GAMMA
Designed for Safety

GAM-CAB-H160-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

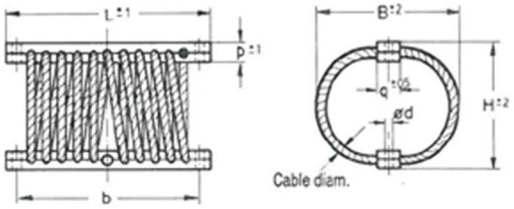
Specifications

NATO, STANAG, MIL, GAM-EG-13

Codifications

The reference is: GAM-CAB-H160-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 < 2.10^{-3} Ω

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

Deflection datas:
±10% for compression and tensile
±20% for all the directions

Type	∅ (0,1mm)	L (mm)	b (mm)	a (mm)	p (mm)	q (mm)	d (mm)	W (mm)	Weight ca. g
H	160	267	191,0	82,0	25	25	10,6	8	3,000-4,000

P/N	∅ (0,1mm)	L (mm)	H (mm)	B (mm)	Number of windings (mm)
H160-001	160	267	100	125	8
H160-002	160	267	110	135	8
H160-003	160	267	120	145	8
H160-004	160	267	135	175	8
H160-005	160	267	150	170	8
H160-006	160	267	145	190	8

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Ed. 07/16

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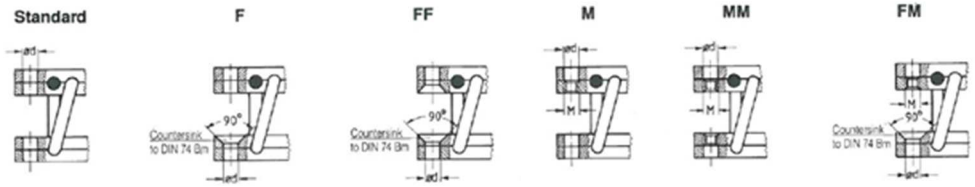
Fastenings variants (referred to the inner side of the bars)

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)
H160-001	3,2	10,6/M10	Axial (-) Axial (+) Radial (±)	430 430 240	7 5,5 10	1050 1700 450	7,9 10,0 6,9	17,4 22,0 9,42	45 22 40
H160-002	3,55	10,6/M10	Axial (-) Axial (+) Radial (±)	460 460 150	10 7 10	900 1500 300	7,0 9,1 7,1	18,6 39,0 11,8	55 35 55
H160-003	3,7	10,6/M10	Axial (-) Axial (+) Radial (±)	310 300 120	10 8,5 10	570 740 220	6,8 7,9 6,8	13,7 25 9,2	65 40 65
H160-004	3,95	10,6/M10	Axial (-) Axial (+) Radial (±)	250 250 70	15 13 10	315 380 125	5,6 6,2 6,7	8,5 19,0 5,4	80 53 65
H160-005	3,95	10,6/M10	Axial (-) Axial (+) Radial (±)	260 260 60	15 10 12	310 600 120	5,5 7,6 7,1	9,5 28,0 5,0	95 50 65
H160-006	4,62	10,6/M10	Axial (-) Axial (+) Radial (±)	200 200 57	15 14 12	250 320 100	5,6 6,4 6,7	8,0 17,0 3,3	80 60 65

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