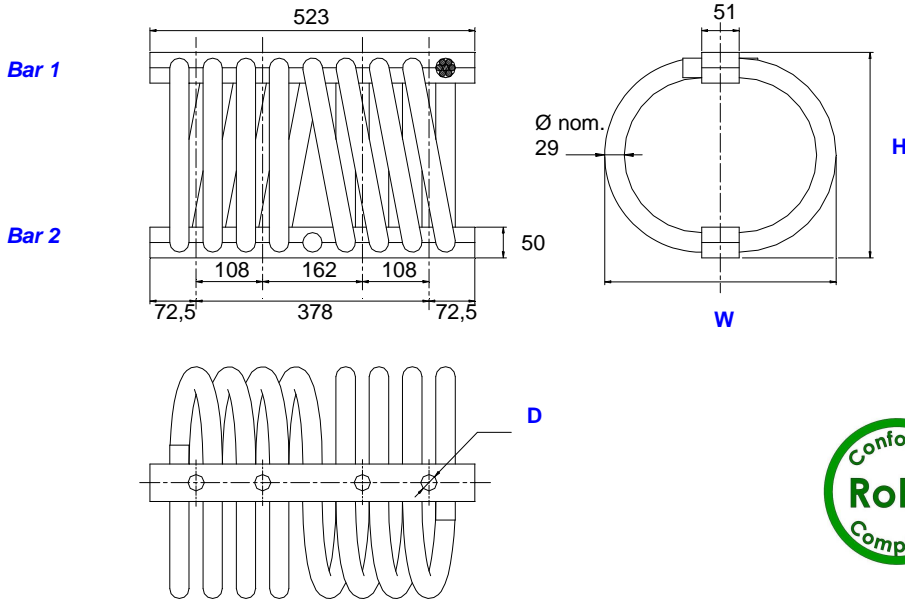


wire rope isolators standard line "Helical"

series CB1900

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

CB1900

Cable :
stainless steel.
(galvanised **CBG1900**)
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)
-10	178	216	21
-12	216	241	24
-15	235	260	25

Interfaces

fixture holes
D

Bar 2

4 through holes
Ø 19 mm

4 through holes
Ø 19 mm
countersunk 90°

4 inserts M18

Bar 1		
4 through holes Ø 19 mm	4 through holes Ø 19 mm countersunk 90°	4 inserts M18
no suffix	not standard	not standard
CM	CM2	not standard
IM	CIM	IM2

Example :
CB1900-12IM2

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

Prefix :
"Helical" mount
from the **CB1900** series

Model : -12
height : 216 mm
width : 241 mm
mass : 24 kg
8 loops

(**Model : -12-06**)
=
=
=
6 loops

Suffix : IM2
4 inserts M18
in bars 1 and 2.

Note : Standard models of this series have 8 loops.

01/07/2013

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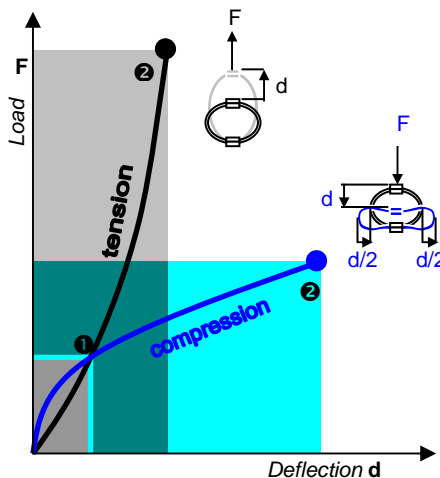
series

CB1900

wire rope isolators

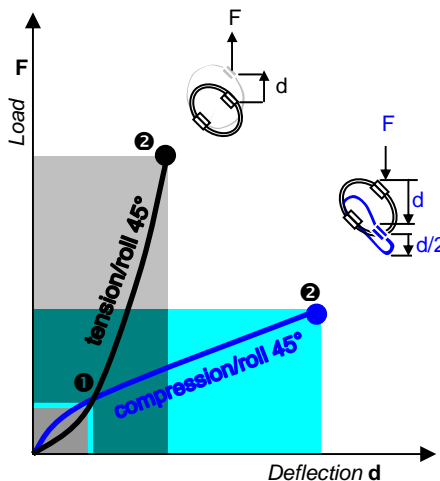
standard line "Helical"

performances*



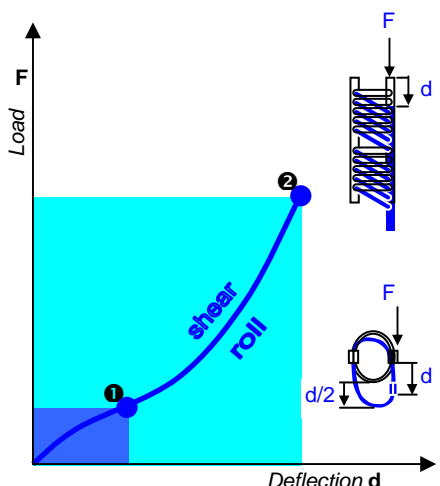
Compression and Tension

CB1900 series	Model	-10	-12	-15					
Max static	F daN	1842	1618	1435					
	1 d mm	12,5	19,0	22,1					
Max shock	F daN	5524	4855	4306					
	2 d mm	68	103	120					
Max vibration	2a mm	7,5	11,3	13,2					
	3 f Hz	4,8	3,6	3,3					
Max static	F daN	1842	1618	1435					
	1 d mm	11,0	13,5	15,4					
Max shock	F daN	18767	13576	11842					
	2 d mm	52	53	60					
Max vibration	2a mm	5,7	5,9	6,6					
	3 f Hz	6,2	5,6	5,2					



Compression/roll 45°-Tension/roll 45°

CB1900 series	Model	-10	-12	-15					
Max static	F daN	1381	1214	1077					
	1 d mm	22,5	34,7	40,0					
Max shock	F daN	3457	2924	2584					
	2 d mm	102	155	180					
Max vibration	2a mm	11,2	17,0	19,8					
	3 f Hz	4,0	3,0	2,7					
Max static	F daN	1381	1214	1077					
	1 d mm	17,1	21,0	24,0					
Max shock	F daN	13909	9890	8612					
	2 d mm	69	71	80					
Max vibration	2a mm	7,6	7,8	8,8					
	3 f Hz	5,4	5,0	4,6					



Shear or roll

CB1900 series	Model	-10	-12	-15					
Max static	F daN	921	809	718					
	1 d mm	23,8	36,0	42,0					
Max shock	F daN	6498	4279	3660					
	2 d mm	77	96	110					
Max vibration	2a mm	8,5	10,6	12,1					
	3 f Hz	4,7	4,0	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.

01/07/2013

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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