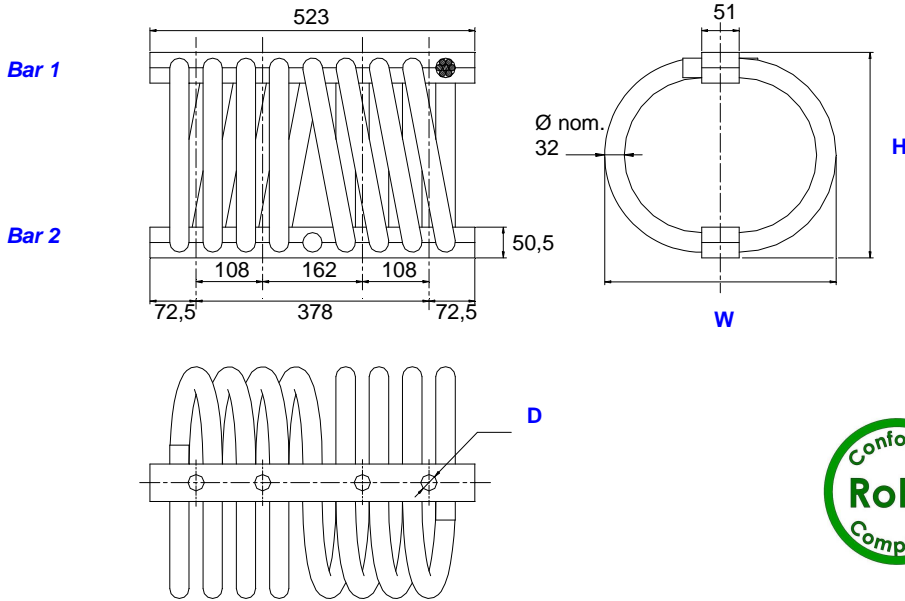


# wire rope isolators standard line "Helical"

## series CB2000

### 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.).

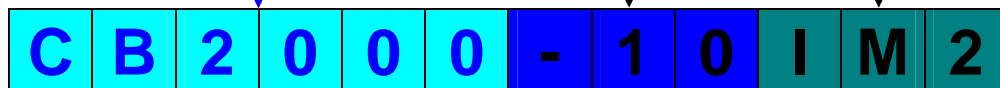


Series
Materials and finishes
<b>CB2000</b>
<b>Cable :</b> stainless steel. (galvanised <b>CBG2000</b> )
<b>Retainer bars :</b> Aluminium alloy/Surtec 650
<b>Screws :</b> Alloy steel/zinc plate. (Inserts : stainless steel.)
<i>Other materials on request.</i>

Model	height H (mm)	width W (mm)	mass (kg)
<b>-10</b>	178	210	24
<b>-12</b>	216	248	27
<b>-15</b>	235	270	28

Interfaces	Bar 1		
	fixture holes D	4 through holes Ø 19 mm	4 through holes Ø 19 mm countersunk 90°
<b>Bar 2</b>	4 through holes Ø 19 mm	4 through holes Ø 19 mm countersunk 90°	4 inserts M18
4 through holes Ø 19 mm	no suffix	not standard	not standard
4 through holes Ø 19 mm countersunk 90°	CM	CM2	not standard
4 inserts M18	IM	CIM	IM2

Example :  
CB2000-10IM2



**Prefix :**  
"Helical" mount  
from the **CB2000** series

**Model : -10**  
height : 178 mm  
width : 210 mm  
mass : 24 kg  
8 loops

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

**Suffix : IM2**  
4 inserts M18  
in bars 1 and 2.

Note : Standard models of this series have 8 loops.

01/07/2013

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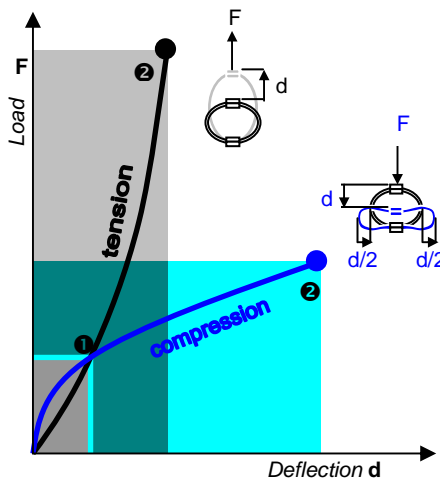
series

**CB2000**

wire rope isolators

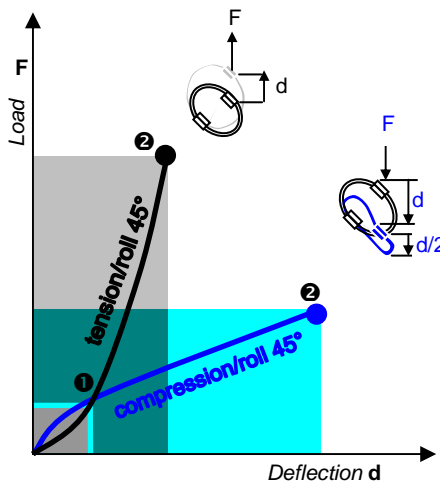
standard line "Helical"

performances\*



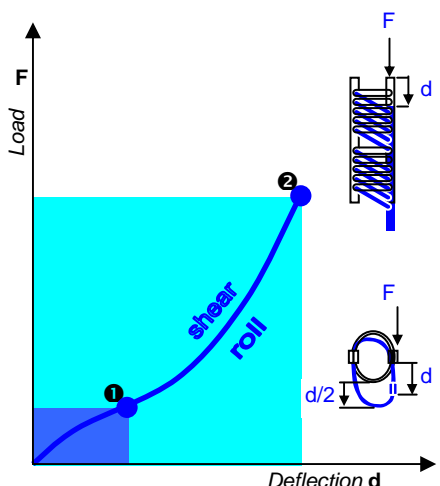
**Compression and Tension**

CB2000 series	Model	-10	-12	-15						
Max static	F daN	3024	2331	2023						
	1 d mm	12,5	19,0	22,1						
Max shock	F daN	9072	6994	6069						
	2 d mm	68	103	120						
Max vibration	2a mm	7,5	11,3	13,2						
	3 f Hz	4,6	3,7	3,4						
Max static	F daN	3024	2331	2023						
	1 d mm	10,0	14,0	16,2						
Max shock	F daN	28017	20065	17372						
	2 d mm	43	56	65						
Max vibration	2a mm	4,8	6,2	7,2						
	3 f Hz	6,5	5,5	5,1						



**Compression/roll 45°-Tension/roll 45°**

CB2000 series	Model	-10	-12	-15						
Max static	F daN	2268	1749	1517						
	1 d mm	22,5	35,2	41,1						
Max shock	F daN	5576	4235	3673						
	2 d mm	102	155	180						
Max vibration	2a mm	11,2	17,0	19,8						
	3 f Hz	3,8	3,0	2,8						
Max static	F daN	2268	1749	1517						
	1 d mm	15,6	21,7	25,3						
Max shock	F daN	20599	14654	12684						
	2 d mm	58	75	87						
Max vibration	2a mm	6,3	8,3	9,6						
	3 f Hz	5,7	4,9	4,5						



**Shear or roll**

CB2000 series	Model	-10	-12	-15						
Max static	F daN	1512	1166	1012						
	1 d mm	23,8	36,0	42,0						
Max shock	F daN	9606	6383	5402						
	2 d mm	70	99	115						
Max vibration	2a mm	7,7	10,8	12,6						
	3 f Hz	4,8	4,0	3,7						

- 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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