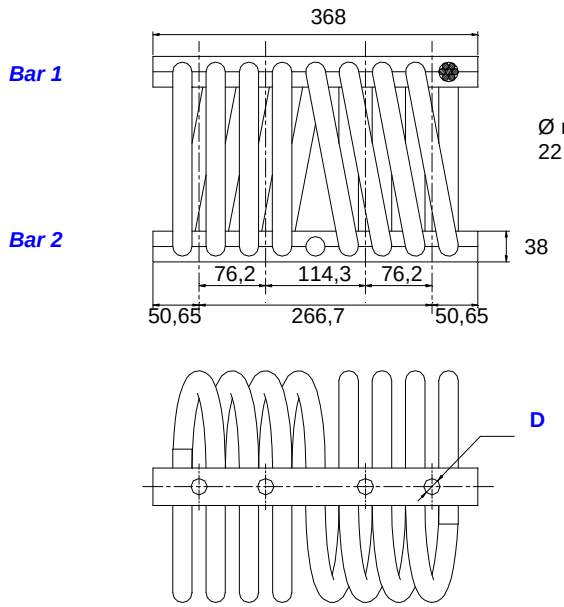
wire rope isolators *series*

standard line "Helical" CB1700

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

CB1700

Cable :
stainless steel.
*(galvanised **CBG1700**)*
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	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 \ **Bar 1**	4 through holes ∅ 13,4 mm	4 through holes ∅ 13,4 mm countersunk 90°	4 inserts M12
4 through holes ∅ 13,4 mm	no suffix	*not standard*	*not standard*
4 through holes ∅ 13,4 mm countersunk 90°	**CM**	**CM2**	*not standard*
4 inserts M12	**IM**	**CIM**	**IM2**

Example :
CB1700-15IM2

C B 1 7 0 0 - 1 5 I M 2

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.

01/07/2013

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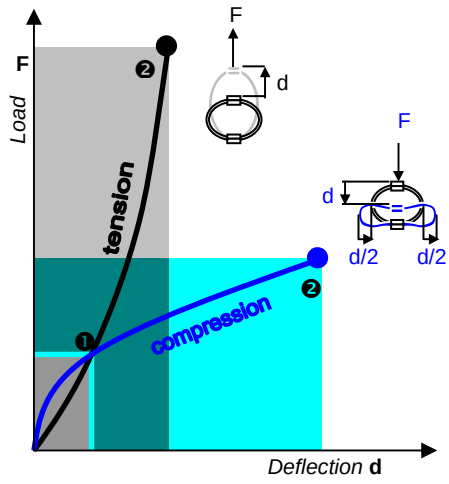
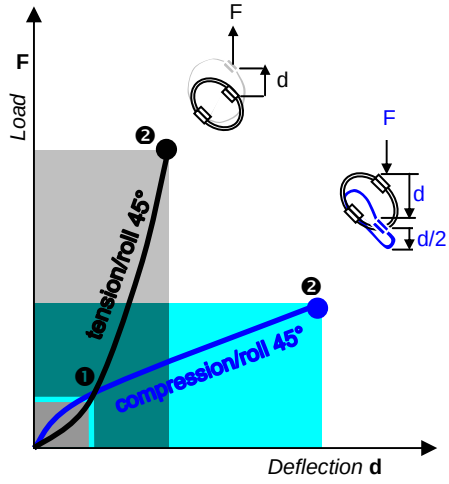
series CB1700

wire rope isolators
standard line "Helical"
*performances**



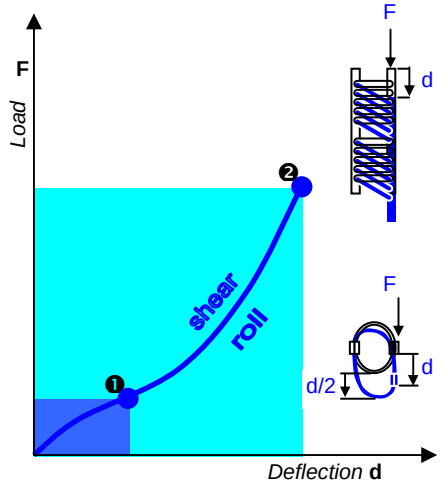
Compression and Tension

CB1700 series	Model			-15	-17	-20	-30	-40				
Max static	**F**	daN		1528	1176	1045	804	672				
❶	**d**	mm		8,4	12,0	13,5	18,5	22,2				
Max shock	**F**	daN		4585	3527	3134	2411	2016				
❷	**d**	mm		50	67	73	101	124				
Max vibration	**2a**	mm		5,5	7,4	8,0	11,1	13,6				
❸	**f**	Hz		4,9	4,4	4,3	3,6	3,2				
Max static	**F**	daN		1528	1176	1045	804	672				
❶	**d**	mm		5,6	8,2	9,6	12,7	15,2				
Max shock	**F**	daN		11554	9398	8758	6553	5365				
❷	**d**	mm		20	31	38	49	58				
Max vibration	**2a**	mm		2,2	3,4	4,2	5,4	6,3				
❸	**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				
❶	**d**	mm		15,5	21,8	24,3	33,4	40,3				
Max shock	**F**	daN		2696	2102	1887	1443	1201				
❷	**d**	mm		75	101	110	152	186				
Max vibration	**2a**	mm		8,3	11,1	12,0	16,7	20,5				
❸	**f**	Hz		4,0	3,6	3,5	3,0	2,6				
Max static	**F**	daN		1146	882	784	603	504				
❶	**d**	mm		8,8	12,8	14,9	19,9	23,7				
Max shock	**F**	daN		8326	6813	6380	4760	3889				
❷	**d**	mm		27	42	50	66	77				
Max vibration	**2a**	mm		3,0	4,6	5,5	7,2	8,4				
❸	**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				
❶	**d**	mm		17,5	23,4	25,5	35,3	43,4				
Max shock	**F**	daN		3741	2984	2786	1997	1592				
❷	**d**	mm		42	60	68	92	110				
Max vibration	**2a**	mm		4,6	6,5	7,5	10,1	12,1				
❸	**f**	Hz		6,0	5,1	4,8	4,1	3,7				

❶ Max static load (**F**) with corresponding deflection (**d**)
❷ Max shock load (**F**) with corresponding deflection (**d**)
❸ Uncoupled resonant frequency (**f**) under max static loading ❶ 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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