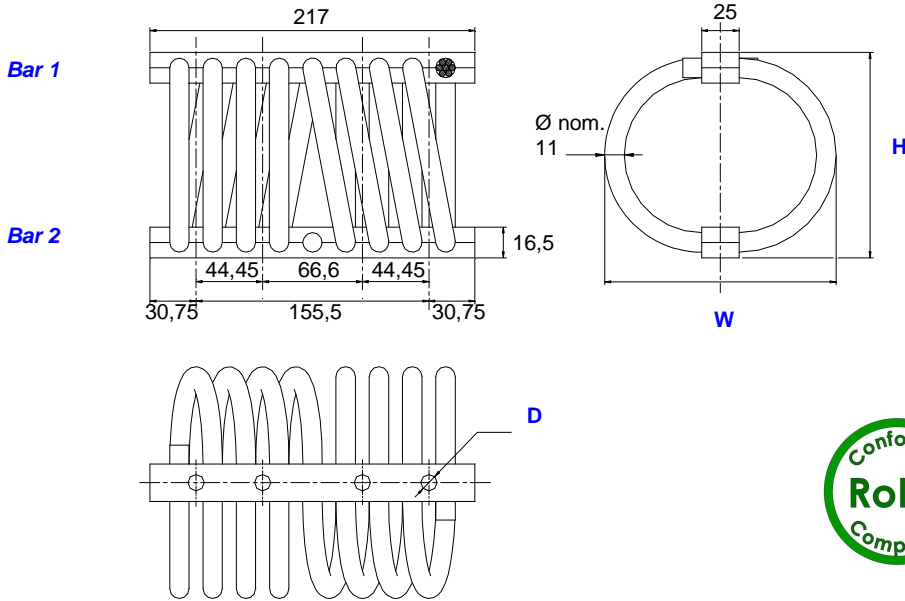


wire rope isolators standard line "Helical"

series CB1390

definition



Dimensions are in mm.

Dimensions for reference only.

- 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.).



Series

Materials and finishes

CB1390

Cable :
stainless steel.
(galvanised **CBG1390**)

Retainer bars :
Aluminium alloy/Surtec 650

Screws :
Alloy steel/zinc plate.
(Inserts : stainless steel.)

Other materials
on request.

Model

	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

Interfaces

fixture holes
D

Bar 2

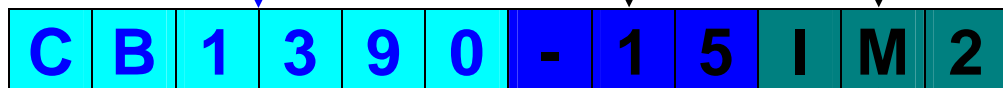
4 through holes
Ø 8,4 mm

4 through holes
Ø 8,4 mm
countersunk 90°

4 inserts M8

	Bar 1		
	4 through holes Ø 8,4 mm	4 through holes Ø 8,4 mm countersunk 90°	4 inserts M8
	no suffix	not standard	not standard
	CM	CM2	not standard
	IM	CIM	IM2

Example :
CB1390-15IM2



Prefix :
"Helical" mount
from the **CB1390** series

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

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

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

Note : Standard models of this series have 8 loops.

01/07/2013

Socitec
BP 33, 78501 Sartrouville cedex - France
Telephone : +33 (0)1 61 04 60 00
Fax : +33 (0)1 39 14 03 27
http://www.socitec.com
e-mail : shock-intl@socitec.com

Document subject to modification without prior notice



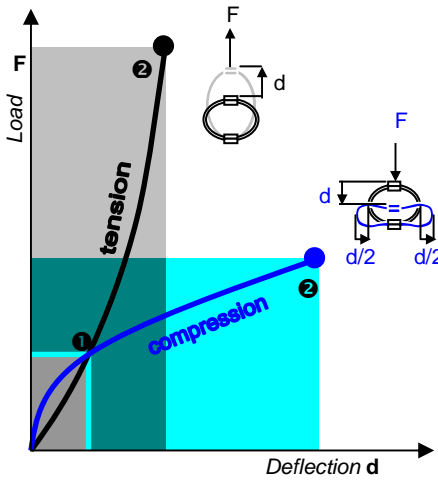
series

CB1390

wire rope isolators

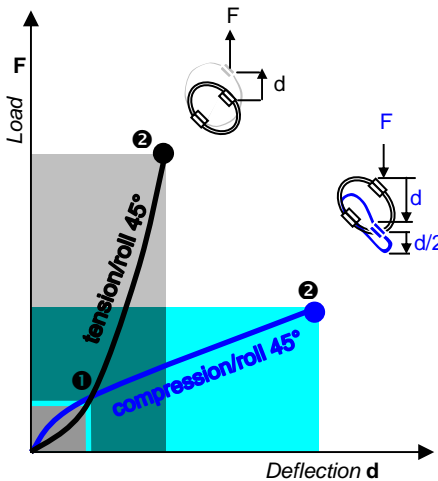
standard line "Helical"

performances*



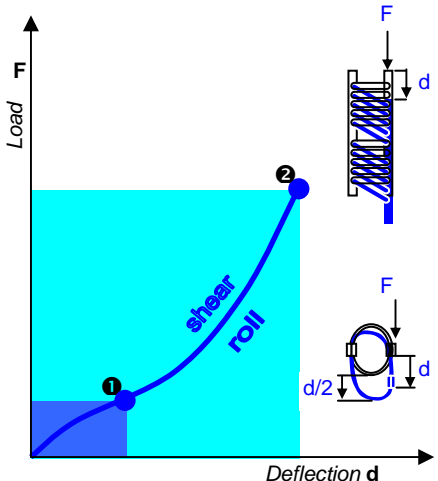
Compression and Tension

CB1390 series	Model	-12	-15	-20	-30	-35	-40	-50	-60	-70
Max static	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
Max shock	F daN	1077	989	881	648	641	531	400	404	362
	d mm	32	34	37	40	50	65	68	82	91
Max vibration	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
Max static	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
Max shock	F daN	2725	2574	2427	2164	1787	1397	1253	1070	955
	d mm	13	15	19	29	26	29	44	38	41
Max vibration	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
Max static	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
Max shock	F daN	634	586	529	404	386	315	247	240	215
	d mm	48	51	56	60	75	98	102	123	137
Max vibration	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
Max static	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
Max shock	F daN	1965	1861	1766	1601	1302	1011	923	776	692
	d mm	18	20	25	39	34	39	59	50	55
Max vibration	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
Max static	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
Max shock	F daN	829	792	760	683	540	408	374	307	272
	d mm	27	30	34	45	47	57	71	73	80
Max vibration	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.

01/07/2013

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.

Socitec
 BP 33, 78501 Sartrouville cedex - France
 Telephone : +33 (0)1 61 04 60 00
 Fax : +33 (0)1 39 14 03 27
<http://www.socitec.com>
 e-mail : shock-intl@socitec.com



Document subject to modification without prior notice