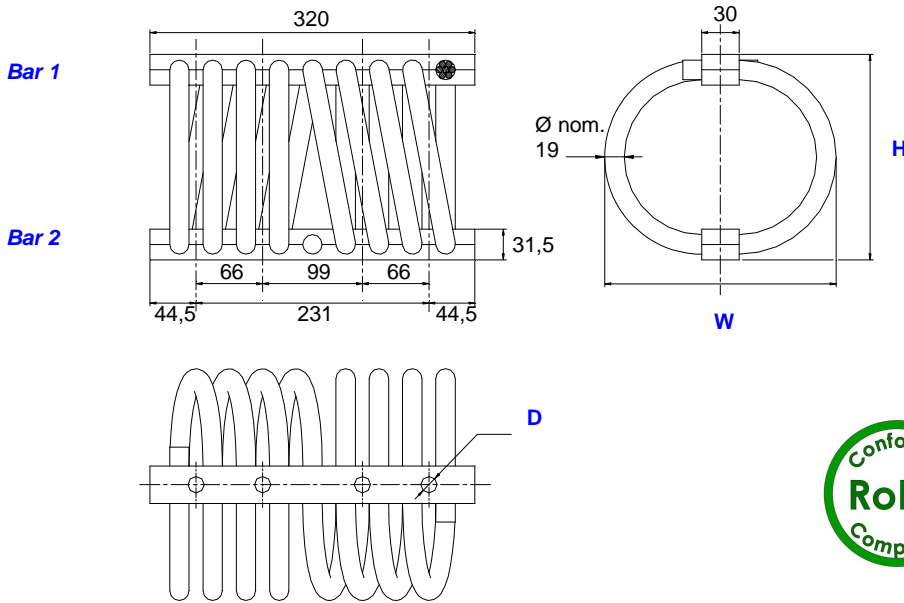


wire rope isolators standard line "Helical"

series CB1600

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

CB1600

Cable :
stainless steel.
(galvanised **CBG1600**)
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)
-15	98	115	5,1
-17	104	125	5,4
-20	110	135	5,8
-25	117	145	6,2
-30	125	160	6,6
-40	135	175	7,0
-50	145	185	7,1
-60	160	200	7,5
-70	175	215	7,9

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 :
CB1600-20IM2

C B 1 6 0 0 - 2 0 I M 2

Prefix :
"Helical" mount
from the **CB1600** series

Model : -20
height : 110 mm
width : 135 mm
mass : 5,8 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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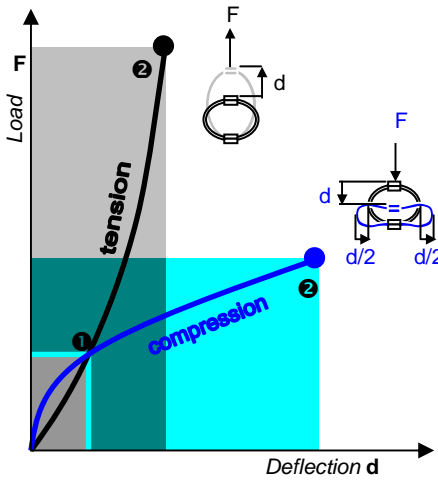
series

CB1600

wire rope isolators

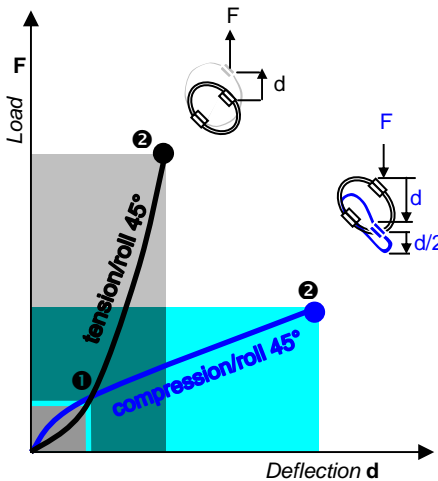
standard line "Helical"

performances*



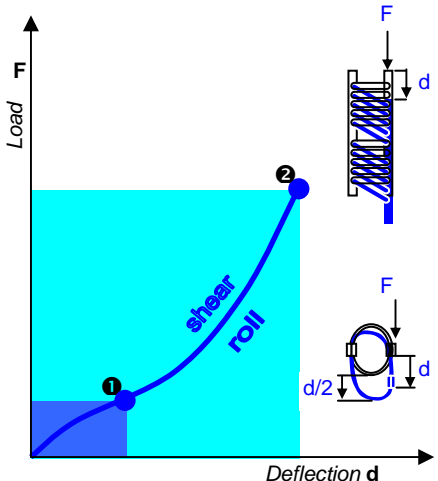
Compression and Tension

CB1600 series	Model	-15	-17	-20	-25	-30	-40	-50	-60	-70
Max static	F daN	1151	997	865	766	640	551	510	457	412
	d mm	6,1	7,2	8,1	9,2	10,7	12,4	14,0	16,4	19,0
Max shock	F daN	3453	2992	2596	2297	1919	1654	1531	1371	1235
	d mm	33	39	44	50	58	67	76	89	103
Max vibration	2a mm	3,6	4,3	4,8	5,5	6,4	7,4	8,4	9,8	11,3
	f Hz	6,7	6,2	5,9	5,5	5,2	4,8	4,5	4,1	3,8
Max static	F daN	1151	997	865	766	640	551	510	457	412
	d mm	5,0	6,0	7,0	8,0	9,7	11,3	12,4	13,9	15,6
Max shock	F daN	10830	9665	8673	7719	6751	5887	5228	4482	3902
	d mm	22	27	32	37	47	55	58	63	68
Max vibration	2a mm	2,4	3,0	3,6	4,1	5,1	6,1	6,4	6,9	7,5
	f Hz	9,2	8,3	7,7	7,2	6,5	6,0	5,8	5,5	5,2



Compression/roll 45°-Tension/roll 45°

CB1600 series	Model	-15	-17	-20	-25	-30	-40	-50	-60	-70
Max static	F daN	863	748	649	574	480	413	383	343	309
	d mm	10,3	12,3	14,0	16,1	18,9	22,1	25,3	30,1	35,2
Max shock	F daN	2129	1855	1620	1435	1208	1043	959	852	762
	d mm	50	59	66	75	87	101	114	134	155
Max vibration	2a mm	5,4	6,4	7,3	8,3	9,6	11,1	12,5	14,7	17,0
	f Hz	5,6	5,2	4,9	4,6	4,3	4,0	3,8	3,4	3,1
Max static	F daN	863	748	649	574	480	413	383	343	309
	d mm	7,7	9,4	10,9	12,4	15,0	17,5	19,2	21,6	24,2
Max shock	F daN	7973	7134	6419	5715	5017	4379	3876	3312	2875
	d mm	29	36	43	50	62	74	78	84	91
Max vibration	2a mm	3,2	4,0	4,8	5,5	6,9	8,1	8,5	9,2	10,0
	f Hz	8,1	7,4	6,8	6,4	5,8	5,3	5,1	4,8	4,6



Shear or roll

CB1600 series	Model	-15	-17	-20	-25	-30	-40	-50	-60	-70
Max static	F daN	576	499	433	383	320	276	255	229	206
	d mm	11,5	13,6	15,4	17,5	20,3	23,4	26,6	31,1	36,0
Max shock	F daN	3880	3348	2963	2564	2194	1885	1642	1391	1189
	d mm	35	42	49	56	68	80	87	97	109
Max vibration	2a mm	3,8	4,6	5,4	6,2	7,5	8,7	9,5	10,7	11,9
	f Hz	6,9	6,3	5,8	5,4	5,0	4,6	4,3	4,1	3,8

- ① Max static load (F) with corresponding deflection (d)
- ② Max shock load (F) with corresponding deflection (d)
- ⓔ 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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