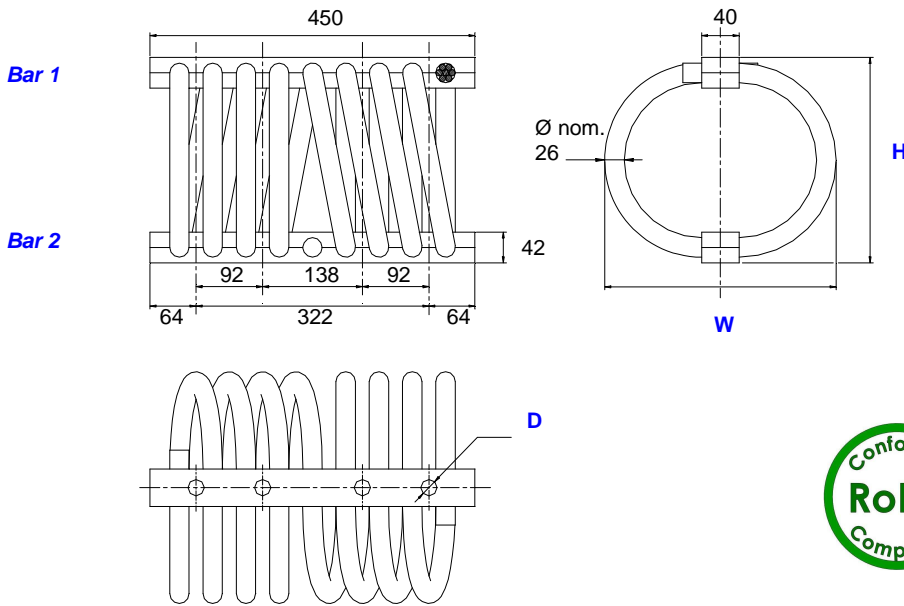


wire rope isolators standard line "Helical"

series CB1800

definition



- 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.

Dimensions for reference only.

Series

Materials and finishes

CB1800

Cable :
stainless steel.
(galvanised **CBG1800**)
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	133	172	10,7
-15	147	187	11,7
-17	163	205	12,9
-20	182	225	14,2
-30	203	249	15,7
-40	228	276	17,4
-50	256	308	19,5

Interfaces

fixture holes
D

Bar 2

4 through holes
Ø 17,5 mm

4 through holes
Ø 17,5 mm
countersunk 90°

4 inserts M16

Bar 1

4 through holes
Ø 17,5 mm

no
suffix

CM

IM

4 through holes
Ø 17,5 mm
countersunk 90°

not
standard

CM2

CIM

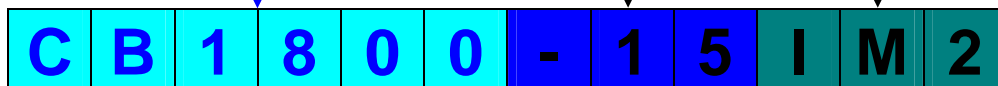
4 inserts M16

not
standard

not
standard

IM2

Example :
CB1800-15IM2



Prefix :
"Helical" mount
from the **CB1800** series

Model : -15
height : 147 mm
width : 187 mm
mass : 11,7 kg
8 loops

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

Suffix : IM2
4 inserts M16
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

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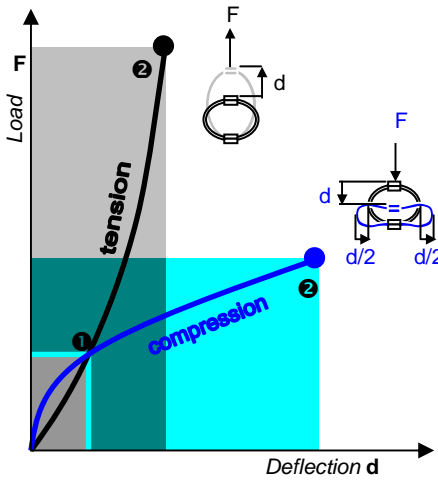
series

CB1800

wire rope isolators

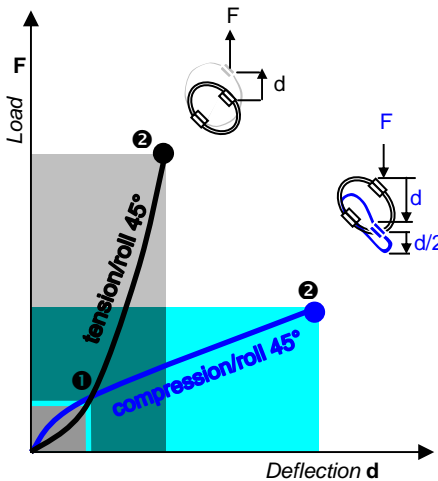
standard line "Helical"

performances*



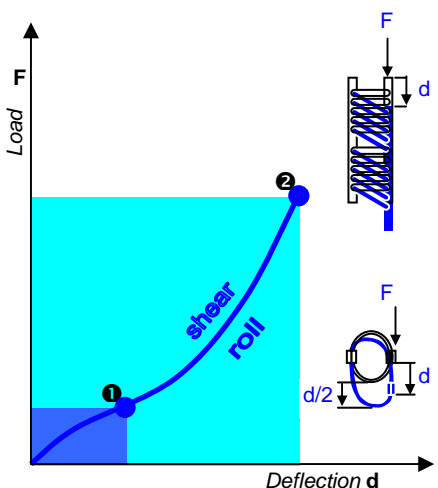
Compression and Tension

CB1800 series	Model	-12	-15	-17	-20	-30	-40	-50		
Max static	F daN	1966	1697	1427	1197	984	808	655		
	① d mm	8.1	10.5	13.1	16.3	19.8	23.9	28.6		
Max shock	F daN	5898	5092	4281	3592	2951	2425	1966		
	② d mm	44	57	71	88	107	130	155		
Max vibration	2a mm	4.9	6.2	7.8	9.7	11.8	14.3	17.0		
	③ f Hz	6.1	5.3	4.7	4.2	3.8	3.4	3.1		
Max static	F daN	1966	1697	1427	1197	984	808	655		
	① d mm	8.1	10.0	11.9	14.1	16.6	19.5	22.8		
Max shock	F daN	12993	10338	8236	6546	5226	4155	3310		
	② d mm	34	38	43	49	56	64	74		
Max vibration	2a mm	3.7	4.2	4.8	5.4	6.2	7.0	8.1		
	③ f Hz	7.5	6.8	6.3	5.8	5.3	4.9	4.6		



Compression/roll 45°-Tension/roll 45°

CB1800 series	Model	-12	-15	-17	-20	-30	-40	-50		
Max static	F daN	1475	1273	1070	898	738	606	492		
	① d mm	11.5	14.7	18.5	22.9	27.9	33.7	40.3		
Max shock	F daN	3797	3237	2697	2241	1831	1496	1209		
	② d mm	66	85	107	132	161	194	232		
Max vibration	2a mm	7.3	9.4	11.7	14.6	17.7	21.4	25.5		
	③ f Hz	5.2	4.5	4.0	3.5	3.2	2.9	2.6		
Max static	F daN	1475	1273	1070	898	738	606	492		
	① d mm	11.5	14.7	18.5	21.9	25.8	30.2	35.5		
Max shock	F daN	13408	10608	8417	6661	5306	4207	3347		
	② d mm	54	60	69	78	90	102	118		
Max vibration	2a mm	5.9	6.7	7.6	8.6	9.9	11.2	13.0		
	③ f Hz	6.3	5.8	5.3	4.9	4.5	4.2	3.9		



Shear or roll

CB1800 series	Model	-12	-15	-17	-20	-30	-40	-50		
Max static	F daN	983	849	714	599	492	404	328		
	① d mm	15.4	19.8	24.9	30.8	37.4	45.3	54.1		
Max shock	F daN	7549	5803	4485	3474	2713	2116	1659		
	② d mm	56	66	79	93	110	129	151		
Max vibration	2a mm	6.1	7.3	8.7	10.2	12.1	14.2	16.6		
	③ f Hz	5.6	5.0	4.5	4.1	3.8	3.5	3.2		

- 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.

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