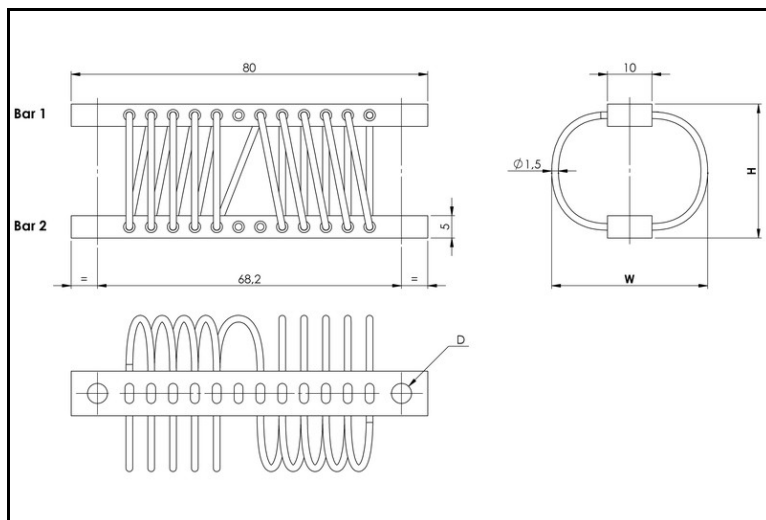


WIRE ROPE ISOLATORS: 'HELICAL'

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 millimeters. For reference only

SERIES
Materials and finishes (meets RoHS requirements)
C2H
Cable: stainless steel
Retainer bars: aluminium alloy/ SurTec
All stainless steel : C2HSS
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	0,03
710	30	35	0,03
810	33	38	0,03
910	35	40	0,03
1010	38	43	0,03

INTERFACES			
fixtures holes D	Bar 1		
	2 through holes ø 4,5mm	2 through holes ø 4,5mm countersunk 90°	2 x M4
Bar 2			
2 through holes ø 4,5mm	no suffix	not standard	not standard
2 through holes ø 4,5mm countersunk 90°	CM	CM2	not standard
2 x M4	IM	CIM	IM2

C	2	H	3	1	0	C	I	M
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SERIE: C2H

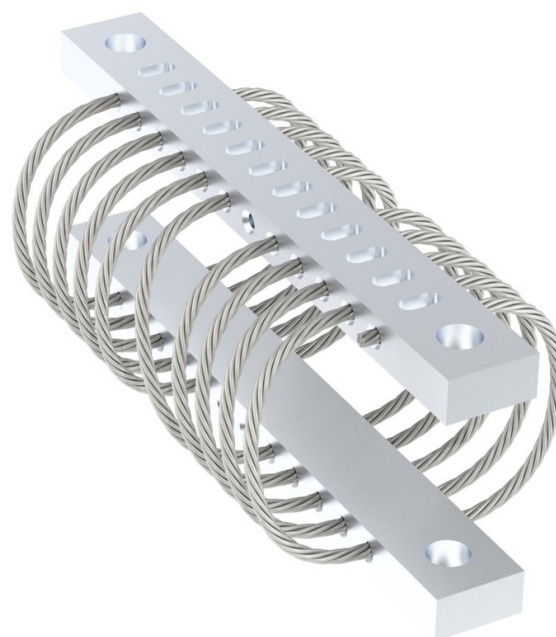
'Helical' mount from
the C2H series

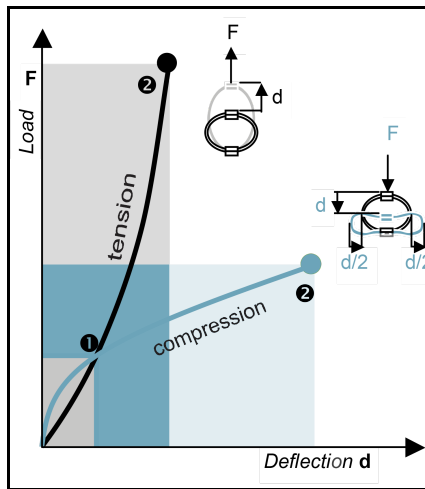
MODEL: 310

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

INTERFACE: CIM

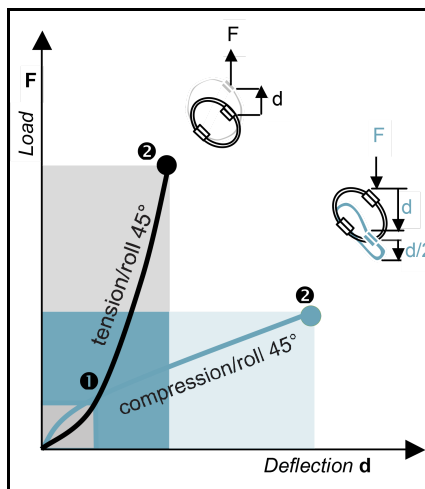
2 through holes ø 4,5mm
countersunk 90° in bar 1,
2 x M4 in bar 2





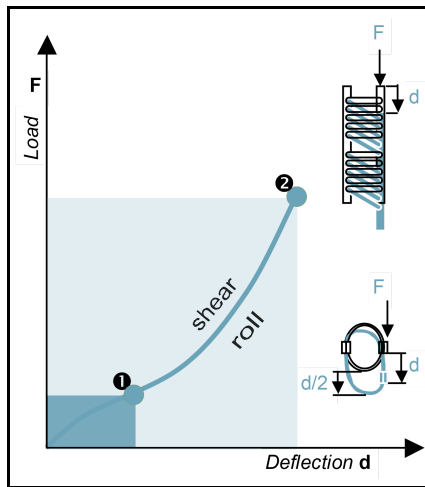
COMPRESSION AND TENSION

C2H Series	Model	310	410	510	610	710	810	910	1010
1.Max Static	F daN	6,5	4,9	4	3,2	2,8	2,3	2,1	1,8
	d mm	1,6	1,9	2,3	2,7	3	3,5	3,8	4,2
2.Max Shock	F daN	19,5	14,7	11,9	9,5	8,3	7	6,2	5,3
	d mm	8	10	14	17	19	22	23	26
3.Max Vibration	2a mm	1	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	6,8	6,4
1.Max Static	F daN	6,5	4,9	4	3,2	2,8	2,3	2,1	1,8
	d mm	1,1	1,4	1,5	1,8	2	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	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	2,4	2,1	1,7	1,6	1,3
	d mm	2,2	2,8	3,3	3,9	4,3	5	5,4	6
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	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	2,4	2,1	1,7	1,6	1,3
	d mm	1,4	1,9	2	2,4	2,6	3	3,3	3,7
2.Max Shock	F daN	29,6	23,7	15,6	12,5	11	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	1,1	1,3
	f Hz	17,4	15,3	14,7	13,5	12,8	12	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	1,6	1,4	1,2	1	0,9
	d mm	2,2	2,7	4,2	5	5,5	6,3	6,8	7,6
2.Max Shock	F daN	15,2	11,9	7,2	5,8	5	4,2	3,8	3,2
	d mm	7	9	11	13	14	16	18	20
3.Max Vibration	2a mm	0,8	1	1,2	1,5	1,6	1,9	2	2,2
	f Hz	13,5	12,1	10,7	9,9	9,4	8,8	8,4	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)

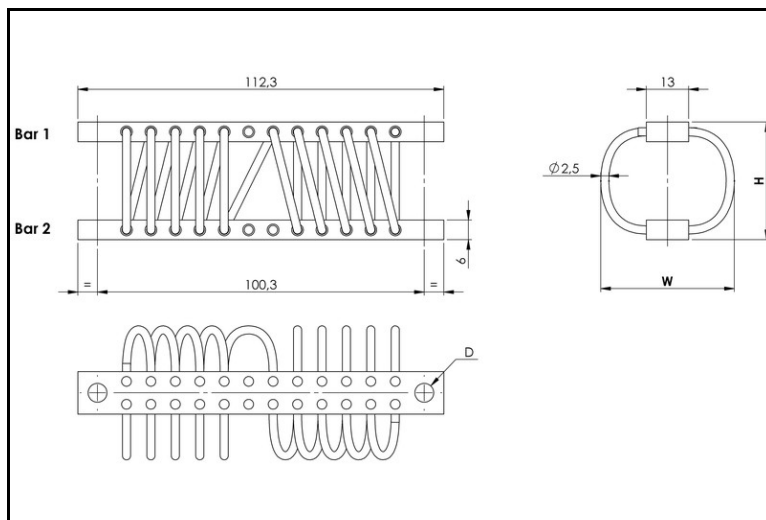
***IMPORTANT:** Performance characteristics are given here for reference only. They can be increased under specific conditions. Contact us

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 C3H



- 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 millimeters. For reference only

SERIES
Materials and finishes (meets RoHS requirements)
C3H
Cable: stainless steel
Retainer bars: aluminium alloy/ SurTec
All stainless steel : C3HSS
Other materials on request

MODEL	height H (mm)	width W (mm)	weight (kg)
310	23	28	0,06
410	25	30	0,06
510	28	33	0,06
610	33	38	0,06
710	36	41	0,07
810	38	43	0,07
910	40	46	0,07
1010	44	49	0,07

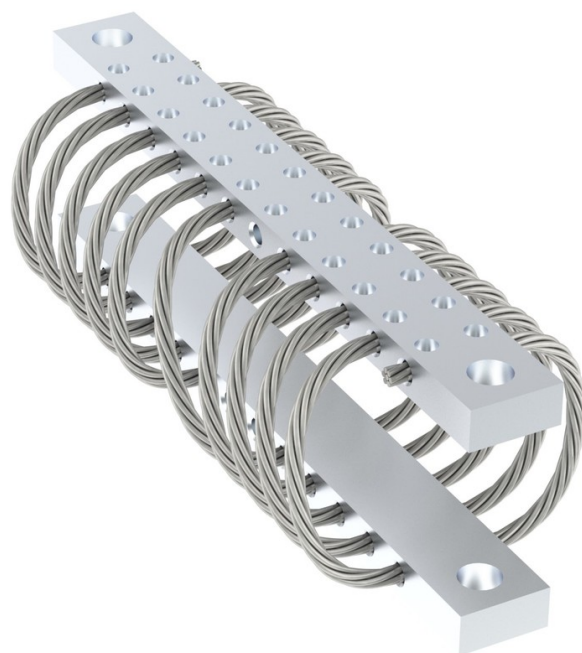
INTERFACES			
fixtures holes D	Bar 1		
	2 through holes ø5,8mm	2 through holes ø5,8mm countersunk 90°	2 x M5
Bar 2			
2 through holes ø5,8mm	no suffix	not standard	not standard
2 through holes ø5,8mm countersunk 90°	CM	CM2	not standard
2 x M5	IM	CIM	IM2

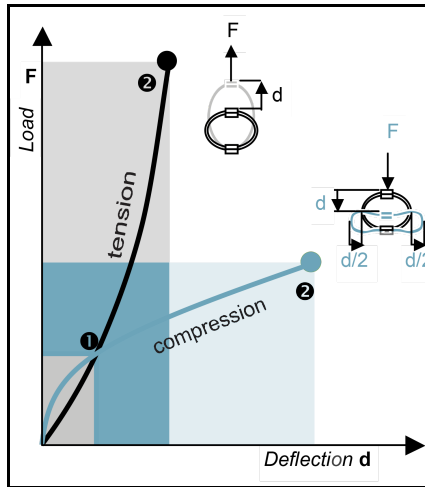
C	3	H	3	1	0	C	I	M
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SERIE: C3H
'Helical' mount from
the C3H series

MODEL: 310
height: 23mm
width: 28mm
weight: 0,06kg
loops: serie
standard is 10 loops

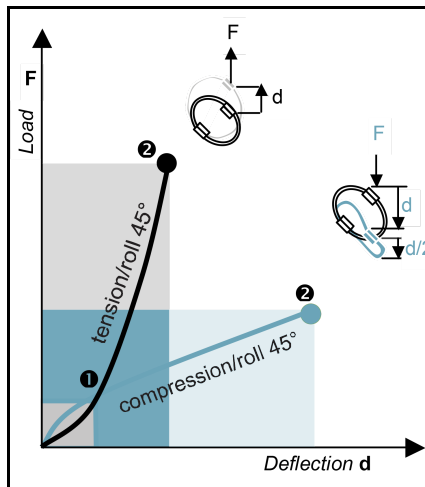
INTERFACE: CIM
2 through holes ø5,8mm
countersunk 90° in bar 1,
2 x M5 in bar 2





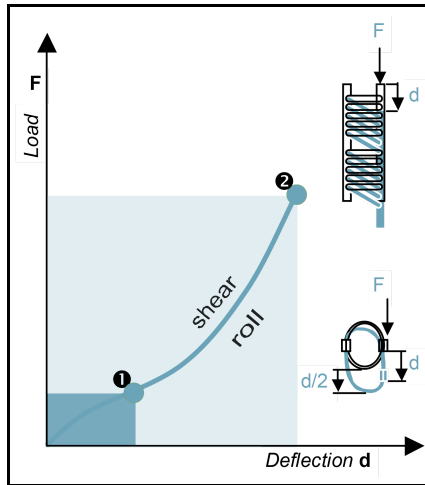
COMPRESSION AND TENSION

C3H Series	Model	310	410	510	610	710	810	910	1010
1.Max Static	F daN	15	12,5	9,9	7,1	6	5,4	4,7	4
	d mm	1,4	1,7	2,1	2,8	3,2	3,5	4	4,4
2.Max Shock	F daN	44,9	37,6	29,7	21,2	17,8	16	14	12,1
	d mm	9	10	13	18	20	22	24	28
3.Max Vibration	2a mm	1	1,2	1,5	2	2,3	2,5	2,7	3,1
	f Hz	10,7	9,8	8,8	7,7	7,2	7	6,9	6,3
1.Max Static	F daN	15	12,5	9,9	7,1	6	5,4	4,7	4
	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	48,1	43,3	39	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	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	3,5	3
	d mm	2	2,4	3	4	4,7	5,1	5,7	6,3
2.Max Shock	F daN	27,9	23,4	18,5	13,2	11,2	10	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	3,4	3,7	4	4,6
	f Hz	9,2	8,5	7,7	6,7	6,3	6	5,9	5,4
1.Max Static	F daN	11,2	9,4	7,4	5,3	4,5	4	3,5	3
	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
	d mm	3	4	5	7	8	9	11	12
3.Max Vibration	2a mm	0,4	0,5	0,6	0,8	1	1	1,2	1,3
	f Hz	19	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	3,5	3	2,7	2,3	2
	d mm	2,4	2,9	3,6	5	5,8	6,3	6,8	7,9
2.Max Shock	F daN	29,7	24,5	19	13,3	11,1	9,9	9	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	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)

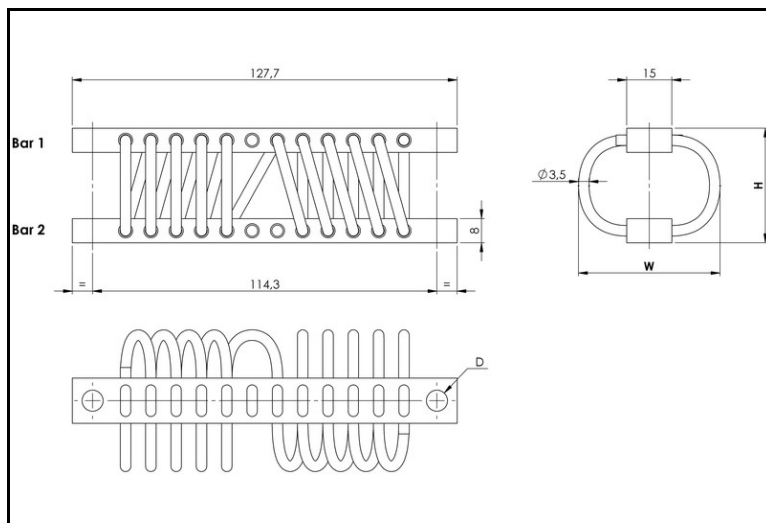
***IMPORTANT:** Performance characteristics are given here for reference only. They can be increased under specific conditions. Contact us

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 C4H



- 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 millimeters. For reference only

SERIES
Materials and finishes (meets RoHS requirements)
C4H
Cable: stainless steel
Retainer bars: aluminium alloy/ SurTec
All stainless steel : C4HSS
Other materials on request

MODEL			
	height H (mm)	width W (mm)	weight (kg)
310	28	37	0,11
410	30	39	0,11
510	33	42	0,12
610	36	44	0,12
710	38	47	0,12
810	41	49	0,13
910	44	52	0,13
1010	51	61	0,14
1110	53	63	0,14
1210	54	71	0,15
1310	57	80	0,16

INTERFACES			
fixtures holes D	Bar 1		
	2 through holes ø7mm	2 through holes ø7mm countersunk 90°	2 x M6
Bar 2			
2 through holes ø7mm	no suffix	not standard	not standard
2 through holes ø7mm countersunk 90°	CM	CM2	not standard
2 x M6	IM	CIM	IM2

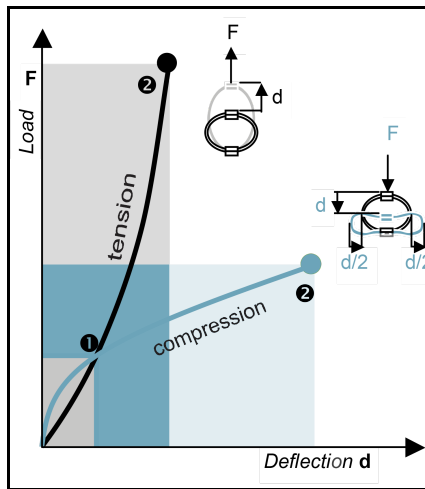
C	4	H	3	1	0	C	I	M
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SERIE: C4H
'Helical' mount from
the C4H series

MODEL: 310
height: 28mm
width: 37mm
weight: 0,11kg
loops: serie
standard is 10 loops

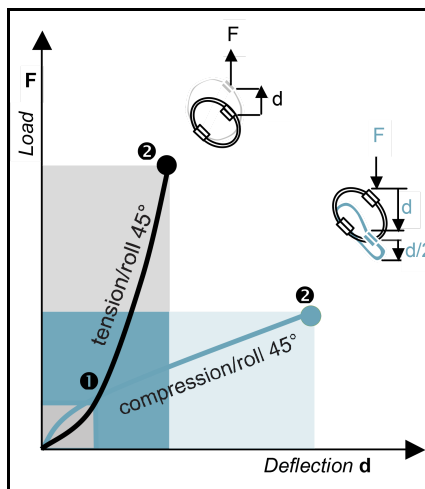
INTERFACE: CIM
2 through holes ø7mm
countersunk 90° in bar 1,
2 x M6 in bar 2





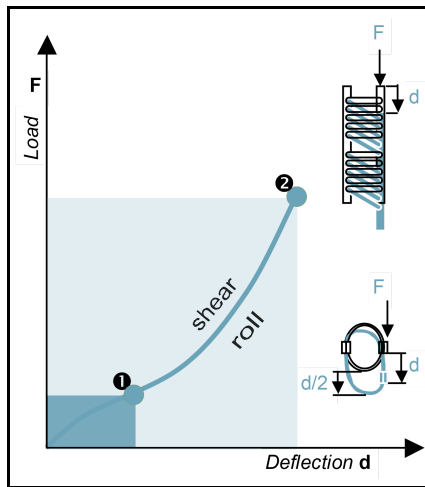
COMPRESSION AND TENSION

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	6,1	6,6
2.Max Shock	F daN	85,6	76,1	64,4	57,5	50	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
	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	2,2	2,5	2,7	3	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	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	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	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	5,4	6,1	7,9	8,3	9,5	10,9
2.Max Shock	F daN	56,6	50	42	37	32,4	29	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	5	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	16,1	14,4	12,5	11,3	9,9	7,1	6,6	5,1	3,9
	d mm	2	2,2	2,6	2,9	3,3	3,5	3,9	5,2	5,4	6,7	8
2.Max Shock	F daN	151	130	106	88,2	79	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	2,1	3	3,9
	f Hz	14,9	14	12,9	12,3	11,5	11,1	10,6	9,2	9	8	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
2.Max Shock	F daN	85,2	71,1	56	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	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	6,6	6,1

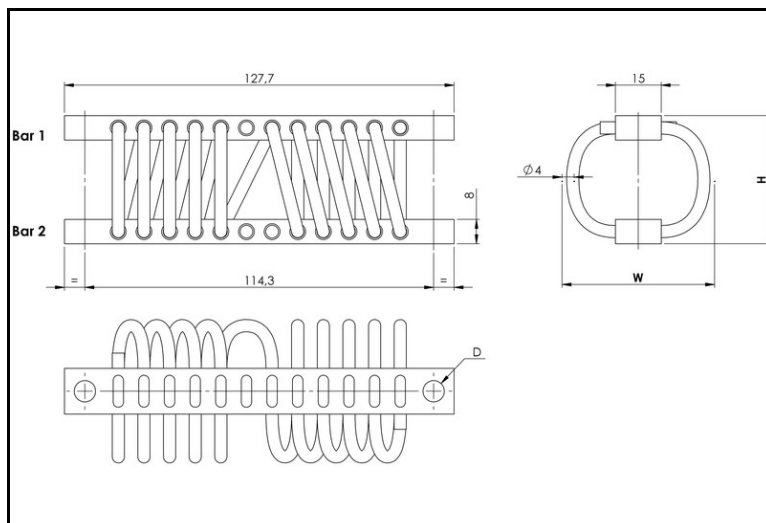
1. Max static load (F) with corresponding deflection (d)
 2. Max shock load (F) with corresponding deflection (d)
 3. Uncoupled resonant frequency (f) under max static loading 1. and max peak to peak sinusoidal vibration input (2a)
- *IMPORTANT:** Performance characteristics are given here for reference 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'

DEFINITION
series C5H



- 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 millimeters. For reference only

SERIES
Materials and finishes (meets RoHS requirements)
C5H
Cable: stainless steel
Retainer bars: aluminium alloy/ SurTec
All stainless steel : C5HSS
Other materials on request

MODEL	height H (mm)	width W (mm)	weight (kg)
310	29	38	0,12
410	31	40	0,12
510	34	43	0,13
610	37	45	0,13
710	39	48	0,14
810	42	50	0,14
910	45	53	0,15
1010	52	62	0,16
1110	54	64	0,17
1210	54	72	0,17
1310	58	81	0,19

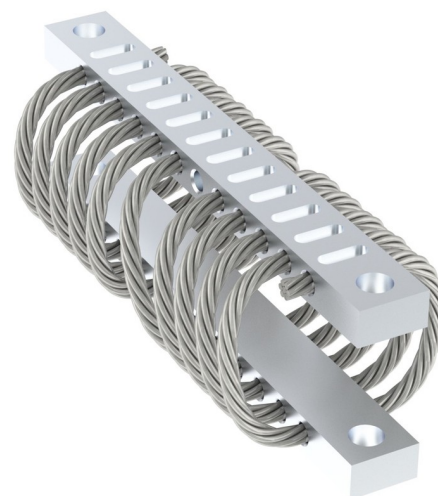
INTERFACES	Bar 1		
fixtures holes D	2 through holes ø7mm	2 through holes ø7mm countersunk 90°	2 x M6
Bar 2			
2 through holes ø7mm	no suffix	not standard	not standard
2 through holes ø7mm countersunk 90°	CM	CM2	not standard
2 x M6	IM	CIM	IM2

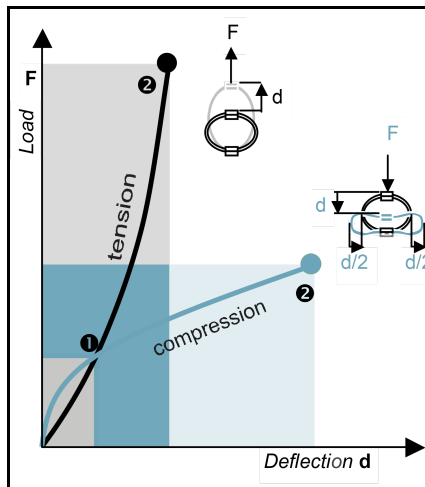
C	5	H	3	1	0	C	I	M
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SERIE: C5H
'Helical' mount from
the C5H series

MODEL: 310
height: 29mm
width: 38mm
weight: 0,12kg
loops: serie
standard is 10 loops

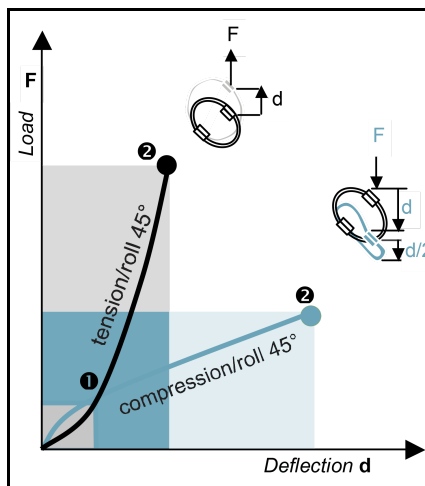
INTERFACE: CIM
2 through holes ø7mm
countersunk 90° in bar 1,
2 x M6 in bar 2





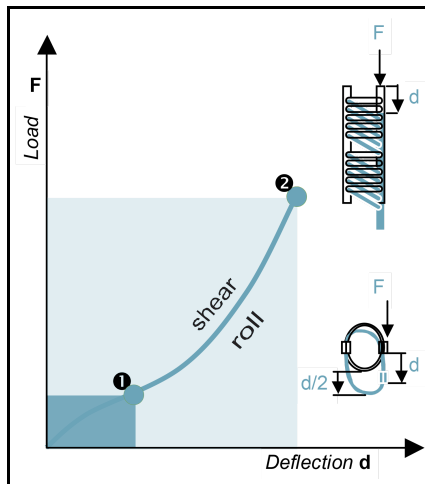
COMPRESSION AND TENSION

C5H Series	Model	310	410	510	610	710	810	910	1010	1110	1210	1310
1.Max Static	F daN	49,6	44	37,3	33,3	29	26,2	23	16,7	15,6	11,9	9,2
	d mm	2	2,3	2,8	3,2	3,6	4	4,4	5,7	6	6,1	6,8
2.Max Shock	F daN	148	132	111	99,8	87	78,6	69,1	50	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	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	6,4	6,2	6,7	6,5
1.Max Static	F daN	49,6	44	37,3	33,3	29	26,2	23	16,7	15,6	11,9	9,2
	d mm	1,5	1,7	2	2,2	2,5	2,7	3	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	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	9	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	28	25	21,7	19,7	17,3	12,5	11,7	8,9	6,9
	d mm	3	3,4	4	4,5	5,1	5,6	6,2	8	8,4	9,6	11
2.Max Shock	F daN	97,4	86,1	72,4	63,9	56	50,2	44	32,1	30	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	3,3	3,7	4,2	5,2	5,5	5,5	6,1
	f Hz	9,7	8,9	8	7,2	7	6,4	6	5,5	5,3	5,7	5,5
1.Max Static	F daN	37,2	33	28	25	21,7	19,7	17,3	12,5	11,7	8,9	6,9
	d mm	2	2,3	2,7	2,9	3,3	3,6	4	5,2	5,5	6,7	8
2.Max Shock	F daN	249	215	177	148	133	115	100	75,6	70,4	65	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	2,1	3	3,9
	f Hz	14,8	13,8	12,8	12,3	11,4	11,1	10,5	9,2	9	8	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	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	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	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	3,1	3,7	4,4
	f Hz	11,8	11	10,1	9,4	8,9	8,5	8	7,1	6,9	6,6	6,1

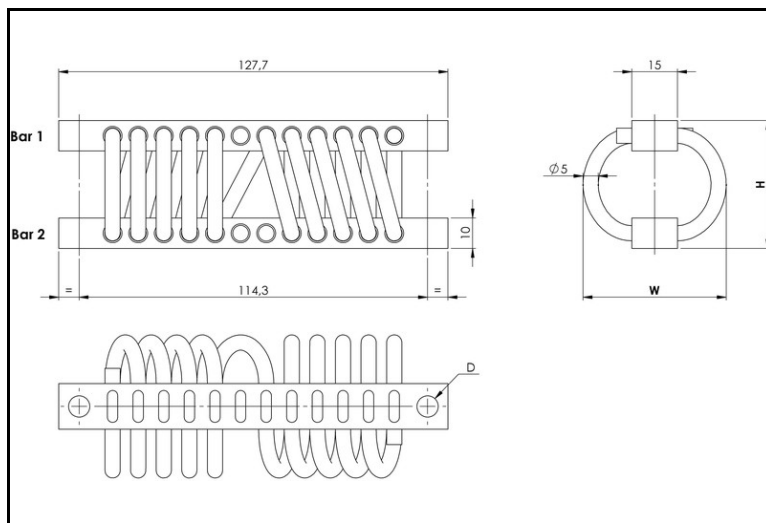
1. Max static load (F) with corresponding deflection (d)
 2. Max shock load (F) with corresponding deflection (d)
 3. Uncoupled resonant frequency (f) under max static loading 1. and max peak to peak sinusoidal vibration input (2a)
- *IMPORTANT:** Performance characteristics are given here for reference 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'

DEFINITION
series C6H



- 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 millimeters. For reference only

SERIES
Materials and finishes (meets RoHS requirements)
C6H
Cable: stainless steel
Retainer bars: aluminium alloy/ SurTec
All stainless steel : C6HSS
Other materials on request

MODEL	height H (mm)	width W (mm)	weight (kg)
310	31	37	0,15
410	34	39	0,16
510	37	42	0,17
610	39	44	0,17
710	42	47	0,18
810	44	49	0,19
910	51	58	0,21
1010	52	63	0,22
1110	55	74	0,24
1210	57	80	0,25
1310	81	107	0,32

INTERFACES	Bar 1		
fixtures holes D	2 through holes ø7mm	2 through holes ø7mm countersunk 90°	2 x M6
Bar 2	no suffix	not standard	not standard
2 through holes ø7mm	no suffix	not standard	not standard
2 through holes ø7mm countersunk 90°	CM	CM2	not standard
2 x M6	IM	CIM	IM2

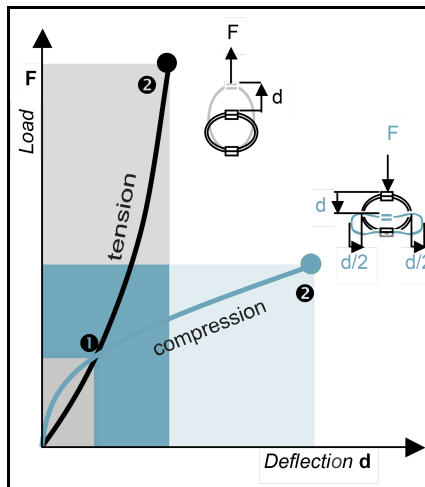
C	6	H	3	1	0	C	I	M
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SERIE: C6H
'Helical' mount from
the C6H series

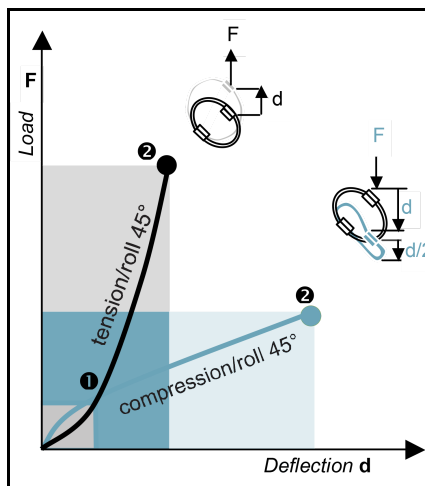
MODEL: 310
height: 31mm
width: 37mm
weight: 0,15kg
loops: serie
standard is 10 loops

INTERFACE: CIM
2 through holes ø7mm
countersunk 90° in bar 1,
2 x M6 in bar 2

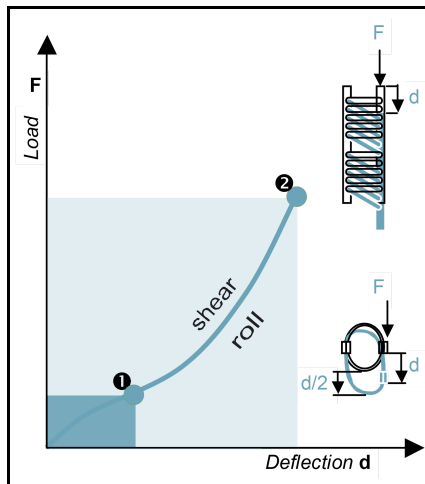




COMPRESSION AND TENSION												
C6H Series	Model	310	410	510	610	710	810	910	1010	1110	1210	1310
1.Max Static	F daN	101	90,8	77,1	69,5	60,1	54,8	38,8	32,8	22,6	19	11,1
	d mm	1,7	2,1	2,5	2,8	3,2	3,5	4,8	5,3	5,6	6	10
2.Max Shock	F daN	304	272	231	208	180	164	116	98,5	67,8	57,2	33,4
	d mm	9	11	14	16	18	20	27	28	30	32	54
3.Max Vibration	2a mm	1	1,3	1,6	1,8	2,1	2,3	3	3,2	3,4	3,6	5,9
	f Hz	12,4	10,4	9,3	8,7	8	7,6	6,9	6,9	7,2	7	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	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	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	14,3	8,3
	d mm	2,4	2,9	3,5	3,9	4,6	5	6,8	7,6	9,2	10	15,9
2.Max Shock	F daN	198	174	147	132	114	104	74,5	64	45,8	39	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	5,4	8,9
	f Hz	10,5	8,9	8	7,5	6,9	6,6	5,9	5,9	6	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	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	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	9,2	8	7,5	6,1



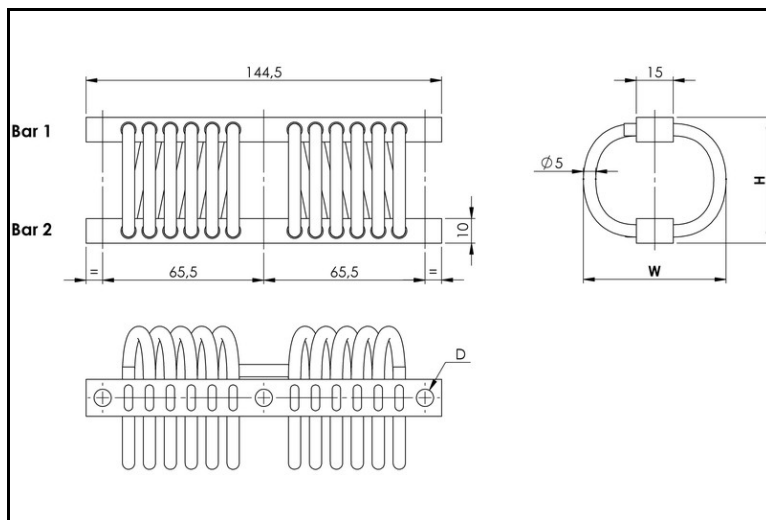
SHEAR OR ROLL												
C6H Series	Model	310	410	510	610	710	810	910	1010	1110	1210	1310
1.Max Static	F daN	50,8	45,4	38,5	34,8	30	27,4	19,4	16,4	11,3	9,5	5,6
	d mm	2	2,8	3,6	4,1	4,8	5,4	7,1	7,6	8,2	8,8	15
2.Max Shock	F daN	293	223	179	157	132	118	86,1	78,7	66,2	59,1	29,8
	d mm	8	9	11	13	15	16	22	26	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	11,7	10,6	10	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) <i>*IMPORTANT: Performance characteristics are given here for reference only. They can be increased under specific conditions. Contact us</i>												

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 / -290°F to 570 F
- Great adaptability/versatility

Specials on request

(material size and number of loops, etc.)

Dimensions are in millimeters. For reference only

SERIES
Materials and finishes (meets RoHS requirements)
C1260
Cable: stainless steel (galvanized available)
Retainer bars: aluminium alloy/ SurTec
All stainless steel : CSS
Other materials on request

MODEL	height H (mm)	width W (mm)	weight (kg)
-13	51	58	0,24
-16	53	63	0,25
-18	52	70	0,26
-20	55	74	0,27
-39	57	80	0,28
-50	82	106	0,36

INTERFACES			
fixtures holes D	Bar 1		
	3 through holes ø7mm	3 through holes ø7mm countersunk 90°	3 x M6
Bar 2			
3 through holes ø7mm	no suffix	not standard	not standard
3 through holes ø7mm countersunk 90°	CM	CM2	not standard
3 x M6	IM	CIM	IM2

C	1	2	6	0	-	1	3	C	I	M
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SERIE: C1260

'Helical' mount from the C1260 series

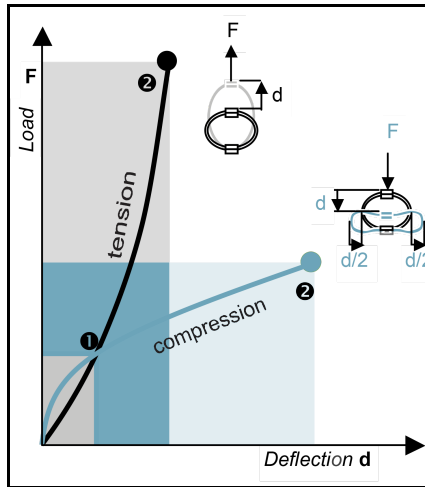
MODEL: -13

height: 51mm
width: 58mm
weight: 0,24kg
loops: serie
standard is 11 loops

INTERFACE: CIM

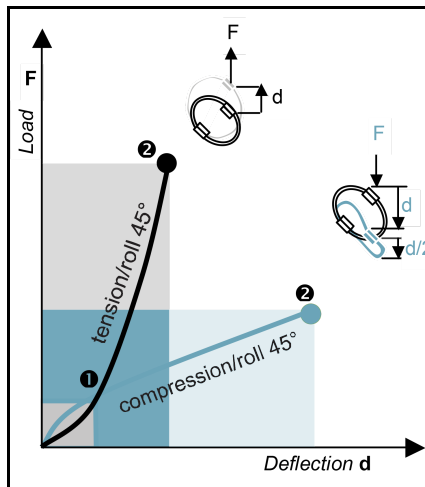
3 through holes ø7mm
countersunk 90° in bar 1,
3 x M6 in bar 2





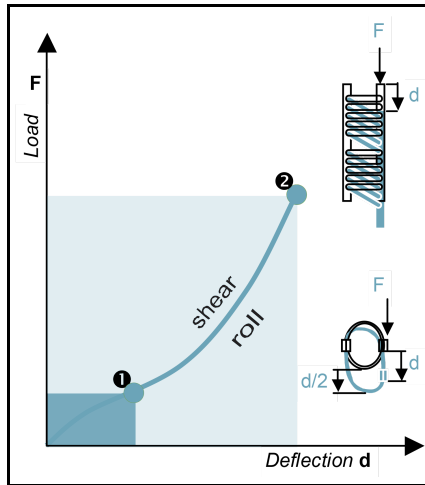
COMPRESSION AND TENSION

C1260 Series	Model	-13	-16	-18	-20	-39	-50
1.Max Static	F daN	42,7	36,1	27,8	24,9	21	12,5
	d mm	4,8	5,3	5,2	5,6	6	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	3,2	3,1	3,4	3,6	6
	f Hz	6,9	6,9	7,5	7,2	7	5,2
1.Max Static	F daN	42,7	36,1	27,8	24,9	21	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	27,1	20,8	18,7	15,7	9,4
	d mm	6,8	7,6	8,4	9,2	10	15,8
2.Max Shock	F daN	82	70,4	56,3	50,4	42,9	25
	d mm	40	43	41	45	48	82
3.Max Vibration	2a mm	4,5	4,8	4,6	5	5,4	9,1
	f Hz	5,9	5,9	6,3	6	5,9	4,4
1.Max Static	F daN	32	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	3,3	3,9	5,1
	f Hz	10	9,2	8,3	8	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	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	6,7	6,4	5,1

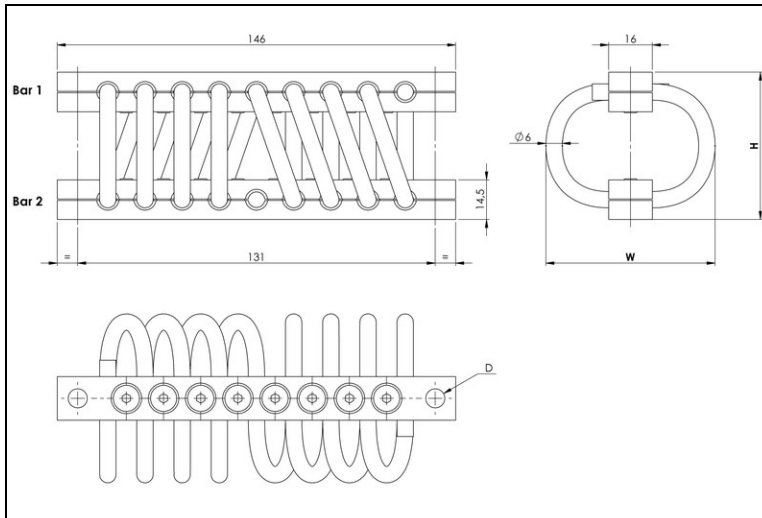
1. Max static load (F) with corresponding deflection (d)
 2. Max shock load (F) with corresponding deflection (d)
 3. Uncoupled resonant frequency (f) under max static loading 1. and max peak to peak sinusoidal vibration input (2a)
- *IMPORTANT:** Performance characteristics are given here for reference 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 millimeters. 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		
	2 through holes ø7mm	2 through holes ø7mm counter-sunk 90°	2 inserts M6
Bar 2			
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
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SERIE: CB1270

'Helical' mount from the CB1270 series

MODEL: -10

height: 48mm

width: 55mm

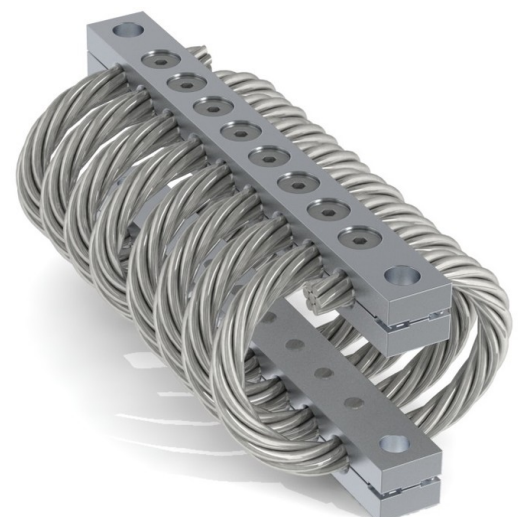
weight: 0,33kg

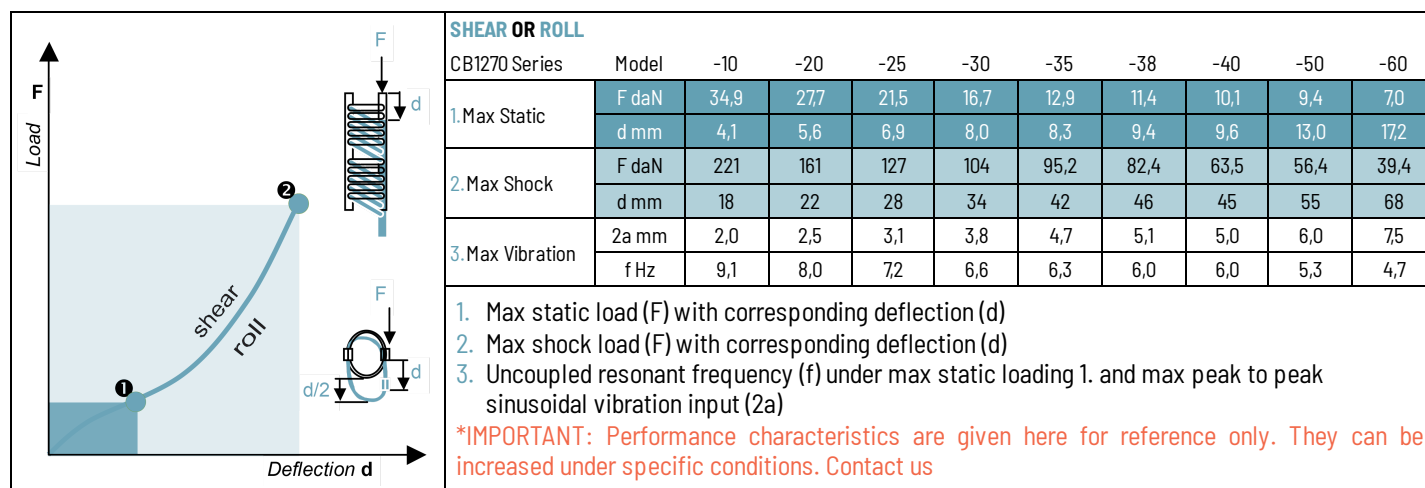
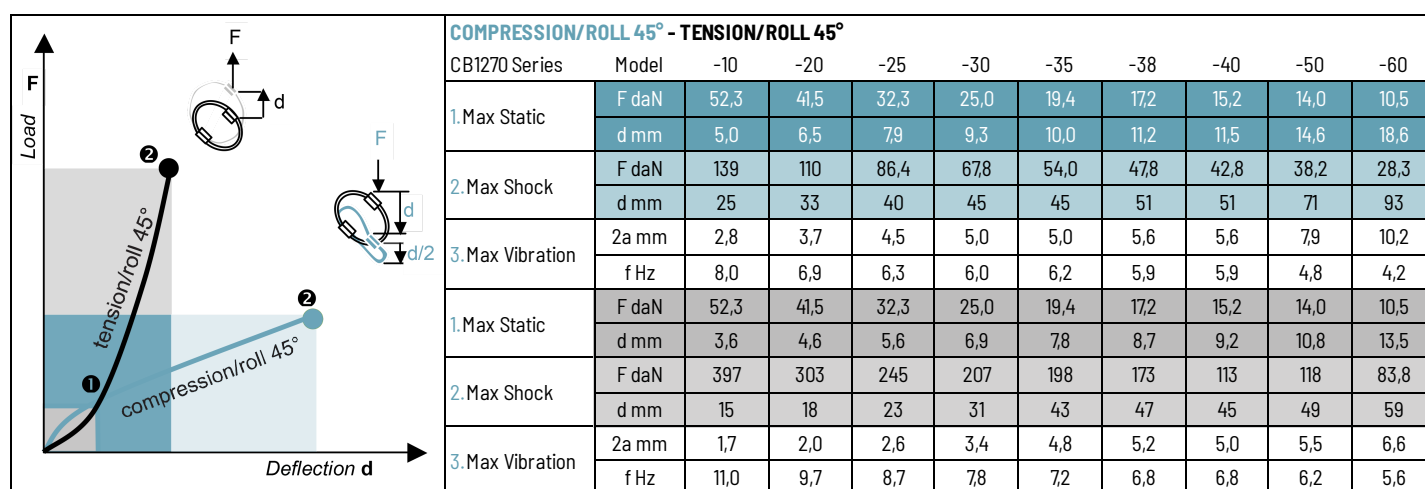
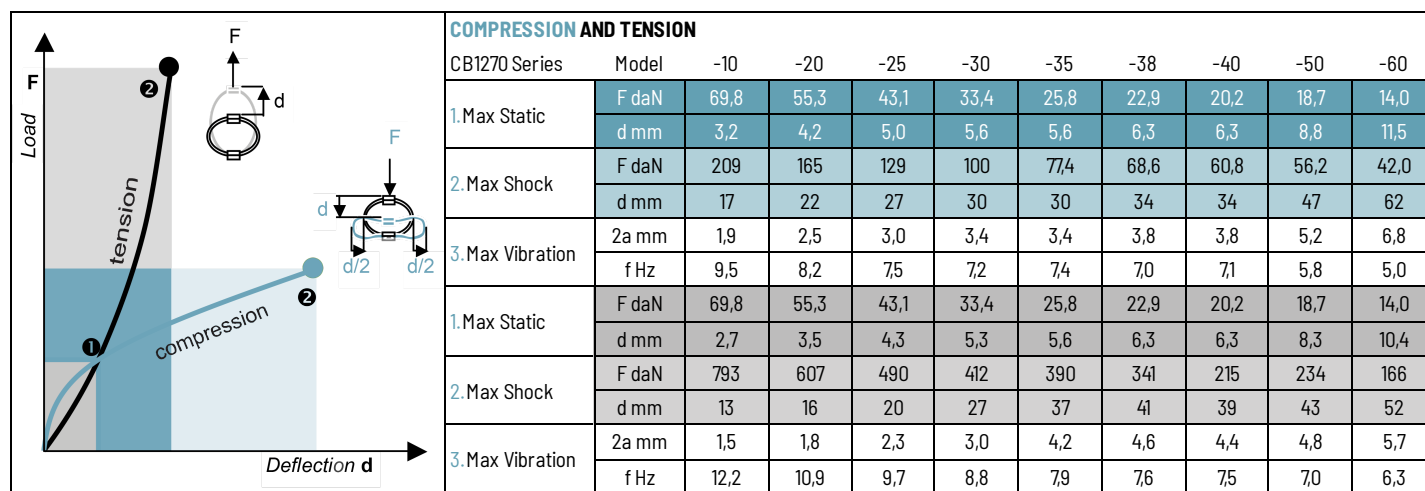
loops: serie

standard is 08 loops

INTERFACE: CIM

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



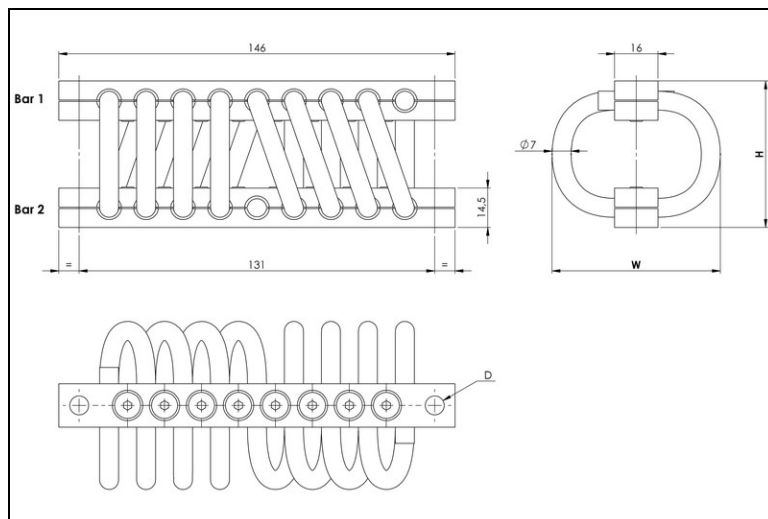


TYPICAL SHOCK/VIBRATION SPECIFICATIONS:

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 CB1280



- 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 millimeters. 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		
	2 through holes ø7mm	2 through holes ø7mm counter-sunk 90°	2 inserts M6
Bar 2			
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
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SERIE: CB1280

'Helical' mount from the CB1280 series

MODEL: -10

height: 48mm

width: 57mm

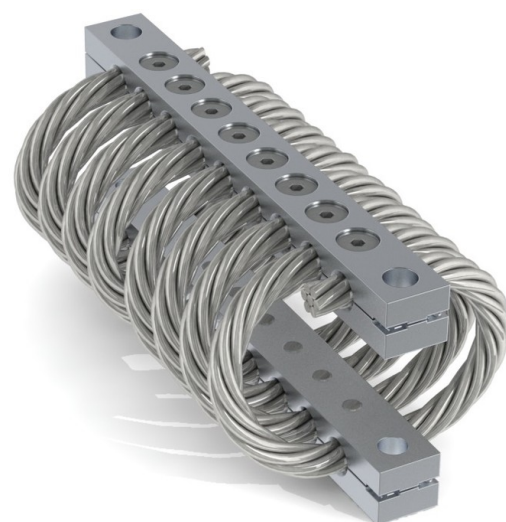
weight: 0,37kg

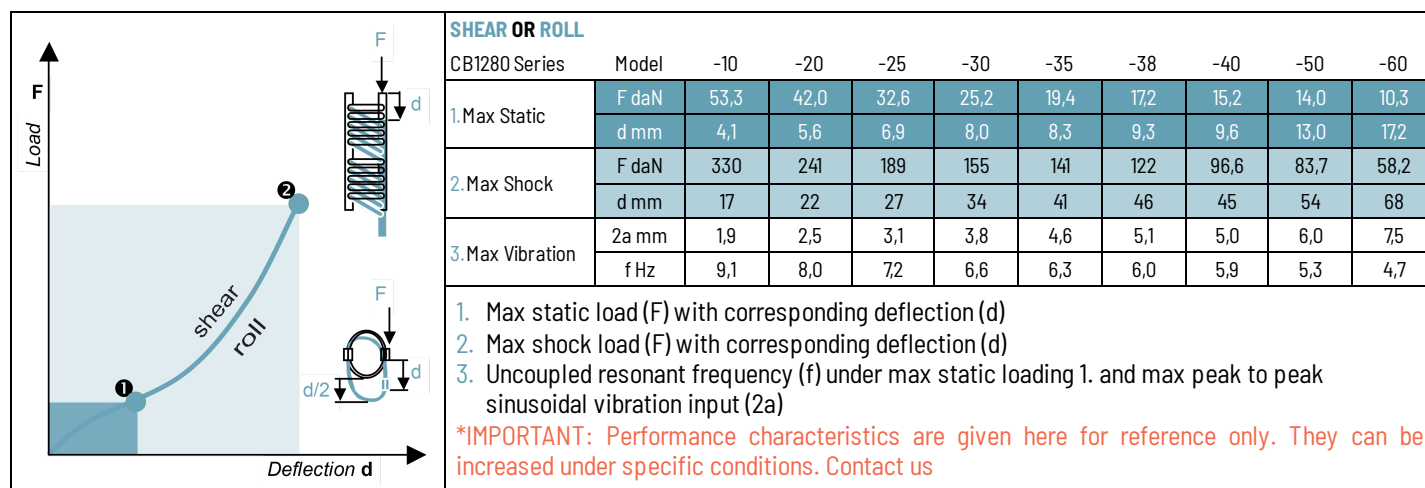
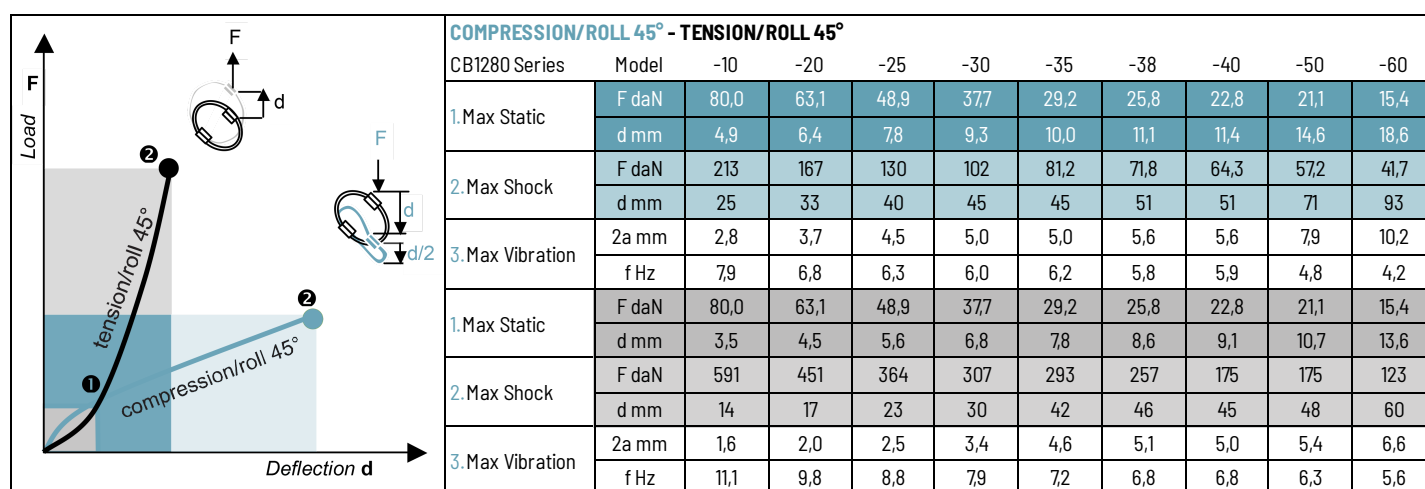
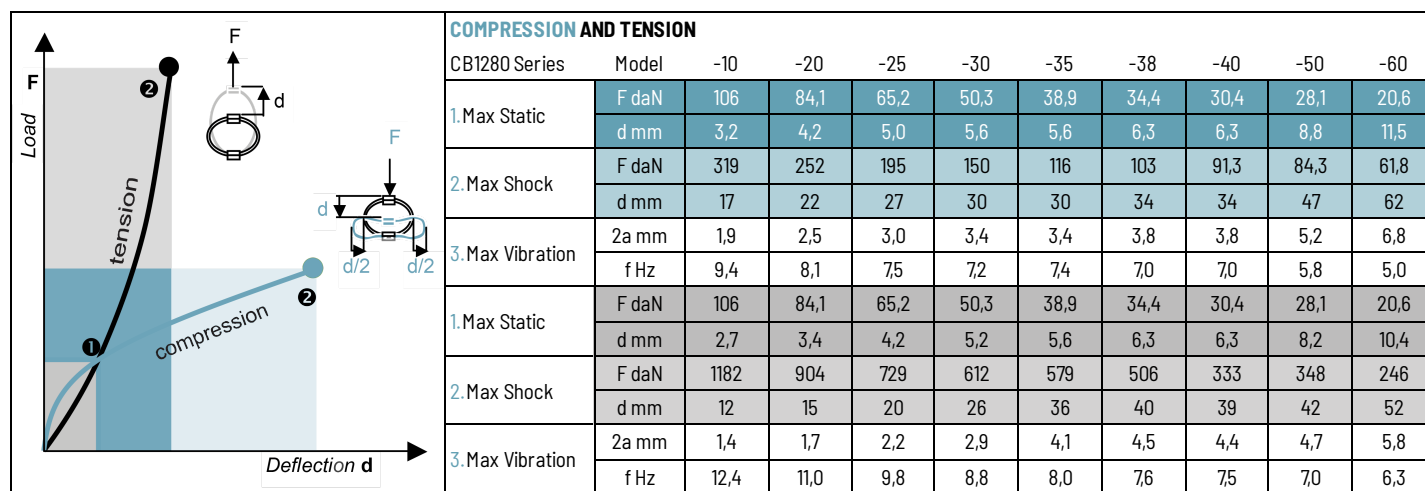
loops: serie

standard is 08 loops

INTERFACE: CIM

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



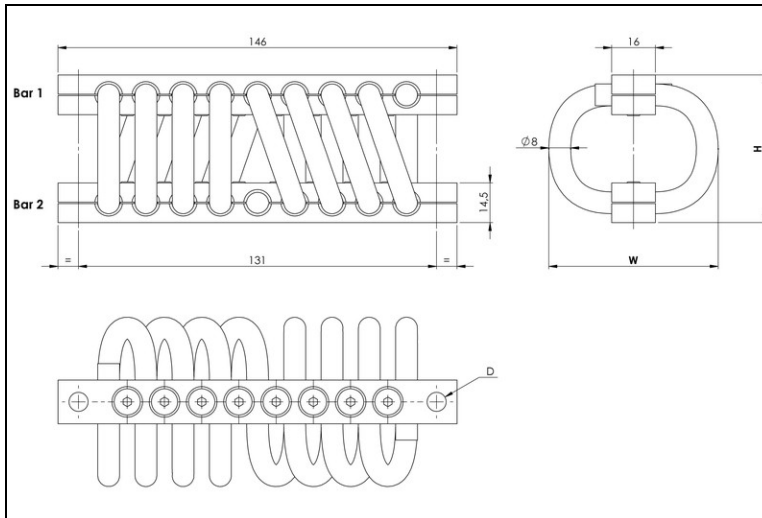


TYPICAL SHOCK/VIBRATION SPECIFICATIONS:

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 millimeters. 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		
	2 through holes ø7mm	2 through holes ø7mm counter-sunk 90°	2 inserts M6
Bar 2			
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
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SERIE: CB1290

'Helical' mount from the CB1290 series

MODEL: -10

height: 48mm

width: 59mm

weight: 0,44kg

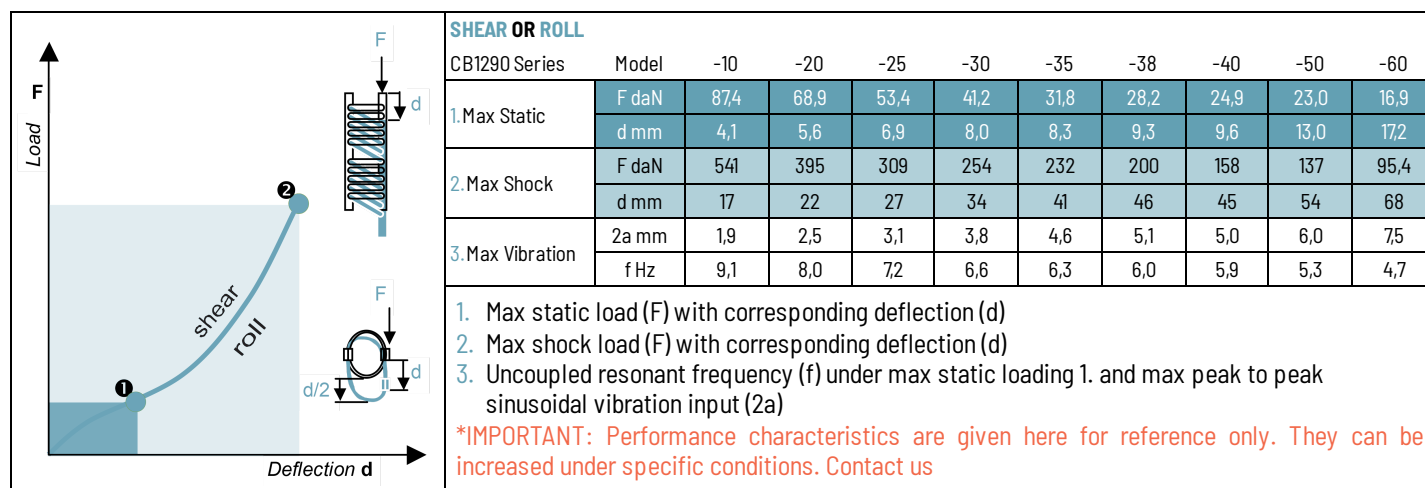
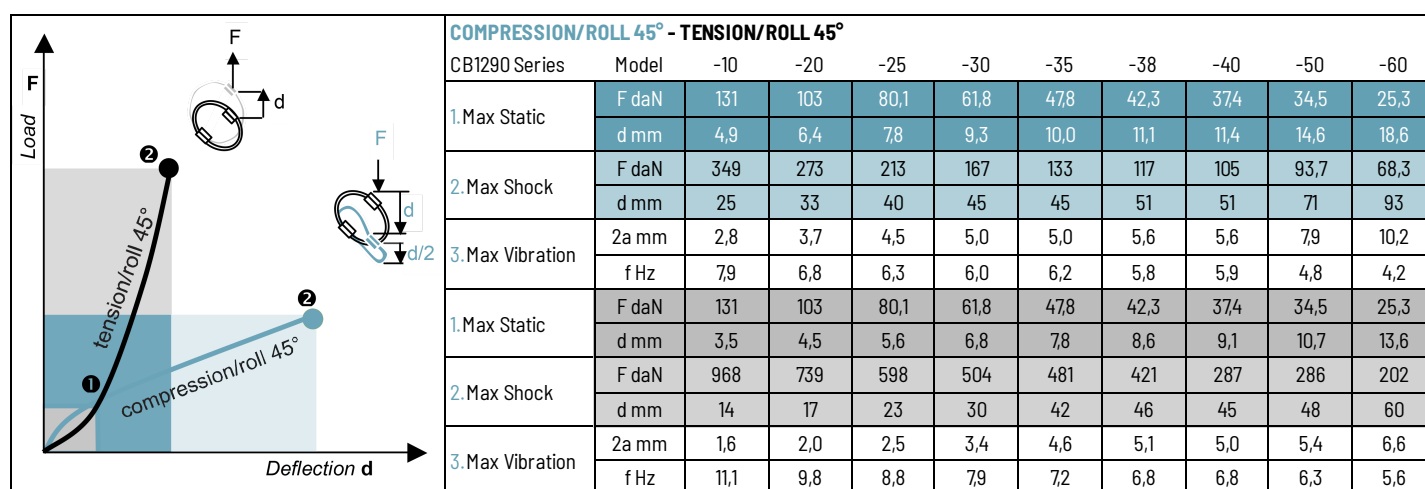
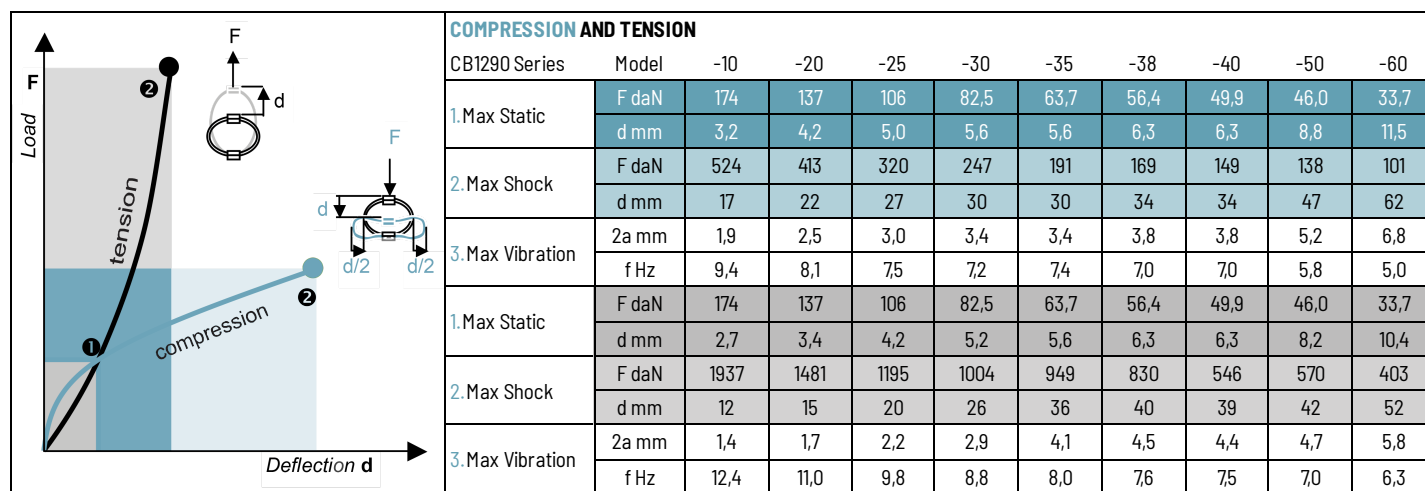
loops: serie

standard is 08 loops

INTERFACE: CIM

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



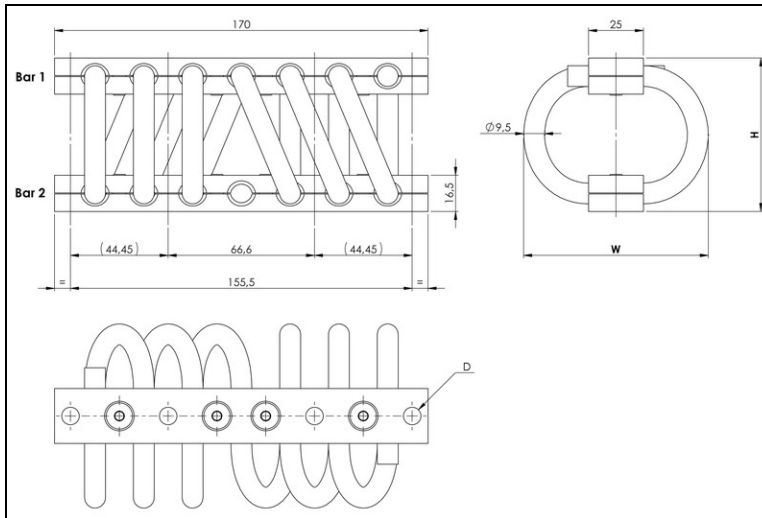


TYPICAL SHOCK/VIBRATION SPECIFICATIONS:

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 millimeters. 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		
	2 through holes ø7mm	2 through holes ø7mm counter- sunk 90°	4 inserts M6
Bar 2			
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
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SERIE: CB1300

'Helical' mount from the CB1300 series

MODEL: -12

height: 68mm

width: 80mm

weight: 0,71kg

loops: serie

standard is 06 loops

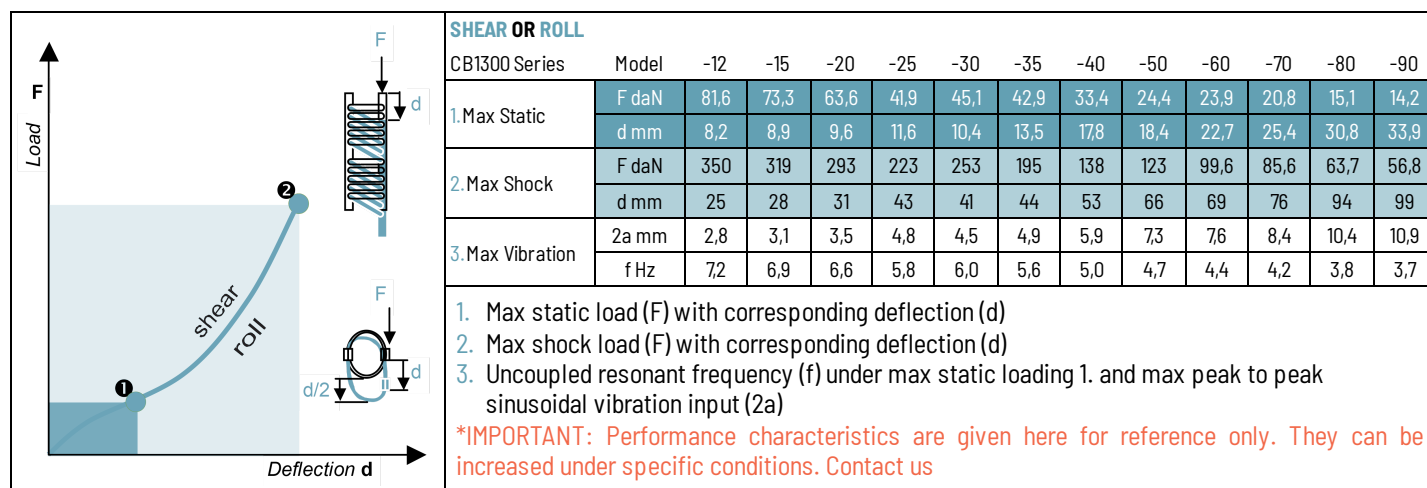
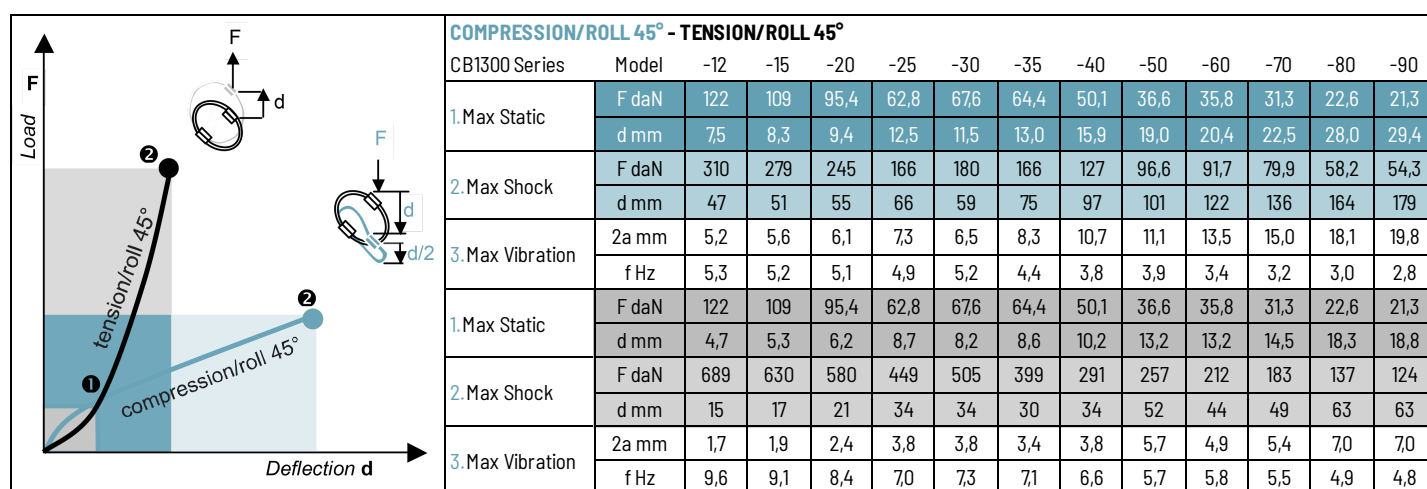
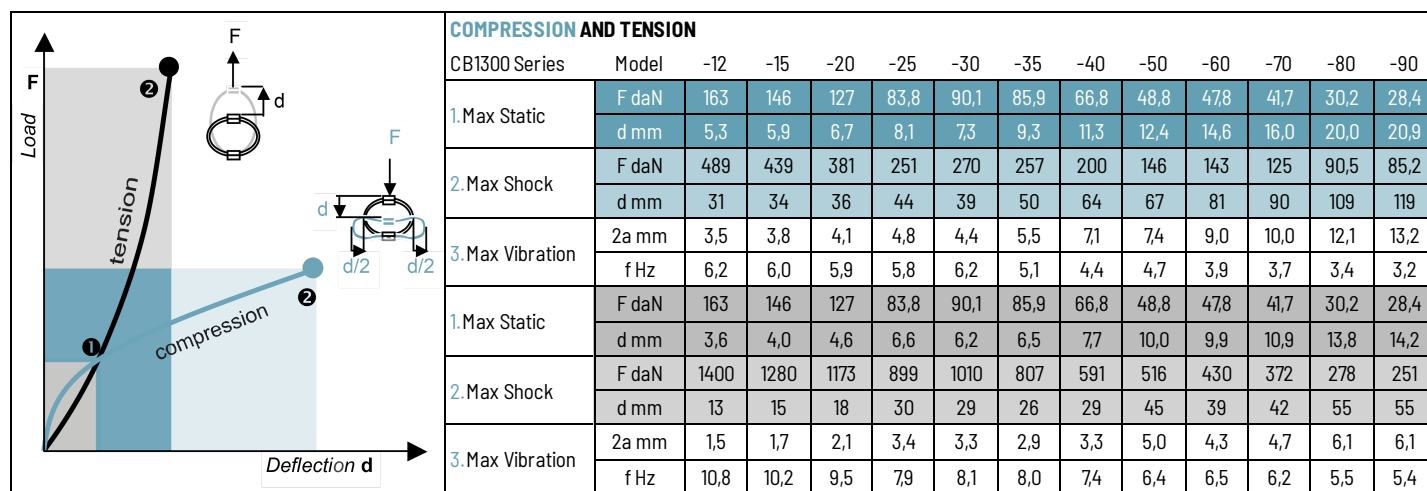
INTERFACE: CIM

2 through holes ø7mm

counter-sunk 90° in bar 1,

4 inserts M6 in bar 2



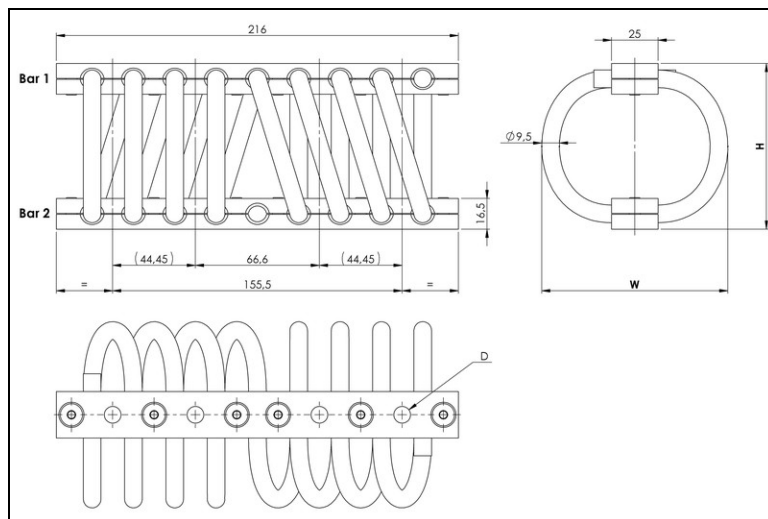


TYPICAL SHOCK/VIBRATION SPECIFICATIONS:

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 millimeters. 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		
	4 through holes ø8,4mm	4 through holes ø8,4mm counter-sunk 90°	4 inserts M8
Bar 2			
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

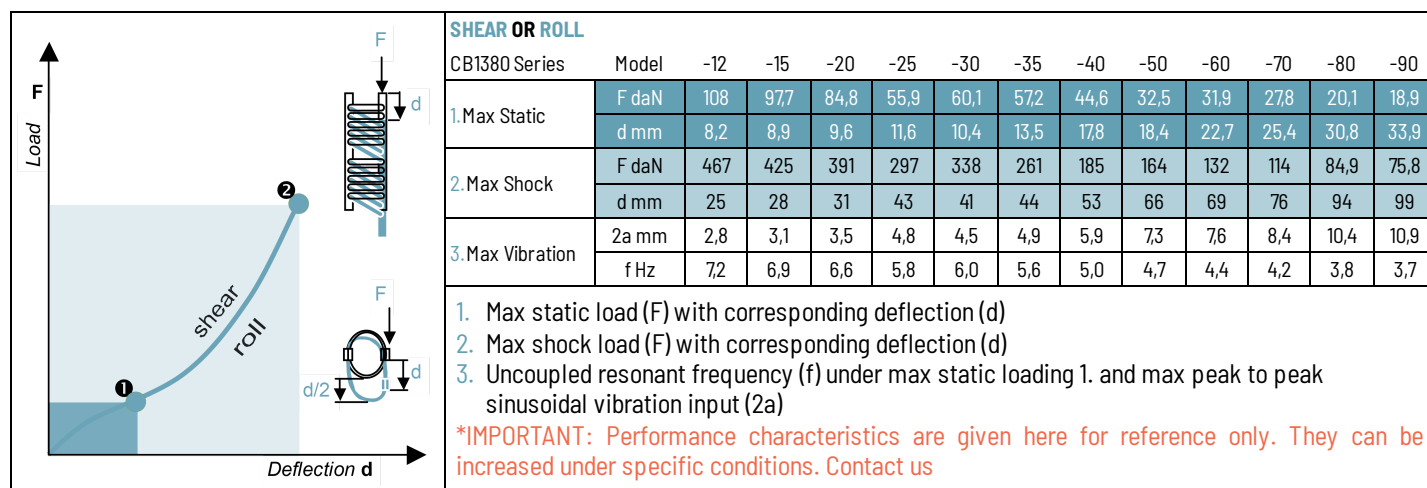
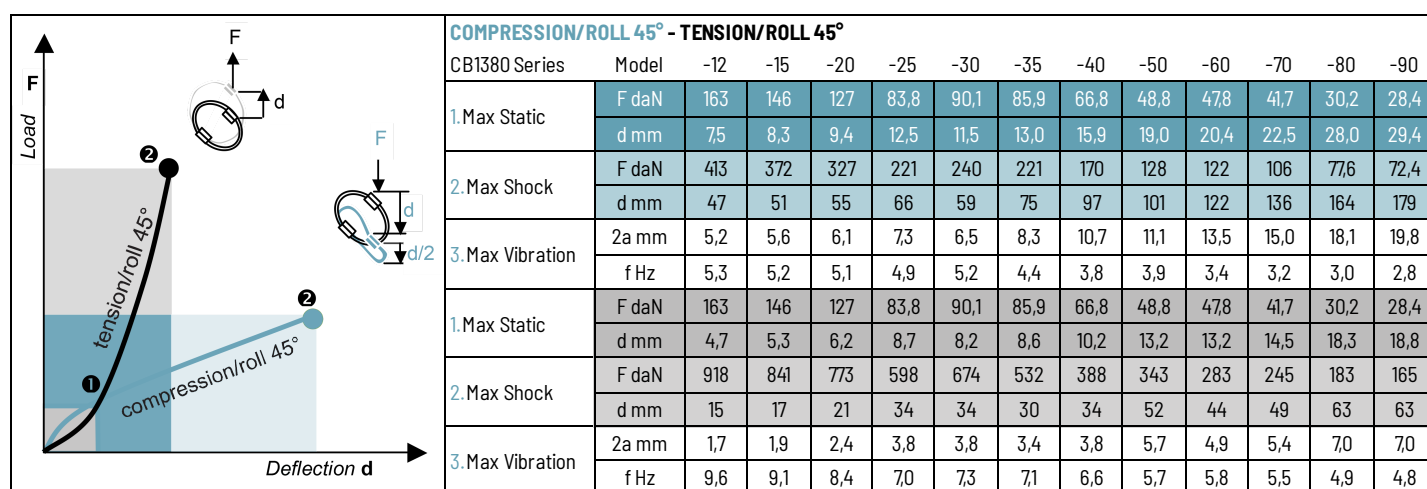
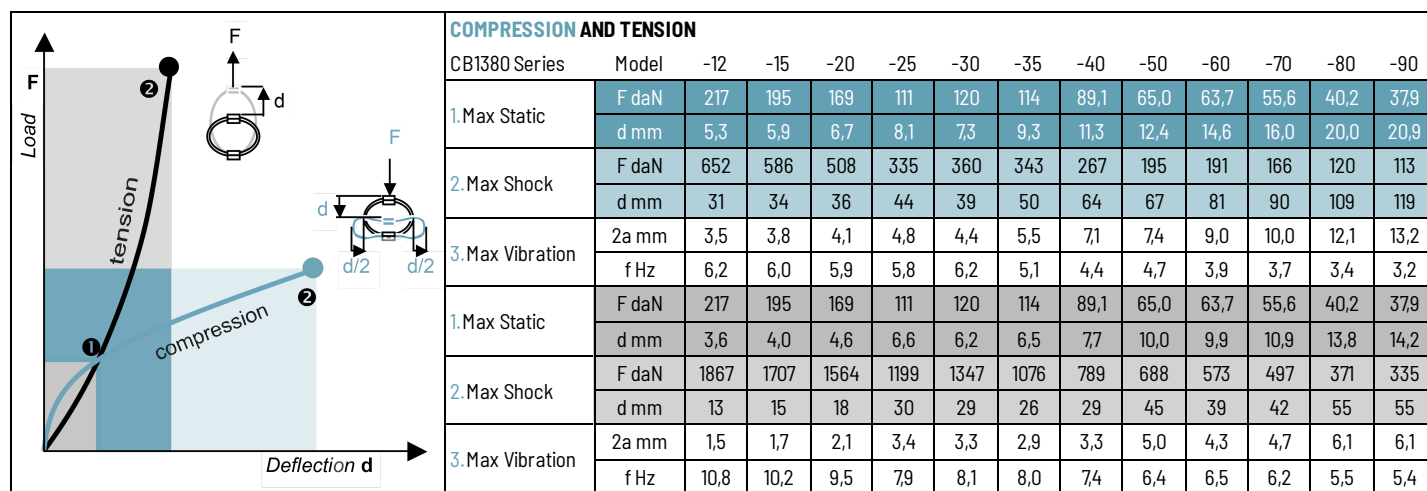
INTERFACE: CIM

4 through holes ø8,4mm

counter-sunk 90° in bar 1,

4 inserts M8 in bar 2



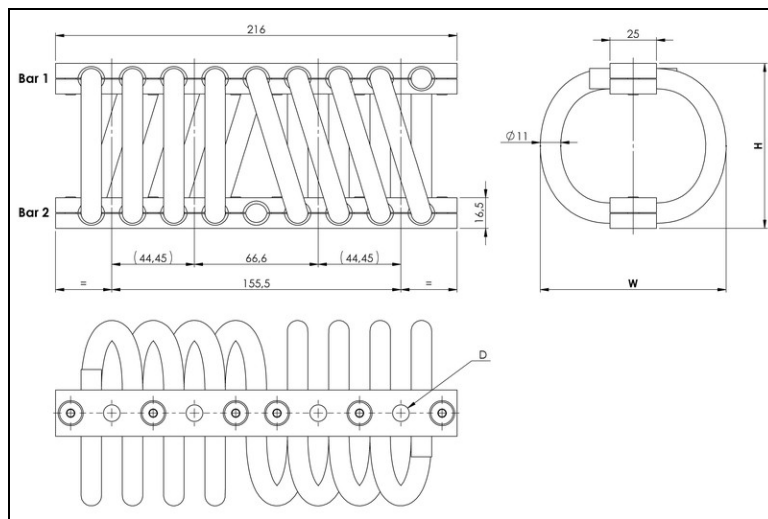


TYPICAL SHOCK/VIBRATION SPECIFICATIONS:

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 millimeters. 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		
	4 through holes ø8,4mm	4 through holes ø8,4mm counter-sunk 90°	4 inserts M8
Bar 2			
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

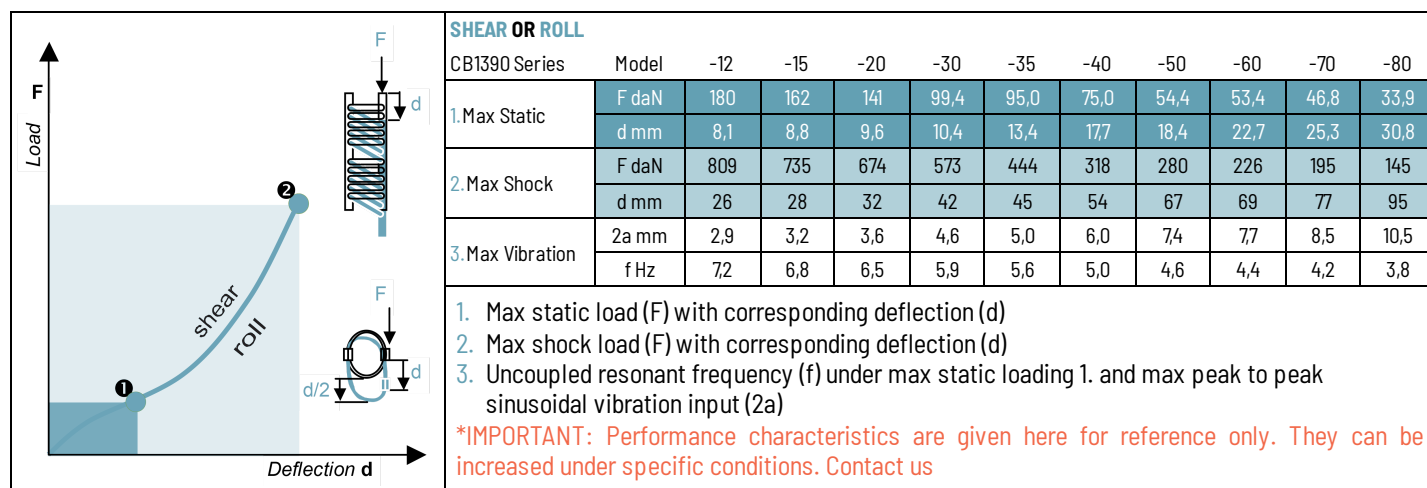
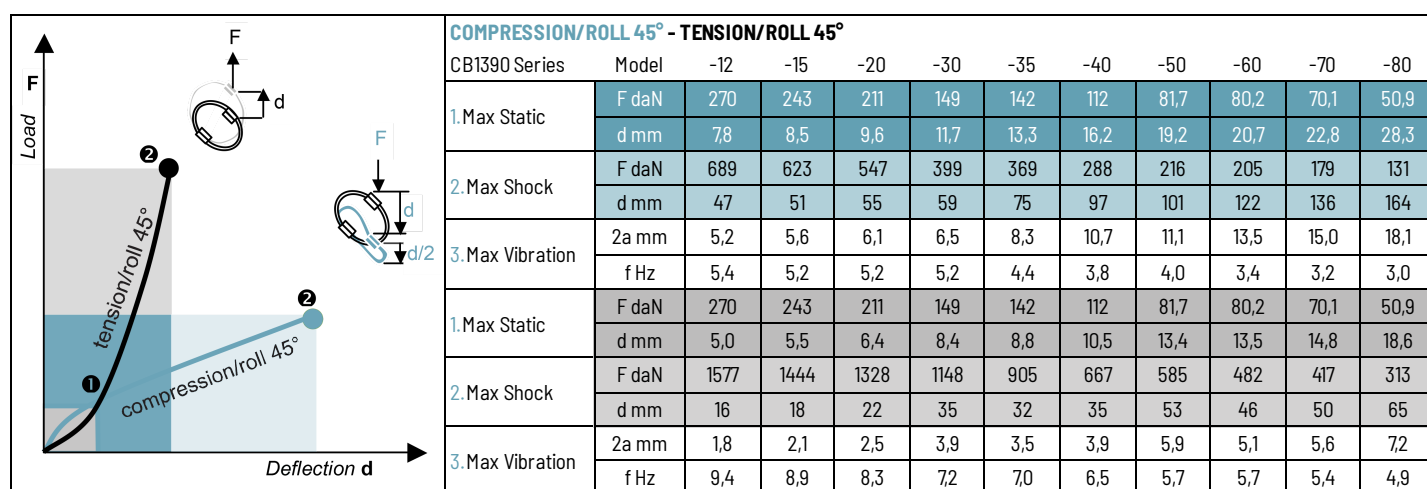
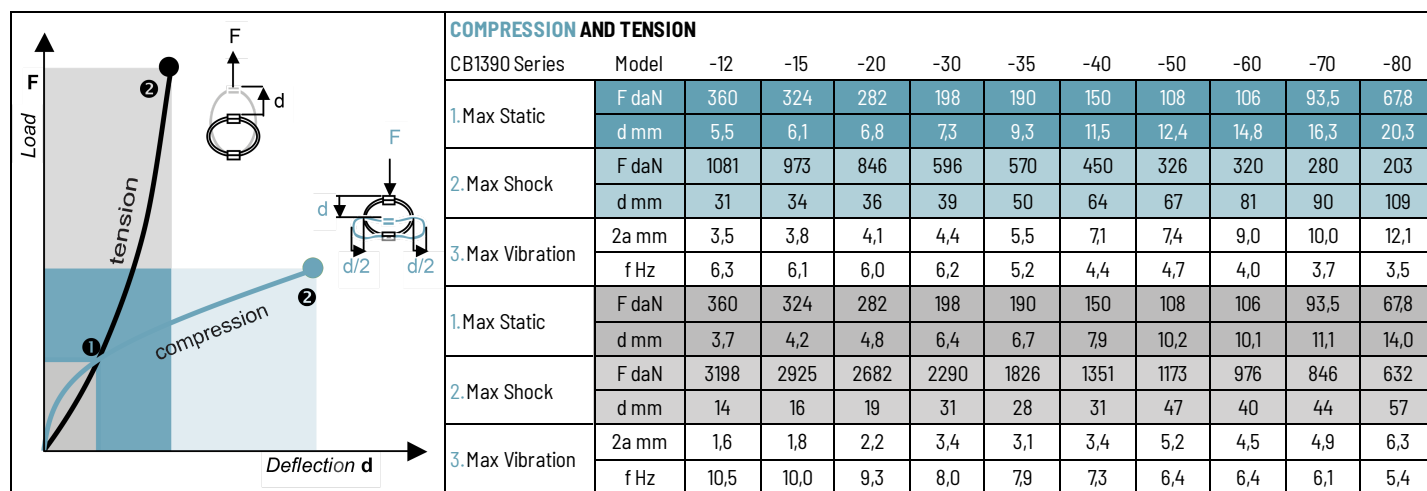
INTERFACE: CIM

4 through holes ø8,4mm

counter-sunk 90° in bar 1,

4 inserts M8 in bar 2



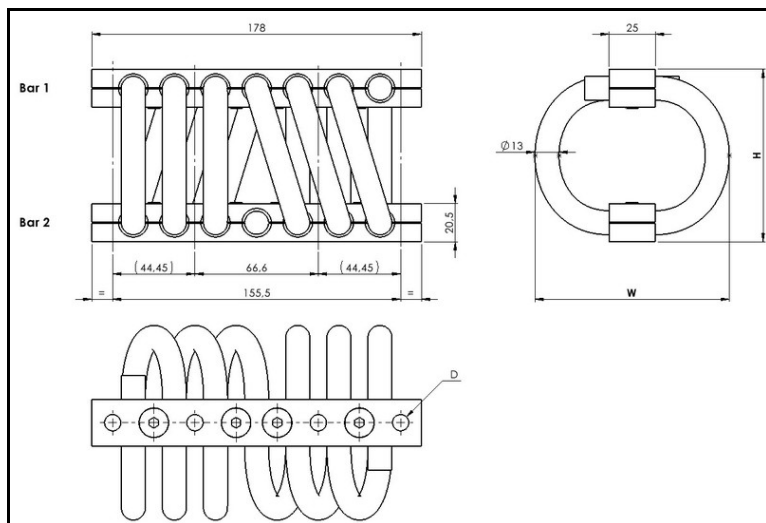


TYPICAL SHOCK/VIBRATION SPECIFICATIONS:

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 / -290°F to 570 F
- Great adaptability/versatility

Specials on request

(material size and number of loops, etc.)

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

C	B	6	1	4	0	0	-	1	2	C	I	M
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SERIE: CB61400

'Helical' mount from the CB61400 series

MODEL: -12

height: 76mm

width: 92mm

weight: 1,3kg

loops: serie

standard is 06 loops

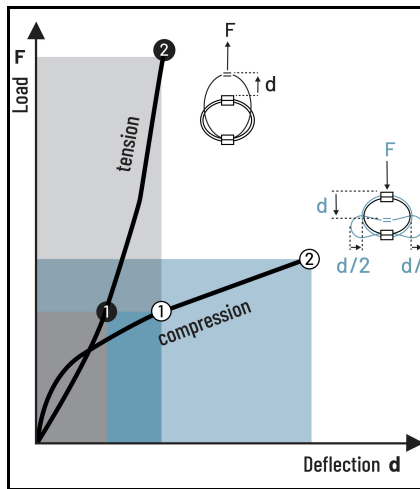
INTERFACE: CIM

4 through holes ø 8,8mm

counter-sunk 90° in bar 1,

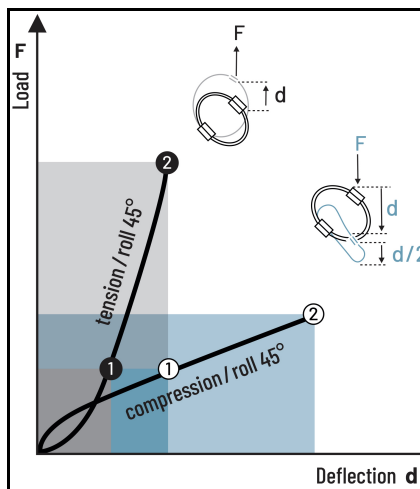
4 inserts M8 in bar 2





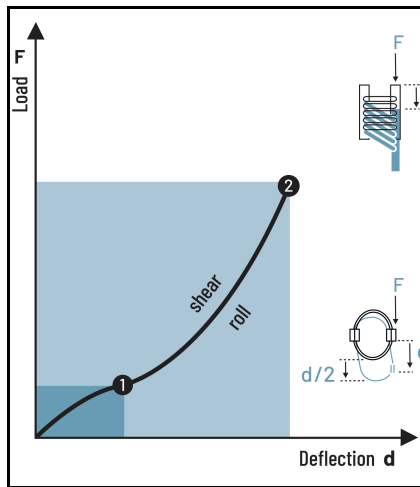
COMPRESSION AND TENSION

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



COMPRESSION/ROLL 45° - TENSION/ROLL 45°

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



SHEAR OR ROLL

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

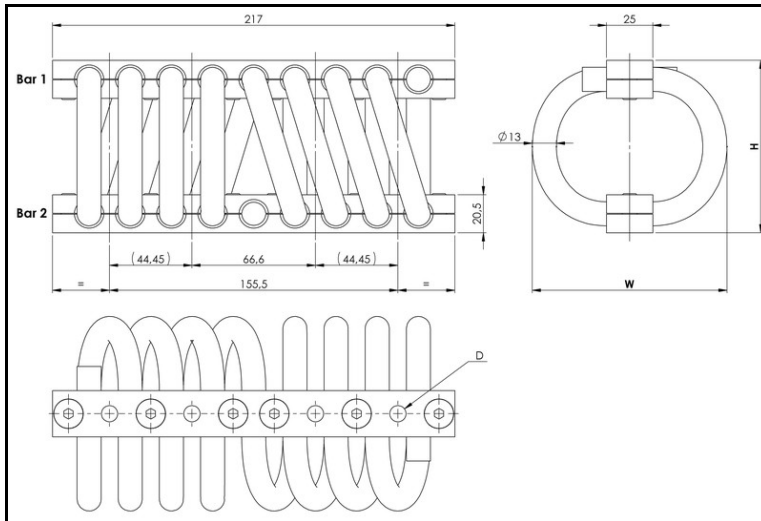
***IMPORTANT:** Performance characteristics are given here for reference only. They can be increased under specific conditions. Contact us

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 / -290°F to 570 F
- Great adaptability/versatility

Specials on request

(material size and number of loops, etc.)

Dimensions are in millimeters. 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)
-12	76	92	1,6
-15	83	102	1,8
-17	89	105	1,9
-20	95	121	2
-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	Bar 1	Bar 2
fixtures holes D	4 through holes ø8,8mm	4 through holes ø8,8mm counter-sunk 90°
Bar 2	no suffix	not standard
4 through holes ø8,8mm	CM	CM2
4 through holes ø8,8mm counter-sunk 90°	IM	CIM
4 inserts M8	IM	CIM

C	B	1	4	0	0	-	1	2	C	I	M
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SERIE: CB1400

'Helical' mount from the CB1400 series

MODEL: -12

height: 76mm

width: 92mm

weight: 1,6kg

loops: serie

standard is 08 loops

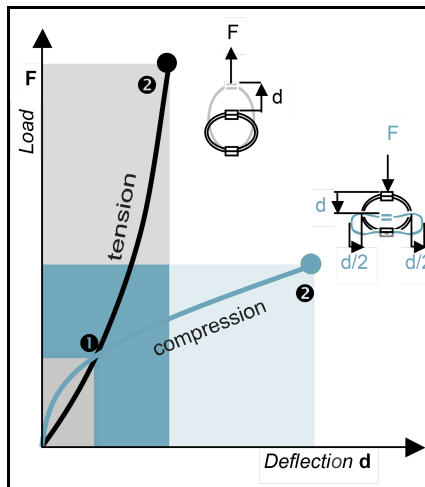
INTERFACE: CIM

4 through holes ø8,8mm

counter-sunk 90° in bar 1,

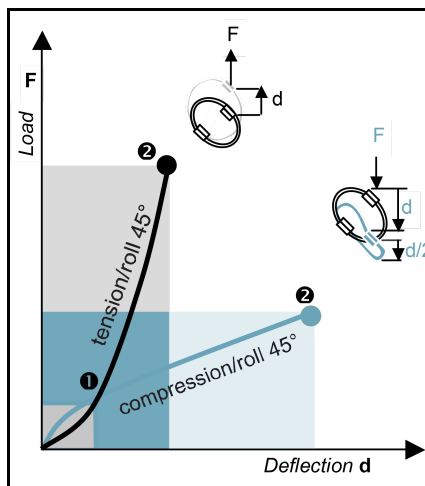
4 inserts M8 in bar 2





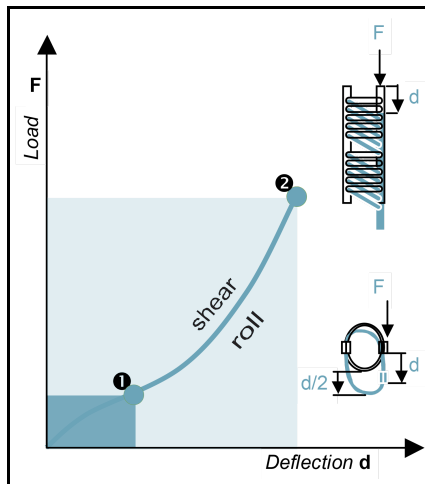
COMPRESSION AND TENSION

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



COMPRESSION/ROLL 45° - TENSION/ROLL 45°

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



SHEAR OR ROLL

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

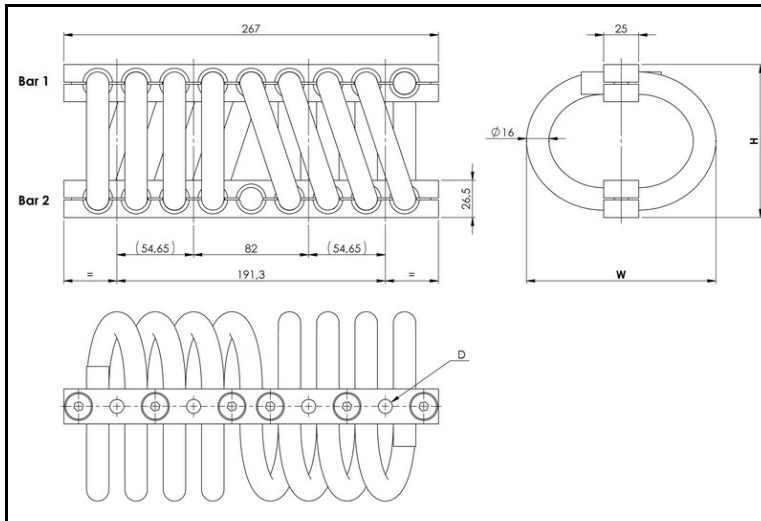
***IMPORTANT:** Performance characteristics are given here for reference only. They can be increased under specific conditions. Contact us

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 / -290°F to 570 F
- Great adaptability/versatility

Specials on request

(material size and number of loops, etc.)

Dimensions are in millimeters. For reference only

SERIES
Materials and finishes (meets RoHS requirements)
CB1500
Cable: stainless steel galvanized available: CBG
Retainer bars: aluminium alloy/ SurTec
Screws: alloy steel/ zinc plate
Inserts: stainless steel
All stainless steel: CBSS
Other materials on request

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

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

C	B	1	5	0	0	-	1	2	C	I	M
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SERIE: CB1500

'Helical' mount from the CB1500 series

MODEL: -12

height: 89mm

width: 102mm

weight: 2,7kg

loops: serie

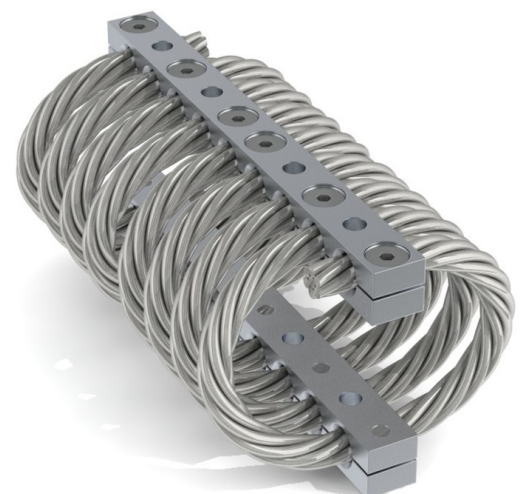
standard is 08 loops

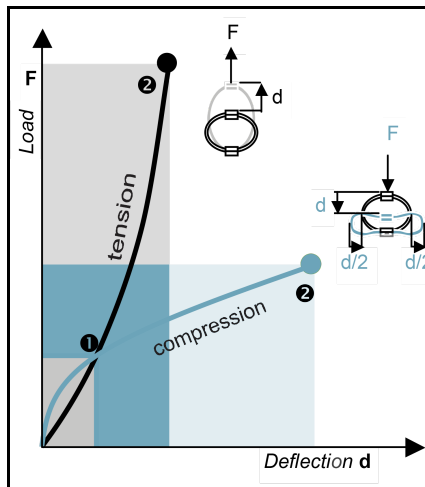
INTERFACE: CIM

4 through holes ø10,8mm

counter-sunk 90° in bar 1,

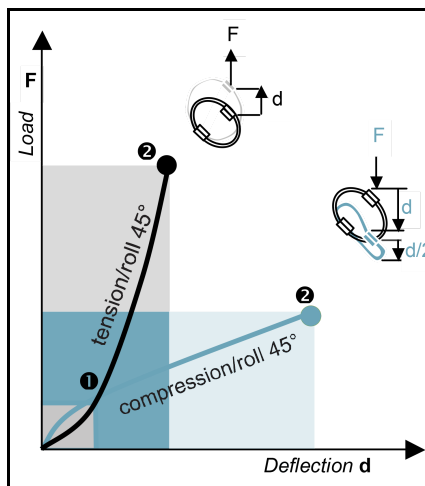
4 inserts M10 in bar 2





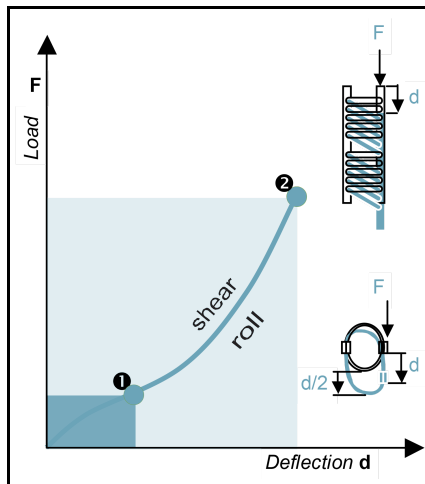
COMPRESSION AND TENSION

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



COMPRESSION/ROLL 45° - TENSION/ROLL 45°

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



SHEAR OR ROLL

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

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

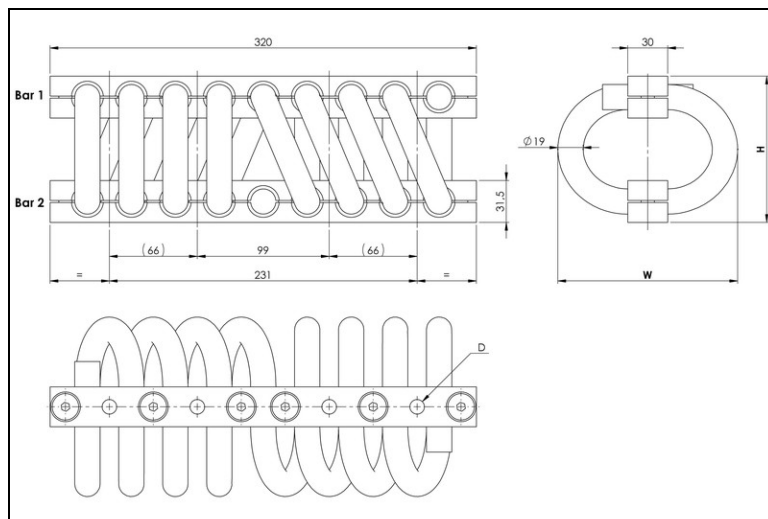
***IMPORTANT:** Performance characteristics are given here for reference only. They can be increased under specific conditions. Contact us

TYPICAL SHOCK/VIBRATION SPECIFICATIONS:

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

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 millimeters. 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		
	4 through holes ø10,5mm	4 through holes ø10,5mm counter-sunk 90°	4 inserts M10
Bar 2			
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
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SERIE: CB1600

'Helical' mount from the CB1600 series

MODEL: -15

height: 98mm

width: 115mm

weight: 4,3kg

loops: serie

standard is 08 loops

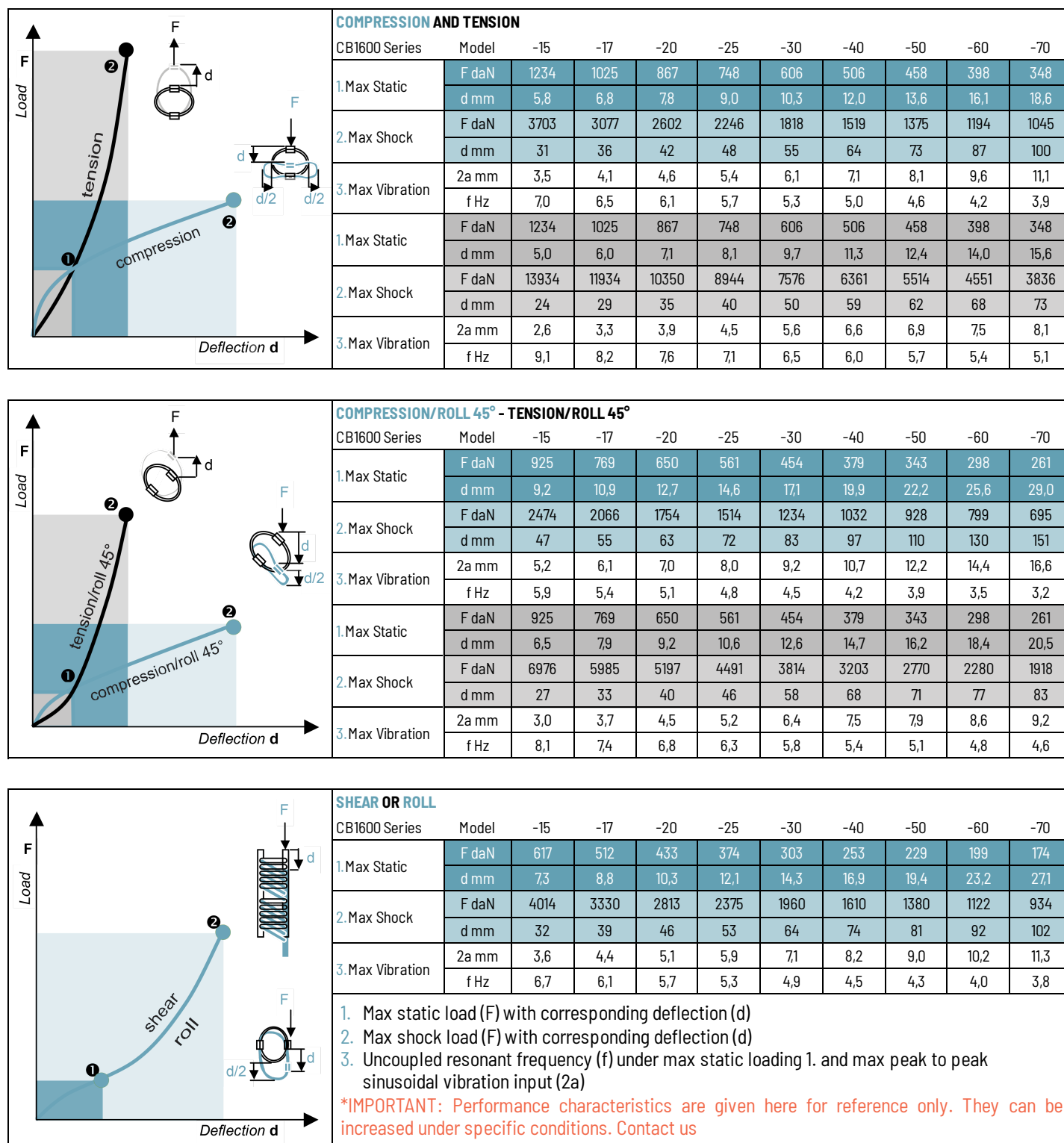
INTERFACE: CIM

4 through holes ø10,5mm

counter-sunk 90° in bar 1,

4 inserts M10 in bar 2



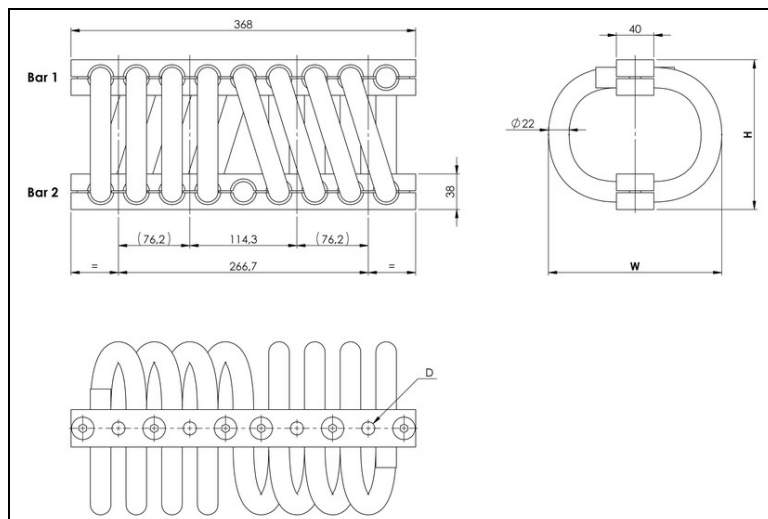


TYPICAL SHOCK/VIBRATION SPECIFICATIONS:

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 CB1700



- 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 millimeters. 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		
	4 through holes ø13,4mm	4 through holes ø13,4mm counter-sunk 90°	4 inserts M12
Bar 2			
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
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SERIE: CB1700

'Helical' mount from the CB1700 series

MODEL: -15

height: 133mm

width: 140mm

weight: 7,7kg

loops: serie

standard is 08 loops

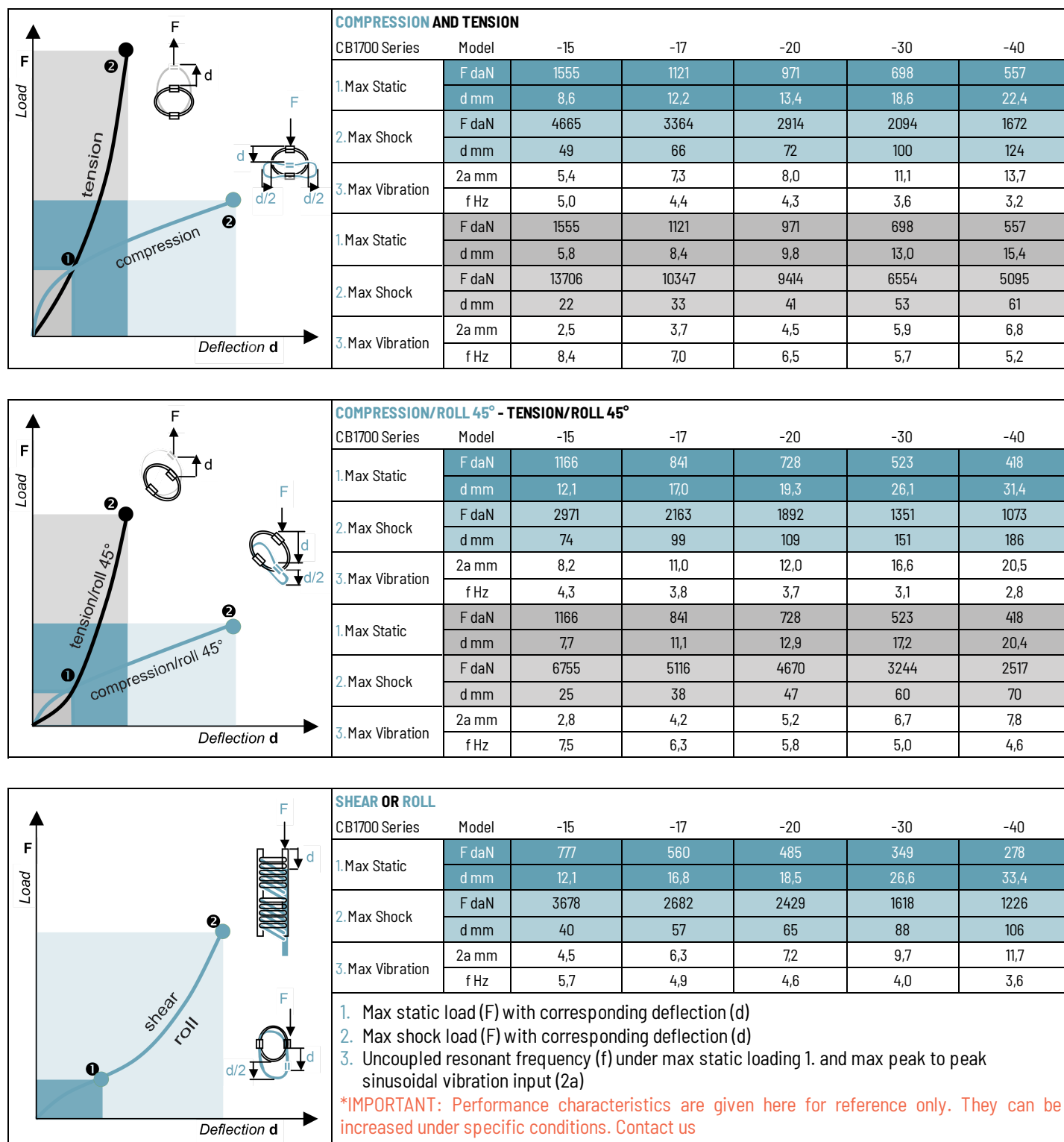
INTERFACE: CIM

4 through holes ø13,4mm

counter-sunk 90° in bar 1,

4 inserts M12 in bar 2



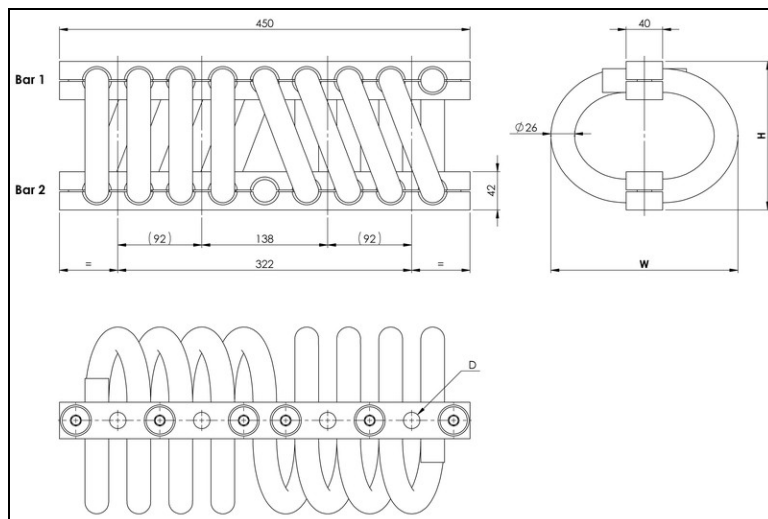


TYPICAL SHOCK/VIBRATION SPECIFICATIONS:

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 CB1800



- 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 millimeters. 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	Bar 1		
fixtures holes D	4 through holes ø17,5mm	4 through holes ø17,5mm counter-sunk 90°	4 inserts M16
Bar 2	no suffix	not standard	not standard
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
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SERIE: CB1800

'Helical' mount from the CB1800 series

MODEL: -12

height: 133mm

width: 172mm

weight: 11,7kg

loops: serie

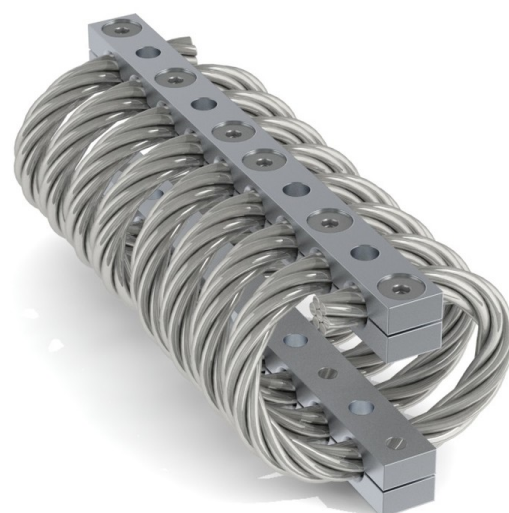
standard is 08 loops

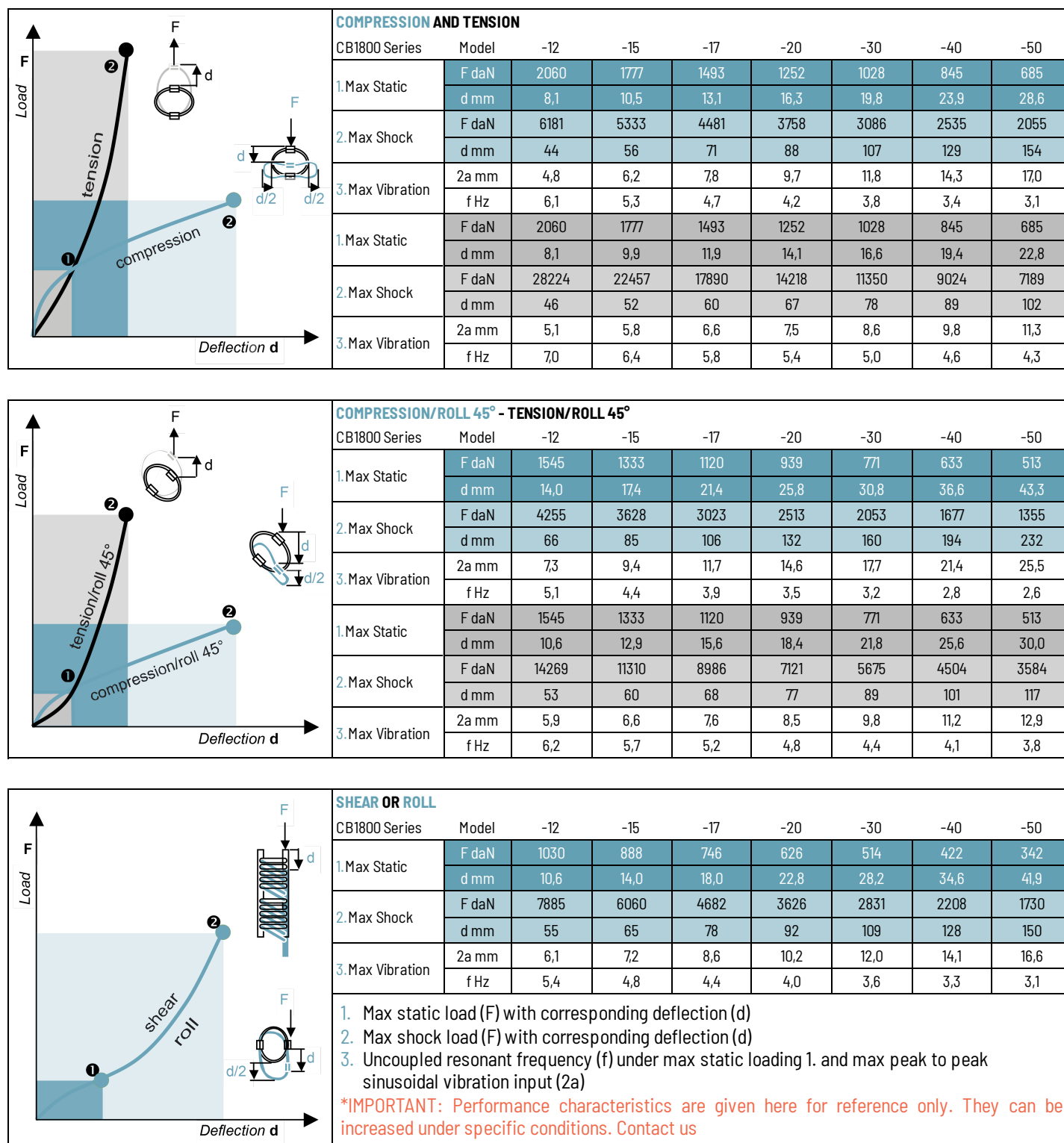
INTERFACE: CIM

4 through holes ø17,5mm

counter-sunk 90° in bar 1,

4 inserts M16 in bar 2



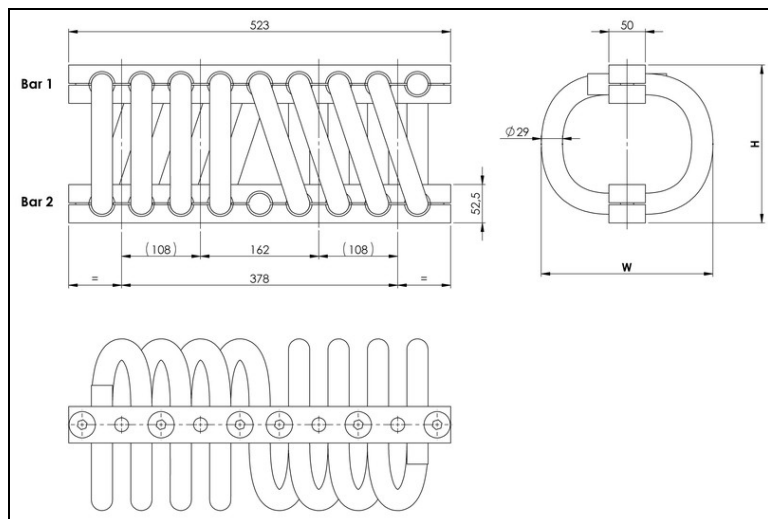


TYPICAL SHOCK/VIBRATION SPECIFICATIONS:

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 millimeters. 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		
	4 through holes ø19mm	4 through holes ø19mm counter-sunk 90°	4 inserts M18
Bar 2			
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
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SERIE: CB1900

'Helical' mount from the CB1900 series

MODEL: -10

height: 178mm

width: 216mm

weight: 20,0kg

loops: serie

standard is 08 loops

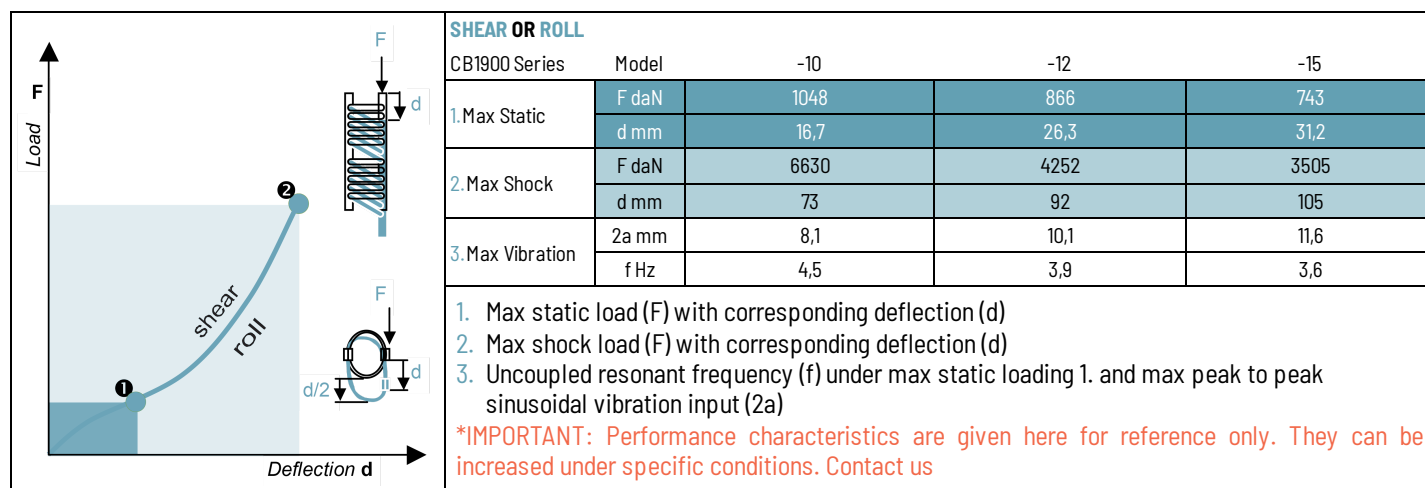
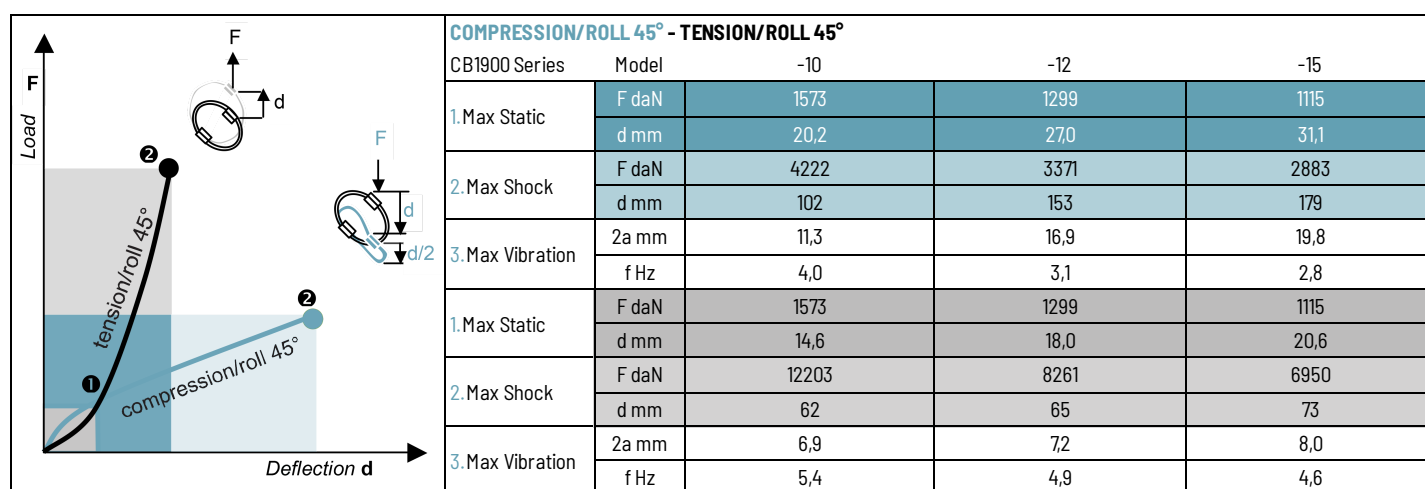
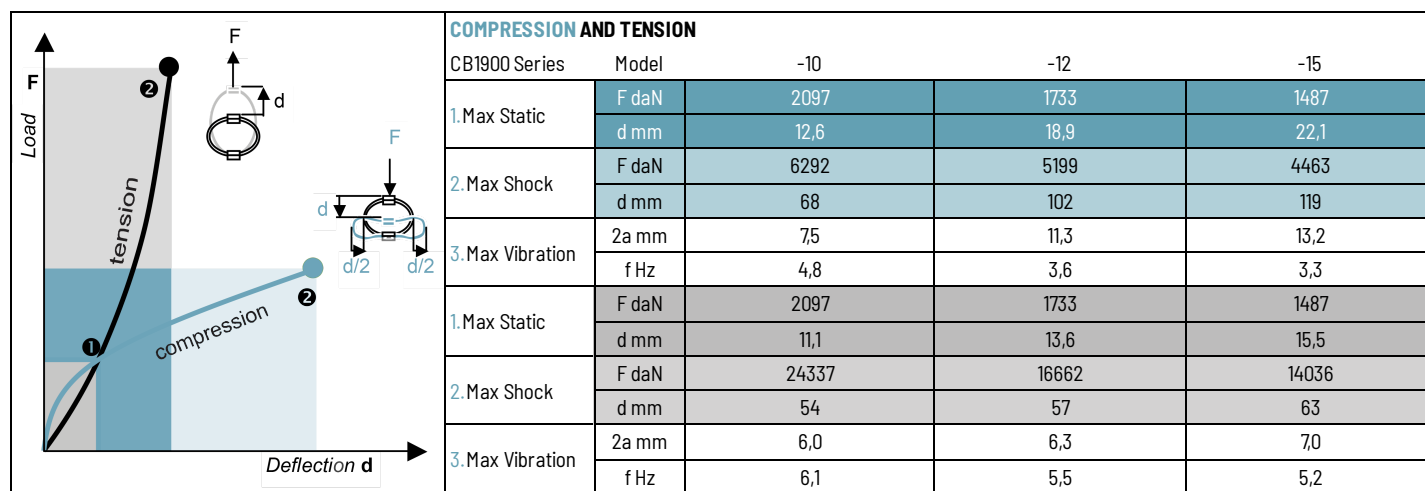
INTERFACE: CIM

4 through holes ø19mm

counter-sunk 90° in bar 1,

4 inserts M18 in bar 2



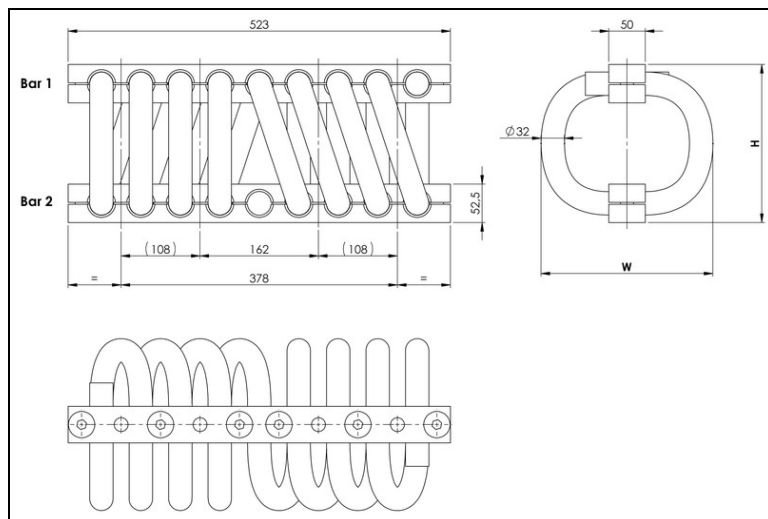


TYPICAL SHOCK/VIBRATION SPECIFICATIONS:

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 CB2000



- 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 millimeters. 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		
	4 through holes ø19mm	4 through holes ø19mm counter-sunk 90°	4 inserts M18
Bar 2			
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

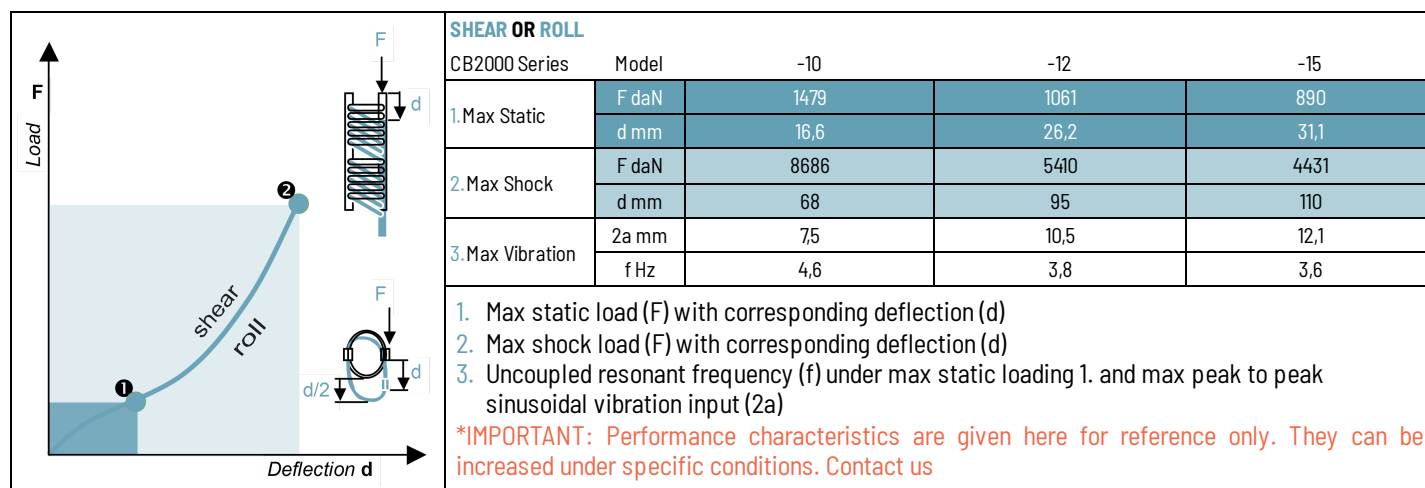
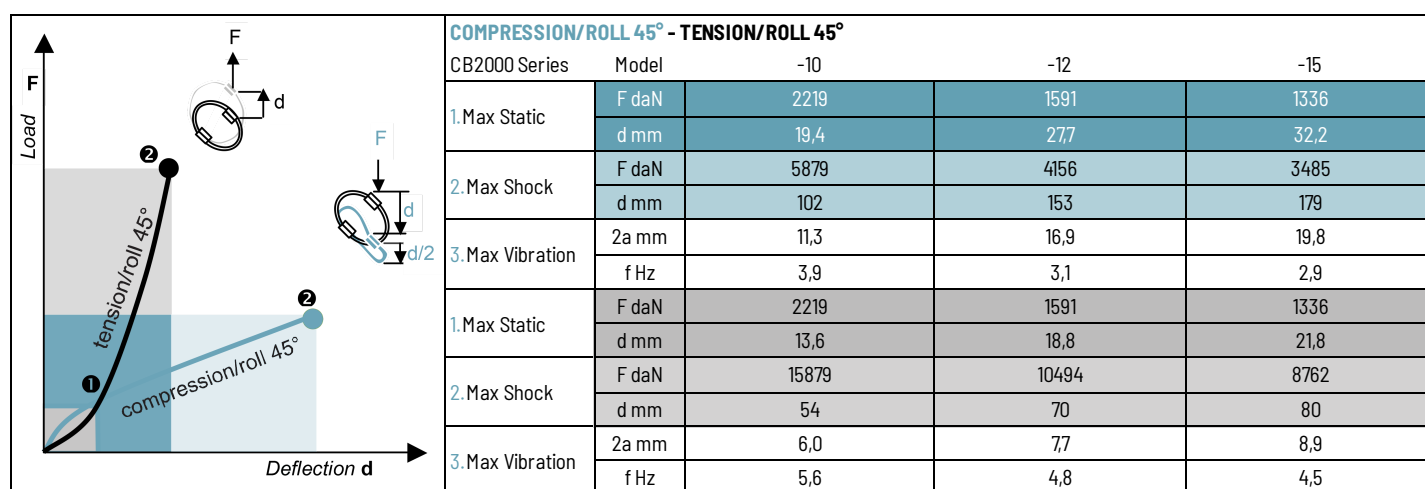
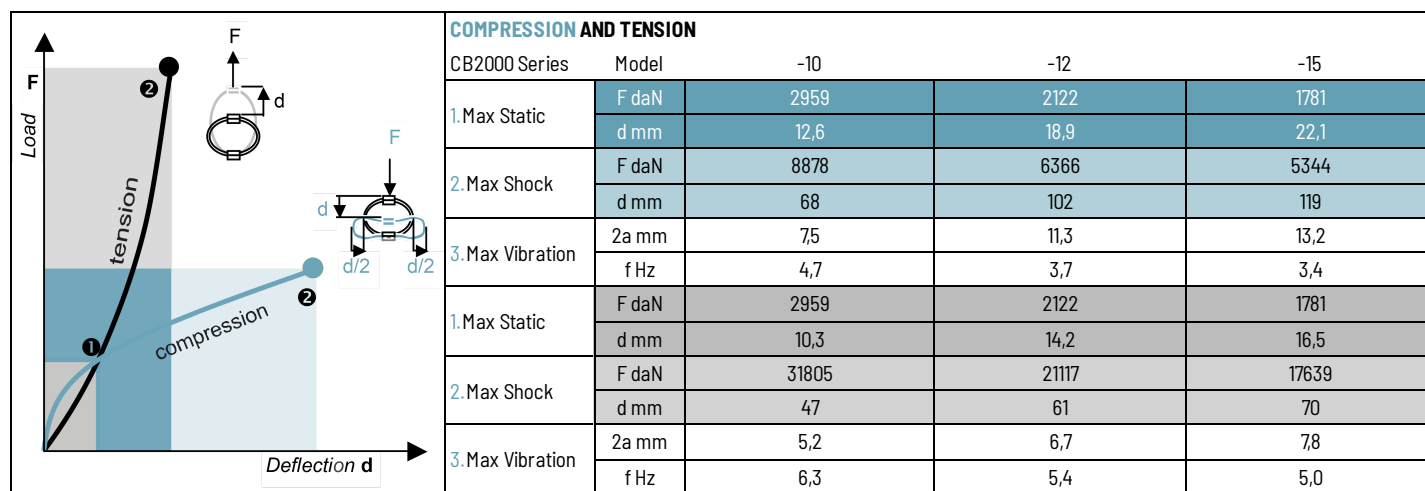
INTERFACE: CIM

4 through holes ø19mm

counter-sunk 90° in bar 1,

4 inserts M18 in bar 2



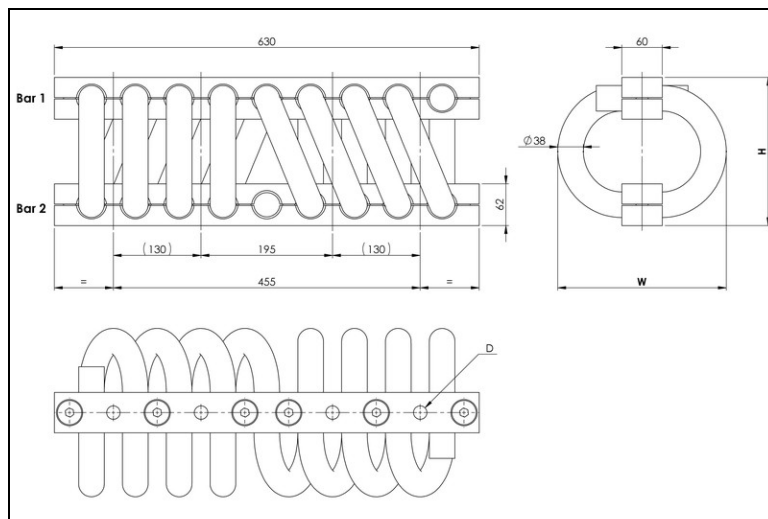


TYPICAL SHOCK/VIBRATION SPECIFICATIONS:

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 millimeters. 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		
	4 through holes ø21,5mm	4 through holes ø21,5mm counter-sunk 90°	4 inserts M20
Bar 2			
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
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SERIE: CB2100

'Helical' mount from the CB2100 series

MODEL: -10

height: 195mm

width: 250mm

weight: 36,0kg

loops: serie

standard is 08 loops

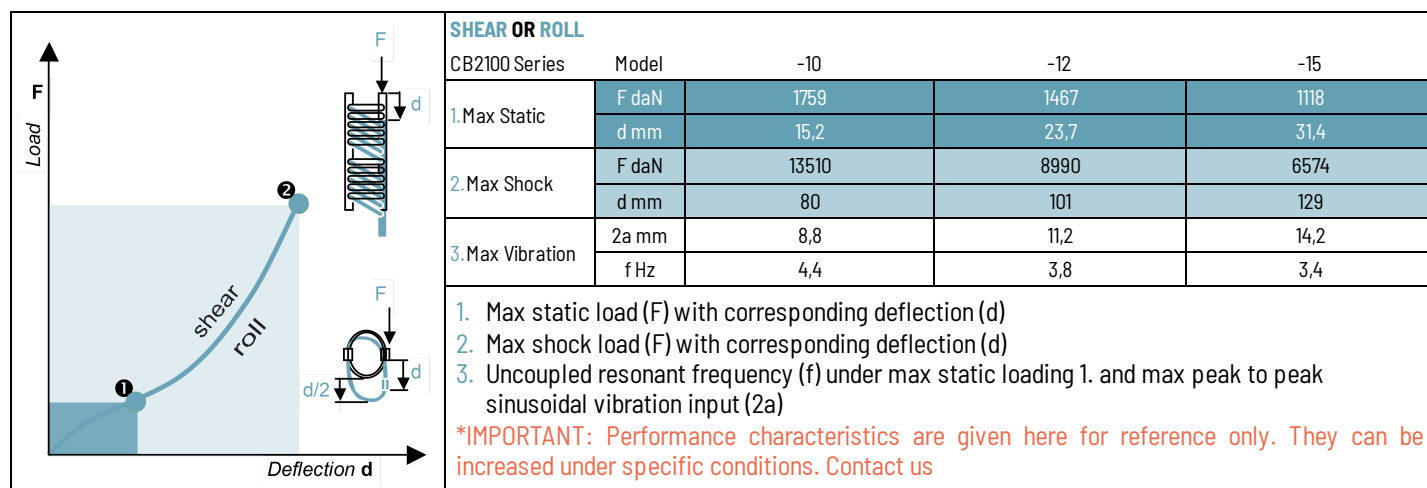
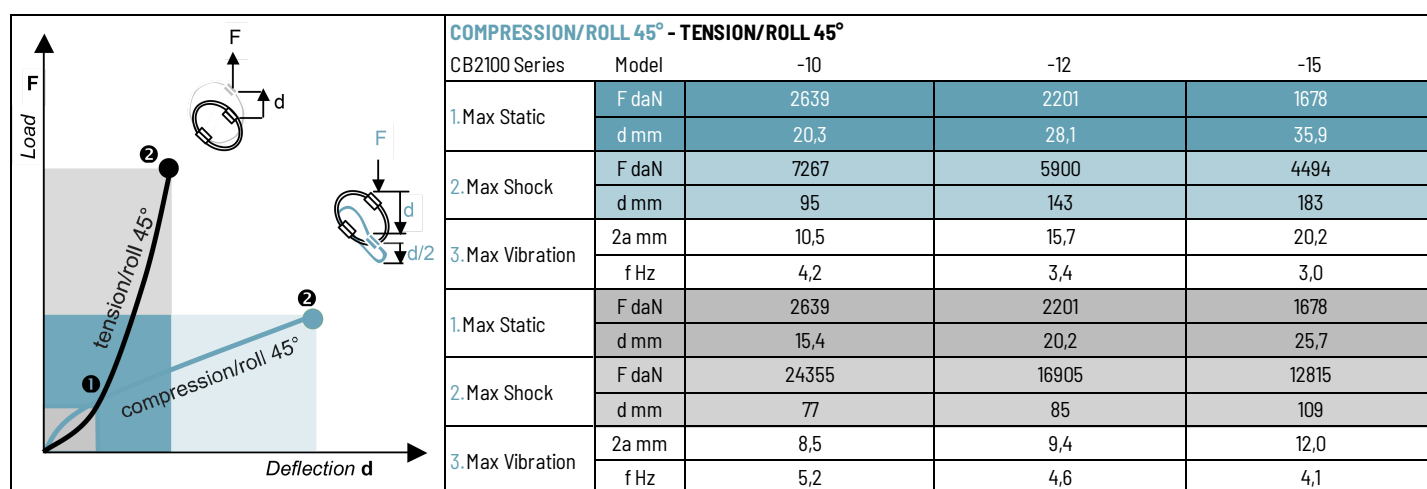
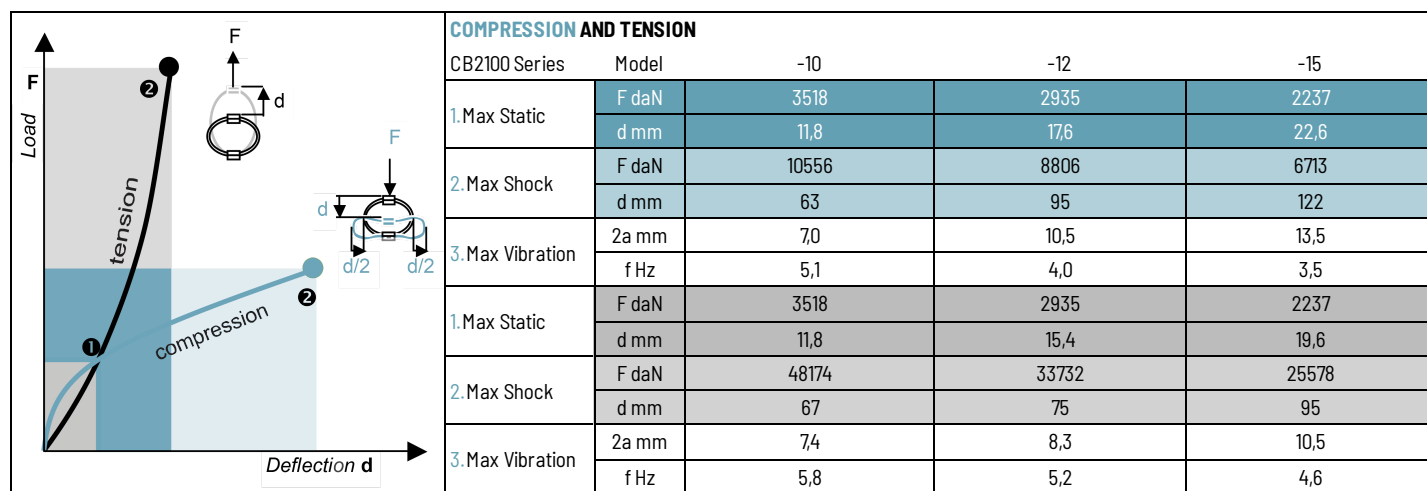
INTERFACE: CIM

4 through holes ø21,5mm

counter-sunk 90° in bar 1,

4 inserts M20 in bar 2



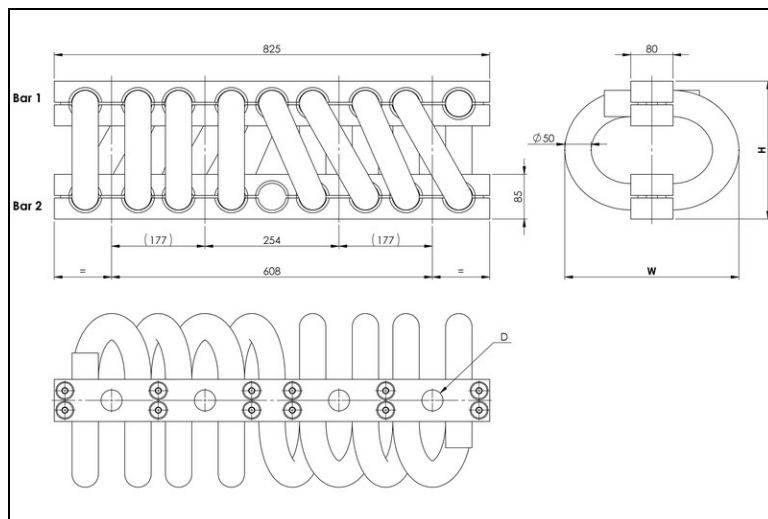


TYPICAL SHOCK/VIBRATION SPECIFICATIONS:

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

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

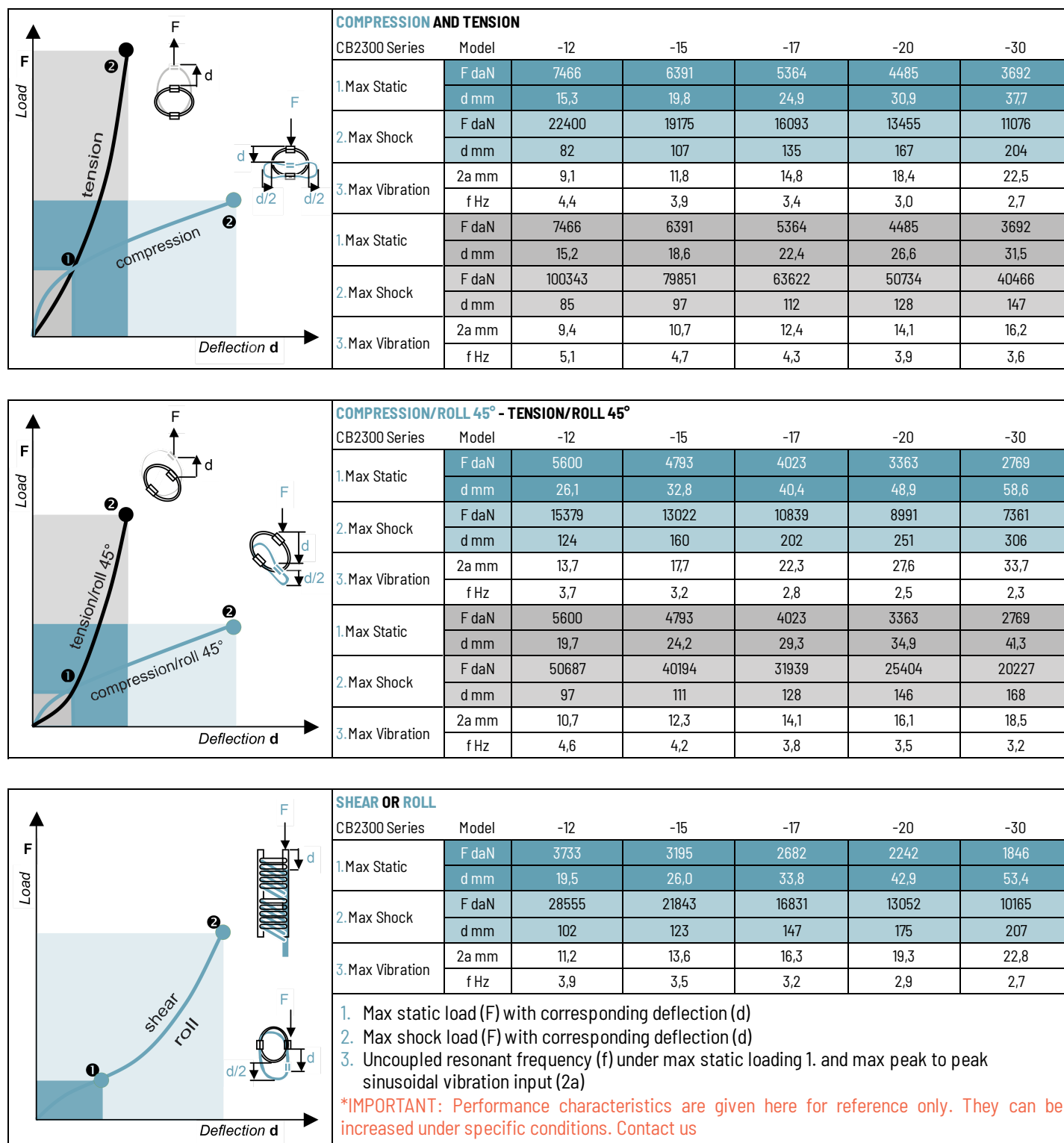
INTERFACE: CIM

4 through holes ø39mm

counter-sunk 60° in bar 1,

4 inserts M36 in bar 2





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

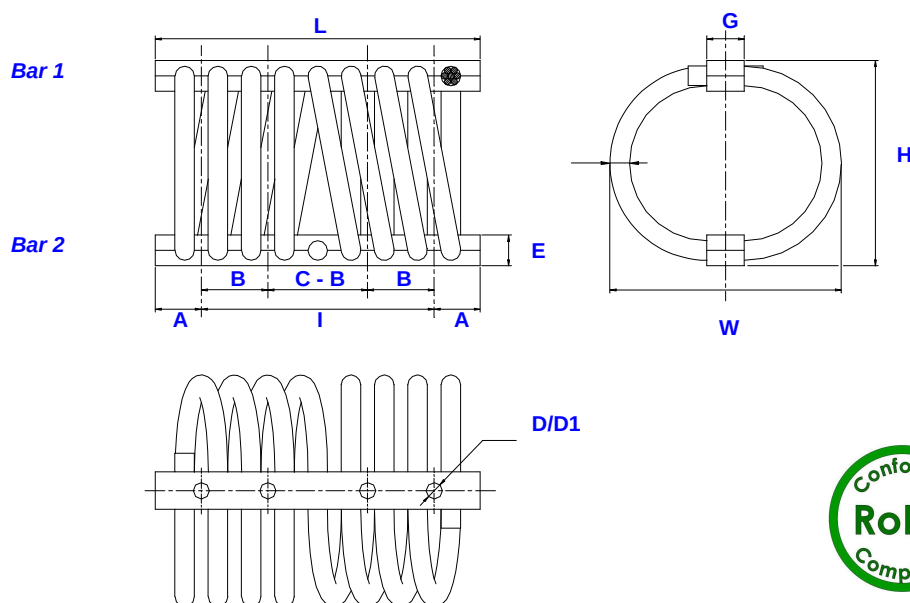
wire rope isolators

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

	H	W	L	A	B	C	I	E	G	D/D1	mass
Type	(mm)										(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

4 through holes
 $\varnothing$ D mm

4 through holes
 $\varnothing$ D mm
countersunk 90°

4 inserts M D1

Bar 1

4 through holes
 $\varnothing$ D mm

4 through holes
 $\varnothing$ D mm
countersunk 90°

4 inserts M D1

4 through holes
 $\varnothing$ D mm
countersunk 90°

4 inserts M D1

4 through holes
 $\varnothing$ D mm
countersunk 90°

4 through holes
 $\varnothing$ D mm
countersunk 90°

4 through holes
 $\varnothing$ D mm
countersunk 90°

4 through holes
 $\varnothing$ D mm
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4 through holes
 $\varnothing$ D mm
countersunk 90°

4 through holes
 $\varnothing$ D mm
countersunk 90°

4 through holes
 $\varnothing$ D mm
countersunk 90°

4 through holes
 $\varnothing$ D mm
countersunk 90°

4 through holes
 $\varnothing$ D mm
countersunk 90°

Example :
Z1478-08CM2

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 $\varnothing$ D mm
countersunk 90°
in bars 1 and 2.

01/07/2013

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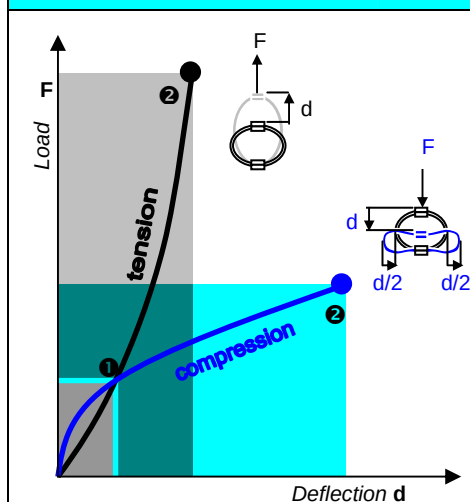


series

wire rope isolators

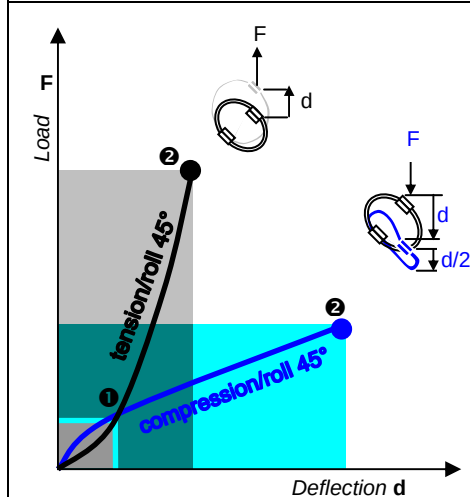
Z line "Helical" for large deflections

performances*



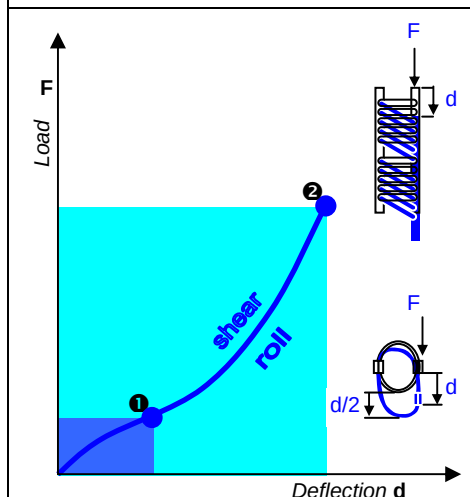
Compression and Tension

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
①	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
②	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
③	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
①	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
②	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
③	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
①	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
②	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
③	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
①	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
②	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
③	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
①	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
②	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
③	f Hz	3,9	3,9	3,9	3,9	4,0	4,1	4,3	4,1	4,3

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

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

01/07/2013

Typical shock/vibration specifications :

Ground Forces	GAM EG13A, SEFT 001, MIL-STD-810, VG 95332.
Air	AIR 7306, MIL-E-5400, MIL-C-172, MIL-STD-810.
Marine	GAM EG13C, IT25-21/96-31/15-86, MIL-S-167, MIL-S-901, STANAG 042, BV 043.73, BV 044.
Others	GAM EMB1, GAM EMBT4, DEF STAN 07-55, IEC 571, FINABEL 2C.

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