

## WIRE ROPE MOUNT SILENTFLEX<sup>®</sup>



Axial natural frequency	5 to 15 Hz
Shear natural frequency	3-12 Hz

### DESCRIPTION

The helical cable isolators Silentflex<sup>®</sup> are completely made in metal: manufactured with a stainless steel cable\* wrapped around two strips that are made of light alloy\*\*

### CHARACTERISTICS

Main characteristics:

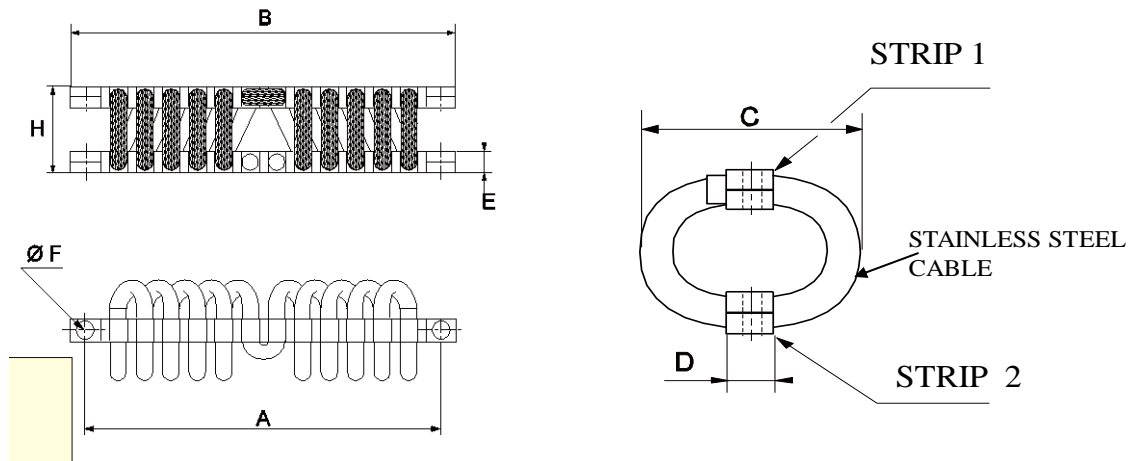
- Natural frequency of our wire rope isolators Silentflex<sup>®</sup> is comprised between 5 and 15 Hz
- The internal damping of cable mounts reaches 40%
- Thanks to a large deflection in three axis (X,Y,Z), our cable isolator Silentflex<sup>®</sup> can absorb accelerations properly, impacts or shock suffered by falls
- Maintenance free
- Long life & exceptional reliability
- The wire rope isolators Silentflex<sup>®</sup> have a well performance as mechanical vibration isolator.
- Combines the best features of other isolation devices into an excellent cost effective product.
- This product was originally designed for military applications, however it has become well-known and popular in a wide range of industrial applications and commercial markets: consoles and any material conveyed fragile, racks, shelter, computers, cranes, etc.

\* On request may also be made of galvanized steel. Standard cable in stainless steel.

\*\* On request can be made of stainless steel or other material. Standard strip light alloy.

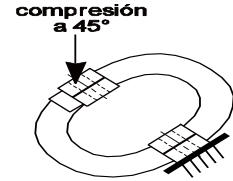
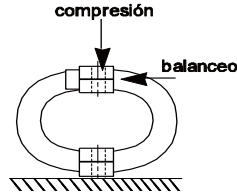
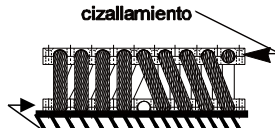
## SIZES & DIMENSIONS

### SIZES & DIMENSIONS



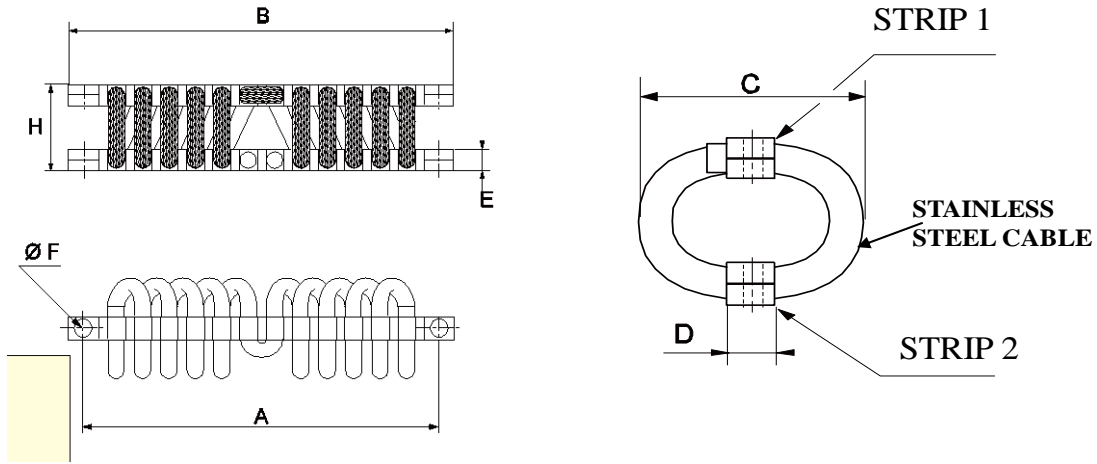
Reference	A mm	B mm	C mm	D mm	E mm	Ø F mm		H mm
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954044-01	68	82	25	10	4	4,8	M4	18
954044-02	68	82	34	10	4	4,8	M4	26
954044-03	68	82	28	10	4	4,8	M4	20
954044-04	68	82	34	10	4	4,8	M4	28
954044-05	68	82	35	10	4	4,8	M4	30
954044-06	68	82	38	10	4	4,8	M4	33

**PERFORMANCE**

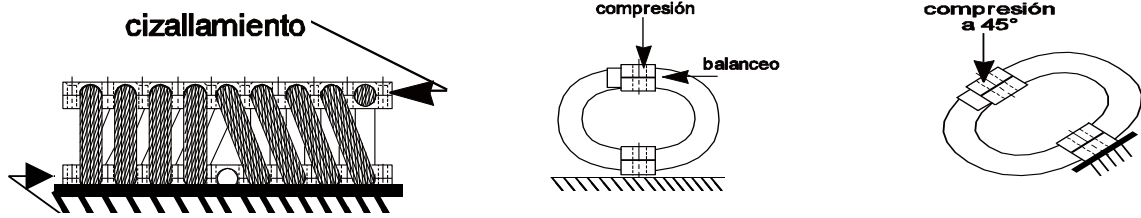


Reference	Working position	Max. static load Kg	Static Deflection mm	Max. dynamic load Kg	Dynamic Deflection mm
954044-01	Compression	5	2,5	11	7,5
	45° Compression	3,5	2,5	6	9
	Shear Stress	3	2,5	16	7
954044-02	Compression	2,5	3	5	15
	45° Compression	2	5	3	18
	Shear Stress	1	5	5	15
954044-03	Compression	4	2,5	9	7,5
	45° Compression	3	2,5	5	10
	Shear Stress	2,5	2,5	7	12
954044-04	Compression	2	3	4,5	15
	45° Compression	1,8	5	2,8	18
	Shear Stress	0,9	5	5	18
954044-05	Compression	1,8	3,5	4	15
	45° Compression	1,5	5	2,6	17
	Shear Stress	0,7	5	4	16
954044-06	Compression	1,5	5	4	17
	45° Compression	1,4	7	2,5	20
	Shear Stress	1	7	3	18

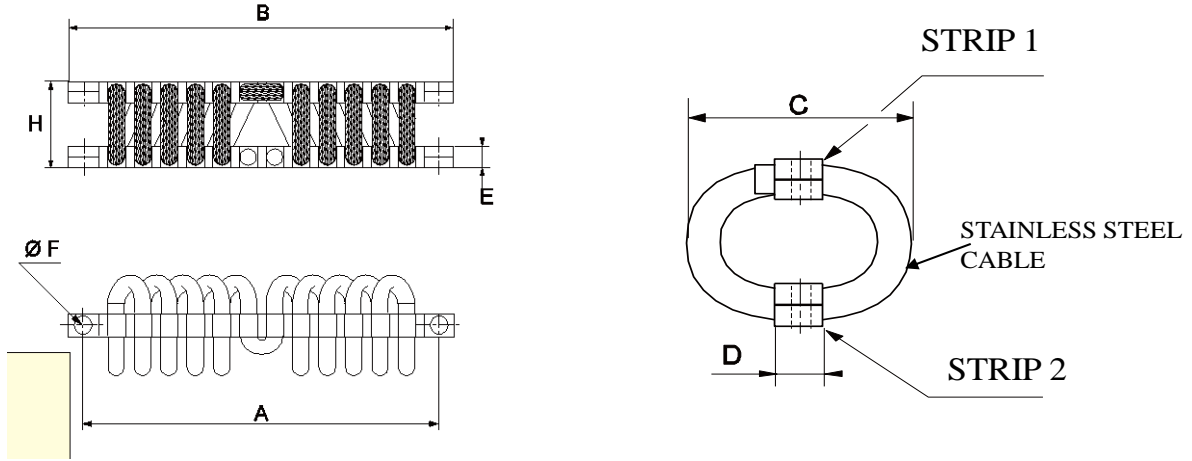
**SIZES & DIMENSIONS**



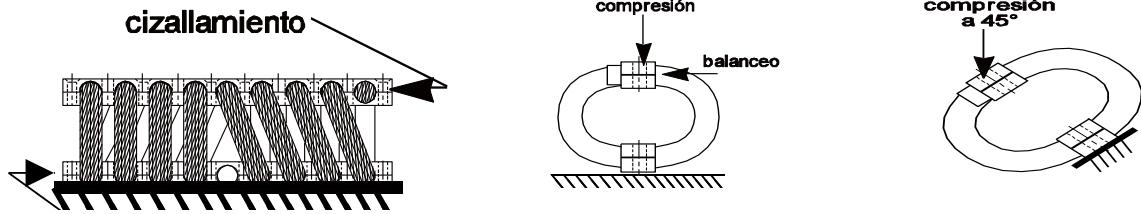
Reference	A mm	B mm	C mm	D mm	E mm	Ø F mm		H mm
						liso	rosca	
954045-01	100	112	29	12,5	6	5,8	M5	21
954045-02	100	112	39	12,5	6	5,8	M5	31
954045-03	100	112	42	12,5	6	5,8	M5	35
954045-04	100	112	30	12,5	6	5,8	M5	25
954045-05	100	112	33	12,5	6	5,8	M5	28
954045-06	100	112	43	12,5	6	5,8	M5	38

**PERFORMANCE**


Reference	Working position	Max. static load Kg	Static Deflection mm	Max. dynamic load Kg	Dynamic Deflection mm
954045-01	Compression	10	1,5	35	8
	45° Compression	10	2,5	20	10
	Shear Stress	7,5	2,5	30	7
954045-02	Compression	5	2	20	17
	45° Compression	5	5	12	20
	Shear Stress	2,5	3	15	12
954045-03	Compression	5	3	18	20
	45° Compression	4	5	9	25
	Shear Stress	3	5	15	14
954045-04	Compression	10	2	30	10
	45° Compression	8,5	3	20	12
	Shear Stress	8	3	30	10
954045-05	Compression	10	2,5	30	12
	45° Compression	7	3,5	20	15
	Shear Stress	5	3	30	12
954045-06	Compression	6	4	16	20
	45° Compression	4	6	8	25
	Shear Stress	3	6	12	15

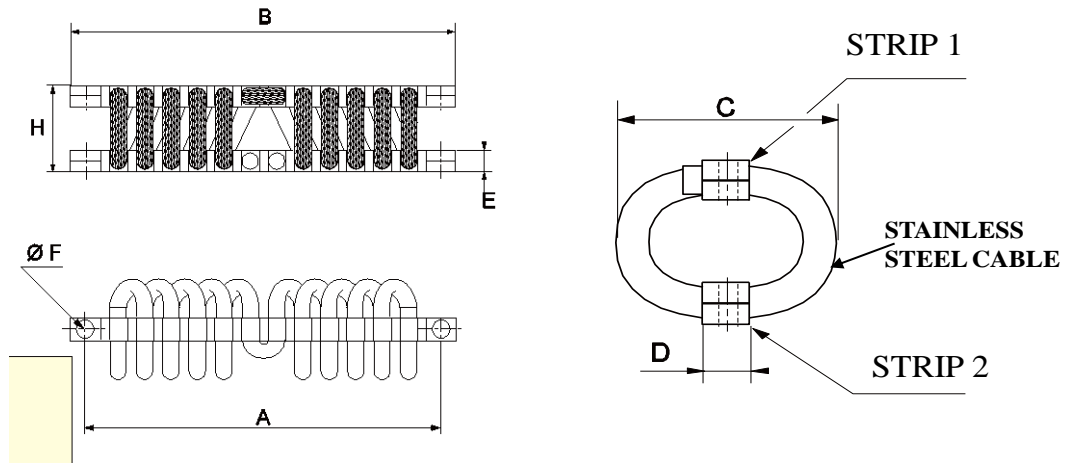
**SIZES & DIMENSIONS**


Reference	A mm	B mm	C mm	D mm	E mm	Ø F mm		H mm
						liso	rosca	
954046-01	114	127	37	14	8	6,5	M6	28
954046-02	114	127	39	14	8	6,5	M6	30
954046-03	114	127	40	14	8	6,5	M6	33
954046-04	114	127	44	14	8	6,5	M6	36
954046-05	114	127	47	14	8	6,5	M6	38
954046-06	114	127	49	14	8	6,5	M6	41
954046-07	114	127	52	14	8	6,5	M6	44

**PERFORMANCE**


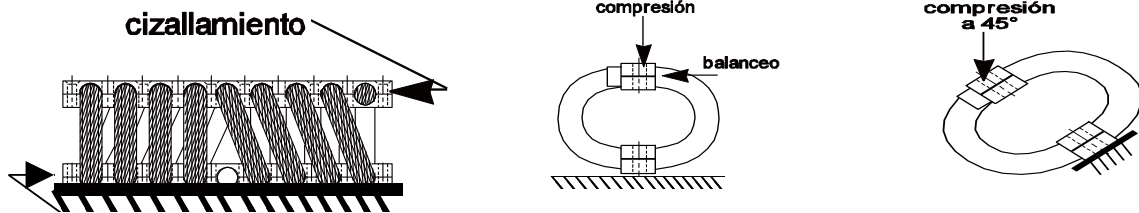
Reference	Working position	Max. static load Kg	Static Deflection mm	Max. dynamic load Kg	Dynamic Deflection mm
954046-01	Compression	20	1,6	70	9
	45° Compression	18	2	50	12
	Shear Stress	10	4	60	10
954046-02	Compression	20	2	65	12
	45° Compression	15	3	45	18
	Shear Stress	10	4,5	60	12
954046-03	Compression	20	3	50	14
	45° Compression	14	4	40	20
	Shear Stress	10	5	50	15
954046-04	Compression	15	2	40	19
	45° Compression	10	4	30	20
	Shear Stress	8	4	50	18
954046-05	Compression	15	4	35	20
	45° Compression	10	5	30	25
	Shear Stress	7	6	45	20
954046-06	Compression	12	4	30	24
	45° Compression	10	6	30	30
	Shear Stress	7	7	40	20
954046-07	Compression	13,6	4,5	41	24
	45° Compression	9,6	6,3	29	34
	Shear Stress	6,4	7,7	41	26

**SIZES & DIMENSIONS**

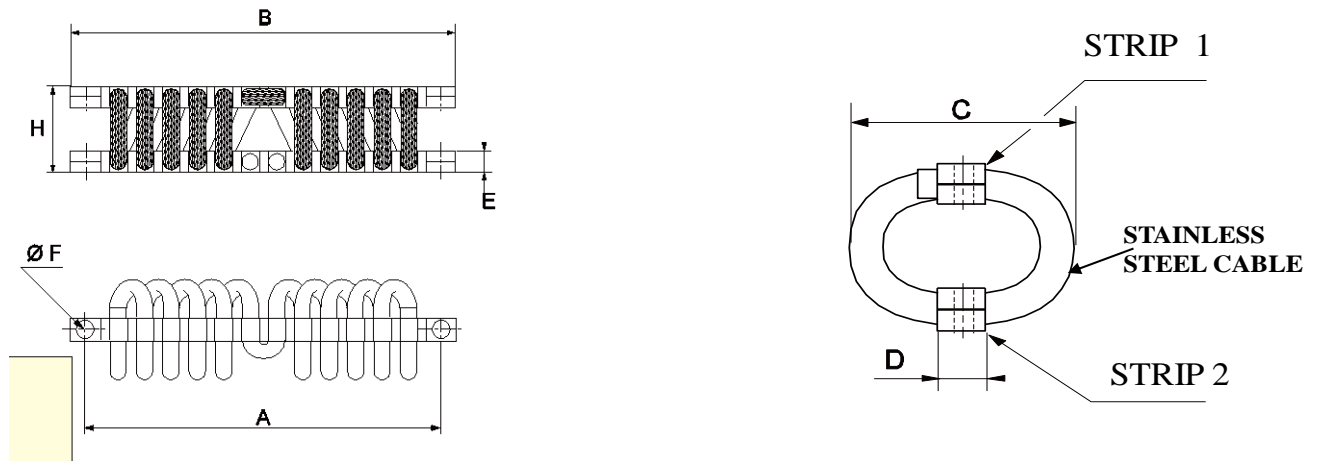


Reference	A mm	B mm	C mm	D mm	E mm	Ø F mm		H mm
						liso	rosca	
954047-01	114	127	37	14	8	6,5	M6	28
954047-02	114	127	40	14	8	6,5	M6	33
954047-03	114	127	44	14	8	6,5	M6	38
954047-04	114	127	53	14	8	6,5	M6	45
954047-05	114	127	50	14	8	6,5	M6	42
954047-06	114	127	43	14	8	6,5	M6	34
954047-07	114	127	45	14	8	6,5	M6	37
954047-08	114	127	48	14	8	6,5	M6	39
954047-09	114	127	61	14	8	6,5	M6	51

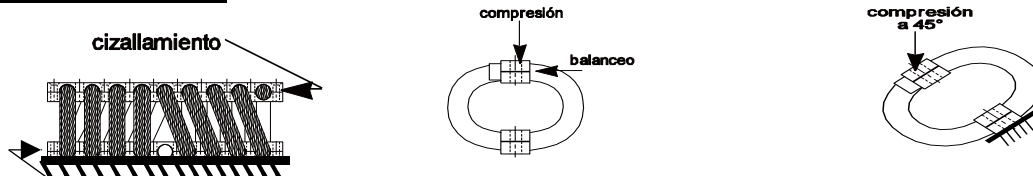


**PERFORMANCE**


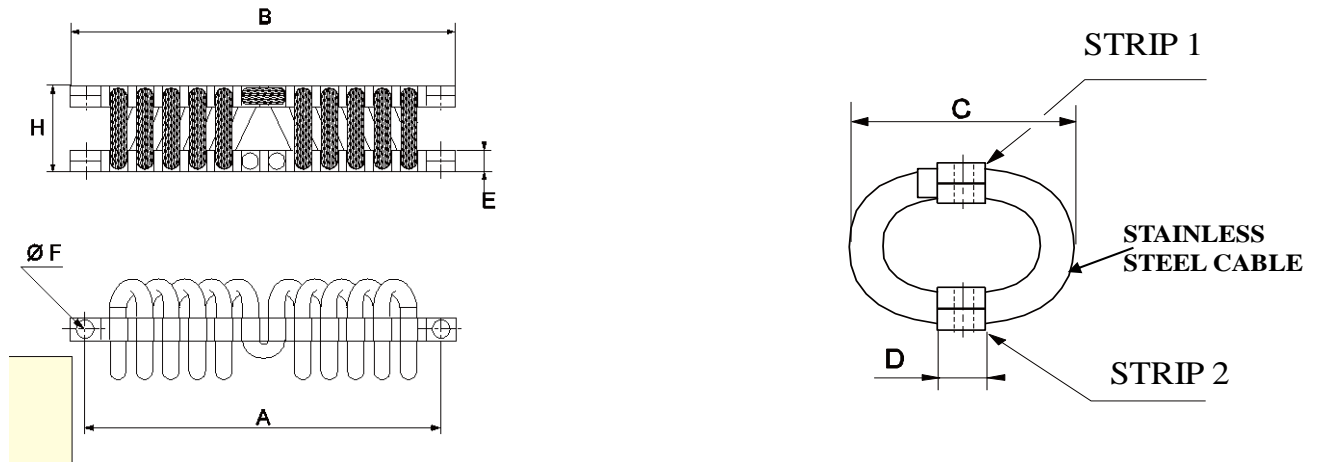
Reference	Working position	Max. static load Kg	Static Deflection mm	Max. dynamic load Kg	Dynamic Deflection mm
954047-01	Compression	20	1,5	75	8
	45° Compression	20	2	50	11
	Shear Stress	10	3,5	60	8
954047-02	Compression	20	2,5	50	12
	45° Compression	15	3,5	40	28
	Shear Stress	10	4,5	50	14
954047-03	Compression	15	2	40	20
	45° Compression	10	2,5	30	25
	Shear Stress	7,5	3	60	16
954047-04	Compression	24,7	4,6	74	25
	45° Compression	17,5	6,6	52	36
	Shear Stress	11,7	8	74	26
954047-05	Compression	24,7	4,2	82	23
	45° Compression	19,4	5,9	58	32
	Shear Stress	13	7,1	82	24
954047-06	Compression	36	2,8	108	15
	45° Compression	25,4	4	76	22
	Shear Stress	17	4,8	108	16
954047-07	Compression	33,1	3,3	99	18
	45° Compression	23,4	4,7	70	25
	Shear Stress	15,6	5,7	99	19
954047-08	Compression	29,6	3,7	89	20
	45° Compression	20,9	5,2	63	28
	Shear Stress	14	6,3	89	21
954047-09	Compression	20,9	5,8	62,8	32
	45° Compression	15,7	9,9	37,4	48
	Shear Stress	10,5	11,2	49,1	29

**SIZES & DIMENSIONS**


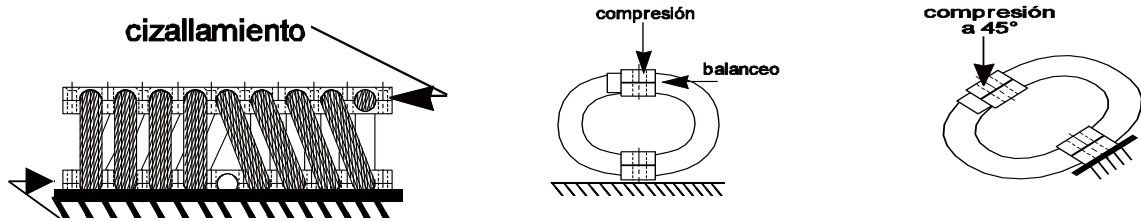
Reference	A mm	B mm	C mm	D mm	E mm	Ø F mm		H mm
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954048-01	114	127	47	15	11	6,5	M6	38
954048-02	114	127	50	15	11	6,5	M6	43
954048-03	114	127	95	15	11	6,5	M6	87
954048-04	114	127	55	15	11	6,5	M6	43
954048-05	114	127	37	15	11	6,5	M6	31
954048-06	114	127	39	15	11	6,5	M6	34
954048-07	114	127	58	15	11	6,5	M6	51
954048-08	114	127	53	15	11	6,5	M6	45
954048-09	114	127	63	15	11	6,5	M6	52
954048-10	114	127	80	15	11	6,5	M6	57
954048-11	114	127	106	15	11	6,5	M6	82
954048-12	114	127	74	15	11	6,5	M6	55
954048-13	114	127	44	15	11	6,5	M6	39

**PERFORMANCE**


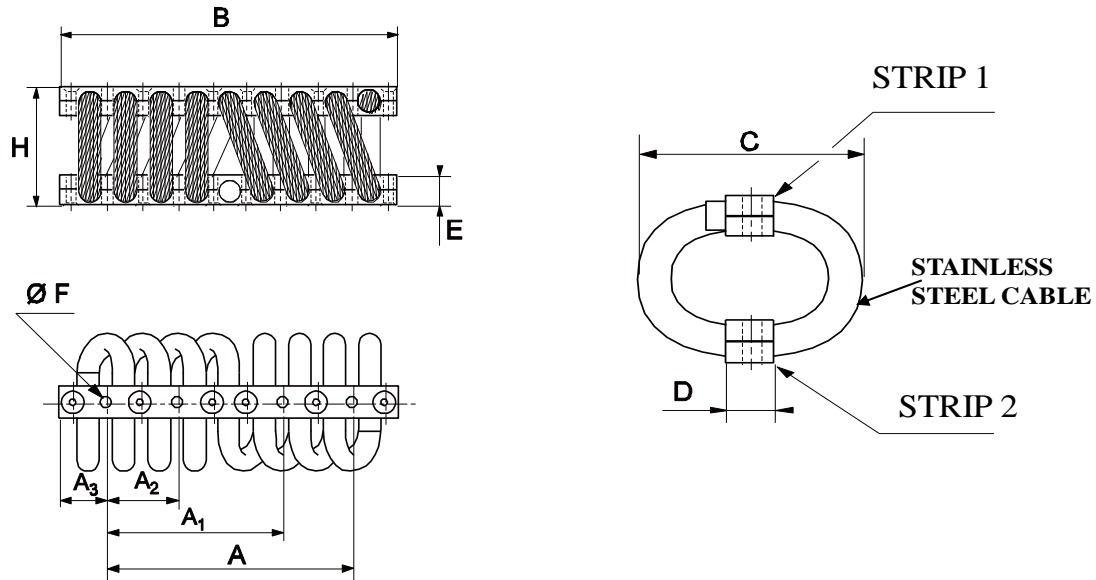
Reference	Working position	Max. static load Kg	Static Deflection mm	Max. dynamic load Kg	Dynamic Deflection mm
954048-01	Compression	60	2	220	15
	45° Compression	50	2,5	130	20
	Shear Stress	30	2	140	10
954048-02	Compression	50	2	180	18
	45° Compression	30	3	100	25
	Shear Stress	20	3	100	15
954048-03	Compression	15	6	55	55
	45° Compression	12	10	30	70
	Shear Stress	5	3	30	40
954048-04	Compression	40	2	170	20
	45° Compression	30	3	100	28
	Shear Stress	20	3	100	15
954048-05	Compression	80	1,5	260	9
	45° Compression	60	2,5	180	12
	Shear Stress	40	3	250	10
954048-06	Compression	80	2,5	240	11
	45° Compression	50	3	160	15
	Shear Stress	40	4	230	14
954048-07	Compression	42,2	5	127	27
	45° Compression	29,8	7	90	38
	Shear Stress	20	8,5	127	28
954048-08	Compression	23	4	76	25
	45° Compression	18	7	50	35
	Shear Stress	10	7	75	26
954048-09	Compression	40,4	5,3	121	29
	45° Compression	28,6	7,5	86	41
	Shear Stress	19,1	9,1	121	30
954048-10	Compression	28,2	6	85	32
	45° Compression	19,9	8,5	60	46
	Shear Stress	13,3	10,2	85	34
954048-11	Compression	18,2	10,1	55	55
	45° Compression	12,9	14,3	39	78
	Shear Stress	8,6	17,3	55	58
954048-12	Compression	31,7	5,6	95	31
	45° Compression	22,4	8	67	43
	Shear Stress	15	9,7	95	32
954048-13	Compression	67,1	3	201	16
	45° Compression	47,4	4,2	142	23
	Shear Stress	31,7	5,1	201	17

**SIZES & DIMENSIONS**


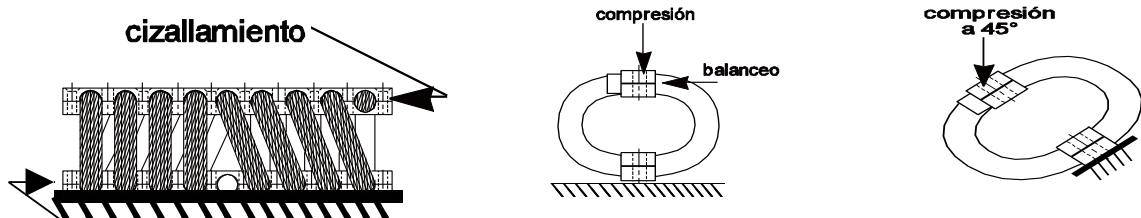
Reference	A mm	B mm	C mm	D mm	E mm	Ø F mm		H mm
						liso	rosca	
954049-01	131	146	57	16	13	7	M6	48
954049-02	131	146	64	16	13	7	M6	54
954049-03	131	146	71	16	13	7	M6	60
954049-04	131	146	80	16	13	7	M6	64
954049-05	131	146	102	16	13	7	M6	80
954049-06	131	146	102	16	13	7	M6	90
954049-07	131	146	109	16	13	7	M6	82
954049-08	131	146	101	16	13	7	M6	67
954049-09	131	146	96	16	13	7	M6	67
954049-10	131	146	90	16	13	7	M6	63

**PERFORMANCE**


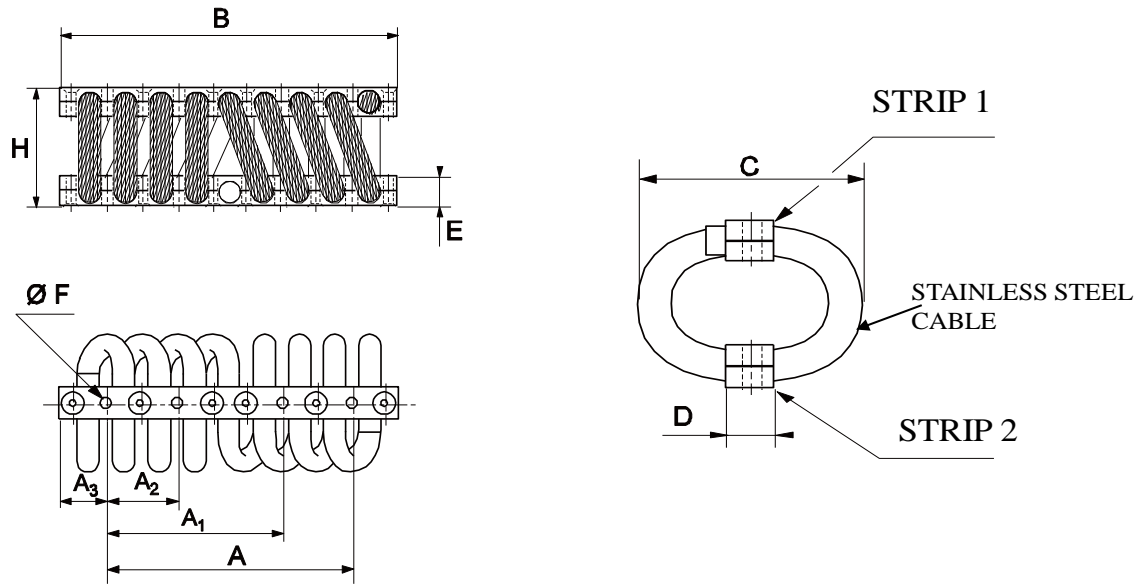
Reference	Working position	Max. static load Kg	Static Deflection mm	Max. dynamic load Kg	Dynamic Deflection mm
954049-01	Compression	75	4	275	20
	45° Compression	50	5	175	25
	Shear Stress	25	3	200	16
954049-02	Compression	75	5	275	26
	45° Compression	50	6	150	35
	Shear Stress	25	4	150	20
954049-03	Compression	50	4	200	28
	45° Compression	35	5	120	35
	Shear Stress	20	4	100	22
954049-04	Compression	40	4	175	36
	45° Compression	30	5	100	50
	Shear Stress	15	5	75	25
954049-05	Compression	25	5	100	45
	45° Compression	15	5	60	55
	Shear Stress	12	5	40	28
954049-06	Compression	25	6	100	50
	45° Compression	14	6	60	65
	Shear Stress	10	7	40	32
954049-07	Compression	21,2	8,8	64	48
	45° Compression	15	12,4	45	67
	Shear Stress	10	15,1	64	50
954049-08	Compression	23,5	6,3	71	34
	45° Compression	16,6	8,9	50	48
	Shear Stress	11,1	10,8	71	36
954049-09	Compression	40,6	6,7	122	36
	45° Compression	28,7	9,5	86	51
	Shear Stress	19,2	11,5	122	38
954049-10	Compression	27,9	5,6	84	31
	45° Compression	19,7	8	59	43
	Shear Stress	13,2	9,7	84	32

**SIZES & DIMENSIONS**


Reference	A mm	A <sup>1</sup> mm	A <sup>2</sup> mm	A <sup>3</sup> mm	B mm	C mm	D mm	E mm	Ø F mm		H mm
									liso	rosca	
954050-01	156	111	44,5	30	216	84	25	16	9	M8	70
954050-02	156	111	44,5	30	216	90	25	16	9	M8	74
954050-03	156	111	44,5	30	216	108	25	16	9	M8	89
954050-04	156	111	44,5	30	216	135	25	16	9	M8	110
954050-05	156	111	44,5	30	216	80	25	16	9	M8	68
954050-06	156	111	44,5	30	216	104	25	16	9	M8	77
954050-07	156	111	44,5	30	216	121	25	16	9	M8	105
954050-08	156	111	44,5	30	216	143	25	16	9	M8	124
954050-09	156	111	44,5	30	216	140	25	16	9	M8	108
954050-10	156	111	44,5	30	216	188	25	16	9	M8	138
954050-11	156	111	44,5	30	216	153	25	16	9	M8	134

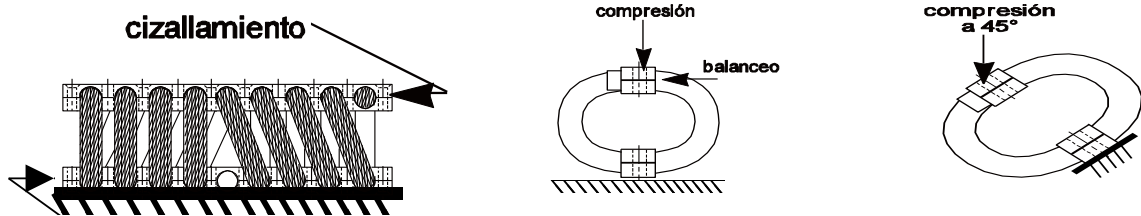
**PERFORMANCE**


Reference	Working position	Max. static load Kg	Static Deflection mm	Max. dynamic load Kg	Dynamic Deflection mm
954050-01	Compression	100	3	500	32
	45° Compression	100	5	400	45
	Shear Stress	50	5	350	27
954050-02	Compression	75	3	500	35
	45° Compression	75	5	275	45
	Shear Stress	30	5	375	32
954050-03	Compression	50	3	425	45
	45° Compression	50	5	190	50
	Shear Stress	30	5	350	35
954050-04	Compression	50	7	200	60
	45° Compression	35	10	100	75
	Shear Stress	25	10	100	40
954050-05	Compression	100	2,5	500	30
	45° Compression	100	7	400	40
	Shear Stress	50	6	350	25
954050-06	Compression	100	5	300	40
	45° Compression	75	10	250	50
	Shear Stress	50	5	300	40
954050-07	Compression	84,8	12	254	65
	45° Compression	60	16,9	180	92
	Shear Stress	40,1	20,5	254	68
954050-08	Compression	64,7	15,1	194	82
	45° Compression	45,8	21,4	137	116
	Shear Stress	30,6	25,9	194	86
954050-09	Compression	68,7	12,2	206	68
	45° Compression	48,6	17,6	146	95
	Shear Stress	32,5	21,3	206	71
954050-10	Compression	62	15	200	90
	45° Compression	45	17	125	120
	Shear Stress	30	20	150	80
954050-11	Compression	58	16,8	174	91
	45° Compression	41	23,7	123	129
	Shear Stress	27,4	28,7	174	95

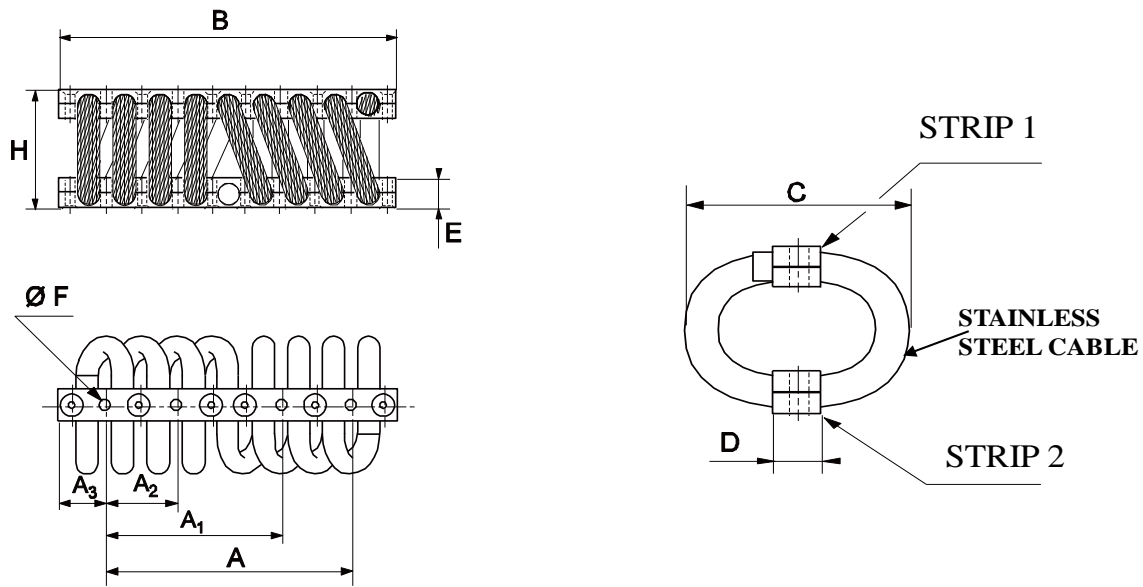
**SIZES & DIMENSIONS**


Reference	A mm	A <sup>1</sup> mm	A <sup>2</sup> mm	A <sup>3</sup> mm	B mm	C mm	D mm	E mm	Ø F mm		H mm
									liso	rosca	
954051-01	156	111	44,5	30	216	92	25	20	9	M8	75
954051-02	156	111	44,5	30	216	105	25	20	9	M8	90
954051-03	156	111	44,5	30	216	120	25	20	9	M8	95
954051-04	156	111	44,5	30	216	150	25	20	9	M8	110
954051-05	156	111	44,5	30	216	102	25	20	9	M8	83
954051-06	156	111	44,5	30	216	133	25	20	9	M8	108
954051-07	156	111	44,5	30	216	143	25	20	9	M8	124
954051-08	156	111	44,5	30	216	180	25	20	9	M8	155
954051-09	156	111	44,5	30	216	156	25	20	9	M8	137
954051-10	156	111	44,5	30	216	130	25	20	9	M8	100

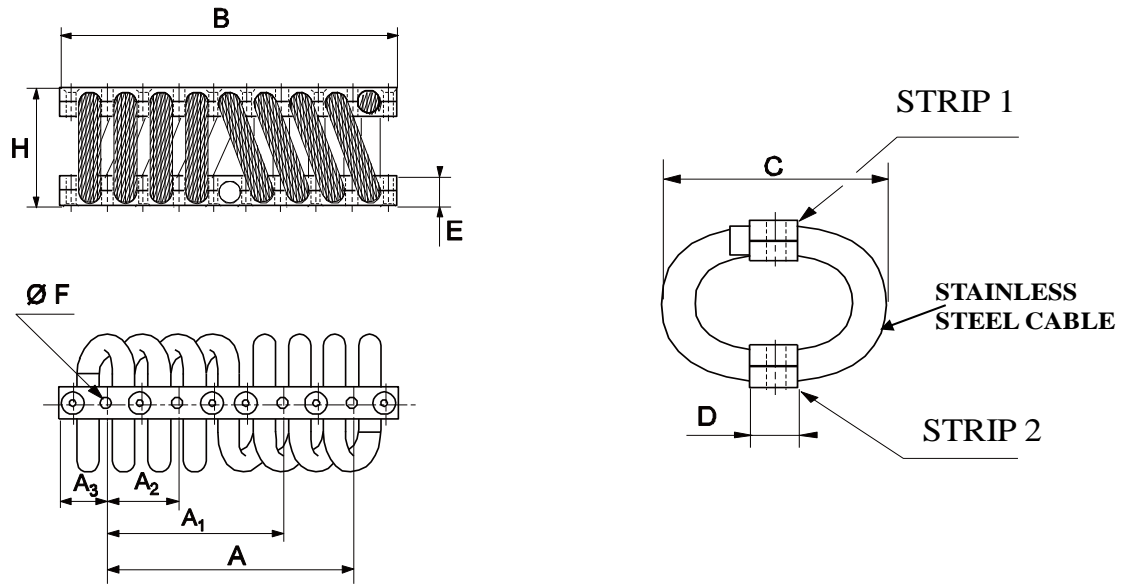


**PERFORMANCE**


Reference	Working position	Max. static load Kg	Static Deflection mm	Max. dynamic load Kg	Dynamic Deflection mm
954051-01	Compression	200	3	1.150	30
	45° Compression	200	5	780	44
	Shear Stress	120	5	550	20
954051-02	Compression	150	3	1.100	48
	45° Compression	150	5	550	55
	Shear Stress	75	5	400	25
954051-03	Compression	100	3	1.000	50
	45° Compression	100	5	500	60
	Shear Stress	70	5	300	25
954051-04	Compression	50	3	700	60
	45° Compression	50	5	350	70
	Shear Stress	40	5	150	28
954051-05	Compression	200	4	1.000	35
	45° Compression	150	5	600	45
	Shear Stress	100	5	500	25
954051-06	Compression	70	4	600	60
	45° Compression	50	4	400	70
	Shear Stress	40	4	150	25
954051-07	Compression	200	14	600	70
	45° Compression	120	19	400	100
	Shear Stress	90	21	500	75
954051-08	Compression	135	18	410	100
	45° Compression	95	26	295	145
	Shear Stress	65	32	400	105
954051-09	Compression	172	15,9	516	86
	45° Compression	122	22,5	365	122
	Shear Stress	81,3	27,3	516	91
954051-10	Compression	240	11	720	65
	45° Compression	170	15	520	90
	Shear Stress	120	19	720	69

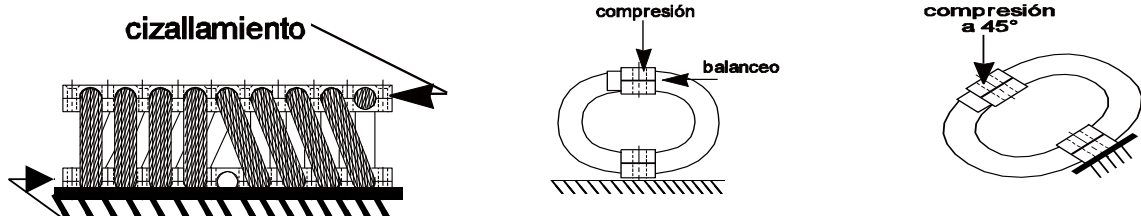
**SIZES & DIMENSIONS**


Reference	A mm	A <sup>1</sup> mm	A <sup>2</sup> mm	A <sup>3</sup> mm	B mm	C (mm)	D mm	E mm	Ø F mm		H (mm)
									liso	rosca	
954052-01	191	136,5	54,5	38,1	267	102	25	25	11	M10	90
954052-02	191	136,5	54,5	38,1	267	112	25	25	11	M10	95
954052-03	191	136,5	54,5	38,1	267	112	25	25	11	M10	100
954052-04	191	136,5	54,5	38,1	267	125	25	25	11	M10	100
954052-05	191	136,5	54,5	38,1	267	135	25	25	11	M10	110
954052-06	191	136,5	54,5	38,1	267	170	25	25	11	M10	150
954052-07	191	136,5	54,5	38,1	267	178	25	25	11	M10	135
954052-08	191	136,5	54,5	38,1	267	165	25	25	11	M10	127
954052-09	191	136,5	54,5	38,1	267	121	25	25	11	M10	95
954052-10	191	136,5	54,5	38,1	267	135	25	25	11	M10	109
954052-11	191	136,5	54,5	38,1	267	120	25	25	11	M10	100
954052-12	191	136,5	54,5	38,1	267	152	25	25	11	M10	119

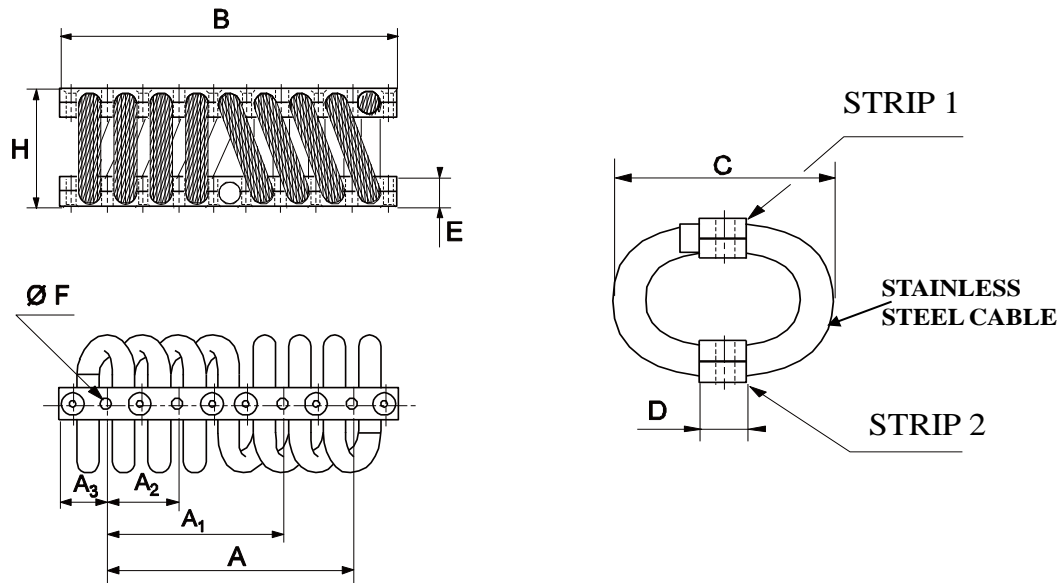
**SIZES & DIMENSIONS**


Reference	A mm	A <sup>1</sup> mm	A <sup>2</sup> mm	A <sup>3</sup> mm	B mm	C mm	D mm	E mm	Ø F mm		H mm
									liso	rosca	
954053-01	266,5	190,5	76,2	50,7	368	140	40	40	13	M12	135
954053-02	266,5	190,5	76,2	50,7	368	165	40	40	13	M12	150
954053-03	266,5	190,5	76,2	50,7	368	195	40	40	13	M12	160
954053-04	266,5	190,5	76,2	50,7	368	178	40	40	13	M12	160
954053-05	266,5	190,5	76,2	50,7	368	210	40	40	13	M12	190
954053-06	266,5	190,5	76,2	50,7	368	235	40	40	13	M12	216

**PERFORMANCE**

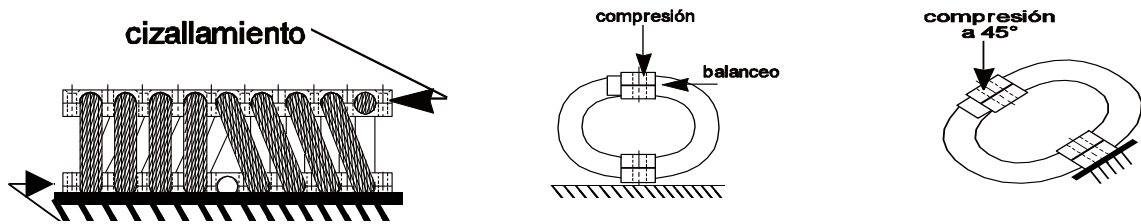


Reference	Working position	Max. static load Kg	Static Deflection mm	Max. dynamic load Kg	Dynamic Deflection mm
954053-01	Compression	600	3	4.000	50
	45° Compression	600	5	3.000	60
	Shear Stress	500	12	4.000	50
954053-02	Compression	500	3	2.600	50
	45° Compression	500	5	1.700	55
	Shear Stress	500	20	2.500	50
954053-03	Compression	400	4	2.200	50
	45° Compression	400	8	1.400	55
	Shear Stress	400	15	2.800	60
954053-04	Compression	400	3	2.500	60
	45° Compression	400	6	1.800	60
	Shear Stress	400	12	2.500	60
954053-05	Compression	743	18,9	2.228	103
	45° Compression	525	26,8	1.575	145
	Shear Stress	351	32,4	2.228	108
954053-06	Compression	621	23	1.862	125
	45° Compression	439	33	1.317	178
	Shear Stress	294	40	1.862	132

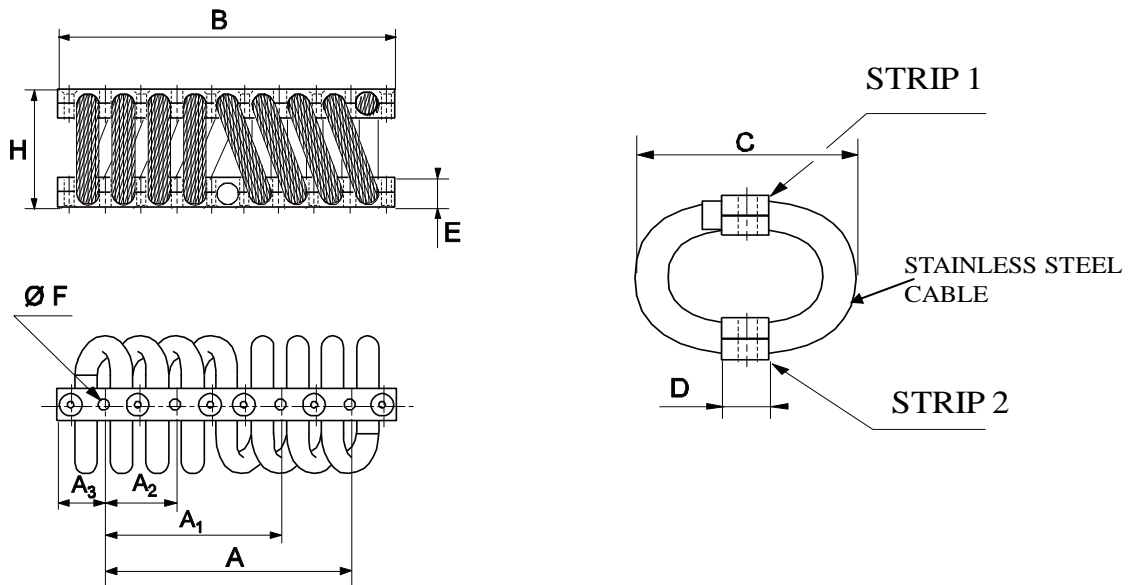
**SIZES & DIMENSIONS**


Reference	A mm	A <sup>1</sup> mm	A <sup>2</sup> mm	A <sup>3</sup> mm	B mm	C mm	D mm	E mm	Ø F mm		H mm
									liso	rosca	
954054-01	378	270	108	70,8	520	216	50	50	20	M18	178
954054-02	378	270	108	70,8	520	240	50	50	20	M18	216
954054-03	378	270	108	70,8	520	260	50	50	20	M18	235
954054-04	378	270	108	70,8	520	210	50	50	20	M18	178

**PERFORMANCE**

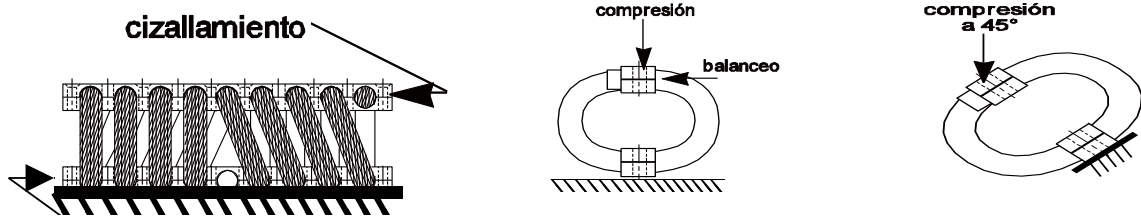


Reference	Working position	Max. static load Kg	Static Deflection mm	Max. dynamic load Kg	Dynamic Deflection mm
954054-01	Compression	800	3	5.800	68
	45° Compression	800	5	4.100	95
	Shear Stress	600	5	5.700	64
954054-02	Compression	800	6	4.900	90
	45° Compression	600	8	3.400	125
	Shear Stress	500	8	4.800	80
954054-03	Compression	800	8	4.300	100
	45° Compression	600	10	3.100	160
	Shear Stress	500	10	4.200	100
954054-04	Compression	1.900	12	5.000	65
	45° Compression	1.300	15	4.000	90
	Shear Stress	900	20	3.800	70

**SIZES & DIMENSIONS**


Reference	A mm	A <sup>1</sup> mm	A <sup>2</sup> mm	A <sup>3</sup> mm	B mm	C mm	D mm	E mm	Ø F mm		H mm
									liso	rosca	
954055-01	378	270	108	70,8	520	224	50	50	20	M18	180
954055-02	378	270	108	70,8	520	256	50	50	20	M18	214
954055-03	378	270	108	70,8	520	248	50	50	20	M18	218

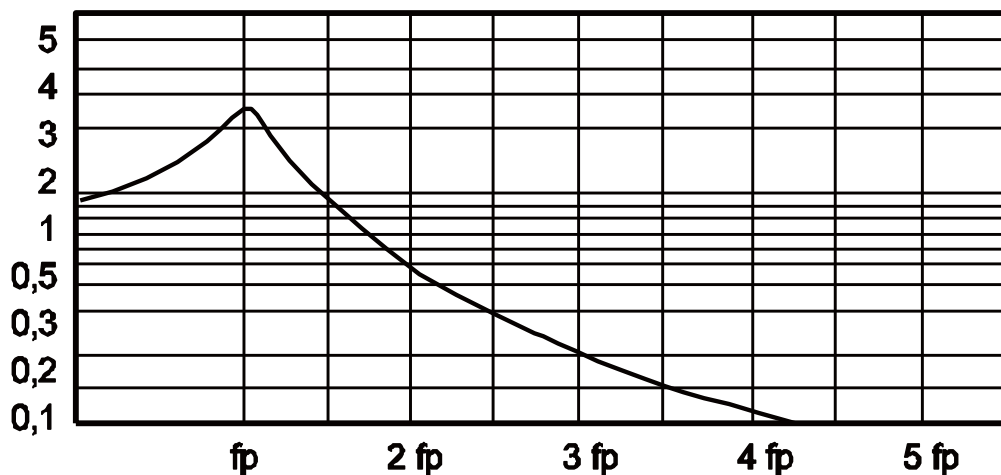
**PERFORMANCE**



Reference	Working position	Max. static load Kg	Static Deflection mm	Max. dynamic load Kg	Dynamic Deflection mm
954055-01	Compression	1.200	3	8.000	58
	45° Compression	1.200	5	6.400	90
	Shear Stress	700	5	8.000	63
954055-02	Compression	1.200	6	7.200	90
	45° Compression	900	8	5.000	120
	Shear Stress	700	8	7.200	90
954055-03	Compression	2.017	17,9	6.050	97
	45° Compression	1.426	25,4	4.278	137
	Shear Stress	954	30,7	6.050	102



- Temperatures supported:
  - From - 180 ° C to + 300 ° C
- Electrical conductivity:
  - By a conductor treatment - conductivity < 210 Ω
- Environmental conditions:
  - Thanks composition, these absorbers are not affected by a severe environment.
- Vibration transmissibility curves:
  - Systems with one degree of freedom.



The strips can be supplied with through holes, threaded holes or countersunk holes (possible combination supported)

		STRIP 1		
		Through holes: P	Threaded holes: R	Countersunk holes: F
STRIP 2	Through holes: P	PP	RP	FP
	Threaded holes: R	PR	RR	FR
	Countersunk holes: F	PF	RF	FF

Coding example: 954044-01 PP