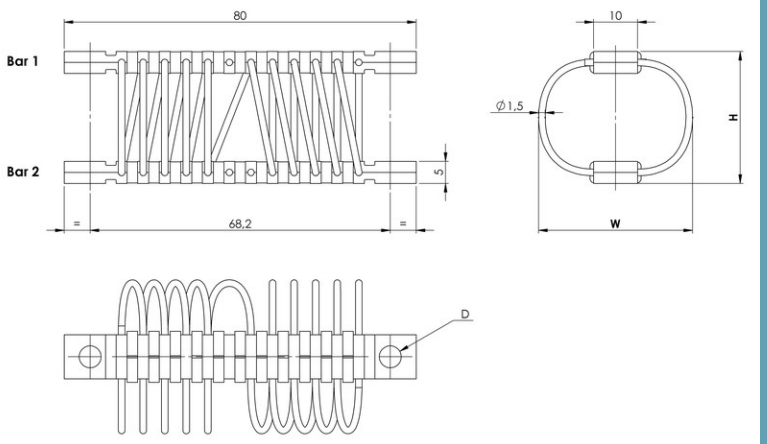
WIRE ROPE ISOLATORS: 'HELICAL'

DEFINITION
series C2H



- 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)

C2H

Cable:
stainless steel

Retainer bars:
aluminium alloy/ SurTec

Clips:
stainless steel

Inserts:
alloy steel/ zinc plate

Other materials on request

MODEL

	height H (mm)	width W (mm)	weight (kg)
310	18	25	0,03
410	20	28	0,03
510	25	30	0,03
610	28	33	0,04
710	30	35	0,04
810	33	38	0,04
910	35	40	0,04
1010	38	43	0,04

INTERFACES

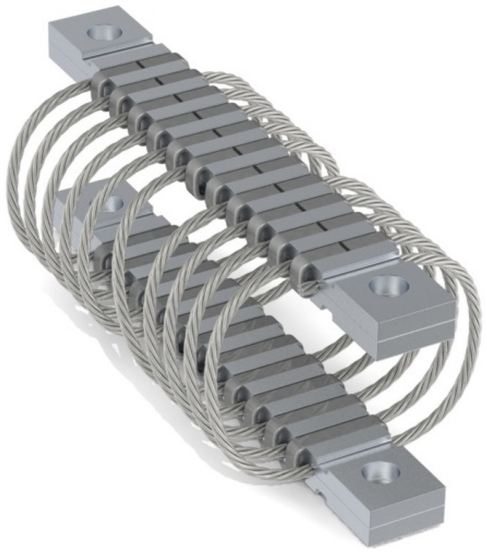
fixtures holes D	Bar 1		
Bar 2	2 through holes ø 4,2mm	2 through holes ø 4,2mm countersunk 90°	2 inserts M4
2 through holes ø 4,2mm	no suffix	not standard	not standard
2 through holes ø 4,2mm countersunk 90°	CM	CM2	not standard
2 inserts M4	IM	CIM	IM2

C	2	H	3	1	0	C	I	M

SERIE: C2H
'Helical' mount from the C2H series

MODEL: 310
height: 18mm
width: 25mm
weight: 0,03kg
loops: serie standard is 10 loops

INTERFACE: CIM
2 through holes ø 4,2mm countersunk 90° in bar 1, 2 inserts M4 in bar 2

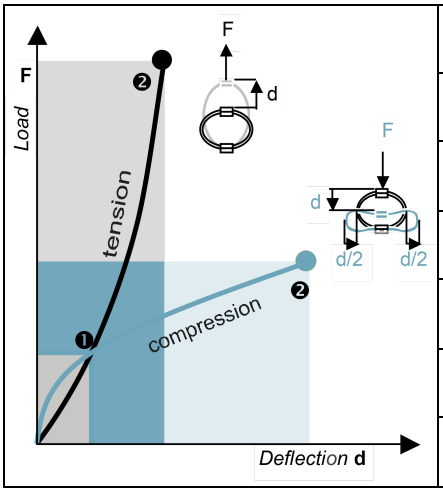


SOCITEC

ISO 9001 BUREAU VERITAS Certification

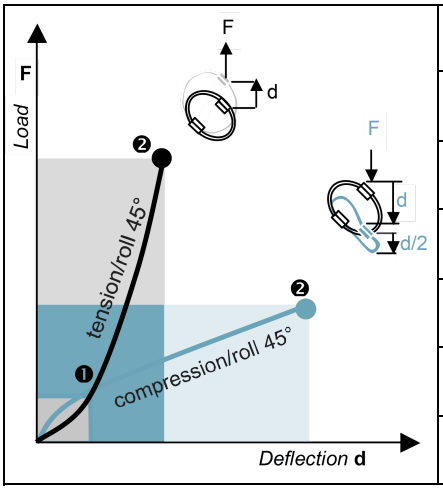
RoHS COMPLIANT

WIRE ROPE ISOLATORS: 'HELICAL'



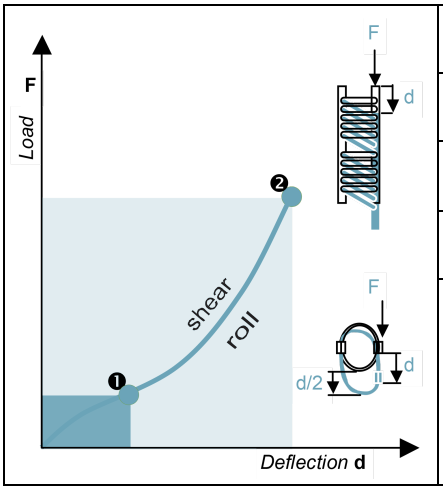
COMPRESSION AND TENSION

C2H Series	Model	310	410	510	610	710	810	910	1010
1. Max Static	F daN	6,5	4,9	4,0	3,2	2,8	2,3	2,1	1,8
	d mm	1,6	1,9	2,3	2,7	3,0	3,5	3,8	4,2
2. Max Shock	F daN	19,5	14,7	11,9	9,5	8,3	7,0	6,2	5,3
	d mm	8	10	14	17	19	22	23	26
3. Max Vibration	2a mm	1,0	1,2	1,6	1,9	2,1	2,4	2,6	2,9
	f Hz	12,3	11,5	8,5	7,8	7,5	7,0	6,8	6,4
1. Max Static	F daN	6,5	4,9	4,0	3,2	2,8	2,3	2,1	1,8
	d mm	1,1	1,4	1,5	1,8	2,0	2,3	2,4	2,7
2. Max Shock	F daN	59,9	47,8	31,8	25,6	22,5	18,8	16,9	14,5
	d mm	4	5	5	6	7	8	8	9
3. Max Vibration	2a mm	0,5	0,7	0,6	0,7	0,8	0,9	1,0	1,1
	f Hz	19,5	17,2	16,6	15,2	14,4	13,5	12,9	12,2



COMPRESSION/ROLL 45° - TENSION/ROLL 45°

C2H Series	Model	310	410	510	610	710	810	910	1010
1. Max Static	F daN	4,9	3,7	3,0	2,4	2,1	1,7	1,6	1,3
	d mm	2,2	2,8	3,3	3,9	4,3	5,0	5,4	6,0
2. Max Shock	F daN	12,5	9,6	7,4	5,9	5,2	4,4	3,9	3,3
	d mm	12	15	22	26	29	33	35	39
3. Max Vibration	2a mm	1,4	1,7	2,5	2,9	3,2	3,6	4,0	4,4
	f Hz	10,5	9,8	7,4	6,8	6,5	6,1	5,9	5,6
1. Max Static	F daN	4,9	3,7	3,0	2,4	2,1	1,7	1,6	1,3
	d mm	1,4	1,9	2,0	2,4	2,6	3,0	3,3	3,7
2. Max Shock	F daN	29,6	23,7	15,6	12,5	11,0	9,2	8,3	7,1
	d mm	5	6	6	7	8	9	10	11
3. Max Vibration	2a mm	0,6	0,8	0,7	0,8	0,9	1,0	1,1	1,3
	f Hz	17,4	15,3	14,7	13,5	12,8	12,0	11,5	10,9



SHEAR OR ROLL

C2H Series	Model	310	410	510	610	710	810	910	1010
1. Max Static	F daN	3,2	2,4	2,0	1,6	1,4	1,2	1,0	0,9
	d mm	2,2	2,7	4,2	5,0	5,5	6,3	6,8	7,6
2. Max Shock	F daN	15,2	11,9	7,2	5,8	5,0	4,2	3,8	3,2
	d mm	7	9	11	13	14	16	18	20
3. Max Vibration	2a mm	0,8	1,0	1,2	1,5	1,6	1,9	2,0	2,2
	f Hz	13,5	12,1	10,7	9,9	9,4	8,8	8,4	8,0

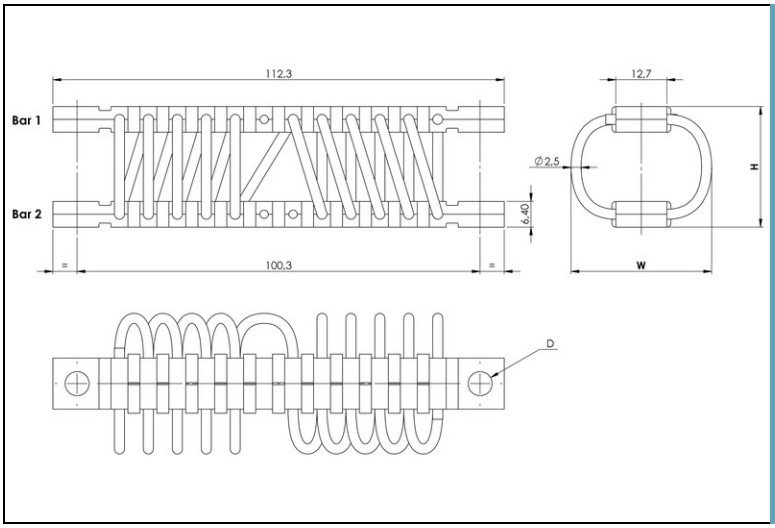
1. Max static load (F) with corresponding deflection (d)
2. Max shock load (F) with corresponding deflection (d)
3. Uncoupled resonant frequency (f) under max static loading 1. and max peak to peak sinusoidal vibration input (2a)

*IMPORTANT: Performance characteristics are given here for reference only. They can be increased under specific conditions. Contact us

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

WIRE ROPE ISOLATORS: 'HELICAL'



- 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)

C3H

Cable:
stainless steel

Retainer bars:
aluminium alloy/ SurTec

Clips:
stainless steel

Inserts:
alloy steel/ zinc plate

Other materials on request

MODEL

	height H (mm)	width W (mm)	weight (kg)
310	23	28	0,07
410	25	30	0,08
510	28	33	0,08
610	33	38	0,08
710	36	41	0,08
810	38	43	0,09
910	40	46	0,09
1010	44	49	0,09

INTERFACES

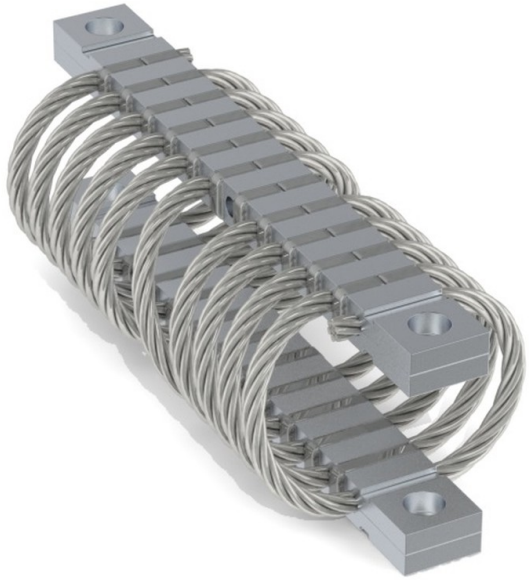
fixtures holes D	Bar 1		
	2 through holes ø5,3mm	2 through holes ø5,3mm countersunk 90°	2 inserts M5
Bar 2			
2 through holes ø5,3mm	no suffix	not standard	not standard
2 through holes ø5,3mm countersunk 90°	CM	CM2	not standard
2 inserts M5	IM	CIM	IM2

C	3	H	3	1	0	C	I	M

SERIE: C3H
'Helical' mount from the C3H series

MODEL: 310
height: 23mm
width: 28mm
weight: 0,07kg
loops: serie standard is 10 loops

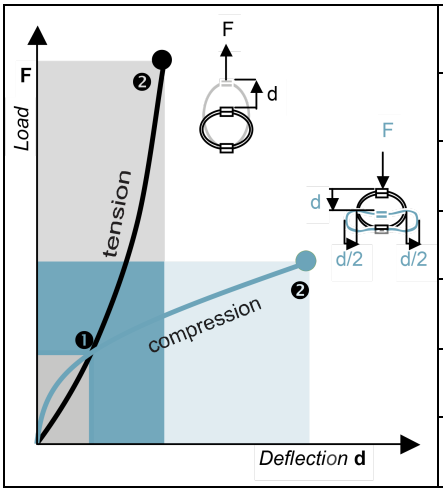
INTERFACE: CIM
2 through holes ø5,3mm countersunk 90° in bar 1,
2 inserts M5 in bar 2



ISO 9001 BUREAU VERITAS Certification

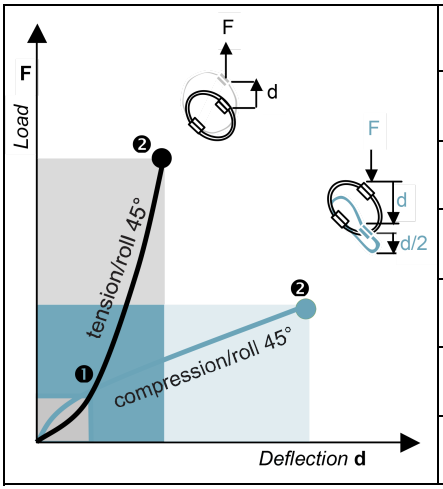
RoHS COMPLIANT

WIRE ROPE ISOLATORS: 'HELICAL'



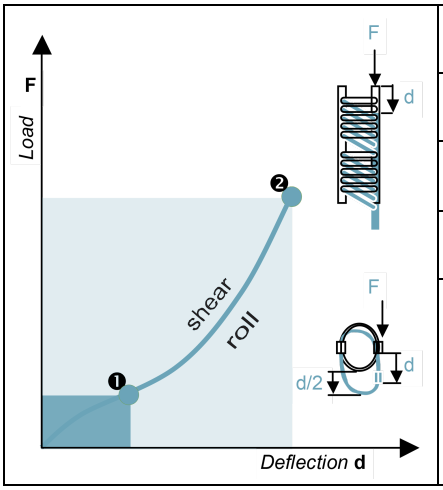
COMPRESSION AND TENSION

C3H Series	Model	310	410	510	610	710	810	910	1010
1. Max Static	F daN	15,0	12,5	9,9	7,1	6,0	5,4	4,7	4,0
	d mm	1,4	1,7	2,1	2,8	3,2	3,5	4,0	4,4
2. Max Shock	F daN	44,9	37,6	29,7	21,2	17,8	16,0	14,0	12,1
	d mm	9	10	13	18	20	22	24	28
3. Max Vibration	2a mm	1,0	1,2	1,5	2,0	2,3	2,5	2,7	3,1
	f Hz	10,7	9,8	8,8	7,7	7,2	7,0	6,9	6,3
1. Max Static	F daN	15,0	12,5	9,9	7,1	6,0	5,4	4,7	4,0
	d mm	0,9	1,1	1,4	1,8	2,1	2,3	2,6	2,9
2. Max Shock	F daN	118	99,7	79,1	57,0	48,1	43,3	39,0	32,8
	d mm	3	3	4	6	7	8	9	10
3. Max Vibration	2a mm	0,4	0,4	0,5	0,7	0,8	0,9	1,1	1,2
	f Hz	21,4	19,5	17,4	15,0	13,9	13,3	12,5	11,9



COMPRESSION/ROLL 45° - TENSION/ROLL 45°

C3H Series	Model	310	410	510	610	710	810	910	1010
1. Max Static	F daN	11,2	9,4	7,4	5,3	4,5	4,0	3,5	3,0
	d mm	2,0	2,4	3,0	4,0	4,7	5,1	5,7	6,3
2. Max Shock	F daN	27,9	23,4	18,5	13,2	11,2	10,0	8,8	7,6
	d mm	13	16	20	27	31	34	36	42
3. Max Vibration	2a mm	1,5	1,8	2,3	3,0	3,4	3,7	4,0	4,6
	f Hz	9,2	8,5	7,7	6,7	6,3	6,0	5,9	5,4
1. Max Static	F daN	11,2	9,4	7,4	5,3	4,5	4,0	3,5	3,0
	d mm	1,2	1,4	1,8	2,4	2,8	3,1	3,5	3,9
2. Max Shock	F daN	57,9	48,7	38,7	27,9	23,6	21,2	19,2	16,0
	d mm	3	4	5	7	8	9	11	12
3. Max Vibration	2a mm	0,4	0,5	0,6	0,8	1,0	1,0	1,2	1,3
	f Hz	19,0	17,3	15,4	13,3	12,4	11,9	11,1	10,6



SHEAR OR ROLL

C3H Series	Model	310	410	510	610	710	810	910	1010
1. Max Static	F daN	7,5	6,3	5,0	3,5	3,0	2,7	2,3	2,0
	d mm	2,4	2,9	3,6	5,0	5,8	6,3	6,8	7,9
2. Max Shock	F daN	29,7	24,5	19,0	13,3	11,1	9,9	9,0	7,4
	d mm	6	8	10	13	15	17	19	21
3. Max Vibration	2a mm	0,8	0,9	1,1	1,5	1,8	1,9	2,1	2,4
	f Hz	13,7	12,5	11,2	9,7	9,0	8,7	8,3	7,8

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)

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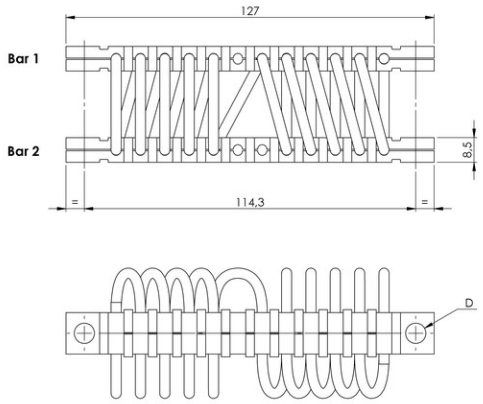
Others	GAM EMB1, GAM EMBT4, DEF STAN 07-55, IEC 571, FINABEL 2C

WIRE ROPE ISOLATORS: 'HELICAL'



- 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)

C4H

Cable:
stainless steel

Retainer bars:
aluminium alloy/ SurTec

Clips:
stainless steel

Inserts:
alloy steel/ zinc plate

Other materials on request

MODEL

	height H (mm)	width W (mm)	weight (kg)
310	28	37	0,13
410	30	39	0,13
510	33	42	0,13
610	36	44	0,14
710	38	47	0,14
810	41	49	0,14
910	44	52	0,15
1010	51	61	0,16
1110	53	63	0,16
1210	54	71	0,17
1310	57	80	0,18

INTERFACES

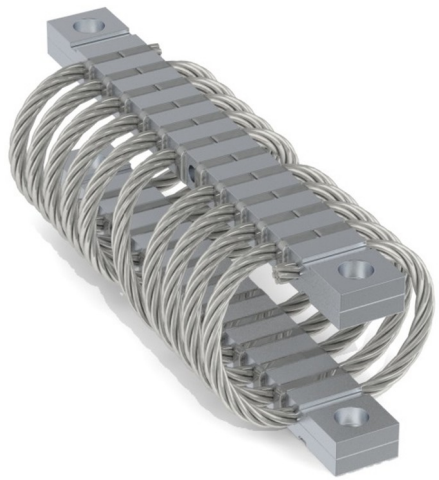
fixtures holes D	Bar 1		
Bar 2	2 through holes ø6,4mm	2 through holes ø6,4mm countersunk 90°	2 inserts M6
2 through holes ø6,4mm	no suffix	not standard	not standard
2 through holes ø6,4mm countersunk 90°	CM	CM2	not standard
2 inserts M6	IM	CIM	IM2

C	4	H	3	1	0	C	I	M

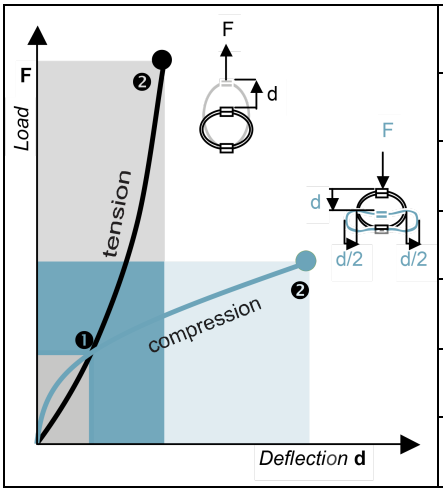
SERIE: C4H
'Helical' mount from the C4H series

MODEL: 310
height: 28mm
width: 37mm
weight: 0,13kg
loops: serie standard is 10 loops

INTERFACE: CIM
2 through holes ø6,4mm countersunk 90° in bar 1, 2 inserts M6 in bar 2

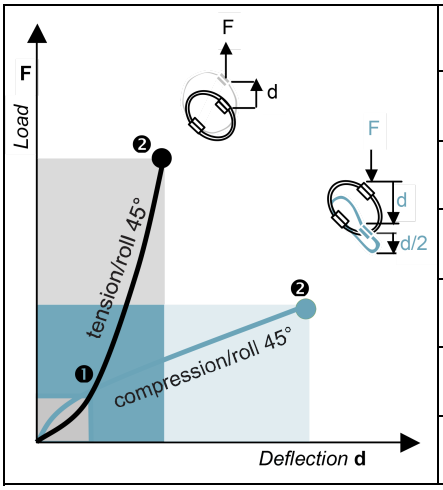


WIRE ROPE ISOLATORS: 'HELICAL'



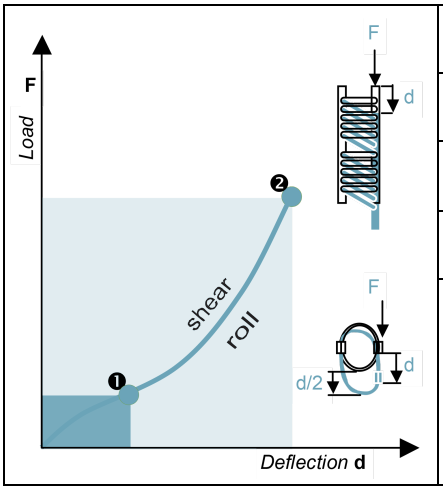
COMPRESSION AND TENSION

C4H Series	Model	310	410	510	610	710	810	910	1010	1110	1210	1310
1. Max Static	F daN	28,5	25,4	21,5	19,2	16,7	15,1	13,2	9,5	8,8	6,7	5,2
	d mm	1,8	2,2	2,7	3,2	3,5	3,9	4,3	5,6	6,0	6,1	6,6
2. Max Shock	F daN	85,6	76,1	64,4	57,5	50,0	45,2	39,7	28,4	26,6	20,2	15,6
	d mm	9	11	14	17	18	21	24	30	32	33	36
3. Max Vibration	2a mm	1,1	1,3	1,6	1,9	2,1	2,4	2,7	3,4	3,6	3,7	4,0
	f Hz	12,2	11,1	9,9	8,7	8,4	7,7	7,2	6,6	6,4	6,7	6,6
1. Max Static	F daN	28,5	25,4	21,5	19,2	16,7	15,1	13,2	9,5	8,8	6,7	5,2
	d mm	1,5	1,7	2,0	2,2	2,5	2,7	3,0	3,9	4,1	5,1	6,1
2. Max Shock	F daN	304	261	213	178	159	137	119	88,4	82,2	73,3	63,1
	d mm	6	7	8	8	10	10	11	15	16	23	31
3. Max Vibration	2a mm	0,8	0,8	0,9	1,0	1,1	1,2	1,3	1,8	1,8	2,6	3,4
	f Hz	16,7	15,7	14,4	13,8	12,9	12,5	11,8	10,3	10,1	9,0	8,2



COMPRESSION/ROLL 45° - TENSION/ROLL 45°

C4H Series	Model	310	410	510	610	710	810	910	1010	1110	1210	1310
1. Max Static	F daN	21,4	19,0	16,1	14,4	12,5	11,3	9,9	7,1	6,6	5,1	3,9
	d mm	2,8	3,2	3,9	4,4	5,0	5,4	6,1	7,9	8,3	9,5	10,9
2. Max Shock	F daN	56,6	50,0	42,0	37,0	32,4	29,0	25,4	18,3	17,1	13,4	10,6
	d mm	14	17	21	25	28	32	36	45	48	49	54
3. Max Vibration	2a mm	1,6	1,9	2,4	2,8	3,1	3,6	4,0	5,0	5,4	5,5	5,9
	f Hz	10,3	9,4	8,4	7,5	7,2	6,6	6,2	5,6	5,4	5,6	5,6
1. Max Static	F daN	21,4	19,0	16,1	14,4	12,5	11,3	9,9	7,1	6,6	5,1	3,9
	d mm	2,0	2,2	2,6	2,9	3,3	3,5	3,9	5,2	5,4	6,7	8,0
2. Max Shock	F daN	151	130	106	88,2	79,0	67,7	58,9	43,7	40,6	36,6	31,7
	d mm	7	8	9	10	11	12	13	18	19	27	35
3. Max Vibration	2a mm	0,8	0,9	1,1	1,1	1,3	1,3	1,5	2,0	2,1	3,0	3,9
	f Hz	14,9	14,0	12,9	12,3	11,5	11,1	10,6	9,2	9,0	8,0	7,3



SHEAR OR ROLL

C4H Series	Model	310	410	510	610	710	810	910	1010	1110	1210	1310
1. Max Static	F daN	14,3	12,7	10,7	9,6	8,3	7,5	6,6	4,7	4,4	3,4	2,6
	d mm	2,4	2,8	3,6	4,4	4,9	5,7	6,5	8,3	8,8	9,1	10,0
2. Max Shock	F daN	85,2	71,1	56,0	45,3	40,2	33,7	28,9	21,1	19,5	17,6	14,9
	d mm	9	11	13	14	16	18	20	26	28	33	40
3. Max Vibration	2a mm	1,1	1,2	1,5	1,6	1,9	2,0	2,3	2,9	3,1	3,7	4,4
	f Hz	12,1	11,3	10,3	9,6	9,1	8,6	8,1	7,2	7,0	6,6	6,1

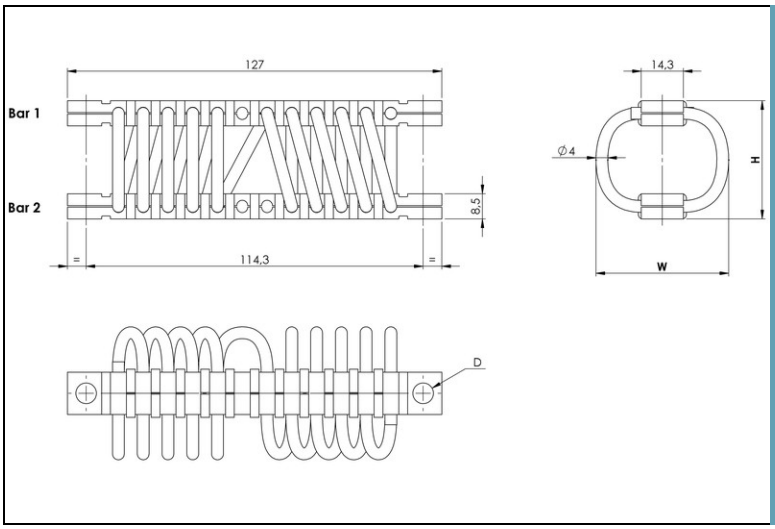
1. Max static load (F) with corresponding deflection (d)
2. Max shock load (F) with corresponding deflection (d)
3. Uncoupled resonant frequency (f) under max static loading 1. and max peak to peak sinusoidal vibration input (2a)

*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

WIRE ROPE ISOLATORS: 'HELICAL'



- 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)

C5H

Cable:
stainless steel

Retainer bars:
aluminium alloy/ SurTec

Clips:
stainless steel

Inserts:
alloy steel/ zinc plate

Other materials on request

MODEL

	height H (mm)	width W (mm)	weight (kg)
310	29	38	0,14
410	31	40	0,14
510	34	43	0,14
610	37	45	0,15
710	39	48	0,15
810	42	50	0,16
910	45	53	0,16
1010	52	62	0,18
1110	54	64	0,18
1210	54	72	0,19
1310	58	81	0,20

INTERFACES

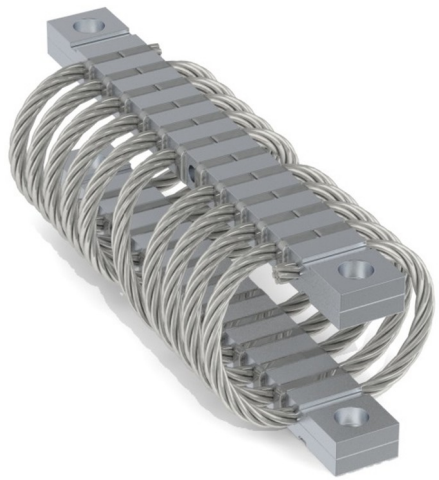
fixtures holes D	Bar 1		
Bar 2	2 through holes ø6,4mm	2 through holes ø6,4mm countersunk 90°	2 inserts M6
2 through holes ø6,4mm	no suffix	not standard	not standard
2 through holes ø6,4mm countersunk 90°	CM	CM2	not standard
2 inserts M6	IM	CIM	IM2

C	5	H	3	1	0	C	I	M

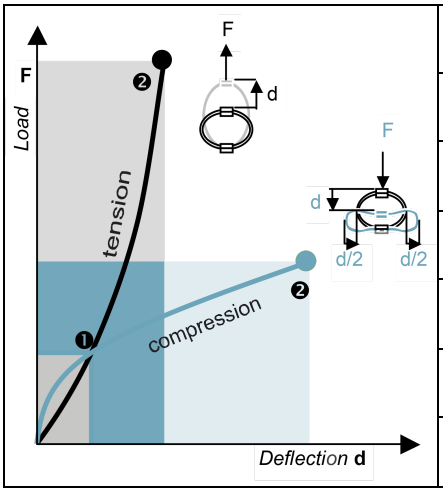
SERIE: C5H
'Helical' mount from the C5H series

MODEL: 310
height: 29mm
width: 38mm
weight: 0,14kg
loops: serie standard is 10 loops

INTERFACE: CIM
2 through holes ø6,4mm countersunk 90° in bar 1,
2 inserts M6 in bar 2

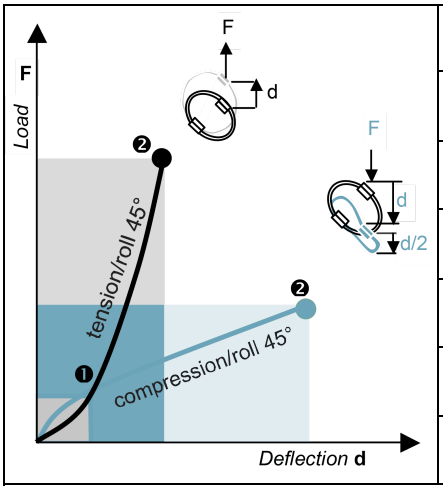


WIRE ROPE ISOLATORS: 'HELICAL'



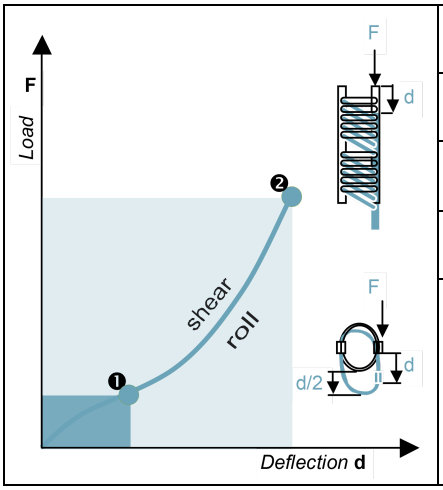
COMPRESSION AND TENSION

C5H Series	Model	310	410	510	610	710	810	910	1010	1110	1210	1310
1. Max Static	F daN	49,6	44,0	37,3	33,3	29,0	26,2	23,0	16,7	15,6	11,9	9,2
	d mm	2,0	2,3	2,8	3,2	3,6	4,0	4,4	5,7	6,0	6,1	6,8
2. Max Shock	F daN	148	132	111	99,8	87,0	78,6	69,1	50,0	46,8	35,6	27,6
	d mm	10	12	15	18	19	22	25	31	33	33	36
3. Max Vibration	2a mm	1,2	1,4	1,7	2,0	2,2	2,5	2,8	3,5	3,7	3,7	4,1
	f Hz	11,5	10,5	9,4	8,4	8,1	7,5	7,0	6,4	6,2	6,7	6,5
1. Max Static	F daN	49,6	44,0	37,3	33,3	29,0	26,2	23,0	16,7	15,6	11,9	9,2
	d mm	1,5	1,7	2,0	2,2	2,5	2,7	3,0	3,9	4,1	5,1	6,1
2. Max Shock	F daN	500	433	357	300	269	233	203	153	142	130	109
	d mm	6	7	8	8	10	10	11	15	16	24	30
3. Max Vibration	2a mm	0,7	0,8	0,9	1,0	1,1	1,2	1,3	1,7	1,8	2,6	3,4
	f Hz	16,5	15,5	14,3	13,8	12,8	12,4	11,8	10,3	10,0	9,0	8,2



COMPRESSION/ROLL 45° - TENSION/ROLL 45°

C5H Series	Model	310	410	510	610	710	810	910	1010	1110	1210	1310
1. Max Static	F daN	37,2	33,0	28,0	25,0	21,7	19,7	17,3	12,5	11,7	8,9	6,9
	d mm	3,0	3,4	4,0	4,5	5,1	5,6	6,2	8,0	8,4	9,6	11,0
2. Max Shock	F daN	97,4	86,1	72,4	63,9	56,0	50,2	44,0	32,1	30,0	23,6	18,6
	d mm	16	18	22	27	29	33	37	47	49	49	55
3. Max Vibration	2a mm	1,8	2,1	2,5	3,0	3,3	3,7	4,2	5,2	5,5	5,5	6,1
	f Hz	9,7	8,9	8,0	7,2	7,0	6,4	6,0	5,5	5,3	5,7	5,5
1. Max Static	F daN	37,2	33,0	28,0	25,0	21,7	19,7	17,3	12,5	11,7	8,9	6,9
	d mm	2,0	2,3	2,7	2,9	3,3	3,6	4,0	5,2	5,5	6,7	8,0
2. Max Shock	F daN	249	215	177	148	133	115	100	75,6	70,4	65,0	54,9
	d mm	7	8	9	9	11	12	13	18	18	27	35
3. Max Vibration	2a mm	0,8	0,9	1,1	1,1	1,3	1,3	1,5	2,0	2,1	3,0	3,9
	f Hz	14,8	13,8	12,8	12,3	11,4	11,1	10,5	9,2	9,0	8,0	7,3



SHEAR OR ROLL

C5H Series	Model	310	410	510	610	710	810	910	1010	1110	1210	1310
1. Max Static	F daN	24,8	22,0	18,6	16,6	14,5	13,1	11,5	8,3	7,8	5,9	4,6
	d mm	2,6	3,1	3,9	4,7	5,2	6,0	6,8	8,6	9,1	9,1	10,2
2. Max Shock	F daN	137	116	92,5	75,4	67,3	56,8	49,0	36,4	33,6	31,1	25,8
	d mm	10	11	13	15	17	18	20	27	28	33	40
3. Max Vibration	2a mm	1,1	1,3	1,5	1,7	1,9	2,1	2,3	3,0	3,1	3,7	4,4
	f Hz	11,8	11,0	10,1	9,4	8,9	8,5	8,0	7,1	6,9	6,6	6,1

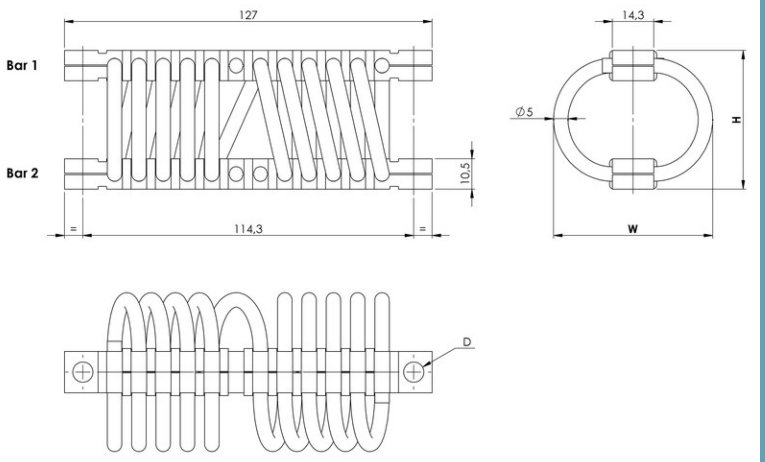
1. Max static load (F) with corresponding deflection (d)
2. Max shock load (F) with corresponding deflection (d)
3. Uncoupled resonant frequency (f) under max static loading 1. and max peak to peak sinusoidal vibration input (2a)

*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

WIRE ROPE ISOLATORS: 'HELICAL'



- 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)

C6H

Cable:
stainless steel

Retainer bars:
aluminium alloy/ SurTec

Clips:
stainless steel

Inserts:
alloy steel/ zinc plate

Other materials on request

MODEL

	height H (mm)	width W (mm)	weight (kg)
310	31	37	0,20
410	34	39	0,20
510	37	42	0,21
610	39	44	0,22
710	42	47	0,23
810	44	49	0,23
910	51	58	0,26
1010	52	63	0,26
1110	55	74	0,28
1210	57	80	0,30
1310	81	107	0,37

INTERFACES

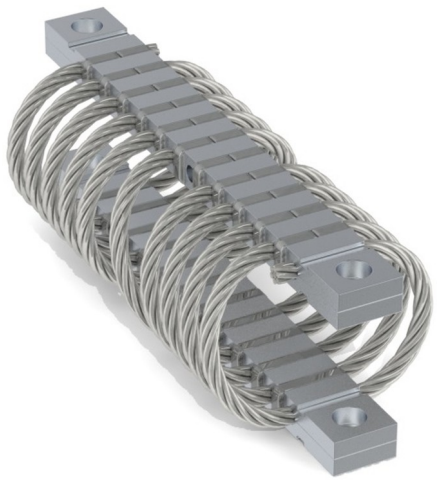
fixtures holes D	Bar 1		
Bar 2	2 through holes ø6,4mm	2 through holes ø6,4mm countersunk 90°	2 inserts M6
2 through holes ø6,4mm	no suffix	not standard	not standard
2 through holes ø6,4mm countersunk 90°	CM	CM2	not standard
2 inserts M6	IM	CIM	IM2

C	6	H	3	1	0	C	I	M

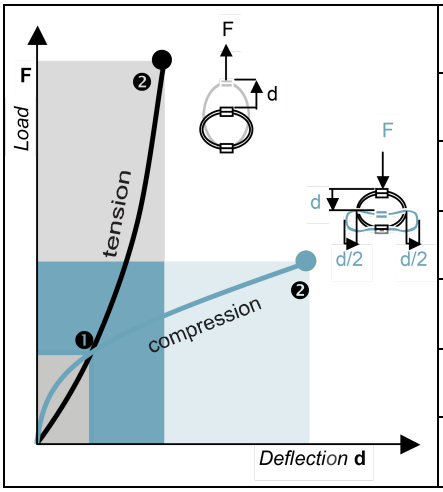
SERIE: C6H
'Helical' mount from the C6H series

MODEL: 310
height: 31mm
width: 37mm
weight: 0,20kg
loops: serie standard is 10 loops

INTERFACE: CIM
2 through holes ø6,4mm countersunk 90° in bar 1,
2 inserts M6 in bar 2

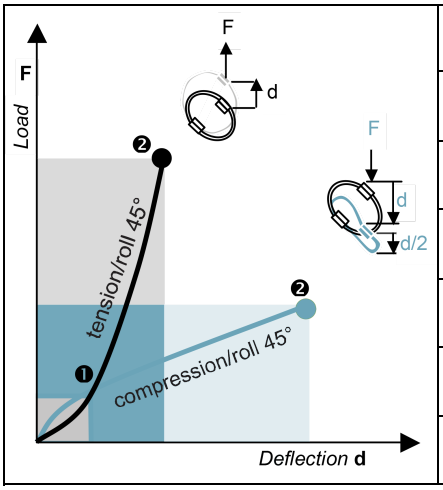


WIRE ROPE ISOLATORS: 'HELICAL'



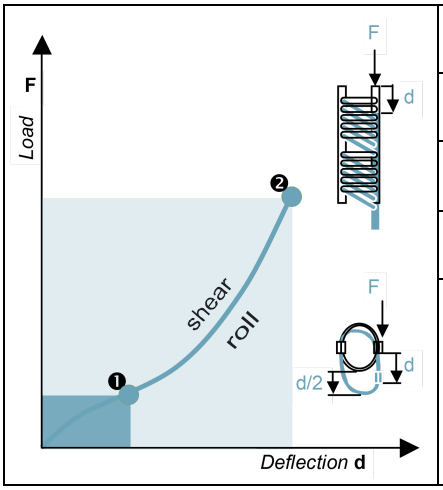
COMPRESSION AND TENSION

C6H Series	Model	310	410	510	610	710	810	910	1010	1110	1210	1310
1. Max Static	F daN	101	90,8	77,1	69,5	60,1	54,8	38,8	32,8	22,6	19,0	11,1
	d mm	1,7	2,1	2,5	2,8	3,2	3,5	4,8	5,3	5,6	6,0	10,0
2. Max Shock	F daN	304	272	231	208	180	164	116	98,5	67,8	57,2	33,4
	d mm	9	11	14	16	18	20	27	28	30	32	54
3. Max Vibration	2a mm	1,0	1,3	1,6	1,8	2,1	2,3	3,0	3,2	3,4	3,6	5,9
	f Hz	12,4	10,4	9,3	8,7	8,0	7,6	6,9	6,9	7,2	7,0	5,3
1. Max Static	F daN	101	90,8	77,1	69,5	60,1	54,8	38,8	32,8	22,6	19,0	11,1
	d mm	1,2	1,4	1,7	1,9	2,2	2,4	3,3	3,9	5,1	5,8	8,7
2. Max Shock	F daN	994	812	679	608	522	474	350	319	271	245	127
	d mm	5	5	6	7	8	9	13	16	25	31	42
3. Max Vibration	2a mm	0,6	0,6	0,7	0,8	0,9	1,0	1,4	1,8	2,9	3,4	4,6
	f Hz	18,4	17,2	15,6	14,8	13,8	13,2	11,2	10,4	8,9	8,4	6,9



COMPRESSION/ROLL 45° - TENSION/ROLL 45°

C6H Series	Model	310	410	510	610	710	810	910	1010	1110	1210	1310
1. Max Static	F daN	76,2	68,1	57,8	52,1	45,1	41,1	29,1	24,6	17,0	14,3	8,3
	d mm	2,4	2,9	3,5	3,9	4,6	5,0	6,8	7,6	9,2	10,0	15,9
2. Max Shock	F daN	198	174	147	132	114	104	74,5	64,0	45,8	39,0	22,3
	d mm	13	17	21	24	28	31	40	43	45	48	81
3. Max Vibration	2a mm	1,5	1,9	2,4	2,7	3,1	3,4	4,5	4,8	5,0	5,4	8,9
	f Hz	10,5	8,9	8,0	7,5	6,9	6,6	5,9	5,9	6,0	5,9	4,5
1. Max Static	F daN	76,2	68,1	57,8	52,1	45,1	41,1	29,1	24,6	17,0	14,3	8,3
	d mm	1,6	1,9	2,2	2,5	2,9	3,1	4,4	5,1	6,7	7,5	11,4
2. Max Shock	F daN	493	400	334	299	257	233	173	158	136	123	63,8
	d mm	5	6	7	8	9	10	14	18	29	35	48
3. Max Vibration	2a mm	0,6	0,7	0,8	0,9	1,0	1,1	1,6	2,1	3,3	3,9	5,3
	f Hz	16,5	15,3	13,9	13,2	12,3	11,8	10,0	9,2	8,0	7,5	6,1



SHEAR OR ROLL

C6H Series	Model	310	410	510	610	710	810	910	1010	1110	1210	1310
1. Max Static	F daN	50,8	45,4	38,5	34,8	30,0	27,4	19,4	16,4	11,3	9,5	5,6
	d mm	2,0	2,8	3,6	4,1	4,8	5,4	7,1	7,6	8,2	8,8	15,0
2. Max Shock	F daN	293	223	179	157	132	118	86,1	78,7	66,2	59,1	29,8
	d mm	8	9	11	13	15	16	22	26	33	38	57
3. Max Vibration	2a mm	0,9	1,1	1,3	1,5	1,7	1,8	2,5	2,9	3,7	4,2	6,3
	f Hz	13,0	11,7	10,6	10,0	9,3	8,9	7,7	7,3	6,7	6,4	5,1

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)

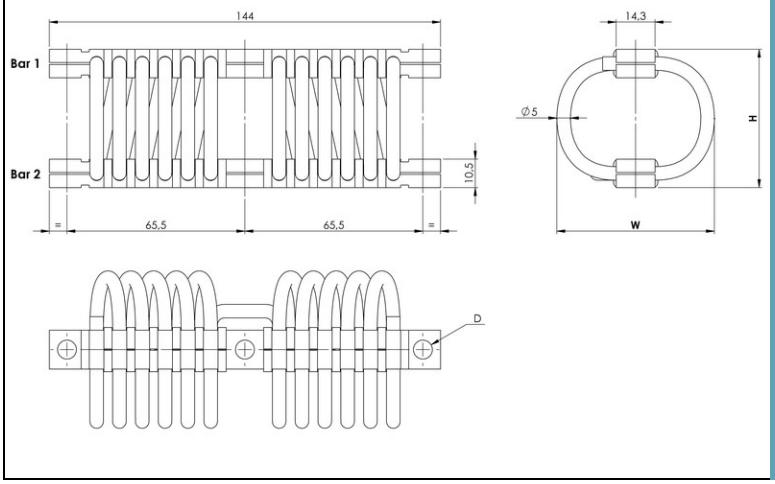
*IMPORTANT: Performance characteristics are given here for reference only. They can be increased under specific conditions. Contact us

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

WIRE ROPE ISOLATORS: 'HELICAL'

DEFINITION
series C1260



- 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)

C1260

Cable:
stainless steel
(galvanized available)

Retainer bars:
aluminium alloy/
SurTec

Screws:
alloy steel/ zinc plate

Inserts:
alloy steel/ zinc plate

Other materials on request

MODEL

	height H (mm)	width W (mm)	weight (kg)
-13	51	58	0,29
-16	53	63	0,30
-18	52	70	0,31
-20	55	74	0,32
-39	57	80	0,33
-50	82	106	0,41

INTERFACES

fixtures holes D	Bar 1		
Bar 2	3 through holes ø6,4mm	3 through holes ø6,4mm countersunk 90°	3 inserts M6
3 through holes ø6,4mm	no suffix	not standard	not standard
3 through holes ø6,4mm countersunk 90°	CM	CM2	not standard
3 inserts M6	IM	CIM	IM2

C	1	2	6	0	-	1	3	C	I	M

SERIE: C1260
'Helical' mount from the C1260 series

MODEL: -13
height: 51mm
width: 58mm
weight: 0,29kg
loops: serie standard is 11 loops

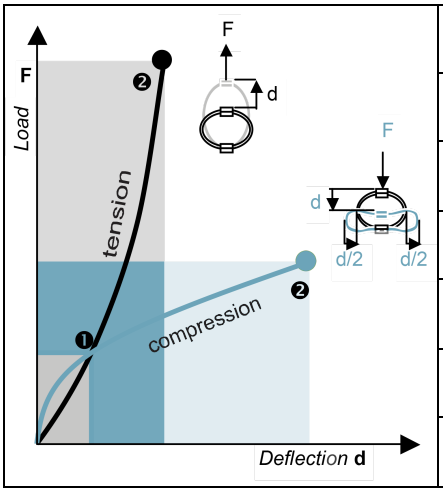
INTERFACE: CIM
3 through holes ø6,4mm countersunk 90° in bar 1,
3 inserts M6 in bar 2

SOCITEC

ISO 9001 BUREAU VERITAS Certification

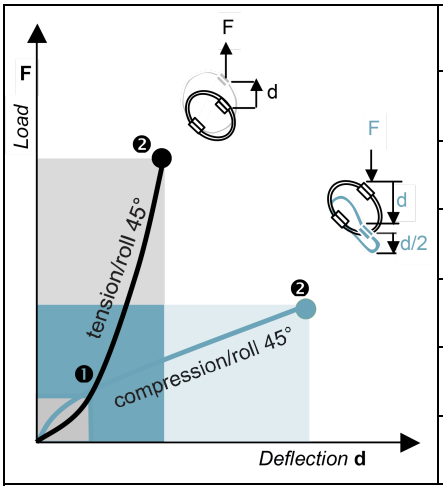
RoHS COMPLIANT

WIRE ROPE ISOLATORS: 'HELICAL'



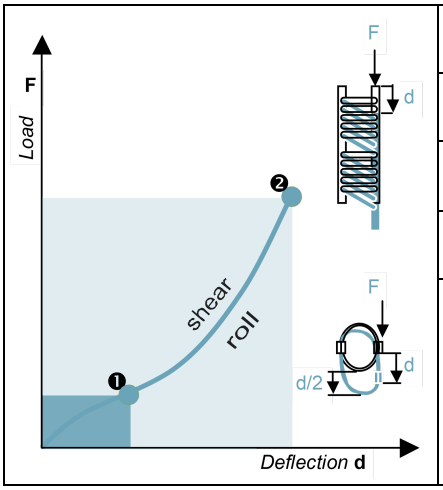
COMPRESSION AND TENSION

C1260 Series	Model	-13	-16	-18	-20	-39	-50
1. Max Static	F daN	42,7	36,1	27,8	24,9	21,0	12,5
	d mm	4,8	5,3	5,2	5,6	6,0	10,1
2. Max Shock	F daN	128	108	83,4	74,6	62,9	37,6
	d mm	27	28	27	30	32	54
3. Max Vibration	2a mm	3,0	3,2	3,1	3,4	3,6	6,0
	f Hz	6,9	6,9	7,5	7,2	7,0	5,2
1. Max Static	F daN	42,7	36,1	27,8	24,9	21,0	12,5
	d mm	3,3	3,9	4,7	5,1	5,8	8,6
2. Max Shock	F daN	386	351	334	298	270	138
	d mm	13	16	23	25	31	40
3. Max Vibration	2a mm	1,4	1,8	2,6	2,9	3,4	4,4
	f Hz	11,2	10,4	9,3	8,9	8,4	6,9



COMPRESSION/ROLL 45° - TENSION/ROLL 45°

C1260 Series	Model	-13	-16	-18	-20	-39	-50
1. Max Static	F daN	32,0	27,1	20,8	18,7	15,7	9,4
	d mm	6,8	7,6	8,4	9,2	10,0	15,8
2. Max Shock	F daN	82,0	70,4	56,3	50,4	42,9	25,0
	d mm	40	43	41	45	48	82
3. Max Vibration	2a mm	4,5	4,8	4,6	5,0	5,4	9,1
	f Hz	5,9	5,9	6,3	6,0	5,9	4,4
1. Max Static	F daN	32,0	27,1	20,8	18,7	15,7	9,4
	d mm	4,4	5,1	6,1	6,7	7,5	11,2
2. Max Shock	F daN	190	174	168	149	136	69,4
	d mm	14	18	27	29	35	46
3. Max Vibration	2a mm	1,6	2,1	3,0	3,3	3,9	5,1
	f Hz	10,0	9,2	8,3	8,0	7,5	6,2



SHEAR OR ROLL

C1260 Series	Model	-13	-16	-18	-20	-39	-50
1. Max Static	F daN	21,3	18,1	13,9	12,4	10,5	6,3
	d mm	7,1	7,6	7,4	8,2	8,8	15,2
2. Max Shock	F daN	94,7	86,5	82,6	72,9	65,0	32,5
	d mm	22	26	31	33	38	56
3. Max Vibration	2a mm	2,5	2,9	3,4	3,7	4,2	6,2
	f Hz	7,7	7,3	7,0	6,7	6,4	5,1

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)

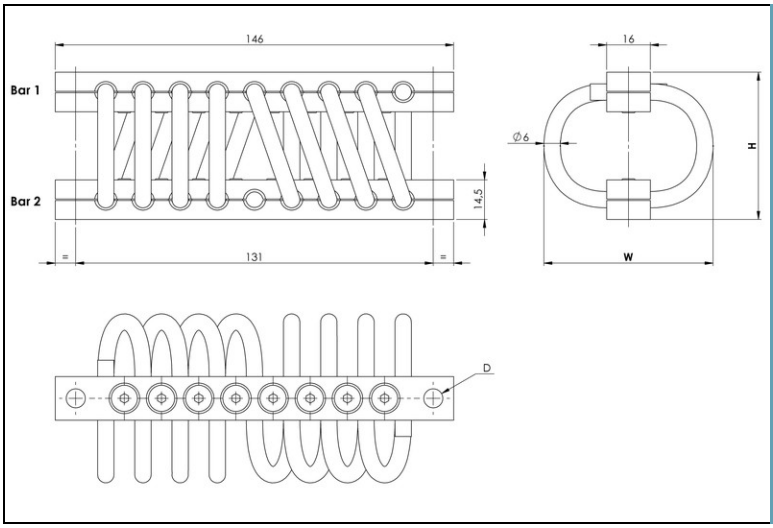
*IMPORTANT: Performance characteristics are given here for reference only. They can be increased under specific conditions. Contact us

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

WIRE ROPE ISOLATORS: 'HELICAL'

DEFINITION
series CB1270



- 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)

CB1270

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)
-10	48	55	0,33
-20	54	62	0,36
-25	59	70	0,38
-30	63	79	0,41
-35	63	88	0,42
-38	67	94	0,44
-40	67	99	0,45
-50	82	107	0,49
-60	98	128	0,56

INTERFACES

fixtures holes D	Bar 1		
Bar 2	2 through holes ø7mm	2 through holes ø7mm counter-sunk 90°	2 inserts M6
2 through holes ø7mm	no suffix	not standard	not standard
2 through holes ø7mm counter-sunk 90°	CM	CM2	not standard
2 inserts M6	IM	CIM	IM2

C	B	1	2	7	0	-	1	0	C	I	M

SERIE: CB1270
'Helical' mount from the CB1270 series

MODEL: -10
height: 48mm
width: 55mm
weight: 0,33kg
loops: serie
standard is 08 loops

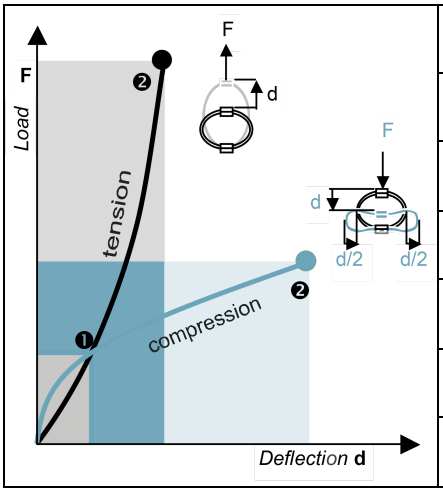
INTERFACE: CIM
2 through holes ø7mm
counter-sunk 90° in bar 1,
2 inserts M6 in bar 2

SOCITEC

ISO 9001 BUREAU VERITAS Certification

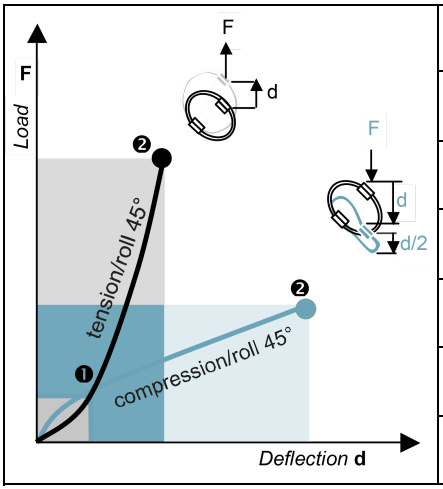
RoHS COMPLIANT

WIRE ROPE ISOLATORS: 'HELICAL'



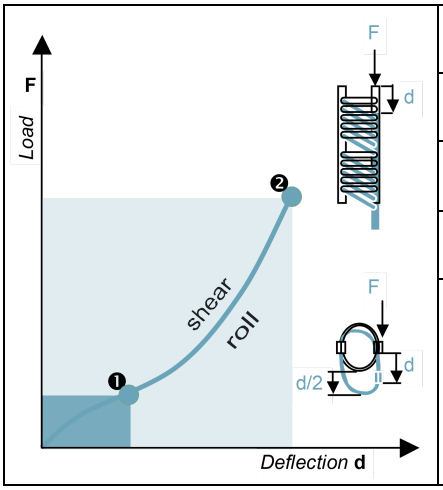
COMPRESSION AND TENSION

CB1270 Series	Model	-10	-20	-25	-30	-35	-38	-40	-50	-60
1. Max Static	F daN	69,8	55,3	43,1	33,4	25,8	22,9	20,2	18,7	14,0
	d mm	3,2	4,2	5,0	5,6	5,6	6,3	6,3	8,8	11,5
2. Max Shock	F daN	209	165	129	100	77,4	68,6	60,8	56,2	42,0
	d mm	17	22	27	30	30	34	34	47	62
3. Max Vibration	2a mm	1,9	2,5	3,0	3,4	3,4	3,8	3,8	5,2	6,8
	f Hz	9,5	8,2	7,5	7,2	7,4	7,0	7,1	5,8	5,0
1. Max Static	F daN	69,8	55,3	43,1	33,4	25,8	22,9	20,2	18,7	14,0
	d mm	2,7	3,5	4,3	5,3	5,6	6,3	6,3	8,3	10,4
2. Max Shock	F daN	793	607	490	412	390	341	215	234	166
	d mm	13	16	20	27	37	41	39	43	52
3. Max Vibration	2a mm	1,5	1,8	2,3	3,0	4,2	4,6	4,4	4,8	5,7
	f Hz	12,2	10,9	9,7	8,8	7,9	7,6	7,5	7,0	6,3



COMPRESSION/ROLL 45° - TENSION/ROLL 45°

CB1270 Series	Model	-10	-20	-25	-30	-35	-38	-40	-50	-60
1. Max Static	F daN	52,3	41,5	32,3	25,0	19,4	17,2	15,2	14,0	10,5
	d mm	5,0	6,5	7,9	9,3	10,0	11,2	11,5	14,6	18,6
2. Max Shock	F daN	139	110	86,4	67,8	54,0	47,8	42,8	38,2	28,3
	d mm	25	33	40	45	45	51	51	71	93
3. Max Vibration	2a mm	2,8	3,7	4,5	5,0	5,0	5,6	5,6	7,9	10,2
	f Hz	8,0	6,9	6,3	6,0	6,2	5,9	5,9	4,8	4,2
1. Max Static	F daN	52,3	41,5	32,3	25,0	19,4	17,2	15,2	14,0	10,5
	d mm	3,6	4,6	5,6	6,9	7,8	8,7	9,2	10,8	13,5
2. Max Shock	F daN	397	303	245	207	198	173	113	118	83,8
	d mm	15	18	23	31	43	47	45	49	59
3. Max Vibration	2a mm	1,7	2,0	2,6	3,4	4,8	5,2	5,0	5,5	6,6
	f Hz	11,0	9,7	8,7	7,8	7,2	6,8	6,8	6,2	5,6



SHEAR OR ROLL

CB1270 Series	Model	-10	-20	-25	-30	-35	-38	-40	-50	-60
1. Max Static	F daN	34,9	27,7	21,5	16,7	12,9	11,4	10,1	9,4	7,0
	d mm	4,1	5,6	6,9	8,0	8,3	9,4	9,6	13,0	17,2
2. Max Shock	F daN	221	161	127	104	95,2	82,4	63,5	56,4	39,4
	d mm	18	22	28	34	42	46	45	55	68
3. Max Vibration	2a mm	2,0	2,5	3,1	3,8	4,7	5,1	5,0	6,0	7,5
	f Hz	9,1	8,0	7,2	6,6	6,3	6,0	6,0	5,3	4,7

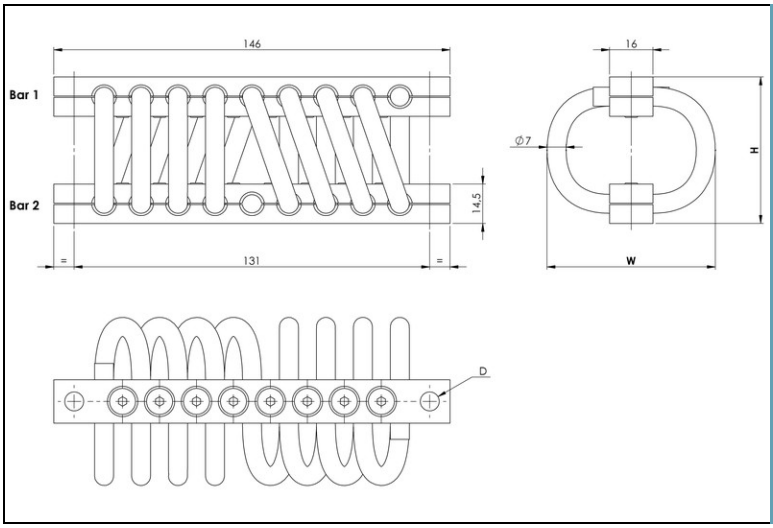
1. Max static load (F) with corresponding deflection (d)
2. Max shock load (F) with corresponding deflection (d)
3. Uncoupled resonant frequency (f) under max static loading 1. and max peak to peak sinusoidal vibration input (2a)

*IMPORTANT: Performance characteristics are given here for reference only. They can be increased under specific conditions. Contact us

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

WIRE ROPE ISOLATORS: 'HELICAL'



- 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)

CB1280

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)
-10	48	57	0,37
-20	54	64	0,40
-25	59	72	0,43
-30	63	81	0,46
-35	63	90	0,48
-38	67	96	0,50
-40	67	101	0,52
-50	82	109	0,57
-60	98	129	0,66

INTERFACES

fixtures holes D	Bar 1		
Bar 2	2 through holes ø7mm	2 through holes ø7mm counter-sunk 90°	2 inserts M6
2 through holes ø7mm	no suffix	not standard	not standard
2 through holes ø7mm counter-sunk 90°	CM	CM2	not standard
2 inserts M6	IM	CIM	IM2

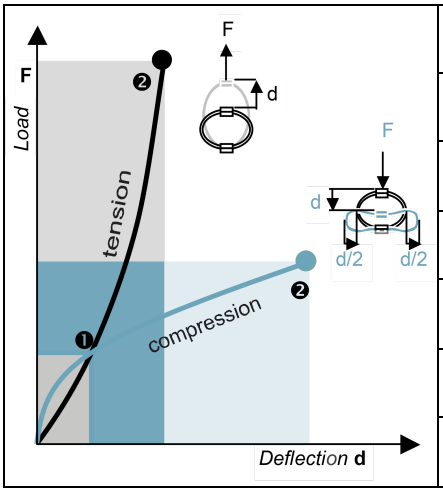
C	B	1	2	8	0	-	1	0	C	I	M

SERIE: CB1280
'Helical' mount from the CB1280 series

MODEL: -10
height: 48mm
width: 57mm
weight: 0,37kg
loops: serie
standard is 08 loops

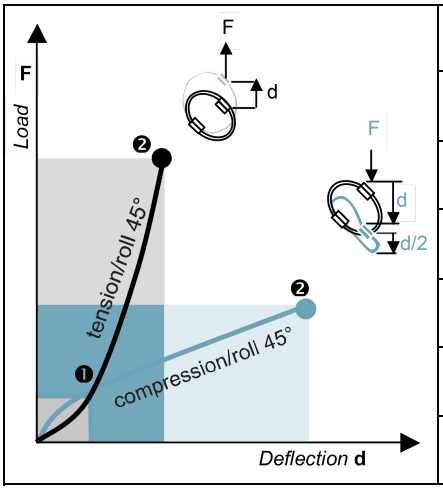
INTERFACE: CIM
2 through holes ø7mm
counter-sunk 90° in bar 1,
2 inserts M6 in bar 2

WIRE ROPE ISOLATORS: 'HELICAL'



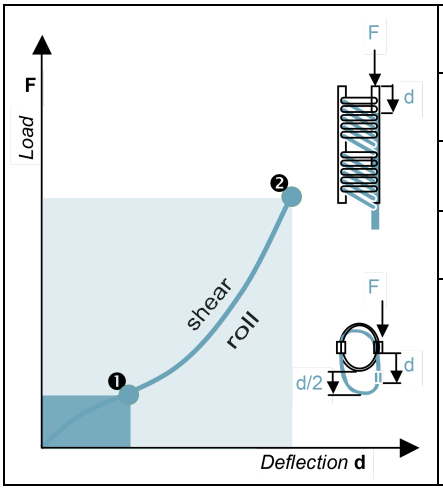
COMPRESSION AND TENSION

CB1280 Series	Model	-10	-20	-25	-30	-35	-38	-40	-50	-60
1. Max Static	F daN	106	84,1	65,2	50,3	38,9	34,4	30,4	28,1	20,6
	d mm	3,2	4,2	5,0	5,6	5,6	6,3	6,3	8,8	11,5
2. Max Shock	F daN	319	252	195	150	116	103	91,3	84,3	61,8
	d mm	17	22	27	30	30	34	34	47	62
3. Max Vibration	2a mm	1,9	2,5	3,0	3,4	3,4	3,8	3,8	5,2	6,8
	f Hz	9,4	8,1	7,5	7,2	7,4	7,0	7,0	5,8	5,0
1. Max Static	F daN	106	84,1	65,2	50,3	38,9	34,4	30,4	28,1	20,6
	d mm	2,7	3,4	4,2	5,2	5,6	6,3	6,3	8,2	10,4
2. Max Shock	F daN	1182	904	729	612	579	506	333	348	246
	d mm	12	15	20	26	36	40	39	42	52
3. Max Vibration	2a mm	1,4	1,7	2,2	2,9	4,1	4,5	4,4	4,7	5,8
	f Hz	12,4	11,0	9,8	8,8	8,0	7,6	7,5	7,0	6,3



COMPRESSION/ROLL 45° - TENSION/ROLL 45°

CB1280 Series	Model	-10	-20	-25	-30	-35	-38	-40	-50	-60
1. Max Static	F daN	80,0	63,1	48,9	37,7	29,2	25,8	22,8	21,1	15,4
	d mm	4,9	6,4	7,8	9,3	10,0	11,1	11,4	14,6	18,6
2. Max Shock	F daN	213	167	130	102	81,2	71,8	64,3	57,2	41,7
	d mm	25	33	40	45	45	51	51	71	93
3. Max Vibration	2a mm	2,8	3,7	4,5	5,0	5,0	5,6	5,6	7,9	10,2
	f Hz	7,9	6,8	6,3	6,0	6,2	5,8	5,9	4,8	4,2
1. Max Static	F daN	80,0	63,1	48,9	37,7	29,2	25,8	22,8	21,1	15,4
	d mm	3,5	4,5	5,6	6,8	7,8	8,6	9,1	10,7	13,6
2. Max Shock	F daN	591	451	364	307	293	257	175	175	123
	d mm	14	17	23	30	42	46	45	48	60
3. Max Vibration	2a mm	1,6	2,0	2,5	3,4	4,6	5,1	5,0	5,4	6,6
	f Hz	11,1	9,8	8,8	7,9	7,2	6,8	6,8	6,3	5,6



SHEAR OR ROLL

CB1280 Series	Model	-10	-20	-25	-30	-35	-38	-40	-50	-60
1. Max Static	F daN	53,3	42,0	32,6	25,2	19,4	17,2	15,2	14,0	10,3
	d mm	4,1	5,6	6,9	8,0	8,3	9,3	9,6	13,0	17,2
2. Max Shock	F daN	330	241	189	155	141	122	96,6	83,7	58,2
	d mm	17	22	27	34	41	46	45	54	68
3. Max Vibration	2a mm	1,9	2,5	3,1	3,8	4,6	5,1	5,0	6,0	7,5
	f Hz	9,1	8,0	7,2	6,6	6,3	6,0	5,9	5,3	4,7

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)

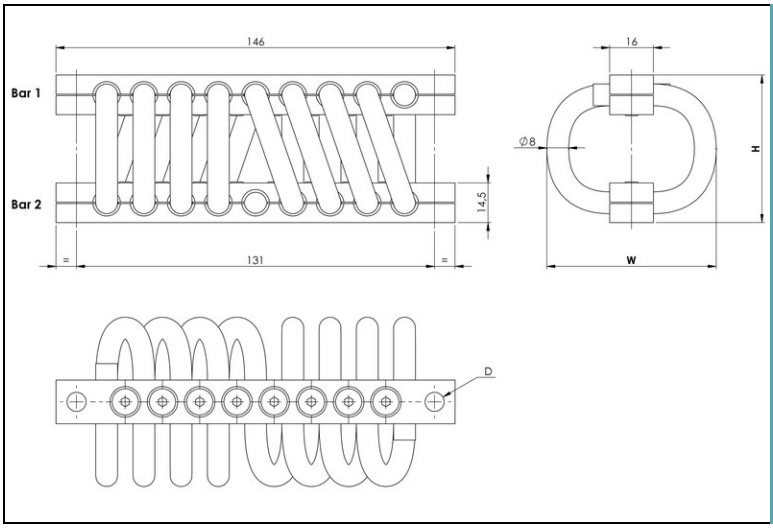
*IMPORTANT: Performance characteristics are given here for reference only. They can be increased under specific conditions. Contact us

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

WIRE ROPE ISOLATORS: 'HELICAL'

DEFINITION
series CB1290



- 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)

CB1290

Cable:
stainless steel
galvanized available: CB

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)
-10	48	59	0,44
-20	54	66	0,49
-25	59	74	0,53
-30	63	83	0,57
-35	63	92	0,60
-38	67	98	0,63
-40	67	103	0,64
-50	82	111	0,72
-60	98	130	0,83

INTERFACES

fixtures holes D	Bar 1		
Bar 2	2 through holes ø7mm	2 through holes ø7mm counter-sunk 90°	2 inserts M6
2 through holes ø7mm	no suffix	not standard	not standard
2 through holes ø7mm counter-sunk 90°	CM	CM2	not standard
2 inserts M6	IM	CIM	IM2

C	B	1	2	9	0	-	1	0	C	I	M

SERIE: CB1290
'Helical' mount from the CB1290 series

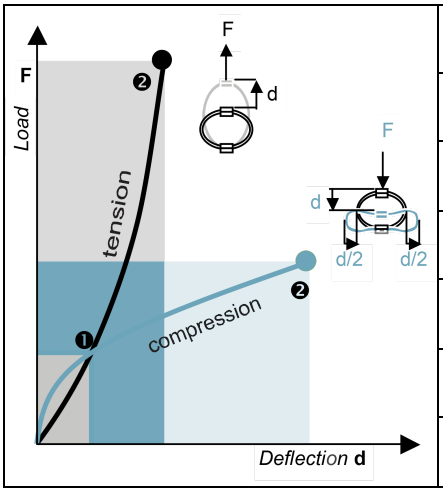
MODEL: -10
height: 48mm
width: 59mm
weight: 0,44kg
loops: serie
standard is 08 loops

INTERFACE: CIM
2 through holes ø7mm
counter-sunk 90° in bar 1,
2 inserts M6 in bar 2

SOCITEC

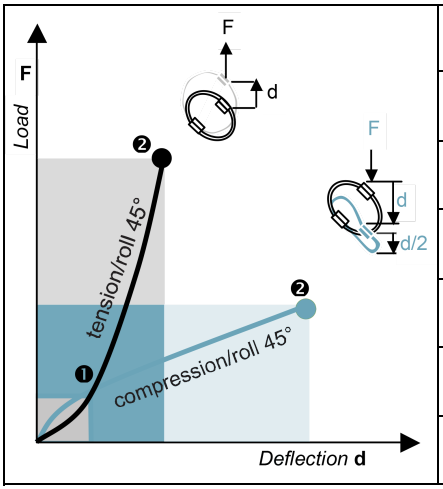
ISO 9001 BUREAU VERITAS Certification
RoHS COMPLIANT

WIRE ROPE ISOLATORS: 'HELICAL'



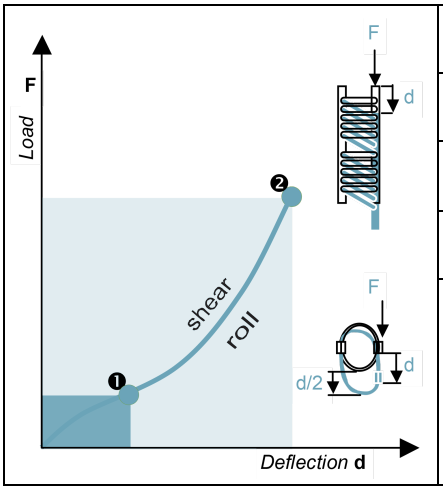
COMPRESSION AND TENSION

CB1290 Series	Model	-10	-20	-25	-30	-35	-38	-40	-50	-60
1. Max Static	F daN	174	137	106	82,5	63,7	56,4	49,9	46,0	33,7
	d mm	3,2	4,2	5,0	5,6	5,6	6,3	6,3	8,8	11,5
2. Max Shock	F daN	524	413	320	247	191	169	149	138	101
	d mm	17	22	27	30	30	34	34	47	62
3. Max Vibration	2a mm	1,9	2,5	3,0	3,4	3,4	3,8	3,8	5,2	6,8
	f Hz	9,4	8,1	7,5	7,2	7,4	7,0	7,0	5,8	5,0
1. Max Static	F daN	174	137	106	82,5	63,7	56,4	49,9	46,0	33,7
	d mm	2,7	3,4	4,2	5,2	5,6	6,3	6,3	8,2	10,4
2. Max Shock	F daN	1937	1481	1195	1004	949	830	546	570	403
	d mm	12	15	20	26	36	40	39	42	52
3. Max Vibration	2a mm	1,4	1,7	2,2	2,9	4,1	4,5	4,4	4,7	5,8
	f Hz	12,4	11,0	9,8	8,8	8,0	7,6	7,5	7,0	6,3



COMPRESSION/ROLL 45° - TENSION/ROLL 45°

CB1290 Series	Model	-10	-20	-25	-30	-35	-38	-40	-50	-60
1. Max Static	F daN	131	103	80,1	61,8	47,8	42,3	37,4	34,5	25,3
	d mm	4,9	6,4	7,8	9,3	10,0	11,1	11,4	14,6	18,6
2. Max Shock	F daN	349	273	213	167	133	117	105	93,7	68,3
	d mm	25	33	40	45	45	51	51	71	93
3. Max Vibration	2a mm	2,8	3,7	4,5	5,0	5,0	5,6	5,6	7,9	10,2
	f Hz	7,9	6,8	6,3	6,0	6,2	5,8	5,9	4,8	4,2
1. Max Static	F daN	131	103	80,1	61,8	47,8	42,3	37,4	34,5	25,3
	d mm	3,5	4,5	5,6	6,8	7,8	8,6	9,1	10,7	13,6
2. Max Shock	F daN	968	739	598	504	481	421	287	286	202
	d mm	14	17	23	30	42	46	45	48	60
3. Max Vibration	2a mm	1,6	2,0	2,5	3,4	4,6	5,1	5,0	5,4	6,6
	f Hz	11,1	9,8	8,8	7,9	7,2	6,8	6,8	6,3	5,6



SHEAR OR ROLL

CB1290 Series	Model	-10	-20	-25	-30	-35	-38	-40	-50	-60
1. Max Static	F daN	87,4	68,9	53,4	41,2	31,8	28,2	24,9	23,0	16,9
	d mm	4,1	5,6	6,9	8,0	8,3	9,3	9,6	13,0	17,2
2. Max Shock	F daN	541	395	309	254	232	200	158	137	95,4
	d mm	17	22	27	34	41	46	45	54	68
3. Max Vibration	2a mm	1,9	2,5	3,1	3,8	4,6	5,1	5,0	6,0	7,5
	f Hz	9,1	8,0	7,2	6,6	6,3	6,0	5,9	5,3	4,7

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)

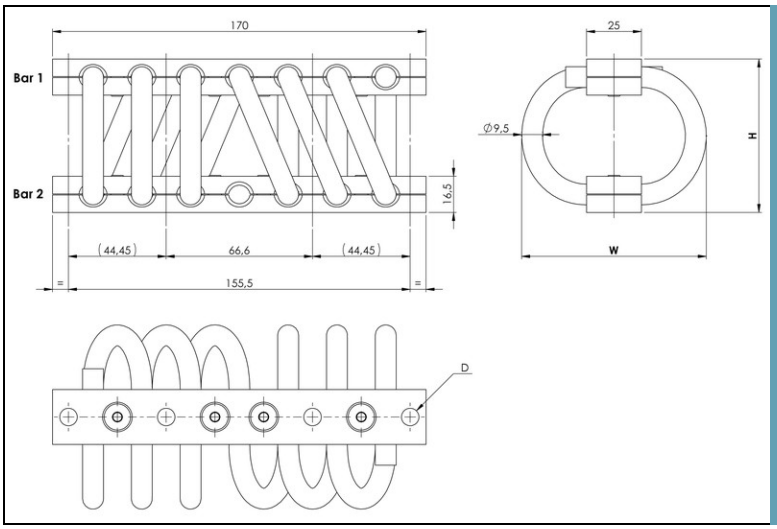
*IMPORTANT: Performance characteristics are given here for reference only. They can be increased under specific conditions. Contact us

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

WIRE ROPE ISOLATORS: 'HELICAL'

DEFINITION
series CB1300



- 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)

CB1300

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	68	80	0,71
-15	71	84	0,74
-20	74	90	0,76
-25	82	108	0,85
-30	77	104	0,82
-35	89	108	0,87
-40	105	121	0,96
-50	108	140	1,0
-60	124	143	1,1
-70	134	153	1,2
-80	155	180	1,3
-90	166	186	1,4

INTERFACES

fixtures holes D	Bar 1		
Bar 2	2 through holes ø7mm	2 through holes ø7mm counter-sunk 90°	4 inserts M6
2 through holes ø7mm	no suffix	not standard	not standard
2 through holes ø7mm counter-sunk 90°	CM	CM2	not standard
4 inserts M6	IM	CIM	IM2

C	B	1	3	0	0	-	1	2	C	I	M

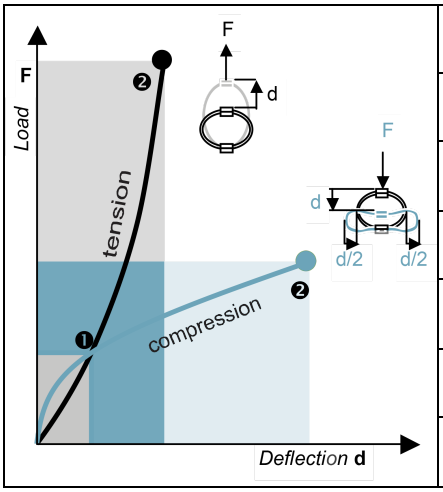
SERIE: CB1300
'Helical' mount from the CB1300 series

MODEL: -12
height: 68mm
width: 80mm
weight: 0,71kg
loops: serie
standard is 06 loops

INTERFACE: CIM
2 through holes ø7mm
counter-sunk 90° in bar 1,
4 inserts M6 in bar 2

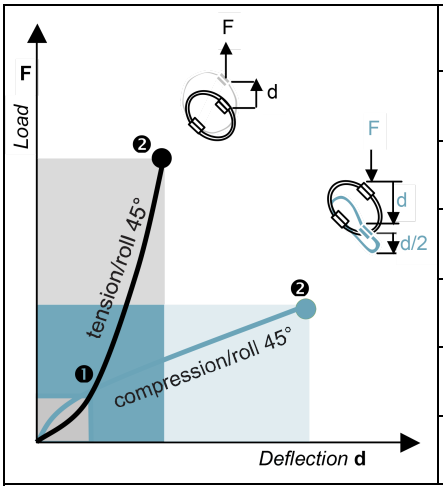
SOCITEC

WIRE ROPE ISOLATORS: 'HELICAL'



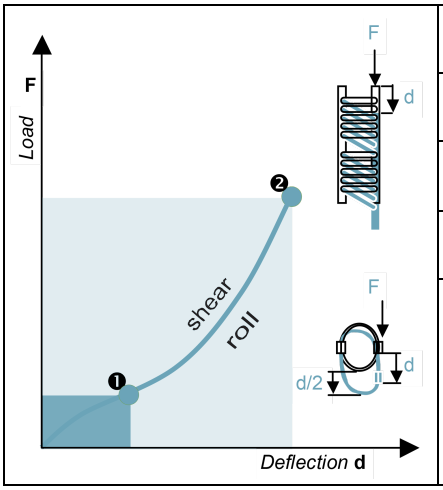
COMPRESSION AND TENSION

CB1300 Series	Model	-12	-15	-20	-25	-30	-35	-40	-50	-60	-70	-80	-90
1. Max Static	F daN	163	146	127	83,8	90,1	85,9	66,8	48,8	47,8	41,7	30,2	28,4
	d mm	5,3	5,9	6,7	8,1	7,3	9,3	11,3	12,4	14,6	16,0	20,0	20,9
2. Max Shock	F daN	489	439	381	251	270	257	200	146	143	125	90,5	85,2
	d mm	31	34	36	44	39	50	64	67	81	90	109	119
3. Max Vibration	2a mm	3,5	3,8	4,1	4,8	4,4	5,5	7,1	7,4	9,0	10,0	12,1	13,2
	f Hz	6,2	6,0	5,9	5,8	6,2	5,1	4,4	4,7	3,9	3,7	3,4	3,2
1. Max Static	F daN	163	146	127	83,8	90,1	85,9	66,8	48,8	47,8	41,7	30,2	28,4
	d mm	3,6	4,0	4,6	6,6	6,2	6,5	7,7	10,0	9,9	10,9	13,8	14,2
2. Max Shock	F daN	1400	1280	1173	899	1010	807	591	516	430	372	278	251
	d mm	13	15	18	30	29	26	29	45	39	42	55	55
3. Max Vibration	2a mm	1,5	1,7	2,1	3,4	3,3	2,9	3,3	5,0	4,3	4,7	6,1	6,1
	f Hz	10,8	10,2	9,5	7,9	8,1	8,0	7,4	6,4	6,5	6,2	5,5	5,4



COMPRESSION/ROLL 45° - TENSION/ROLL 45°

CB1300 Series	Model	-12	-15	-20	-25	-30	-35	-40	-50	-60	-70	-80	-90
1. Max Static	F daN	122	109	95,4	62,8	67,6	64,4	50,1	36,6	35,8	31,3	22,6	21,3
	d mm	7,5	8,3	9,4	12,5	11,5	13,0	15,9	19,0	20,4	22,5	28,0	29,4
2. Max Shock	F daN	310	279	245	166	180	166	127	96,6	91,7	79,9	58,2	54,3
	d mm	47	51	55	66	59	75	97	101	122	136	164	179
3. Max Vibration	2a mm	5,2	5,6	6,1	7,3	6,5	8,3	10,7	11,1	13,5	15,0	18,1	19,8
	f Hz	5,3	5,2	5,1	4,9	5,2	4,4	3,8	3,9	3,4	3,2	3,0	2,8
1. Max Static	F daN	122	109	95,4	62,8	67,6	64,4	50,1	36,6	35,8	31,3	22,6	21,3
	d mm	4,7	5,3	6,2	8,7	8,2	8,6	10,2	13,2	13,2	14,5	18,3	18,8
2. Max Shock	F daN	689	630	580	449	505	399	291	257	212	183	137	124
	d mm	15	17	21	34	34	30	34	52	44	49	63	63
3. Max Vibration	2a mm	1,7	1,9	2,4	3,8	3,8	3,4	3,8	5,7	4,9	5,4	7,0	7,0
	f Hz	9,6	9,1	8,4	7,0	7,3	7,1	6,6	5,7	5,8	5,5	4,9	4,8



SHEAR OR ROLL

CB1300 Series	Model	-12	-15	-20	-25	-30	-35	-40	-50	-60	-70	-80	-90
1. Max Static	F daN	81,6	73,3	63,6	41,9	45,1	42,9	33,4	24,4	23,9	20,8	15,1	14,2
	d mm	8,2	8,9	9,6	11,6	10,4	13,5	17,8	18,4	22,7	25,4	30,8	33,9
2. Max Shock	F daN	350	319	293	223	253	195	138	123	99,6	85,6	63,7	56,8
	d mm	25	28	31	43	41	44	53	66	69	76	94	99
3. Max Vibration	2a mm	2,8	3,1	3,5	4,8	4,5	4,9	5,9	7,3	7,6	8,4	10,4	10,9
	f Hz	7,2	6,9	6,6	5,8	6,0	5,6	5,0	4,7	4,4	4,2	3,8	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)

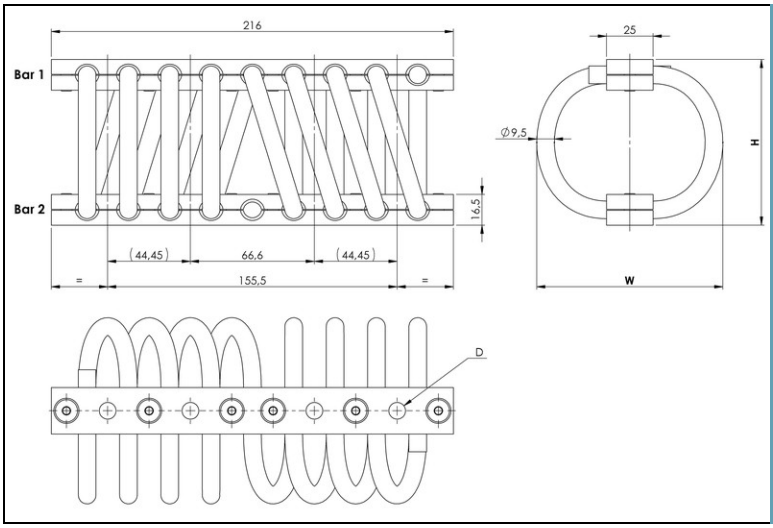
*IMPORTANT: Performance characteristics are given here for reference only. They can be increased under specific conditions. Contact us

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

WIRE ROPE ISOLATORS: 'HELICAL'

DEFINITION
series CB1380



- 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)

CB1380

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	68	80	0,93
-15	71	84	0,96
-20	74	90	1,0
-25	82	108	1,1
-30	77	104	1,1
-35	89	108	1,1
-40	105	121	1,3
-50	108	140	1,4
-60	124	143	1,4
-70	134	153	1,5
-80	155	180	1,7
-90	166	186	1,8

INTERFACES

fixtures holes D	Bar 1		
Bar 2	4 through holes ø8,4mm	4 through holes ø8,4mm counter-sunk 90°	4 inserts M8
4 through holes ø8,4mm	no suffix	not standard	not standard
4 through holes ø8,4mm counter-sunk 90°	CM	CM2	not standard
4 inserts M8	IM	CIM	IM2

C	B	1	3	8	0	-	1	2	C	I	M

SERIE: CB1380
'Helical' mount from the CB1380 series

MODEL: -12
height: 68mm
width: 80mm
weight: 0,93kg
loops: serie
standard is 08 loops

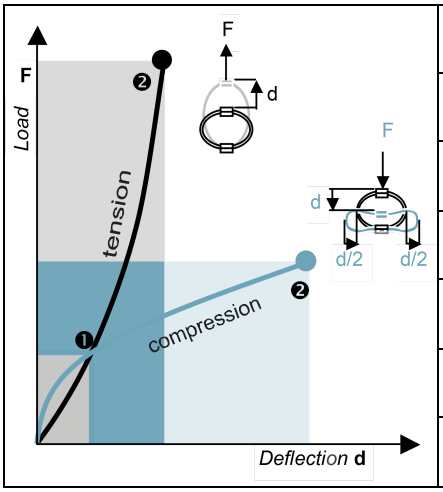
INTERFACE: CIM
4 through holes ø8,4mm
counter-sunk 90° in bar 1,
4 inserts M8 in bar 2

SOCITEC

ISO 9001 BUREAU VERITAS Certification

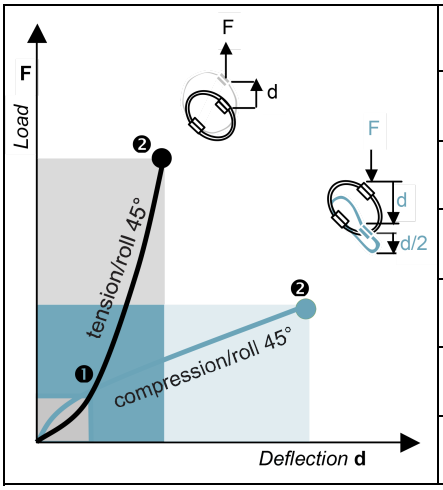
RoHS COMPLIANT

WIRE ROPE ISOLATORS: 'HELICAL'



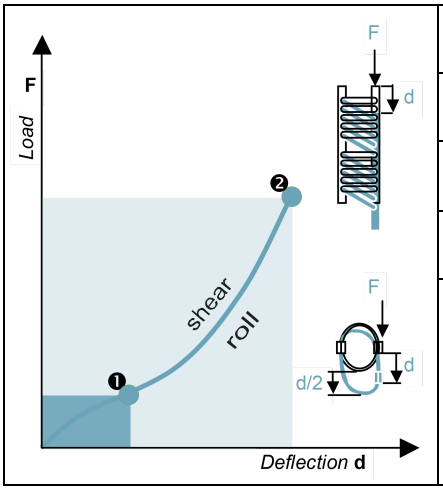
COMPRESSION AND TENSION

CB1380 Series	Model	-12	-15	-20	-25	-30	-35	-40	-50	-60	-70	-80	-90
1. Max Static	F daN	217	195	169	111	120	114	89,1	65,0	63,7	55,6	40,2	37,9
	d mm	5,3	5,9	6,7	8,1	7,3	9,3	11,3	12,4	14,6	16,0	20,0	20,9
2. Max Shock	F daN	652	586	508	335	360	343	267	195	191	166	120	113
	d mm	31	34	36	44	39	50	64	67	81	90	109	119
3. Max Vibration	2a mm	3,5	3,8	4,1	4,8	4,4	5,5	7,1	7,4	9,0	10,0	12,1	13,2
	f Hz	6,2	6,0	5,9	5,8	6,2	5,1	4,4	4,7	3,9	3,7	3,4	3,2
1. Max Static	F daN	217	195	169	111	120	114	89,1	65,0	63,7	55,6	40,2	37,9
	d mm	3,6	4,0	4,6	6,6	6,2	6,5	7,7	10,0	9,9	10,9	13,8	14,2
2. Max Shock	F daN	1867	1707	1564	1199	1347	1076	789	688	573	497	371	335
	d mm	13	15	18	30	29	26	29	45	39	42	55	55
3. Max Vibration	2a mm	1,5	1,7	2,1	3,4	3,3	2,9	3,3	5,0	4,3	4,7	6,1	6,1
	f Hz	10,8	10,2	9,5	7,9	8,1	8,0	7,4	6,4	6,5	6,2	5,5	5,4



COMPRESSION/ROLL 45° - TENSION/ROLL 45°

CB1380 Series	Model	-12	-15	-20	-25	-30	-35	-40	-50	-60	-70	-80	-90
1. Max Static	F daN	163	146	127	83,8	90,1	85,9	66,8	48,8	47,8	41,7	30,2	28,4
	d mm	7,5	8,3	9,4	12,5	11,5	13,0	15,9	19,0	20,4	22,5	28,0	29,4
2. Max Shock	F daN	413	372	327	221	240	221	170	128	122	106	77,6	72,4
	d mm	47	51	55	66	59	75	97	101	122	136	164	179
3. Max Vibration	2a mm	5,2	5,6	6,1	7,3	6,5	8,3	10,7	11,1	13,5	15,0	18,1	19,8
	f Hz	5,3	5,2	5,1	4,9	5,2	4,4	3,8	3,9	3,4	3,2	3,0	2,8
1. Max Static	F daN	163	146	127	83,8	90,1	85,9	66,8	48,8	47,8	41,7	30,2	28,4
	d mm	4,7	5,3	6,2	8,7	8,2	8,6	10,2	13,2	13,2	14,5	18,3	18,8
2. Max Shock	F daN	918	841	773	598	674	532	388	343	283	245	183	165
	d mm	15	17	21	34	34	30	34	52	44	49	63	63
3. Max Vibration	2a mm	1,7	1,9	2,4	3,8	3,8	3,4	3,8	5,7	4,9	5,4	7,0	7,0
	f Hz	9,6	9,1	8,4	7,0	7,3	7,1	6,6	5,7	5,8	5,5	4,9	4,8



SHEAR OR ROLL

CB1380 Series	Model	-12	-15	-20	-25	-30	-35	-40	-50	-60	-70	-80	-90
1. Max Static	F daN	108	97,7	84,8	55,9	60,1	57,2	44,6	32,5	31,9	27,8	20,1	18,9
	d mm	8,2	8,9	9,6	11,6	10,4	13,5	17,8	18,4	22,7	25,4	30,8	33,9
2. Max Shock	F daN	467	425	391	297	338	261	185	164	132	114	84,9	75,8
	d mm	25	28	31	43	41	44	53	66	69	76	94	99
3. Max Vibration	2a mm	2,8	3,1	3,5	4,8	4,5	4,9	5,9	7,3	7,6	8,4	10,4	10,9
	f Hz	7,2	6,9	6,6	5,8	6,0	5,6	5,0	4,7	4,4	4,2	3,8	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)

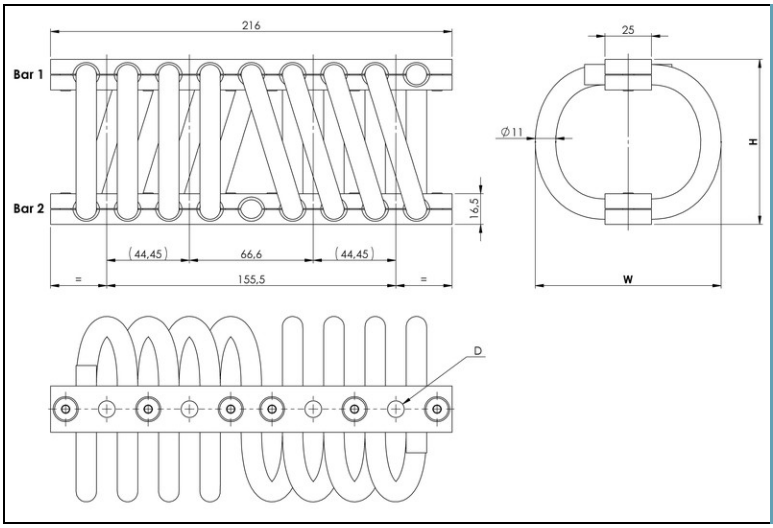
*IMPORTANT: Performance characteristics are given here for reference only. They can be increased under specific conditions. Contact us

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

WIRE ROPE ISOLATORS: 'HELICAL'

DEFINITION
series CB1390



- 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)

CB1390

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	68	83	1,1
-15	71	87	1,1
-20	74	93	1,2
-30	77	107	1,3
-35	89	111	1,4
-40	105	124	1,6
-50	108	143	1,7
-60	124	146	1,8
-70	134	156	1,9
-80	155	183	2,2

INTERFACES

fixtures holes D	Bar 1		
Bar 2	4 through holes ø8,4mm	4 through holes ø8,4mm counter-sunk 90°	4 inserts M8
4 through holes ø8,4mm	no suffix	not standard	not standard
4 through holes ø8,4mm counter-sunk 90°	CM	CM2	not standard
4 inserts M8	IM	CIM	IM2

C	B	1	3	9	0	-	1	2	C	I	M

SERIE: CB1390
'Helical' mount from the CB1390 series

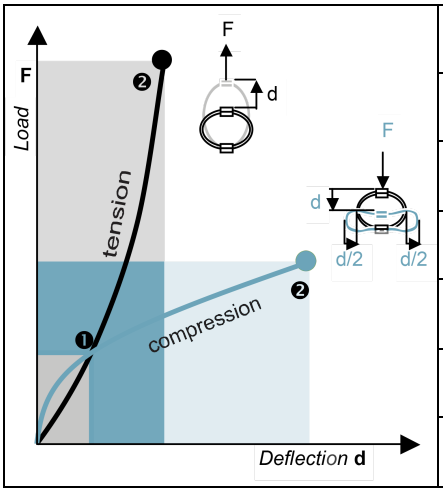
MODEL: -12
height: 68mm
width: 83mm
weight: 1,1kg
loops: serie
standard is 08 loops

INTERFACE: CIM
4 through holes ø8,4mm
counter-sunk 90° in bar 1,
4 inserts M8 in bar 2

SOCITEC

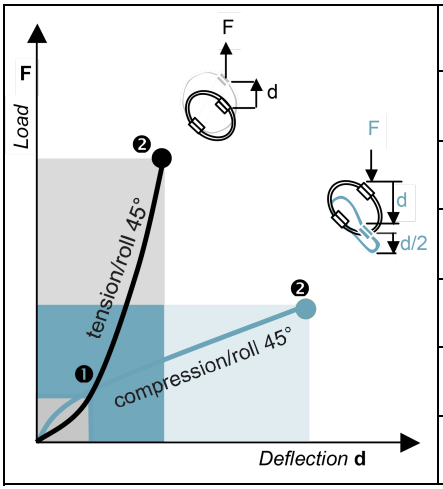
ISO 9001 BUREAU VERITAS Certification
RoHS COMPLIANT

WIRE ROPE ISOLATORS: 'HELICAL'



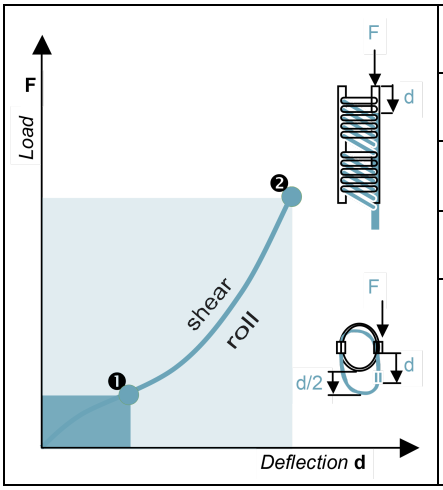
COMPRESSION AND TENSION

CB1390 Series	Model	-12	-15	-20	-30	-35	-40	-50	-60	-70	-80
1. Max Static	F daN	360	324	282	198	190	150	108	106	93,5	67,8
	d mm	5,5	6,1	6,8	7,3	9,3	11,5	12,4	14,8	16,3	20,3
2. Max Shock	F daN	1081	973	846	596	570	450	326	320	280	203
	d mm	31	34	36	39	50	64	67	81	90	109
3. Max Vibration	2a mm	3,5	3,8	4,1	4,4	5,5	7,1	7,4	9,0	10,0	12,1
	f Hz	6,3	6,1	6,0	6,2	5,2	4,4	4,7	4,0	3,7	3,5
1. Max Static	F daN	360	324	282	198	190	150	108	106	93,5	67,8
	d mm	3,7	4,2	4,8	6,4	6,7	7,9	10,2	10,1	11,1	14,0
2. Max Shock	F daN	3198	2925	2682	2290	1826	1351	1173	976	846	632
	d mm	14	16	19	31	28	31	47	40	44	57
3. Max Vibration	2a mm	1,6	1,8	2,2	3,4	3,1	3,4	5,2	4,5	4,9	6,3
	f Hz	10,5	10,0	9,3	8,0	7,9	7,3	6,4	6,4	6,1	5,4



COMPRESSION/ROLL 45° - TENSION/ROLL 45°

CB1390 Series	Model	-12	-15	-20	-30	-35	-40	-50	-60	-70	-80
1. Max Static	F daN	270	243	211	149	142	112	81,7	80,2	70,1	50,9
	d mm	7,8	8,5	9,6	11,7	13,3	16,2	19,2	20,7	22,8	28,3
2. Max Shock	F daN	689	623	547	399	369	288	216	205	179	131
	d mm	47	51	55	59	75	97	101	122	136	164
3. Max Vibration	2a mm	5,2	5,6	6,1	6,5	8,3	10,7	11,1	13,5	15,0	18,1
	f Hz	5,4	5,2	5,2	5,2	4,4	3,8	4,0	3,4	3,2	3,0
1. Max Static	F daN	270	243	211	149	142	112	81,7	80,2	70,1	50,9
	d mm	5,0	5,5	6,4	8,4	8,8	10,5	13,4	13,5	14,8	18,6
2. Max Shock	F daN	1577	1444	1328	1148	905	667	585	482	417	313
	d mm	16	18	22	35	32	35	53	46	50	65
3. Max Vibration	2a mm	1,8	2,1	2,5	3,9	3,5	3,9	5,9	5,1	5,6	7,2
	f Hz	9,4	8,9	8,3	7,2	7,0	6,5	5,7	5,7	5,4	4,9



SHEAR OR ROLL

CB1390 Series	Model	-12	-15	-20	-30	-35	-40	-50	-60	-70	-80
1. Max Static	F daN	180	162	141	99,4	95,0	75,0	54,4	53,4	46,8	33,9
	d mm	8,1	8,8	9,6	10,4	13,4	17,7	18,4	22,7	25,3	30,8
2. Max Shock	F daN	809	735	674	573	444	318	280	226	195	145
	d mm	26	28	32	42	45	54	67	69	77	95
3. Max Vibration	2a mm	2,9	3,2	3,6	4,6	5,0	6,0	7,4	7,7	8,5	10,5
	f Hz	7,2	6,8	6,5	5,9	5,6	5,0	4,6	4,4	4,2	3,8

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)

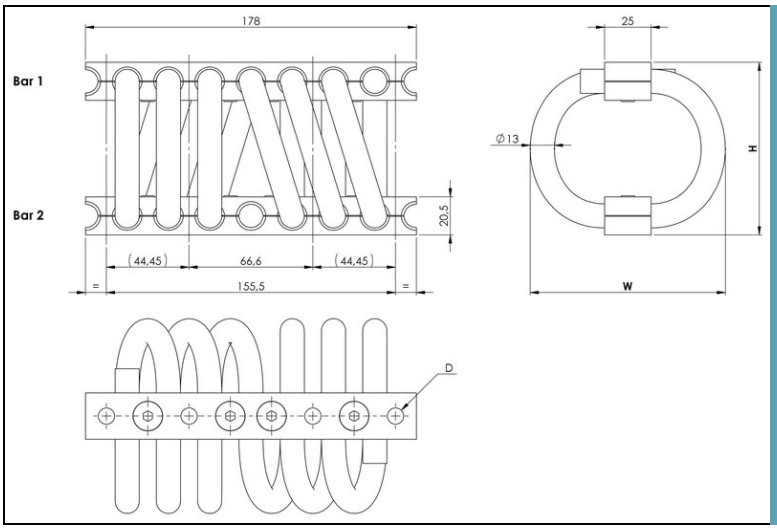
*IMPORTANT: Performance characteristics are given here for reference only. They can be increased under specific conditions. Contact us

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

WIRE ROPE ISOLATORS: 'HELICAL'

DEFINITION
series CB61400



- 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)

CB61400

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)
-10	76	84	1,2
-12	76	92	1,3
-15	83	102	1,4
-17	89	105	1,5
-20	95	121	1,6
-30	108	133	1,8
-40	124	143	1,9
-50	137	156	2,1
-60	155	180	2,4
-70	166	186	2,5
-80	175	210	2,7

INTERFACES

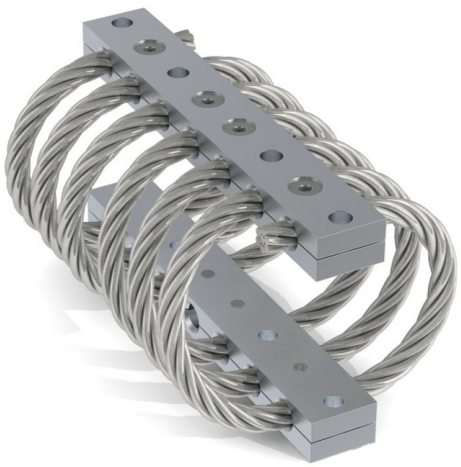
fixtures holes D	Bar 1		
Bar 2	4 through holes ø8,4mm	4 through holes ø 8,4mm counter-sunk 90°	4 inserts M8
4 through holes ø8,4mm	no suffix	not standard	not standard
4 through holes ø8,4mm counter-sunk 90°	CM	CM2	not standard
4 inserts M8	IM	CIM	IM2

C	B	6	1	4	0	0	-	1	0	C	I	M

SERIE: CB61400
'Helical' mount from the CB61400 series

MODEL: -10
height: 76mm
width: 84mm
weight: 1,2kg
loops: serie
standard is 06 loops

INTERFACE: CIM
4 through holes ø 8,4mm
counter-sunk 90° in bar 1,
4 inserts M8 in bar 2



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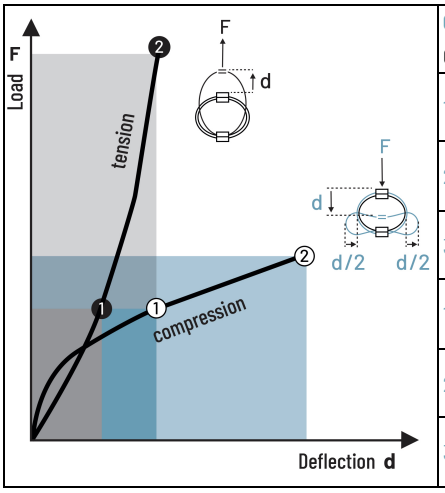
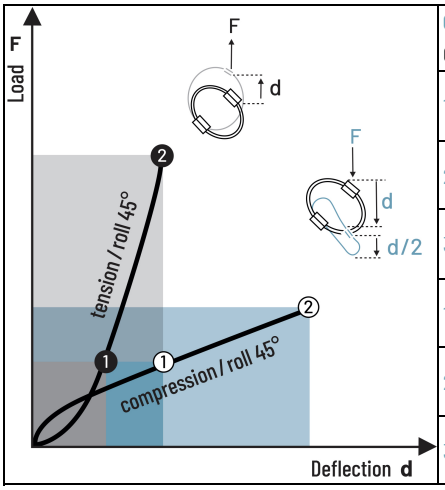
WIRE ROPE ISOLATORS: 'HELICAL'



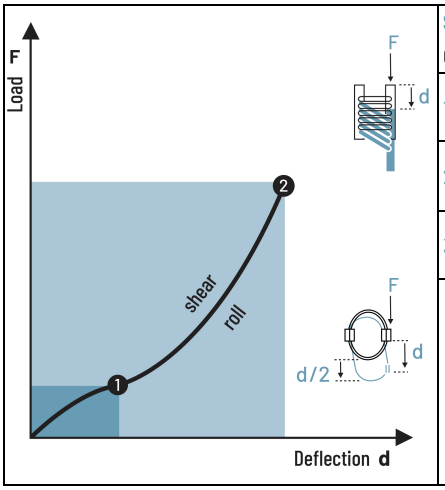
COMPRESSION AND TENSION

CB61400 Series	Model	-10	-12	-15	-17	-20	-30	-40	-50	-60	-70	-80
1. Max Static	F daN	466	391	313	294	213	176	154	129	97,2	91,6	71,7
	d mm	5,1	5,8	7,0	8,0	9,0	11,1	13,7	15,6	18,9	20,1	22,2
2. Max Shock	F daN	1399	1174	939	882	639	530	463	389	291	274	215
	d mm	31	31	37	43	48	60	74	86	102	112	120
3. Max Vibration	2a mm	3,5	3,5	4,2	4,8	5,4	6,6	8,2	9,5	11,3	12,4	13,3
	f Hz	6,0	6,6	6,1	5,6	5,5	4,9	4,2	3,9	3,6	3,4	3,4
1. Max Static	F daN	466	391	313	294	213	176	154	129	97,2	91,6	71,7
	d mm	3,4	4,3	5,4	5,6	7,4	8,6	9,4	10,7	13,3	13,7	16,6
2. Max Shock	F daN	3876	3859	3180	2779	2307	1805	1432	1186	917	826	709
	d mm	12	18	23	23	34	37	38	43	54	54	71
3. Max Vibration	2a mm	1,4	2,0	2,6	2,5	3,8	4,2	4,2	4,7	6,0	6,0	7,8
	f Hz	11,1	9,8	8,8	8,6	7,5	6,9	6,6	6,2	5,6	5,5	5,0



COMPRESSION/ROLL 45° - TENSION/ROLL 45°

CB61400 Series	Model	-10	-12	-15	-17	-20	-30	-40	-50	-60	-70	-80
1. Max Static	F daN	349	293	234	220	159	132	115	97,3	72,9	68,7	53,8
	d mm	7,2	8,4	10,4	11,2	13,8	16,6	19,1	21,9	26,7	28,1	32,5
2. Max Shock	F daN	879	765	615	570	424	348	298	249	188	175	140
	d mm	47	47	56	64	72	90	112	129	153	168	180
3. Max Vibration	2a mm	5,2	5,2	6,2	7,1	8,0	10,0	12,3	14,3	16,9	18,6	19,9
	f Hz	5,2	5,6	5,2	4,8	4,7	4,1	3,6	3,3	3,1	2,9	2,9
1. Max Static	F daN	349	293	234	220	159	132	115	97,3	72,9	68,7	53,8
	d mm	4,5	5,7	7,1	7,4	9,7	11,4	12,5	14,2	17,6	18,2	22,0
2. Max Shock	F daN	1902	1916	1582	1376	1152	898	708	586	454	408	352
	d mm	14	21	26	26	39	43	43	49	62	62	81
3. Max Vibration	2a mm	1,6	2,3	3,0	2,9	4,3	4,8	4,8	5,4	6,9	6,8	9,0
	f Hz	9,9	8,8	7,8	7,7	6,7	6,2	5,9	5,6	5,0	4,9	4,5



SHEAR OR ROLL

CB61400 Series	Model	-10	-12	-15	-17	-20	-30	-40	-50	-60	-70	-80
1. Max Static	F daN	233	195	156	147	106	88,4	77,3	64,9	48,6	45,8	35,8
	d mm	8,0	7,8	9,6	11,1	12,7	16,0	20,3	23,7	28,3	31,4	33,6
2. Max Shock	F daN	988	1026	825	703	580	443	341	278	214	190	165
	d mm	24	28	35	38	48	57	64	73	90	95	111
3. Max Vibration	2a mm	2,7	3,2	3,9	4,2	5,4	6,3	7,1	8,1	10,0	10,5	12,2
	f Hz	7,3	7,0	6,3	6,0	5,4	5,0	4,6	4,3	3,9	3,8	3,6

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)

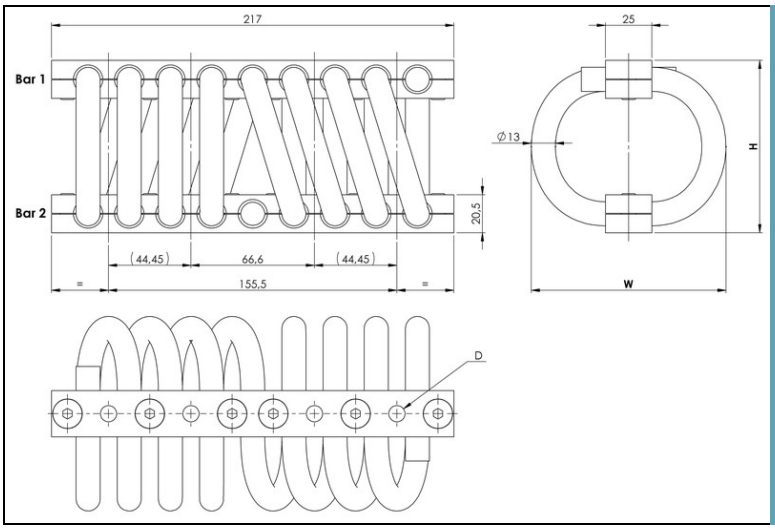
*IMPORTANT: Performance characteristics are given here for reference only. They can be increased under specific conditions. Contact us

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

WIRE ROPE ISOLATORS: 'HELICAL'

DEFINITION
series CB1400



- 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)

CB1400

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)
-10	76	84	1,6
-12	76	92	1,6
-15	83	102	1,8
-17	89	105	1,9
-20	95	121	2,0
-30	108	133	2,3
-40	124	143	2,5
-50	137	156	2,7
-60	155	180	3,1
-70	166	186	3,2
-80	175	210	3,5

INTERFACES

fixtures holes D	Bar 1		
Bar 2	4 through holes ø8,4mm	4 through holes ø8,4mm counter-sunk 90°	4 inserts M8
4 through holes ø8,4mm	no suffix	not standard	not standard
4 through holes ø8,4mm counter-sunk 90°	CM	CM2	not standard
4 inserts M8	IM	CIM	IM2

C	B	1	4	0	0	-	1	0	C	I	M

SERIE: CB1400
'Helical' mount from the CB1400 series

MODEL: -10
height: 76mm
width: 84mm
weight: 1,6kg
loops: serie
standard is 08 loops

INTERFACE: CIM
4 through holes ø8,4mm
counter-sunk 90° in bar 1,
4 inserts M8 in bar 2

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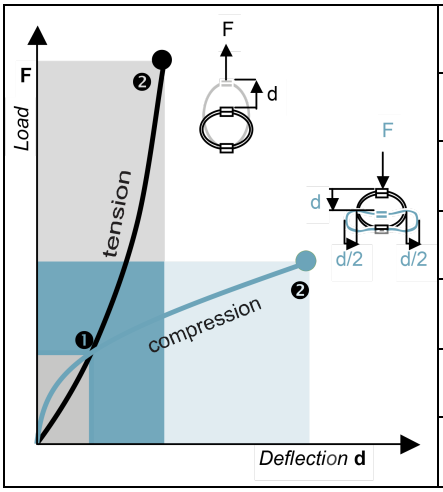
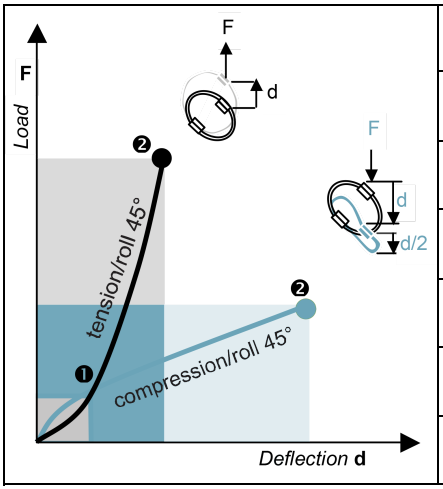
WIRE ROPE ISOLATORS: 'HELICAL'



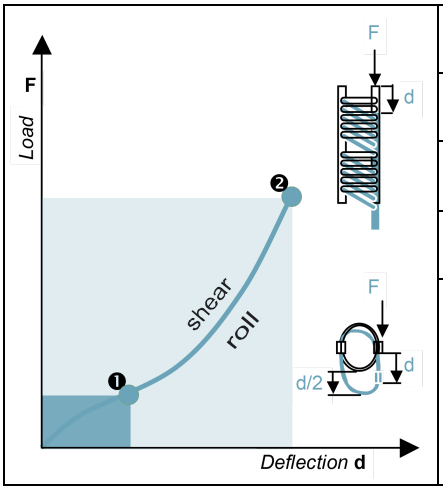
COMPRESSION AND TENSION

CB1400 Series	Model	-10	-12	-15	-17	-20	-30	-40	-50	-60	-70	-80
1. Max Static	F daN	622	522	417	392	284	235	206	172	129	122	95,6
	d mm	5,1	5,8	7,0	8,0	9,0	11,1	13,7	15,6	18,9	20,1	22,2
2. Max Shock	F daN	1866	1566	1253	1176	852	707	618	518	388	366	286
	d mm	31	31	37	43	48	60	74	86	102	112	120
3. Max Vibration	2a mm	3,5	3,5	4,2	4,8	5,4	6,6	8,2	9,5	11,3	12,4	13,3
	f Hz	6,0	6,6	6,1	5,6	5,5	4,9	4,2	3,9	3,6	3,4	3,4
1. Max Static	F daN	622	522	417	392	284	235	206	172	129	122	95,6
	d mm	3,4	4,3	5,4	5,6	7,4	8,6	9,4	10,7	13,3	13,7	16,6
2. Max Shock	F daN	5168	5145	4240	3705	3076	2407	1910	1581	1223	1102	946
	d mm	12	18	23	23	34	37	38	43	54	54	71
3. Max Vibration	2a mm	1,4	2,0	2,6	2,5	3,8	4,2	4,2	4,7	6,0	6,0	7,8
	f Hz	11,1	9,8	8,8	8,6	7,5	6,9	6,6	6,2	5,6	5,5	5,0



COMPRESSION/ROLL 45° - TENSION/ROLL 45°

CB1400 Series	Model	-10	-12	-15	-17	-20	-30	-40	-50	-60	-70	-80
1. Max Static	F daN	466	391	313	294	213	176	154	129	97,2	91,6	71,7
	d mm	7,2	8,4	10,4	11,2	13,8	16,6	19,1	21,9	26,7	28,1	32,5
2. Max Shock	F daN	1173	1020	821	760	565	464	398	333	251	234	187
	d mm	47	47	56	64	72	90	112	129	153	168	180
3. Max Vibration	2a mm	5,2	5,2	6,2	7,1	8,0	10,0	12,3	14,3	16,9	18,6	19,9
	f Hz	5,2	5,6	5,2	4,8	4,7	4,1	3,6	3,3	3,1	2,9	2,9
1. Max Static	F daN	466	391	313	294	213	176	154	129	97,2	91,6	71,7
	d mm	4,5	5,7	7,1	7,4	9,7	11,4	12,5	14,2	17,6	18,2	22,0
2. Max Shock	F daN	2536	2555	2109	1835	1536	1198	944	781	605	544	470
	d mm	14	21	26	26	39	43	43	49	62	62	81
3. Max Vibration	2a mm	1,6	2,3	3,0	2,9	4,3	4,8	4,8	5,4	6,9	6,8	9,0
	f Hz	9,9	8,8	7,8	7,7	6,7	6,2	5,9	5,6	5,0	4,9	4,5



SHEAR OR ROLL

CB1400 Series	Model	-10	-12	-15	-17	-20	-30	-40	-50	-60	-70	-80
1. Max Static	F daN	311	261	208	196	142	117	103	86,5	64,8	61,1	47,8
	d mm	8,0	7,8	9,6	11,1	12,7	16,0	20,3	23,7	28,3	31,4	33,6
2. Max Shock	F daN	1317	1368	1100	937	774	591	455	371	285	253	220
	d mm	24	28	35	38	48	57	64	73	90	95	111
3. Max Vibration	2a mm	2,7	3,2	3,9	4,2	5,4	6,3	7,1	8,1	10,0	10,5	12,2
	f Hz	7,3	7,0	6,3	6,0	5,4	5,0	4,6	4,3	3,9	3,8	3,6

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)

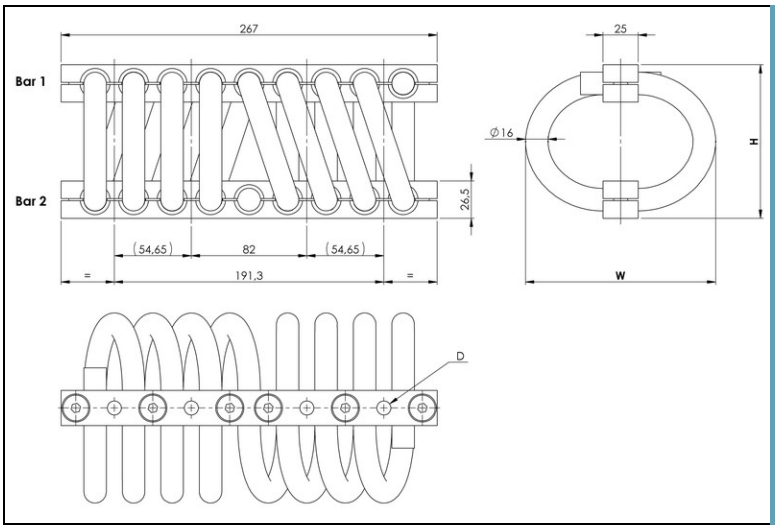
*IMPORTANT: Performance characteristics are given here for reference only. They can be increased under specific conditions. Contact us

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

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)
-10	89	89	2,5
-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

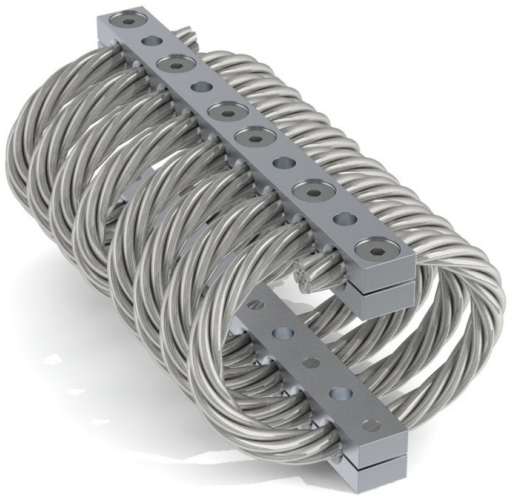
fixtures holes D	Bar 1		
Bar 2	4 through holes ø10,5mm	4 through holes ø10,5mm counter-sunk 90°	4 inserts M10
4 through holes ø10,5mm	no suffix	not standard	not standard
4 through holes ø10,5mm counter-sunk 90°	CM	CM2	not standard
4 inserts M10	IM	CIM	IM2

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

SERIE: CB1500
'Helical' mount from the CB1500 series

MODEL: -10
height: 89mm
width: 89mm
weight: 2,5kg
loops: serie
standard is 08 loops

INTERFACE: CIM
4 through holes ø10,5mm counter-sunk 90° in bar 1,
4 inserts M10 in bar 2



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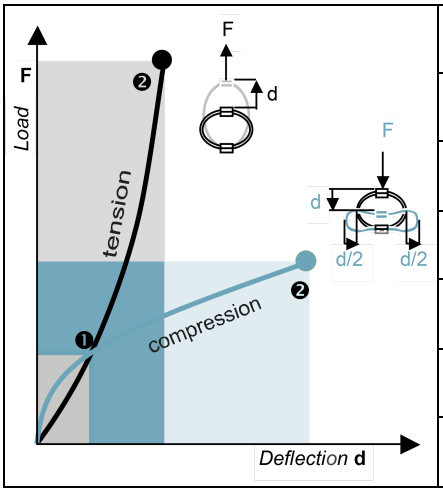
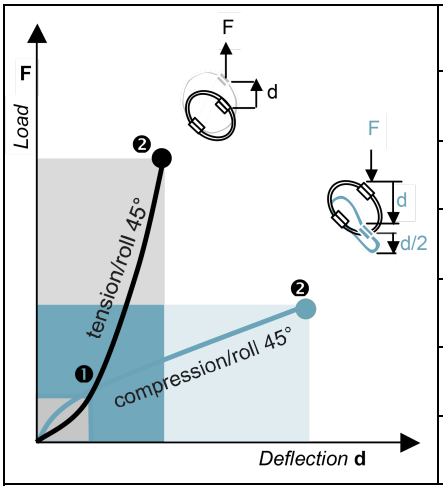
WIRE ROPE ISOLATORS: 'HELICAL'



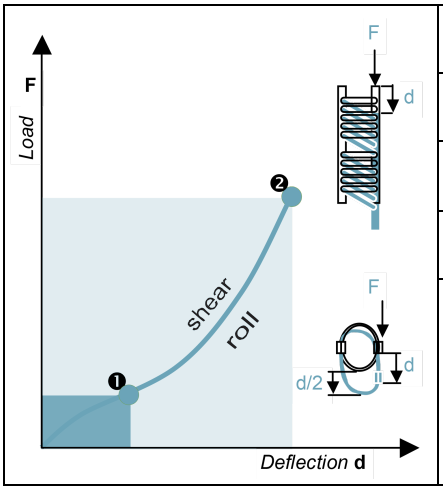
COMPRESSION AND TENSION

CB1500 Series	Model	-10	-12	-15	-17	-20	-30	-40	-50	-60
1. Max Static	F daN	1035	801	662	566	440	344	291	250	236
	d mm	5,0	6,0	7,1	7,8	9,3	11,0	12,3	13,6	15,4
2. Max Shock	F daN	3107	2405	1986	1698	1320	1032	874	752	710
	d mm	32	32	38	42	50	59	66	73	83
3. Max Vibration	2a mm	3,6	3,6	4,3	4,6	5,5	6,5	7,3	8,1	9,2
	f Hz	5,8	6,7	6,2	6,0	5,5	5,1	4,9	4,6	4,3
1. Max Static	F daN	1035	801	662	566	440	344	291	250	236
	d mm	3,3	4,7	5,8	6,6	8,2	10,0	11,4	12,8	13,6
2. Max Shock	F daN	8334	8350	7030	6296	5105	4150	3583	3131	2733
	d mm	11	21	26	31	40	50	59	67	66
3. Max Vibration	2a mm	1,3	2,3	2,9	3,4	4,4	5,6	6,5	7,4	7,3
	f Hz	11,2	9,4	8,5	7,9	7,1	6,4	6,0	5,6	5,5



COMPRESSION/ROLL 45° - TENSION/ROLL 45°

CB1500 Series	Model	-10	-12	-15	-17	-20	-30	-40	-50	-60
1. Max Static	F daN	776	601	496	424	330	258	218	188	177
	d mm	7,2	9,0	10,9	12,2	14,9	17,9	20,2	22,6	24,7
2. Max Shock	F daN	1938	1583	1312	1131	886	697	592	510	476
	d mm	48	48	58	63	75	89	99	110	125
3. Max Vibration	2a mm	5,4	5,4	6,4	7,0	8,3	9,8	11,0	12,2	13,8
	f Hz	5,0	5,7	5,2	5,0	4,6	4,3	4,1	3,9	3,6
1. Max Static	F daN	776	601	496	424	330	258	218	188	177
	d mm	4,4	6,2	7,6	8,7	10,7	13,1	14,9	16,7	17,8
2. Max Shock	F daN	4079	4161	3507	3149	2559	2085	1802	1576	1370
	d mm	13	24	30	35	46	58	67	76	76
3. Max Vibration	2a mm	1,5	2,7	3,3	3,9	5,1	6,4	7,4	8,4	8,4
	f Hz	10,0	8,4	7,6	7,0	6,3	5,7	5,3	5,0	4,9



SHEAR OR ROLL

CB1500 Series	Model	-10	-12	-15	-17	-20	-30	-40	-50	-60
1. Max Static	F daN	517	400	331	283	220	172	145	125	118
	d mm	8,1	7,7	9,5	10,5	12,9	15,6	17,7	19,9	22,5
2. Max Shock	F daN	2168	2316	1893	1671	1317	1044	887	765	665
	d mm	24	31	38	43	54	66	75	84	89
3. Max Vibration	2a mm	2,7	3,4	4,2	4,8	5,9	7,3	8,3	9,3	9,8
	f Hz	7,3	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)

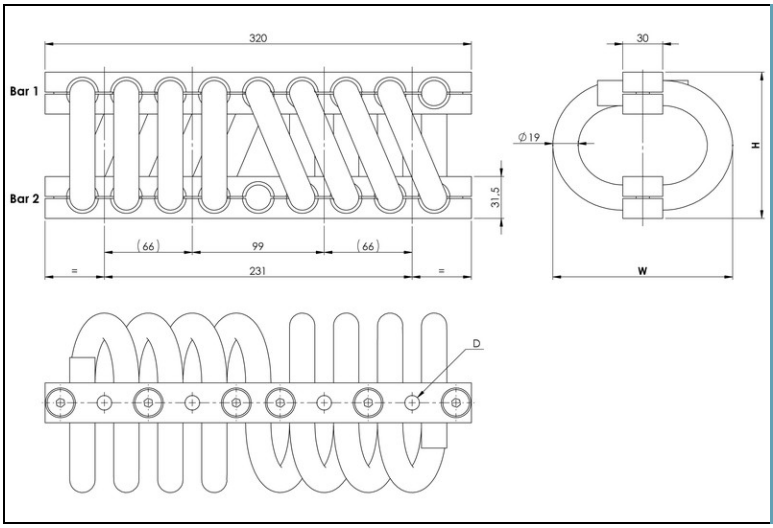
*IMPORTANT: Performance characteristics are given here for reference only. They can be increased under specific conditions. Contact us

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

WIRE ROPE ISOLATORS: 'HELICAL'

DEFINITION
series CB1600



- 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)

CB1600

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)
-15	98	115	4,3
-17	104	125	4,6
-20	110	135	4,9
-25	117	145	5,2
-30	125	160	5,6
-40	135	175	6,1
-50	145	185	6,5
-60	160	200	7,0
-70	175	215	7,6

INTERFACES

fixtures holes D	Bar 1		
Bar 2	4 through holes ø10,5mm	4 through holes ø10,5mm counter-sunk 90°	4 inserts M10
4 through holes ø10,5mm	no suffix	not standard	not standard
4 through holes ø10,5mm counter-sunk 90°	CM	CM2	not standard
4 inserts M10	IM	CIM	IM2

C	B	1	6	0	0	-	1	5	C	I	M

SERIE: CB1600
'Helical' mount from the CB1600 series

MODEL: -15
height: 98mm
width: 115mm
weight: 4,3kg
loops: serie
standard is 08 loops

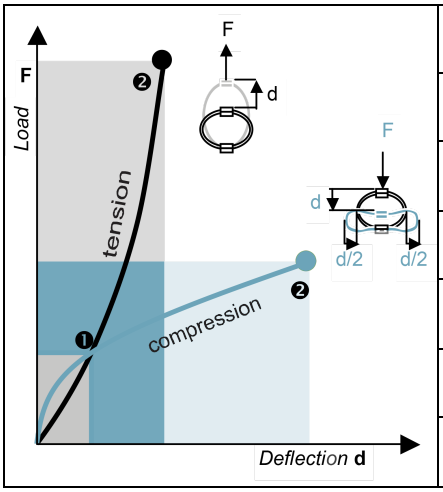
INTERFACE: CIM
4 through holes ø10,5mm
counter-sunk 90° in bar 1,
4 inserts M10 in bar 2

SOCITEC

ISO 9001 BUREAU VERITAS Certification

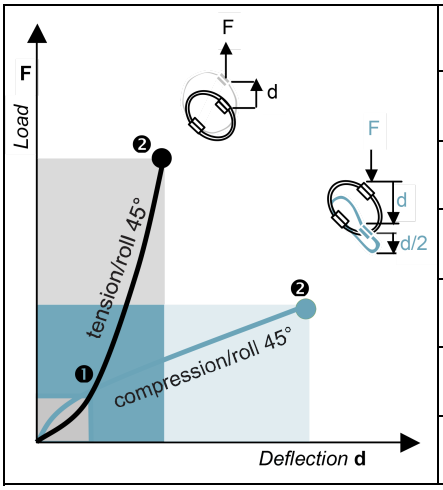
RoHS COMPLIANT

WIRE ROPE ISOLATORS: 'HELICAL'



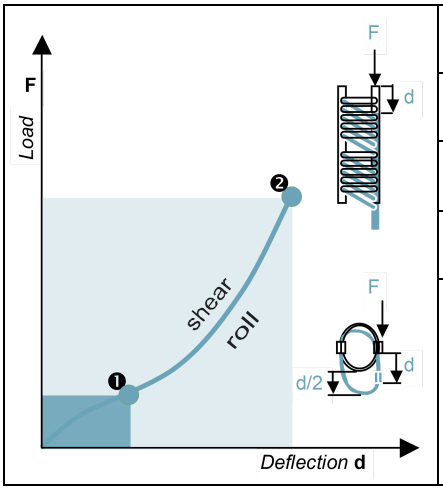
COMPRESSION AND TENSION

CB1600 Series	Model	-15	-17	-20	-25	-30	-40	-50	-60	-70
1. Max Static	F daN	1234	1025	867	748	606	506	458	398	348
	d mm	5,8	6,8	7,8	9,0	10,3	12,0	13,6	16,1	18,6
2. Max Shock	F daN	3703	3077	2602	2246	1818	1519	1375	1194	1045
	d mm	31	36	42	48	55	64	73	87	100
3. Max Vibration	2a mm	3,5	4,1	4,6	5,4	6,1	7,1	8,1	9,6	11,1
	f Hz	7,0	6,5	6,1	5,7	5,3	5,0	4,6	4,2	3,9
1. Max Static	F daN	1234	1025	867	748	606	506	458	398	348
	d mm	5,0	6,0	7,1	8,1	9,7	11,3	12,4	14,0	15,6
2. Max Shock	F daN	13934	11934	10350	8944	7576	6361	5514	4551	3836
	d mm	24	29	35	40	50	59	62	68	73
3. Max Vibration	2a mm	2,6	3,3	3,9	4,5	5,6	6,6	6,9	7,5	8,1
	f Hz	9,1	8,2	7,6	7,1	6,5	6,0	5,7	5,4	5,1



COMPRESSION/ROLL 45° - TENSION/ROLL 45°

CB1600 Series	Model	-15	-17	-20	-25	-30	-40	-50	-60	-70
1. Max Static	F daN	925	769	650	561	454	379	343	298	261
	d mm	9,2	10,9	12,7	14,6	17,1	19,9	22,2	25,6	29,0
2. Max Shock	F daN	2474	2066	1754	1514	1234	1032	928	799	695
	d mm	47	55	63	72	83	97	110	130	151
3. Max Vibration	2a mm	5,2	6,1	7,0	8,0	9,2	10,7	12,2	14,4	16,6
	f Hz	5,9	5,4	5,1	4,8	4,5	4,2	3,9	3,5	3,2
1. Max Static	F daN	925	769	650	561	454	379	343	298	261
	d mm	6,5	7,9	9,2	10,6	12,6	14,7	16,2	18,4	20,5
2. Max Shock	F daN	6976	5985	5197	4491	3814	3203	2770	2280	1918
	d mm	27	33	40	46	58	68	71	77	83
3. Max Vibration	2a mm	3,0	3,7	4,5	5,2	6,4	7,5	7,9	8,6	9,2
	f Hz	8,1	7,4	6,8	6,3	5,8	5,4	5,1	4,8	4,6



SHEAR OR ROLL

CB1600 Series	Model	-15	-17	-20	-25	-30	-40	-50	-60	-70
1. Max Static	F daN	617	512	433	374	303	253	229	199	174
	d mm	7,3	8,8	10,3	12,1	14,3	16,9	19,4	23,2	27,1
2. Max Shock	F daN	4014	3330	2813	2375	1960	1610	1380	1122	934
	d mm	32	39	46	53	64	74	81	92	102
3. Max Vibration	2a mm	3,6	4,4	5,1	5,9	7,1	8,2	9,0	10,2	11,3
	f Hz	6,7	6,1	5,7	5,3	4,9	4,5	4,3	4,0	3,8

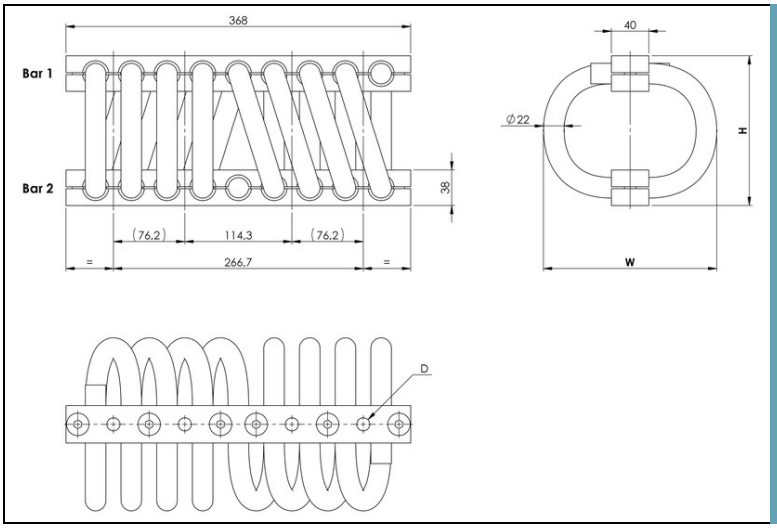
1. Max static load (F) with corresponding deflection (d)
2. Max shock load (F) with corresponding deflection (d)
3. Uncoupled resonant frequency (f) under max static loading 1. and max peak to peak sinusoidal vibration input (2a)

*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

WIRE ROPE ISOLATORS: 'HELICAL'



- 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)

CB1700

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)
-15	133	140	7,7
-17	152	165	8,8
-20	159	178	9,3
-30	190	210	10,9
-40	216	235	12,2

INTERFACES

fixtures holes D	Bar 1		
Bar 2	4 through holes ø13,4mm	4 through holes ø13,4mm counter-sunk 90°	4 inserts M12
4 through holes ø13,4mm	no suffix	not standard	not standard
4 through holes ø13,4mm counter-sunk 90°	CM	CM2	not standard
4 inserts M12	IM	CIM	IM2

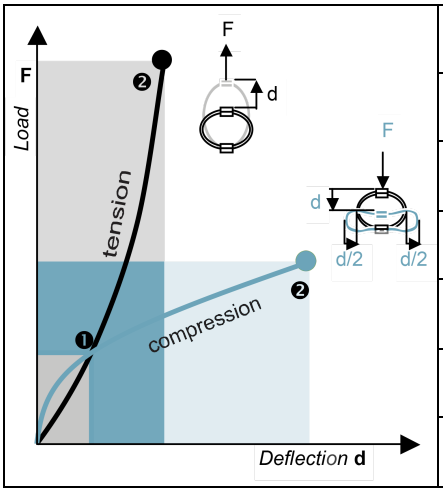
C	B	1	7	0	0	-	1	5	C	I	M

SERIE: CB1700
'Helical' mount from the CB1700 series

MODEL: -15
height: 133mm
width: 140mm
weight: 7,7kg
loops: serie
standard is 08 loops

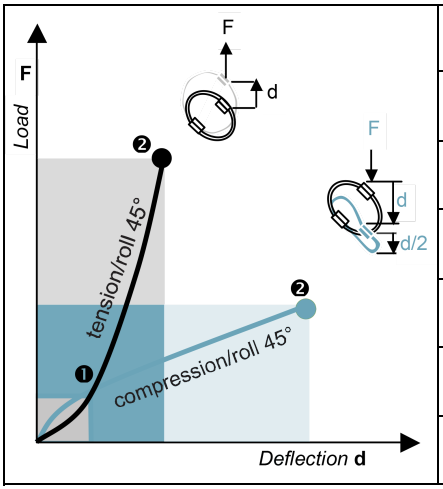
INTERFACE: CIM
4 through holes ø13,4mm
counter-sunk 90° in bar 1,
4 inserts M12 in bar 2

WIRE ROPE ISOLATORS: 'HELICAL'



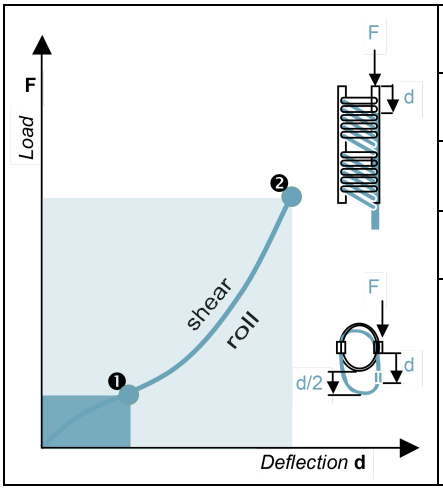
COMPRESSION AND TENSION

CB1700 Series	Model	-15	-17	-20	-30	-40
1. Max Static	F daN	1555	1121	971	698	557
	d mm	8,6	12,2	13,4	18,6	22,4
2. Max Shock	F daN	4665	3364	2914	2094	1672
	d mm	49	66	72	100	124
3. Max Vibration	2a mm	5,4	7,3	8,0	11,1	13,7
	f Hz	5,0	4,4	4,3	3,6	3,2
1. Max Static	F daN	1555	1121	971	698	557
	d mm	5,8	8,4	9,8	13,0	15,4
2. Max Shock	F daN	13706	10347	9414	6554	5095
	d mm	22	33	41	53	61
3. Max Vibration	2a mm	2,5	3,7	4,5	5,9	6,8
	f Hz	8,4	7,0	6,5	5,7	5,2



COMPRESSION/ROLL 45° - TENSION/ROLL 45°

CB1700 Series	Model	-15	-17	-20	-30	-40
1. Max Static	F daN	1166	841	728	523	418
	d mm	12,1	17,0	19,3	26,1	31,4
2. Max Shock	F daN	2971	2163	1892	1351	1073
	d mm	74	99	109	151	186
3. Max Vibration	2a mm	8,2	11,0	12,0	16,6	20,5
	f Hz	4,3	3,8	3,7	3,1	2,8
1. Max Static	F daN	1166	841	728	523	418
	d mm	7,7	11,1	12,9	17,2	20,4
2. Max Shock	F daN	6755	5116	4670	3244	2517
	d mm	25	38	47	60	70
3. Max Vibration	2a mm	2,8	4,2	5,2	6,7	7,8
	f Hz	7,5	6,3	5,8	5,0	4,6



SHEAR OR ROLL

CB1700 Series	Model	-15	-17	-20	-30	-40
1. Max Static	F daN	777	560	485	349	278
	d mm	12,1	16,8	18,5	26,6	33,4
2. Max Shock	F daN	3678	2682	2429	1618	1226
	d mm	40	57	65	88	106
3. Max Vibration	2a mm	4,5	6,3	7,2	9,7	11,7
	f Hz	5,7	4,9	4,6	4,0	3,6

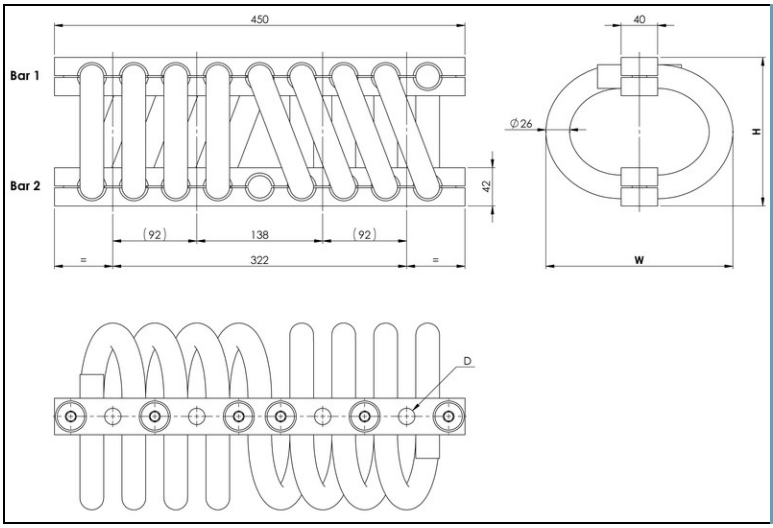
1. Max static load (F) with corresponding deflection (d)
2. Max shock load (F) with corresponding deflection (d)
3. Uncoupled resonant frequency (f) under max static loading 1. and max peak to peak sinusoidal vibration input (2a)

*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

WIRE ROPE ISOLATORS: 'HELICAL'



- 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)

CB1800

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	133	172	11,7
-15	147	187	12,7
-17	163	205	14,0
-20	182	225	15,3
-30	203	249	17,0
-40	228	276	18,8
-50	256	308	20,9

INTERFACES

fixtures holes D	Bar 1		
Bar 2	4 through holes ø17,5mm	4 through holes ø17,5mm counter-sunk 90°	4 inserts M16
4 through holes ø17,5mm	no suffix	not standard	not standard
4 through holes ø17,5mm counter-sunk 90°	CM	CM2	not standard
4 inserts M16	IM	CIM	IM2

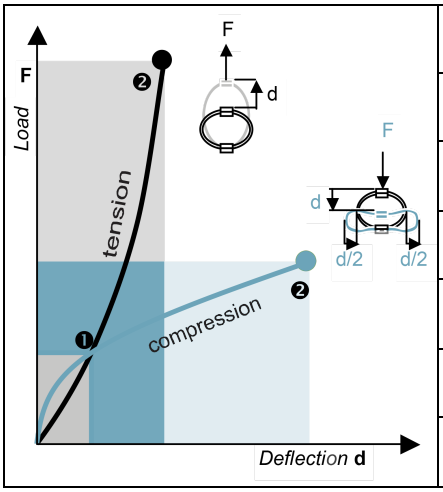
C	B	1	8	0	0	-	1	2	C	I	M

SERIE: CB1800
'Helical' mount from the CB1800 series

MODEL: -12
height: 133mm
width: 172mm
weight: 11,7kg
loops: serie
standard is 08 loops

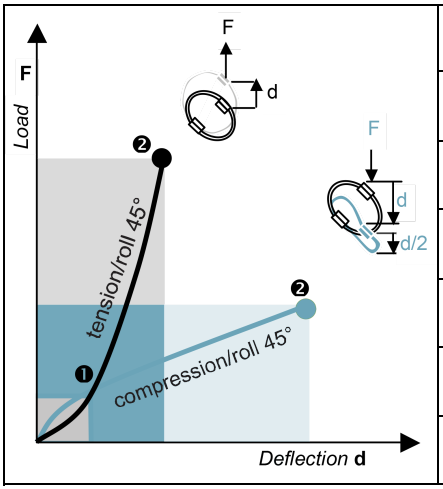
INTERFACE: CIM
4 through holes ø17,5mm
counter-sunk 90° in bar 1,
4 inserts M16 in bar 2

WIRE ROPE ISOLATORS: 'HELICAL'



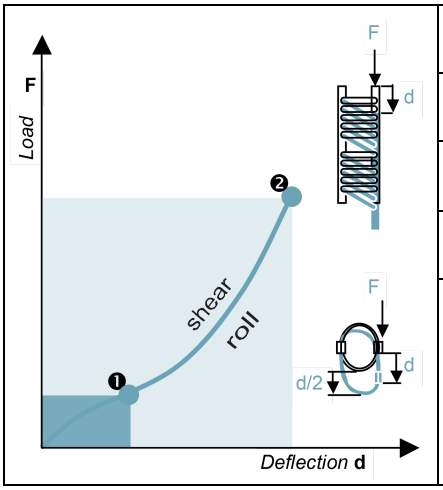
COMPRESSION AND TENSION

CB1800 Series	Model	-12	-15	-17	-20	-30	-40	-50
1. Max Static	F daN	2060	1777	1493	1252	1028	845	685
	d mm	8,1	10,5	13,1	16,3	19,8	23,9	28,6
2. Max Shock	F daN	6181	5333	4481	3758	3086	2535	2055
	d mm	44	56	71	88	107	129	154
3. Max Vibration	2a mm	4,8	6,2	7,8	9,7	11,8	14,3	17,0
	f Hz	6,1	5,3	4,7	4,2	3,8	3,4	3,1
1. Max Static	F daN	2060	1777	1493	1252	1028	845	685
	d mm	8,1	9,9	11,9	14,1	16,6	19,4	22,8
2. Max Shock	F daN	28224	22457	17890	14218	11350	9024	7189
	d mm	46	52	60	67	78	89	102
3. Max Vibration	2a mm	5,1	5,8	6,6	7,5	8,6	9,8	11,3
	f Hz	7,0	6,4	5,8	5,4	5,0	4,6	4,3



COMPRESSION/ROLL 45° - TENSION/ROLL 45°

CB1800 Series	Model	-12	-15	-17	-20	-30	-40	-50
1. Max Static	F daN	1545	1333	1120	939	771	633	513
	d mm	14,0	17,4	21,4	25,8	30,8	36,6	43,3
2. Max Shock	F daN	4255	3628	3023	2513	2053	1677	1355
	d mm	66	85	106	132	160	194	232
3. Max Vibration	2a mm	7,3	9,4	11,7	14,6	17,7	21,4	25,5
	f Hz	5,1	4,4	3,9	3,5	3,2	2,8	2,6
1. Max Static	F daN	1545	1333	1120	939	771	633	513
	d mm	10,6	12,9	15,6	18,4	21,8	25,6	30,0
2. Max Shock	F daN	14269	11310	8986	7121	5675	4504	3584
	d mm	53	60	68	77	89	101	117
3. Max Vibration	2a mm	5,9	6,6	7,6	8,5	9,8	11,2	12,9
	f Hz	6,2	5,7	5,2	4,8	4,4	4,1	3,8



SHEAR OR ROLL

CB1800 Series	Model	-12	-15	-17	-20	-30	-40	-50
1. Max Static	F daN	1030	888	746	626	514	422	342
	d mm	10,6	14,0	18,0	22,8	28,2	34,6	41,9
2. Max Shock	F daN	7885	6060	4682	3626	2831	2208	1730
	d mm	55	65	78	92	109	128	150
3. Max Vibration	2a mm	6,1	7,2	8,6	10,2	12,0	14,1	16,6
	f Hz	5,4	4,8	4,4	4,0	3,6	3,3	3,1

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)

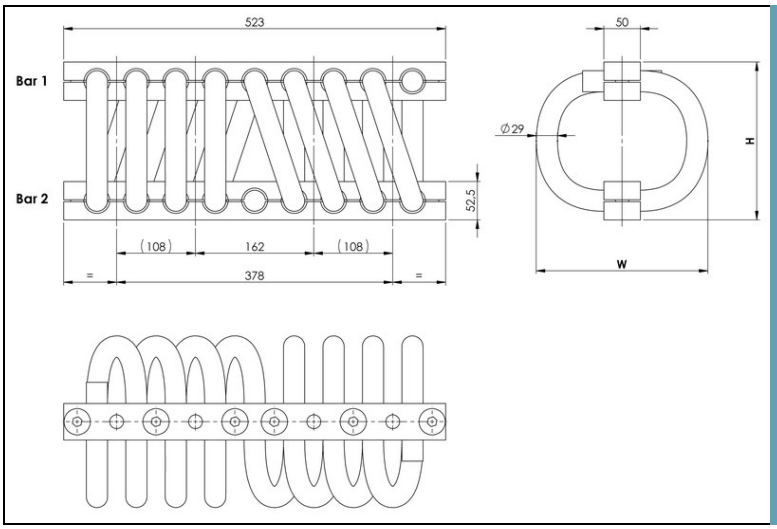
*IMPORTANT: Performance characteristics are given here for reference only. They can be increased under specific conditions. Contact us

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

WIRE ROPE ISOLATORS: 'HELICAL'

DEFINITION
series CB1900



- 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)

CB1900

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)
-10	178	216	20,0
-12	216	241	22,7
-15	235	260	24,4

INTERFACES

fixtures holes D	Bar 1		
Bar 2	4 through holes ø19mm	4 through holes ø19mm counter-sunk 90°	4 inserts M18
4 through holes ø19mm	no suffix	not standard	not standard
4 through holes ø19mm counter-sunk 90°	CM	CM2	not standard
4 inserts M18	IM	CIM	IM2

C	B	1	9	0	0	-	1	0	C	I	M

SERIE: CB1900
'Helical' mount from the CB1900 series

MODEL: -10
height: 178mm
width: 216mm
weight: 20,0kg
loops: serie
standard is 08 loops

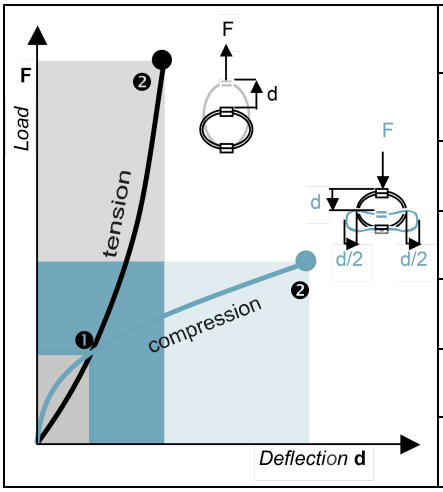
INTERFACE: CIM
4 through holes ø19mm
counter-sunk 90° in bar 1,
4 inserts M18 in bar 2

SOCITEC

ISO 9001 BUREAU VERITAS Certification

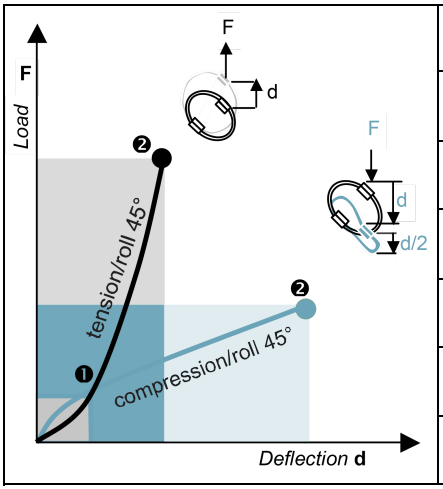
RoHS COMPLIANT

WIRE ROPE ISOLATORS: 'HELICAL'



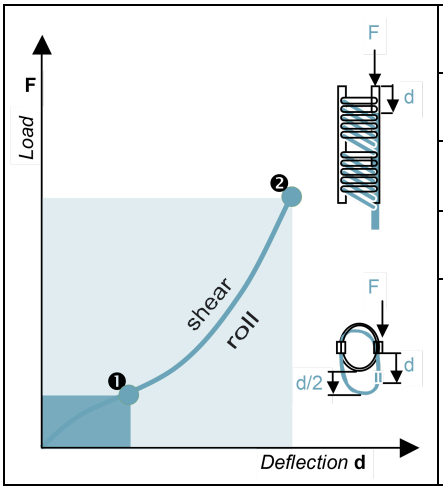
COMPRESSION AND TENSION

CB1900 Series	Model	-10	-12	-15
1. Max Static	F daN	2097	1733	1487
	d mm	12,6	18,9	22,1
2. Max Shock	F daN	6292	5199	4463
	d mm	68	102	119
3. Max Vibration	2a mm	7,5	11,3	13,2
	f Hz	4,8	3,6	3,3
1. Max Static	F daN	2097	1733	1487
	d mm	11,1	13,6	15,5
2. Max Shock	F daN	24337	16662	14036
	d mm	54	57	63
3. Max Vibration	2a mm	6,0	6,3	7,0
	f Hz	6,1	5,5	5,2



COMPRESSION/ROLL 45° - TENSION/ROLL 45°

CB1900 Series	Model	-10	-12	-15
1. Max Static	F daN	1573	1299	1115
	d mm	20,2	27,0	31,1
2. Max Shock	F daN	4222	3371	2883
	d mm	102	153	179
3. Max Vibration	2a mm	11,3	16,9	19,8
	f Hz	4,0	3,1	2,8
1. Max Static	F daN	1573	1299	1115
	d mm	14,6	18,0	20,6
2. Max Shock	F daN	12203	8261	6950
	d mm	62	65	73
3. Max Vibration	2a mm	6,9	7,2	8,0
	f Hz	5,4	4,9	4,6



SHEAR OR ROLL

CB1900 Series	Model	-10	-12	-15
1. Max Static	F daN	1048	866	743
	d mm	16,7	26,3	31,2
2. Max Shock	F daN	6630	4252	3505
	d mm	73	92	105
3. Max Vibration	2a mm	8,1	10,1	11,6
	f Hz	4,5	3,9	3,6

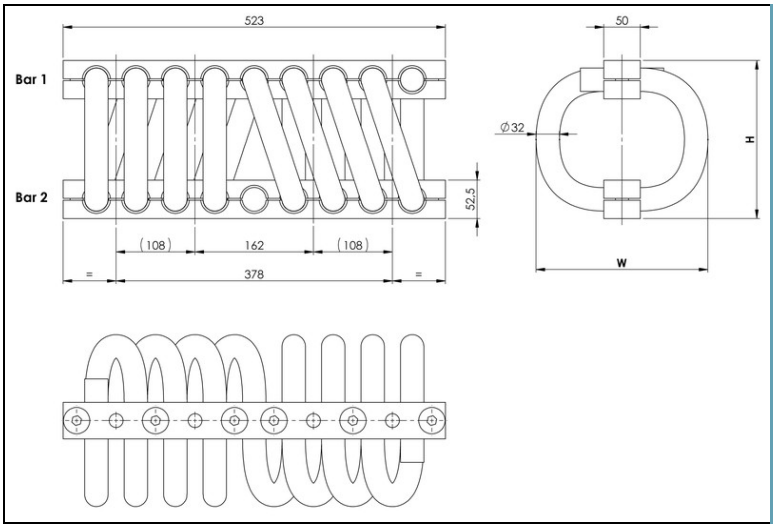
1. Max static load (F) with corresponding deflection (d)
2. Max shock load (F) with corresponding deflection (d)
3. Uncoupled resonant frequency (f) under max static loading 1. and max peak to peak sinusoidal vibration input (2a)

*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

WIRE ROPE ISOLATORS: 'HELICAL'



- 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)

CB2000

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)
-10	178	210	22,2
-12	216	248	26,3
-15	235	270	28,5

INTERFACES

fixtures holes D	Bar 1		
Bar 2	4 through holes ø19mm	4 through holes ø19mm counter-sunk 90°	4 inserts M18
4 through holes ø19mm	no suffix	not standard	not standard
4 through holes ø19mm counter-sunk 90°	CM	CM2	not standard
4 inserts M18	IM	CIM	IM2

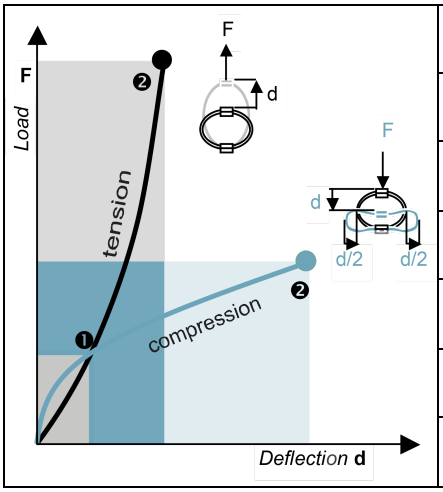
C	B	2	0	0	0	-	1	0	C	I	M

SERIE: CB2000
'Helical' mount from the CB2000 series

MODEL: -10
height: 178mm
width: 210mm
weight: 22,2kg
loops: serie
standard is 08 loops

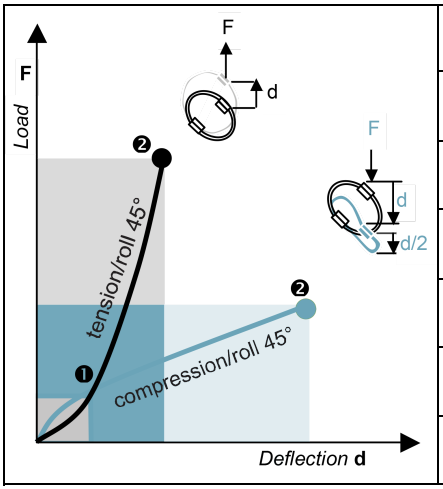
INTERFACE: CIM
4 through holes ø19mm
counter-sunk 90° in bar 1,
4 inserts M18 in bar 2

WIRE ROPE ISOLATORS: 'HELICAL'



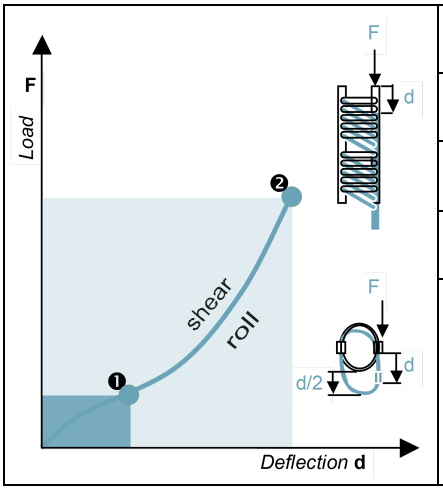
COMPRESSION AND TENSION

CB2000 Series	Model	-10	-12	-15
1. Max Static	F daN	2959	2122	1781
	d mm	12,6	18,9	22,1
2. Max Shock	F daN	8878	6366	5344
	d mm	68	102	119
3. Max Vibration	2a mm	7,5	11,3	13,2
	f Hz	4,7	3,7	3,4
1. Max Static	F daN	2959	2122	1781
	d mm	10,3	14,2	16,5
2. Max Shock	F daN	31805	21117	17639
	d mm	47	61	70
3. Max Vibration	2a mm	5,2	6,7	7,8
	f Hz	6,3	5,4	5,0



COMPRESSION/ROLL 45° - TENSION/ROLL 45°

CB2000 Series	Model	-10	-12	-15
1. Max Static	F daN	2219	1591	1336
	d mm	19,4	27,7	32,2
2. Max Shock	F daN	5879	4156	3485
	d mm	102	153	179
3. Max Vibration	2a mm	11,3	16,9	19,8
	f Hz	3,9	3,1	2,9
1. Max Static	F daN	2219	1591	1336
	d mm	13,6	18,8	21,8
2. Max Shock	F daN	15879	10494	8762
	d mm	54	70	80
3. Max Vibration	2a mm	6,0	7,7	8,9
	f Hz	5,6	4,8	4,5



SHEAR OR ROLL

CB2000 Series	Model	-10	-12	-15
1. Max Static	F daN	1479	1061	890
	d mm	16,6	26,2	31,1
2. Max Shock	F daN	8686	5410	4431
	d mm	68	95	110
3. Max Vibration	2a mm	7,5	10,5	12,1
	f Hz	4,6	3,8	3,6

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)

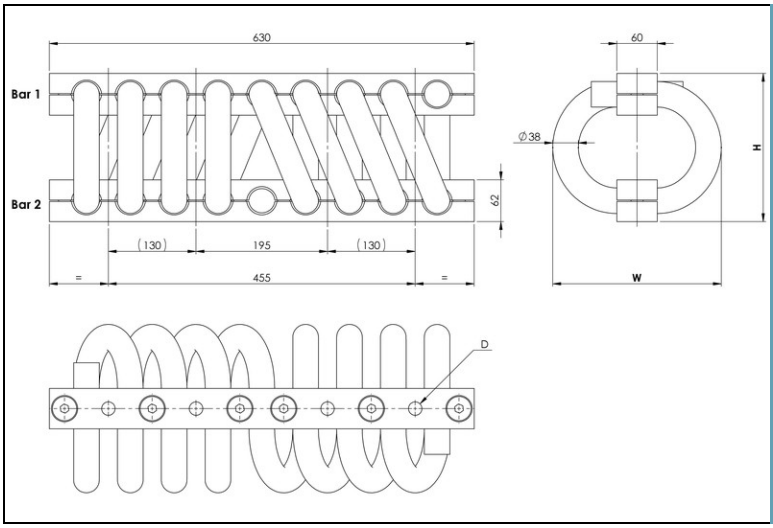
*IMPORTANT: Performance characteristics are given here for reference only. They can be increased under specific conditions. Contact us

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

WIRE ROPE ISOLATORS: 'HELICAL'

DEFINITION
series CB2100



- 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)

CB2100

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)
-10	195	250	36,0
-12	230	280	40,9
-15	260	320	46,2

INTERFACES

fixtures holes D	Bar 1		
Bar 2	4 through holes ø21,5mm	4 through holes ø21,5mm counter-sunk 90°	4 inserts M20
4 through holes ø21,5mm	no suffix	not standard	not standard
4 through holes ø21,5mm counter-sunk 90°	CM	CM2	not standard
4 inserts M20	IM	CIM	IM2

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

SERIE: CB2100
'Helical' mount from the CB2100 series

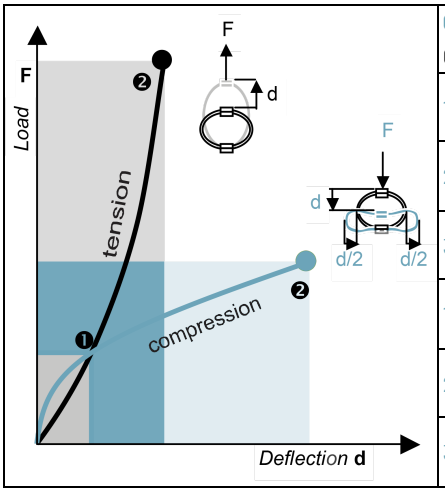
MODEL: -10
height: 195mm
width: 250mm
weight: 36,0kg
loops: serie
standard is 08 loops

INTERFACE: CIM
4 through holes ø21,5mm
counter-sunk 90° in bar 1,
4 inserts M20 in bar 2

SOCITEC

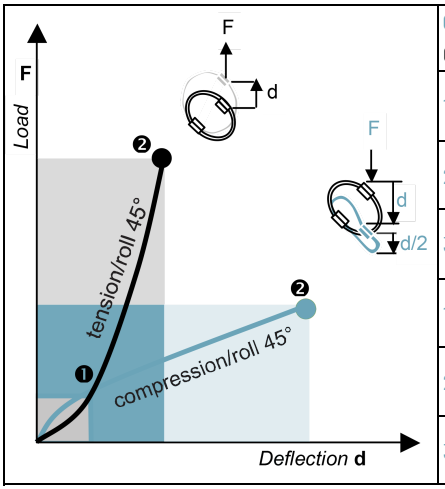
ISO 9001 BUREAU VERITAS Certification
RoHS COMPLIANT

WIRE ROPE ISOLATORS: 'HELICAL'



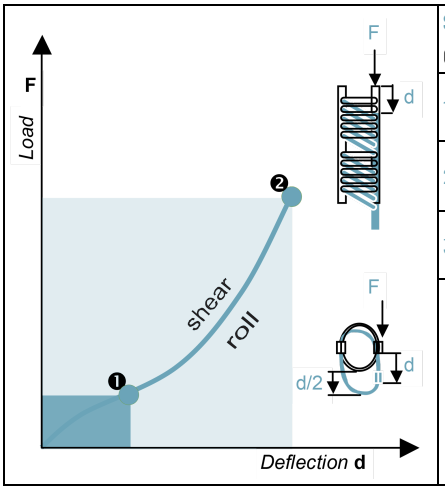
COMPRESSION AND TENSION

CB2100 Series	Model	-10	-12	-15
1. Max Static	F daN	3518	2935	2237
	d mm	11,8	17,6	22,6
2. Max Shock	F daN	10556	8806	6713
	d mm	63	95	122
3. Max Vibration	2a mm	7,0	10,5	13,5
	f Hz	5,1	4,0	3,5
1. Max Static	F daN	3518	2935	2237
	d mm	11,8	15,4	19,6
2. Max Shock	F daN	48174	33732	25578
	d mm	67	75	95
3. Max Vibration	2a mm	7,4	8,3	10,5
	f Hz	5,8	5,2	4,6



COMPRESSION/ROLL 45° - TENSION/ROLL 45°

CB2100 Series	Model	-10	-12	-15
1. Max Static	F daN	2639	2201	1678
	d mm	20,3	28,1	35,9
2. Max Shock	F daN	7267	5900	4494
	d mm	95	143	183
3. Max Vibration	2a mm	10,5	15,7	20,2
	f Hz	4,2	3,4	3,0
1. Max Static	F daN	2639	2201	1678
	d mm	15,4	20,2	25,7
2. Max Shock	F daN	24355	16905	12815
	d mm	77	85	109
3. Max Vibration	2a mm	8,5	9,4	12,0
	f Hz	5,2	4,6	4,1



SHEAR OR ROLL

CB2100 Series	Model	-10	-12	-15
1. Max Static	F daN	1759	1467	1118
	d mm	15,2	23,7	31,4
2. Max Shock	F daN	13510	8990	6574
	d mm	80	101	129
3. Max Vibration	2a mm	8,8	11,2	14,2
	f Hz	4,4	3,8	3,4

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)

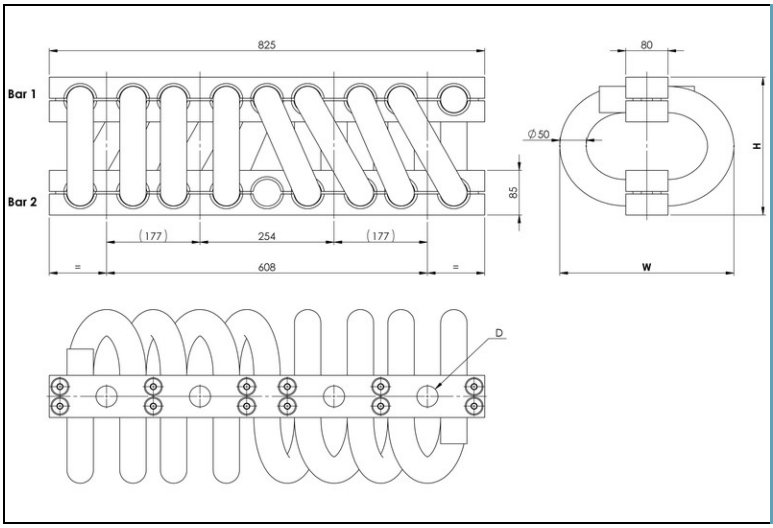
*IMPORTANT: Performance characteristics are given here for reference only. They can be increased under specific conditions. Contact us

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

WIRE ROPE ISOLATORS: 'HELICAL'

DEFINITION
series CB2300



- 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)

CB2300

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	262	330	80,4
-15	289	360	87,8
-17	320	395	96,4
-20	356	434	106,1
-30	397	480	117,3

INTERFACES

fixtures holes D	Bar 1		
Bar 2	4 through holes ø39mm	4 through holes ø39mm counter-sunk 60°	4 inserts M36
4 through holes ø39mm	no suffix	not standard	not standard
4 through holes ø39mm counter-sunk 60°	CM	CM2	not standard
4 inserts M36	IM	CIM	IM2

C	B	2	3	0	0	-	1	2	C	I	M

SERIE: CB2300
'Helical' mount from the CB2300 series

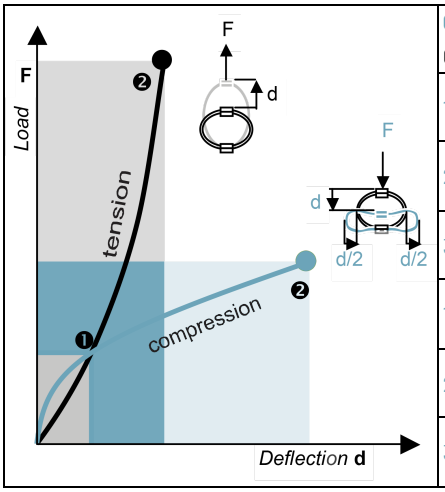
MODEL: -12
height: 262mm
width: 330mm
weight: 80,4kg
loops: serie
standard is 08 loops

INTERFACE: CIM
4 through holes ø39mm
counter-sunk 60° in bar 1,
4 inserts M36 in bar 2

SOCITEC

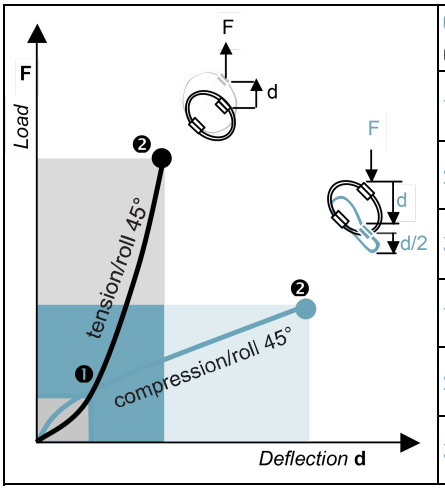
ISO 9001 BUREAU VERITAS Certification
RoHS COMPLIANT

WIRE ROPE ISOLATORS: 'HELICAL'



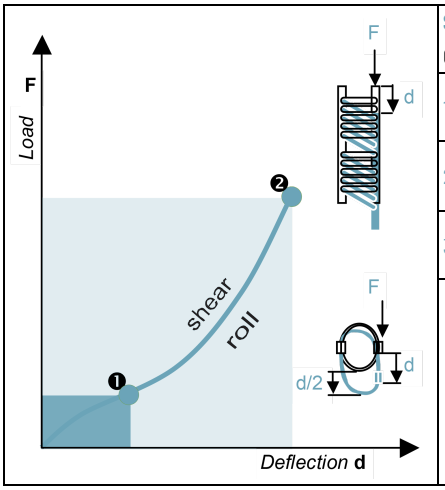
COMPRESSION AND TENSION

CB2300 Series	Model	-12	-15	-17	-20	-30
1. Max Static	F daN	7466	6391	5364	4485	3692
	d mm	15,3	19,8	24,9	30,9	37,7
2. Max Shock	F daN	22400	19175	16093	13455	11076
	d mm	82	107	135	167	204
3. Max Vibration	2a mm	9,1	11,8	14,8	18,4	22,5
	f Hz	4,4	3,9	3,4	3,0	2,7
1. Max Static	F daN	7466	6391	5364	4485	3692
	d mm	15,2	18,6	22,4	26,6	31,5
2. Max Shock	F daN	100343	79851	63622	50734	40466
	d mm	85	97	112	128	147
3. Max Vibration	2a mm	9,4	10,7	12,4	14,1	16,2
	f Hz	5,1	4,7	4,3	3,9	3,6



COMPRESSION/ROLL 45° - TENSION/ROLL 45°

CB2300 Series	Model	-12	-15	-17	-20	-30
1. Max Static	F daN	5600	4793	4023	3363	2769
	d mm	26,1	32,8	40,4	48,9	58,6
2. Max Shock	F daN	15379	13022	10839	8991	7361
	d mm	124	160	202	251	306
3. Max Vibration	2a mm	13,7	17,7	22,3	27,6	33,7
	f Hz	3,7	3,2	2,8	2,5	2,3
1. Max Static	F daN	5600	4793	4023	3363	2769
	d mm	19,7	24,2	29,3	34,9	41,3
2. Max Shock	F daN	50687	40194	31939	25404	20227
	d mm	97	111	128	146	168
3. Max Vibration	2a mm	10,7	12,3	14,1	16,1	18,5
	f Hz	4,6	4,2	3,8	3,5	3,2



SHEAR OR ROLL

CB2300 Series	Model	-12	-15	-17	-20	-30
1. Max Static	F daN	3733	3195	2682	2242	1846
	d mm	19,5	26,0	33,8	42,9	53,4
2. Max Shock	F daN	28555	21843	16831	13052	10165
	d mm	102	123	147	175	207
3. Max Vibration	2a mm	11,2	13,6	16,3	19,3	22,8
	f Hz	3,9	3,5	3,2	2,9	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

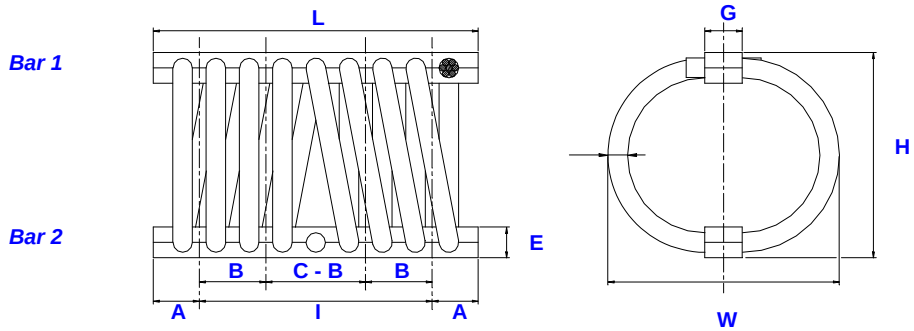
TYPICAL SHOCK/VIBRATION SPECIFICATIONS:

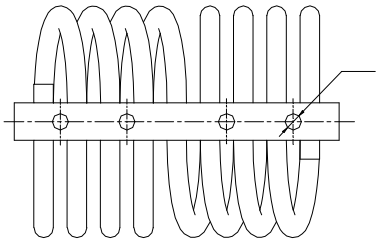
Air	AIR 7306, MIL-E-5400, MIL-C-172, MIL-STD-810
Ground Forces	GAM EG13A, SEFT 001, MIL-STD-810, VG 9533
Marine	GAM EG13C, IT25-21/96-31/15-86, MIL-S-167, MIL-S-901, STANAG 042, BV 043.73, BV 044
Others	GAM EMB1, GAM EMBT4, DEF STAN 07-55, IEC 571, FINABEL 2C

wire rope isolators series

line "Helical" for large deflections Z

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.
- Minimum dynamic deflection capability over ±50 mm along the 3 axes.
- Non-magnetic.
- Low residual acceleration.

Dimensions are in mm. *Dimensions for reference only.*

Series

Materials and finishes

Z

Cable :
stainless steel AISI 316.
Retainer bars :
aluminium alloy/Surtec 650
*(bar 2 in AISI 316 **ZS**, both bars **ZSS**)*
Screws / inserts :
stainless steel AISI 316.

Other materials on request.

Dimensions

Type	H (mm)	W	L	A	B	C	I	E	G	D/D1	mass (kg)
1480	134	174	146	7,5	2 holes only		131	14,5	16	6,4 / 6	0,7
1664	134	174	146	7,5	2 holes only		131	14,5	16	6,4 / 6	1
1479	137	186	217	30,7	44,5	111,1	155,6	16,5	25,5	8,4 / 8	1,8
1663	138	188	217	30,7	44,5	111,1	155,6	16,5	25,5	8,4 / 8	2,3
1478	140	190	217	30,7	44,5	111,1	155,6	20,5	25,5	8,4 / 8	3,2
1665	146	193	267	37,9	54,6	136,7	191,3	26,5	25,5	10,5/10	4
1709	159	212	368	50,7	76,2	190,5	266,7	38	39	13,4/12	11
1710	185	250	523	72,5	108	270	378	51	51	18,5/16	22
1711	182	244	523	72,5	108	270	378	51	51	18,5/16	26

Interfaces

fixture holes
D / D1

Bar 2 \ **Bar 1**	4 through holes ∅ D mm	4 through holes ∅ D mm countersunk 90°	4 inserts M D1
4 through holes ∅ D mm	**TM2**	*not standard*	*not standard*
4 through holes ∅ D mm countersunk 90°	**CM**	**CM2**	*not standard*
4 inserts M D1	**IM**	**CIM**	**IM2**

Example :
Z1478-08CM2

Z	1	4	7	8	-	0	8	C	M	2

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

Model : 1478
height : 140 mm
width : 190 mm
mass : 3,2 kg

Number of loops
(4 à 8).

Suffix : CM2
4 through holes Ø D mm
countersunk 90°
in bars 1 and 2.

01/07/2013

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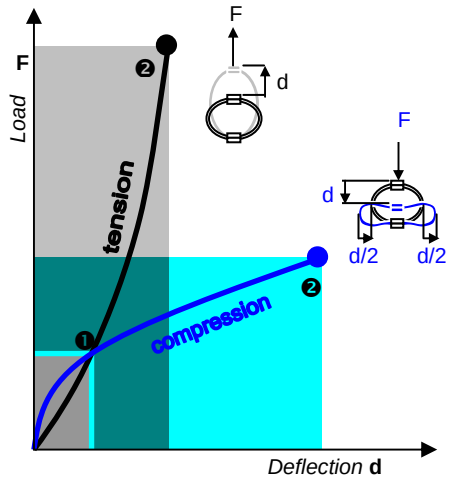
series wire rope isolators

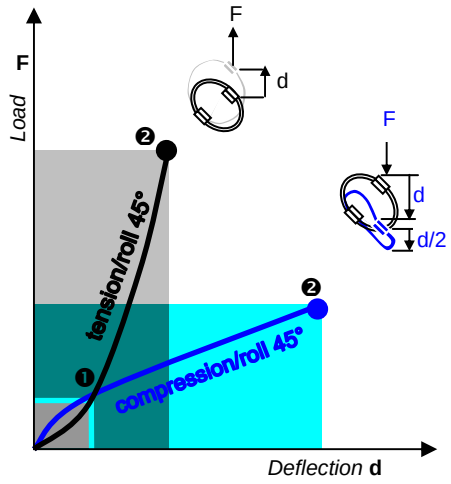
Z line "Helical" for large deflections

*performances**



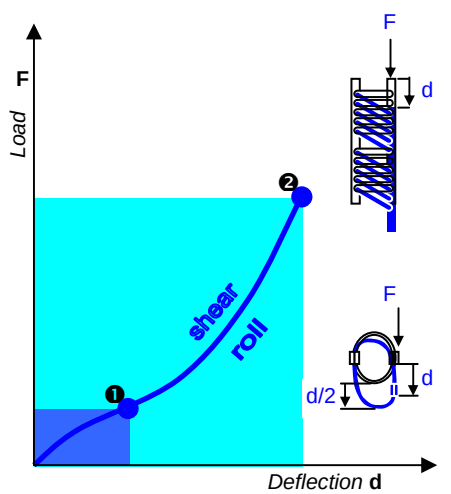
Compression and Tension

Z series	Model		1480	1664	1479	1663	1478	1665	1709	1710	1711
Max static	**F**	daN	7,0	12,4	39,2	69,2	121	271	670	1200	1885
❶	**d**	mm	17,3	17,3	17,2	17,3	16,2	15,3	12,7	13,8	13,3
Max shock	**F**	daN	21,0	37,2	118	208	363	813	2010	3598	5656
❷	**d**	mm	94	94	93	94	88	83	69	75	72
Max vibration	**2a**	mm	10,3	10,3	10,2	10,3	9,7	9,1	7,6	8,3	7,9
❸	**f**	Hz	4,1	4,1	4,1	4,0	4,2	4,4	4,9	4,7	4,8
Max static	**F**	daN	7,0	12,4	39,2	69,2	121	271	670	1200	1885
❶	**d**	mm	15,4	15,3	15,1	15,2	14,8	14,3	12,7	13,8	13,3
Max shock	**F**	daN	72,0	126	400	702	1287	2966	8125	15113	22976
❷	**d**	mm	73	71	71	71	72	71	70	81	74
Max vibration	**2a**	mm	8,0	7,9	7,8	7,8	7,9	7,9	7,7	8,9	8,1
❸	**f**	Hz	5,2	5,2	5,3	5,2	5,3	5,4	5,6	5,3	5,5



Compression/roll 45°-Tension/roll 45°

Z series	Model		1480	1664	1479	1663	1478	1665	1709	1710	1711
Max static	**F**	daN	5,3	9,3	29,4	51,9	90,8	203	502	900	1414
❶	**d**	mm	31,9	31,9	31,5	31,9	29,7	27,9	22,8	25,0	23,9
Max shock	**F**	daN	13,2	23,3	73,6	130	229	515	1294	2330	3644
❷	**d**	mm	141	141	140	141	132	125	104	113	108
Max vibration	**2a**	mm	15,5	15,5	15,3	15,5	14,5	13,7	11,4	12,4	11,9
❸	**f**	Hz	3,4	3,4	3,4	3,4	3,5	3,6	4,1	3,9	4,0
Max static	**F**	daN	5,3	9,3	29,4	51,9	90,8	203	502	900	1414
❶	**d**	mm	23,8	23,6	23,4	23,5	23,0	22,2	19,9	22,1	20,8
Max shock	**F**	daN	53,4	93,7	297	520	957	2210	6098	11371	17250
❷	**d**	mm	97	95	94	94	96	95	94	108	98
Max vibration	**2a**	mm	10,6	10,5	10,4	10,4	10,6	10,5	10,3	11,9	10,8
❸	**f**	Hz	4,6	4,6	4,6	4,6	4,7	4,7	4,9	4,6	4,8



Shear or roll

Z series	Model		1480	1664	1479	1663	1478	1665	1709	1710	1711
Max static	**F**	daN	3,5	6,2	19,6	34,6	60,5	135	335	600	943
❶	**d**	mm	32,9	32,9	32,5	32,9	30,8	29,0	24,1	26,2	25,2
Max shock	**F**	daN	21,1	37,2	118	209	386	920	2692	5052	7826
❷	**d**	mm	108	107	106	106	104	101	93	105	98
Max vibration	**2a**	mm	11,8	11,7	11,6	11,7	11,4	11,1	10,2	11,6	10,7
❸	**f**	Hz	3,9	3,9	3,9	3,9	4,0	4,1	4,3	4,1	4,3

❶ Max static load (**F**) with corresponding deflection (**d**)
❷ Max shock load (**F**) with corresponding deflection (**d**)
❸ Uncoupled resonant frequency (**f**) under max static loading ❶ 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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