1. Max Static</b>	F daN	179	165	147	108	107	88,5	66,7	67,3	60,4
	d mm	11,2	11,9	12,9	14,0	17,5	22,7	23,8	28,7	31,8
<b>2. Max Shock</b>	F daN	829	792	760	683	540	408	374	307	272
	d mm	27	30	34	45	47	57	71	73	80
<b>3. Max Vibration</b>	2a mm	3,0	3,2	3,7	4,9	5,1	6,3	7,8	8,0	8,8
	f Hz	7,4	7,1	6,7	6,0	5,7	5,1	4,7	4,5	4,3

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:**

- Ground Forces GAM EG13A, SEFT 001, MIL-STD-810, VG 95332.
- Air AIR 7306, MIL-E-5400, MIL-C-172, MIL-STD-810.
- 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.