Reinforced Rubber Springs

oria



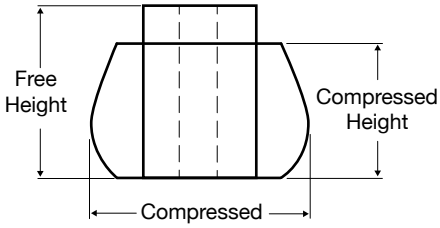
egaña group

MODELS

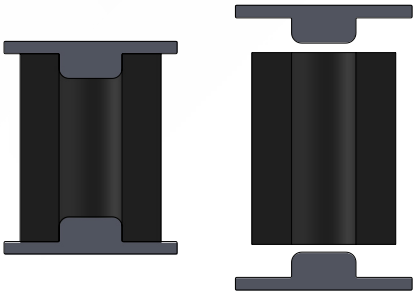
Rubber springs have been used for a long time due to the rubber properties to reduce vibration. The Oria reinforced rubber spring is a vibration isolator made of high-quality materials, combining rubber and fabric, for all industrial applications.

The Oria rubber and fabric spring is composed of a solid rubber core with a hollow in the centre and several plies of fabric reinforced rubber with a final outer cover. The fabric reinforced rubber body provides stability and a consistent cylindrical form, being able to support greater loads while isolating the vibration.

MODEL	UNLOADED SIZE			MINIMUM LOADING			MAXIMUM LOADING		
	Øext [mm]	Øint [mm]	Free Height [mm]	Min. Load [kN]	Compr. Height [mm]	Natural Frecuency [Hz]	Max. Load [kN]	Compr. Height [mm]	Natural Frecuency [Hz]
MM-003	41	16	44	0,6	38	6,9	1,4	32	5,1
MM-006	41	16	89	0,6	76	4,7	1,4	65	4,2
MM-009	83	32	127	1,8	108	4,2	4,0	92	3,1
MM-012	76	25	102	1,8	83	3,3	3,0	74	4,0
MM-018	76	25	76	2,1	65	4,9	4,1	55	3,6
MM-021	102	51	152	2,4	130	3,6	4,9	110	2,7
MM-024	89	25	152	2,5	130	3,7	5,4	110	2,8
MM-027	114	51	152	3,2	130	3,9	7,5	110	2,9
MM-030	114	25	178	5,0	151	3,6	11,3	129	2,6
MM-033	127	25	178	6,2	151	3,5	12,7	129	2,8
MM-036	152	76	152	6,2	130	3,5	13,7	110	3,2
MM-039	165	76	203	6,8	173	3,3	14,9	147	2,4
MM-042	140	51	178	6,8	151	3,0	14,6	129	3,0
MM-045	152	25	152	7,8	130	3,9	18,0	110	2,9
MM-051	165	51	203	8,8	173	3,1	19,6	147	2,7
MM-054	152	25	203	9,7	173	3,2	20,8	147	2,4
MM-057	191	89	203	10,2	173	3,0	22,9	147	2,7
MM-060	191	89	254	10,2	216	2,9	23,6	184	2,4
MM-063	203	89	305	12,0	259	2,6	26,1	221	1,9
MM-066	203	51	203	14,7	173	3,1	35,1	147	3,0
MM-069	229	51	203	23,1	173	3,0	50,7	147	2,5
MM-072	254	51	356	24,4	302	2,5	54,4	258	1,8
MM-075	254	51	203	29,3	173	3,3	66,7	147	2,7
MM-078	279	51	152	36,4	130	3,7	88,9	110	3,4
MM-081	279	51	203	36,9	173	3,3	80,0	147	2,4



The installation of the reinforced rubber springs is made fitting the hollow centre to the mounting pins. The dimensions required for the mounting pins are indicated in each model data sheet.



ADVANTAGES

The reinforced rubber springs are used as an alternative to steel coil springs, providing a nearly constant natural frequency with changing loads, greater durability in dump and corrosive environments, and a more effective noise reduction with a more compact size of spring.

Low Cost
The high load these springs can bear results on fewer springs requiered for the application, meaning fewer overall costs.

Constant isolation with variable loads
The variable spring rate enables a nearly constant natural frequency with variable loads, resulting on a consistent vibration isolation.

Eliminates downtime
The rubber construction eliminates the spring break possibility (def ect that occurs in steel coil springs), avoiding downtime and potential damage to machinery and environment.

Reduced Noise Level
Reduces the noise transmission caused by vibration compared to the steel coil springs, therefore increasing equipment lifespan and improving working conditions.

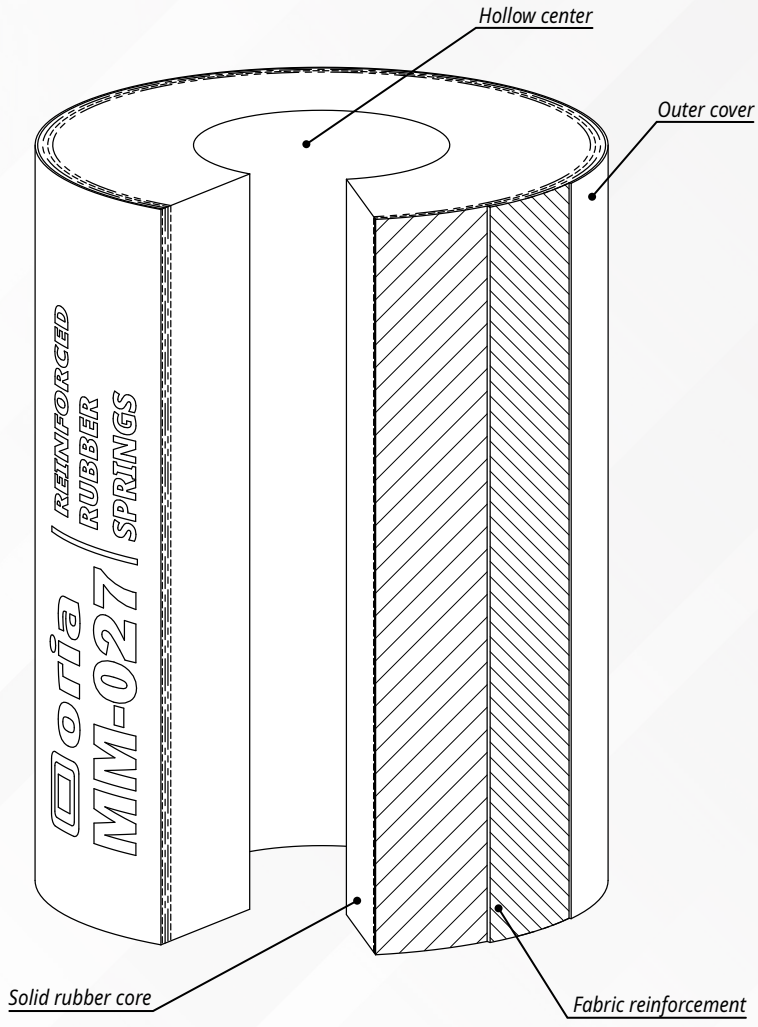
Excellent Vibration Isolation
Its low natural frequencies provide excellent isolation of perturbing frequencies in the range of 13 to 20 Hz.

Easy Installation
The rubber fabric spring is a light and compact product, being quick and easy to install and using a minimum space.

Extended Product Life
As the spring is made from rubber and fabric it is more effective and lasts longer in damp and corrosive environments.

Temperature range
Recommended working temperature range from -40º C to +75ºC.

Maintenance Free
As there are no moving parts, no maintenance or lubrication is required.



Compact Design
The use of fabric results on being able to bear greater loads maintaining its cylindrical shape. This makes to have lower general dimensions compared to all rubber springs and steel coil springs with similar load capacity.

egaña group

SPECIALISTS DESIGNING AND MANUFACTURING RUBBER-METAL AND REINFORCED-RUBBER INDUSTRIAL PRODUCTS



egaña
EGAÑA CAUCHO-METAL, S.L.U.

oria
MANUFACTURAS ORIA, S.L.U.

e&b
E&B RUBBER METAL INDIA PVT. LTD.

une
MANUFACTURAS UNE, S.A.U.

Paseo Egiburuberri 19 C
20100 Renteria
Guipuzcoa, Spain
T. 34 943 46 88 35
eganasl@eganasl.com
www.eganagroup.com

Cr. GI-2632 Km 7,8
20709 Ezkio
Guipuzcoa, Spain
T. 34 943 72 07 65
comercial@grupooria.com
www.eganagroup.com