OVICTOR 奥维达 | EKD 力科丹普

Wuxi OVICTOR Technology Co., Ltd.

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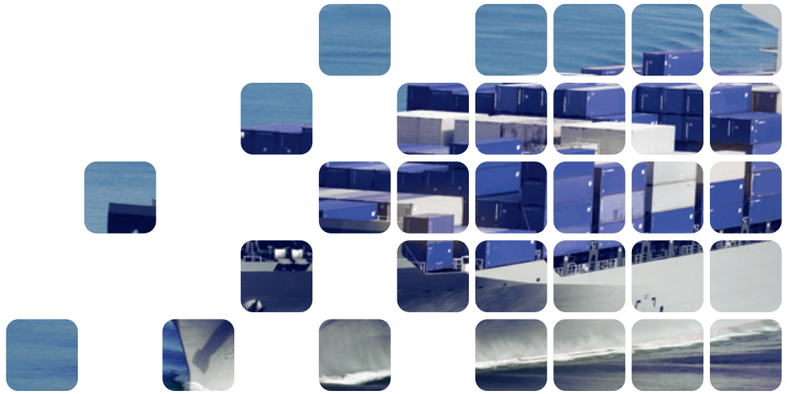


VIBRATION ISOLATOR

Energy Absorption & Vibration Control

OVICTOR 奥维达 | EKD 力科丹普

Table of Contents

Company Overview

Wuxi OVICTOR Technology Co., Ltd., founded in 2000, has served the military and civilian products for more than 20 years. It focuses on the R&D and production of vibration control and noise reduction products, vibration reduction and isolation systems and floating raft isolation systems. With 40 employees, its core team members have deeply explored this industry for more than 15 years and have rich management experience. In August 2019, the Company established a subsidiary company specialized in the market of civilian vibration reduction and isolation products: Jiangsu EKD Machinery Technology Co., Ltd. The Company adheres to the principles of customer-orientation, conscientiousness and honesty to provide the vibration reduction and isolation products and services so that customers can get the greatest satisfaction.

Factory layout

The Company is headquartered in Building 45, The Taihu Lake West Bank Science and Technology Innovation Park, 288 Hubin North Road, Yixing City, Wuxi City, Jiangsu Province. It has 5200m^2 factory area and 1000m^2 office area.

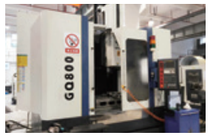
Production equipment

It provides professional vibration reduction and isolation products and solution design, simulation, manufacturing and testing capabilities and supporting processing services of the full product line.
It has rich experience in field implementation. The Company has multiple CNC machining devices, large gantry machining centers and improved upstream and downstream supporting devices, including laser cutting and blanking, various lathes, drilling machine and welding platforms. It can independently complete the whole processing process of various machined parts, structural parts and welded parts to ensure quality and construction period controllable.


Product assembly line


Heavy-duty product assembly table

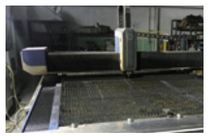

CNC lathe


Horizontal machining center

Horizontal machining center

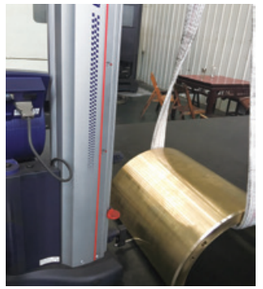
Horizontal machining center


Drilling machine

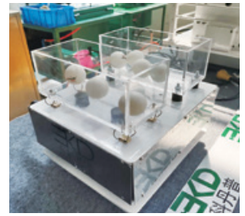

Laser cutter

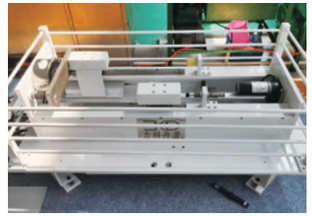

Universal mechanical testing machine

Direct reading spectrometer


Digital altimeter


Damping curve testing machine


Wire-rope vibration isolator testing machine (Self-developed)


Buffer impact tester (Self-developed)


Heavy-duty damper tester (Self-developed)

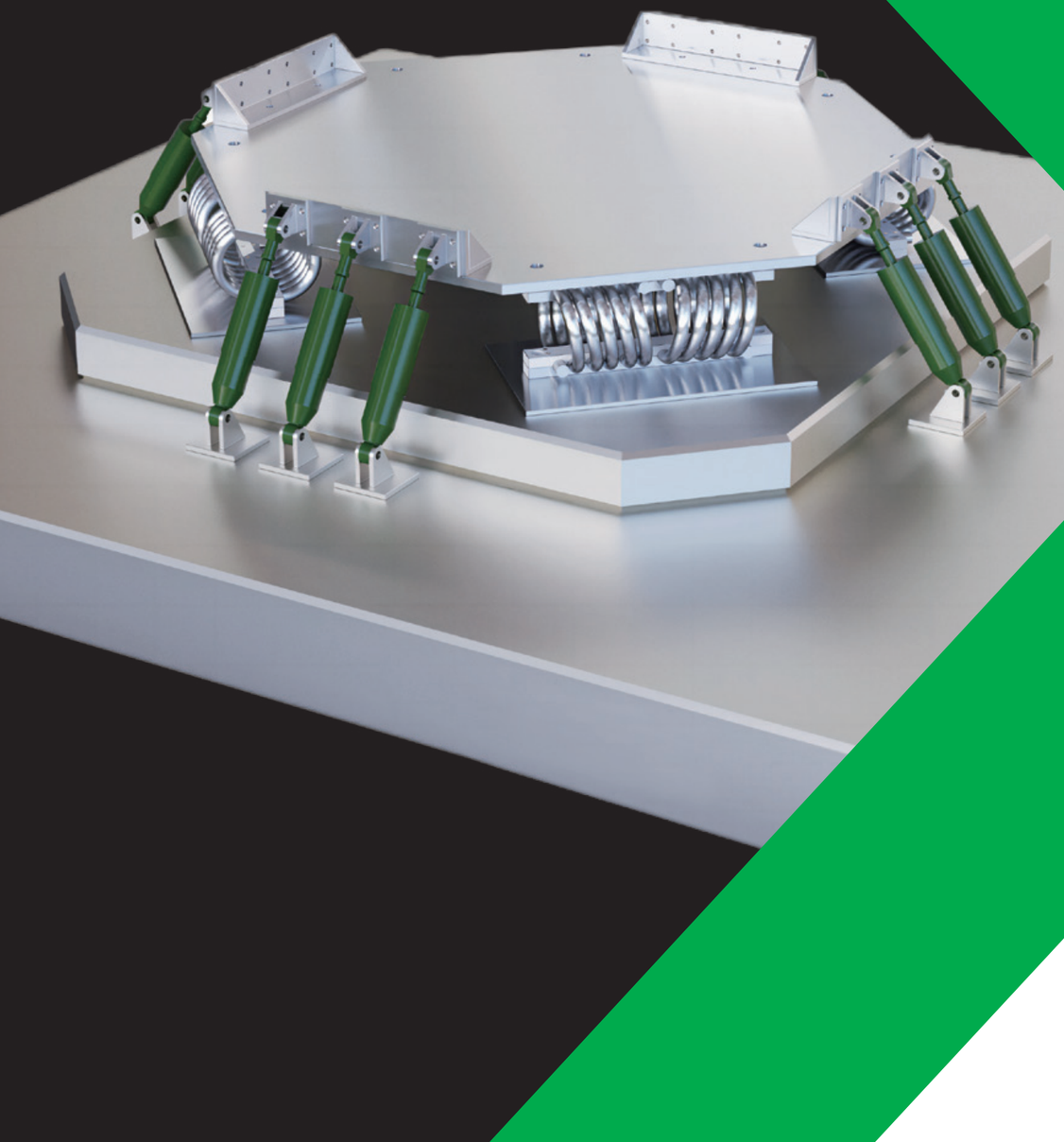

Automatic fatigue testing machine (Self-developed)

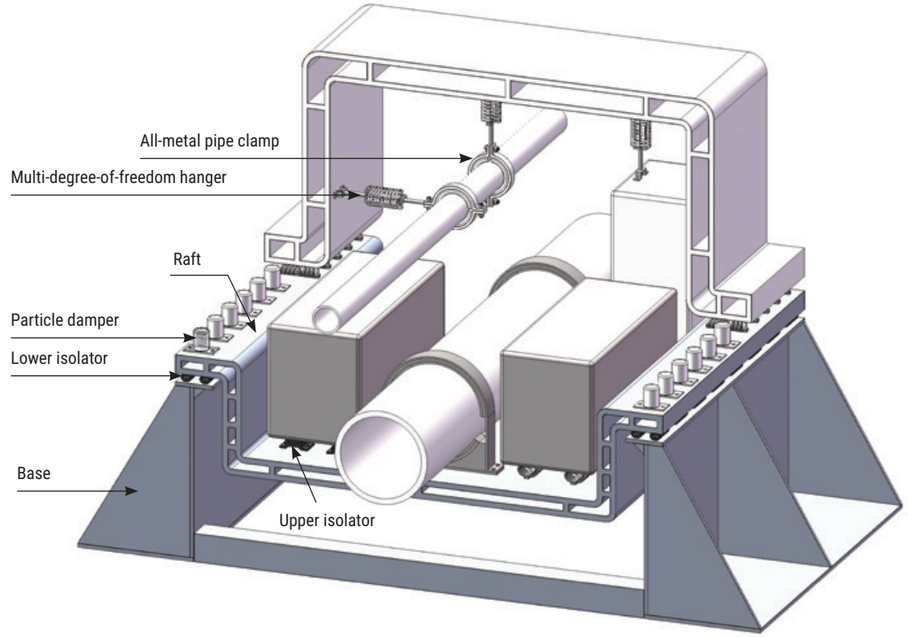

6T vibration test bench

Testing and experimental ability

Various standard detection devices include coordinate measuring machine, digital altimeter, hand-held direct-reading spectroscope, various standard inspection tools and measuring tools as well as many self-developed dedicated test equipment and experimental equipment for vibration reduction and isolation products.

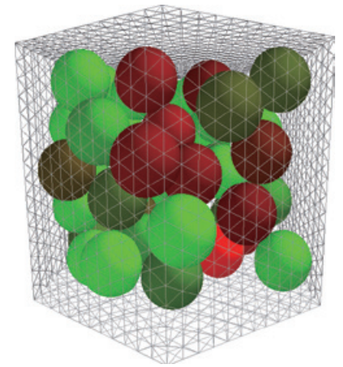
Multiple vibration isolation solutions

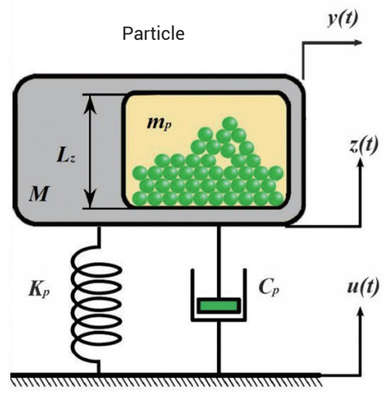


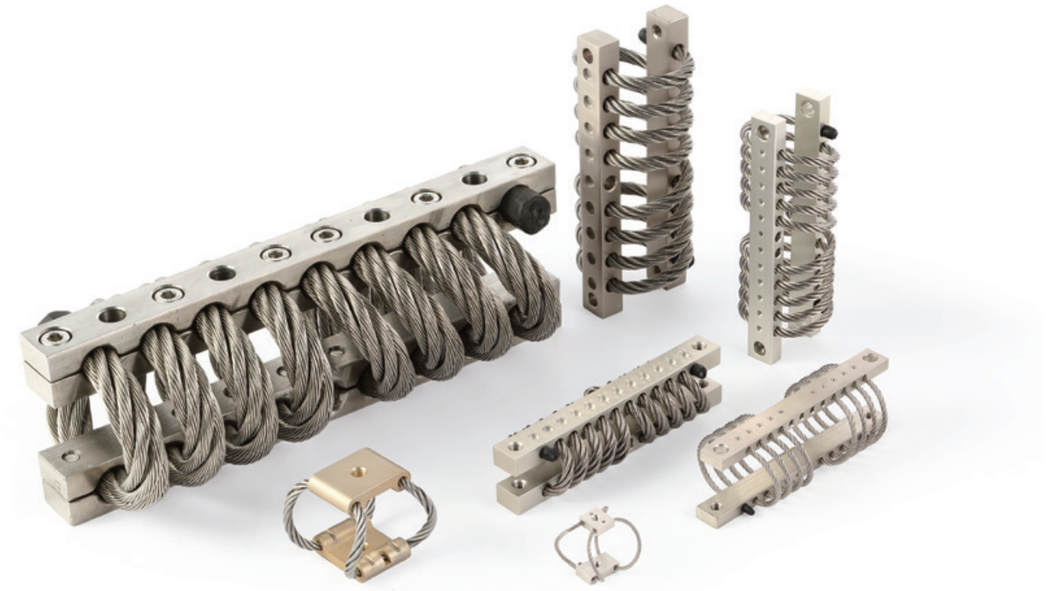


Our company provides various solutions to meet the different applications of customers, including vibration isolation and energy consumption, including:

- Overall design of vibration isolation solutions for various structural forms, including single-layer isolation, multi-layer isolation, and floating raft isolation device design, computer simulation, and manufacturing. Responsible for the entire process of selecting vibration isolation and energy dissipation components of the system, verifying the strength of the structure, conducting modal simulation calculations, and manufacturing and installation with rich implementation experience.
- Design and manufacturing of combined vibration isolation devices: a reasonable combination of various types of vibration isolators and energy dissipation devices (dampers).
- Design, computer simulation, and manufacturing of particle damping devices: utilizing collisions and friction between particles, as well as collisions and friction between particles and cavities, to dissipate vibration energy. The particle damping device can be conveniently designed into various shapes and attached to suitable positions in the structure.







Features and Benefits

Standard Wire Rope Vibration Isolators are comprised of stainless steel stranded cable threaded through aluminum alloy retaining bars that are mounted for effective shock and vibration isolation.

With their corrosion resistant, all metal construction, OVICTOR wire rope vibration isolators are environmentally stable, high-performance shock and vibration isolators that are unaffected by chemicals, oil, ozone, abrasives and temperature extremes.

Specially designed anti-vibration wire rope vibration isolator provides better performance and damping ratio based on clients' requirements, particularly suitable for high bearing capacity requirements and high shock applications. Distortion ratio can be as high as 70-80%. This series products are widely used in civil and military equipments.

Materials and Finishes:

Standard: Wire rope: Stainless steel 302 / 304
Mount bars: Aluminum alloy surface (Anodized)
Hardware: Alloy steel, Zinc Plated
Thread: Stainless Steel Self Clinching Insert(OVTW16-OVTW64 Series),
Threaded Bar(OVTW95-OVTW318 Series)

Special: OVTS Series all stainless steel products / OVTN Series anti-vibration high energy vibration isolators

Isolator Options:

Mounting: OVICTOR offers a full range of mounting combinations of thru hole, countersunk and threaded bars.

Loops: OVICTOR's wire rope vibration isolators can be purchased with the full number of loops, or as few as 2 loops. The number of loops is indicated in the isolator part number. Performance is provided for full loop isolators. Performance for reduced loop isolators can be obtained by a simple ratio.

Bellmouth: OVICTOR's wire rope isolators are available with a "bellmouth" option. The bellmouth feature includes mount bars with radii manufactured into the wire rope hole edges. This option is recommended for high fatigue applications. Add an "R" to the end of the part number.

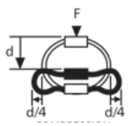
Performance:

Stiffness(KV or KS) :

Wire rope vibration isolators exhibit non-linear stiffness behavior. Small deflections, usually associated with vibration isolation, will have a different spring rate than larger shock deflections. OVICTOR company publishes typical vibration stiffness value(Kv), and average shock stiffness values(Ks) within the catalog. These values can be used with the provided equations listed later to predict system performance. The stiffness values listed in the catalog are for full-loop versions. For reduced loop versions, ratio the stiffness by dividing the number of desired loops by the number of full loops.

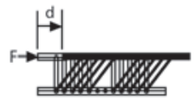
Isolator Axes:

Wire Rope Vibration Isolators are multi-axis vibration isolators. The diagram below includes load axis definitions and deflection considerations.

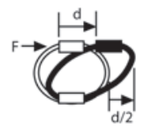


COMPRESSION

45°COMPRESSION/ ROLL



FIXED SHEAR

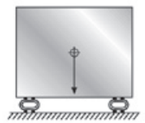


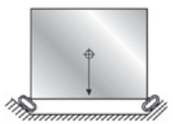
FIXED ROLL

Damping: Typically 5-15%, depending on size and input level. The performance of OVTN Series anti-vibration high energy vibration isolator is significantly improved. For specific damping considerations, please consult OVICTOR company.

Mounting Orientation:

The diagrams below illustrate typical mounting orientations.


COMPRESSION


45°COMPRESSION/ ROLL


FIXED SHEAR

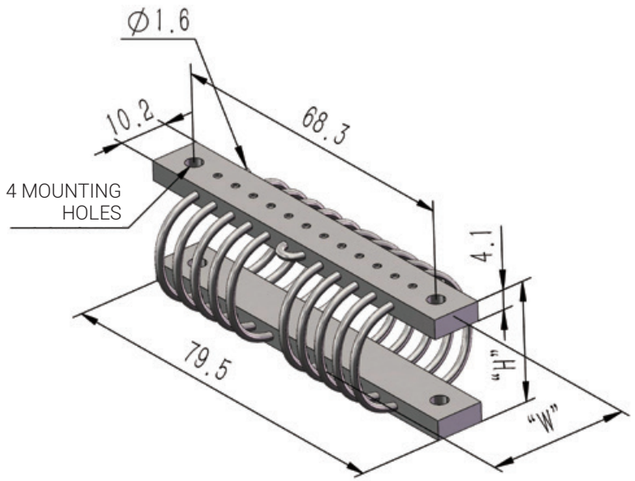

FIXED ROLL

Stabilizer:

Stabilizers are used to control deflections of tall supported masses. Stabilizers are typically recommended when the height equals 2-times the width or depth dimension. In most applications, the quantity of stabilizers required is half as many as the base isolators, and select one size softer than the base isolators. Stabilizers are usually side mounted.

Applications Worksheet

	METRIC
PART I SYSTEM DATA 1. Total Supported Load(W_T): W_T = _____ Kg x 9.81 = _____N 2. Number of Isolators(N): n = _____ 3. Static Load per Isolator(w): $W = \frac{W_T}{n}$ 4. Load Axis: Compression Shear/Roll 45°Compression/ Roll	W= _____N* Load Axis
PART II VIBRATION SIZING 1. Input Excitation Frequency (f_i)= _____Hz = $(\frac{rpm}{60})$ 2. System Response Natural Frequency for 80% isolation $(f_n)= \frac{(f_i)}{30}$ = _____Hz 3. Maximum Isolator Vibration stiffness(Kv): $K_v = \frac{W(2\pi f_n)}{g}$, $g = 9.81\ m/sec^2$ 4. Select an isolator by comparing calculated values with technical data for the desired load axis provided in tables for each isolator. a.) Calculated "W" must be less than the isolator's maximum static load. b.) Isolator's vibration stiffness value must be less than the calculated maximum Kv.	K_V=_____N/m
PART III Shock Sizing: 1. Maximum Allowable Transmitted Acceleration: A_T = _____G's 2. Shock Input Velocity: V = _____m/sec Free Fall Impact: $V = \sqrt{2gh}$, $g = 9.81\ m/sec^2$, h = Drop Height (m) 3. Minimum Isolator Response Deflection: $D_{min} = \frac{V^2}{g(A_T)}$ 4. Maximum Isolator Shock Stiffness: $K_s = \frac{W(V/D_{min})^2}{g}$ 5. Select an isolator by comparing calculated values with technical data for the desired load axis provided in tables for each isolator. a.) Calculated "W" must be less than the isolator's maximum static load. b.) Calculated Dmin must be less than the isolator's maximum deflection. Note: Metric deflections are calculated in meters(m) and technical data is in millimeters(mm). c.) Isolator's shock stiffness must be less than the calculated maximum "Ks". 6. Check actual deflection using "KS" from technical data to ensure that the isolator's deflection is not exceeded. $D_{actual} = \frac{V}{\sqrt{\frac{K_s(\text{Isolator})\,g}{W}}}$ 7. If isolator's maximum deflection is exceeded, select another isolator and repeat Steps 5 and 6.	D_{min}=_____m K_S= _____N/m

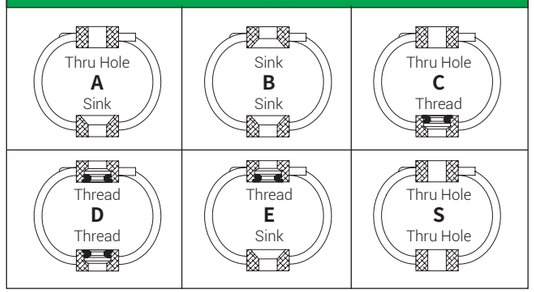


Model	Height ("H") mm		Width("W") mm	Unit Weight Kg	Mounting Options	Thru Hole mm	Thread mm	C' Sink Metric
OVTW16-10	18	± 2	25	0.02	A, B, C, D, E, S	∅4.7±0.2	M4 X 0.7	90°
OVTW16-20	20		28	0.02				
OVTW16-40	25		30	0.03				
OVTW16-60	28		33	0.03				
OVTW16-70	30		36	0.03				
OVTW16-80	33		38	0.03				

Ordering Example

OVTW16 - 40 - 10 D T M
- M — Add "M" for Metric
- T — Threaded Hole Options *[ ] -Flush Self Clinching Threaded Insert [T] -Tapped
- D — Mounting Options See chart
- 10 — Number of Loops 10 (Reduced Number of Loops Available)
- 40 — Isolator Size See Sizing Table

Mounting Options



* Standard characteristics. Delivery time may be postponed for non-standard products.

- Maximum recommended torque for standard threaded insert is 0.7 Nm.
- Operating Temperature Range: -100°C~260°C

Compression

Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTW16-10-10	47	8.6	36	22
OVTW16-20-10	36	9.7	25	16
OVTW16-40-10	31	14.7	17	8.8
OVTW16-60-10	27	17.8	12	6.1
OVTW16-70-10	22	18.8	11	5.3
OVTW16-80-10	20	21.8	7.9	3.9

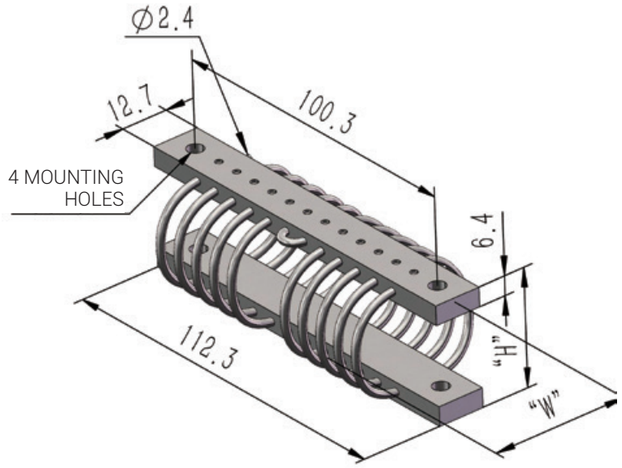
45° Compression/Roll

Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTW16-10-10	33	11.7	20	11.4
OVTW16-20-10	24	14.7	14	7.0
OVTW16-40-10	18	20.8	11	4.7
OVTW16-60-10	18	24.9	7.0	3.0
OVTW16-70-10	18	26.9	6.1	2.6
OVTW16-80-10	16	31	5.3	1.9

Shear/Roll

Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTW16-10-10	22	8.6	14	14
OVTW16-20-10	18	10.7	8.8	8.8
OVTW16-40-10	16	15.7	5.3	5.3
OVTW16-60-10	13	18.8	3.9	3.9
OVTW16-70-10	13	19.8	3.2	3.2
OVTW16-80-10	11	22.9	2.3	2.3

Note: Performance provided for full loop models with standard (302/304) stainless steel cable.
Please consult OVICTOR company for other options.

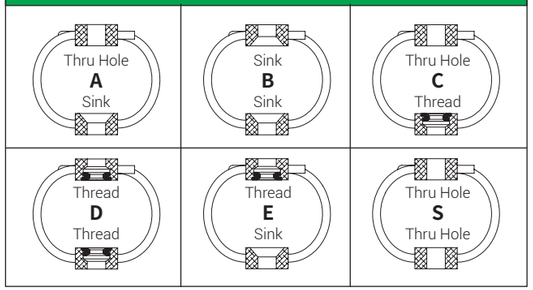


Model	Height ("H") mm		Width("W") mm	Unit Weight Kg	Mounting Options	Thru Hole mm	Thread mm	C' Sink Metric
OVTW24-10	23	± 2	28	0.06	A, B, C, D, E, S	Ø5.6 ± 0.2	M5 X 0.8	90°
OVTW24-20	25		30	0.07				
OVTW24-40	28		33	0.07				
OVTW24-60	33		38	0.07				
OVTW24-70	36		41	0.07				
OVTW24-80	38		43	0.08				

Ordering Example

OVTW24 - 40 - 10 D T M
- M — Add "M" for Metric
- T — Threaded Hole Options
  *[ ] -Flush Self Clinching Threaded Insert
  [T] -Tapped
- D — Mounting Options See chart
- 10 — Number of Loops 10
  (Reduced Number of Loops Available)
- 40 — Isolator Size See Sizing Table

Mounting Options



* Standard characteristics. Delivery time may be postponed for non-standard products.

- Maximum recommended torque for standard threaded insert is 0.9 Nm.
- Operating Temperature Range: -100°C~260°C

Compression

Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTW24-10-10	95	8.6	72	44
OVTW24-20-10	84	10.7	56	33
OVTW24-40-10	68	13.7	41	21
OVTW24-60-10	48	17.8	25	12
OVTW24-70-10	44	20.8	20	8.7
OVTW24-80-10	44	22.9	18	7.7

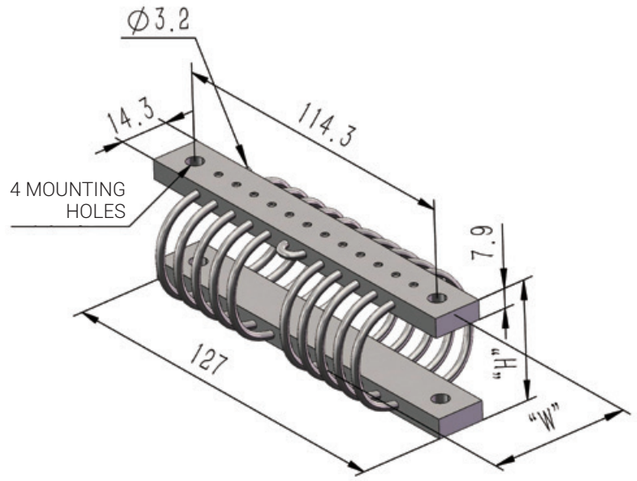
45° Compression/Roll

Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTW24-10-10	68	12.7	42	22
OVTW24-20-10	58	15.7	31	15.4
OVTW24-40-10	48	18.8	23	10.6
OVTW24-60-10	40	25.9	14	6.2
OVTW24-70-10	34	27.9	12	4.8
OVTW24-80-10	30	32	10.6	3.9

Shear/Roll

Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTW24-10-10	48	9.7	26	24
OVTW24-20-10	44	11.7	20	18
OVTW24-40-10	34	13.7	13	12
OVTW24-60-10	30	18.8	7.8	7.0
OVTW24-70-10	24	21.8	5.9	5.3
OVTW24-80-10	20	23.9	4.8	4.4

Note: Performance provided for full loop models with standard (302/304) stainless steel cable.
Please consult OVICTOR company for other options.



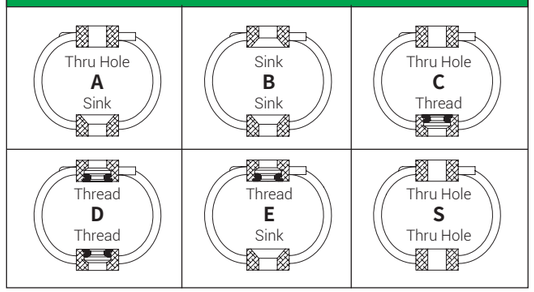
Model	Height ("H") mm		Width("W") mm	Unit Weight Kg	Mounting Options	Thru Hole mm	Thread mm	C' Sink Metric
OVTW32-10	28	± 2	36	0.12	A, B, C, D, E, S	Ø6.9 ± 0.2	M6 X 1.0	90°
OVTW32-20	30		38	0.12				
OVTW32-40	33		41	0.13				
OVTW32-50	36		43	0.13				
OVTW32-60	38		46	0.13				
OVTW32-70	41		48	0.14				
OVTW32-80	43		51	0.14				

Ordering Example

OVTW32 - 40 - 10 D T M

- Add "M" for Metric
- Threaded Hole Options
  *[ ] -Flush Self Clinching Threaded Insert
  [T] -Tapped
- Mounting Options See chart
- Number of Loops 10
  (Reduced Number of Loops Available)
- Isolator Size See Sizing Table

Mounting Options



* Standard characteristics. Delivery time may be postponed for non-standard products.

- Maximum recommended torque for standard threaded insert is 3.7 Nm.
- Operating Temperature Range: -100°C~260°C

Compression

Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTW32-10-10	256	9.7	185	109
OVTW32-20-10	233	11.7	150	82
OVTW32-40-10	200	13.7	114	61
OVTW32-50-10	187	16.8	94	47
OVTW32-60-10	170	18.8	80	38
OVTW32-70-10	160	21.8	68	30
OVTW32-80-10	140	23.9	55	25

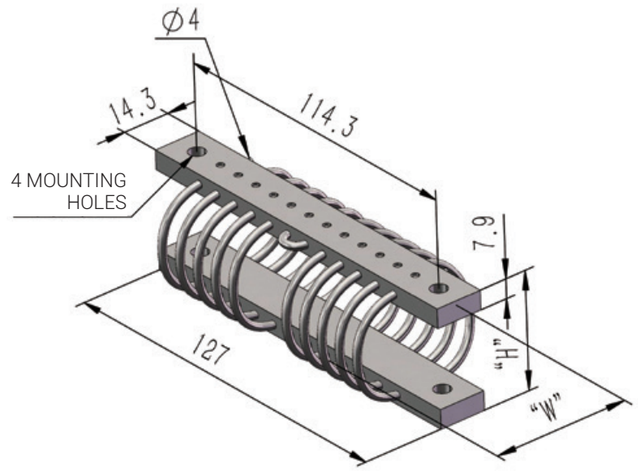
45° Compression/Roll

Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTW32-10-10	179	13.7	103	55
OVTW32-20-10	166	17.3	84	42
OVTW32-40-10	142	19.8	64	30
OVTW32-50-10	133	23.9	53	24
OVTW32-60-10	122	26.9	47	19
OVTW32-70-10	113	31.0	38	14
OVTW32-80-10	100	34.0	31	13

Shear/Roll

Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTW32-10-10	133	9.7	67	56
OVTW32-20-10	118	11.7	52	43
OVTW32-40-10	112	14.7	37	31
OVTW32-50-10	102	17.8	30	25
OVTW32-60-10	96	19.8	23	19
OVTW32-70-10	85	22.9	19	16
OVTW32-80-10	74	25.9	14	12

Note: Performance provided for full loop models with standard (302/304) stainless steel cable.
Please consult OVICTOR company for other options.



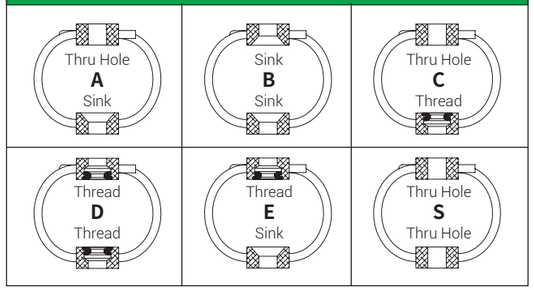
Model	Height ("H") mm		Width("W") mm	Unit Weight Kg	Mounting Options	Thru Hole mm	Thread mm	C' Sink Metric
OVTW40-20	30	± 2	41	0.15	A, B, C, D, E, S	Ø6.9 ± 0.2	M6 X 1.0	90°
OVTW40-40	33		43	0.15				
OVTW40-60	38		48	0.16				
OVTW40-80	46	± 3.5	53	0.17				
OVTW40-90	53		64	0.18				

Ordering Example

OVTW40 - 40 - 10 D T M

- M — Add "M" for Metric
- T — Threaded Hole Options
  *[ ] -Flush Self Clinching Threaded Insert
  [T] -Tapped
- D — Mounting Options See chart
- 10 — Number of Loops 10
  (Reduced Number of Loops Available)
- 40 — Isolator Size See Sizing Table

Mounting Options



* Standard characteristics. Delivery time may be postponed for non-standard products.

- Maximum recommended torque for standard threaded insert is 4.3 Nm.
- Operating Temperature Range: -100°C~260°C

Compression

Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTW40-20-10	473	12.7	289	152
OVTW40-40-10	402	14.7	221	114
OVTW40-60-10	334	19.8	151	70
OVTW40-80-10	280	24.9	109	48
OVTW40-90-10	224	32.0	75	30

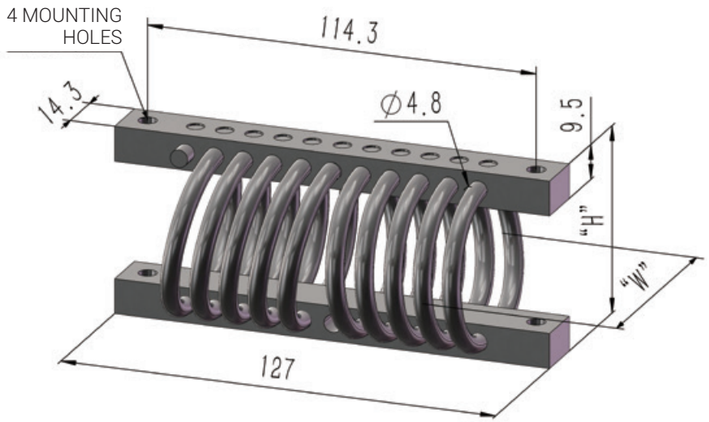
45° Compression/Roll

Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTW40-20-10	330	17.8	160	78
OVTW40-40-10	283	21.8	125	55
OVTW40-60-10	237	27.9	86	36
OVTW40-80-10	196	35.6	62	23
OVTW40-90-10	150	44.7	40	14

Shear/Roll

Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTW40-20-10	231	12.7	95	73
OVTW40-40-10	203	15.7	69	53
OVTW40-60-10	173	20.8	43	33
OVTW40-80-10	144	25.9	30	23
OVTW40-90-10	52	33.5	10.3	7.9

Note: Performance provided for full loop models with standard (302/304) stainless steel cable.
Please consult OVICTOR company for other options.



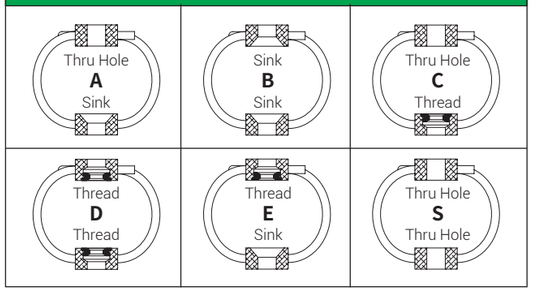
Model	Height ("H") mm		Width("W") mm	Unit Weight Kg	Mounting Options	Thru Hole mm	Thread mm	C' Sink Metric
OVTW48-20	30	± 1.2	36	0.19	A, B, C, D, E, S	Ø6.9 ± 0.2	M6 X 1.0	90°
OVTW48-30	33		38	0.20				
OVTW48-40	36		41	0.21				
OVTW48-50	38		43	0.21				
OVTW48-60	41		46	0.22				
OVTW48-70	43		48	0.25				
OVTW48-80	51		58	0.26				
OVTW48-85	54	± 3.5	75	0.27				
OVTW48-90	62		88	0.28				
OVTW48-95	81		107	0.29				

Ordering Example

OVTW48 - 40 - 10 D T M

- M — Add "M" for Metric
- T — Threaded Hole Options
  *[ ] -Flush Self Clinching Threaded Insert
  [T] -Tapped
- D — Mounting Options See chart
- 10 — Number of Loops 10
  (Reduced Number of Loops Available)
- 40 — Isolator Size See Sizing Table

Mounting Options



* Standard characteristics. Delivery time may be postponed for non-standard products.

- Maximum recommended torque for standard threaded insert is 4.3 Nm.
- Operating Temperature Range: -100°C~260°C

Compression

Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTW48-20-10	954	8.6	751	472
OVTW48-30-10	926	11.7	592	328
OVTW48-40-10	781	13.7	451	246
OVTW48-50-10	751	15.7	391	198
OVTW48-60-10	666	18.8	317	152
OVTW48-70-10	636	20.8	276	125
OVTW48-80-10	475	26.9	177	75
OVTW48-85-10	307	29.5	107	43
OVTW48-90-10	231	36.6	70	27
OVTW48-95-10	156	52.8	38	13

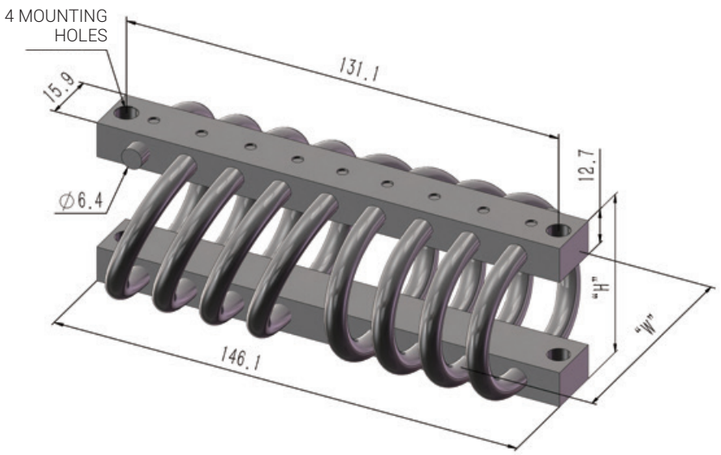
45° Compression/Roll

Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTW48-20-10	694	12.7	443	233
OVTW48-30-10	666	16.8	335	164
OVTW48-40-10	562	19.8	256	121
OVTW48-50-10	532	22.9	224	98
OVTW48-60-10	485	26.9	183	75
OVTW48-70-10	455	29	160	64
OVTW48-80-10	338	38.1	100	36
OVTW48-85-10	230	41.7	64	23
OVTW48-90-10	177	51.3	43	14
OVTW48-95-10	118	74.7	24	7

Shear/Roll

Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTW48-20-10	463	8.6	291	246
OVTW48-30-10	463	11.7	593	172
OVTW48-40-10	434	14.7	146	123
OVTW48-50-10	404	16.8	121	102
OVTW48-60-10	376	19.8	91	77
OVTW48-70-10	347	21.8	78	66
OVTW48-80-10	260	27.9	46	38
OVTW48-85-10	75	31	14.3	12
OVTW48-90-10	52	38.1	7	5.8
OVTW48-95-10	29	55.9	3	2.5

Note: Performance provided for full loop models with standard (302/304) stainless steel cable.
Please consult OVICTOR company for other options.

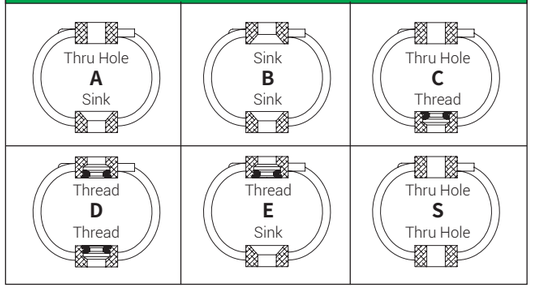


Model	Height ("H") mm		Width("W") mm	Unit Weight Kg	Mounting Options	Thru Hole mm	Thread mm	C' Sink Metric
OVTW64-20	48	± 3	56	0.38	A, B, C, D, E, S	Ø6.9 ± 0.2	M6 X 1.0	90°
OVTW64-40	54		64	0.41				
OVTW64-50	59		71	0.43				
OVTW64-60	64		80	0.47				
OVTW64-70	64		89	0.52				
OVTW64-80	67	± 4	95	0.54				
OVTW64-85	67		100	0.57				
OVTW64-90	83		108	0.59				

Ordering Example

OVTW64 - 40 - 8 D T M
- M — Add "M" for Metric
- T — Threaded Hole Options *[ ] -Flush Self Clinching Threaded Insert [T] -Tapped
- D — Mounting Options See chart
- 8 — Number of Loops 8 (Reduced Number of Loops Available)
- 40 — Isolator Size See Sizing Table

Mounting Options



* Standard characteristics. Delivery time may be postponed for non-standard products.

- Maximum recommended torque for standard threaded insert is 4.3 Nm.
- Operating Temperature Range: -100°C~260°C

Compression

Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTW64-20-08	1088	17.8	534	254
OVTW64-40-08	932	23.9	372	162
OVTW64-50-08	778	29	274	110
OVTW64-60-08	623	32	211	84
OVTW64-70-08	540	32	178	71
OVTW64-80-08	490	35.6	152	59
OVTW64-85-08	455	35.6	140	55
OVTW64-90-08	415	50.8	103	35

45° Compression/Roll

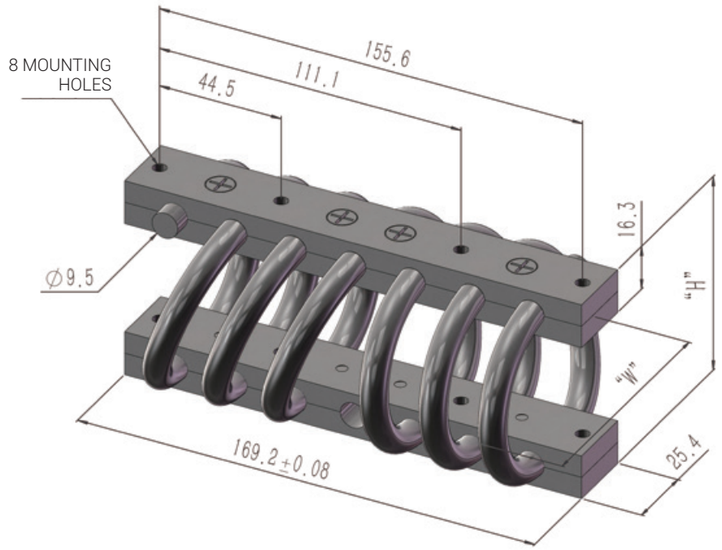
Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTW64-20-08	778	25.9	301	124
OVTW64-40-08	653	34	211	81
OVTW64-50-08	546	39.6	152	56
OVTW64-60-08	449	45.7	120	42
OVTW64-70-08	382	45.7	100	35
OVTW64-80-08	347	50.8	85	29
OVTW64-85-08	320	50.8	78	26
OVTW64-90-08	292	71.6	57	17

Shear/Roll

Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTW64-20-08	592	18.8	154	121
OVTW64-40-08	498	24.9	100	79
OVTW64-50-08	435	30	68	54
OVTW64-60-08	343	34	52	41
OVTW64-70-08	310	34	45	35
OVTW64-80-08	280	38.1	35	28
OVTW64-85-08	249	38.1	32	25
OVTW64-90-08	218	52.8	22	18

Note: Performance provided for full loop models with standard (302/304) stainless steel cable.
Please consult OVICTOR company for other options.

6-Loop



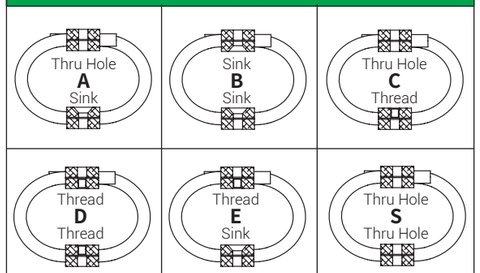
Model	Height ("H") mm	Width("W") mm	Unit Weight Kg	Mounting Options	Thru Hole mm	Thread mm	C' Sink Metric
OVTW95-26	71		84	0.83				
OVTW95-36	74		89	0.85				
OVTW95-46	76		105	0.90				
OVTW95-56	83	± 3	108	0.95	A, B, C, D, E, S	∅7.4±0.2	M6 X 1.0	90°
OVTW95-66	89		108	0.98				
OVTW95-76	105		121	1.07				
OVTW95-86	108		140	1.12				

Ordering Example

OVTW95 - 46 - 6 D H M

- M — Add "M" for Metric
- H — Threaded Hole Options
  - *[ ] -Tapped
  - [H] -Helical Insert, Free Running
  - [L] -Helical Insert, Self Locking
- D — Mounting Options See chart
- 6 — Number of Loops 6 (Reduced Number of Loops Available)
- 46 — Isolator Size See Sizing Table

Mounting Options



* Standard characteristics. Delivery time may be postponed for non-standard products.

- Maximum recommended torque for standard threaded insert is 10 Nm.
- Operating Temperature Range: -100°C~260°C

6-Loop

Compression

Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTW95-26-06	1526	34.0	385	189
OVTW95-36-06	1432	37.1	336	160
OVTW95-46-06	1121	40.1	252	118
OVTW95-56-06	1028	44.7	216	95
OVTW95-66-06	997	49.8	192	84
OVTW95-76-06	554	66.0	91	35
OVTW95-86-06	448	68.1	71	27

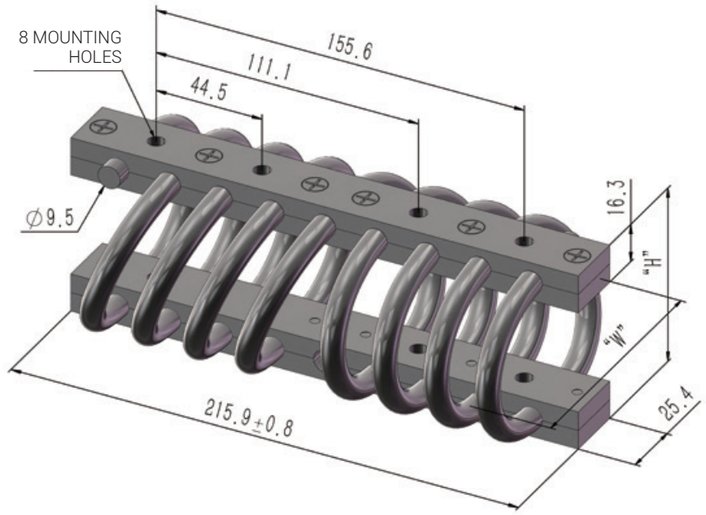
45° Compression/Roll

Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTW95-26-06	1246	47.8	248	108
OVTW95-36-06	1152	51.8	218	94
OVTW95-46-06	934	55.9	168	69
OVTW95-56-06	872	63.0	144	56
OVTW95-66-06	841	71.1	129	49
OVTW95-76-06	477	91.9	62	23
OVTW95-86-06	392	95.0	50	17

Shear/Roll

Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTW95-26-06	965	36.1	137	108
OVTW95-36-06	903	39.1	118	93
OVTW95-46-06	685	42.2	81	64
OVTW95-56-06	654	47.2	69	54
OVTW95-66-06	623	52.8	62	48
OVTW95-76-06	280	68.1	28	22
OVTW95-86-06	218	71.1	21	16

Note: Performance provided for full loop models with standard (302/304) stainless steel cable. Please consult OVICTOR company for other options.



Model	Height ("H") mm		Width("W") mm	Unit Weight Kg	Mounting Options	Thru Hole mm	Thread mm	C' Sink Metric
OVTW95-20	71	± 3	84	1.10	A, B, C, D, E, S	∅9±0.2	*M8 X 1.25	90°
OVTW95-30	74		89	1.13				
OVTW95-40	76		105	1.20				
OVTW95-50	83		108	1.26				
OVTW95-60	89		108	1.30				
OVTW95-70	105		121	1.43				
OVTW95-80	108		140	1.50				

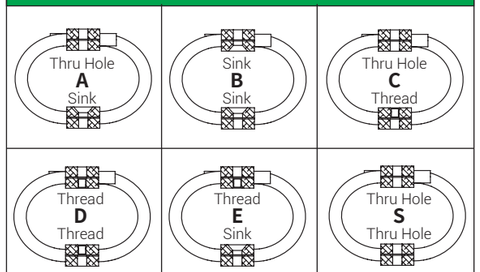
*** Tapped M8 x 1.25, Inserts M6 x 1.0**

Ordering Example

OVTW95 - 40 - 8 D H M

- M — Add "M" for Metric
- H — Threaded Hole Options
  - *[ ] -Tapped
  - [H] -Helical Insert, Free Running
  - [L] -Helical Insert, Self Locking
- D — Mounting Options See chart
- 8 — Number of Loops 8 (Reduced Number of Loops Available)
- 40 — Isolator Size See Sizing Table

Mounting Options



* Standard characteristics. Delivery time may be postponed for non-standard products.

- Maximum recommended torque for standard threaded insert is 20 Nm.
- Operating Temperature Range: -100°C~260°C

Compression

Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTW95-20-08	2055	34	512	251
OVTW95-30-08	1900	37.1	448	213
OVTW95-40-08	1495	40.1	339	154
OVTW95-50-08	1370	44.7	287	127
OVTW95-60-08	1308	49.8	259	111
OVTW95-70-08	748	66	120	46
OVTW95-80-08	592	68.1	94	36

45° Compression/Roll

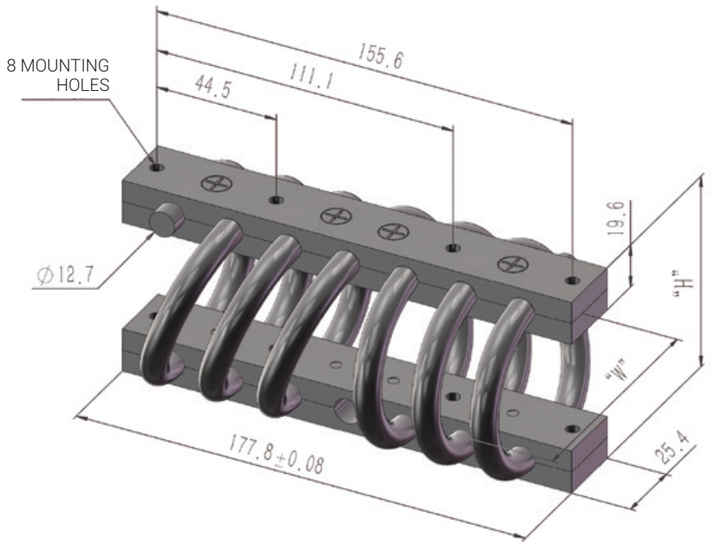
Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTW95-20-08	1651	47.8	330	144
OVTW95-30-08	1526	51.8	291	123
OVTW95-40-08	1246	55.9	223	91
OVTW95-50-08	1152	63	192	76
OVTW95-60-08	1089	71.1	172	66
OVTW95-70-08	654	91.9	84	30
OVTW95-80-08	522	95	66	23

Shear/Roll

Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTW95-20-08	1277	36.1	182	145
OVTW95-30-08	1214	39.1	157	123
OVTW95-40-08	934	42.2	108	85
OVTW95-50-08	872	47.2	91	72
OVTW95-60-08	841	52.8	84	67
OVTW95-70-08	374	68.1	38	30
OVTW95-80-08	280	71.1	27	21

Note: Performance provided for full loop models with standard (302/304) stainless steel cable. Please consult OVICTOR company for other options.

6-Loop



Model	Height ("H") mm		Width("W") mm	Unit Weight Kg	Mounting Options	Thru Hole mm	Thread mm	C' Sink Metric
OVTW127-26	76	± 3	92	1.36	A, B, C, D, E, S	⌀9.0±0.2	*M8 X 1.25	90°
OVTW127-36	83		102	1.43				
OVTW127-46	89		105	1.50				
OVTW127-66	95		121	1.67				
OVTW127-76	108		133	1.81				
OVTW127-86	124		144	2.02				
OVTW127-89	137		156	2.18				
OVTW127-96	155		180	2.31				

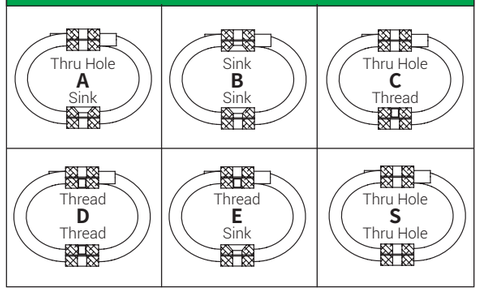
*** Tapped M8 x 1.25, Inserts M7 x 1.0**

Ordering Example

OVTW127 - 46 - 6 D H M

- M — Add "M" for Metric
- H — Threaded Hole Options
  - *[ ] -Tapped
  - [H] -Helical Insert, Free Running
  - [L] -Helical Insert, Self Locking
- D — Mounting Options See chart
- 6 — Number of Loops 6 (Reduced Number of Loops Available)
- 46 — Isolator Size See Sizing Table

Mounting Options



* Standard characteristics. Delivery time may be postponed for non-standard products.

- Maximum recommended torque for standard threaded insert is 20 Nm.
- Operating Temperature Range: -100°C~260°C

6-Loop

Compression

Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTW127-26-06	3830	32	1002	493
OVTW127-36-06	3208	38.1	743	349
OVTW127-46-06	3020	43.2	645	291
OVTW127-66-06	2430	48.8	480	206
OVTW127-76-06	2055	59.9	358	144
OVTW127-86-06	1806	74.7	274	101
OVTW127-89-06	1588	85.9	216	76
OVTW127-96-06	1277	102.6	155	52

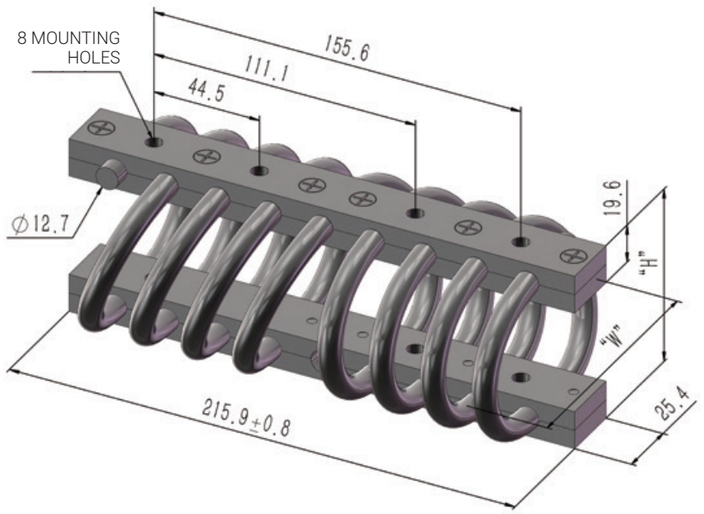
45° Compression/Roll

Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTW127-26-06	2709	44.7	567	248
OVTW127-36-06	2274	52.8	417	176
OVTW127-46-06	2149	61	368	147
OVTW127-66-06	1712	68.6	272	105
OVTW127-76-06	1463	84.8	202	72
OVTW127-86-06	1277	105.7	154	53
OVTW127-89-06	1121	121.9	123	40
OVTW127-96-06	872	144.8	87	28

Shear/Roll

Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTW127-26-06	2086	33	309	244
OVTW127-36-06	1712	40.1	218	220
OVTW127-46-06	1588	45.2	182	184
OVTW127-66-06	1277	50.8	127	130
OVTW127-76-06	841	56.9	84	84
OVTW127-86-06	623	77.7	64	65
OVTW127-89-06	468	90.9	46	48
OVTW127-96-06	311	107.7	32	33

Note: Performance provided for full loop models with standard (302/304) stainless steel cable.
Please consult OVICTOR company for other options.



Model	Height ("H") mm	Width("W") mm	Unit Weight Kg	Mounting Options	Thru Hole mm	Thread mm	C' Sink Metric
OVTW127-20	76	92	1.81	A, B, C, D, E, S	Ø9±0.2	*M8 X 1.25	90°
OVTW127-30	83	102	1.91				
OVTW127-40	89	105	2.00				
OVTW127-60	95	121	2.22				
OVTW127-70	108	133	2.40				
OVTW127-80	124	144	2.70				
OVTW127-85	137	156	2.90				
OVTW127-90	155	180	3.09				

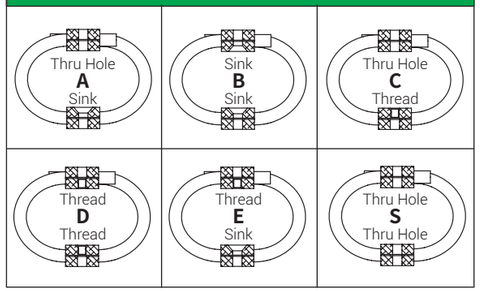
± 3

*** Tapped M8 x 1.25, Inserts M7 x 1.0**

Ordering Example

OVTW127 - 40 - 8 D H M
- M — Add "M" for Metric
- H — Threaded Hole Options
  *[ ] -Tapped
  [H] -Helical Insert, Free Running
  [L] -Helical Insert, Self Locking
- D — Mounting Options See chart
- 8 — Number of Loops 8 (Reduced Number of Loops Available)
- 40 — Isolator Size See Sizing Table

Mounting Options



* Standard characteristics. Delivery time may be postponed for non-standard products.

- Maximum recommended torque for standard threaded insert is 20 Nm.
- Operating Temperature Range: -100°C~260°C

Compression

Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTW127-20-08	5107	32	1336	660
OVTW127-30-08	4266	38.1	991	466
OVTW127-40-08	4017	43.2	858	389
OVTW127-60-08	3238	48.8	640	274
OVTW127-70-08	2440	59.9	476	192
OVTW127-80-08	2430	74.7	365	135
OVTW127-85-08	2117	85.9	290	104
OVTW127-90-08	1681	102.6	207	69

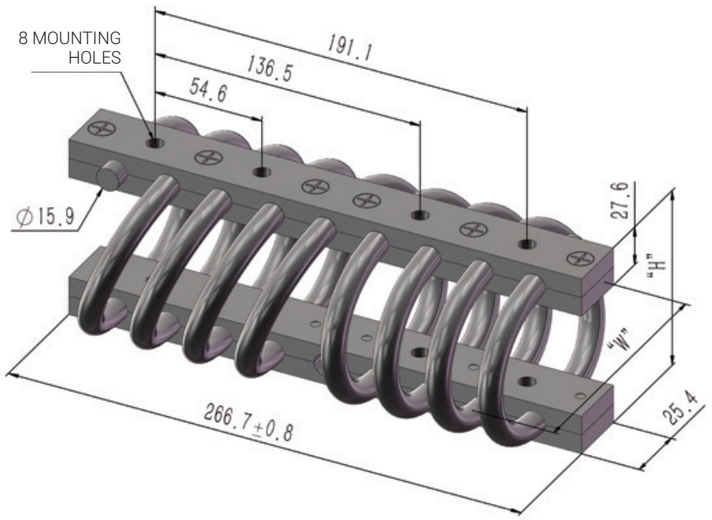
45° Compression/Roll

Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTW127-20-08	3612	44.7	755	330
OVTW127-30-08	3020	52.8	557	235
OVTW127-40-08	2864	61	489	193
OVTW127-60-08	2274	68.6	363	137
OVTW127-70-08	1961	84.8	270	95
OVTW127-80-08	1712	105.7	206	69
OVTW127-85-08	1495	121.9	164	52
OVTW127-90-08	1152	144.8	116	35

Shear/Roll

Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTW127-20-08	4110	33	412	323
OVTW127-30-08	2398	40.1	290	290
OVTW127-40-08	2180	45.2	242	190
OVTW127-60-08	1681	50.8	169	133
OVTW127-70-08	1121	56.9	113	89
OVTW127-80-08	841	77.7	84	66
OVTW127-85-08	623	90.9	64	51
OVTW127-90-08	407	107.7	42	33

Note: Performance provided for full loop models with standard (302/304) stainless steel cable.
Please consult OVICTOR company for other options.



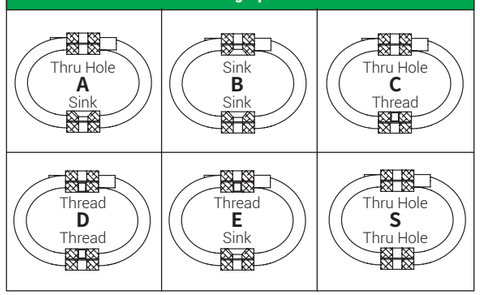
Model	Height ("H") mm		Width("W") mm	Unit Weight Kg	Mounting Options	Thru Hole mm	Thread mm	C' Sink Metric
OVTW159-20	89		102	3.00				
OVTW159-30	99		112	3.20				
OVTW159-40	102		121	3.40				
OVTW159-60	109	± 4	135	3.70	A, B, C, D, E, S	Ø11.0±0.2	M10 X 1.25	90°
OVTW159-70	119		152	4.00				
OVTW159-80	127		165	4.31				
OVTW159-90	135		178	4.63				

Ordering Example

OVTW159 - 40 - 8 D H M

- M — Add "M" for Metric
- H — Threaded Hole Options
  - *[ ] -Tapped
  - [H] -Helical Insert, Free Running
  - [L] -Helical Insert, Self Locking
- D — Mounting Options See chart
- 8 — Number of Loops 8 (Reduced Number of Loops Available)
- 40 — Isolator Size See Sizing Table

Mounting Options



* Standard characteristics. Delivery time may be postponed for non-standard products.

- Maximum recommended torque for standard threaded insert is 50 Nm.
- Operating Temperature Range: -100°C~260°C

Compression

Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTW159-20-08	9030	31.8	2346	1189
OVTW159-30-08	7660	38.1	1763	853
OVTW159-40-08	7100	41.9	1547	706
OVTW159-60-08	5886	49.5	1150	498
OVTW159-70-08	4920	58.4	862	353
OVTW159-80-08	4452	67.3	715	274
OVTW159-90-08	3923	73.7	598	223

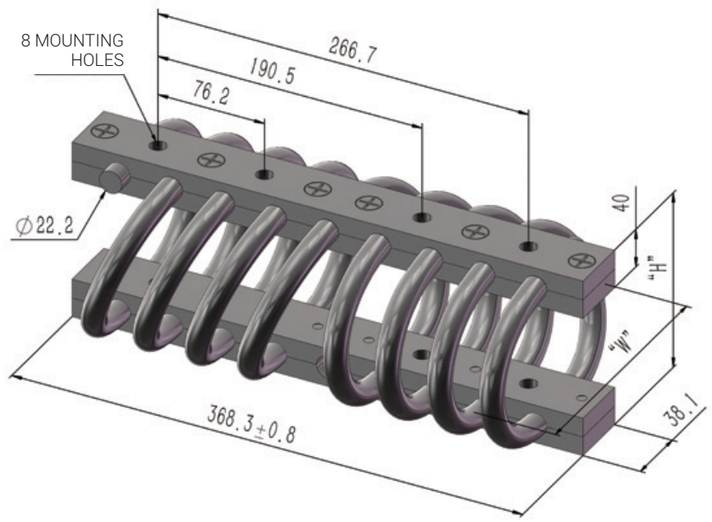
45° Compression/Roll

Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTW159-20-08	6352	45.7	1331	587
OVTW159-30-08	5573	54.6	1037	427
OVTW159-40-08	5013	59.7	878	350
OVTW159-60-08	4172	71.1	655	248
OVTW159-70-08	3487	83.8	490	174
OVTW159-80-08	3144	94	399	137
OVTW159-90-08	2771	101.6	333	113

Shear/Roll

Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTW159-20-08	4920	34.3	734	577
OVTW159-30-08	4235	40.6	525	413
OVTW159-40-08	3674	43.2	431	339
OVTW159-60-08	2989	52.1	301	237
OVTW159-70-08	2117	61	213	167
OVTW159-80-08	1712	69.9	172	136
OVTW159-90-08	1370	76.2	137	108

Note: Performance provided for full loop models with standard (302/304) stainless steel cable.
Please consult OVICTOR company for other options.

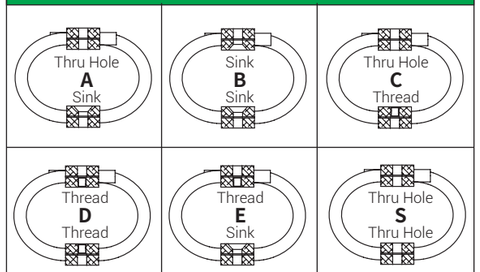


Model	Height ("H") mm		Width("W") mm	Unit Weight Kg	Mounting Options	Thru Hole mm	Thread mm	C' Sink Metric
OVTW222-20	133	± 6.5	140	8.40	A, B, C, D, E, S	Ø13.5±0.2	M12 X 1.75	90°
OVTW222-40	152		165	9.53				
OVTW222-60	159		178	9.90				
OVTW222-80	191		210	11.50				
OVTW222-90	216		235	12.70				
OVTW222-95	216		286	13.90				

Ordering Example

OVTW222 - 40 - 8 D H M
- Add "M" for Metric
- Threaded Hole Options
  *[ ] -Tapped
  [H] -Helical Insert, Free Running
  [L] -Helical Insert, Self Locking
- Mounting Options See chart
- Number of Loops 8
  (Reduced Number of Loops Available)
- Isolator Size See Sizing Table

Mounting Options



* Standard characteristics. Delivery time may be postponed for non-standard products.

- Maximum recommended torque for standard threaded insert is 100 Nm.
- Operating Temperature Range: -100°C~260°C

Compression

Model	Max. Static Load KN	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTW222-20-08	17.2	50.8	3307	1414
OVTW222-40-08	13.2	67.3	2118	819
OVTW222-60-08	11.83	74.9	1778	657
OVTW222-80-08	9.16	102.9	1120	368
OVTW222-90-08	7.6	125.7	819	252
OVTW222-95-08	5.24	125.7	528	193

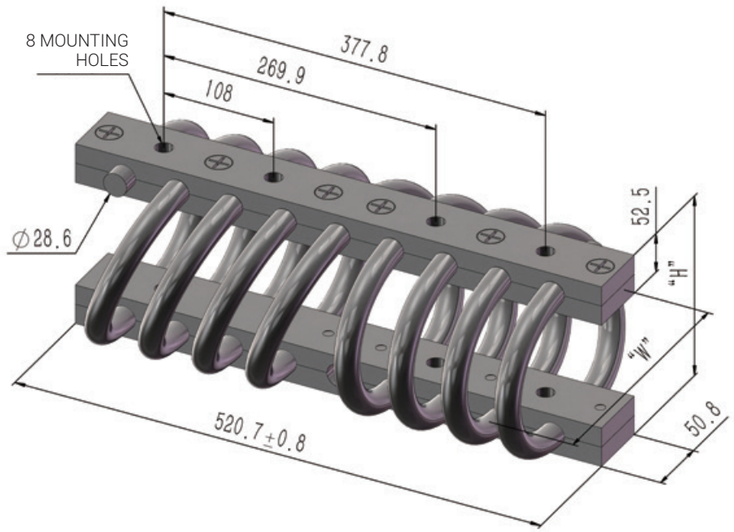
45° Compression/Roll

Model	Max. Static Load KN	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTW222-20-08	12.21	72.4	1887	704
OVTW222-40-08	9.34	96.5	1204	405
OVTW222-60-08	8.41	105.4	1005	329
OVTW222-80-08	6.23	144.8	627	183
OVTW222-90-08	4.55	177.8	458	125
OVTW222-95-08	2.95	177.8	297	98

Shear/Roll

Model	Max. Static Load KN	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTW222-20-08	8.6	53.3	865	680
OVTW222-40-08	4.96	71.1	498	392
OVTW222-60-08	4.05	77.5	407	320
OVTW222-80-08	2.27	108	228	179
OVTW222-90-08	1.55	132.1	157	123
OVTW222-95-08	1.06	132.1	108	85

Note: Performance provided for full loop models with standard (302/304) stainless steel cable.
Please consult OVICTOR company for other options.



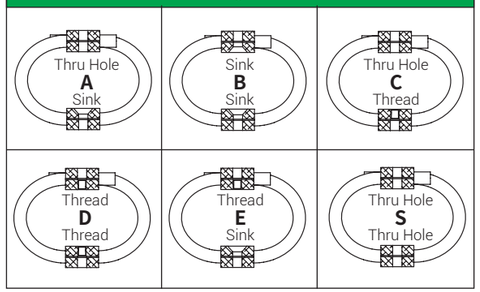
Model	Height ("H") mm		Width("W") mm	Unit Weight Kg	Mounting Options	Thru Hole mm	Thread mm	C' Sink Metric
OVTW286-20	178	± 6.5	216	20.9	A, B, C, D, E, S	∅19.8±0.2	M18 X 2.5	90°
OVTW286-40	216		241	24.0				
OVTW286-60	235		260	25.0				

Ordering Example

OVTW286 - 40 - 8 D H M

- Add "M" for Metric
- Threaded Hole Options
  *[ ] -Tapped
  [H] -Helical Insert, Free Running
  [L] -Helical Insert, Self Locking
- Mounting Options See chart
- Number of Loops 8
  (Reduced Number of Loops Available)
- Isolator Size See Sizing Table

Mounting Options



* Standard characteristics. Delivery time may be postponed for non-standard products.

- Maximum recommended torque for standard threaded insert is 300 Nm.
- Operating Temperature Range: -100°C~260°C

Compression

Model	Max. Static Load KN	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTW286-20-08	23.6	67.3	3788	1462
OVTW286-40-08	20.3	102.9	2484	816
OVTW286-60-08	17.88	119.4	1981	623

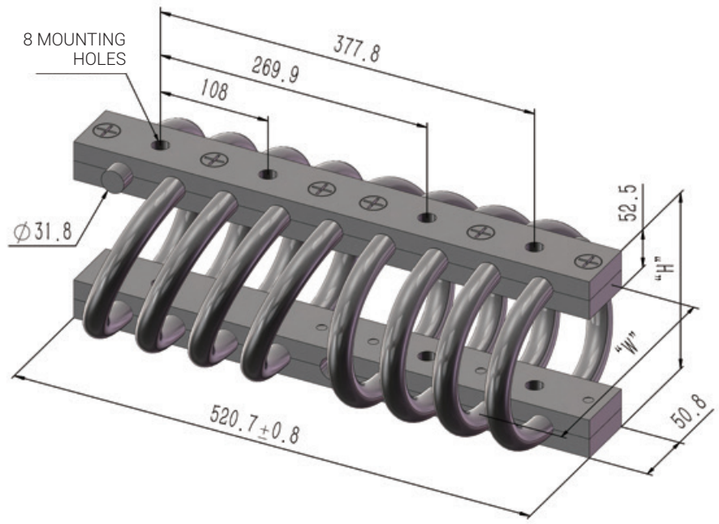
45° Compression/Roll

Model	Max. Static Load KN	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTW286-20-08	16.76	96.5	2157	725
OVTW286-40-08	13.83	144.8	1390	409
OVTW286-60-08	11.14	168.9	1119	311

Shear/Roll

Model	Max. Static Load KN	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTW286-20-08	8.85	71.1	890	700
OVTW286-40-08	5.04	108	505	398
OVTW286-60-08	3.84	125.7	385	303

Note: Performance provided for full loop models with standard (302/304) stainless steel cable.
Please consult OVICTOR company for other options.



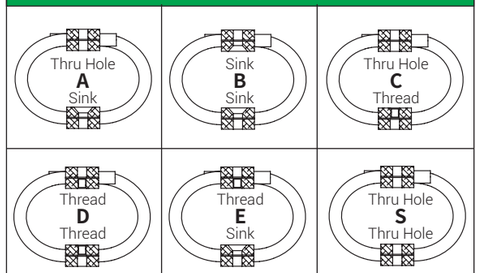
Model	Height ("H") mm		Width("W") mm	Unit Weight Kg	Mounting Options	Thru Hole mm	Thread mm	C' Sink Metric
OVTW318-20	178	± 6.5	210	24.0	A, B, C, D, E, S	∅19.8±0.2	M18 X 2.5	90°
OVTW318-40	216		248	27.2				

Ordering Example

OVTW318 - 40 - 8 D H M

- M — Add "M" for Metric
- H — Threaded Hole Options
  - *[ ] -Tapped
  - [H] -Helical Insert, Free Running
  - [L] -Helical Insert, Self Locking
- D — Mounting Options See chart
- 8 — Number of Loops 8 (Reduced Number of Loops Available)
- 40 — Isolator Size See Sizing Table

Mounting Options



* Standard characteristics. Delivery time may be postponed for non-standard products.

- Maximum recommended torque for standard threaded insert is 300 Nm.
- Operating Temperature Range: -100°C~260°C

Compression

Model	Max. Static Load KN	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTW318-20-08	30.27	67.3	4855	1873
OVTW318-40-08	24.65	96.5	3130	1061

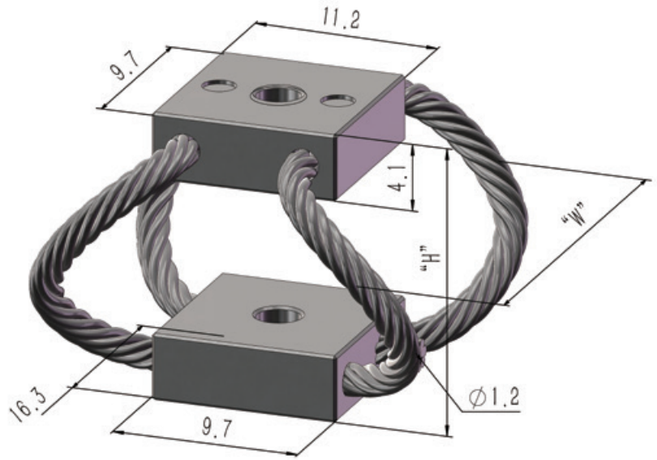
45° Compression/Roll

Model	Max. Static Load KN	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTW318-20-08	21.42	96.5	2755	927
OVTW318-40-08	17.37	137.2	2158	529

Shear/Roll

Model	Max. Static Load KN	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTW318-20-08	11.65	71.1	1175	923
OVTW318-40-08	6.5	101.6	655	515

Note: Performance provided for full loop models with standard (302/304) stainless steel cable.
Please consult OVICTOR company for other options.

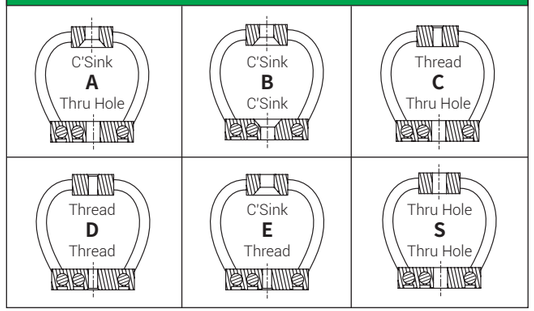


Model	Height ("H") mm		Width("W") mm	Unit Weight Kg	Mounting Options	Thru Hole mm	Thread mm	C' Sink Metric
OVTC12-10	17	± 2	19	0.05	A, B, C, D, E, S	∅3.30	M3 X 0.5	90°
OVTC12-20	19		20	0.05				
OVTC12-30	23		23	0.05				
OVTC12-40	26		26	0.05				

Ordering Example

OVTC12 - 40 - D M
- Add "M" for Metric
- Mounting Options See chart
- Isolator Size See Sizing Table

Mounting Options



* Standard characteristics. Delivery time may be postponed for non-standard products.

- Maximum recommended torque for tapped aluminum bar is 1.2 Nm.
- Wire Rope Material: Stranded 300 series stainless steel
- Operating Temperature Range: -100°C~260°C

Compression

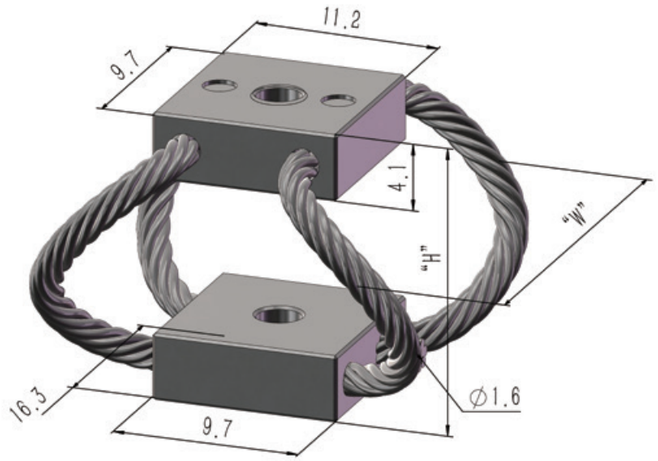
Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTC12-10	3.3	6.4	3.9	1.9
OVTC12-20	2.4	8.4	2.8	1.2
OVTC12-30	1.8	11.9	1.75	0.61
OVTC12-40	1.3	15	1.31	0.39

45° Compression/Roll

Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTC12-10	1.6	8.6	2.1	0.79
OVTC12-20	1.1	10.9	1.5	0.44
OVTC12-30	0.76	14.7	0.88	0.26
OVTC12-40	0.49	18.3	0.53	0.12

Shear/Roll

Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTC12-10	1.1	7.9	0.7	0.7
OVTC12-20	0.89	9.9	0.44	0.44
OVTC12-30	0.71	13.2	0.26	0.26
OVTC12-40	0.53	16.3	0.13	0.13

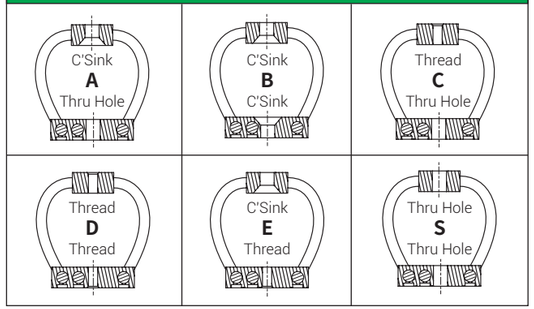


Model	Height ("H") mm		Width("W") mm	Unit Weight Kg	Mounting Options	Thru Hole mm	Thread mm	C' Sink Metric
OVTC16-10	16	± 2	20	0.06	A, B, C, D, E, S	∅3.30	M3 X 0.5	90°
OVTC16-20	19		21	0.06				
OVTC16-30	23		24	0.07				
OVTC16-40	27		27	0.07				

Ordering Example

OVTC16 - 40 - D M
- Add "M" for Metric
- Mounting Options See chart
- Isolator Size See Sizing Table

Mounting Options



* Standard characteristics. Delivery time may be postponed for non-standard products.

- Maximum recommended torque for tapped aluminum bar is 1.2 Nm.
- Wire Rope Material: Stranded 300 series stainless steel
- Operating Temperature Range: -100°C~260°C

Compression

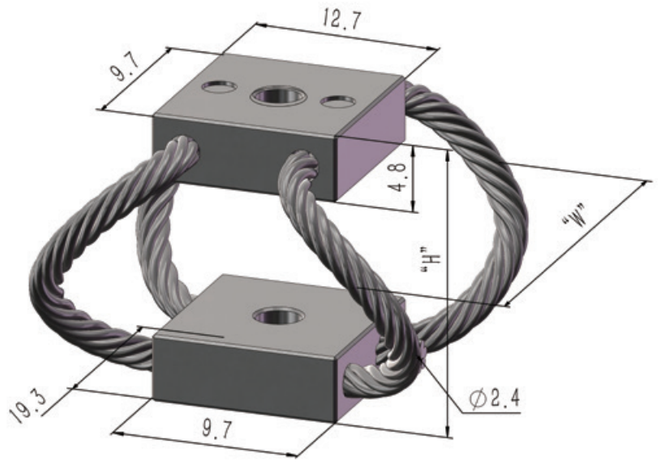
Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTC16-10	12	5.8	11	6.1
OVTC16-20	9.3	8.4	8.8	4.0
OVTC16-30	6.7	11.7	5.3	1.9
OVTC16-40	4.9	15.7	3.5	1.2

45° Compression/Roll

Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTC16-10	5.8	8.1	6.1	2.8
OVTC16-20	4.9	10.9	5.3	1.9
OVTC16-30	3.3	14.5	3.2	1.0
OVTC16-40	2.2	19.1	1.9	0.51

Shear/Roll

Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTC16-10	5.6	7.4	3.0	3.0
OVTC16-20	4.0	9.9	1.8	1.8
OVTC16-30	2.9	13	1.1	1.1
OVTC16-40	2.0	17.3	0.53	0.53

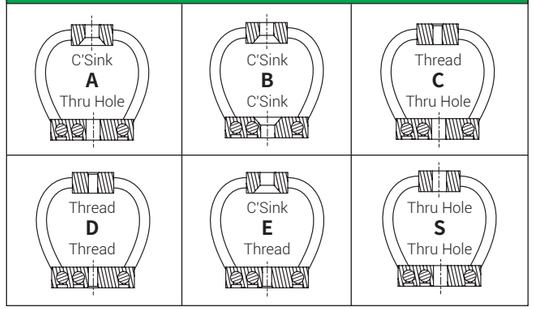


Model	Height ("H") mm		Width("W") mm	Unit Weight Kg	Mounting Options	Thru Hole mm	Thread mm	C' Sink Metric
OVTC24-10	19	± 2	22	0.09	A, B, C, D, E, S	∅3.30	M3 X 0.5	90°
OVTC24-20	23		24	0.1				
OVTC24-30	27		27	0.11				
OVTC24-40	33		30	0.12				

Ordering Example

OVTC24 - 40 - D M
- M: Add "M" for Metric
- D: Mounting Options See chart
- 40: Isolator Size See Sizing Table

Mounting Options



* Standard characteristics. Delivery time may be postponed for non-standard products.

- Maximum recommended torque for tapped aluminum bar is 1.5 Nm.
- Wire Rope Material: Stranded 300 series stainless steel
- Operating Temperature Range: -100°C~260°C

Compact Wire Rope Vibration Isolators
OVTC24 Series
Technical Data
OVICTOR 奥维达 | EKD 力科丹普

OVTC

Compression

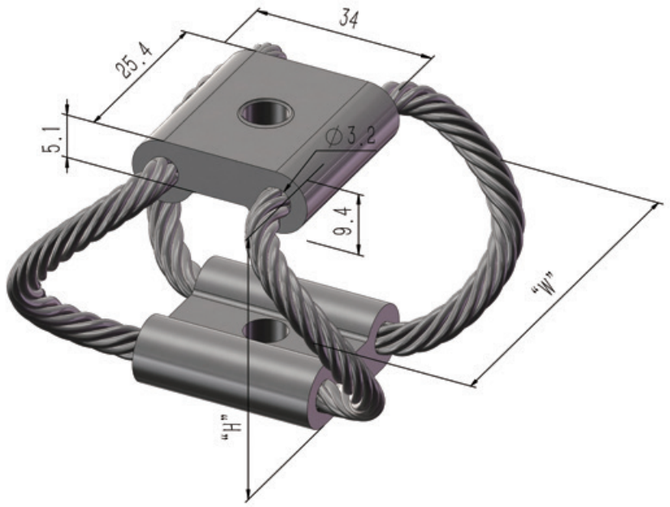
Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTC24-10	32	7.1	26.4	13.2
OVTC24-20	24	10.4	13.2	6.8
OVTC24-30	20	14.2	9.3	3.9
OVTC24-40	12	19.3	6.4	2.1

45° Compression/Roll

Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTC24-10	13.2	9.4	15.4	5.8
OVTC24-20	11	13.2	9.7	3.5
OVTC24-30	7.4	17.3	6.4	2
OVTC24-40	4.8	22.9	3.9	1

Shear/Roll

Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTC24-10	13.2	8.4	6.7	6.1
OVTC24-20	9.4	11.9	3.9	3.5
OVTC24-30	6.8	15.5	2	1.8
OVTC24-40	4.8	20.6	1.2	1.1

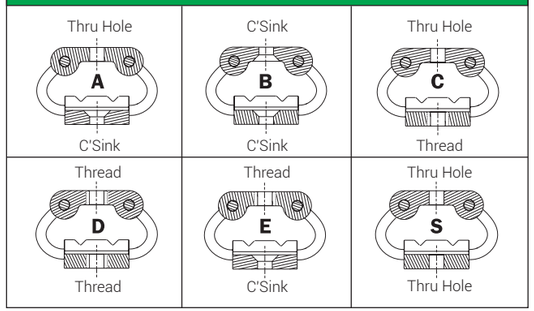


Model	Height ("H") mm		Width("W") mm	Unit Weight Kg	Mounting Options	Thru Hole mm	Thread mm	C' Sink Metric
OVTC32-10	42	± 2	47	0.64	A, B, C, D, E, S	∅3.3	M3 X 0.5	90°
OVTC32-20	53		54	0.64				
OVTC32-30	60		59	0.68				
OVTC32-40	75		68	0.77				

Ordering Example

OVTC32 - 40 - D M
- Add "M" for Metric
- Mounting Options See chart
- Isolator Size See Sizing Table

Mounting Options



* Standard characteristics. Delivery time may be postponed for non-standard products.

- Maximum recommended torque for tapped aluminum bar is 7.5 Nm.
- Wire Rope Material: Stranded 300 series stainless steel
- Operating Temperature Range: -100°C~260°C

Compression

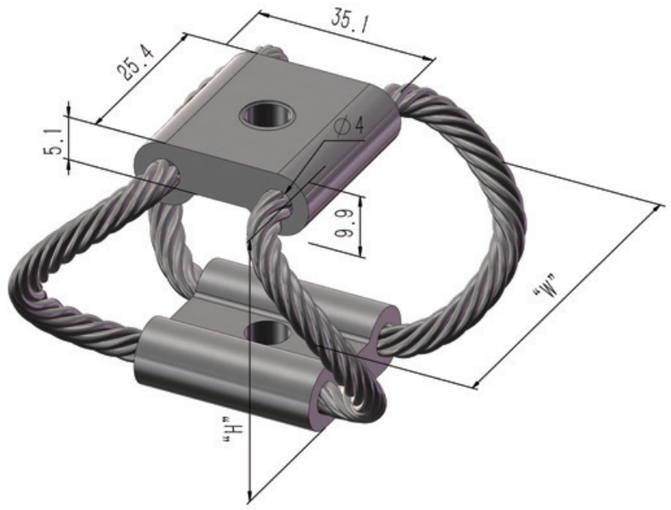
Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTC32-10	29	19.6	14.4	7
OVTC32-20	22	29.7	7.2	3
OVTC32-30	16	35.8	5.3	1.9
OVTC32-40	8	49.3	2.6	0.9

45° Compression/Roll

Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTC32-10	13.2	19.3	7.7	3.4
OVTC32-20	8	29.5	3.7	1.3
OVTC32-30	6.4	37.1	2.6	0.9
OVTC32-40	4.3	52.3	1.3	0.4

Shear/Roll

Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTC32-10	10	17.3	2.3	2
OVTC32-20	8.5	26.4	1.3	1.1
OVTC32-30	6.4	33.3	0.9	0.7
OVTC32-40	4	47	0.4	0.35

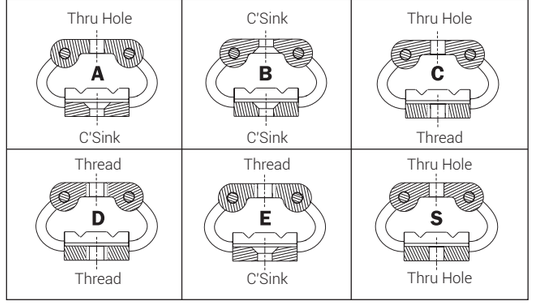


Model	Height ("H") mm		Width("W") mm	Unit Weight Kg	Mounting Options	Thru Hole mm	Thread mm	C' Sink Metric
OVTC40-10	41	± 2	48	0.72	A, B, C, D, E, S	∅7.00	M6 X 1.0	90°
OVTC40-20	53		54	0.77				
OVTC40-30	60		59	0.82				
OVTC40-40	76		67	0.9				

Ordering Example

OVTC40 - 40 - D M
- M: Add "M" for Metric
- D: Mounting Options See chart
- 40: Isolator Size See Sizing Table

Mounting Options



* Standard characteristics. Delivery time may be postponed for non-standard products.

- Maximum recommended torque for tapped aluminum bar is 7.5 Nm.
- Wire Rope Material: Stranded 300 series stainless steel
- Operating Temperature Range: -100°C~260°C

Compression

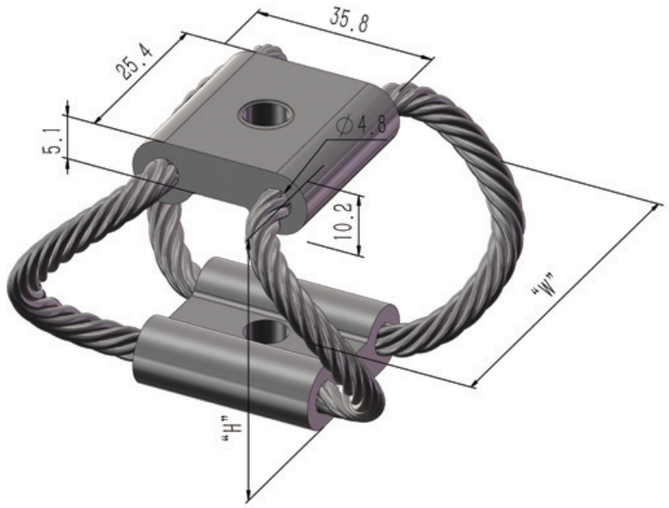
Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTC40-10	104	19.6	29	14.3
OVTC40-20	50	28.7	14.3	5.8
OVTC40-30	35	34.8	10.3	4.2
OVTC40-40	21	49.3	5.8	1.8

45° Compression/Roll

Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTC40-10	31	18.3	15.6	8
OVTC40-20	17	28.4	6.9	3
OVTC40-30	14.3	36.1	4.7	1.8
OVTC40-40	8.7	53.8	2.5	0.9

Shear/Roll

Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTC40-10	26	16.5	5.7	4.8
OVTC40-20	17	25.7	2.7	2.3
OVTC40-30	14.3	32.5	1.8	1.5
OVTC40-40	8.7	48.5	0.9	0.75



Model	Height ("H") mm		Width("W") mm	Unit Weight Kg	Mounting Options	Thru Hole mm	Thread mm	C' Sink Metric
OVTC48-10	47	± 2	54	0.9	A, B, C, D, E, S	∅7.00	M6 X 1.0	90°
OVTC48-20	55		59	1				
OVTC48-30	64		64	1.04				
OVTC48-40	79		73	1.07				

Ordering Example

OVTC48 - 40 - D M
- M — Add "M" for Metric
- D — Mounting Options See chart
- 40 — Isolator Size See Sizing Table

Mounting Options

Thru Hole A C'Sink	C'Sink B C'Sink	Thru Hole C Thread
Thread D Thread	Thread E C'Sink	Thru Hole S Thru Hole

* Standard characteristics. Delivery time may be postponed for non-standard products.

- Maximum recommended torque for tapped aluminum bar is 7.5 Nm.
- Wire Rope Material: Stranded 300 series stainless steel
- Operating Temperature Range: -100°C~260°C

Compression

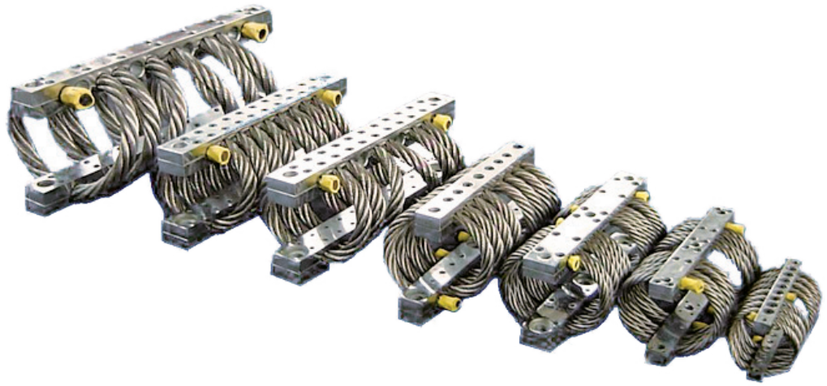
Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTC48-10	185	22.1	42	21
OVTC48-20	121	29.5	26	12.5
OVTC48-30	87	37.6	19.5	6.9
OVTC48-40	47	51.6	10.3	3.4

45° Compression/Roll

Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTC48-10	52	22.9	21	10.3
OVTC48-20	43	30.5	12.5	6.9
OVTC48-30	29	38.1	10.3	3.7
OVTC48-40	17	53.3	4.6	1.6

Shear/Roll

Model	Max. Static Load N	Max. Deflection mm	Kv (Vibration) N/mm	Ks (Shock) N/mm
OVTC48-10	52	20.6	10.3	8.7
OVTC48-20	40	27.4	5.7	4.8
OVTC48-30	29	34.3	3.4	2.9
OVTC48-40	21	48	2.1	1.8



Features, Benefits and Scope of Applications

Stiffness is non-linear, long service life. Corrosion resistant, water resistant, salt fog resistant, oil proof and sunshine proof. Several mounting options like flatwise mounting, side mounting and 45° mounting. This Series product is suitable for vibration isolation for marine power equipments and general electrical equipments.

Organization responsible for design, production and technology

Special Vibration Isolator of this series are developed and produced by Wuxi OVICTOR Technology Co., Ltd. which also bears the responsibility of their technologies.

Structural schematic diagram and shape, installation dimensions

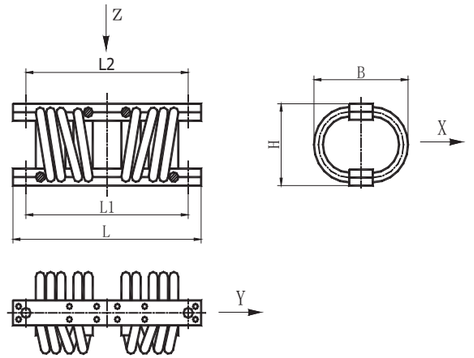


Diagram 1 OVTS-5 ～ OVTS-20、OVTS-80 ～ OVTS-600

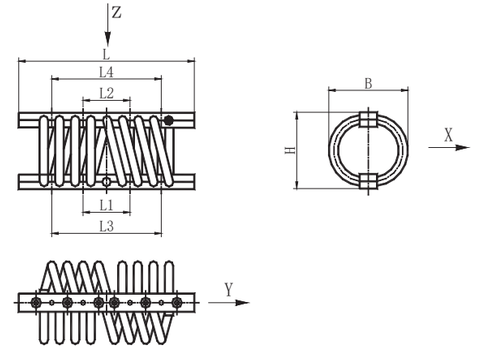


Diagram 2 OVTS-30 ～ OVTS-80

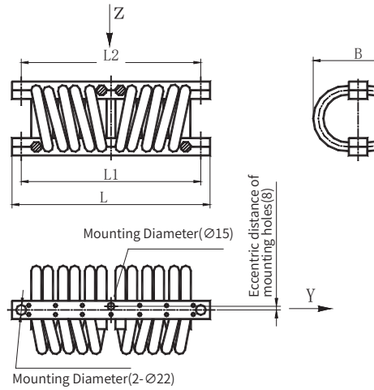


Diagram 3 OVTS-800 ～ OVTS-1200

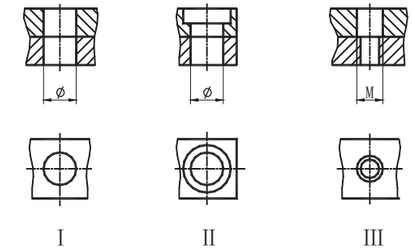


Diagram 4 Interface Options

Boundary Dimensions, Connecting Dimensions and Weight

Model	Z – dimension Nominal Load N	Boundary Dimensions Free State mm			Mounting Hole Distance mm				Mounting Diameter mm	Number of mounting holes per bar	Weight kg	Interface Arrangement Options	Interface Options (Diagram 4)
		Length	Width	Height									
		L	B	H	L1	L2	L3	L4	(∅ or M)				
OVTS-5	50	113	38	32.5	97	97	–	–	M5 or ∅5.5	2	0.16	Diagram 1	I
OVTS-6	60	133	40	32.2	117	117	–	–	M5 or ∅5.5	2	0.185		
OVTS-10	100	146	72	68.2	132	132	–	–	M6 or ∅6.5	2	0.34		III
OVTS-20	200	146	75	70	132	132	–	–	M6 or ∅6.5	2	0.415		
OVTS-30	300	182	87	82	54	54	126	126	M6 or ∅6.5	4	0.77	Diagram 2	
OVTS-50	500	182	89	80.3	54	54	126	126	M6 or ∅6.5	4	0.815		
OVTS-60	600	182	91	78.7	54	54	126	126	M6 or ∅6.5	4	0.91		
OVTS-80	800	200	109	94	172	172	–	–	∅10	3	1.5	Diagram 1	I
OVTS-100	1000	200	109	94	172	172	–	–	∅10	3	1.7		
OVTS-150	1500	250	116	96	220	220	–	–	∅13.5	3	3.5		II
OVTS-200	2000	250	116	96	220	220	–	–	∅13.5	3	3.8		
OVTS-300	3000	230/300	124	107	270	200	–	–	∅13.5	3	4.5		
OVTS-400	4000	320	147	125	283	283	–	–	∅17.5	2	7.5		
OVTS-600	6000	320	147	125	283	283	–	–	∅17.5	2	8		
OVTS-800	8000	428	195	173	388	388	–	–		3	14		
OVTS-1000	10000	428	195	173	388	388	–	–	Diagram 3	3	16	Diagram 3	I
OVTS-1200	12000	428	195	173	388	388	–	–		3	18		

Note: “/” refers to upper bar parameters / lower bar parameters

Nominal Load, Static deflection with nominal load, Static Stiffness

Model	Nominal Load N			Static deflection with nominal load mm	Static Stiffness N/mm		
	Z	X	Y	Z	Z	X	Y
OVTS-5	50	23.5	23.5	1±0.4	70	296	296
OVTS-6	60	28.2	28.2	1±0.4	87	32	32
OVTS-10	100	47	47	1±0.4	130	48	48
OVTS-20	200	94	94	1±0.4	213	78	78
OVTS-30	300	141	141	1±0.4	336	123	123
OVTS-50	500	235	235	1±0.4	392	144	144
OVTS-60	600	282	282	1±0.4	732	269	269
OVTS-80	800	376	376	6±2	165	64	64
OVTS-100	1000	470	470	6±2	196	70	70
OVTS-150	1500	705	705	7±2	248	95	95
OVTS-200	2000	940	940	8±2	285	102	102
OVTS-300	3000	1410	1410	9±2	370	129	129
OVTS-400	4000	1880	1880	9±2	470	295	295
OVTS-600	6000	2820	2820	9±2	600	260	260
OVTS-800	8000	3760	3760	12±2	665	200	200
OVTS-1000	10000	4700	4700	12±2	835	280	280
OVTS-1200	12000	5600	5600	10±2	1200	450	450

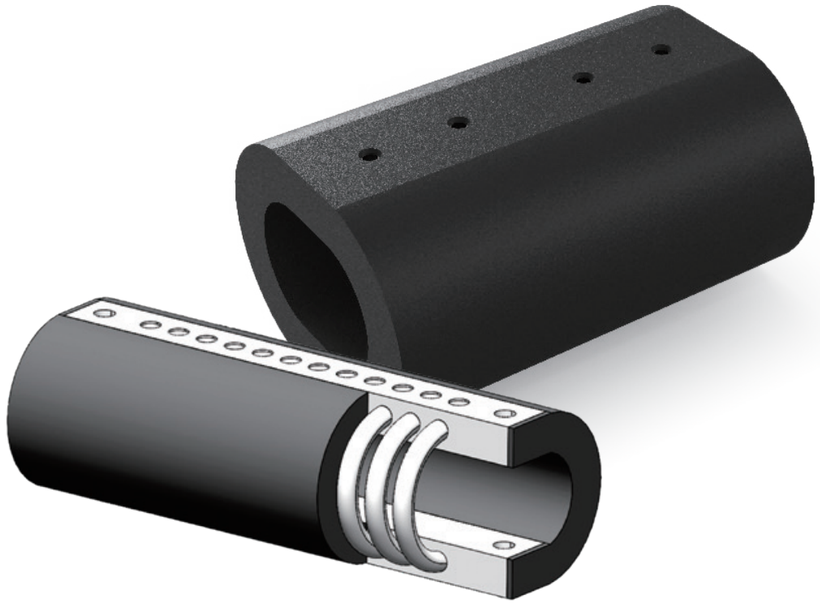
Dynamic Stiffness, Inherent Frequency and Damping Ratio

Model	Dynamic Stiffness N/mm			Inherent Frequency Hz			Damping Ratio C/C_C
	Z	X	Y	Z	X	Y	
OVTS-5	230	92	92	25±3	23±3	23±3	≥0.18
OVTS-6	255	102	102	25±3	23±3	23±3	
OVTS-10	98	40	40	14±3	13±3	13±3	
OVTS-20	172	69	69	14±3	14±3	14±3	
OVTS-30	298	120	120	13±3	12±3	12±3	
OVTS-50	348	140	140	11±3	10±3	10±3	
OVTS-60	549	221	221	15±3	14±3	14±3	
OVTS-80	296	120	120	9±2	8±2	8±2	
OVTS-100	342	140	140	8±2	8±2	8±2	
OVTS-150	357	144	144	8±2	7±2	7±2	
OVTS-200	439	176	176	7±2	7±2	7±2	
OVTS-300	800	321	321	7±2	7±2	7±2	
OVTS-400	1418	570	570	8±2	8±2	8±2	
OVTS-600	1724	694	694	8±2	7±2	7±2	
OVTS-800	980	394	394	5±2	5±2	5±2	
OVTS-1000	1264	507	507	5±2	5±2	5±2	
OVTS-1200	1545	620	620	5±2	5±2	5±2	

Note: Dynamic stiffness and inherent frequency are measured when the excitation amplitude is about 0.3 times of static deflection with nominal load.

Shock Stiffness and Maximum Allowable Deflection

Model	Shock N/mm			Maximum Allowable Deflection mm			Damping Ratio C/C_C
	Z	X	Y	Z	X	Y	
OVTS-5	78	34	34	10	11	11	≥0.18
OVTS-6	87	38	38	11	12	12	
OVTS-10	97	42	42	23	24	24	
OVTS-20	105	45	45	24	25	25	
OVTS-30	112	48	48	28	29	29	
OVTS-50	160	69	69	25	26	26	
OVTS-60	228	98	98	27	28	28	
OVTS-80	110	47	47	36	37	37	
OVTS-100	120	52	52	36	37	37	
OVTS-150	187	80	80	36	37	37	
OVTS-200	202	87	87	36	37	37	
OVTS-300	317	136	136	37	38	38	
OVTS-400	476	205	205	38	40	40	
OVTS-600	525	226	226	38	40	40	
OVTS-800	432	186	186	73	76	76	
OVTS-1000	570	245	245	73	76	76	
OVTS-1200	710	305	305	73	76	76	



OVTN

Performance characteristics and application scope

a) Rubber coated anti-impact vibration isolator of OVTN series is composed of elastomer and wire rope vibration isolator and has markedly improved stiffness and greater bearing capacity compared with wire rope vibration isolator of the same size.

b) The elastomer also provides additional damping force which will result in significantly improved energy absorption efficiency.

c) It is especially suitable for vibration isolation of ship-borne equipment and can control the output G's within 15G's under the natural frequency of 12-16Hz.

d) It is characterized by extremely excellent anti-impact performance to withstand large impact deformation and anti-impact effect obviously superior than other vibration isolator products.

e) Products of this type can be used in the condition of full immersion by seawater.

Storage life and service life

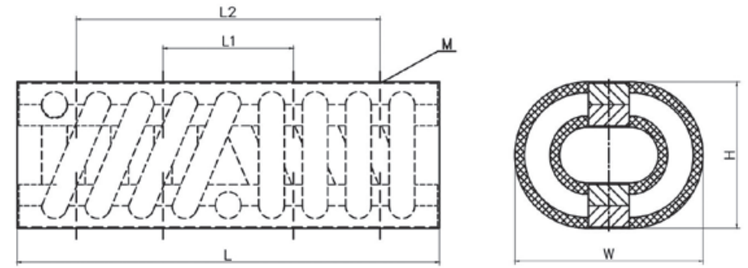
Rubber coated anti-impact isolator of this series has a storage life of 2 years and a service life of 10 years.

Organization responsible for design, production and technology

Rubber coated anti-impact isolators of this series are developed and produced by Wuxi OVICTOR Technology Co., Ltd. which also bears the responsibility of their technologies.

OVTN

Structural schematic diagram and shape, installation dimensions



Model	Shape and connection dimensions					
	L	W	H	L1	L2	M
OVTN10-20 OVTN10-15 OVTN10-10	127	111	76	45	100	8-∅9
OVTN20-150 OVTN20-100 OVTN20-50	203	165	140	67	156	8-∅9
OVTN30-250 OVTN30-125 OVTN30-60	241	165	140	67	156	8-∅9
OVTN40-300 OVTN40-200 OVTN40-80	279	235	165	80	191	8-∅11
OVTN50-1800 OVTN50-1000 OVTN50-400	375	240	184	115	267	8-∅14
OVTN60-2400 OVTN60-1200 OVTN60-600	546	305	229	162	378	8-∅20

Rated load and static deformation under rated load

Model	Vertical rated load kg	Static deformation under rated load mm	Lateral rated load kg	Static deformation under rated load mm	Longitudinal rated load kg	Static deformation under rated load mm
OVTN10-20	20	4±1	15	8±2	35	8±2
OVTN10-15	15	4±1	10	8±2	24	8±2
OVTN10-10	10	4±1	8	8±2	15	8±2
OVTN20-150	150	13±2	105	25±2	265	25±2
OVTN20-100	100	13±2	60	25±2	155	25±2
OVTN20-50	50	13±2	25	25±2	65	25±2
OVTN30-250	250	13±2	170	25±2	440	25±2
OVTN30-125	125	13±2	75	25±2	195	25±2
OVTN30-60	60	13±2	30	25±2	80	25±2
OVTN40-300	300	15±2	155	22±2	395	25±2
OVTN40-200	200	15±2	105	22±2	295	25±2
OVTN40-80	80	15±2	45	22±2	110	25±2
OVTN50-1800	1800	15±2	500	20±2	1340	20±2
OVTN50-1000	1000	15±2	280	20±2	755	20±2
OVTN50-400	400	15±2	115	20±2	300	20±2
OVTN60-2400	2400	20±2	900	20±2	980	20±2
OVTN60-1200	1200	20±2	450	20±2	490	20±2
OVTN60-600	600	20±2	225	20±2	245	20±2

Dynamic stiffness, natural frequency and damping ratio

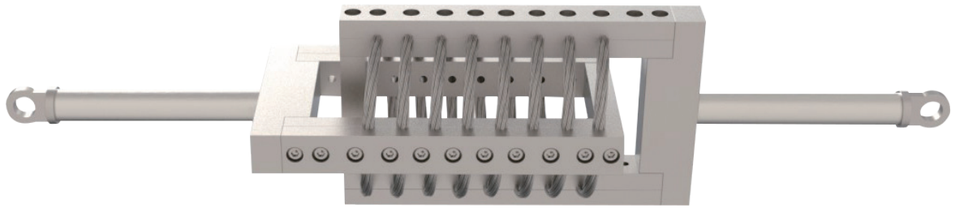
Model	Dynamic Stiffness (N/mm)			Inherent Frequency Hz	Damping Ratio C/C_c
	Vertical	Lateral	Longitudinal		
OVTN10-20	55	15	34	12~18	0.2~0.4
OVTN10-15	38	11	138		
OVTN10-10	33	10	63		
OVTN20-150	261	73	187		
OVTN20-100	159	39	99		
OVTN20-50	91	18	48		
OVTN30-250	389	108	276		
OVTN30-125	221	53	138		
OVTN30-60	100	20	53		
OVTN40-300	415	103	265		
OVTN40-200	259	67	186		
OVTN40-80	99	25	67		
OVTN50-1800	2603	319	854		
OVTN50-1000	1562	192	512		
OVTN50-400	573	70	187		
OVTN60-2400	2793	574	628		
OVTN60-1200	1513	311	341		
OVTN60-600	535	110	120		

Rubber coated anti-impact vibration isolator
OVTN Series
Technical Data
OVICTOR 奥维达 | EKD 力科丹普

Impact stiffness and maximum allowable deformation

Model	Shock N/mm			Maximum allowable deformation mm			Damping Ratio C/C_c
	Vertical	Lateral	Longitudinal	Vertical	Lateral	Longitudinal	Z
OVTN10-20	28	18	40	28	30	30	0.2~0.4
OVTN10-15	20	13	147	28	30	30	
OVTN10-10	17	11	67	28	30	30	
OVTN20-150	123	83	195	89	89	89	
OVTN20-100	74	44	121	89	89	89	
OVTN20-50	43	21	45	89	89	89	
OVTN30-250	181	123	290	89	89	89	
OVTN30-125	103	61	152	89	89	89	
OVTN30-60	47	24	52	89	89	89	
OVTN40-300	218	118	252	102	102	102	
OVTN40-200	136	76	170	102	102	102	
OVTN40-80	52	29	62	102	102	102	
OVTN50-1800	1226	549	1106	95	95	95	
OVTN50-1000	759	329	664	95	95	95	
OVTN50-400	278	121	244	95	95	95	
OVTN60-2400	1403	758	1012	121	127	127	
OVTN60-1200	760	427	551	121	127	127	
OVTN60-600	269	149	189	121	127	127	

OVTN



Performance characteristics and application scope

a) Unique structural design can provide rigidity and support in multiple degrees of freedom.

b) It can be installed in any angle, including vertical, lateral, oblique support, hoisting, etc.

c) It is made of all-metal structure, which can withstand various extreme environments, including high temperature, low temperature, corrosion, irradiation, etc.

d) It can absorb vibration and dissipate energy, with strong impact resistance.

e) 304 stainless steel is taken as the standard material and materials can be customized according the customers' needs.

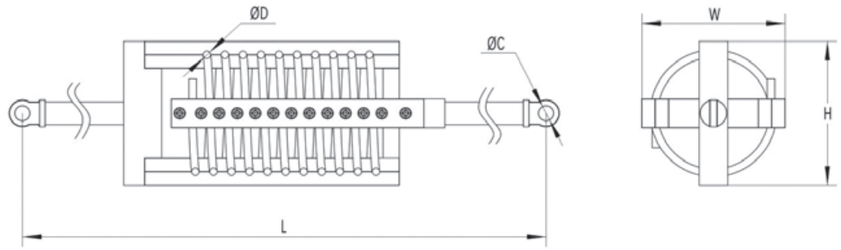
Storage life and service life

Multi-degree-of-freedom hanger of this series has a storage life of 3 years and a service life of 10~15 years.

Organization responsible for design, production and technology

Multi-degree-of-freedom hanger of this series are developed and produced by Wuxi OVICTOR Technology Co., Ltd. which also bears the responsibility of their technologies.

Structural schematic diagram and shape, installation dimensions

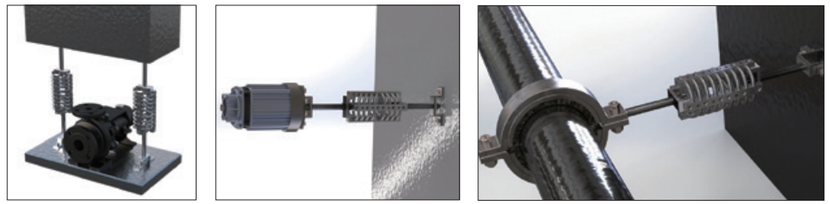


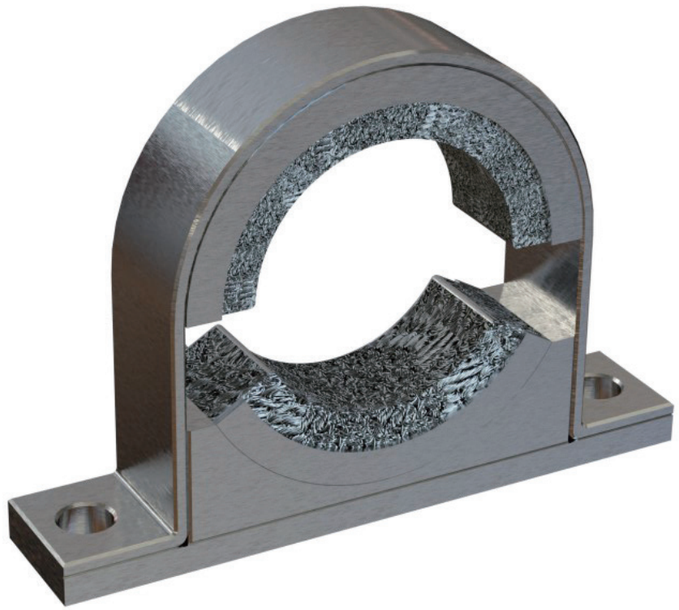
Model	Ø D	L	W	H	Ø C
OVTD130	Ø4.8	320～400	69	69	Ø8
OVTD170	Ø6.4	360～440	86	86	Ø8
OVTD240	Ø9.5	425～505	126	126	Ø10
OVTD600	Ø12.7	445～535	160	160	Ø12
OVTD1100	Ø15.9	665～800	182	182	Ø16
OVTD4500	Ø31.8	1000～1300	300	300	Ø16

Performance parameters

Model	Rated bearing capacity (N)			Damping Ratio C/Cc
	Axial direction	45^{o}	Shear direction	
OVTD130-1	780	1040	1300	0.1~0.2
OVTD130-2	2180	2900	3620	
OVTD170-1	1040	1300	1700	
OVTD170-2	2900	3600	4750	
OVTD240-1	1560	2080	2400	
OVTD240-2	4370	5820	6720	
OVTD600-1	3120	4160	6000	
OVTD600-2	8740	10650	14500	
OVTD1100-1	5460	7800	11000	
OVTD1100-2	15200	21800	30500	
OVTD4500-1	13000	32500	45000	
OVTD4500-2	36400	91000	126000	

Common installation methods





Performance characteristics and application scope

a) The whole standard component is made of 304 stainless steel and materials and surface treatment methods can be customized according to customer requirements to adapt to various environmental conditions.

b) The standard product has an natural frequency of 15-20Hz, which can independently support the pipeline to reduce noise and allow the pipeline to expand freely. Metal elastic materials can also be customized according to customer requirements and have an natural frequency of 10-25Hz.

c) The structure is simple and easy to disassemble and assemble, and the elastomer can be conveniently replaced on site.

d) The used metal elastic element can be applied to extreme environment due to its non-creeping, oil resistance, acid resistance and corrosion resistance; it is especially suitable for ultra-high temperature, ultra-low temperature, irradiation and other working conditions; It can normally operate in the temperature ranging from -70°C to + 300°C.

e) The annular metal elastic element is integrally formed and can provide stable vibration damping performance.

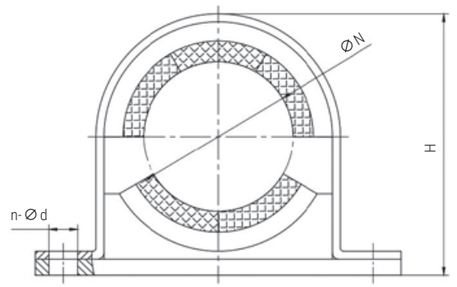
Storage life and service life

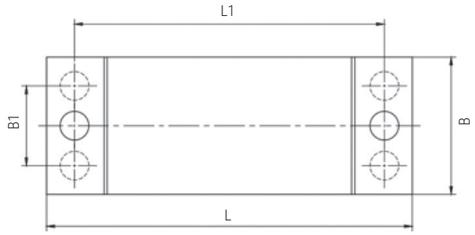
All-metal pipe clamp of this series has a storage life of 3 years and a service life of 10~15 years.

Organization responsible for design, production and technology

All-metal pipe clamp of this series are developed and produced by Wuxi OVICTOR Technology Co., Ltd. which also bears the responsibility of their technologies.

Structural schematic diagram and shape, installation dimensions





Model	ØN	L	L1	B	B1	H	H1	T	n	Ød	Weight Kg
OVTG-14	Ø11	70	56	14	/	42	23	7	2	Ø7	0.15
OVTG-22	Ø19	80	65	19	/	50	27	7	2	Ø9	0.25
OVTG-25	Ø22	80	65	19	/	50	27	7	2	Ø9	0.25
OVTG-27	Ø22	80	65	19	/	50	27	7	2	Ø9	0.25
OVTG-32	Ø29	100	80	24	/	60	32	7	2	Ø11	0.4
OVTG-38	Ø35	105	85	24	/	65	34.5	7	2	Ø11	0.45
OVTG-45	Ø41	125	105	29	/	82	43	8	2	Ø13	0.9
OVTG-50	Ø46	135	115	29	/	92	48	8	2	Ø16	1.1
OVTG-57	Ø53	160	130	34	/	102	53	8	2	Ø16	1.5
OVYG-85	Ø80	2110	175	46	/	140	75	15	2	Ø16	3.2
OVTG-100	Ø94	230	195	46	/	164	87	15	2	Ø18	4
OVTG-114	Ø108	250	210	46	/	178	94	15	2	Ø18	4.5
OVTG-133	Ø127	270	230	46	/	197	103.5	15	2	Ø18	5.5
OVTG-150	Ø144	290	250	51	/	216	113	16	2	Ø18	7.2
OVTG-200	Ø194	340	300	51	/	266	138	16	2	Ø18	9.5
OVTG-250	Ø244	390	350	51	/	320	163	16	2	Ø18	11.5
OVTG-300	Ø294	440	400	56	/	370	190	18	2	Ø20	17.3
OVTG-350	Ø344	490	450	56	/	420	215	18	2	Ø20	20.5
OVTG-400	Ø392	570	520	100	60	484	248	22	4	Ø22	50
OVTG-450	Ø442	620	570	100	60	534	273	22	4	Ø22	60
OVTG-500	Ø492	670	620	100	60	584	298	22	4	Ø22	65
OVTG-600	Ø592	770	720	100	60	684	348	22	4	Ø22	75
OVTG-700	Ø692	870	820	100	60	784	398	22	4	Ø22	85
OVTG-800	Ø792	970	920	100	60	884	448	22	4	Ø22	95
OVTG-900	Ø892	1070	1020	100	60	984	498	22	4	Ø22	105

Performance characteristics and application scope

a) The overall standard structure is made of 304 stainless steel, and the internal components are all-metal elastic components. Materials can also be customized according to customer requirements to adapt to various working conditions.

b) The product is designed as an unique three-way equal stiffness structure and can be installed in the front, side or hoisted. All-metal structure has excellent oil resistance, solvent resistance, water resistance, chemical resistance, extreme temperature resistance and radiation resistance.

c) Its inner metal rubber material can ensure greater structural strength due to its nonlinear stiffness and good impact resistance and vibration reduction effect.

d) The product is not damaged under 15 times of rated load and can be reset and work normally; It has built-in limit device.

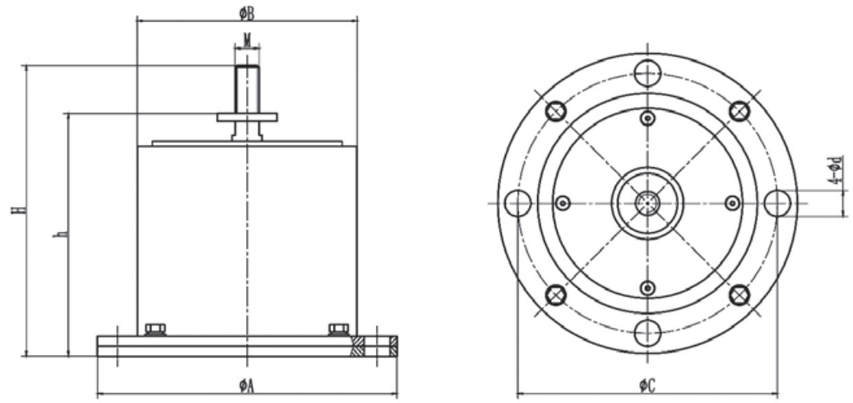
e) Its natural frequency ranges from 6 to 20Hz.

Storage life and service life

All-metal vibration isolator of this series has a storage life of 3 years and a service life of 10~15 years.

Organization responsible for design, production and technology

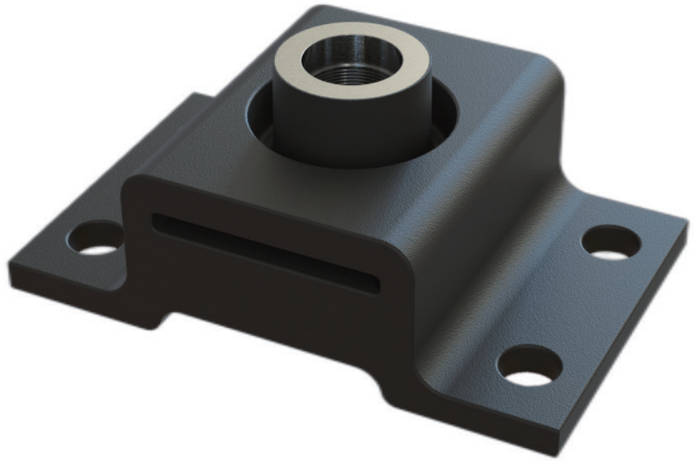
All-metal vibration isolator of this series are developed and produced by Wuxi OVICTOR Technology Co., Ltd. which also bears the responsibility of their technologies.



Model	Shape and connection dimensions							Weight ≦Kg
	H	h	ØA	ØB	M	ØC	Ød	
OVTX-25-8	125	105	Ø125	Ø100	M8	Ø112	Ø6.5	3
OVTX-40-6	125	105	Ø125	Ø100	M8	Ø112	Ø6.5	3
OVTX-60-8	125	105	Ø125	Ø100	M8	Ø112	Ø6.5	3
OVTX-85-8	145.5	121.5	Ø150	Ø110	M12	Ø130	Ø13	5
OVTX-100-8	145.5	121.5	Ø150	Ø110	M12	Ø130	Ø13	5
OVTX-100-20	154.5	130.5	Ø150	Ø110	M12	Ø130	Ø13	7
OVTX-150-8	145.5	121.5	Ø150	Ø110	M12	Ø130	Ø13	5

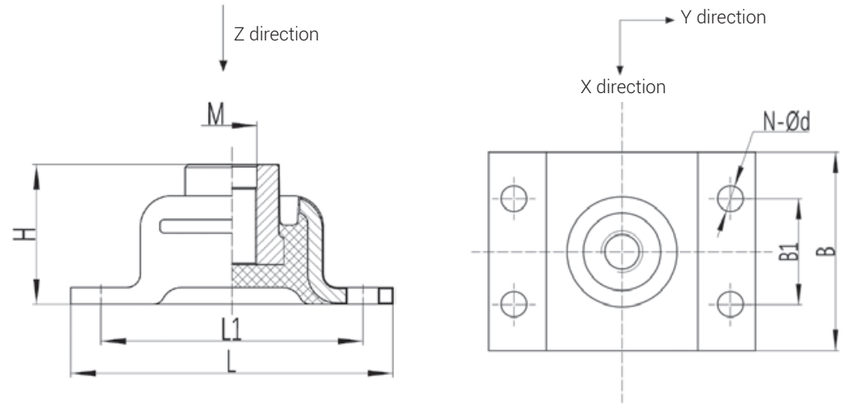
Model	Rated load (Kg)	Deformation under rated load (mm)	Natural frequency under rated load (Hz)	Damping Ratio
OVTX-25-8	25	5±1.5	8±1	0.1～0.24
OVTX-40-6	40	8±1.5	6±1	0.1～0.24
OVTX-60-8	60	5±1.5	8±1	0.1～0.24
OVTX-85-8	85	5±1.5	8±1	0.1～0.24
OVTX-100-8	100	5±1.5	8±1	0.1～0.24
OVTX-100-20	100	0.6±0.3	20±2	0.1～0.24
OVTX-150-8	150	5±1.5	8±1	0.1～0.24

BE-type shock absorber



Performance characteristics and application scope

- The shape and installation dimensions of BE-type shock absorber are the same as those of E-type and EA-type shock absorbers and can be replaced and exchanged.
- The natural frequency of BE-type shock absorbers under rated load is about 10Hz and is clearly lower than that of E-type and EA-type shock absorbers. Its vibration and impact isolation performance for various mechanical equipment for ships, roads and aviation with revolution greater than 1500-3000 rpm, such as diesel engine, fan, water pump, air compressor and motor is obviously improved compared with that of E-type and EA-type shock absorbers.
- BE shock absorber is provided with an anti-shedding protection structure which can still maintain the connection between equipment and shock absorber after the rubber body is damaged or broken and will not fall off.
- It can be installed horizontally, laterally hung and suspended.

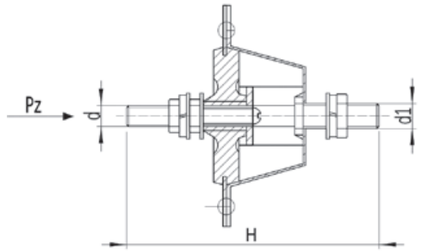


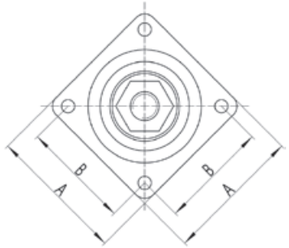
Model	Shape and connection dimensions (mm)								Weight (Kg)
	M	L	L1	H	B	B1	N	d	
BE3	M8	70	54	40	36	-	2	∅7	0.10
BE5	M8	70	54	40	36	-	2	∅7	0.10
BE10	M8	70	54	40	36	-	2	∅7	0.10
BE15	M8	70	54	40	36	-	2	∅7	0.10
BE25	M8	70	54	40	40	-	2	∅7	0.15
BE40	M10	85	68	46	55	-	2	∅9	0.25
BE60	M12	100	80	50	65	-	2	∅9	0.40
BE85	M14	120	100	60	70	-	2	∅11	0.70
BE120	M16	140	112	60	85	-	2	∅13	1.00
BE160	M18	145	115	62	90	-	2	∅13	1.20
BE220	M22	150	120	70	105	-	2	∅15	1.50
BE300	M24	155	125	75	115	60	4	∅15	1.80
BE400	M27	175	140	80	120	65	4	∅17	2.30

Model	Nominal Load (N)				Deformation (mm)	Dynamic Stiffness (N/mm)				Frequency (Hz)	Damping Ratio (c/Cc)
	Z Forward	Z Backward	Y	X	Z	Z Forward	Z Backward	Y	X		
BE3	30	20	40	15	3.5-5.0	12.1	13.3	31	11	10±1.5	0.07- 0.11
BE5	50	35	60	25		20	22	48	18.5		
BE10	100	70	120	50		40	44	96	37		
BE15	150	100	170	70		60	67	145	55		
BE25	250	170	300	150		100	110	241	92		
BE40	400	280	450	200		161	178	387	148		
BE60	600	400	700	300		242	266	580	222		
BE85	850	600	1000	400		342	377	822	315		
BE120	1200	800	1350	600		483	533	1280	445		
BE160	1600	1100	1800	800		644	710	1570	560		
BE220	2200	1500	2400	1100		880	977	2268	816		
BE300	3000	2000	3300	1500		1210	1332	3093	1110		
BE400	4000	2800	4300	1800		1610	1776	4120	1480		

Note: Z front is the rated load for pedestal installation and Z back is the rated load for hanging installation.

B-type reinforced shock absorber





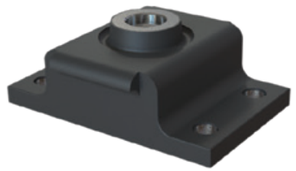
Model	A (mm)	B (mm)	H (mm)	d (mm)	d1 (mm)
B1	32	25	62.2	M4	M6
B2	45	35	89.5	M6	M8
B3	57	45	121	M10	M12

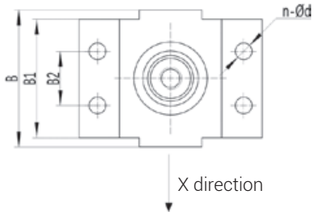
Model	Z direction Nominal Load (N)	Static deformation under rated load in Z direction (mm)			Inherent Frequency (Hz)	Damping Ratio (c/Cc)	Weight (Kg)
		Ambient temperature	Low temperature	High temperature			
B1-1	4.5	1.2~2.0	0.9~2.0	1.2~2.3	15±2	0.02	0.04
B1-2	9.0						
B1-3	13.5						
B1-4	18						
B1-5	22.5						
B2-4	18					0.05	0.1
B2-5	27						
B2-6	36						
B2-10	45						
B2-12	54						
B3-15	67.5						0.3
B3-20	90						
B3-25	112.5						
B3-35	157.5						

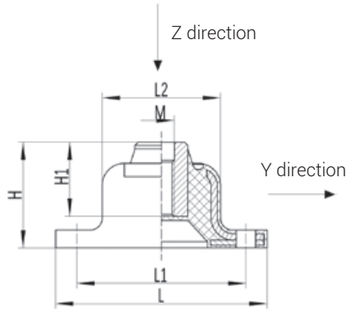
Performance characteristics and application scope

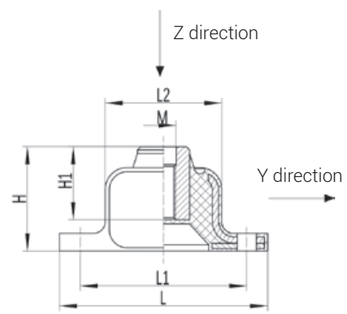
Applicable to protection, sound insulation and shock absorption of instruments, electrical appliances, lamps and light balancing machinery.

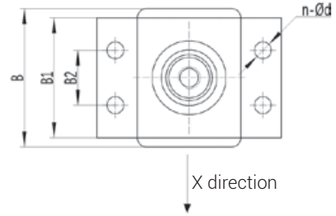
E&EA-type shock absorbers











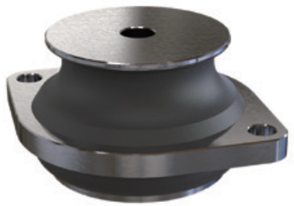
Model	Shape and connection dimensions (mm)										Weight (Kg)
	L	L1	L2	B	B1	B2	H	H1	M	n-d	
E10	70	54	40	35	-	-	40	27	M8	2-∅7	0.18
E15	70	54	40	40	-	-	40	27	M8	2-∅7	0.22
E25	70	54	40	40	-	-	40	27	M8	2-∅7	0.22
EA25	70	54	40	48	40	-	40	27	M8	2-∅7	0.22
E40	85	68	48	55	-	-	46	32	M10	2-∅9	0.42
EA40	85	68	48	63	55	-	46	32	M10	2-∅9	0.42
E60	100	80	56	65	-	-	50	35	M12	2-∅9.2	0.72
EA60	100	80	56	73	65	-	50	35	M12	2-∅9	0.72
E85	120	100	76	70	-	-	60	42	M14	2-∅11	1.14
EA85	120	100	76	80	70	-	60	42	M14	2-∅11	1.14
E120	140	112	80	85	-	-	60	46	M16	2-∅13	1.60
EA120	140	112	80	101	85	-	60	46	M16	2-∅13	1.60
E160	145	115	81	108	90	-	60	42	M18	2-∅13	1.95
EA160	145	115	81	108	90	-	60	42	M18	2-∅13	1.95
E220	150	120	86	118	110	-	60	42	M22	2-∅15	2.37
EA220	150	120	86	118	110	-	60	42	M22	2-∅15	2.37
E300	155	125	88	125	105	60	65	47	M24	4-∅15	2.90
EA300	155	125	88	125	105	60	65	47	M24	4-∅15	2.90
E400	175	140	96	130	110	65	65	47	M27	4-∅17	3.40
EA400	175	140	96	130	110	65	65	47	M27	4-∅17	3.40

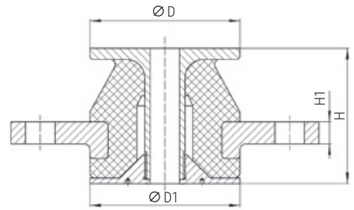
Model	Nominal Load (N)			Static deformation (mm)	Dynamic Stiffness (N/mm)			Inherent Frequency (Hz)			Damping Ratio (c/Cc)
	Z	X	Y		Z	X	Y	Z	X	Y	
E10	100	50	100	0.6±0.3	330	350	500	28.5	29.5	35	0.08~0.12
E15	150	100	150	0.7±0.3	450	430	660	27.0	27	33	
E25	250	100	250	0.9±0.3	750	690	880	27.0	26	29.5	
EA25	250	100	250	1.0±0.4	500	560	950	22.0	23.5	30.5	
E40	400	150	400	0.7±0.3	1300	740	1100	28.5	21.5	26	
EA40	400	150	400	1.2±0.4	870	800	1000	23.0	22.5	25	
E60	600	250	600	0.7±0.3	1600	900	1400	25.5	19.5	24	
EA60	600	250	600	1.2±0.4	1500	900	1900	25.0	19.5	28	
E85	850	350	850	0.6±0.3	2000	1000	1900	24.0	17	23.5	
EA85	850	350	850	1.0±0.4	1850	1000	2100	23.0	17	25	
E120	1200	500	1100	0.9±0.3	2500	1100	2100	23.0	15	21	
EA120	1200	500	1100	1.5±0.4	1530	800	1700	18.0	13	19	
E160	1600	700	1500	0.6±0.3	5500	1400	2800	29.0	14.5	21	
EA160	1600	700	1500	1.0±0.4	4000	1150	2450	25.0	13.5	19.5	
E220	2200	800	1900	0.6±0.3	7000	1500	3500	28.0	13	20	
EA220	2200	800	1900	1.1±0.4	4500	1400	2800	22.5	12.5	18	
E300	3000	900	2100	0.6±0.3	11000	2260	5500	30.0	13.5	21.5	
EA300	3000	900	2100	1.1±0.4	5600	1500	3350	21.5	11	16.5	
E400	4000	1000	2600	0.7±0.3	13000	2400	6200	28.5	12	20	
EA400	4000	1000	2600	1.4±0.4	6500	1700	5000	20.0	10.5	17.5	

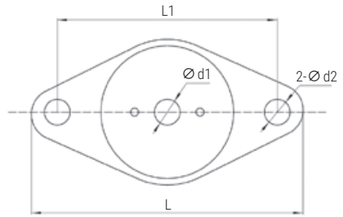
Performance characteristics and application scope

- E-type and EA-type protective rubber shock absorbers are mainly used for diesel engines, air compressors, water pumps, fans and other marine auxiliary machines, electronic and electrical equipment.
- E-type and EA-type protective rubber shock absorbers are provided with an anti-shedding protection structure which can still maintain the connection between equipment and shock absorber after the rubber body is damaged or broken.
- The natural frequency of E-type shock absorber under rated load is about 30Hz and the natural frequency of EA-type shock absorber is 23Hz, which is slightly lower than that of E-type shock absorber.
- It can be installed horizontally, laterally hung and suspended. It is also easy to install and disassemble.

6JX-type shock absorbers







Model	D	D1	L1	L	H1	H	d1	d2	Weight (Kg)
6JX-25	∅70	∅70	100	126	8	60	∅10	∅12	1.00
6JX-45	∅76	∅76	120	150	10	66	∅14	∅14	1.05
6JX-70	∅82	∅82	136	168	12	68	∅16	∅16	1.26
6JX-100	∅82	∅82	136	168	12	70	∅16	∅16	1.36
6JX-200	∅88	∅88	140	172	13	80	∅19	∅16	1.90
6JX-400	∅140	∅165	210	248	18	108	∅26	∅20	7.30
6JX-600	∅150	∅170	220	260	20	112	∅30	∅22	9.00
6JX-900	∅165	∅190	244	290	22	115	∅33	∅24	12.50
6JX-1200	∅193	∅224	288	340	26	135	∅36	∅26	21.0

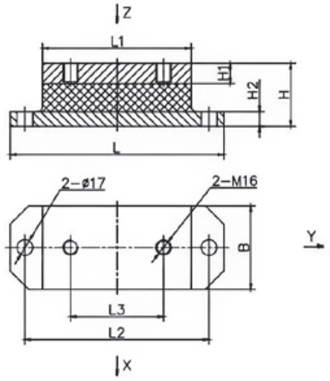
Model	Rated vertical load (Kg)	Scope of application (Kg)	Deformation Under Rated Load (mm)	Inherent Frequency (Hz)	Damping Ratio (c/Cc)
6JX-25N	25	20～25	7±1.5	8±1.5	0.06～0.10
6JX-25	25	20～25	7±1.5	7±1.5	0.04～0.06
6JX-45N	45	25～45	7±1.5	8±1.5	0.06～0.10
6JX-45	45	25～45	7±1.5	7±1.5	0.04～0.06
6JX-70N	70	45～70	8±1.5	8±1.5	0.06～0.10
6JX-70	70	45～70	8±1.5	7±1.5	0.04～0.06
6JX-100N	100	70～100	8±1.5	8±1.5	0.06～0.10
6JX-100	100	70～100	8±1.5	7±1.5	0.04～0.06
6JX-200N	200	100～200	10±2	8±1.5	0.06～0.10
6JX-200	200	100～200	10±2	7±1.5	0.04～0.06
6JX-400N	400	200～400	14±2	8±1.5	0.06～0.10
6JX-400	400	200～400	14±2	7±1.5	0.04～0.06
6JX-600N	600	400～600	16±2	8±1.5	0.06～0.10
6JX-600	600	400～600	16±2	7±1.5	0.04～0.06
6JX-900N	900	400～900	18±3	8±1	0.08～0.12
6JX-900	900	400～900	18±3	6±1.5	0.05～0.08
6JX-1200N	1200	600～1200	22±4	8±1	0.08～0.12
6JX-1200	1200	600～1200	22±4	6±1.5	0.05～0.08

Performance characteristics and application scope

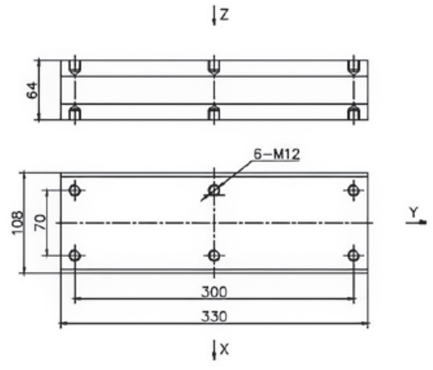
- The shock absorber of this type is designed as a closed structure which can ensure the connection between shock absorber and equipment and the normal operation of equipment even if the rubber body is damaged and broken.
- The product has low natural equifrequency. The natural frequency of shock absorber changes little when the load is between 1/2 load and rated load.
- Load: The deformation is nonlinear and gradually hardens;
- Wide load range, large deformation and good impact resistance;
- It is generally used under axial (Z-direction) load.

橡胶隔振器

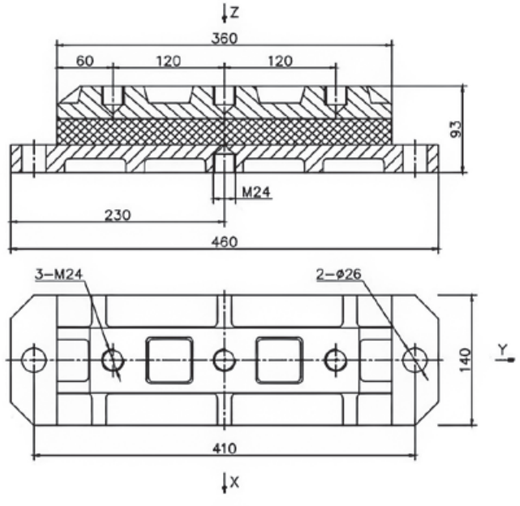
SH SeriesRubber vibration isolator



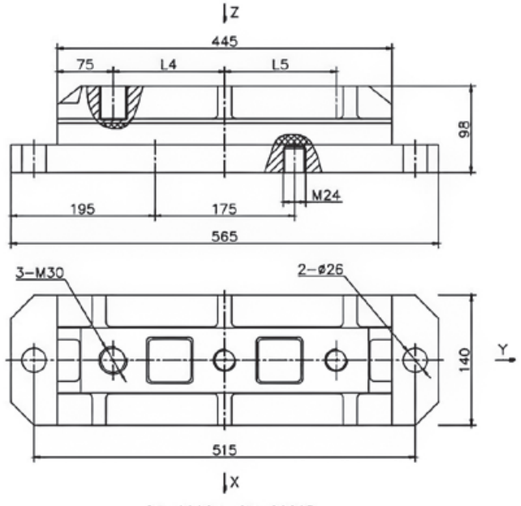
SH–500、SH–750



SH–1150



SH–1750



SH–2200A、SH–2200B

Dimensions

Model	L	L1	L2	L3	L4	L5	H	H1	H2	B
	mm									
SH-500	230	160	198	100	/	/	68	22	16	90
SH-750	280	200	238	100	/	/	68	22	16	110
SH-1150	Dimensions as shown in the figure									
SH-1750										
SH-2200A	/	/	/	/	150	145	/	/	/	/
SH-2200B	/	/	/	/	140	180	/	/	/	/

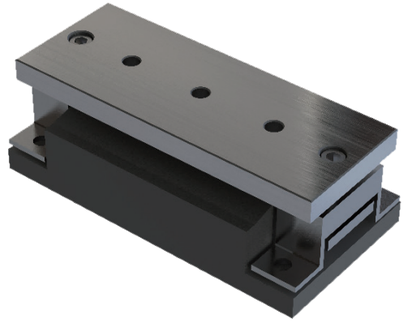
Performance parameters

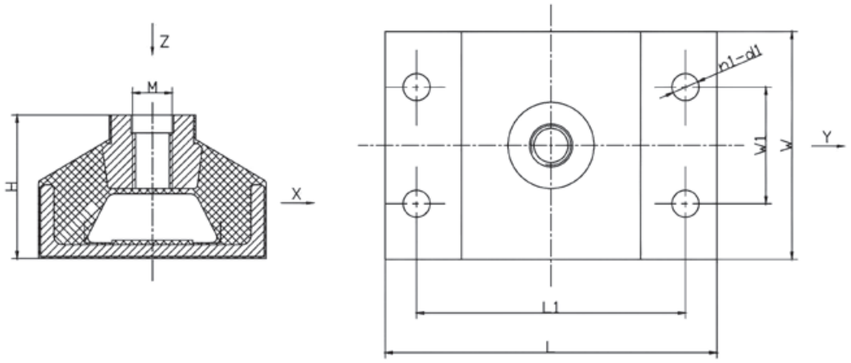
Model	Nominal Load (Kg)	Deformation (mm)	Operating Temperature Range (°C)	Weight
SH-500	500	0.6～1.1	-5 ～ +70	5.4
SH-750	750			8.2
SH-1150	1150	0.4～0.9		10.2
SH-1750	1750			19.1
SH-2200A	2200	0.3～0.9		25.9
SH-2200B				25

Performance characteristics

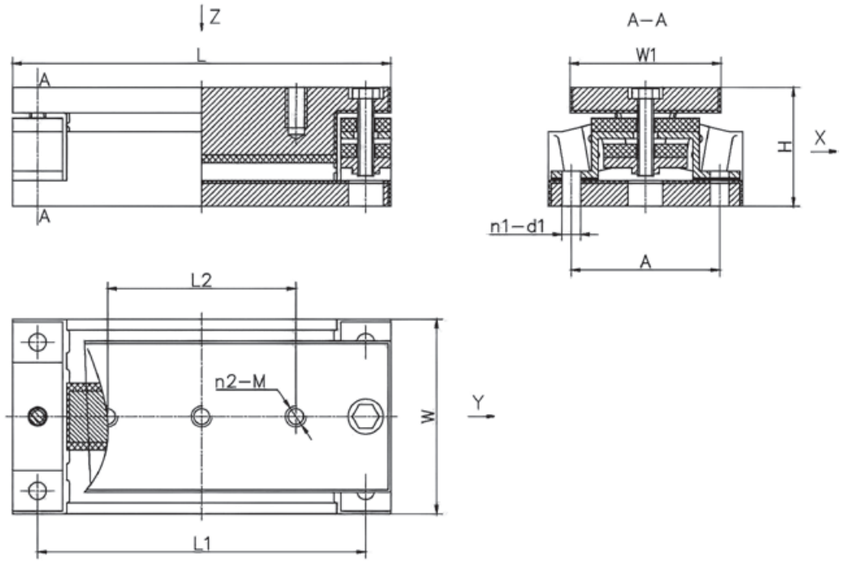
It is used for vibration reduction and sound insulation of marine machinery, main and auxiliary machinery and other equipment.

WH SeriesRubber vibration isolator





WH150、WH250、WH400



WHG600、WHG800、WHG1200、WHG1750

Dimensions

Model	L	L1	L2	H	W	W1	A	n1	d1	n2	M
	mm										
WH-150	185	150	/	80	127	65	/	4	∅15	1	M18
WH-250	185	150	/	80	127	65	/	4	∅17	1	M22
WH-400	185	150	/	80	127	65	/	4	∅19	1	M24
WHG-600	280	243	140	100	144	112	110	4	∅14	2	M16
WHG-800	334	297	194	100	144	112	110	4	∅14	3	M16
WHG-1200	340	296	200	130	204	115	168	4	∅20	3	M24
WHG-1750	460	403	240	130	204	115	168	4	∅20	3	M24

Performance parameters

Model	Rated load in Z direction (N)	Static deformation under rated load in Z direction (mm)	Natural frequency under rated load in Z direction (Hz)	Weight (kg)
WH-150	1500	12±2	6±1	3
WH-250	2500	12±2	6±1	3.3
WH-400	4000	12±2	6±1	3.5
WHG-600	6000	12±2	6±1.5	14.2
WHG-800	8000	12±2	6±1.5	17.1
WHG-1200	12000	12±2	6±1.5	28.1
WHG-1750	17500	12±2	6±1.5	38.3

Performance characteristics and application scope

- The natural frequency is lower under rated load, and the vibration isolation effect is better in a wide range of interference frequencies.
- If the damping ratio is appropriate, it can restrain formants to some extent.
- It is generally used for horizontal installation of equipment.
- It is oil resistant, seawater resistant, salt fog resistant and sunshine resistant.
- It can be widely used for vibration isolation and shock prevention of various pumps, fans, air compressors, diesel engines and other powered mechanical equipment as well as electronic and electrical equipment.