

GAM-CAB-H63-XXX

General purpose

GAM-CAB wire isolators are manufactured from stainless steel cables.

The particular advantages of these elements are due to their large deformation capability for shock absorption purposes and the unusually good vibration damping caused by the friction between the individual wires when the cables deform.

Applications

Especially suitable for sensitive mobile equipment, heavy rotating machines, avionics, shipboard electronics and many vibration sensitive devices

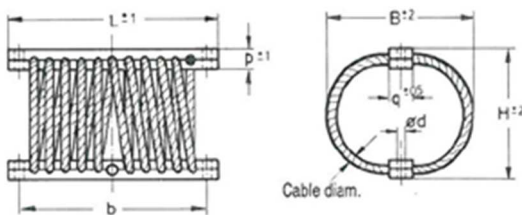
Specifications

NATO, STANAG, MIL, GAM-EG-13

Codifications

The reference is: GAM-CAB-H63-XXX-FF
FF corresponding to the fastening variant
Particular achievements can be proposed

Dimensions



Type	∅ (0,1mm)	L (mm)	b (mm)	p (mm)	q (mm)	d (mm)	W (mm)	Weight ca. g
H	63	146	131,0	13	16	7,0	8	370-560

P/N	∅ (0,1mm)	L (mm)	H (mm)	B (mm)	Number of windings (mm)
H63-001	63	146	54	64	8
H63-002	63	146	60	72	8
H63-003	63	146	64	81	8
H63-004	63	146	80	92	8
H63-005	63	146	82	108	8
H63-006	63	146	90	102	8
H63-007	63	146	95	125	8
H63-008	63	146	95	135	8
H63-009	63	146	135	175	8



Construction (Standards or special designs)

Cable:

Stainless steel 1.4301 (AISI 304)
Stainless steel 1.4401 (AISI 316)

Bars:

Aluminium 3.3211, chromised (6061)
Aluminium 3.3547, chromised (5083)
Stainless steel 1.4301/1.4401/1.4571

Screws:

Steel, galvanised

Connections:

Stainless steel 1.4401 (AISI 316)
Stainless steel 1.4571 (AISI 316 Ti)
(mounting screws are not included)

Thread inserts:

Stainless steel 1.4300 (AISI 302)

Temperature range:

-70°C to +260°C

Electrical conductivity:

Electrical resistance < 2.10⁻³ Ω

Tolerances:

Fastening holes : ±0,2mm
Element width and height : ±2mm

Deflection datas:

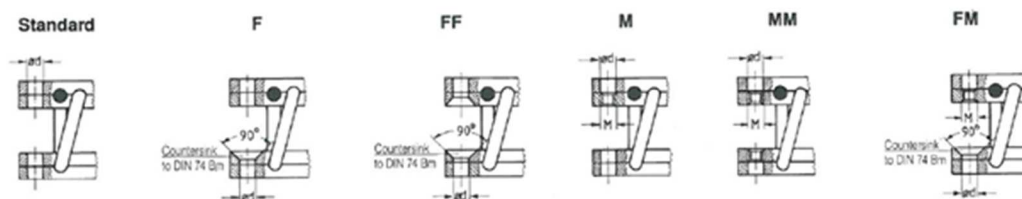
±10% for compression and tensile
±20% for all the directions

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Fastenings variants (referred to the inner side of the bars)

The GAM-CAB wire dampers connections on the unit and the foundation can be freely selected. The following variants are possible and should be quoted when ordering :

- (*) = through holes in both bars (standard design) (without additional information after the type designation)
- F = countersunk holes to DIN 74Bm on one bar and through holes on one bar
- FF = countersunk holes to DIN 74Bm on both bars
- M = on bar with metric threaded holes, and one bar with through holes
- MM = both bars with metric threaded holes
- FM = one bar with countersunk holes to DIN 74Bm and one bar with metric threaded holes



Characteristics

P/N	Weight (kg)	Fixing Bores (mm)	Load Direction	Max. Static Load (daN)	Static Deflection (mm)	Dynamic stiffness (N/mm)	Natural Frequency (Hz)	Max. Load (kN)	Max. Deflection (mm)
H63-001	0,37	7,0/M6	Axial (-)	95	5	315	9,2	2,22	23
			Axial (+)	91	4	500	11,8	4,86	15
			Radial (±)	30	5	112	9,7	1,2	18
H63-002	0,41	7,0/M6	Axial (-)	60	5,5	180	8,7	1,96	32
			Axial (+)	60	4	340	12,0	3,32	15
			Radial (±)	16	5	65	10,1	2,0	34
H63-003	0,44	7,0/M6	Axial (-)	44	7	125	8,5	1,48	34
			Axial (+)	42	6	160	9,8	4,6	25
			Radial (±)	10	6	32	9,0	1,06	38
H63-004	0,51	7,0/M6	Axial (-)	30	8	72	7,8	1,13	50
			Axial (+)	29	6	105	9,6	3,45	28
			Radial (±)	11	8	27	7,9	0,93	45
H63-005	0,54	7,0/M6	Axial (-)	24	8	56	7,7	1,04	50
			Axial (+)	24	6,5	70	8,6	1,72	28
			Radial (±)	10	8	25	8,0	0,6	45
H63-006	0,56	7,0/M6	Axial (-)	30	10	57	6,9	1,1	55
			Axial (+)	30	8,5	76	8,0	3,3	33
			Radial (±)	8	10	16	7,1	0,56	48
H63-007	0,64	7,0/M6	Axial (-)	14	10	29	7,2	0,65	60
			Axial (+)	14	9,5	32	7,6	1,7	45
			Radial (±)	6	10	12	7,1	0,5	60
H63-008	0,67	7,0/M6	Axial (-)	12	10	25	7,3	0,52	60
			Axial (+)	12	10	30	8,0	1,8	50
			Radial (±)	5	10	11	7,5	0,38	60
H63-009	0,83	7,0/M6	Axial (-)	8	15	12	6,2	0,4	90
			Axial (+)	8	15	12	6,2	1,2	63
			Radial (±)	2	12	3,5	6,7	0,22	86