



HEAVY MACHINE A.V MOUNTS / SE-BM-100E SERIES

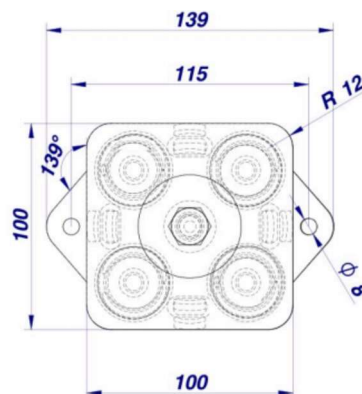
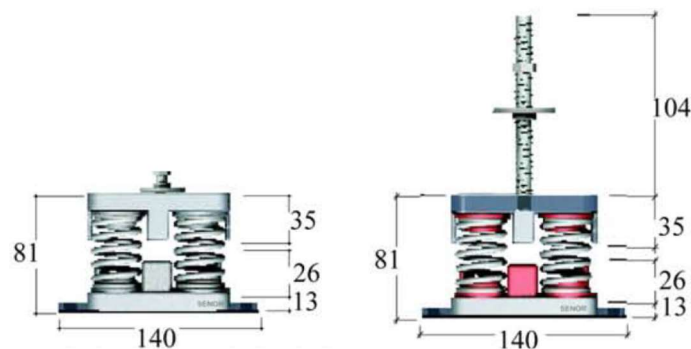
Features:

- M8-M16 thread sizes available.
- Excellent Weather Resistance
- Long Shelf Life
- Weight Range: 30-500kg per mount.
- All Parts Supplied with Nuts & Washers

Our SE-BM-100-E heavy machine A.V mounts are used in a wide variety of applications to protect machinery from vibrations and impact in frequency ranges from 450 rpm.

The heavy machine mounts incorporate eight movement stabilisers, four fitted to the top plate and four fitted to the bottom plate. Once the mount is loaded these stoppers match each other, limiting the transverse and longitudinal movement of the core, avoiding sudden displacements when the machine starts and stops.

Part Number	Colour	Weight Range (KG) Min-Max	Thread Size Available
SE-BM-100EGxx-150	Grey	30 ~ 150	M8-M16
SE-BM-100EVxx-250	Green	151 ~ 250	M8-M16
SE-BM-100EAXx-330	Blue	251 ~ 330	M8-M16
SE-BM-100ERxx-500	Red	331 ~ 500	M8-M16



Gelmecc UK

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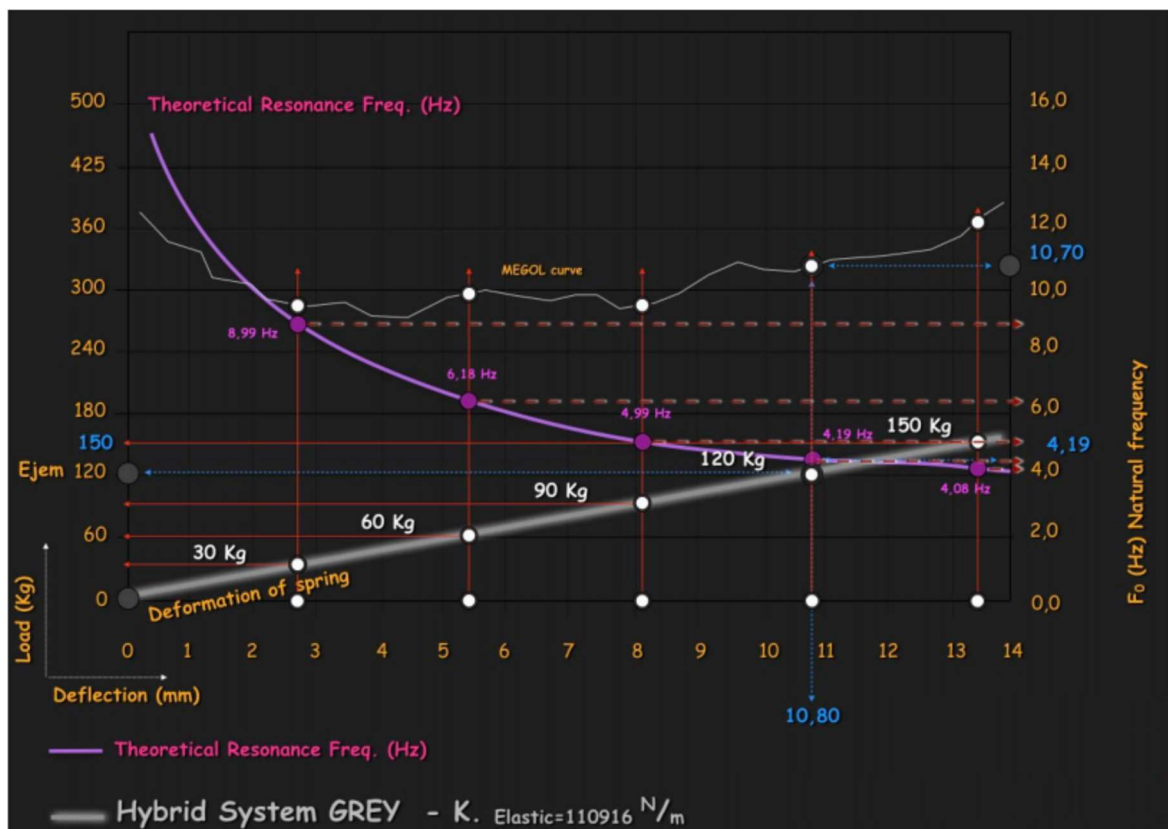
HEAVY MACHINE A.V MOUNTS / SE-BM-100E SERIES

SE-BM-100EGxx-150

Property	Method	Unit	Result
Density	ASTM D 792	g/cm ³	1.19
Hardness "15 sec"	ASTM D 2240	Shore A	20
Extreme Force	ASTM D 624	KN/m	11
Elasticity module 100% elongation	ASTM D 638	MPa	1.8
Elasticity module 300% elongation	ASTM D 638	MPa	2.2
Breaking Tension	ASTM D6 38	MPa	3.5
Elongation % break	ASTM D 638	%	800
MFI (190°C, 49.05N)	ASTM D 1238	g/10 min	20

Test Data

Max Load Value (N)	Deflection (mm)	Rigidity (Kn/m)	Natural Freq. (Hz)
1500N	13.40	110.90	4.08



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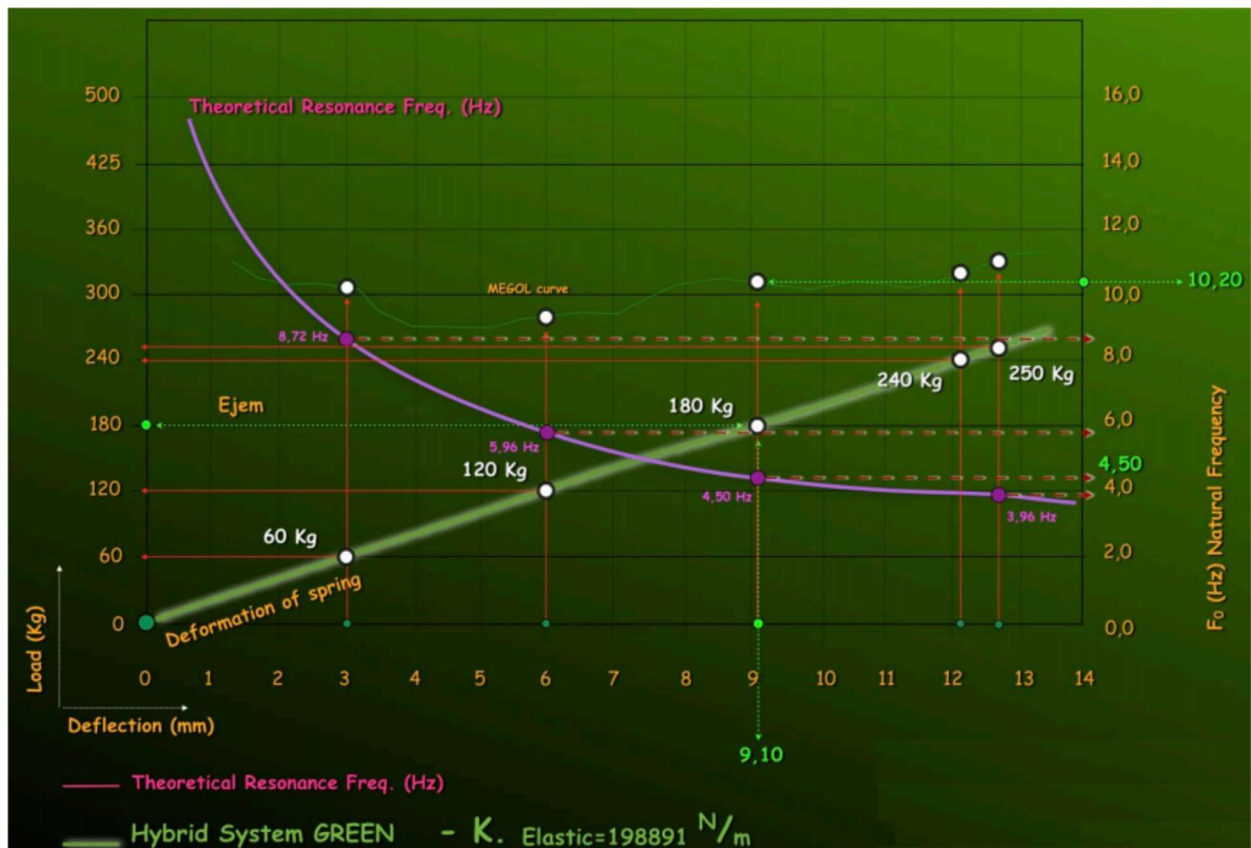
HEAVY MACHINE A.V MOUNTS / SE-BM-100E SERIES

SE-BM-100EVxx-250

Property	Method	Unit	Result
Density	ASTM D 792	g/cm ³	1.19
Hardness "15 sec"	ASTM D 2240	Shore A	29
Extreme Force	ASTM D 624	KN/m	13
Elasticity module 100% elongation	ASTM D 638	MPa	1.8
Elasticity module 300% elongation	ASTM D 638	MPa	2.7
Breaking Tension	ASTM D6 38	MPa	5.1
Elongation % break	ASTM D 638	%	817
MFI (190°C, 49.05N)	ASTM D 1238	g/10 min	20

Test Data

Max Load Value (N)	Deflection (mm)	Rigidity (Kn/m)	Natural Freq. (Hz)
2500N	12.60	198.80	3.96



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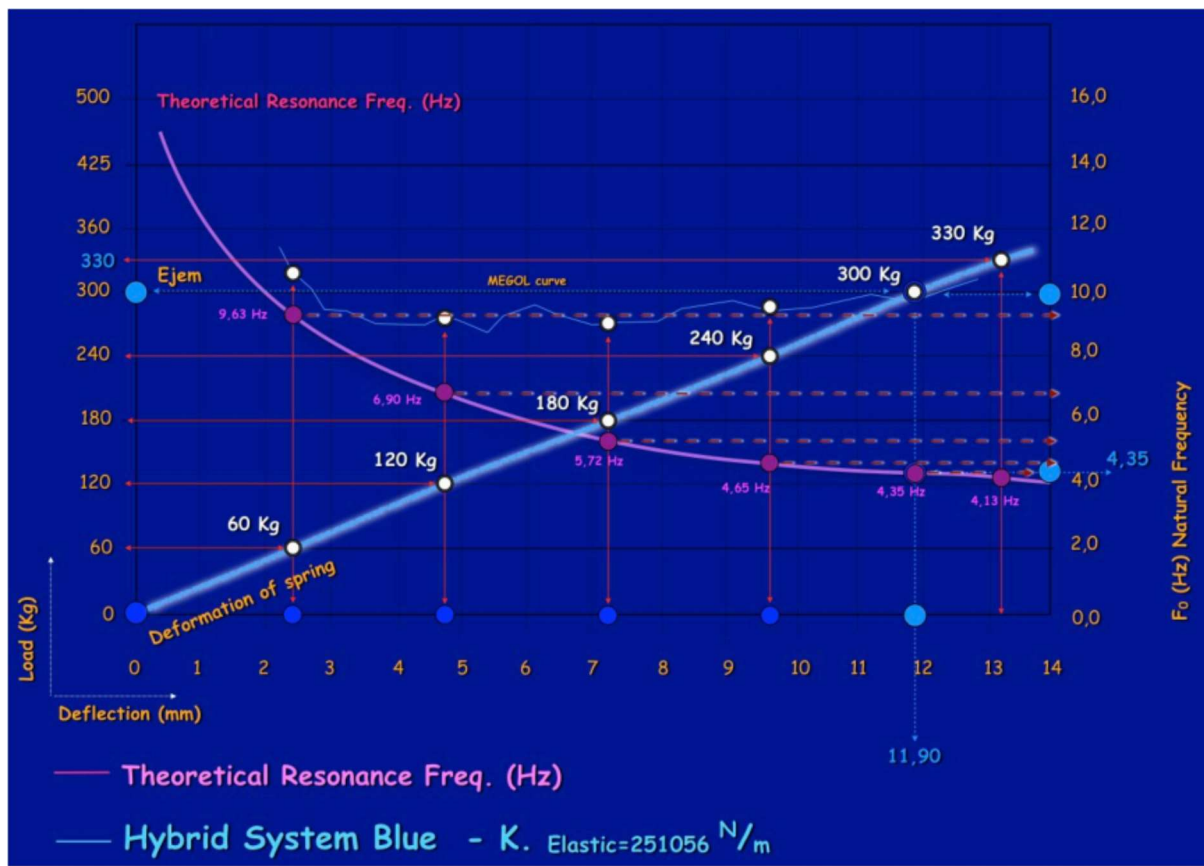
HEAVY MACHINE A.V MOUNTS / SE-BM-100E SERIES

SE-BM-100EAxx-330

Property	Method	Unit	Result
Density	ASTM D 792	g/cm ³	1.22
Hardness "15 sec"	ASTM D 2240	Shore A	40
Extreme Force	ASTM D 624	KN/m	16
Elasticity module 100% elongation	ASTM D 638	MPa	2.0
Elasticity module 300% elongation	ASTM D 638	MPa	2.7
Breaking Tension	ASTM D6 38	MPa	5.6
Elongation % break	ASTM D 638	%	960
MFI (190°C, 49.05N)	ASTM D 1238	g/10 min	25

Test Data

Max Load Value (N)	Deflection (mm)	Rigidity (Kn/m)	Natural Freq. (Hz)
3300N	13.10	251.05	4.13



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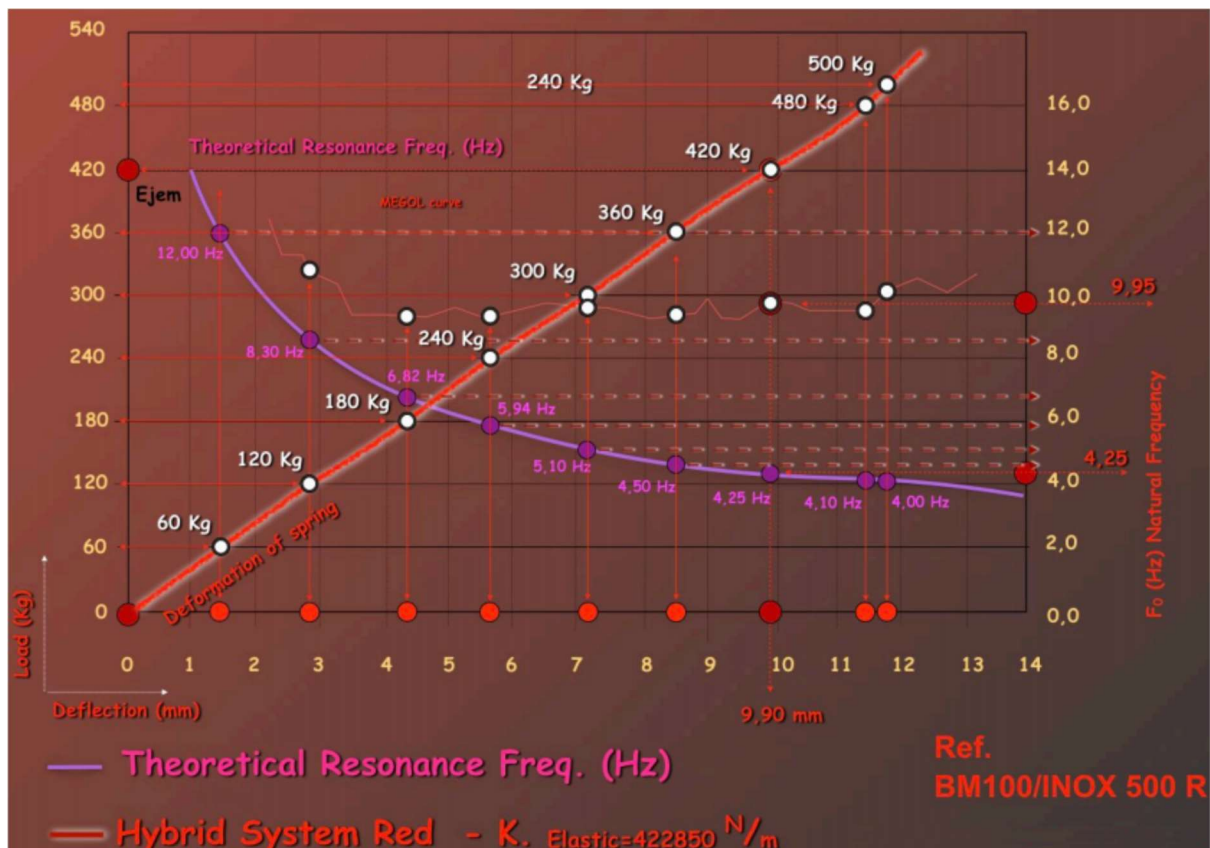
HEAVY MACHINE A.V MOUNTS / SE-BM-100E SERIES

SE-BM-100ERxx-500

Property	Method	Unit	Result
Density	ASTM D 792	g/cm ³	1.21
Hardness "15 sec"	ASTM D 2240	Shore A	53
Extreme Force	ASTM D 624	KN/m	21.8
Elasticity module 100% elongation	ASTM D 638	MPa	2.0
Elasticity module 300% elongation	ASTM D 638	MPa	5.0
Breaking Tension	ASTM D6 38	MPa	5.9
Elongation % break	ASTM D 638	%	872
MFI (190°C, 49.05N)	ASTM D 1238	g/10 min	15

Test Data

Max Load Value (N)	Deflection (mm)	Rigidity (Kn/m)	Natural Freq. (Hz)
5000N	11.90	422.8	4.0



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Metal Housing Properties

Helical System

Property	Value
Density	7833kg/m ³
Thermal Expansion Coefficient	0.000013/C
Thermal Conductivity	0.035kW/m-C
Specific Heat	490000 J/kg-C
Elasticity Module	200947.953 MPa
Poisson's Ratio	0.290
Elastic Limit	262.009 MPa
Breaking Tension	368.548 MPa
% of elongation	0

Metal Plating

Property	Value
Density	2712.00 kg/m ³
Thermal Expansion Coefficient	0.000023/C
Thermal Conductivity	0.221 kW/m-C
Specific Heat	920000 J/kg-C
Elasticity Module	68947.570 MPa
Poisson's Ratio	0.330
Elastic Limit	27579 MPa
Breaking Tension	68948 MPa
% of elongation	0

The metal plating is made from Zamak-5, a zinc-based alloy combined with aluminium, magnesium and copper. It has a hard, high resistance to traction, a density of 6.6g/cm³ and melting temperature of 386°C. It is also coated with a special resin called INTERPON 70, which is an epoxy and polyester based resin which provides the plating with excellent resistance against oxidation.

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