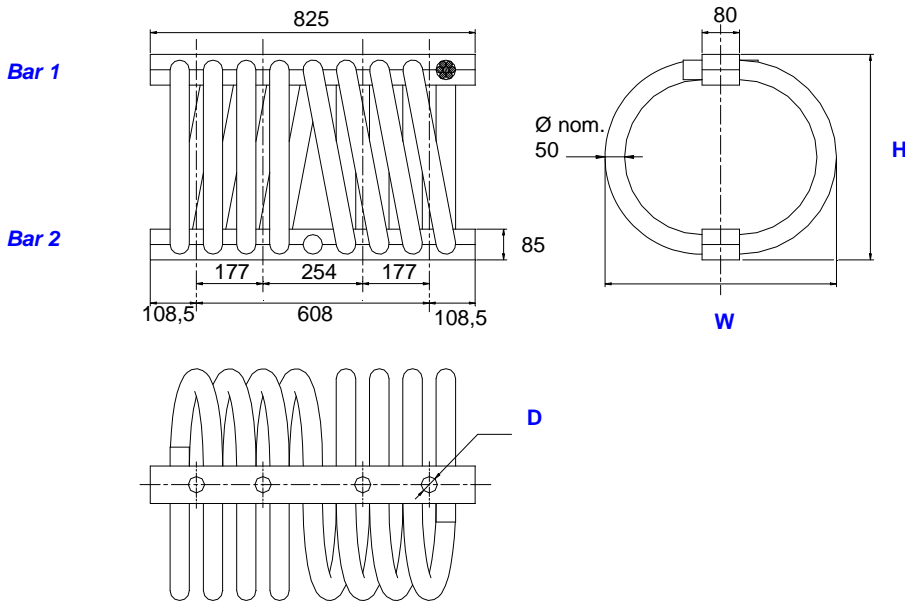


# wire rope isolators standard line "Helical"

## series CB2300

### 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

#### CB2300

**Cable :**  
stainless steel.  
(galvanised **CBG2300**)  
**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>-12</b>	262	330	72
<b>-15</b>	289	360	78
<b>-17</b>	320	395	85
<b>-20</b>	356	434	93
<b>-30</b>	397	480	102

### Interfaces

fixture holes  
D

#### Bar 2

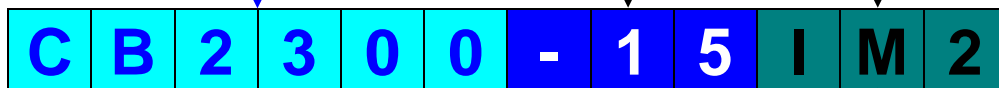
4 through holes  
Ø 39 mm

4 through holes  
Ø 39 mm  
countersunk 90°

4 inserts M36

Bar 1	Bar 1	Bar 1
4 through holes Ø 39 mm	4 through holes Ø 39 mm countersunk 90°	4 inserts M36
no suffix	not standard	not standard
<b>CM</b>	<b>CM2</b>	not standard
<b>IM</b>	<b>CIM</b>	<b>IM2</b>

**Example :**  
CB2300-15IM2



**Prefix :**  
"Helical" mount  
from the **CB2300** series

**Model : -15**  
height : 289 mm  
width : 360 mm  
mass : 117 kg  
8 loops

( **Model : -15-06** )  
=  
=  
=  
6 loops

**Suffix : IM2**  
4 inserts M36  
in bars 1 and 2.

Note : Standard models of this series have 8 loops.

05/12/2016

Socitec  
BP 33, 78501 Sartrouville cedex - France  
Telephone : +33 (0)1 61 04 60 00  
Fax : +33 (0)1 39 14 03 27  
http://www.socitec.com  
e-mail : shock-intl@socitec.com

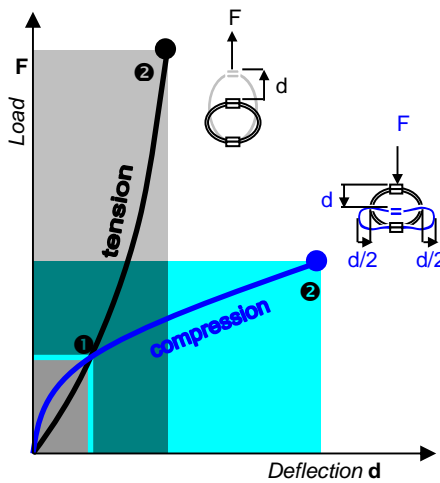
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# series CB2300

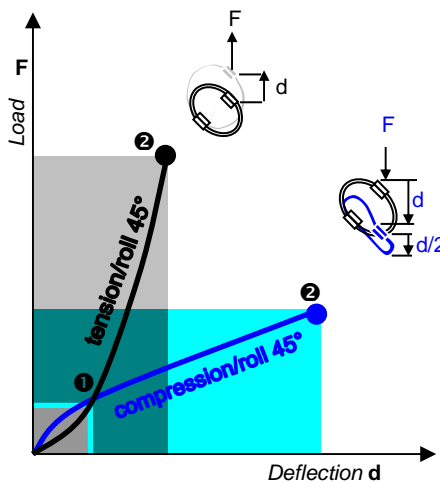
# wire rope isolators standard line "Helical"

performances\*



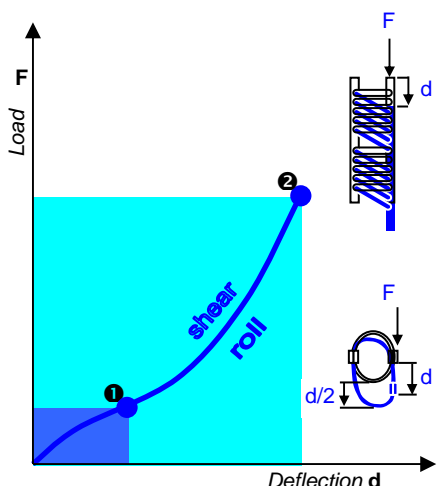
## Compression and Tension

CB2300 series	Model	-12	-15	-17	-20	-30			
Max static	F daN	7704	6543	5462	4536	3720			
	1 d mm	16,3	20,8	25,4	33,0	38,1			
Max shock	F daN	23112	19630	16387	13608	11340			
	2 d mm	89	112	140	173	211			
Max vibration	2a mm	9,7	12,4	15,5	19,1	23,1			
	3 f Hz	4,3	3,7	3,3	3,0	2,7			
Max static	F daN	7704	6543	5462	4536	3720			
	1 d mm	15,5	18,8	22,6	27,9	30,5			
Max shock	F daN	98276	78547	62776	49895	39916			
	2 d mm	84	97	112	127	145			
Max vibration	2a mm	9,1	10,4	12,2	14,0	16,0			
	3 f Hz	5,1	4,6	4,3	3,9	3,6			



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

CB2300 series	Model	-12	-15	-17	-20	-30			
Max static	F daN	5778	4907	4097	3402	2812			
	1 d mm	22,9	30,5	35,6	45,7	53,3			
Max shock	F daN	14705	12363	10242	8618	6804			
	2 d mm	132	168	211	254	305			
Max vibration	2a mm	14,5	18,5	23,1	27,9	35,6			
	3 f Hz	3,6	3,2	2,8	2,5	2,3			
Max static	F daN	5778	4907	4097	3402	2812			
	1 d mm	22,9	30,5	35,6	40,6	48,3			
Max shock	F daN	48479	38573	30723	24494	19505			
	2 d mm	94	109	127	145	168			
Max vibration	2a mm	10,4	11,9	14,0	15,7	18,3			
	3 f Hz	4,6	4,2	3,9	3,6	3,3			



## Shear or roll

CB2300 series	Model	-12	-15	-17	-20	-30			
Max static	F daN	3852	3272	2731	2268	1860			
	1 d mm	30,5	38,1	48,3	61,0	73,7			
Max shock	F daN	27622	21259	16458	12700	9980			
	2 d mm	104	124	150	178	208			
Max vibration	2a mm	11,4	13,7	16,5	19,3	22,9			
	3 f Hz	4,0	3,6	3,3	3,0	2,7			

- 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.

05/12/2016

## 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.

Socitec  
BP 33, 78501 Sartrouville cedex - France  
Telephone : +33 (0)1 61 04 60 00  
Fax : +33 (0)1 39 14 03 27  
<http://www.socitec.com>  
e-mail : [shock-intl@socitec.com](mailto:shock-intl@socitec.com)

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