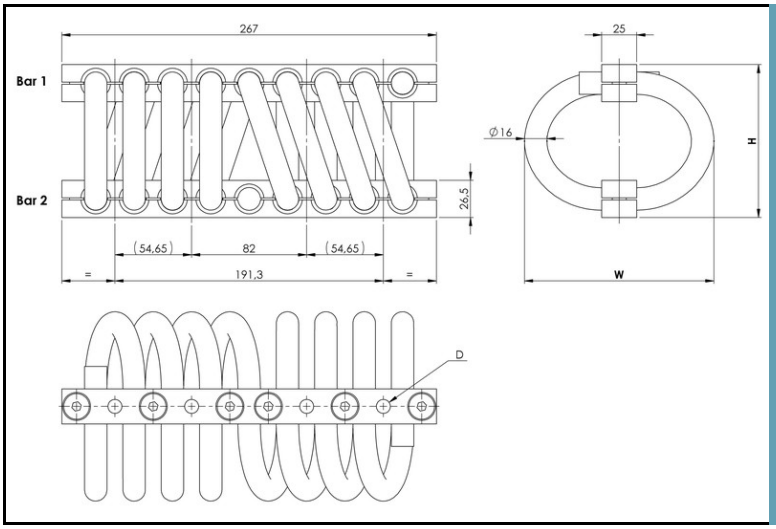
WIRE ROPE ISOLATORS: 'HELICAL'

DEFINITION
series CB1500



- All metal multidirectional anti-vibration/shock mounts
- Exceptional reliability and long life
- High damping
- No aging
- Corrosion resistant
- Unequalled temperature range : -180°C to +300°C / -290F to 570 F
- Great adaptability/versatility

Specials on request
(material size and number of loops, etc.)

Dimensions are in milimeters. For reference only

SERIES

Materials and finishes
(meets RoHS requirements)

CB1500

Cable:
stainless steel
galvanized available: CBG

Retainer bars:
aluminium alloy/
SurTec

Screws:
alloy steel/ zinc plate

Inserts:
stainless steel

All stainless steel: CBSS

Other materials on request

MODEL

	height H (mm)	width W (mm)	weight (kg)
-12	89	102	2,7
-15	96	112	2,9
-17	100	120	3,1
-20	109	135	3,4
-30	119	152	3,8
-40	127	165	4,1
-50	135	178	4,3
-60	146	185	4,6

INTERFACES

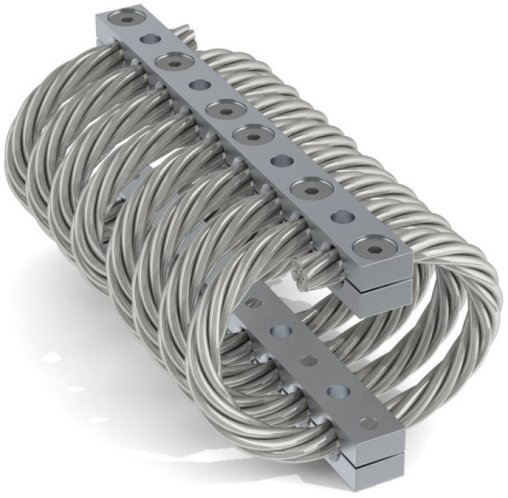
fixtures holes D	Bar 1		
Bar 2	4 through holes ø10,8mm	4 through holes ø10,8mm counter-sunk 90°	4 inserts M10
4 through holes ø10,8mm	no suffix	not standard	not standard
4 through holes ø10,8mm counter-sunk 90°	CM	CM2	not standard
4 inserts M10	IM	CIM	IM2

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

SERIE: CB1500
'Helical' mount from the CB1500 series

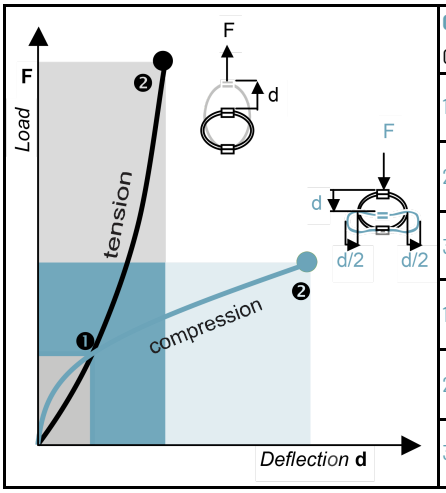
MODEL: -12
height: 89mm
width: 102mm
weight: 2,7kg
loops: serie
standard is 08 loops

INTERFACE: CIM
4 through holes ø10,8mm counter-sunk 90° in bar 1,
4 inserts M10 in bar 2



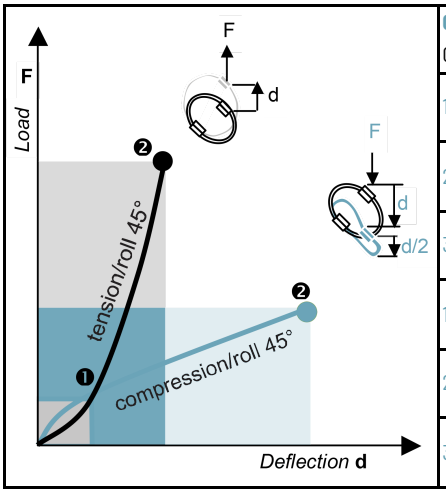
SOCITEC

WIRE ROPE ISOLATORS: 'HELICAL'



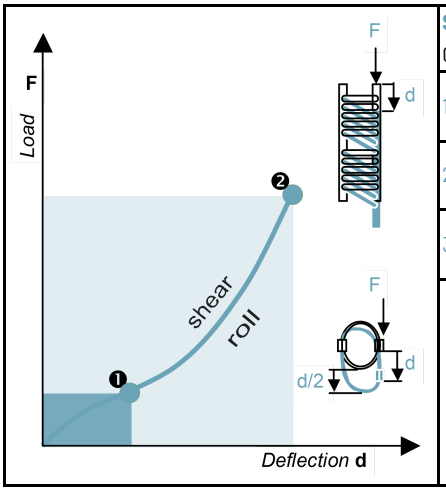
COMPRESSION AND TENSION

CB1500 Series	Model	-12	-15	-17	-20	-30	-40	-50	-60
1.Max Static	F daN	801	662	566	440	344	291	250	236
	d mm	6	7,1	7,8	9,3	11	12,3	13,6	15,4
2.Max Shock	F daN	2405	1986	1698	1320	1032	874	752	710
	d mm	32	38	42	50	59	66	73	83
3.Max Vibration	2a mm	3,6	4,3	4,6	5,5	6,5	7,3	8,1	9,2
	f Hz	6,7	6,2	6	5,5	5,1	4,9	4,6	4,3
1.Max Static	F daN	801	662	566	440	344	291	250	236
	d mm	4,7	5,8	6,6	8,2	10	11,4	12,8	13,6
2.Max Shock	F daN	8350	7030	6296	5105	4150	3583	3131	2733
	d mm	21	26	31	40	50	59	67	66
3.Max Vibration	2a mm	2,3	2,9	3,4	4,4	5,6	6,5	7,4	7,3
	f Hz	9,4	8,5	7,9	7,1	6,4	6	5,6	5,5



COMPRESSION/ROLL 45° - TENSION/ROLL 45°

CB1500 Series	Model	-12	-15	-17	-20	-30	-40	-50	-60
1.Max Static	F daN	601	496	424	330	258	218	188	177
	d mm	9	10,9	12,2	14,9	17,9	20,2	22,6	24,7
2.Max Shock	F daN	1583	1312	1131	886	697	592	510	476
	d mm	48	58	63	75	89	99	110	125
3.Max Vibration	2a mm	5,4	6,4	7	8,3	9,8	11	12,2	13,8
	f Hz	5,7	5,2	5	4,6	4,3	4,1	3,9	3,6
1.Max Static	F daN	601	496	424	330	258	218	188	177
	d mm	6,2	7,6	8,7	10,7	13,1	14,9	16,7	17,8
2.Max Shock	F daN	4161	3507	3149	2559	2085	1802	1576	1370
	d mm	24	30	35	46	58	67	76	76
3.Max Vibration	2a mm	2,7	3,3	3,9	5,1	6,4	7,4	8,4	8,4
	f Hz	8,4	7,6	7	6,3	5,7	5,3	5	4,9



SHEAR OR ROLL

CB1500 Series	Model	-12	-15	-17	-20	-30	-40	-50	-60
1.Max Static	F daN	400	331	283	220	172	145	125	118
	d mm	7,7	9,5	10,5	12,9	15,6	17,7	19,9	22,5
2.Max Shock	F daN	2316	1893	1671	1317	1044	887	765	665
	d mm	31	38	43	54	66	75	84	89
3.Max Vibration	2a mm	3,4	4,2	4,8	5,9	7,3	8,3	9,3	9,8
	f Hz	6,8	6,1	5,8	5,3	4,8	4,5	4,3	4,1

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

TYPICAL SHOCK/VIBRATION SPECIFICATIONS:

Air	AIR 7306, MIL-E-5400, MIL-C-172, MIL-STD-810
Ground Forces	GAM EG13A, SEFT 001, MIL-STD-810, VG 9533
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