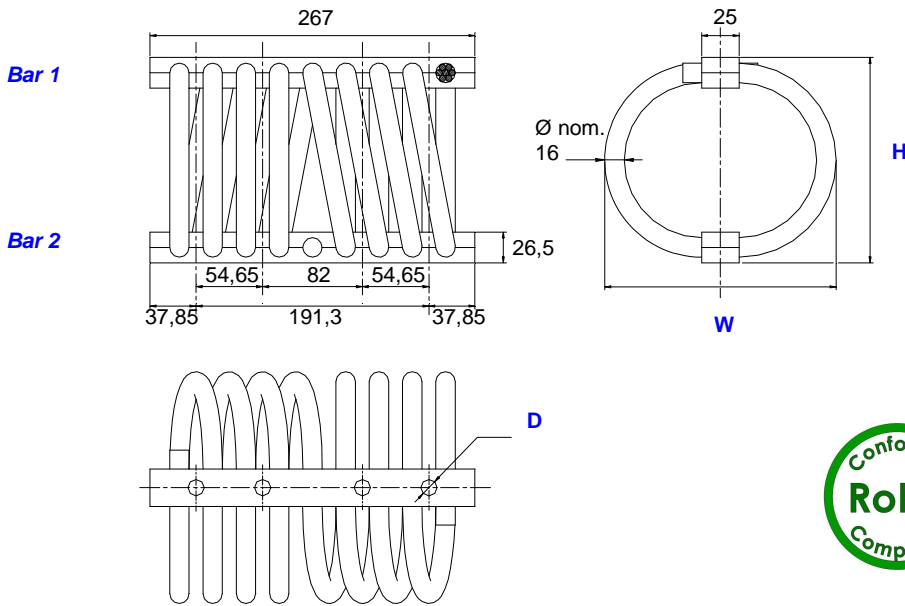


wire rope isolators standard line "Helical"

series CB1500

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

CB1500

Cable :
stainless steel.
(galvanised **CBG1500**)
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	89	102	3,0
-15	96	112	3,2
-17	100	120	3,4
-20	109	135	3,7
-30	119	152	4,0
-40	127	165	4,3
-50	135	178	4,5
-60	146	185	4,8

Interfaces

fixture holes
D

Bar 2

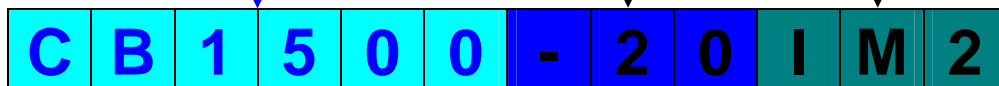
4 through holes
Ø 10,5 mm

4 through holes
Ø 10,5 mm
countersunk 90°

4 inserts M10

Bar 1		
4 through holes Ø 10,5 mm	4 through holes Ø 10,5 mm countersunk 90°	4 inserts M10
no suffix	not standard	not standard
CM	CM2	not standard
IM	CIM	IM2

Example :
CB1500-20IM2



Prefix :
"Helical" mount
from the **CB1500** series

Model : -20
height : 109 mm
width : 135 mm
mass : 3,7 kg
8 loops

(**Model : -20-06**)
=
=
=
6 loops

Suffix : IM2
4 inserts M10
in bars 1 and 2.

Note : Standard models of this series have 8 loops.

01/07/2013

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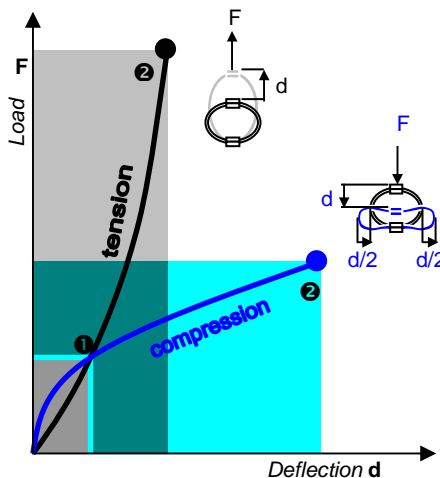
series

CB1500

wire rope isolators

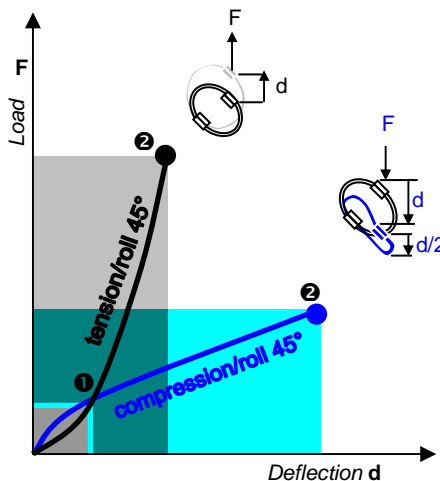
standard line "Helical"

performances*



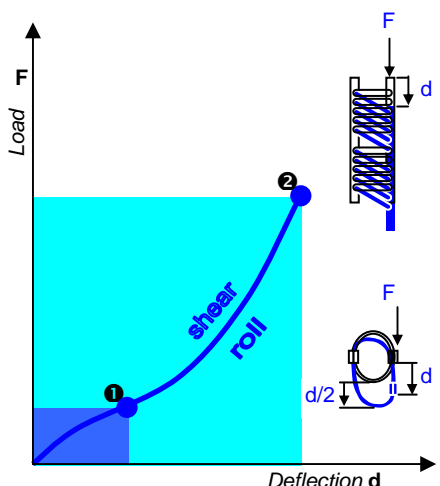
Compression and Tension

CB1500 series	Model	-12	-15	-17	-20	-30	-40	-50	-60
Max static	F daN	846	731	640	518	421	367	323	312
	d mm	5,9	7,2	7,7	9,2	10,9	12,4	13,7	15,5
Max shock	F daN	2539	2194	1919	1553	1263	1100	970	935
	d mm	32	39	42	50	59	67	74	84
Max vibration	2a mm	3,5	4,3	4,6	5,5	6,5	7,4	8,1	9,2
	f Hz	6,7	6,1	6,0	5,5	5,1	4,8	4,6	4,3
Max static	F daN	846	731	640	518	421	367	323	312
	d mm	4,6	5,7	6,5	8,0	9,8	11,3	12,7	13,4
Max shock	F daN	7617	6667	6168	5218	4397	3891	3501	3122
	d mm	19	24	29	37	47	55	62	62
Max vibration	2a mm	2,1	2,6	3,2	4,1	5,1	6,0	6,9	6,8
	f Hz	9,6	8,6	8,1	7,2	6,5	6,1	5,7	5,6



Compression/roll 45°-Tension/roll 45°

CB1500 series	Model	-12	-15	-17	-20	-30	-40	-50	-60
Max static	F daN	635	549	480	388	316	275	243	234
	d mm	9,9	12,3	13,3	16,1	19,3	22,1	24,6	28,2
Max shock	F daN	1552	1344	1189	970	794	693	614	583
	d mm	48	59	63	75	89	101	111	126
Max vibration	2a mm	5,3	6,4	6,9	8,3	9,7	11,1	12,2	13,9
	f Hz	5,6	5,1	5,0	4,6	4,3	4,0	3,9	3,5
Max static	F daN	635	549	480	388	316	275	243	234
	d mm	7,1	8,8	10,0	12,4	15,2	17,4	19,6	20,8
Max shock	F daN	5586	4895	4551	3864	3265	2893	2607	2310
	d mm	26	32	38	50	62	73	83	82
Max vibration	2a mm	2,8	3,5	4,2	5,5	6,9	8,0	9,2	9,1
	f Hz	8,5	7,6	7,1	6,4	5,7	5,3	5,0	4,9



Shear or roll

CB1500 series	Model	-12	-15	-17	-20	-30	-40	-50	-60
Max static	F daN	423	366	320	259	210	183	162	156
	d mm	11,2	13,6	14,7	17,5	20,6	23,4	25,9	29,4
Max shock	F daN	2666	2251	2083	1714	1402	1225	1091	963
	d mm	32	40	45	56	69	79	89	94
Max vibration	2a mm	3,5	4,3	5,0	6,2	7,5	8,7	9,8	10,3
	f Hz	7,1	6,4	6,0	5,4	4,9	4,6	4,3	4,2

- 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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