

GAM-CAB-H160-001



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

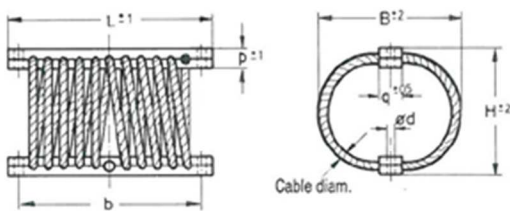
Specifications

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

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	160	267	191,0	82,0	25	25	10,6	8	3,000-4,000

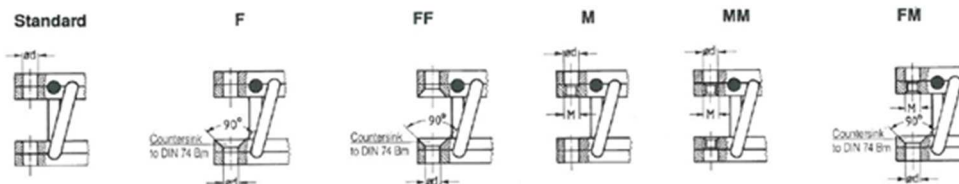
P/N	\varnothing (0,1mm)	L (mm)	H (mm)	B (mm)	Number of windings (mm)
H160-001	160	267	100	125	8

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

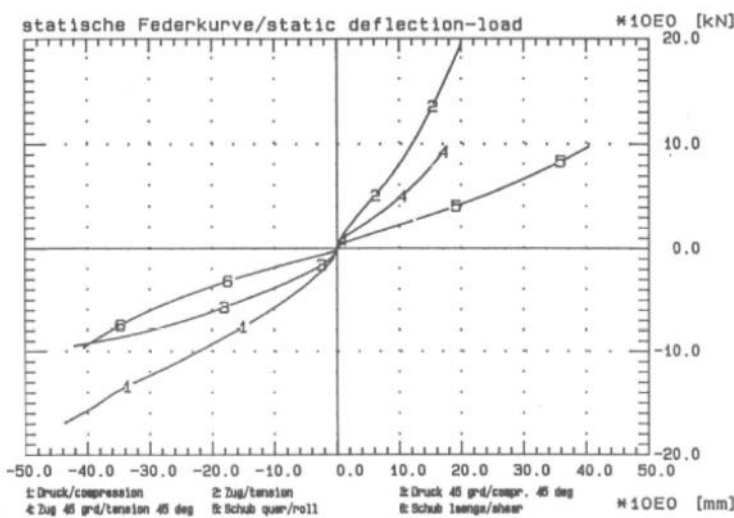
The GAM-CAB wire dampers connections on the unit and the foundation can be freely selected. The following variants are possible and should be quoted when ordering :

- (*) = 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

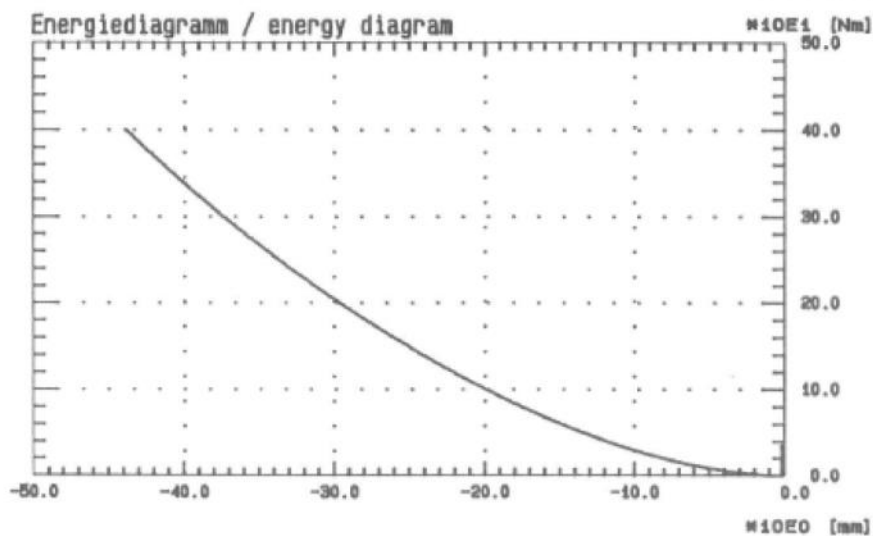
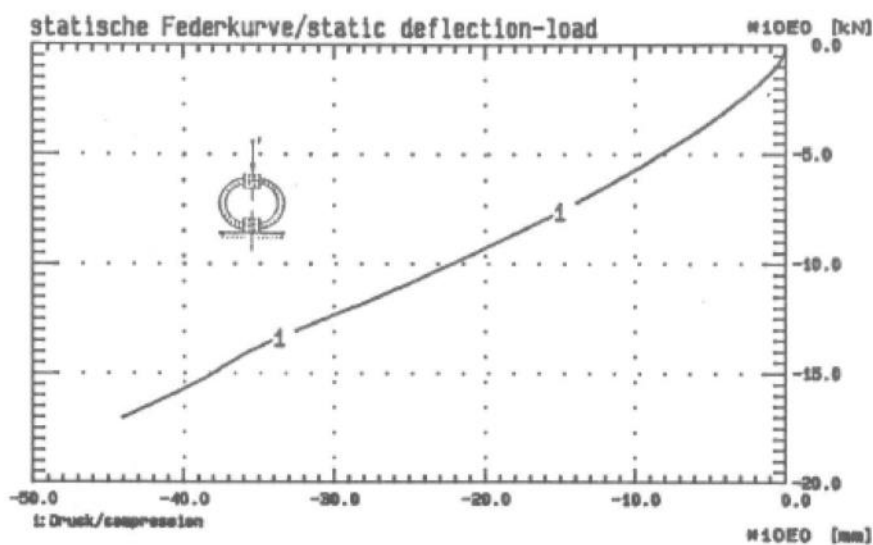
P/N	Weight (kg)	Fixing Bores (mm)	Load Direction	Max. Static Load (daN)	Static Deflection (mm)	Dynamic stiffness (N/mm)	Natural Frequency (Hz)	Max. Load (kN)	Max. Deflection (mm)
H160-001	3,2	10,6/M10	Axial (-) Axial (+) Radial (±)	430 430 240	7 5,5 10	1050 1700 450	7,9 10,0 6,9	17,4 22,0 9,42	45 22 40



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1: Druck/compression

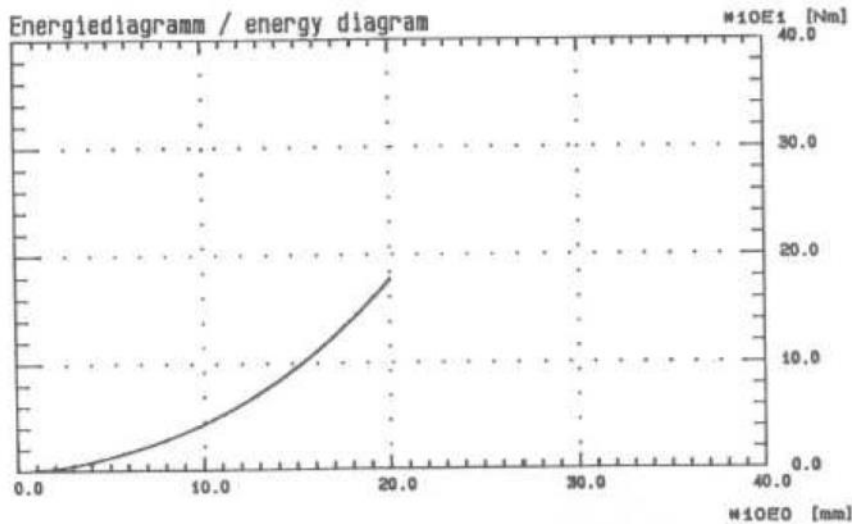
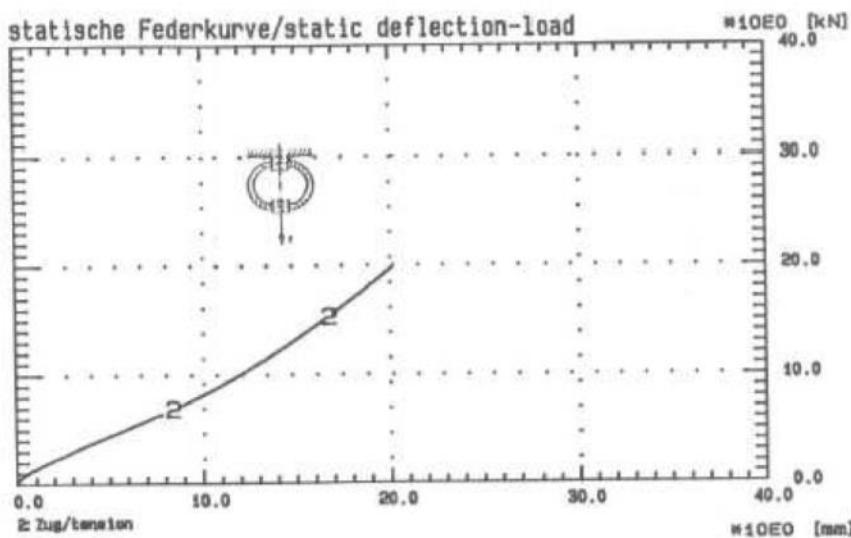
#10E 0 [mm]	-1.5	-2.6	-5.0	-10.1	-20.1	-30.0	-40.0	-44.5		
#10E 0 [kN]	-1.50	-2.25	-3.52	-5.72	-9.31	-12.32	-15.70	-17.13		



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2: Zug/tension

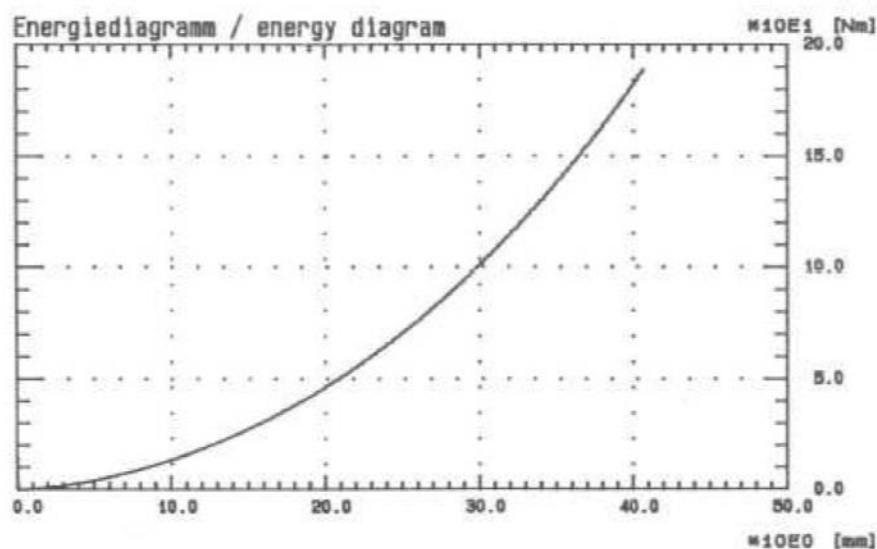
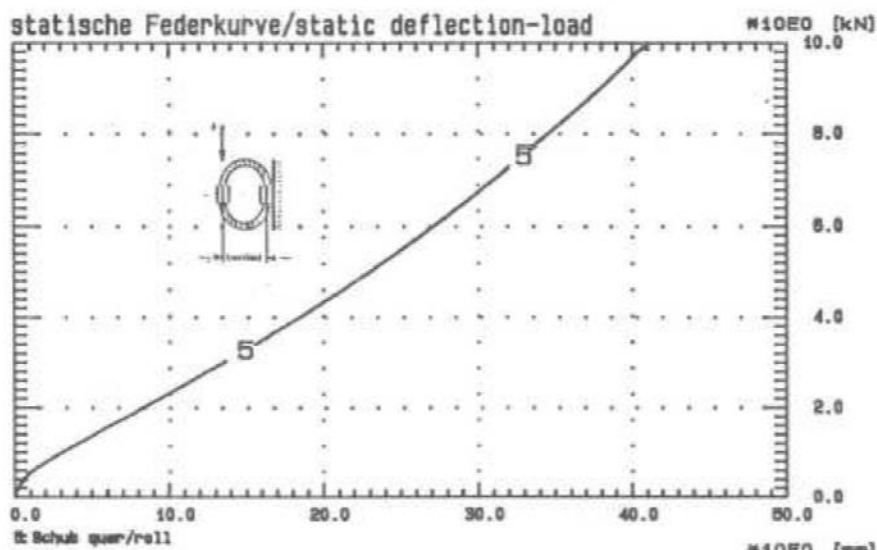
*10E 0 [mm]	1.5	2.8	5.0	10.1	15.0	20.0				
*10E 0 [kN]	1.85	2.69	4.45	8.25	13.23	19.71				



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5: Schub quer/roll

#10E 0 [mm]	1.5	2.6	5.0	10.1	20.0	30.0	40.0			
#10E 0 [kN]	0.68	0.90	1.38	2.35	4.35	6.74	9.68			



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6: Schub laengs/shear

#10E 0 [mm]	-1.6	-2.5	-5.1	-10.1	-20.1	-30.2	-40.0			
#10E 0 [kN]	-0.49	-0.87	-1.06	-1.87	-3.73	-6.10	-9.43			

