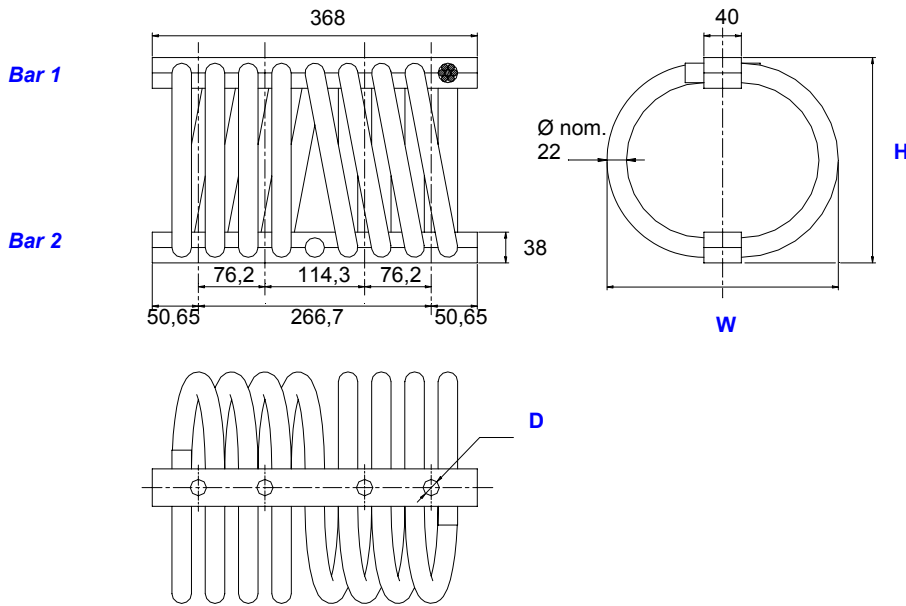


wire rope isolators standard line "Helical"

series CB1700

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

CB1700

Cable :
stainless steel.
(galvanised **CBG1700**)
Retainer bars :
Aluminium alloy/alodine.
Screws :
Alloy steel/zinc plate.
(Inserts : stainless steel.)

Other materials
on request.

Model

	height H (mm)	width W (mm)	mass (kg)
-15	133	140	8,4
-17	152	165	9,5
-20	159	178	9,9
-30	190	210	11,5
-40	216	235	12,7

Interfaces

fixture holes

D

Bar 2

4 through holes
Ø 13,4 mm

4 through holes
Ø 13,4 mm
countersunk 90°

4 inserts M12

Bar 1

4 through holes
Ø 13,4 mm

4 through holes
Ø 13,4 mm
countersunk 90°

4 inserts M12

4 through holes
Ø 13,4 mm
countersunk 90°

not standard

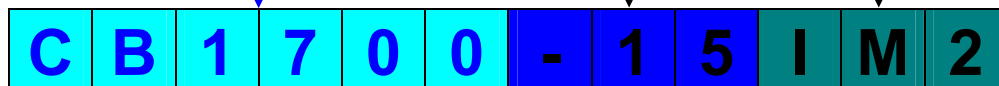
CIM

4 inserts M12

not standard

IM2

Example :
CB1700-15IM2



Prefix :
"Helical" mount
from the **CB1700** series

Model : -15
height : 133 mm
width : 140 mm
mass : 8,4 kg
8 loops

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

Suffix : IM2
4 inserts M12
in bars 1 and 2.

Note : Standard models of this series have 8 loops.

01/05/2005

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

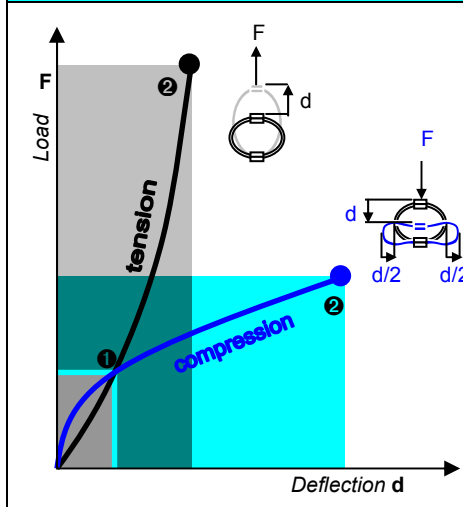
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series CB1700

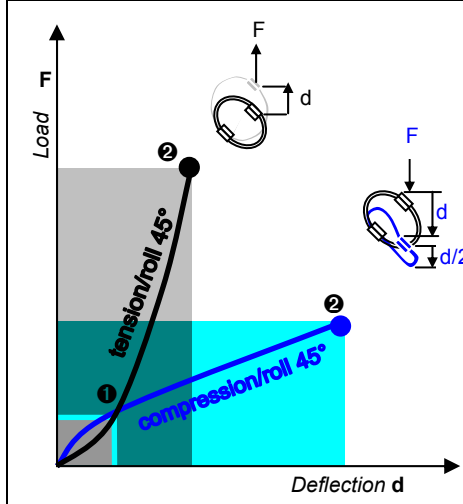
wire rope isolators standard line "Helical"

performances*



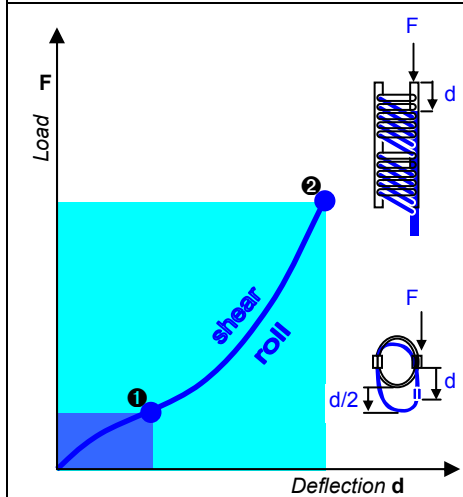
Compression and Tension

CB1700 series	Model	-15	-17	-20	-30	-40				
Max static	F daN	1528	1176	1045	804	672				
	d mm	8,4	12,0	13,5	18,5	22,2				
Max shock	F daN	4585	3527	3134	2411	2016				
	d mm	50	67	73	101	124				
Max vibration	2a mm	5,5	7,4	8,0	11,1	13,6				
	f Hz	4,9	4,4	4,3	3,6	3,2				
Max static	F daN	1528	1176	1045	804	672				
	d mm	5,6	8,2	9,6	12,7	15,2				
Max shock	F daN	11554	9398	8758	6553	5365				
	d mm	20	31	38	49	58				
Max vibration	2a mm	2,2	3,4	4,2	5,4	6,3				
	f Hz	8,6	7,2	6,7	5,8	5,3				



Compression/roll 45°-Tension/roll 45°

CB1700 series	Model	-15	-17	-20	-30	-40				
Max static	F daN	1146	882	784	603	504				
	d mm	15,5	21,8	24,3	33,4	40,3				
Max shock	F daN	2696	2102	1887	1443	1201				
	d mm	75	101	110	152	186				
Max vibration	2a mm	8,3	11,1	12,0	16,7	20,5				
	f Hz	4,0	3,6	3,5	3,0	2,6				
Max static	F daN	1146	882	784	603	504				
	d mm	8,8	12,8	14,9	19,9	23,7				
Max shock	F daN	8326	6813	6380	4760	3889				
	d mm	27	42	50	66	77				
Max vibration	2a mm	3,0	4,6	5,5	7,2	8,4				
	f Hz	7,7	6,3	5,9	5,1	4,7				



Shear or roll

CB1700 series	Model	-15	-17	-20	-30	-40				
Max static	F daN	764	588	522	402	336				
	d mm	17,5	23,4	25,5	35,3	43,4				
Max shock	F daN	3741	2984	2786	1997	1592				
	d mm	42	60	68	92	110				
Max vibration	2a mm	4,6	6,5	7,5	10,1	12,1				
	f Hz	6,0	5,1	4,8	4,1	3,7				

- 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.

01/05/2005

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

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