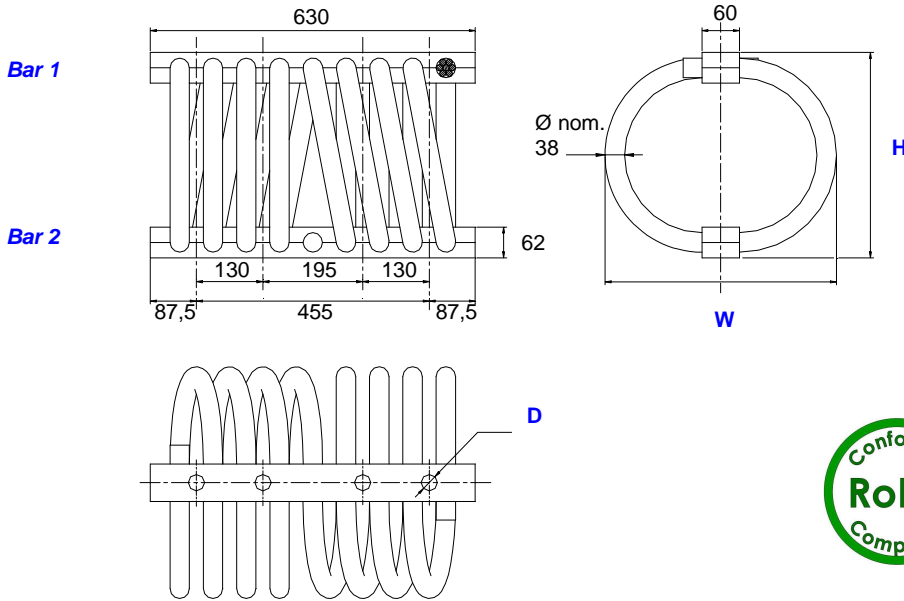


# wire rope isolators standard line "Helical"

## series CB2100

### 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

#### CB2100

**Cable :**  
stainless steel.  
(galvanised **CBG2100**)  
**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)
<b>-10</b>	195	250	32
<b>-12</b>	230	280	35
<b>-15</b>	260	320	45

#### Interfaces

fixture holes  
D

#### Bar 2

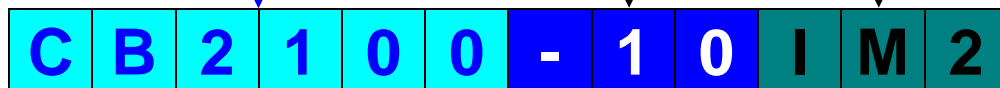
4 through holes  
Ø 21 mm

4 through holes  
Ø 21 mm  
countersunk 90°

4 inserts M20

Bar 1	Bar 1	Bar 1
4 through holes Ø 21 mm	4 through holes Ø 21 mm countersunk 90°	4 inserts M20
no suffix	not standard	not standard
CM	CM2	not standard
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.

01/12/2016

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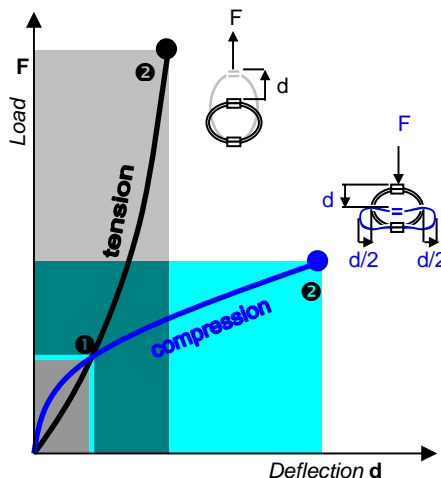
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# series CB2100

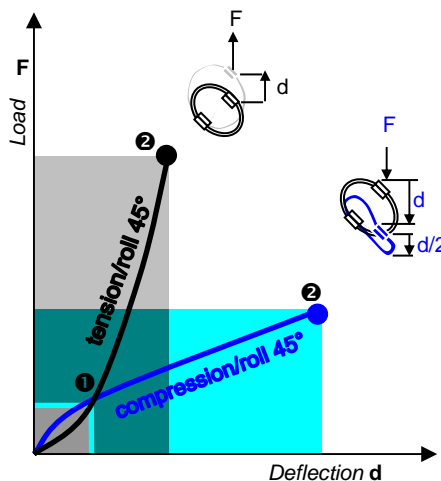
# wire rope isolators standard line "Helical"

performances\*



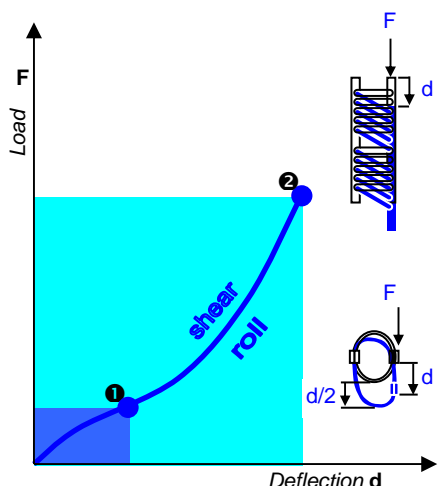
## Compression and Tension

CB2100 series	Model	-10	-12	-15						
Max static	F daN	3519	2936	2238						
	① d mm	11,8	17,6	22,6						
Max shock	F daN	10557	8807	6714						
	② d mm	64	96	122						
Max vibration	2a mm	7,0	10,5	13,5						
	③ f Hz	5,1	4,0	3,5						
Max static	F daN	3519	2936	2238						
	① d mm	11,8	15,4	19,6						
Max shock	F daN	48175	33733	25579						
	② d mm	68	75	95						
Max vibration	2a mm	7,4	8,3	10,5						
	③ f Hz	5,8	5,2	4,6						



## Compression/roll 45°-Tension/roll 45°

CB2100 series	Model	-10	-12	-15						
Max static	F -10	2639	2202	1678						
	① d mm	16,6	24,8	31,8						
Max shock	F daN	6792	5504	4192						
	② d mm	96	143	184						
Max vibration	2a mm	10,6	15,8	20,2						
	③ f Hz	4,3	3,4	3,0						
Max static	F daN	2639	2202	1678						
	① d mm	16,6	23,9	30,4						
Max shock	F daN	23880	16509	12513						
	② d mm	78	86	109						
Max vibration	2a mm	8,5	9,5	12,0						
	③ f Hz	5,2	4,7	4,2						



## Shear or roll

CB2100 series	Model	-10	-12	-15						
Max static	F daN	1760	1468	1119						
	① d mm	22,2	33,4	42,8						
Max shock	F daN	13511	8990	6574						
	② d mm	81	102	129						
Max vibration	2a mm	8,9	11,2	14,2						
	③ f Hz	4,6	4,0	3,5						

- 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.

01/12/2016

## 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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