

GAM-CAB-H125-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

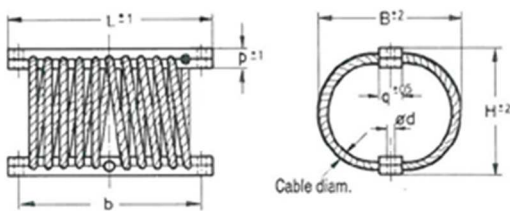
Specifications

NATO, STANAG, MIL, GAM-EG-13

Codifications

The reference is: GAM-CAB-H125-XXX-FF
FF corresponding to the fastening variant
Particular achievements can be proposed

Dimensions



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 $< 2 \cdot 10^{-3} \Omega$

Tolerances:

Fastening holes : $\pm 0,2\text{mm}$
Element width and height : $\pm 2\text{mm}$

Deflection datas:

$\pm 10\%$ for compression and tensile
 $\pm 20\%$ for all the directions

Type	\varnothing (0,1mm)	L (mm)	b (mm)	a (mm)	p (mm)	q (mm)	d (mm)	W (mm)	Weight ca. g
H	125	216	155,8	66,8	20	25	8,5	8	1,600-2,400

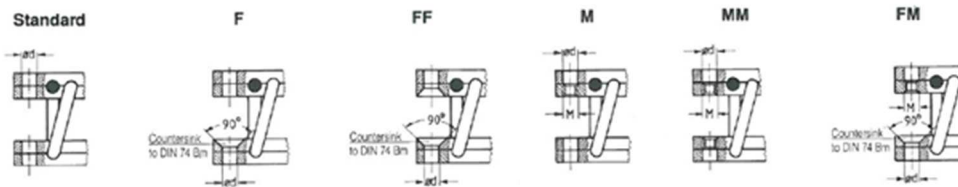
P/N	\varnothing (0,1mm)	L (mm)	H (mm)	B (mm)	Number of windings (mm)
H125-001	125	216	75	92	8
H125-002	125	216	90	107	8
H125-003	125	216	100	130	8
H125-004	125	216	100	140	8
H125-005	125	216	110	150	8
H125-006	125	216	110	175	8
H125-007	125	216	140	190	8

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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)
H125-001	1,65	8,5/M8	Axial (-)	350	6	890	8,0	15,5	33
			Axial (+)	340	3,5	2300	13,1	17,0	11
			Radial (±)	140	5	550	10,0	9,6	30
H125-002	1,9	8,5/M8	Axial (-)	240	8	490	7,2	9,0	45
			Axial (+)	240	5,5	1000	10,3	16,0	19
			Radial (±)	60	8	150	8,0	6,3	43
H125-003	2,0	8,5/M8	Axial (-)	200	10	380	6,9	7,8	55
			Axial (+)	200	9	480	7,8	14,5	36
			Radial (±)	70	8	175	8,0	4,7	50
H125-004	2,1	8,5/M8	Axial (-)	170	10	330	7,0	7,0	55
			Axial (+)	170	9,5	350	7,2	14,6	43
			Radial (±)	70	10	140	7,1	4,5	57
H125-005	2,38	8,5/M8	Axial (-)	150	12	226	6,2	5,5	70
			Axial (+)	140	12	240	6,6	16,5	50
			Radial (±)	50	10	100	7,1	3,8	65
H125-006	2,6	8,5/M8	Axial (-)	100	12	160	6,4	3,74	65
			Axial (+)	100	11	200	7,1	7,2	55
			Radial (±)	39	10	68	6,6	2,6	65
H125-007	3,1	8,5/M8	Axial (-)	90	16	110	5,6	3,5	85
			Axial (+)	90	14	135	6,2	8,2	65
			Radial (±)	22	10	42	7,0	1,5	65