

Noise & Vibration Control Products

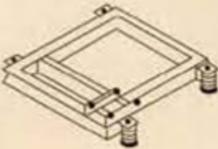
Noise & Vibration Control Products



YJ INDUSTRY CO.,LTD.

www.yjmvc.com

Vibration Isolators and Inertia base

Type No.	Type	Picture	Features
1	Rubber Pad		Usage of rubber products is not only for Pad but also for Mounting with single layer or multiple layer. Rubber for vibration isolation has its hardness 30-70 degree. Allowed up to 13mm deflection, but proper in 8mm deflection. Higher hardness rubber has small deflection and supports heavy load and so it could support a column or lower part of pipe with a noise insulation effect.
2	Rubber Mount		These mounts have the hardness 30 to 70 degree and it's good for less than 8mm deflection. It is mostly installed in underground and good for high speed rotational equipments.
3	Spring Mount		Metallic spring has various deflection and long lifespan for over 10 years. So it's generally used with various purposes. In order to reduce effectively the vibration and noise of high frequency, it is combined with rubber. The closed type like SCM is useful for outdoor installation to protect a corrosion.
4	Limited Spring Mount		This kind of mount has a limit bolt to limit a vertical deflection. It restricts a dynamic deflection of heavy load equipments like boiler or chiller. While the fluid is move inside the pipeline, it protect a deformation of pipeline. In order to reduce an influence from the wind and protect the equipment from shaking, the limited type is generally adopted.
5	Hanger		The spring or rubber hanger hangs on the pipes or any suspended units. There is rubber or spring hanger, or combined hanger. It's installed to maintain a movement of 20 to 35 degree.
6	Horizontal Thrust Restraints		It is installed to protect a horizontal movement of the equipments like AHU or Fan.
A	Direct Isolation		This mount is used in case that the equipment has a simple structure or rigidity and so the additional mass support is not required. It is good for the large scaled chiller package AHU, air-cooled condenser and the likes. It can be combined with Structural base(type B) or Concrete inertia base(type C) for consolidation purpose.
B	Structural Base		This base is used in case that the equipment can not be supported by only the vibration isolator or the regular arrangement is required like FAN. It can be combined with rubber type mount or spring mount. It should have an enough rigidity so as to maintain the force while startup and normal operation. This base is rectangular type and its height should be 1/100 high of the distance between the isolators. Its minimum height is 100mm.
C	Concrete Base		Reinforced concrete is filled up Inside the base. It's consisted of brackets to connect the isolator and metal frame of rectangular type. It has to maintain an enough rigidity. Its height should be 1/10 high of the distance between the isolators and its minimum height is 150mm. No need to be over 300mm height unless any special mass or rigidity, or regular arrangements is required.

SMA Type

Use

- Vibration Isolation for the pump with the inertia base(stage volute, multi-stage volute type, turbine type and double-suction type, etc.)
- Most of the equipments which have no horizontal vibration

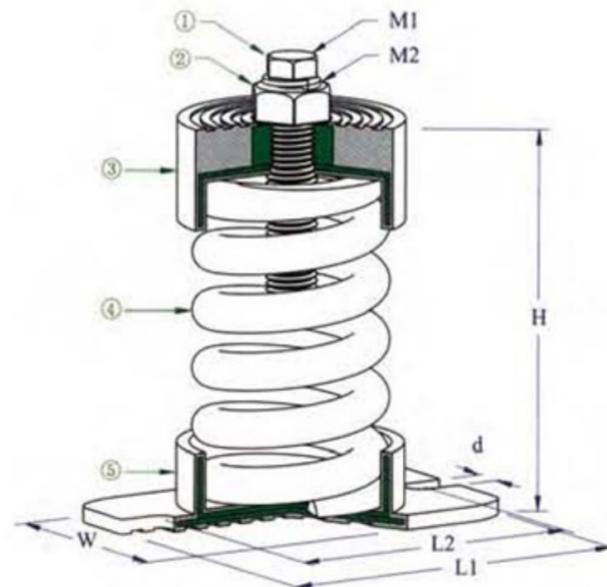
Feature

- Anti-corrosion with rubber coated cap and base plate
- Open type spring mount to verify the deflection
- Double screw bolt type to make a leveling easy
- Easy to install due to compact size



Structure

- ① Adjustment bolt
- ② Leveling bolt
- ③ Cap
- ④ Coil spring
- ⑤ Base plate



Specification

Model	Operating Load		Defl. (mm)	Spring Constant		Spring Color	Dimension (mm)						
	N	Kgf		N/mm	Kgf/mm		H	W	L1	L2	M1	M2	d
SMA-50	490	50	25	19.6	2	Green	100	58	98	83	M10	M16	ø 9
SMA-100	980	100	25	39.2	4	White							
SMA-150	1,470	150	25	58.8	6	Red	130	72	130	100	M12	M20	ø 13
SMA-200	1,960	200	25	78.4	8	Yellow							
SMA-300	2,940	300	25	117.6	12	Orange							
SMA-500	4,900	500	25	196.0	20	Blue	160	90	150	120	M12	M20	ø 13
SMA-750	7,350	750	25	294.0	30	Black							
SMA-1000	9,800	1,000	25	392.0	40	White							

SMB Type

Use

- Blower, Power Generator
- Chiller, Compressor
- Air Handling Unit, Pump

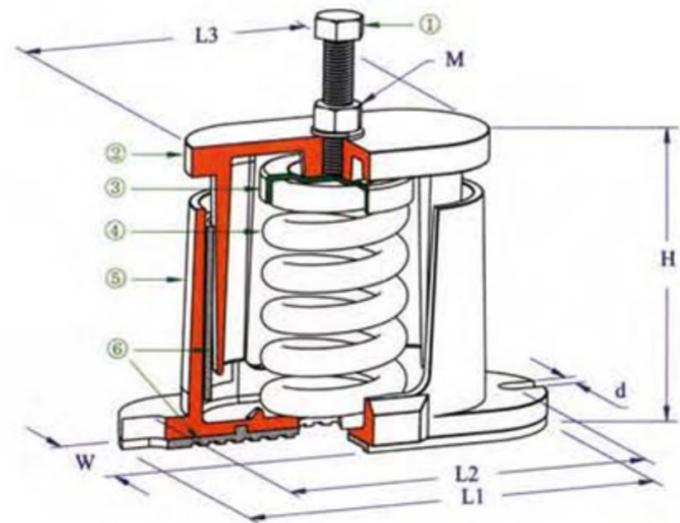
Feature

- Soft rubber pad installed between upper case and base housing to minimize the friction noise and vibration transmission caused by horizontal force
- Easy leveling by adjustment bolt
- Prevent the solid-borne noise transmitted to the floor by neoprene pad underneath a base plate



Structure

- ① Adjustment bolt & Nut
- ② Upper housing
- ③ Spring cap
- ④ Coil spring
- ⑤ Base housing
- ⑥ Non-skid acoustical neoprene pad



Specification

Model	Operating Load		Defl. (mm)	Spring Constant		Spring Color	Dimension (mm)						
	N	Kgf		N/mm	Kgf/mm		H	W	L1	L2	L3	M	d
SMB-50	490	50	25	19.6	2	Green	100	64	144	126	100	M10	∅ 10
SMB-100	980	100	25	39.2	4	White	100	64	144	126	100	M10	∅ 10
SMB-150	1,470	150	25	58.8	6	Red	135	85	208	180	150	M12	∅ 12
SMB-200	1,960	200	25	78.4	8	Yellow	135	85	208	180	150	M12	∅ 12
SMB-300	2,940	300	25	117.6	12	Orange	135	85	208	180	150	M12	∅ 12
SMB-500	4,900	500	25	196.0	20	Blue	170	105	241	208	170	M16	∅ 12
SMB-750	7,350	750	25	294.0	30	Black	170	105	241	208	170	M16	∅ 12
SMB-1000	9,800	1,000	25	392.0	40	White	170	105	241	208	170	M16	∅ 12
SMB-1500	14,700	1,500	25	588.0	60	Black	177	105	320	282	246	M16	∅ 12
SMB-2000	19,600	2,000	25	784.0	80	White	177	105	320	282	246	M16	∅ 12

YJSB-2 Type

Use

- AHU (Vertical, Horizontal, Combination, Compact, Module type)
- Pump installed to the intermediate storey
- Blower and Cooling Tower

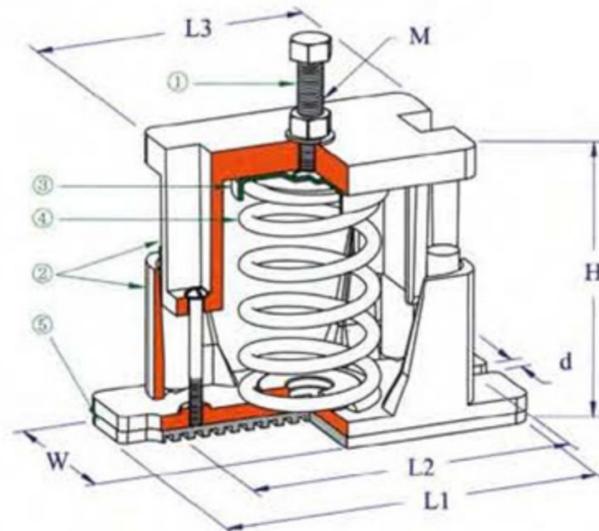
Feature

- Higher vibration isolation efficiency due to low natural frequency with static deflection of 50mm (minimum natural frequency of 2.3Hz)
- Rubber rod between upper and base housing installed to prevent a transmission of horizontal force
- 60% compressed factory setting for easy leveling
- Combined upper and base housing for easy handling



Structure

- ① Leveling bolt and nut
- ② Upper and base housing (Engineering plastic up to 70kg and Casting iron from 100kg)
- ③ Spring cap
- ④ Coil spring
- ⑤ Non-skid acoustical neoprene pad



Specification

Model	Operating Load		Defl. (mm)	Spring Constant		Spring Color	Dimension (mm)						
	N	Kgf		N/mm	Kgf/mm		H	W	L1	L2	L3	M	d
YJSB-2-30	294	30	50	5.9	0.6	Orange	132	80	195	162	130	M12	ø 14
YJSB-2-45	441	45	50	8.8	0.9	Blue							
YJSB-2-70	686	70	50	13.7	1.4	Black							
YJSB-2-100	980	100	50	19.6	2.0	White	175	115	253	215	182	M16	ø 14
YJSB-2-150	1,470	150	50	29.4	3.0	Red							
YJSB-2-200	1,960	200	50	39.2	4.0	Yellow							
YJSB-2-300	2,940	300	50	58.8	6.0	Orange							
YJSB-2-400	3,920	400	50	78.4	8.0	Pink							
YJSB-2-500	4,900	500	50	98.0	10.0	Blue							
YJSB-2-600	5,880	600	50	117.6	12.0	Green							
YJSB-2-750	7,350	750	50	147.0	15.0	Black							
YJSB-2-1000	9,800	1,000	50	196.0	20.0	White							
YJSB-2-1300	12,740	1,300	50	254.8	26.0	Red							

YJSC Type

Use

- AHU (Vertical, Horizontal, Combination, Compact, Module type)
- Pump installed to the intermediate storey
- Blower

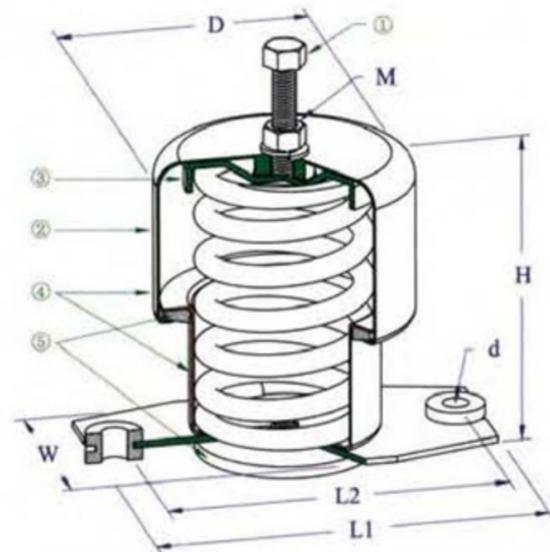
Feature

- Rubber pad between upper and base housing installed to prevent a transmission of horizontal force
- 60% compressed factory setting for easy leveling
- Deep drawing processed housing
- Light weight and easy handling and installation



Structure

- ① Leveling bolt and nut
- ② Upper and base housing
- ③ Spring cap
- ④ Coil spring
- ⑤ Neoprene acoustical pad



Specification

Model	Operating Load		Defl. (mm)	Spring Constant		Dimension (mm)						
	N	Kgf		N/mm	Kgf/mm	H	W	L1	L2	D	M	d
YJSC-12	117.6	12	50	2.4	0.24	105	75	160	140	ø 106	M12	ø 13
YJSC-20	196	20	50	3.9	0.4							
YJSC-30	294	30	50	5.9	0.6							
YJSC-45	441	45	50	8.8	0.9							
YJSC-70	686	70	50	13.7	1.4							
YJSC-100	980	100	50	19.6	2.0	140	100	200	170	ø 130	M12	ø 13
YJSC-150	1,470	150	50	29.4	3.0							
YJSC-200	1,960	200	50	39.2	4.0							
YJSC-300	2,940	300	50	58.8	6.0							
YJSC-400	3,920	400	50	78.4	8.0							

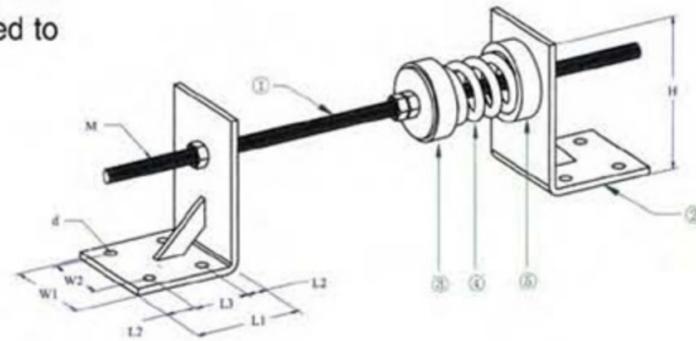
YTR/2YTR Type

Use

- Thrust restraint for Blower and AHU
- Thrust restraint for Axial fan
- Absorbing horizontal force on canvas portion of module type AHU

Feature

- The repulsive force occurred by discharging pressure when start-up of fan makes a horizontal force. In case that this force exceeds 5 to 7% of the equipment weight, a lifespan of the equipment would be reduced and it makes a damage on the portion of flexible joint due to the repulsive force on the joint. Accordingly the Thrust Restraint has to be installed to absorb this kind of horizontal force.



Structure

- ① Shaft bolt & leveling nut
- ② Bracket
- ③ Spring cap
- ④ Coil spring
- ⑤ Spring cup

Specification

Model	Operating Load		Defl. (mm)	Spring Constant		Spring Color	Dimension (mm)															
	N	Kgf		N/mm	Kgf/mm		H	W1	W2	L1	L2	L3	M	d								
YTR-30	294	30	25	11.8	1.2	Orange	130	90	60	100	25	50	M12	ø 10								
YTR-45	441	45	25	17.6	1.8	Blue																
YTR-70	686	70	25	27.4	2.8	Black																
YTR-100	980	100	25	39.2	4	White																
YTR-150	1,470	150	25	58.8	6	Red																
YTR-200	1,960	200	25	78.4	8	Yellow																
YTR-300	2,940	300	25	117.6	12	Orange																
YTR-400	3,920	400	25	156.8	16	Pink																
YTR-500	4,900	500	25	196.0	20	Blue																
YTR-600	5,880	600	25	235.2	24	Green																
YTR-750	7,350	750	25	294.0	30	Black	130	90	60	100	25	50	M16	ø 10								
YTR-1000	9,800	1,000	25	392.0	40	White																
YTR-1300	12,740	1,300	25	509.6	52	Red																
2YTR-30	294	30	50	5.9	0.6	Orange									130	110	70	130	30	70	M12	ø 13
2YTR-45	441	45	50	8.8	0.9	Blue																
2YTR-70	686	70	50	13.7	1.4	Black																
2YTR-100	980	100	50	19.6	2	White																
2YTR-150	1,470	150	50	29.4	3	Red																
2YTR-200	1,960	200	50	39.2	4	Yellow																
2YTR-300	2,940	300	50	58.8	6	Orange																
2YTR-400	3,920	400	50	78.4	8	Pink																
2YTR-500	4,900	500	50	98.0	10	Blue																
2YTR-600	5,880	600	50	117.6	12	Green																
2YTR-750	7,350	750	50	147.0	15	Black	130	110	70	130	30	70	M16	ø 13								
2YTR-1000	9,800	1,000	50	196.0	20	White																
2YTR-1300	12,740	1,300	50	254.8	26	Red																

YLM Type

Use

- Cooling Tower (Round, Cross flow type)
- Reciprocating and Turbo Chiller

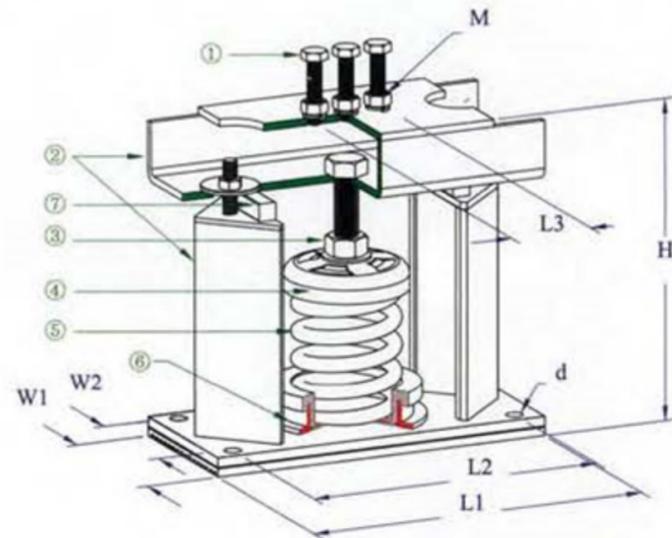
Feature

- Higher efficiency of vibration isolation with low natural frequency
- 60% compressed factory setting for easy leveling
- Wide range of deflection covering up to 4 inch
- Stopper bolt makes the system safer from the vertical and horizontal vibration



Structure

- ① Adjustment bolt & nut
- ② Upper and base housing
- ③ Leveling bolt
- ④ Spring cap
- ⑤ Coil spring
- ⑥ Spring cup & neoprene pad
- ⑦ Spacer (engineering plastic)



Specification

Model	Operating Load		Defl. (mm)	Spring Constant		Spring Color	Dimension (mm)							
	N	Kgf		N/mm	Kgf/mm		H	W1	W2	L1	L2	L3	M	d
YLM-204	1,960	200	50	39.2	4.0	Yellow	235	145	115	240	210	-	M12	ø 14
YLM-205	2,450	250	50	49.0	5.0	Green								
YLM-206	2,940	300	50	58.8	6.0	Orange								
YLM-207	3,430	350	50	68.6	7.0	Red								
YLM-208	3,920	400	50	78.4	8.0	Pink								
YLM-209	4,900	500	50	98.0	10	Blue								
YLM-210	5,880	600	50	117.6	12	Green								
YLM-211	7,350	750	50	147.0	15	Black	250	150	120	270	230	60	M12	ø 14
YLM-212	9,800	1,000	50	196.0	20	White								
YLM-213	12,740	1,300	50	254.8	26	Red								
YLM-214	17,640	1,800	50	352.8	36	Yellow								
YLM-215	24,500	2,500	50	490.0	50	Orange								
YLM-216	32,340	3,300	50	646.8	66	Pink								
YLM-217	42,140	4,300	50	842.8	86	Blue								

YLM Type

■ 75mm (3 inch) deflection

Model	Operating Load		Defl. (mm)	Spring Constant		Spring Color	Dimension (mm)							
	N	Kgf		N/mm	Kgf/mm		H	W1	W2	L1	L2	L3	M	d
YLM-304	1,960	200	75	26.5	2.7	Yellow	235	145	115	240	210	-	M12	ø 14
YLM-305	2,450	250	75	32.3	3.3	Gray								
YLM-306	2,940	300	75	39.2	4.0	Orange								
YLM-307	3,430	350	75	46.1	4.7	Red								
YLM-308	3,920	400	75	51.9	5.3	Pink	250	150	120	270	230	60	M12	ø 14
YLM-309	4,900	500	75	65.7	6.7	Blue								
YLM-310	5,880	600	75	78.4	8.0	Green								
YLM-311	7,350	750	75	98.0	10	Black								
YLM-312	9,800	1,000	75	127.4	13	White								
YLM-313	12,740	1,300	75	166.6	17	Red	355	220	185	360	310	76	M16	ø 18
YLM-314	17,640	1,800	75	235.2	24	Yellow								
YLM-315	24,500	2,500	75	323.4	33	Orange								
YLM-316	32,340	3,300	75	431.2	44	Pink								
YLM-317	42,140	4,300	75	558.6	57	Blue								

YJS-150F Type

■ Use

- Inertia base for pump and Blower

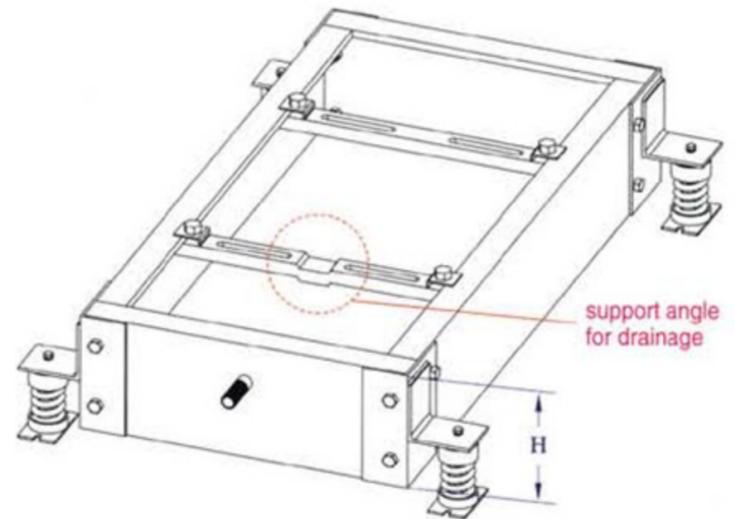
■ Feature

- Inertia foundation for pump and blower in order to isolate the vibration transmission effectively
- Stiffness enough to support the heavy equipment
- Low elastic center of gravity and it minimizes a rolling effect
- Minimize an eccentric load of equipment
- Power coating and anti-corrosive body
- Drainage support angle bar



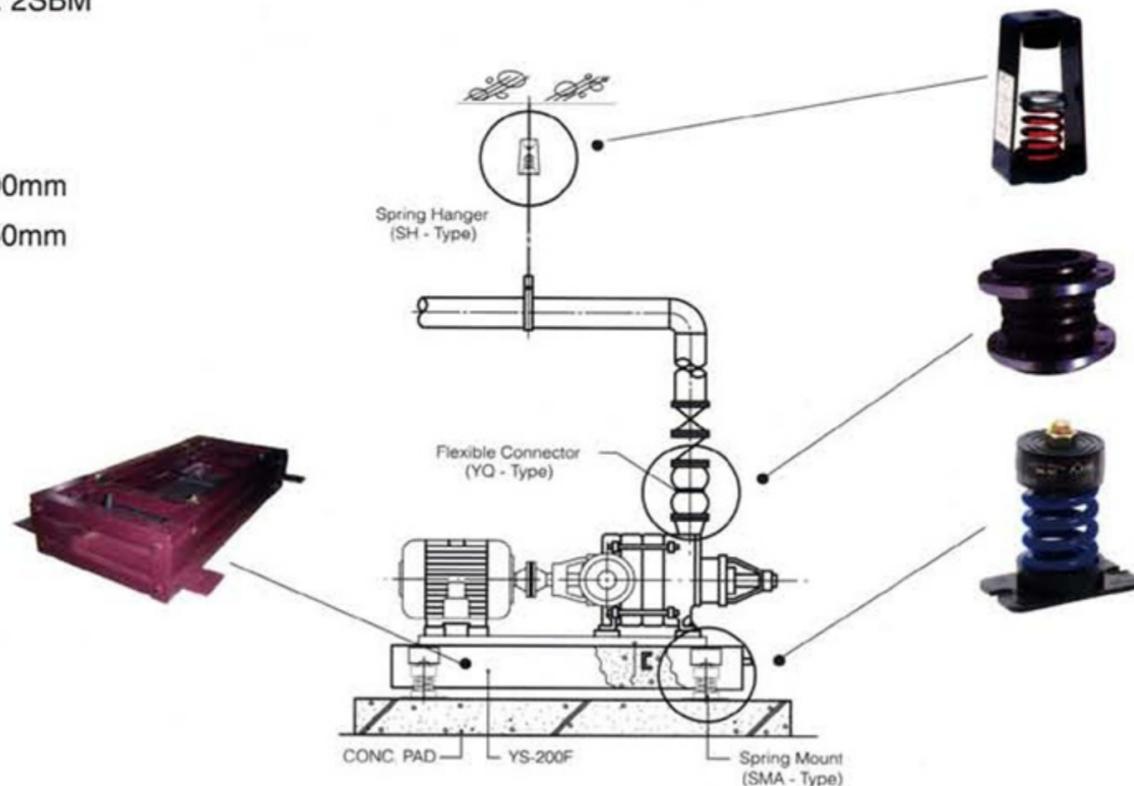
■ Structure

- ① Steel box for concreting
- ② Bracket for spring mount
- ③ Support angle for fixing the equipment
- ④ Drainage
- ⑤ Spring mount
 - YSA Type : SMA
 - YSB Type : SMB
 - YS1 Type : SBM
 - YS2 Type : 2SBM



■ Hight(H)

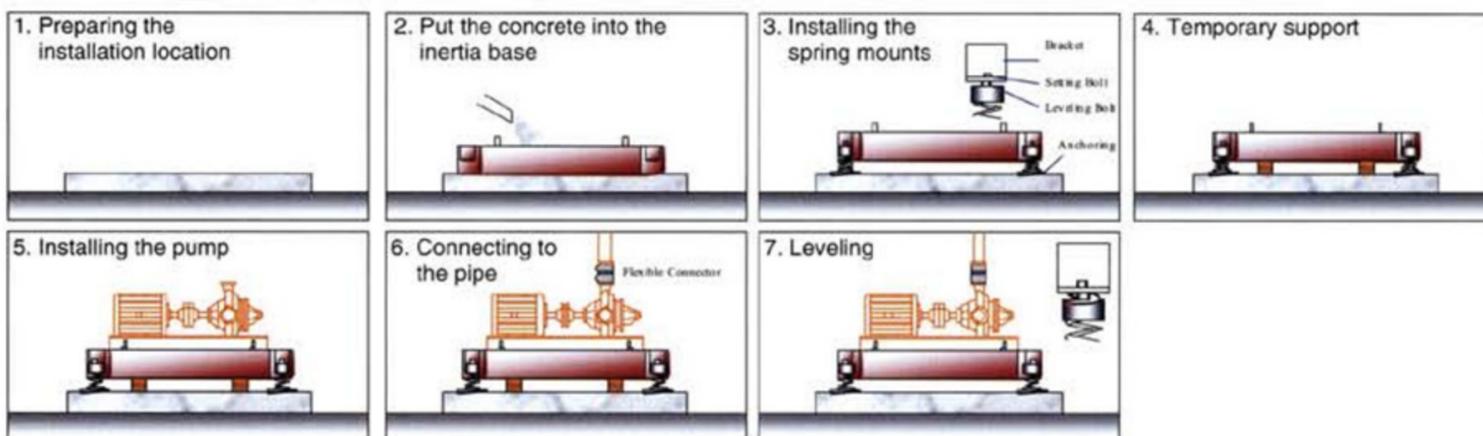
- YS-200F : 200mm
- YS-150F : 150mm



Inertia base—installation

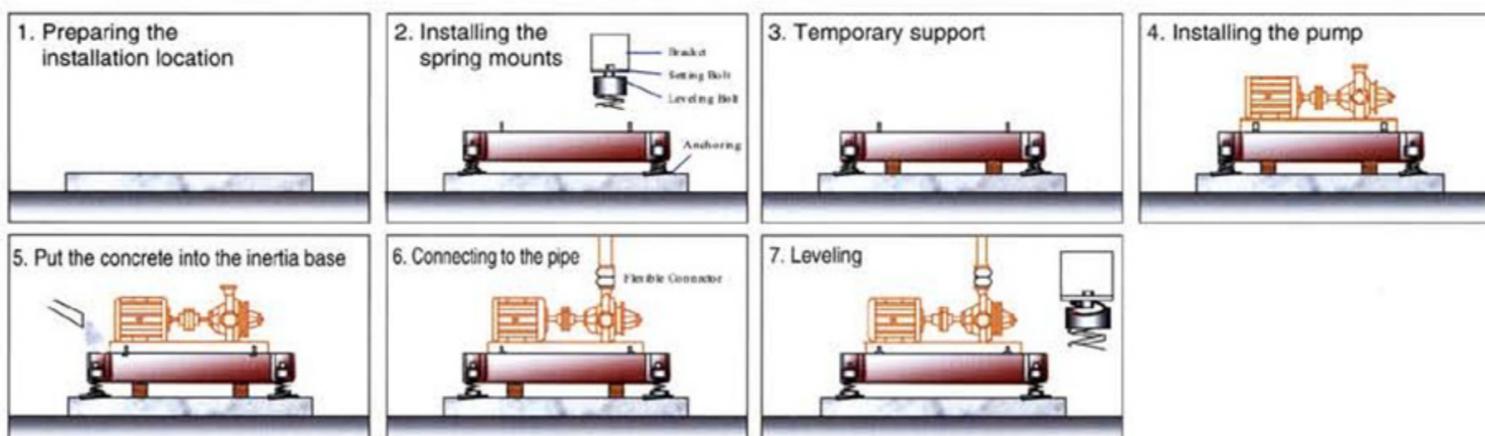
Installation method 1

1. Setting up the concrete foundation for the inertia base
2. Arrange the hole position of support angle exactly to fit with pump and put the set anchor or bolt. And put the concrete into the inertia base
3. After the concrete hardened, fabricate the spring mount with bracket. And anchoring the spring mount to the concrete foundation by set bolt or anchor bolt
4. Put the temporary support of about 40mm under the inertia base not to forced to spring mounts
5. Install the pump on the inertia base and fastening the anchor bolt
6. Put the flexible connector between the pump and pipe. Support for pipe elbow should be installed on the inertia base.
7. Carefully lifting the inertia base by adjusting leveling bolt of spring mount under the water pressure. Remove the temporary support and adjust a level exactly. Fasten the setting bolt to bracket after leveling



Installation method 2

1. Setting up the concrete foundation for the inertia base
2. Assemble the spring mount with bracket and anchor the spring mount to the concrete foundation by set bolt or anchor bolt
3. Put the temporary support of about 40mm under the inertia base not to forced to spring mounts
4. Install the pump on the inertia base and fastening the anchor bolt
5. Put the concrete into the inertia base and maintain the temporary support until the concrete is hardened completely
6. Put the flexible connector between the pump and pipe. Support for pipe elbow should be installed on the inertia base.
7. Carefully lifting the inertia base by adjusting leveling bolt of spring mount under the water pressure. Remove the temporary support and adjust a level exactly. Fasten the setting bolt to bracket after leveling



Caution during installation

1. If the inertia base is supported by only the spring mounts before the concrete hardened, the inertia base could be deformed. Accordingly the inertia base should be supported by the temporary support until the concrete is hardened and remove the support after the installation completed.
2. In order to protect the pipe from the water pressure, the flexible connector and spring hanger have to be installed necessarily.

YSM/YDM/YEM Type

Use

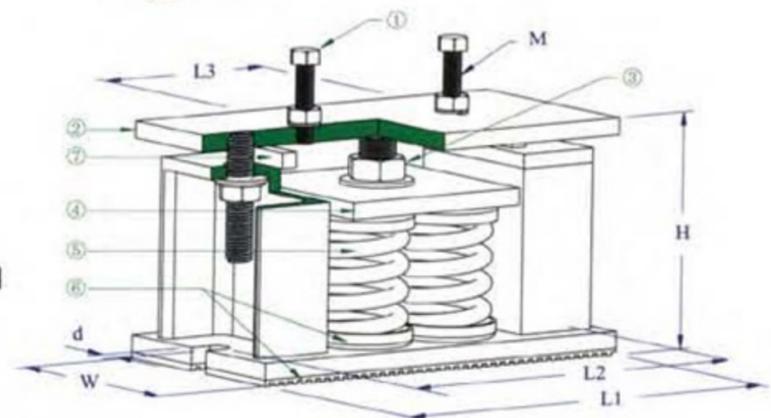
- For Horizontal piping
- Large capacity Chiller
- Large industrial equipment
- Cooling Tower

Feature

- Upper and base plate made of steel, SS400, can be welded to install
- Protect the equipment and pipeline from a damage or deformation by restriction of deflection caused by the load increase of the equipment and its structure
- 60% compressed factory setting for easy leveling

Structure

- ① Adjustment bolt & nut
- ② Upper and base housing
- ③ Leveling nut
- ④ Spring cap
- ⑤ Coil spring
- ⑥ Base plate and non-skid acoustical neoprene pad
- ⑦ Spacer (engineering plastic)



Specification

Model	Operating Load		Defl. (mm)	Spring Constant		Spring Color	Dimension (mm)													
	N	Kgf		N/mm	Kgf/mm		H	W	L1	L2	L3	M	d							
YSM-100	980	100	25	39.2	4	White	178	90	240	210	70	M12	ø 14							
YSM-150	1,470	150	25	58.8	6	Red														
YSM-200	1,960	200	25	78.4	8	Yellow														
YSM-300	2,940	300	25	117.6	12	Orange														
YSM-400	3,920	400	25	156.8	16	Pink														
YSM-500	4,900	500	25	196.0	20	Blue														
YSM-600	5,880	600	25	235.2	24	Green														
YSM-750	7,350	750	25	294.0	30	Black														
YSM-1000	9,800	1,000	25	392.0	40	White														
YSM-1300	12,740	1,300	25	509.6	52	Red														
YDM-1000	9,800	1,000	25	392	40	Blue								208	115	370	334	180	M16	ø 18
YDM-1500	14,700	1,500	25	588	60	Black														
YDM-2000	19,600	2,000	25	784	80	White														
YEM-800	7,840	800	25	313.6	32	White	158	160	280	250	120	M12	ø 14							
YEM-1200	11,760	1,200	25	470.4	48	Orange														
YEM-3000	29,400	3,000	25	1,176.0	120	Black														
YEM-4000	39,200	4,000	25	1,568.0	160	White														

*SSM : One spring inside housing, SDM : Two springs inside housing, SEM : Four springs inside housing

YSB Type

Use

- Large scaled Chiller
- Large scaled industrial equipment like forging machine, Transformer, Power Generator, etc.)
- Cooling Tower (Round or Cross flow type)

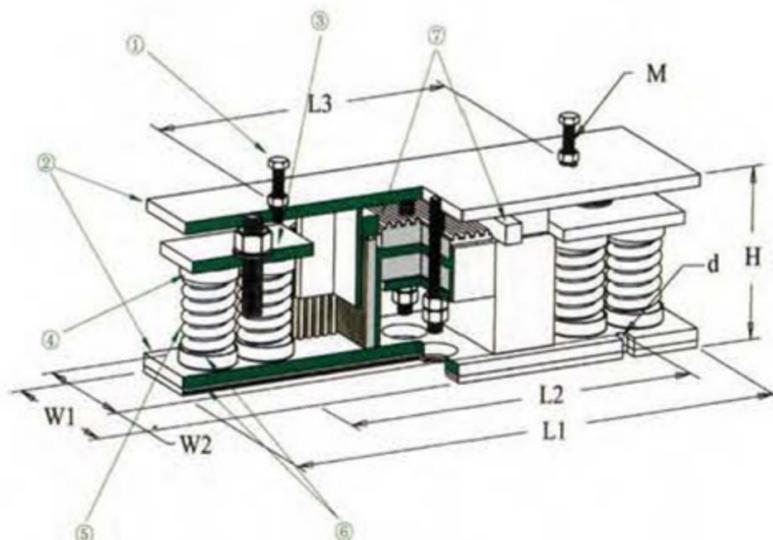


Feature

- Upper and base plate made of steel, SS400, can be welded to install
- Protect the equipment and pipeline from a damage or deformation by restriction of deflection caused by the load increase of the equipment and its structure
- 60% compressed factory setting for easy leveling

Structure

- ① Adjustment bolt & nut
- ② Upper and base housing
- ③ Leveling nut
- ④ Spring cap
- ⑤ Coil spring
- ⑥ Base plate and non-skid acoustical neoprene pad
- ⑦ Spacer



Specification

Model	Operating Load		Defl. (mm)	Spring Constant		Spring Color	Dimension (mm)							
	N	Kgf		N/mm	Kgf/mm		H	W1	W2	L1	L2	L3	M	d
YSB-8-800	7,840	800	25	313.6	32	White	186	180	150	590	420	390	M16	ø 14
YSB-8-1200	11,760	1,200	25	470.4	48	Red								
YSB-8-1600	15,680	1,600	25	627.2	64	Yellow								
YSB-8-2400	23,520	2,400	25	940.8	96	Orange								
YSB-8-4000	39,200	4,000	25	1,568.0	160	Blue	234	220	180	670	460	380	M20	ø 22
YSB-8-6000	58,800	6,000	25	2,352.0	240	Black								
YSB-8-8000	78,400	8,000	25	3,136.0	320	White	262	350	280	890	660	450	M24	ø 25
YSB-18-8000	88,200	9,000	25	3,528.0	360	Blue								
YSB-18-13500	132,300	13,500	25	5,292.0	540	Black								
YSB-18-18000	176,400	18,000	25	7,056.0	720	White								

*MSB-8 Type : Eight springs inside housing, MSB-18 Type : Eighteen springs inside housing

SH Type

Use

- Inline ductile Fan under the ceiling
- Floating ceiling for anechoic room, broadcasting station
- Ceiling duct or piping in mechanical room

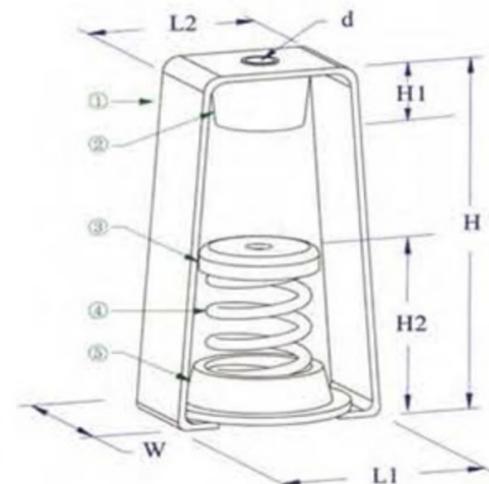


Feature

- Higher isolation efficiency of vibration and noise with coil spring and rubber combined structure
- Affordable Hanger rod angle up to 30°

Structure

- ① Bracket
- ② Rubber mount
- ③ Upper spring cap
- ④ Coil spring
- ⑤ Rubber coated base spring cup



Specification

Model	Operating Load		Defl. (mm)	Spring Constant		Spring Color	Dimension (mm)						
	N	Kgf		N/mm	Kgf/mm		H	W	L1	L2	d	H1	H2
SH-10	98	10	25	3.9	0.4	White							
SH-50	490	50	25	19.6	2.0	Green	155	70	90	60	∅ 13	33	105
SH-100	980	100	25	39.2	4.0	White							
SH-150	1,470	150	25	58.8	6.0	Red							
SH-300	2,940	300	25	117.6	12	Orange	230	100	119	90	∅ 14	44	115
SH-500	4,900	500	25	196.0	20	Blue	244	115	132	100	∅ 19	55	150
YJSH-25	245	25	25	9.8	1.0	Orange							
YJSH-30	294	30	25	11.8	1.2	Orange	150	65	82	65	∅ 13	33	80
YJSH-45	441	45	25	17.7	1.8	Blue							
YJSH-200	1,960	200	25	78.4	8.0	Yellow	180	75	92	70	∅ 14	44	100
YJSH-600	5,880	600	25	235.2	24	Green							
YJSH-750	7,350	750	25	294.0	30	Black	245	95	120	90	∅ 19	55	130
YJSH-1000	9,800	1,000	25	392.0	40	White							

YJSH-W Type

Use

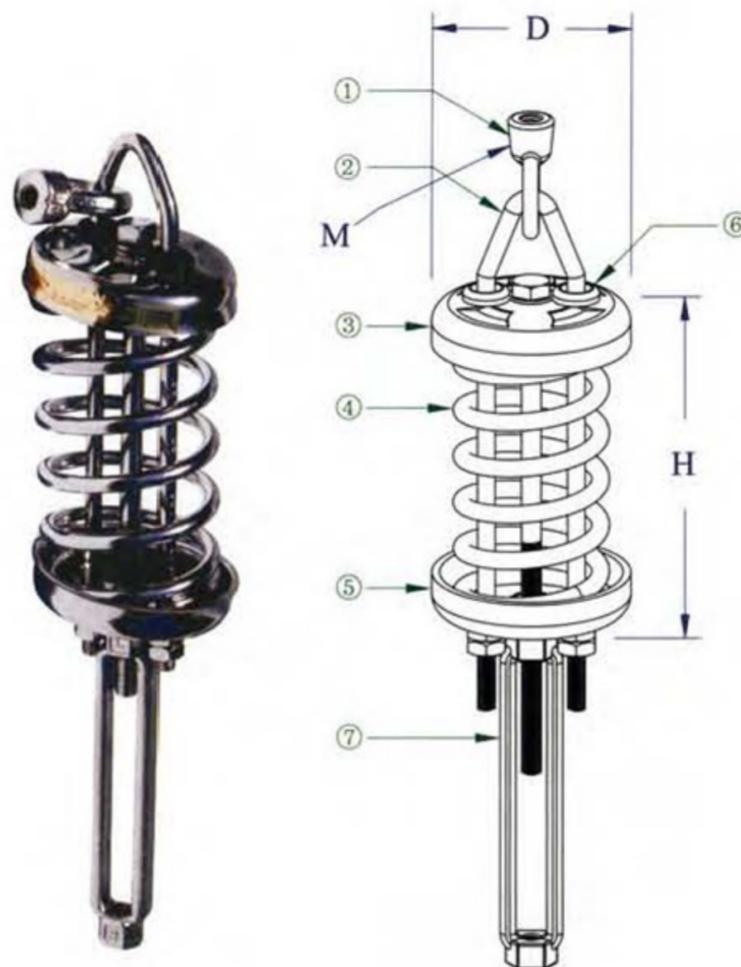
- Inline ductile Fan under the ceiling
- Ceiling duct or piping in mechanical room
- Piping and duct in semiconductor plant

Feature

- Chrome coated body and anti-corrosion
- One united-body and easy to handle and install
- Static deflection of 50mm
- Higher isolation efficiency with low natural frequency (minimum natural frequency : 2.3Hz)
- Free angular rod
- Easy leveling with turn-buckle

Structure

- ① Eye nut
- ② V bolt
- ③ Upper spring cap
- ④ Coil spring
- ⑤ Base spring cup
- ⑥ Rubber bushing & nut
- ⑦ Turn-buckle



Specification

Model	Operating Load		Defl. (mm)	Spring Constant		Spring Color	Dimension (mm)		
	N	Kgf		N/mm	Kgf/mm		H	D	M
YJSH-30	294	30	50	5.9	0.6	Orange	156	75	3/8"
YJSH-45	441	45	50	8.8	0.9	Blue			
YJSH-70	686	70	50	13.7	1.4	Black			
YJSH-100	980	100	50	19.6	2.0	White	198	100	1/2"
YJSH-150	1,470	150	50	29.4	3.0	Red			
YJSH-200	1,960	200	50	39.2	4.0	Yellow			
YJSH-300	2,940	300	50	58.8	6.0	Orange			
YJSH-400	3,920	400	50	78.4	8.0	Pink			
YJSH-500	4,900	500	50	98.0	10.0	Blue	205	110	1/2"
YJSH-600	5,880	600	50	117.6	12.0	Green			
YJSH-750	7,350	750	50	147.0	15.0	Black			
YJSH-1000	9,800	1,000	50	196.0	20.0	White			
YJSH-1300	12,740	1,300	50	254.8	26.0	Red			

YBM Type

Use

- Floating floor for AHU room, mechanical room and studio

Feature

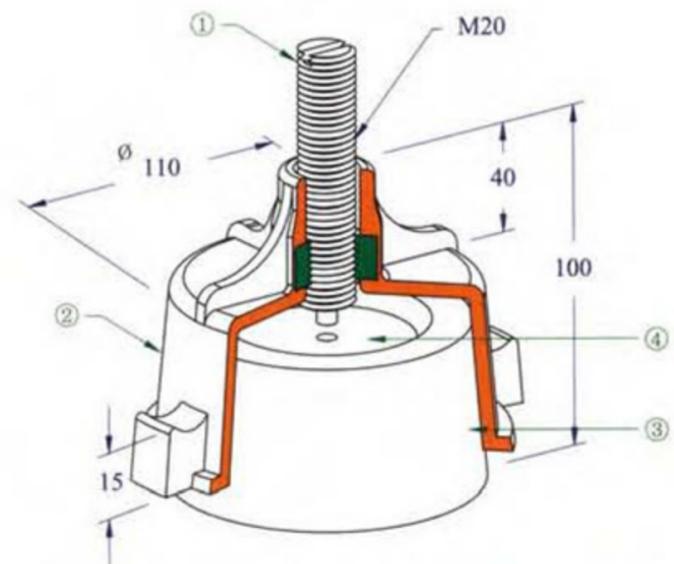
- Making an air gap between the slab and concrete foundation, prevent a noise transmission downward remarkably
- Lightweight housing made of engineering plastic and anti-corrosion



Engineering Plastic

Structure

- ① Leveling bolt and rubber cap
- ② Upper housing (engineering plastic or casting)
- ③ Rubber mount
- ④ Steel loading plate



Installing process



Isopink, Vinyl, and Jackup mount arrangement



Reinforcing bar arrangement



Concreting



Elevation of concrete foundation

Specification

Model	Operating Load					
	3mm deflection		5mm deflection		8mm deflection	
	N	Kgf	N	Kgf	N	Kgf
YBM-A	980	100	1,960	200	3,724	380
YBM-B	1,470	150	2,450	250	3,920	400
YBM-C	2,450	250	3,920	400	6,370	650
YBM-D	4,704	480	7,350	750	11,760	1,200

WIROFLEX

■ Use

- For the equipment requiring much higher isolation efficiency and the stability for dynamic displacement
- The equipment requiring a damping like Pump and Engine
- Mobile equipment like the military devices and the precision equipment inside the container
- High frequency equipment like Electric Transformer
- High precision machining tool
- The equipment requiring Horizontal and Vertical vibration isolation

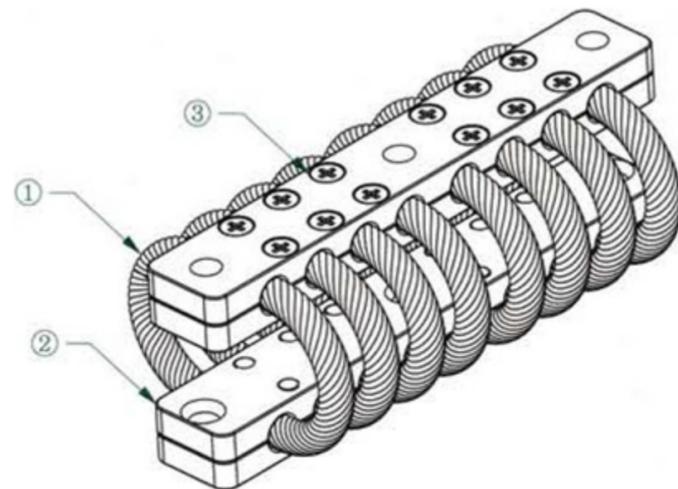
■ Feature

- Absorbing the shock and vibration forces
- Made of stainless steel and anti-corrosion
- Higher damping ratio and then no surging effect
- Minimize the vibration transmission during resonance
- Higher isolation performance for over 100Hz frequency
- Heat-resistive, Ozone free, Anti-corrosive and Oil-resistive

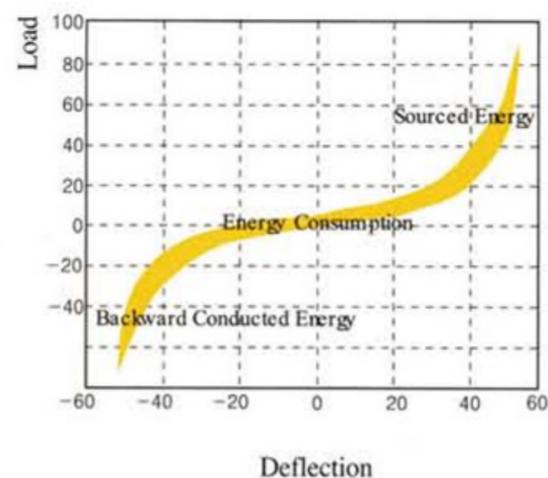
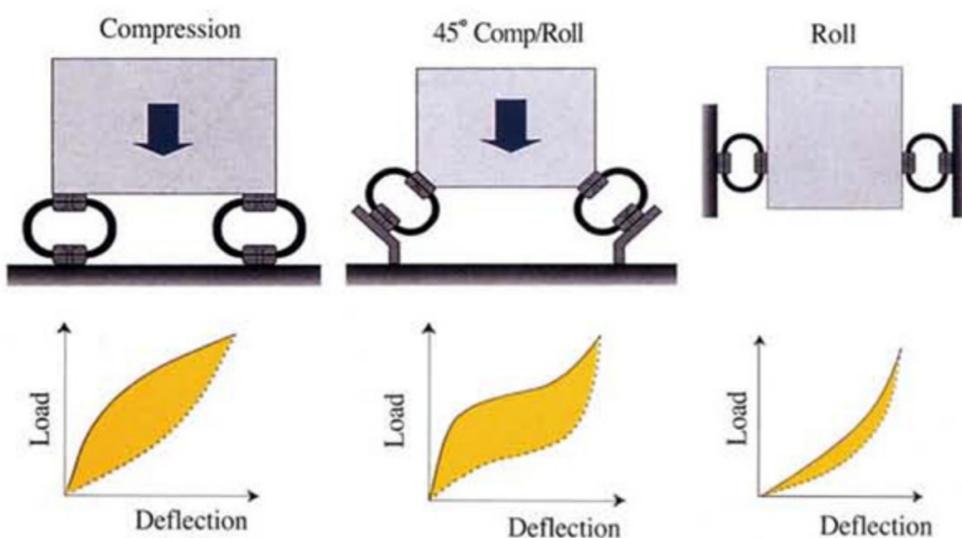


■ Structure

- ① Wire rope : stainless steel (STS316)
- ② Retainer bar : Aluminum Alloy
- ③ Screw : stainless steel (STS304)



■ Load Mode



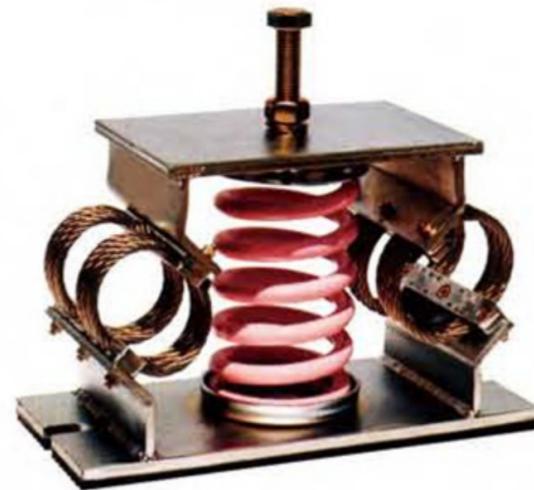
YWF Type

Use

- AHU, Pump
- Equipments requiring shock and vibration isolation at the same time

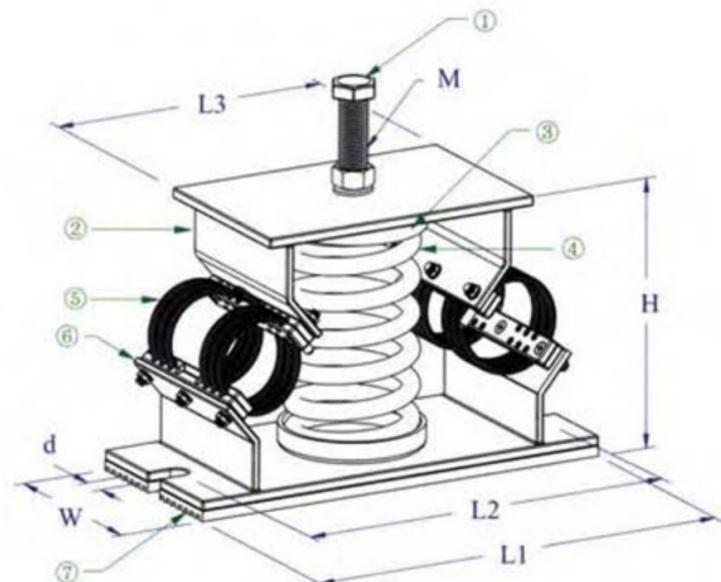
Feature

- Hybrid Isolator combined with spring of elasticity and wire mount for dampiny to increase the vibration isolator efficiency.



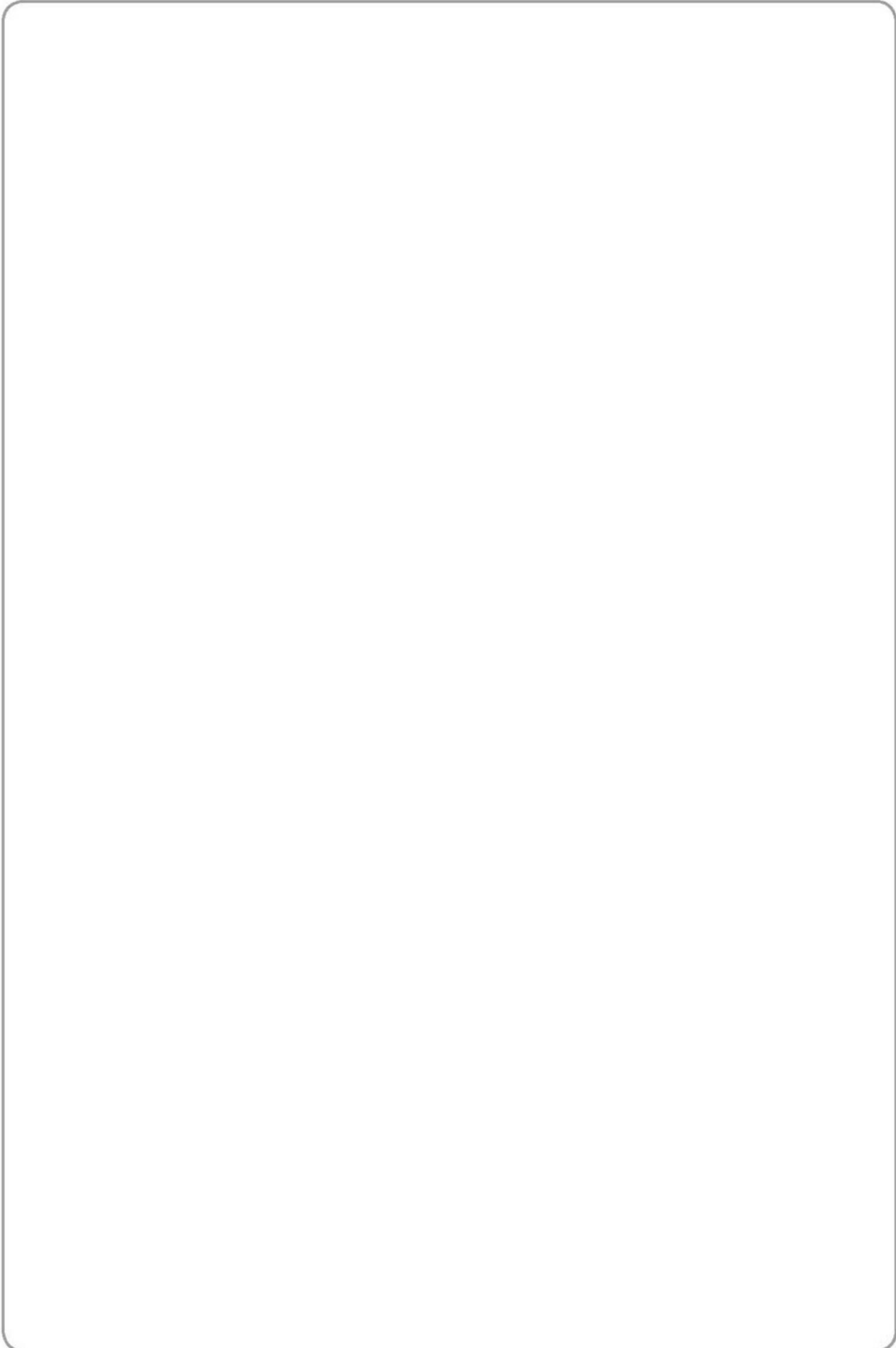
Structure

- ① Leveling Bolt & Nut & Washer
- ② Upper Housing
- ③ Spring Cap
- ④ Coil Spring
- ⑤ Wire Mount
- ⑥ Bas Housing
- ⑦ Neoprene Pad



Specification

Model	Operating Load		Defl. (mm)	Spring Constant		Spring Color	Dimension (mm)						
	N	Kgf		N/mm	Kgf/mm		H	W	L1	L2	L3	M	d
YWF-30	294	30	50	5.9	0.6	Orange	140	100	260	222	160	M12	ø 12
YWF-45	441	45	50	8.8	0.9	Blue							
YWF-70	686	70	50	13.7	1.4	Black							
YWF-100	980	100	50	19.6	2.0	White	190	190	300	264	200	M12	ø 14
YWF-150	1,470	150	50	29.4	3.0	Red							
YWF-200	1,960	200	50	39.2	4.0	Yellow							
YWF-300	2,940	300	50	58.8	6.0	Orange							
YWF-400	3,920	400	50	78.4	8.0	Pink							
YWF-500	4,900	500	50	98.0	10.0	Blue							
YWF-600	5,880	600	50	117.6	12.0	Green							
YWF-750	7,350	750	50	147.0	15.0	Black							
YWF-1000	9,800	1,000	50	196.0	20.0	White							
YWF-1300	12,740	1,300	50	254.8	26.0	Red							





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