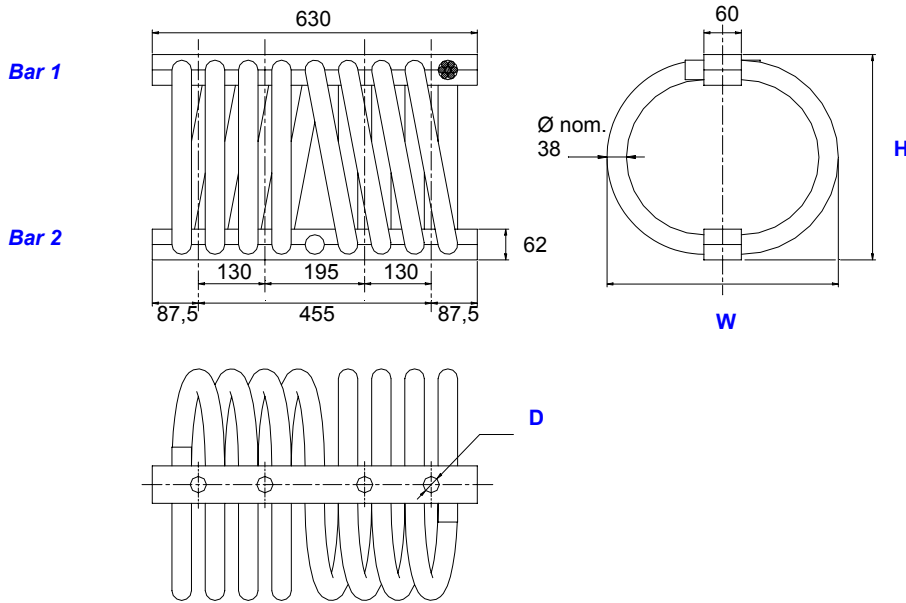


wire rope isolators standard line "Helical"

series CB2100

definition



Dimensions are in mm.

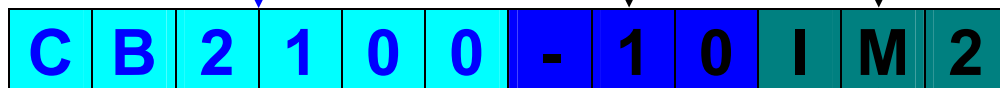
Dimensions for reference only.

- 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	Model	Interfaces					
		Bar 1					
Materials and finishes CB2100 Cable : stainless steel. (galvanised CBG2100) Retainer bars : Aluminium alloy/alodine. Screws : Alloy steel/zinc plate. (Inserts : stainless steel.) Other materials on request.	height H (mm)	width W (mm)	mass (kg)	fixture holes D	4 through holes Ø 21 mm	4 through holes Ø 21 mm countersunk 90°	4 inserts M20
	-10	195	250	32			
	-12	230	280	35			
					Bar 2		
				4 through holes Ø 21 mm	no suffix	not standard	not standard
				4 through holes Ø 21 mm countersunk 90°	CM	CM2	not standard
				4 inserts M20	IM	CIM	IM2

Example :
CB2100-10IM2



Prefix :
"Helical" mount
from the **CB2100** series

Model : -10
height : 195 mm
width : 250 mm
mass : 32 kg
8 loops

(**Model : -10-06**)
=
=
=
6 loops

Suffix : IM2
4 inserts M20
in bars 1 and 2.

Note : Standard models of this series have 8 loops.

01/05/2005

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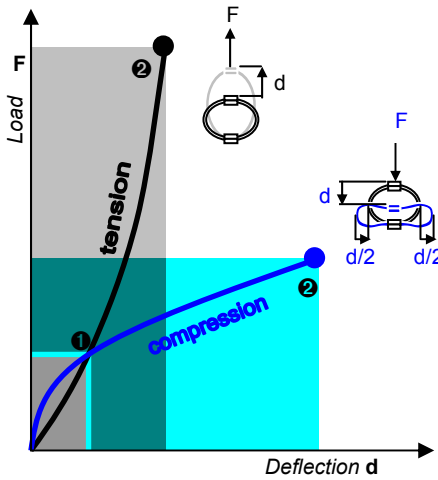
series

CB2100

wire rope isolators

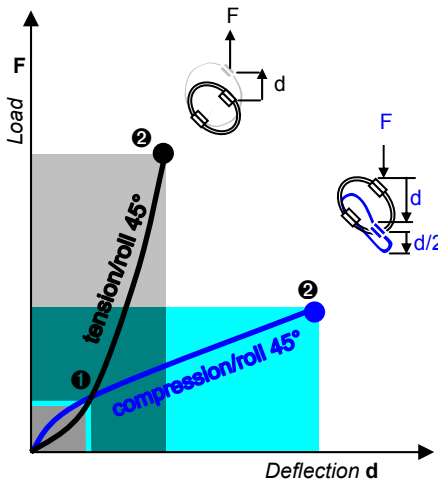
standard line "Helical"

performances*



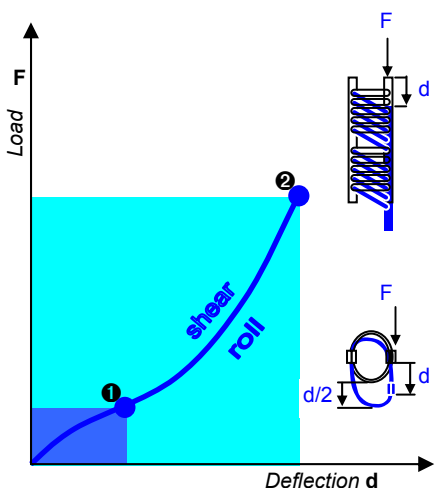
Compression and Tension

CB2100 series	Model	-10	-12						
Max static	F daN	3847	3411						
	d mm	11,6	17,5						
Max shock	F daN	11540	10233						
	d mm	63	95						
Max vibration	2a mm	6,9	10,5						
	f Hz	5,1	4,0						
Max static	F daN	3847	3411						
	d mm	11,6	15,0						
Max shock	F daN	45609	33770						
	d mm	62	68						
Max vibration	2a mm	6,8	7,5						
	f Hz	5,9	5,3						



Compression/roll 45°-Tension/roll 45°

CB2100 series	Model	-10	-12						
Max static	F daN	2885	2558						
	d mm	20,7	32,3						
Max shock	F daN	7405	6370						
	d mm	95	143						
Max vibration	2a mm	10,4	15,7						
	f Hz	4,3	3,3						
Max static	F daN	2885	2558						
	d mm	17,9	23,3						
Max shock	F daN	34179	24969						
	d mm	82	91						
Max vibration	2a mm	9,1	10,0						
	f Hz	5,2	4,7						



Shear or roll

CB2100 series	Model	-10	-12						
Max static	F daN	1923	1706						
	d mm	21,7	33,2						
Max shock	F daN	16602	11420						
	d mm	83	105						
Max vibration	2a mm	9,1	11,5						
	f Hz	4,6	4,0						

- 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.

01/05/2005

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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