

Tensioners

Sprocket / Idler Accessories

Motorbases

Oscillating Mounts

Rubber Suspension Units

Anti-Vibration Mounts





Over a Century of Invention...

With its longstanding reputation for innovation, service and quality-driven work performance, Lovejoy, Inc. has developed the expertise to engineer products that address the complex needs of its customers' applications. No matter what the application, Lovejoy has the selection, service and solution for it.

Thomas Lovejoy established this company in 1900 as a manufacturer of tooling and machinery for the railroad and steel industries. The company's pioneer work over the next century in advancing manufacturing technologies has included the introduction of the industry standard Jaw-style coupling in 1927, as a first, incorporated rubber in-compression power transmission concept. Through the years, Lovejoy, Inc. continuously added to the power transmission elastomeric and metal coupling offering with the manufacturing of universal joints, variable speed pulley products, Uniflex, Torsional, S-Flex, Delta Flex, Gear, Disc, Curved Jaw, Jaw In-Shear as well as adding Motion Control and Grid. With the same trust earned in the Power Transmission Industry, Lovejoy, Inc. has grown to serve similar industries. For over sixty years, Lovejoy, Inc. has been offering to the hydraulics industry a full line of couplings, reservoirs and accessories, oil coolers, and pump / motor mounts. Lovejoy, Inc. also moved into additional industries more than thirty five years ago using elastomeric elements, which function as either a vibration control, spring action, tensioning device or bearing alternative.

Global in Reach, Service and Support...

Lovejoy, Inc. has grown to become an international market leader by expanding its reach into the global marketplace. Lovejoy products are available through a network of distributors, which are located in every major market throughout North America and in over 80 other countries. Lovejoy, Inc. ships more than 100,000 components each week. These components are exported globally – to Africa, Asia, Australia, Eastern and Western Europe, Central and South America, the Caribbean and the Middle East, as well as throughout North America. World headquarters are in Downers Grove, Illinois, USA with more than 400 employees worldwide, as well as business operations located in the United States, Canada and Germany. In the United States alone, there are more than 30 sales offices and regional warehouses.





Lovejoy, Inc. World Headquarters in Downers Grove, Illinois USA



Lovejoy continues to innovate and improve their products to optimally serve the many industries it supports.

Our Commitment to Customers...

Lovejoy, Inc. has a worldwide reputation for building and sustaining long-term customer satisfaction through quality of service, products and design reliability. Certified to ISO 9001:2008 International Standards for Quality Management, Lovejoy, Inc. manufactures all of its products to the exacting requirements of international standards such as AGMA, ANSI, SAE, DIN, JIS and Imperial. Lovejoy, Inc. is also an accepted supplier of products that match military specifications.

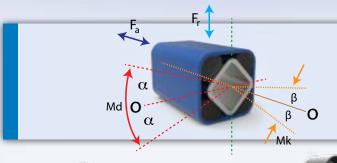
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TENSIONER DEVICES

RUBBER SUSPENSION



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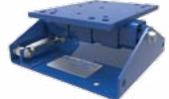




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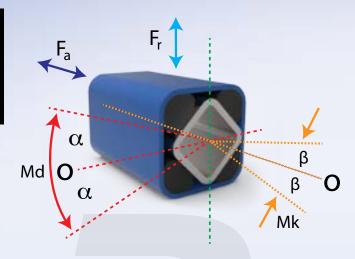


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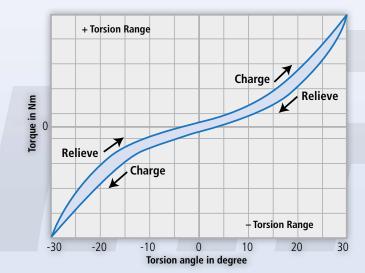
RunRight™ Product Technology

The leader in elastomeric tensioning devices.



What makes RunRight™ Products Superior

RunRight™ rubber suspension units are designed for use in applications requiring a torsional spring feature with angles of operation of +/- 30°. When using these units in an application, the torsional force that is applied as well as the radial, axial and/or cardanic forces need to be taken into consideration when sizing a unit. See page 51 for the applicable RunRight units' torque and load characteristics.



Spring Characteristic

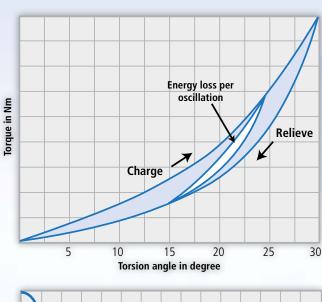
When the RunRight rubber suspension units are pivoted, a nearly linear spring characteristic occurs with a slightly progressive upper end, with a load applied close to a 30° rotation of the element. To obtain a functionally adapted spring characteristic, the leverage point may need to be altered and/or arm guidance may be needed through the use of a cam-disc. The volume of the elastomeric inserts will remain constant when in use.

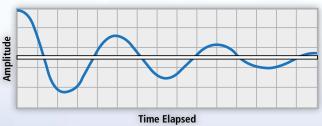
Element Dampening

The energy dampening that takes place with the RunRight unit is the resulting energy loss that occurs in the rubber inserts during the pivoting action of the spring device. When the unit is pivoted, part of the created energy generates heat or frictional work. The area between the load and relieve headline indicates the resulting energy loss of the unit. 15% to 20% on average of energy loss occurs when the unit is actuated from the "0" zero position up to 30°. However, with pre-tensioned units, the actuated working angle is reduced to a few degrees, resulting in a reduced energy loss, see "Energy loss per oscillation" on graph.

Vigorous unit oscillations fade quickly following each post-pulse oscillation due to the occurring high energy loss. This is an important attribute when using the RunRight unit for screen mountings. The effects of power loss on the screen during normal operation is negligible; however, during the shutdown phase, an important amplitude exaggeration occurs which is close to the resonance frequency of the RunRight unit. Thus the RunRight unit absorbs and dampens the exaggerations, resulting in high energy loss within a few post-pulse oscillations.

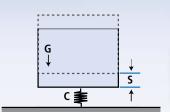






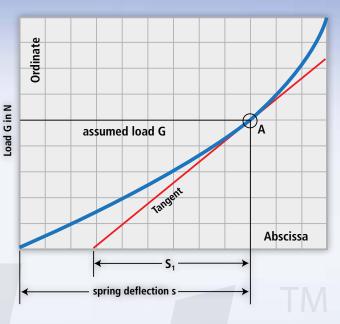
Natural Frequency

The calculation of the natural frequency of a RunRight™ suspension unit has to be solved by drawing the tangent line at the loading point "A" of the parabolic arc of the load deflection curve. The distance on the axis of the abscissa, i.e. resulting "S", designates the arithmetical spring deflection in mm which is required for the determination of the natural frequency.



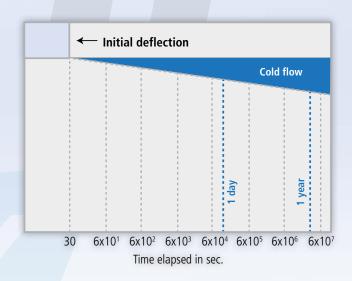
Natural frequency
$$n_e = \frac{300}{\sqrt{s_1} \text{ (in cm)}} = \text{RPM}$$

or $f_e = \frac{5}{\sqrt{s_1} \text{ (in cm)}} = \text{Hz}$
Example $s_1 = 5 \text{ cm}$: $n_e = \frac{300}{\sqrt{5.0}} \cong 134 \text{ RPM or 2.2 Hz}$



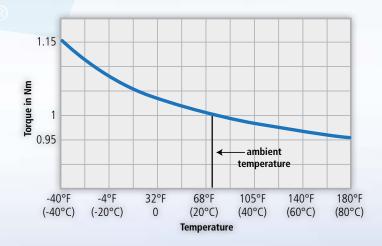
Cold Flow and Deformation

When a load is continually applied to an elastic material, such as the Tensys units, deformation or cold flow occurs. Cold flow appears during a linear logarithmic sequence. The corresponding chart shows that more than 50% of this deformation occurs after only one day of installation. Depending on the environmental temperatures and applied frequencies, after approximately one year of installation the total deformation of the units has occurred. The empirical settling factor of a RunRight rubber suspension unit is within 3° to 5°. Therefore, the inner square will not totally move back to the neutral position of the element. With applications where there are several units in a series or parallel configuration (i.e. the AB screen mountings) there is approximately +10% of effective cold flow of the nominal deflection curve. This effect must be taken into consideration when using RunRight units on screen mounting or axle bearings designs.



Temperature Effect

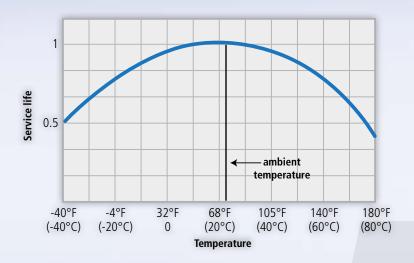
RunRight rubber suspension units manufactured with the Tensys[™] 10 elastic inserts are designed to be used between the temperatures of -40° to 180°F (-40° to 80°C). When temperatures rise the mechanical stiffness of the rubber inserts and the resulting element torque will decrease within acceptable tolerances to approximately -5% at 180°F (80°C). At temperatures below freezing the torsional element stiffness will increase to a maximum of +15% at -40°F (-40°C). Also, the hysteresis of the RunRight rubber suspension units will increase at lower temperatures and then decrease with rising temperatures. The internal molecular friction caused by the torque applied to the element will warm the rubber inserts in a continuous manner. Therefore, the effective element temperature can vary in relation to the temperature of the environment.



RunRight[™] Product Technology

Service Life

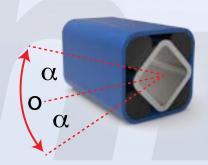
When the rubber suspension units are operating within the specified frequencies, oscillation angles, and recommended surrounding conditions, the unit's performance and function will be expected to perform for many years. Extremely low or high permanent temperatures will significantly shorten the life expectancy of the rubber suspension units. The Service Life Curve Chart shown to the right shows the life reduction at extreme high and low temperatures using a service life of 1 at the room temperature of 72°F (22°C).

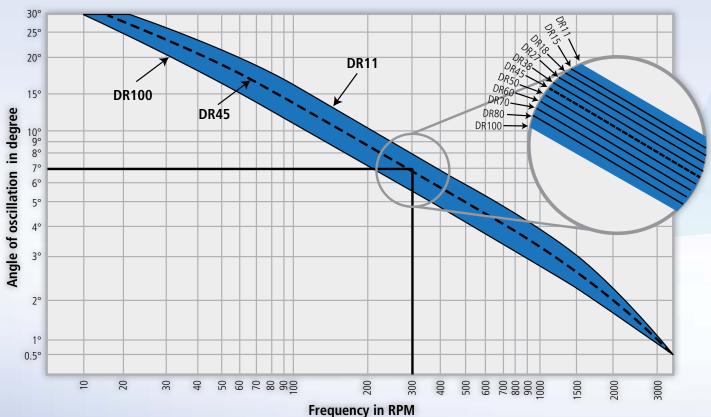


Allowable Element Frequencies

Selection chart below is used for the determination of the maximum allowable frequencies dependent on the rubber suspension unit size (DR11, 15, 18, etc.) and the oscillation angle. The higher the frequency, the lower the oscillation angle and the lower the frequency, the higher the oscillation angle as shown in the Allowable Element Frequencies below.

Example: A rubber suspension unit DR45 can be rotated from the neutral position of 0° to an oscillation angle of +/-7° with a maximum frequency of 300 RPM. Contact Lovejoy for applications of "pre-tensioned" elements working, i.e. under 15° of pre-tension and describing oscillation angles of +/-5° at 300 RPM.









Rubber Characteristics

The majority of RunRight™ rubber suspension units are manufactured with Tensys™ 10 natural rubber inserts. The high content of natural rubber in the Tensys 10 offers shape retention, a limited amount of deformation, high mechanical load capabilities and limited hardening of the inserts. Applications requiring high oil resistance, high heat resistance or higher torque capability requires a different elastomeric insert as shown in the chart below.

Rubber Compounds	Torque & Load Factor*	Operating Temperature F° (C°)	Rubber Type	Rubber Characteristics
Tensys™ 10	1.0	-40° to 180° (-40° to 80°)	Natural	Standard
Tensys™ 20	approximately 1.0	-22° to 195° (-30° to 90°)	Neoprene	Oil Resistant
Tensys [™] 30	approximately 1.0	-40° to 180° (-40° to 80°)	Natural	High-Dampening (motorbases only)
Tensys™ 40	approximately 0.6	180° to 250° (80° to 120°)	EPDM	High Temperature Resistant
Tensys [™] 50	approximately 3.0	-31° to 195° (-35° to 90°)	Urethane	High Torque
Note: ■ *Factor in re	elation to torque & loa	ds shown on standard se	election charts.	

Chemical Resistance

Standard RunRight rubber suspension units are manufactured with Tensys 10 elastic inserts. The quality of this rubber is due to the high content of natural rubber. This rubber offers a high chemical resistance to many solutions. There are some applications that would require synthetic elastomeric inserts. In these applications Tensys 20 or 40 would be required. When using the synthetic units, the characteristics of the inserts differ slightly, see Rubber Characteristics above for more information. The Chemical Resistance table below is a guideline for chemical compatibility. Please contact Lovejoy for specific applications regarding environmental conditions and the concentration of specific liquids or particulates that would come into contact with the rubber suspension units.

Tensys™	10	20	30	40	50
Acetone	+		+	++	
Alcohol	++	++	++	++	-
Benzene					
Caustic Soda Solution up to 25% (20°)	++	++	++	++	
Citric Acid	++	+	++	-	
Diesel		+			+
Formic Acid	+	+	+	-	
Glycerine	+	+	+	++	
Hydraulic Fluid	_	+	_		
Hydrochloric Acid up to 15%	++	+	++	-	
Javelle water	+	+	+	++	
Lactic Acid	++	++	++	++	+
Liquid Ammonia	+	+	+	++	
Lubricating grease and oil		+			+
Nitric Acid up to 10%		+		+	
Nitro thinner					
Fuel		-			++
Petroleum		+			++
Phosphoric Acid up to 85%					
Seawater	++	+	++	++	
Sulphuric Acid up to 10%	+	-	+	-	
Tannic Acid	++	+	++	++	
Toluene					
Treacle	++	++	++	++	-

Key: ++ excellent consistency

- + good consistency
- sufficient consistency
- -- insufficient consistency



Lovejoy, Inc has made every effort to assure the accuracy of the information contained in this catalog. However, Lovejoy, Inc. expressly disclaims any and all liability for the contents of this catalog including, but not limited to, errors, inaccuracies, misstatements, omissions and any incidental or consequential damages which may occur as the result of relying on this information. Lovejoy reserves the right to change specifications and information without notice.



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Safety Warning



When using Lovejoy products, you must follow these instructions and take the following precautions. Failure to do so may cause the power transmission product to break and parts to be thrown with sufficient force to cause severe injury or death.

Refer to this Lovejoy Catalog for proper selection, sizing, horsepower, torque range, and speed range of power transmission products, including elastomeric elements for couplings. Follow the installation instructions included with the product, and in the individual product catalogs for proper installation of power transmission products. Do not exceed catalog ratings.

Do not use any of these power transmission products for elevators, man lifts, or other devices that carry people. If the

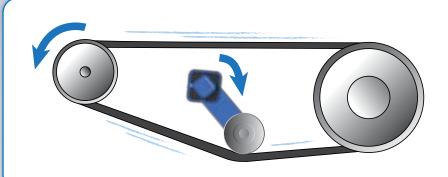
power transmission product fails, the lift device could fall resulting in severe injury or death.

For all power transmission products, you must install suitable guards in accordance with OSHA and American Society of Mechanical Engineers Standards. Do not start power transmission product before suitable guards are in place. Failure to properly guard these products may result in severe injury or death from personnel contacting moving parts or from parts being thrown from assembly in the event the power transmission product fails.

If you have any questions, contact the Lovejoy Engineering Department at 1-630-852-0500.

Tensioner Devices Usage Illustrations



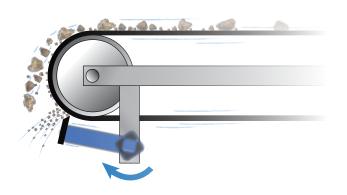


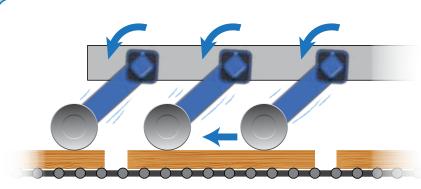
Low maintenance solution that provides a constant torque resulting in a high belt service life.



Effectively dampens belt vibrations by applying constant pressure that will continually clean conveyor belts and compensate for scraper wear.







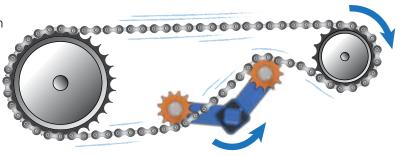
Accurately transports product by applying constant pressure. Offers a maintenance-free and cost-effective solution while providing a long service life.



Double-arm design provides quiet dual slack compensation and diminishes deterioration on rollers and bearing while dissipating system vibrations.



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RunRight™ Tensioner Device Selection Guide

RunRight	™ Mode		Application Notes	Working Temperature
3			Tensioner Devices	
- In language &	SE	Standard Tensioner	For most Applications Powder Metal / Cast Iron Housings • Cast Iron Arm & Inner Square • Painted Blue Finish • Tensys™ 10 Natural Rubber Inserts	-40° to 180°F (-40° to 80°C)
Commert.	SE-G	Oil Resistant	For Oily Applications Powder Metal / Cast Iron Housings ● Cast Iron Arm & Inner Square ● Galvanized Zinc Finish ● Tensys™ 20 Synthetic Rubber Inserts ● Marked with yellow dot	-22° to 180°F (-30° to 80°C)
- I - I make I	SE-W	Heat Resistant	For Applications in excess of 180°F (80°C) Powder Metal / Cast Iron Housings ● Cast Iron Arm & Inner Square ● Painted Blue Finish ● Tensys™ 40 Hi-Temp. Rubber Inserts ● Marked with red dot	180° to 250°F (80° to 120°C)
- Propert	SE-R	Steel Reinforced lever arm	For use on IC Engines and Compressors Powder Metal / Cast Iron Housings ● Fully Welded Steel Arm & Inner Square ● Painted Blue Finish ● Tensys™ 10 Natural Rubber Inserts. ● Marked with white dot	
	SE-I	Stainless Steel (INOX)	For use in food and pharmaceutical industries Cast Stainless Steel Housings & Arms ● Natural (uncoated) Finish ● Tensys™ 10 Natural Rubber Inserts	
	SE-F	Front Mount Tensioner	For applications where it is impossible to access standard mounting bolt Powder Metal / Cast Iron Housings • Cast Iron Arm & Inner Square • Painted Blue Finish • Tensys™ 10 Natural Rubber Inserts	-40° to 180°F (-40° to 80°C)
	SE-B	Double Arm Tensioner	For the tensioning of very long chain and belt drives Powder Metal / Cast Iron Housings • Cast Iron Arm & Inner Square • Painted Blue Finish • Tensys™ 10 Natural Rubber Inserts	
	DAT	Dual Arm Tensioner		
	PT	Plastic Tensioner	For light duty applications Plastic Arms & Base ● Dual Arm Design ● Tensys™ 10 Natural Rubber Inserts	-22° to 120°F (-30° to 50°C)
	IJ	Large Tensioner	For very large HD applications Dual Arm Design • Wide Range of Rollers and Sprockets Available • Based on the tensioning motorbase frame • Tensys™ 30 Natural Rubber Inserts	-40° to 180°F (-40° to 80°C)
			Chain Drive Accessories	
	Spro	cket Wheel Set	Allows easy & accurate chain alignment	
-	Spro	ket Wheel Only	Permanently lubricated Ball Bearings • Sets include idler hardware	400 + 24005
	Ch	ain Rider Set	Allows easy & accurate chain alignment	-40° to 210°F (-40° to 100°C)
04	Chain Rider Set Chain Rider Only		For smooth & quiet chain tensioning • Maximum allowed chain speed 1.5 m/sec. • Material: POM-H	
			Belt Drive Accessories	
	Tensioning Roller		Primarily uses as backside belt tensioner Also used as a material feed hold-down ● Available in Plastic or Aluminum ● Permanently lubricated Ball Bearings	-31° to 210°F (-35° to 100°C)
60	Steel Idler Pulleys		Pulleys for inside and backside tensioning of V-belts Flat Belt or Chain Idler Pulley for backside tensioning ● Permanently lubricated Ball Bearings	-40° to 210°F (-40° to 100°C)

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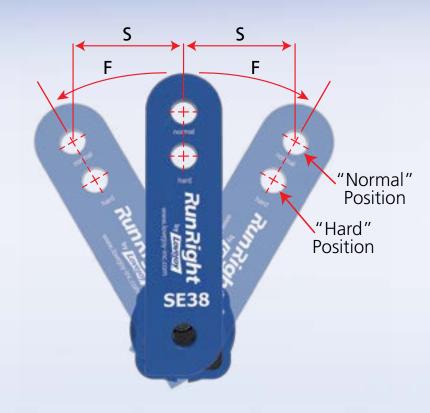
RunRight[™] Tensioner Devices

Tensioner Technology

Install RunRight™ tensioners on a rigid, flat and clean machine surface using the mounting bolt provided. The frictional contact between the tensioner housing and the machine surface is usually sufficient for proper installation. If the surface of the machine is uneven or highly corroded, a locking pin can be used at the positioning notch for a secure connection to a machine's irregular surface.

Tensioning Force

The tensioning force of the RunRight tensioner can be continuously adjusted. The maximum installation tensioning torque is 30° from the neutral position. The tensioning forces for the SE, SE-G, SE-R, SE-F and SE-I using the normal hole on the tensioner arm for the idler sprocket, chain and roller accessories are in the chart below. When using the hard hole on the tensioner arm, the tensioning force will increase by approximately 25% from what is shown in this chart.



					Tension	nsioning Force @ "Normal" Position								
Tensioner Size	1	0° Pre-Tens	ioning Ang	le	2	0° Pre-Tens	ioning Ang	le	3	30° Pre-Tensioning Angle				
SIZC	F (n)	F (lbs)	S (mm)	S (in)	F (n)	F (lbs)	S (mm)	S (in)	F (n)	F (lbs)	S (mm)	S (in)		
11	15	3.4	14	0.6	40	9.0	28	1.1	80	18.0	40	1.6		
15	25	5.6	17	0.7	65	14.6	34	1.3	135	30.3	50	2.0		
18	75	16.9	17	0.7	180	40.5	34	1.3	350	78.7	50	2.0		
27	150	33.7	22	0.9	380	85.4	44	1.7	800	179.8	65	2.6		
38	290	65.2	30	1.2	730	164.1	60	2.4	1500	337.2	87	3.4		
45	500	112.4	39	1.5	1300	292.3	78	3.1	2600	584.5	112	4.4		
50	750	168.6	43	1.7	2150	483.3	86	3.4	4200	944.2	125	4.9		

Notes: SE-I 40 same tensioner force as SE38. SE-W tensioners approximately 40% lower tensioning forces as the standard SE Tensioners. Mounting accessories into the "Hard" Position results in approximately 25% Higher Tensioning force over "Normal" Position.

Mounting Bo	lt Tightening Tor	que
Size	Grade 8.8	Grade 12.9 shipped with SE-F
M6	10 Nm	17 Nm
M8	25 Nm	41 Nm
M10	49 Nm	83 Nm
M12	86 Nm	145 Nm
M16	210 Nm	355 Nm
M20	410 Nm	690 Nm
M24	750 Nm	_

cterstics			
Torque & Load Factor*	Operating Temperature F° (C°)	Rubber Type	Rubber Characteristics
1.0	-40° to 180° (-40° to 80°)	Natural	Standard
approximately 1.0	-22° to 195° (-30° to 90°)	Neoprene	Oil Resistant
approximately 1.0	-40° to 180° (-40° to 80°)	Natural	High-Dampening (motorbases only)
approximately 0.6	180° to 250° (80° to 120°)	EPDM	High Temperature Resistant
approximately 3.0	-31° to 195° (-35° to 90°)	Urethane	High Torque
	Torque & Load Factor* 1.0 approximately 1.0 approximately 1.0 approximately 0.6	Torque & Load Factor* 1.0 -40° to 180° (-40° to 80°) approximately 1.0 approximately 1.0 approximately 1.0 approximately 1.0 approximately 1.0 approximately 0.6 approximately 0.6 approximately 0.6 -31° to 195° -31° to 195°	Torque & Load Factor* Operating Temperature F° (C°) Rubber Type 1.0 -40° to 180° (-40° to 80°) Natural approximately 1.0 -22° to 195° (-30° to 90°) Neoprene approximately 1.0 -40° to 180° (-40° to 80°) Natural approximately 0.6 180° to 250° (80° to 120°) EPDM approximately 3.0 -31° to 195° Urethane

by Lovejoy

Tensioner Devices SE, SE-G, SE-W, SE-R (Imperial)

RunRight™ Tensioners Type SE, SE-G, SE-W, SE-R

RunRight[™] SE tensioners offer a full range of belt and chain tensioners. They are manufactured with the standard Tensys™ 10 rubber inserts and can be used for applications operating within a -40° to 180°F (-40° to 80°C) temperature range.

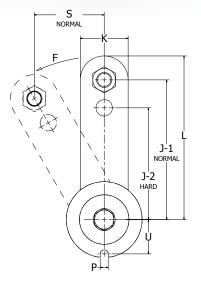
RunRight SE-G tensioners are manufactured with galvanized powder metal parts and are designed for outdoor or oily applications. The Tensys 20 neoprene inserts are oil resistant and can be used for applications operating within a -22° to 195°F (-30° to 90°C) temperature range.

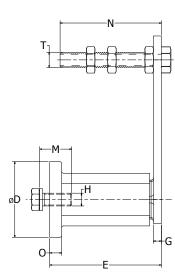
RunRight SE-W tensioners enable a reduction of tensioning force of up to 40% when compared to the SE and SE-G tensioners. The Tensys 40 heat resistant rubber inserts are ideal for applications operating within a 180° to 250°F (80° to 120°C) temperature range.

RunRight SE-R tensioners are for use on internal combustion engines and compressors. They are manufactured with powder metal or cast iron housings, fully welded steel arms and inner square, come with the standard Tensys 10 rubber inserts and can be used for applications operating within a -40° to 180°F (-40° to 80°C) temperature range.

The SE11 to SE27 housings are manufactured from powder metal, anything larger is manufactured out of cast iron. All arms and inner squares are cast iron. All of the tensioners include a zinc plated mounting screw and locking washer.





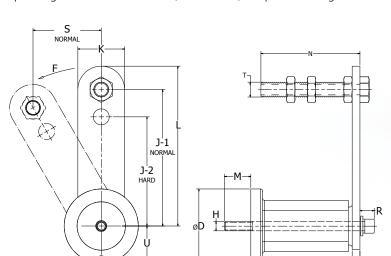


Tensioners Typ	Tensioners Type SE, SE-G, SE-W, SE-R (includes Imperial Idler Hardware)														
UPC #	Time							Dimension	s - Inches						
UPC#	Туре	D	E	G	Н	J-1	J-2	K	L	М	N	0	P	T	U
68514417451	SE11	1.38	2.01	0.20	M6	3.15	2.36	0.79	3.54	20mm	2.00	0.24	0.31	3/8-16	0.65
68514426709	SE-G 11	1.30	2.01	0.20	IVIO	3.13	2.30	0.79	3.34	2011111	2.00	0.24	0.51	3/0-10	0.03
68514417452	SE15														
68514425597	SE-G 15	1.77	2.52	0.20	M8	3.94	3.15	0.98	4.43	25mm	2.00	0.31	0.33	1/2-13	0.82
68514457517	SE-W 15	1.//	2.32	0.20	IVIO	3.34	3.13	0.30	4.43	2311111	2.00	0.51	0.55	1/2-13	0.02
68514483883	SE-R 15														
68514417453	SE18														
68514417490	SE-G 18	2.28	3.11	0.24	M10	3.94	3.15	1.18	4.53	30mm	2.50	0.41	0.33	1/2-13	1.00
68514453285	SE-W 18	2.20	3.11	0.24	I WITO	3.34	3.13	1.10	4.33	30111111	2.30	0.41	0.55	1/2-13	1.00
68514483881	SE-R 18														
68514417454	SE27														
68514417491	SE-G 27	3.07	4.25	0.31	M12	5.12	3.94	1.97	6.10	40mm	3.50	0.59	0.41	1/2-13	1.35
68514453287	SE-W 27	3.07	4.23	0.51	IVITZ	J.12	3.34	1.37	0.10	4011111	3.30	0.59	0.41	1/2-13	1.33
68514481601	SE-R 27														
68514417455	SE38														
68514417492	SE-G 38	3.74	5.51	0.39	M16	6.89	5.51	2.36	8.07	40mm	5.00	0.59	0.49	3/4-10	1.65
68514453289	SE-W 38														
68514417456	SE45														
68514417493	SE-G 45	4.53	7.87	0.47	M20	8.86	7.09	2.76	10.24	50mm	6.00	0.71	0.49	3/4-10	2.05
68514453291	SE-W 45														
68514453341	SE50														
68514463652	SE-G 50	5.12	8.27	0.79	M24	9.84	7.87	3.15	11.42	60mm	6.00	0.79	0.67	3/4-10	2.26
68514457519	SE-W 50														
Note: ■ See pages	11 and 12 for	additiona	l product ar	nd perform	ance data										

SE-F (Imperial)

RunRight™ Tensioners Type SE-F (Front Mount)

RunRight™ SE-F tensioners are designed for front mounting applications where access to back side or rear mounting surfaces is not possible. A single threaded hole is required to mount these tensioners. These tensioners include a special mounting screw and spacer bushing. They are manufactured with powder metal or cast iron housings, cast iron arms and inner square, come with the standard Tensys™ 10 rubber inserts, and can be used for applications operating within a -40° to 180°F (-40° to 80°C) temperature range.







Tensioners Typ	e SE-F (inc	cludes I	mperial I	dler Ha	rdware))										
UDC #	Time		Dimensions - Inches													
UPC #	Туре	D	E	G	Н	J-1	J-2	K	L	М	N	0	P	R	Т	U
68514453273	SE-F 15	1.77	2.52	0.20	M6	3.94	3.15	0.98	4.43	0.47	2.00	0.31	0.33	0.39	1/2-13	0.82
68514453275	SE-F 18	2.28	3.11	0.24	M8	3.94	3.15	1.18	4.53	0.71	2.50	0.41	0.33	0.43	1/2-13	1.00
68514453277	SE-F 27	3.07	4.25	0.31	M10	5.12	3.94	1.97	6.10	0.67	3.50	0.59	0.41	0.59	1/2-13	1.35
68514453279	SE-F 38	3.74	5.51	0.39	M12	6.89	5.51	2.36	8.07	0.63	5.00	0.59	0.49	0.67	3/4-10	1.65
68514453281	SE-F 45	4.53	7.87	0.47	M16	8.86	7.09	2.76	10.24	1.26	6.00	0.71	0.49	0.94	3/4-10	2.05
68514453283	SE-F 50	5.12	8.27	0.79	M20	9.84	7.87	3.15	11.42	0.90	6.00	0.79	0.67	1.06	3/4-10	2.26

G

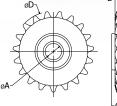
Notes: ■ Front Mounting versions of RunRight™ Series SE-G, SE-W and SE-I Tensioners are available for special requests.

RunRight™ Single and Double Strand Sprockets

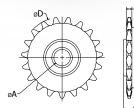
Single Strand	Sprockets						
UPC #	Time		Dime	nsions -	Inches		Use with
UPC#	Туре	Α	В	С	D	# Teeth	Tensioner Size
68514417458	25BB20	0.38	0.11	0.38	1.72	20	SE11
68514417459	35BB19	0.50	0.17	0.44	2.48	19	SE15/18
68514417460	40BB18	0.50	0.28	0.44	3.14	18	SE15/18
68514417461	41BB18	0.50	0.23	0.44	3.14	18	SE15/18
68514417462	50BB17	0.50	0.34	0.44	3.72	17	SE27
68514417463	60BB15	0.50	0.46	0.44	3.98	15	SE27
68514417464	80BB12	0.75	0.58	0.44	4.34	12	SE38
68514417465	100BB11	0.75	0.68	0.69	5.00	11	SE45
68514417466	120BB9	0.75	0.92	1.00	5.02	9	SE45

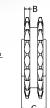
Double Strand	Sprocket	s					
68514417467	D35BB19	0.50	0.16	0.44	2.48	19	SE15/18
68514417468	D40BB18	0.50	0.28	0.44	3.14	18	SE18
68514417469	D50BB17	0.50	0.33	0.44	3.72	17	SE27
68514417470	D60BB15	0.50	0.46	0.44	3.98	15	SE27
68514417471	D80BB12	0.75	0.58	0.44	4.34	12	SE38
68514443442	D100BB11	0.75	0.68	0.69	5.00	11	SE45











[■] See pages 11 and 12 for additional product and performance data.

SE, SE-G, SE-W, SE-I (Metric)

RunRight[™] Tensioners Type SE, SE-G, SE-W (Metric)

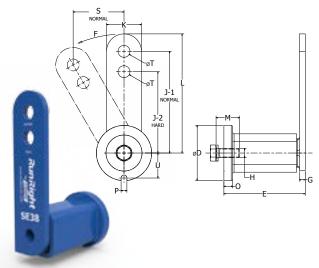
RunRight[™] SE tensioners offer a full range of belt and chain tensioners. They are manufactured with the standard Tensys[™] 10 rubber inserts and can be used for applications operating within a -40° to 180°F (-40° to 80°C) temperature range.

RunRight SE-G tensioners are manufactured with galvanized powder metal parts and are designed for outdoor or oily applications. The Tensys 20 neoprene inserts are oil resistant and can be used for applications operating within a -22° to 195°F (-30° to 90°C) temperature range.

RunRight SE-W tensioners enable a reduction of tensioning force of up to 40% when compared to the SE and SE-G tensioners. The Tensys 40 heat resistant rubber inserts are ideal for applications operating within a 180° to 250°F (80° to 120° C) temperature range.

The SE11 to SE27 housings are manufactured from powder metal, anything larger is manufactured out of cast iron. All arms and inner squares are cast iron. All of the tensioners include a zinc plated mounting screw and locking washer.



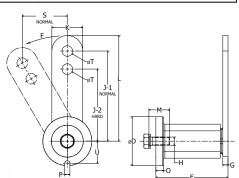


LIDC #	T						Din	nensions	- Millimet	ers					
UPC #	Туре	D	Е	G	Н	J-1	J-2	K	L	М	N	0	Р	T	U
68514485264	SE11-M	35	51	5	M6	80	60	20	90.0	20	22	6.0	8.0	8.5	16.5
68514485257	SE-G 11-M	33	31	5	IVIO	00	00	20	90.0	20	22	0.0	0.0	6.5	10.5
68514485265	SE15-M														
68514485258	SE-G 15-M	45	64	5	M8	100	80	25	112.5	25	30	8.0	8.5	10.5	20.8
68514485271	SE-W 15-M														
68514485266	SE18-M														
68514485259	SE-G 18-M	58	79	7	M10	100	80	30	115.0	30	35	10.5	8.5	10.5	25.3
68514485272	SE-W 18-M														<u> </u>
68514485267	SE27-M														
68514485260	SE-G 27-M	78	108	8	M12	130	100	50	155.0	40	52	15.0	10.5	12.5	34.3
68514485273	SE-W 27-M														<u> </u>
68514485268	SE38-M														ł
68514485261	SE-G 38-M	95	140	10	M16	175	140	60	205.0	40	66	15.0	12.5	20.5	42.0
68514485274	SE-W 38-M														
68514485269	SE45-M														ł
68514485262	SE-G 45-M	115	200	12	M20	225	180	70	260.0	50	80	18.0	12.5	20.5	52.0
68514485275	SE-W 45-M														<u> </u>
68514485270	SE50-M														
68514485263	SE-G 50-M	130	210	20	M24	250	200	80	290.0	60	87	20.0	17.0	20.5	57.5
68514485276	SE-W 50-M														1

RunRight™ Tensioners Type SE-I

RunRight SE-I tensioners are for use in the food and pharmaceutical industries. They are manufactured with cast stainless steel housings, arms and inner square. They come with the standard Tensys 10 rubber inserts and can be used for applications operating within a -40° to 180°F (-40° to 80°C) temperature range.





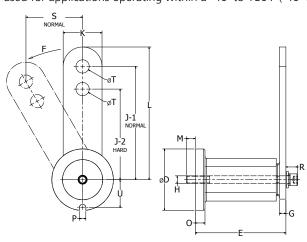
Tensioners Type	Tensioners Type SE-I (INOX) (Stainless Steel) for Metric Idler Hardware														
UDC #	UPC # Type Dimensions - Millimeters														
UPC#	Туре	D	E	G	Н	J-1	J-2	K	L	М	N	0	P	T	U
68514485681	SE-I 11	35	51	5	M6	80	60	20	90.0	20	22	6.0	8.0	8.5	16.5
68514463014	SE-I 15	45	64	5	M8	100	80	25	112.5	25	30	8.0	8.5	10.5	20.8
68514463015	SE-I 18	58	79	7	M10	100	80	30	115.0	30	35	10.5	8.5	10.5	25.3
68514463016	SE-I 27	78	108	8	M12	130	100	50	155.0	40	52	15.0	10.5	12.5	34.3
68514463017	SE-I 40	100	140	10	M16	175	140	70	205.0	40	66	15.0	12.5	20.5	41.5

Tensioner Devices **SE-F (Metric)**



RunRight™ Tensioners Type SE-F (Front Mount)

RunRight™ SE-F tensioners are designed for front mounting applications where access to back side or rear mounting surfaces is not possible. A single threaded hole is required to mount these tensioners. These tensioners include a special mounting screw and spacer bushing. They are manufactured with powder metal or cast iron housings, cast iron arms and inner square, come with the standard Tensys™ 10 rubber inserts, and can be used for applications operating within a -40° to 180°F (-40° to 80°C) temperature range.



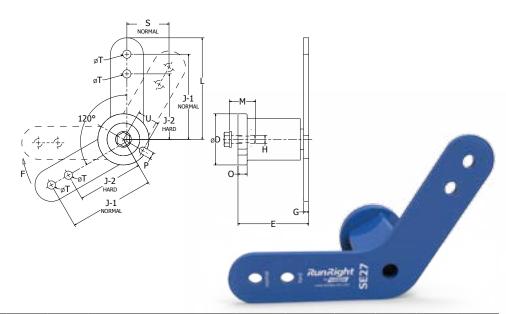


Tensioners Type	Tensioners Type SE-F (for use with metric Idler Hardware)														
UDC #	T						Dime	nsions -	Millimeter	s					
UPC #	Туре	D	E	G	Н	J-1	J-2	К	L	М	0	Р	R	T	U
68514485026	SE-F 15-M	45	64	5	M6	100	80	25	112.5	12	8.00	8.5	10	10.5	20.8
68514485027	SE-F 18-M	58	79	7	M8	100	80	30	115.0	18	10.5	8.5	11	10.5	25.3
68514485028	SE-F 27-M	78	108	8	M10	130	100	50	155.0	17	15.0	10.5	15	12.5	34.3
68514485029	SE-F 38-M	95	140	10	M12	175	140	60	205.0	16	15.0	12.5	17	20.5	42.0
68514485030	SE-F 45-M	115	200	12	M16	225	180	70	260.0	32	18.0	12.5	24	20.5	52.0
68514485031	SE-F 50-M	130	210	20	M20	250	200	80	290.0	23	20.0	17.0	27	20.5	57.5

RunRight™ Tensioners Type SE-B

RunRight SE-B tensioners are designed for longer length chain drive applications. They are manufactured with powder metal or cast iron housings, cast iron arms and inner squares, come with the standard Tensys 10 rubber inserts, and can be used for applications operating within a -40° to 180°F (-40° to 80°C) temperature range.

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Tensioners Typ	oe SE-B (fo	r use wi	th metric	Idler Ha	rdware)									
LIDC #	Time						Dimens	ions - Millin	neters					
UPC #	Туре	D	E	G	Н	J-1	J-2	K	L	М	0	P	T	U
68514463729	SE-B 18	58	78	6	M10	100	80	30	115	30	35	10.5	10.5	25.3
68514463730	SE-B 27	78	108	8	M12	130	100	50	155	40	52	10.5	12.5	34.3
Note: ■ See pages	11 and 12 for	r additiona	product and	performar	nce data.			•						

Accessories - Sprockets

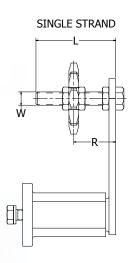


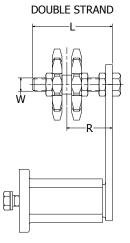
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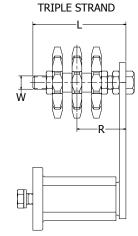
RunRight™ Idler Sprockets

Ball Bearing Idler Sprockets are available for ANSI #35 through #120 roller chains for single, double and triple strand drives. The bearings are self-lubricating and double sealed for longer life. Available in sets (includes idler bolt & nuts) and as individual components.









ANSI Single Strand Sprocket Sets												
UPC #	Time	Pitch	ANSI		Dimens	ions - Mill	ime	ters		Tensioner		
UPC#	Туре	Pitti	Chain	w	L	R Adju	stin	g Range	# Teeth	Size		
68514484965	25BB20 M8 SET	1/4"	#25	M8	45	18	-	36	20	SE11-M		
68514484966	35BB19 M10 SET	3/8"	#35	M10	55	22	-	43	19	SE15-M		
68514484967	40BB18 M10 SET	1/2"	#40	M10	55	23	-	44	18	SE15/18-M		
68514484968	41BB18 M10 SET	1/2"	#41	M10	55	23	-	44	18	SE15/18-M		
68514484969	50BB17 M12 SET	5/8"	#50	M12	80	27	-	65	17	SE27-M		
68514484970	60BB15 M12 SET	3/4"	#60	M12	80	40	-	80	15	SE27-M		
68514484971	60BB15 M20 SET	3/4"	#60	M20	100	40	-	80	15	SE38-M		
68514484972	80BB12 M20 SET	1"	#80	M20	100	40	-	80	12	SE-38-M		
68514484973	100BB11 M20 SET	1-1/4"	#100	M20	100	40	-	80	11	SE45-M		
68514484974	120BB9 M20 SET	1-1/2"	#120	M20	140	40	Τ-	120	9	SE45-M		

ANSI Double Strand Sprocket Sets												
68514484975	D35BB19 M10 SET	3/8"	#35	M10	55	27	-	39	19	SE15-M		
68514484976	D40BB18 M10 SET	1/2"	#40	M10	55	30	<u> [-</u>]	37	18	SE15/18-M		
68514484978	D50BB17 M12 SET	5/8"	#50	M12	80	36	-	57	17	SE27-M		
68514484979	D60BB15 M12 SET	3/4"	#60	M12	80	37	<u> [-]</u>	56	15	SE27-M		
68514484980	D60BB15 M20 SET	3/4"	#60	M20	120	50	-	90	15	SE38-M		
68514484981	D80BB12 M20 SET	1"	#80	M20	120	55	<u> [-]</u>	84	12	SE38-M		
68514484982	D100BB11 M20 SET	1-1/4"	#100	M20	140	60	-	102	11	SE45-M		
68514484983	D120BB9 M20 SET	1-1/2"	#120	M20	140	65	T-	97	9	SE45-M		

ANSI Triple Strand Sprocket Sets												
68514484984	T35BB19 M10 SET	3/8"	#35	M10	70	33	T-	48	19	SE18-M		
68514484985	T40BB18 M10 SET	1/2"	#40	M12	80	41	T-	51	18	SE27-M		
68514484987	T50BB17 M12 SET	5/8"	#50	M12	80	43	[-]	50	17	SE27-M		
68514484988	T60BB15 M12 SET	3/4"	#60	M12	120	56	-	84	15	SE27-M		
68514484989	T60BB15 M20 SET	3/4"	#60	M20	120	59	[-]	80	15	SE38-M		
68514484990	T80BB12 M20 SET	1"	#80	M20	160	74	-	108	12	SE45-M		
68514484991	T100BB11 M20 SET	1-1/4"	#100	M20	160	78	[-]	105	11	SE45/50-M		
68514484992	T120BB9 M20 SET	1-1/2"	#120	M20	180	90	-	111	9	SE45/50-M		

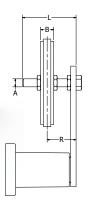
Accessories - Chain Drives

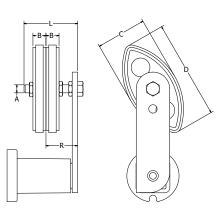


RunRight[™] Chain Riders

The RunRight™ chain rider is made from high strength industrial polymers and are shaped for use on either side of the rider. For use with chain speeds of 5 ft/sec or less, the chain riders provide an economical and quieter solution than sprockets. Available in sets (includes idler bolt and nuts) or individually.





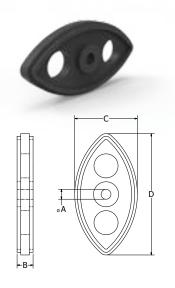


ANSI Single Strand Chain Rider Sets												
UPC #	Туре	Pitch	ANSI Chain		Di	mensions - Mil	limeters			usting nge R	Tensioner	
Simplex "S"			Chain	Α	В	С	D	L	Sin	nplex	Size	
68514463941	P3/8-8AS SET	3/8"	#35	M8	10.0	40	73	45	19	- 34	SE11	
68514457726	P3/8-11AS SET	1/2"	#41	3/8"	10.0	40	73	2"	19	- 34	SE11	
68514453094	P1/2-10AS SET	1/2"	#40	M10	13.9	50	96	55	23	- 41	SE15 & SE18	
68514443499	P5/8-10AS SET	5/8"	#50	M10	16.6	65	126	55	24	- 39	SE15 & SE18	
68514443387	P3/4-12AS SET	3/4"	#60	M12	19.5	75	148	80	30	- 61	SE27	

ANSI Double Stra	ANSI Double Strand Chain Rider Sets												
UPC #	Туре	Pitch	ANSI		Di	mensions - Mil	limeters			ustin nge l		Tensioner	
			Chain	Α	В	С	D	L	Duplex			Size	
68514463653	P3/8-8AD SET	3/8"	#35	M8	10.0	40	73	45	25	-	30	SE11	
68514463654	P1/2-10AD SET	1/2"	#40	M10	13.9	50	96	55	30	-	34	SE15 & SE18	
68514463655	P5/8-10AD SET	5/8"	#50	M10	16.6	65	126	70	34 - 46		46	SE15 & SE18	
68514463656	P3/4-12AD SET	3/4"	#60	M12	19.5	75	148	80	40	-	52	SE27	

ANSI Chain Riders Only - Metric Bore													
UPC #	Time	Ditah	ANSI	Di	mensions	- Millime	eters	For Idler	Tensioner				
UPC#	Туре	Pitch	CHAIN	Α	В	С	D	Bolt	Size				
68514485104	P3/8-8AS	3/8"	#35 / #41	8.2	10.0	40	73	M8	SE11				
68514485105	P1/2-10AS	1/2"	#40	10.2	13.9	50	96	M10	SE15 & SE18				
68514485106	P5/8-10AS	5/8"	#50	10.2	16.6	65	126	M10	SE15 & SE18				
68514485107	P3/4-12AS	3/4"	#60	12.2	19.5	75	148	M12	SE27				

ANSI Chain Riders Only - Inch Bore												
68514485253	P3/8-3/8AS	3/8"	#35 / #41	9.5	10.0	40	73.0	3/8"	SE11			
68514485254	P1/2-1/2AS	1/2"	#40	12.7	13.9	50	96.0	1/2"	SE15 & SE18			
68514485255	P5/8-1/2AS	5/8"	#50	12.7	16.6	65	126.0	1/2"	SE15 & SE18			
68514485256	P3/4-1/2AS	3/4"	#60	12.7	19.5	75	148.0	1/2"	SE27			
68514483303	P1-3/4AS	1"	#80	19.1	25.4	90	183.0	3/4"	SE38			
68514480055	P1-1/4-3/4AS	1-1/4"	#100	19.1	31.8	111	228.6	3/4"	SE38 & SE45			



RunRight[®]

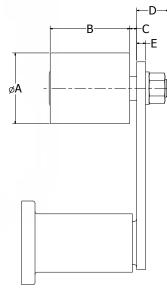
Accessories - Belt Drives



RunRight™ Tensioning Rollers

The RunRight[™] tensioning roller is primarily used as a back-side belt tensioner. The rollers are available in either plastic or aluminum. The bearings are self-lubricating for longer life. The rollers can be used for applications operating within a -31° to 212°F (-35° to 100°C) temperature range.





Plastic Rollers												
		Max			Dimensions -	Millimeters			Use with			
UPC #	Туре	RPM	Α	В	С	D	E	F	Tensioner Size			
68514463115	R11	8000	30	35	2	14	5	M8	SE11-M			
68514453028	R15/18	8000	40	45	6	21	8	M10	SE15 & SE18-M			
68514443023	R27	6000	60	60	7	21	8	M12	SE27-M			
68514457573	R38	5000	80	90	8	36	10	M16	SE38-M			
68514457574	R45	4500	90	130	10	46	20	M20	SE45-M			

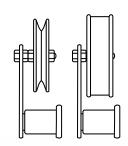
Aluminum Rollers												
		Max			Dimensions -	Millimeters			Use with			
UPC #	Туре	RPM	А	В	С	D	E	F	Tensioner Size			
68514484323	R11-AL	15000	30	35	2	14	5	M8	SE11-M			
68514484324	R15/18-AL	15000	40	45	6	16	7	M10	SE15 & SE18-M			
68514484325	R27-AL	12000	60	60	8	17	8	M12	SE27-M			
68514484326	R38-AL	10000	80	90	8	25	10	M16	SE38-M			
68514484327	R45-AL	8000	90	135	10	34	16	M20	SE45-M			

RunRight™ Steel Idler Pulleys

The RunRight steel idler pulley is used for the "inside" tensioning of V-belts. The bearings are self-lubricating for longer life. The rollers can be used for applications operating within a -40° to $212^{\circ}F$ (-40° to $100^{\circ}C$) temperature range.

Flat Belt / Quiet Chain Idler Pulley												
UPC #	Model Number	Overall Width in	Flat Surface Width in	Pulley OD in	Bore in	Length Through Bore in						
68514417472	CB4	1.44	1	4.75	0.500	0.719						

V-Belt Idler Pulle	V-Belt Idler Pulleys													
UPC#	Pulley Number	Belt Size	Pitch in	Pulley OD in	Bore in	Length Through Bore in								
68514417473	A3	А	2.50	3.00	0.375	0.844								
68514417474	B5	B-C	3.75	5.06	0.500	0.719								
68514417475	В7	B-C	6.00	7.31	0.500	0.719								





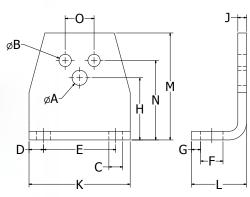
Accessories - WS Brackets, Safety Sockets



RunRight™ WS Brackets

The RunRight™ WS Bracket offers an easy assembly to equipment for the SE tensioners by attaching to the housing using the mounting bolt. The base of the bracket can be positioned in either direction.



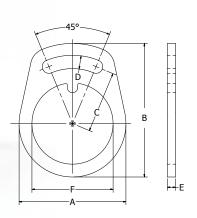


WS Brackets																	
WS Brack	et	Fit fo	r SE Tensio	oners	Fit for DI	Fit for DR-A, DK-A, and DW-A											
UPC #	Туре	SE Size	Dimens Millim		Dimensions - Element Millimeters		Dimensions - Millimeters										
		Jize	Α	Н	Size	В	N	0	С	D	Е	F	G	J	K	L	М
68514425200	WS11-15	11	6.5	27	15	5.5	35	10	7.0	7.5	30	13.0	11.5	4	45	30	46
68514425201	WS15-18	15	8.5	34	18	6.5	44	12	7.0	7.5	40	13.0	13.5	5	55	32	58
68514425202	WS18-27	18	10.5	43	27	8.5	55	20	9.5	10.0	50	15.5	16.5	6	70	38	74
68514425203	WS27-38	27	12.5	57	38	10.5	75	25	11.5	12.5	65	21.5	21.0	8	90	52	98
68514425204	WS38-45	38	16.5	66	45	12.5	85	35	14.0	15.0	80	24.0	21.0	8	110	55	116
68514425205	WS45-50	45	20.5	80	50	12.5	110	40	18.0	20.0	100	30.0	26.0	10	140	66	140

RunRight™ Safety Sockets

The RunRight Safety Socket is used for positioning the tensioner and locking it into place. It also provides the ability to adjust the tensioner angle in the future.



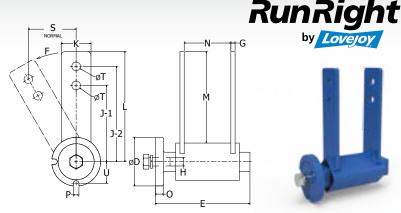


Safety Sockets								
UPC#	Turno	For			Dimensions	- Millimeters		
UPC#	Туре	Size SE	Α	В	С	D	E	F
68514483288	SS27	27	104	130	60	13	8	79.0
68514483289	SS38	38	128	161	75	17	10	96.5

Tensioner Devices **DAT, PT, LJ**

RunRight™ Tensioners Type DAT (Double Arm)

RunRight™ DAT tensioners are designed for applications requiring very high tensioning forces. They are manufactured with cast iron housings and have a fully welded steel arm and inner square. They are manufactured with standard Tensys™ 10 rubber inserts, and can be used for applications operating within a -40° to 180°F (-40° to 80°C) temperature range.

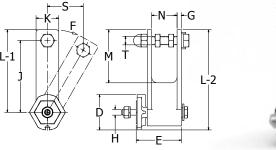


Tensioners Typ	Tensioners Type DAT (Dual Arm Tensioner)													
UDC #	Time		Dimensions - Millimeters											
UPC #	Туре	D	E	G	Н	J-1	J-2	K	L	М	N	0	T	
68514479412	DAT45	115	223	10	M20	180	225	70	260	215	110.00	19	1/4-20	
68514417457	DAT50	150	257	10	M24	NONE*	NONE*	90	280	161	112.50	22	NONE*	

Notes: ■*The DAT50 tensioner is supplied with NO HOLES in the arms allowing the customer to attached whatever type idler shaft/bearing arrangement necessary for their application.
■ Lovejoy can custom machine the arms upon request. Consult factory for quote.

RunRight™ Tensioners Type PT (Plastic Tensioners)

RunRight PT tensioners are designed for light duty applications where an economical product choice is required. They are manufactured of glass-reinforced DuPont Zytel® Nylon with the standard Tensys 10 rubber inserts and a dual arm design. The PT tensioners are designed for applications operating within a -40° to 180°F (-40° to 80°C) temperature range.

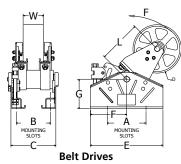


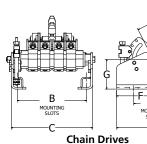


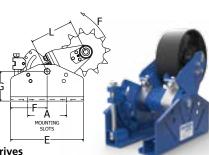
Tensioners Typ	Tensioners Type PT (Plastic Tensioner)													
LIDC #	Time					Di	mensions - In	ches						
UPC #	Туре	D	Е	G	Н	J	K	L-1	L-2	М	N	T		
68514424481	PT7	1.13	1.03	0.09	M4	2.36	0.72	2.72	3.55	1.36	0.56	1/4-20		
68514424416	PT11	1.56	2.03	0.18	1/4-20	3.15	1.00	3.17	4.41	1.84	1.13	3/8-16		

RunRight™ Tensioners Type LJ

RunRight LJ tensioners are manufactured with steel parts and are designed for large heavy duty applications. They are manufactured with standard Tensys 10 rubber inserts and can be used for applications operating within a -40° to 180°F (-40° to 80°C) temperature range.







Tensioners Typ	Tensioners Type LJ50 (Large Belt Drive Tensioner)													
UPC # Type Dimensions - Inches														
UPC#	Туре	Α	В	С	D	E	F	G	L	W				
68514482465	LJ50X105-4.25F10	8.00	10.00	10.00	10.00	15.00	7.50	6.09	8.90	4.25				
68514484316	LJ50X270-8.25F10	8.00	13.31	16.69	10.00	15.00	7.50	6.09	10.10	8.25				
68514480752	LJ50X400-14F12.25	10.71	16.69	22.81	12.25	19.29	7.50	5.90	12.66	14.00				

Tensioners Typ	e LJ50 (Large Chain	Drive Tensio	ner)									
UPC #	Timo	Dimensions - Inches										
UPC#	Туре	Α	В	С	D	E	F	G	L	# of TEETH		
68514484272	LJ50X270-180	16.00	13.31	16.69	9.01	15.00	7.50	6.09	8.90	11		
68514483506	LJ50X270-200	16.00	13.31	16.69	10.02	15.00	7.50	6.09	8.90	11		
68514483496	LJ50X270-D200	16.00	13.31	10.00	10.02	15.00	7.50	6.09	8.90	11		
68514483500	LJ50X270-1245	16.00	13.31	16.69	_	15.00	7.05	6.09	8.90	9		
Notes: ■ All Type LISO tensioners are made to order ■ Consult factory for your specific needs ■ See pages 11 and 12 for additional product and performance data												



RunRight by Lovejoy



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Motorbases



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Safety Warning



When using Lovejoy products, you must follow these instructions and take the following precautions. Failure to do so may cause the power transmission product to break and parts to be thrown with sufficient force to cause severe injury or death.

Refer to this Lovejoy Catalog for proper selection, sizing, horsepower, torque range, and speed range of power transmission products, including elastomeric elements for couplings. Follow the installation instructions included with the product, and in the individual product catalogs for proper installation of power transmission products. Do not exceed catalog ratings.

Do not use any of these power transmission products for elevators, man lifts, or other devices that carry people. If the

power transmission product fails, the lift device could fall resulting in severe injury or death.

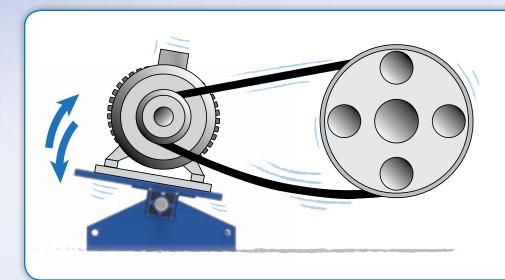
For all power transmission products, you must install suitable guards in accordance with OSHA and American Society of Mechanical Engineers Standards. Do not start power transmission product before suitable guards are in place. Failure to properly guard these products may result in severe injury or death from personnel contacting moving parts or from parts being thrown from assembly in the event the power transmission product fails.

If you have any questions, contact the Lovejoy Engineering Department at 1-630-852-0500.

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Motorbases Usage Illustrations



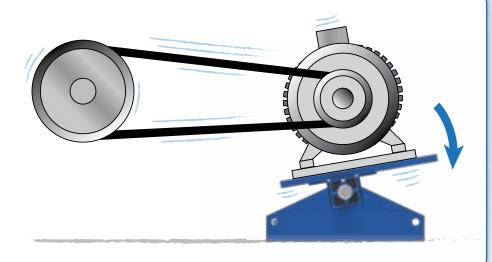


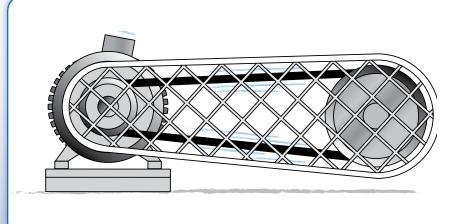
Designed specifically for starting and moving a loaded belt, absorbs the impact of material loading and provides stability for proper alignment.



Maintenance-free tensioning motorbase provides constant torque transmission and less energy consumption increasing the life of the drive system.







In a shrouded application, the motorbase provides quiet torque transmission while continually tensioning belts.

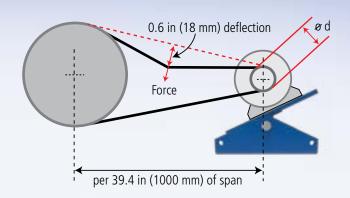


Motorbase Technology

RunRight™ elastomeric tensioning motorbases utilize a rubber suspension unit as a pivot mount. The rubber suspension unit continuously compensates for belt stretching, hopping, fluttering and excessive pull when a drive is started. RunRight tensioning motorbases are the ideal tensioning solution for all belt drives from about 1/2 to 700 HP.

Tensioning Force

The RunRight Motorbase is supplied with its mechanical pretensioning device at the ideal calibration of the relevant belt tension, based on the belt suppliers' test force recommendations. Common V-belt sizes and the recommended deflection forces are shown in the table below.



Recommended Belt Deflection Force Super HC: V-Belts, Powerband Belts, Molded Notched V-Belts or Molded Notched Powerband Belts												
V-Belt	Small Sheave	Small Sheave RPM	Speed Ratio	Recommended De	flection Force (lbs)							
Cross Section	Diameter Range (in)	Range	Range	Minimum	Maximum							
	2.2	1200 - 3600		2.8	4.1							
	2.4 - 2.5	1200 - 3600		3.2	4.7							
	2.7 - 2.8	1200 - 3600		3.5	5.1							
3VX	3.0 - 3.2	1200 - 3600	2.00 to 4.00	3.8	5.5							
	3.4 - 3.7	1200 - 3600		4.1	6.0							
	4.1 - 5.0	900 - 3600		4.8	7.1							
	5.3 - 6.9	900 - 3600		5.8	8.6							
	4.4 - 4.7	1200 - 3600		9.0	13.0							
	4.9 - 5.5	1200 - 3600		10.0	15.0							
EV/V	5.9 - 6.7	1200 - 3600	3 00 to 4 00	11.0	17.0							
5VX	7.1 - 8.0	600 - 1800	2.00 to 4.00	13.0	19.0							
	8.5 - 10.9	600 - 1800		14.0	20.0							
	11.8 - 16.0	400 - 1200		15.0	23.0							
	7.1 - 8.0	600 - 1800		11.0	16.0							
5V	8.5 - 10.9	600 - 1800	2.00 to 4.00	13.0	18.0							
	11.8 - 16.0	400 - 1200		14.0	21.0							
0)/	12.5 - 17.0	600 - 1800	2001 400	28.0	41.0							
8V	18.0 - 24.0	400 - 900	2.00 to 4.00	32.0	48.0							

Recommended Belt Deflection Force Hi-Power II V-Belts, Hi-Power II Powerband Belts or Tri-Power Molded Notch V-Belts													
	Constitution of the consti				Recommended De	flection Force (lbs)							
V-Belt Cross Section	Small Sheave Diameter Range	Small Sheave RPM Range	Speed Ratio Range	Hi-Po	wer II	Tri-Power M	olded Notch						
Closs Section	(in)	Kange	nange	Minimum	Maximum	Minimum	Maximum						
	3.0			2.7	3.8	3.8	5.4						
A	3.2	1750		2.9	4.2	3.9	5.5						
AX	3.4 - 3.6	to	2.00 to 4.00	3.3	4.8	4.1	5.9						
AV.	3.8 - 4.2	3600		3.8	5.5	4.3	6.3						
	4.6 - 7.0			4.9	7.1	4.9	7.1						
	4.6			5.1	7.4	7.1	10.0						
В	5.0 - 5.2	1160		5.8	8.5	7.3	11.0						
BX	5.4 - 5.6	to	2.00 to 4.00	6.2	9.1	7.4	11.0						
DA.	6.0 - 6.8	1800		7.1	10.0	7.7	11.0						
	7.4 - 9.4			8.1	12.0	7.9	12.0						
	7.0			9.1	13.0	12.0	18.0						
C	7.5	870		9.7	14.0	12.0	18.0						
CX	8.0 - 8.5	to	2.00 to 4.00	11.0	16.0	13.0	18.0						
	9.0 - 10.5	1800		12.0	18.0	13.0	19.0						
	11.0 - 16.0			14.0	21.0	13.0	19.0						
	12.0 - 13.0	690		19.0	27.0	19.0	28.0						
D	13.5 - 15.5	to	2.00 to 4.00	21.0	30.0	21.0	31.0						
	16.0 - 22.0	1200		24.0	36.0	25.0	36.0						

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RunRight[™] Motorbase Selection Guide

				IEC			NEMA	
RunRight [™] Model	Type of Motorbase	Page #	Motor Frame Size	kW @ 1000 RPM (6-pole)	kW @ 1500 RPM (4-pole)	Motor Frame Size	HP @ 1200 RPM (6-pole)	HP @ 1800 RPM (4-pole)
	MB20X170	27	90S	0.8	1.1	143T	1/2	1
A Common of the	IVID2UX17U	21	90L	1.1	1.5	145T	1	1-1/2 to 2
			100L	1.5	2.2 to 3	182T	1-1/2	3
	MB30X200	27	112M	2.2	4	184T	2	5
			132S	3.0	5.5	213T	3	5 to 7-1/2
The state of the s			132M	4 to 5.5	7.5	215T	5	5 to 10
	MB38X300	28	160M	7.5	11	254T	7.5	15
3			160L	11	15	256T	10	15 to 20
			132S	3	5.5	213T	3	5 to 7-1/2
	MB50X160		132M	4 to 5.5	7.5	215T	5	5 to 10
	MADEOVAGO	Ī	160M	7.5	11	254T	7.5	15
	MB50X200		160L	11	15	256T	10	15 to 20
	MB50X270	29	180M		18.5	284T	15	25
	IVID3UAZ7U	29	180L	15.0	22	286T	20	30
	MB50X400			200M	18.5	30	324T	25
	WIBJOX400	<u> </u>	200L	22	30	326T	30	50
	MB50X500		225\$		37	364T	40	60
	MIDSONSOO		225M	30	45	365T	50	75
	**MB70X400		180M	_	18.5	284T	15	25
	-284/286T	<u> </u>	180L	15	22	286T	20	30
	**MB70X400		200M	18.5	30	324T	25	40
THE REAL PROPERTY.	-324/326T	1	200L	22		326T	30	50
	**MB70X400 -364/365T		2255		37	364T	40	60
	MB70X400	30	225M	30	45	365T	50	75
	-404T	<u> </u>	250S	37	55	404T	60	100
	MB70X550		250M	45	75	405T	75	100 to 125
	-405T/444T	<u> </u>		55	90	444T	100	125 to 150
	MB70X650 -445T		280M	75	110	445T	125 to 150	150 to 200
						447T		
						449T		
			2456			504		
	LMB100X750		315S 315M	75 to 110	110 to 160	505	150 to 350	200 to 350
Carried Street						584		
A COLUMN						586		
THE REST		31				587		
						GE8307		
						5810		
	LMB100X1200		_	_	_	586	400 TO 700	
						587		
						5009		
						5808		

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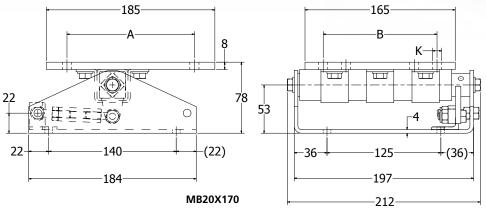
Motorbases MB20, MB30

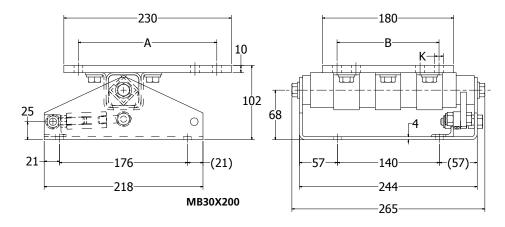
RunRight[™]

RunRight™ MB20, MB30 Motorbases

RunRight™ MB20 and MB30 Motorbases are designed for smaller belt drives using an electric motor with 1/2 to 5 HP. They are used on 90S to 112M IEC frame sizes and 143T to 184T NEMA frame sizes. They are manufactured with all steel components and Tensys™ 30 rubber inserts, and can be used for applications operating within a -40° to 180°F (-40° to 80°C) temperature range.







Motorbases Type MB20, MB30											
UPC #	Туре		NEMA MOTOR FRAMES (inches)								
		FRAME SIZE	Α	В	K	FRAME SIZE	Α	В	K		
68514485285	MB20X170	905	140	100	10.5	143T	5.50	4.00	0.34		
00314403203	IVIDZUAT7U	90L	140	125	10.5	145T	5.50	5.00	0.34		
68514485286	MB30X200	100L	160	140	10.5	182T	7.50	4.50	0.41		
		112M	190	140	10.5	184T	7.50	5.50	0.41		

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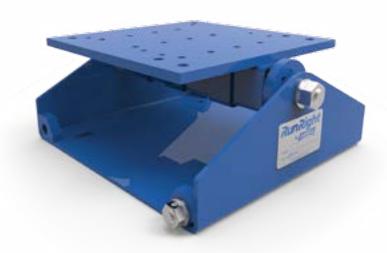
Motorbases

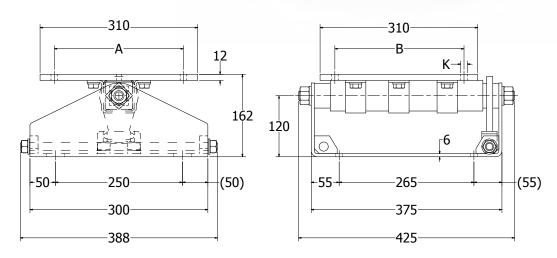
MB38

RunRight by Lovejoy

RunRight™ MB38 Motorbases

RunRight™ MB38 Motorbases are designed for smaller belt drives using an electric motor with 3 to 20 HP. They are used on 132S to 160L IEC frame sizes and 213T to 256T NEMA frame sizes. They are manufactured with all steel components and Tensys™ 30 rubber inserts, and can be used for applications operating within a -40° to 180°F (-40° to 80°C) temperature range.





Motorbases Type MB38											
UPC#	Туре	IEC MOTOR FRAMES (millimeters)				NEMA MOTOR FRAMES (inches)					
		FRAME SIZE	Α	В	K	FRAME SIZE	Α	В	K		
		132S	216	140	M10	213T	8.50	5.50	0.41		
68514463904	MB38X300	132M	216	178	M10	215T	8.50	7.00	0.41		
08514403904	IVIB38A3UU	160M	254	210	13.0	254T	10.00	8.25	0.53		
		160L	254	254	13.0	256T	10.00	10.00	0.53		

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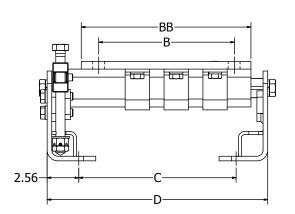
Motorbases MB50

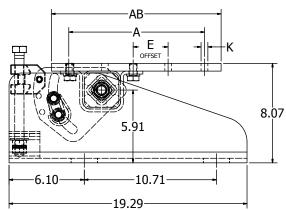


RunRight™ MB50 Motorbases

RunRight™ MB50 Motorbases are ideal for electric motors from 3 to 75 HP. They are used on 132S to 225M IEC frame sizes and 213T to 365T NEMA frame sizes. They are manufactured with all steel components and Tensys™ 30 rubber inserts, and can be used for applications operating within a -40° to 180°F (-40° to 80°C) temperature range.







Motorbases Typ	Motorbases Type MB50													
LIDC #	Time	IEC MOTOR FRAMES (millimeters)			NEMA MOTOR FRAMES (inches)				Dimensions - Inches					
UPC #	Type	FRAME SIZE	Α	В	К	FRAME SIZE	Α	В	К	AB	BB	С	D	E
68514463018	MB50X160	132S	216	140	3/8-16	213T	5.50	8.50	3/8-16	10.50	9.00	8.82	13.94	1.69
06314403016	IVID JON 100	132M	216	178	3/8-16	215T	7.00	8.50	3/8-16	10.30	9.00	0.02	15.54	1.09
68514463019	MB50X200	160M	254	210	14.0	254T	10.00	8.25	0.55	12.13	12.13	12.76	17.88	1.77
00314403019	IVIDOUAZUU	160L	254	254	14.0	256T	10.00	10.00	0.55	12.13				
68514463020	MB50X270	180M	279	241	14.0	284T	11.00	9.50	0.55	13.75	13.75	12.76	17.88	2.83
06314403020	IVIDOUAZ7U	180L	279	279	14.0	286T	11.00	11.00	0.55	15.75	13.73	12.70	17.00	2.63
68514463021	MB50X400	200M	318	267	17.5	324T	12.50	10.50	0.69	15.88	14.68	16.69	21.81	2.83
00014403021	IVID3UX4UU	200L	318	305	17.5	326T	12.50	12.00	0.69	15.88	14.08	10.69	21.81	2.83
68514463022	MPEOVEOO	225S	356	286	17.5	364T	14.00	11.25	0.69	18.25	16.50	18.66	23.98	2.83
00314403022	MB50X500	225M	356	311	17.5	365T	14.00	12.25	0.69	10.23	10.50		23.90	

Notes: ■ All RunRight™ MB50 Motorbases are supplied with the motor plate installed in the recommended offset position. ■ In some applications, such as screen drives, the motor plate may be altered to the center position of the element unit to compensate for belt operating angle and required pre-tensioning.

If necessary, the use of the 2nd hole positioning of the friction plate may be used to adjust the pre-tensioning travel.

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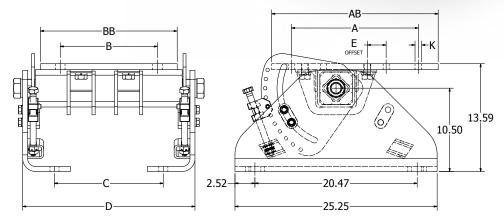
Motorbases MB70



RunRight™ MB70 Motorbases

RunRight™ MB70 Motorbases are ideal for electric motors from 15 to 200 HP. They are used on 180M to 280M IEC frame sizes and 284T to 445T NEMA frame sizes. They are manufactured with all steel components and Tensys™ 30 rubber inserts, and can be used for applications operating within a -40° to 180°F (-40° to 80°C) temperature range.





Motorbases T	Motorbases Type MB70													
UDC #	Time	IEC MOTOR FRAMES (millimeters)			NEMA MOTOR FRAMES (inches)				Dimensions - Inches					
UPC #	Туре	FRAME SIZE	Α	В	К	FRAME SIZE	Α	В	К	AB	ВВ	С	D	E
68514463960	*MB70X400-	180M	279	241	1/2-13	284T	11.00	9.50	1/2-13 21.	21.00	17.25	13.78	21.72	
00314403900	284/286T	180L 279 279 1/2-13 286T 11.00 11.00	1/2-13	1/2-13 21.00	17.23	15.70	21.72							
68514463883	*MB70X400-	200M	318	267	17.5	324T	12.50	10.50	0.69	21.00	17.25	13.78	21.72	2.37
00014403003	324/326T	200L	318	305	17.3	326T	12.50	12.00	0.09					2.37
68514463858	*MB70X400-	225S	356	286	17.5	364T	14.00	11.25	0.69	21.00	17.25	13.78	21.72	2.37
06314403636	364/365T	225M	356	311	17.5	365T	14.00	12.25	0.09	21.00	17.23			
68514463467	MB70X400-404T	250S	406	311	20.5	404T	16.00	12.25	0.81	21.00	17.25	13.78	21.72	2.37
68514463469	MB70X550-	250M	406	349	20.5	405T	16.00	13.75	0.81	81 24.00	20.50	10.60	27.63	2.38
00314403409	405T/444T	250101	400	549	20.5	444T	10.00	14.50	0.81			19.69	27.63	
68514463471	MB70X650-445T	280M	457	419	20.5	445T	18.00	16.50	0.81	24.00	22.50	23.62	31.56	2.38

Notes: ■ *RECOMMENDED FOR GRIZZIY FEEDER APPLICATIONS ONLY. ■ If the pretensioning of the motorbase is not effective, we recommend positioning the motor plate in the offset position to increase compensation travel. ■ All RunRight™ MB70 Motorbases are supplied with the motor plate installed in the recommended offset position. In some applications, such as screen drives, the motor plate may be altered to the center position of the element unit to compensate for belt operating angle and required pre-tensioning. If necessary, the use of the 2nd hole positioning of the friction plate may be used to adjust the pre-tensioning travel.

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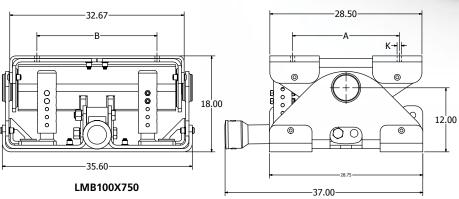
Motorbases **LMB100**

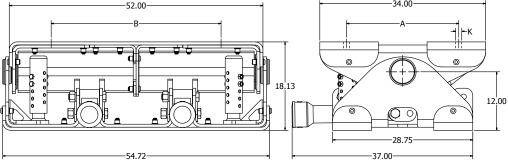
RunRight by Lovejoy

RunRight™ LMB100 Motorbases

RunRight™ LMB100 Motorbases are ideal for electric motors from 150 to 700 HP. They are used on 315S and 315M IEC frame sizes and 447T to 5808 NEMA frame sizes. They are manufactured with all steel components and Tensys[™] 30 rubber inserts, and can be used for applications operating within a -40° to 180°F (-40° to 80°C) temperature range.





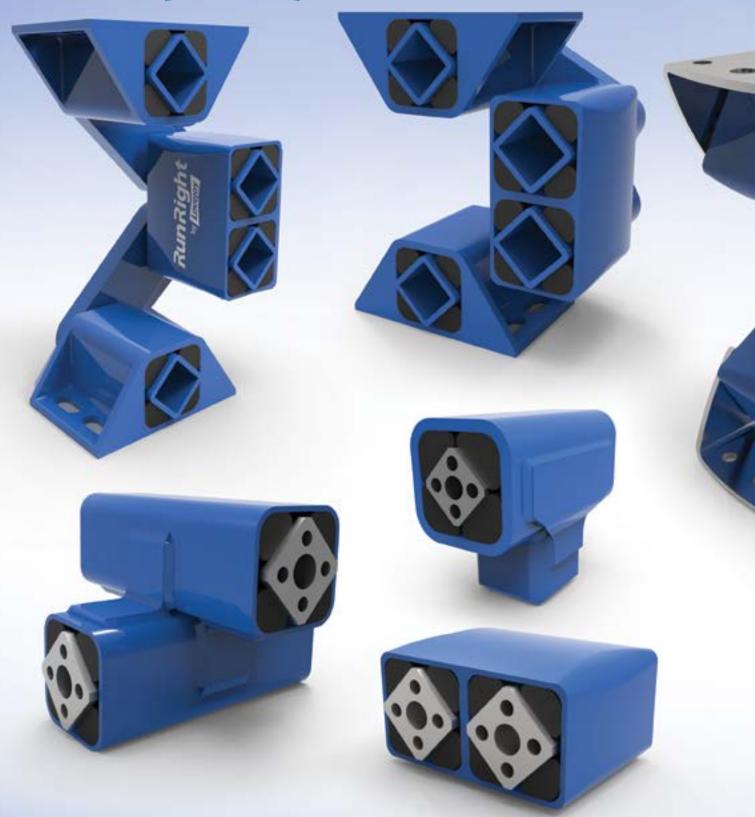


LMB100X1200

Motorbases Type LMB100											
UPC#	Туре			OR FRAMES meters)	NEMA MOTOR FRAMES (inches)						
		FRAME SIZE	Α	В	K	FRAME SIZE	Α	В	K		
			Consul	t Factory		447T	18.00	20.00	0.81		
			Consui	t Factory	449T	18.00	25.00	0.61			
68514483510		315S	508	406	20.5	504	20.00	16.00	0.81		
	LMB100X750	315M	508	457	20.5	505	20.00	18.00			
					584	23.00	18.00				
			Consul	t Factory	586	23.00	20.00	1.13			
					587	23.00	25.00				
68514483297	LMB100X1200-GE8307/5810		Consul	t Factory		GE8307	23.00	32.00	1 25		
00314403297	LIVIB 100X 1200-GE6307/3610		Consui	t ractory		5810	27.00	32.00	1.25		
68514483515	LMB100X1200-586/587		Consul	t Factory		586	23.00	20.00	1.13		
00314403313	LIVIB 100X 1200-386/387		Consu	t ractory		587	23.00	25.00			
68514483516	LMB100X1200-5009		Consul	t Factory	5009	20.00	28.00	1.25			
68514484035	LMB100X1200-5808		Consul	t Factory		5808	23.00	28.00	1.25		

Notes: The LMB100 Motorbases listed are Made To Order / Engineered To Order only. Please consult factory for lead time availability or for motor frame sizes not listed.

RunRight[™] by Lovejoy



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Oscillating Mounts



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Safety Warning



When using Lovejoy products, you must follow these instructions and take the following precautions. Failure to do so may cause the power transmission product to break and parts to be thrown with sufficient force to cause severe injury or death.

Refer to this Lovejoy Catalog for proper selection, sizing, horsepower, torque range, and speed range of power transmission products, including elastomeric elements for couplings. Follow the installation instructions included with the product, and in the individual product catalogs for proper installation of power transmission products. Do not exceed catalog ratings.

Do not use any of these power transmission products for elevators, man lifts, or other devices that carry people. If the

power transmission product fails, the lift device could fall resulting in severe injury or death.

For all power transmission products, you must install suitable guards in accordance with OSHA and American Society of Mechanical Engineers Standards. Do not start power transmission product before suitable guards are in place. Failure to properly guard these products may result in severe injury or death from personnel contacting moving parts or from parts being thrown from assembly in the event the power transmission product fails.

If you have any questions, contact the Lovejoy Engineering Department at 1-630-852-0500.

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Oscillating Mounts Selection Guide

Free Oscillating S	Free Oscillating System Selection Table										
Model	Model Page		Single Mass System Circular Motion Screen	Single Mass System Linear Motion Screen	Counterframe Dual Mass System	Hanging Single Mass System Linear Motion Screen					
-	AB	37, 38		Oscillating Mount specifically designed to support or suspend vibratory equipment or drive systems. Equipment frequency of 2 to 3 Hz. 9 sizes from 11 to 4,500 lbs per AB.							
	AB-HD	39	Heavy duty Oscillating Mount spe and inconsistent production loac to 3.5 Hz. 6 sizes from 11								
1	AB-D	40		Compact design Oscillating Moun ideal for two mass systems. Equ 7 sizes from 110 to							
1	AB-I	41	Stainless steel Oscillating Mou Equipment frequer								
	нѕ	42				Oscillation mounts designed to suspend vibratory equipment or drive systems. Equipment frequency of 3 to 4 Hz. 5 sizes from 112 to 3,147 lbs per HS.					

Crank Driven Syst	em Sele	ction Tab	le				
Model		Page	Single Mass Brute-Force Shaker System	Single Mass Natural Frequency Shaker System			
	AU	43	feeder equipment. Either right	Single Rocker for either supporting or suspending vibratory conveyors, screens, feeder equipment. Either right or left-hand threads on mounts. 7 sizes from 22 to 1,124 lbs per rocker.			
•	ST	44		tentric through the connecting rod and flexible head. ds. 5 sizes from 90 to 1,350 lbs per drive head.			
\$	DO-A	45		Highly dynamic Spring Accumulator designed for feeder systems that operate near resonance frequency. 5 sizes from 571 to 1,827 in-lbs.			

Rubber Compounds	Torque & Load Factor*	Operating Temperature F° (C°)	Rubber Type	Rubber Characteristics
Tensys™ 10	1.0	-40° to 180° (-40° to 80°)	Natural	Standard
Tensys [™] 20	approximately 1.0	-22° to 195° (-30° to 90°)	Neoprene	Oil Resistant
Tensys [™] 30	approximately 1.0	-40° to 180° (-40° to 80°)	Natural	High-Dampening (motorbases only)
Tensys [™] 40	approximately 0.6	180° to 250° (80° to 120°)	EPDM	High Temperature Resistant
Tensys [™] 50	approximately 3.0	-31° to 195° (-35° to 90°)	Urethane	High Torque
Note: ■ *Factor in re	elation to torque & load	s shown on standard selection charts.	-	

Gyratory Sifter Selection Guide

Gyratory Sifters Selection Table										
Model Page			Application Notes							
•	AV	46	Rocker with larger than standard elastomeric elements designed for free-hanging gyratory sifting machines. Either right or left-hand threads. 5 sizes up to 3,600 lbs per AV.							
9	AK	47	Rocker designed for supporting or suspending gyratory sifting machines. 10 sizes up to 9,000 lbs per AK.	Gyratory sifter upright staying	Gyratory sifter hanging					

Application Example: Shaker

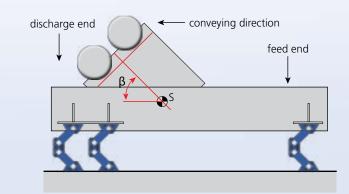
Mass of empty shaker frame and drive: m_s (1,500 lbs)

Mass of product: m_p (440 lbs) Total vibrating mass: m (1,940 lbs) Mass distribution feed end: 33% Mass distribution discharge end: 67% Feed end load per corner: F_f (320 lbs) Discharge end load per corner: F_d (649 lbs)

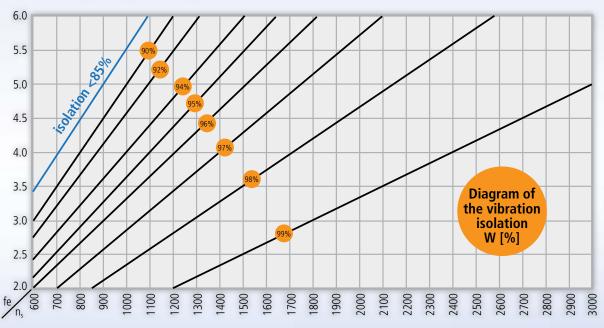
Motor revolutions: n_s (960 RPM)

Feed End Load Formula: $F_f = \left(\frac{m \cdot \% \text{ feed end}}{2}\right)$

Discharge End Load Formula:
$$F_d = \left(\frac{m \cdot \% \text{ discharge end}}{2}\right)$$



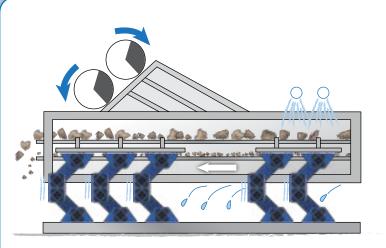
This application would require six AB38 Oscillating Mounts. Two on each side of the discharge end and one on each side of the feed end. Using the chart below, select the proper motor revolutions and the natural frequency of the AB unit selected. This shows the AB38 will give 97% isolation at 2.7Hz with 960 RPM motor revolution.

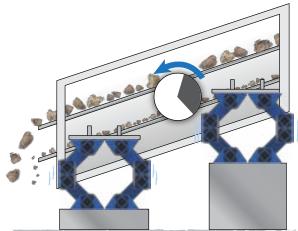


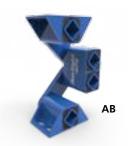
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Oscillating Mounts Usage Illustrations

RunRight by Lovejoy



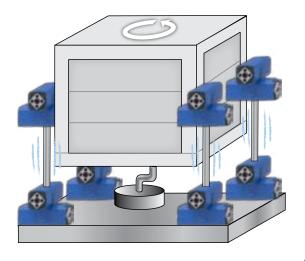


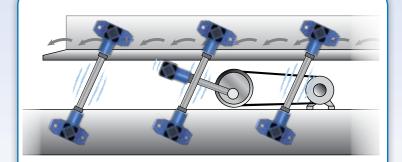


Overload-proof vibration-absorbing mounts provide a high degree of isolation on both linear and circular motion screens.

Long-lasting, quietoperating rockers, are designed to support or suspend oscillatory equipment and machinery.







Maintenance-free rocker arms designed for use on eccentric oscillator drive systems for either supporting or suspending vibratory conveyors, screens, and feeder equipment. Flexible drive head transmits power from an eccentric through the connecting rod.

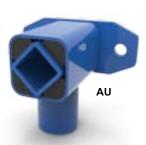


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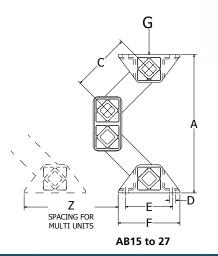
Oscillating Mounts

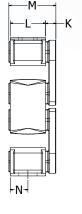
AB15 to 45

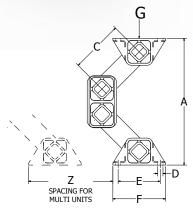
RunRight™ Oscillation Mounts AB15 to 45

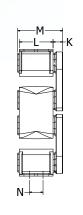
The RunRight™ Oscillation Mounts AB15 to 45 are specifically designed to support or suspend vibratory equipment or drive systems. These mounts remove harmful resident frequencies that cause spring damage due to an inefficient system that utilizes coil spring suspensions and eliminates resulting safety concerns. All housings are cast iron and the inner squares and arms are steel. They have standard Tensys™ 10 rubber inserts and can be used for applications operating within a -40° to 180°F (-40° to 80°C) temperature range.











RunRight

by Lovejoy

Α	B38	to	45

							Dimensi	ons - Inch	nes (mm)					
UPC #	Type	G Load Range	Α	Α	Α									
oreπ	Турс	lbs (N)	UNLOADED	MAX LOAD	REPLACE HEIGHT	С	D	Е	F	K	L	М	N	Z
68514478498	AB15	11 to 36 (50 to 160)	6.57 (167)	4.57 (116)	4.05 (103)	3.15 (80)	.28 (7)	1.97 (50)	2.56 (66)	.47 (12)	1.57 (40)	2.08 (53)	.79 (20)	3.54 (90)
68514478499	AB18	27 to 67 (120 to 300)	8.11 (206)	5.63 (143)	4.96 (126)	3.94 (100)	.35 (9)	2.36 (60)	3.15 (80)	.55 (14)	1.97 (50)	2.36 (67)	.98 (25)	4.33 (110)
68514478496	AB27	56 to 180 (250 to 800)	9.25 (235)	6.77 (172)	6.10 (155)	3.94 (100)	.43 (11)	3.15 (80)	4.13 (105)	.71 (18)	2.36 (60)	3.15 (80)	1.18 (30)	5.51 (140)
68514478501	AB38	135 to 360 (600 to 1,600)	11.85 (301)	8.74 (222)	7.91 (201)	4.92 (125)	.51 (13)	3.94 (100)	4.92 (125)	.91 (23)	3.15 (80)	4.21 (107)	1.97 (32)	7.08 (180)
68514481086	AB45	270 to 670 (1,200 to 3,000)	13.62 (346)	14.06 (357)	9.25 (235)	5.51 (140)	.51 (13)	4.53 (115)	5.83 (148)	1.10 (28)	3.94 (100)	5.2 (132)	2.76 (40)	8.46 (215)

Note: ■ After one year, the specified cold flow will occur at the maximum allowable compressible load range.

			Dimamia	Carlar Value		Сара	acity limits	@ differen	t RPM		Mate	rials / Fini	sh
		Natural	Dynamic	Spring Value	720	RPM	960	RPM	1440	RPM			
UPC #	Туре	Frequency G Min - G Max	cd	cd	sw	К	sw	К	sw	К	Inner	Outer	Finish
		(Hz)	Vertical	Horizontal	Max	Max	Max	Max	Max	Max	Square & Arms	Housing	FIIIISII
		()	(N/mm)	(N/mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)			
68514478498	AB15	4.3 - 2.8	10	6	14	4.1	12	6.2	8	9.3			D :
68514478499	AB18	3.6 - 2.6	18	14	17	4.9	15	7.7	8	9.3	Steel	Cost	Painted RunRight
68514478496	AB27	3.7 - 2.7	40	25	17	4.9	14	7.2	8	9.3	welded	Cast Iron	Safety
68514478501	AB38	3.0 - 2.4	60	30	20	5.8	17	8.8	8	9.3 con	construction	11011	Blue
68514481086	AB45	2.8 - 2.3	100	50	21	6.1	18	9.3	8	9.3			Diac

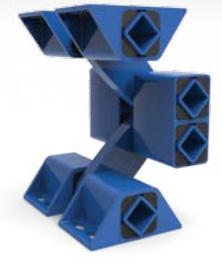
Notes: ■ Dynamic spring values at 960 RPM and deflection of 8mm at nominal loads. See pages 34 and 35 for additional product and performance data.

[■] It is not recommended to exceed accelerations greater than 9.3g.

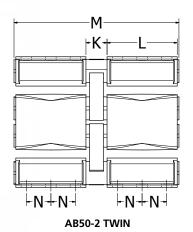
Oscillating Mounts **AB50**

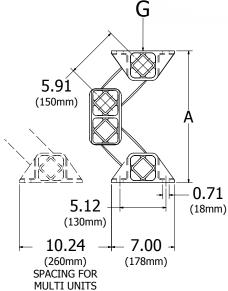
RunRight™ Oscillation Mounts AB50

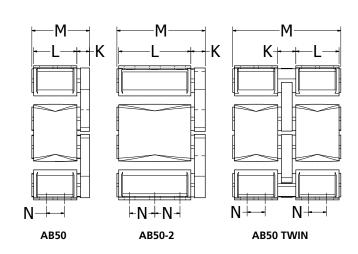
The RunRight[™] Oscillation Mounts AB50 are specifically designed to support or suspend vibratory equipment or drive systems. These mounts remove harmful resident frequencies that cause spring damage due to an inefficient system that utilizes coil spring suspensions and eliminates resulting safety concerns. All housings are cast iron and the inner squares and arms are steel. They have standard Tensys[™] 10 rubber inserts and can be used for applications operating within a -40° to 180°F (-40° to 80°C) temperature range.











Oscillating Moun	ting Type AB50								
		G			Dimen	sions - Inche	s (mm)		
UPC #	Туре	Load Range	Α	Α	Α				
or C #	туре	lbs (N)	UNLOADED	MAX LOAD	REPLACE HEIGHT	K	M	N	L
68514425211	AB50	560 to 1,350 (2,500 to 6,000)	14.64 (372)	10.90 (277)	19.96 (253)	1.38 (35)	6.30 (160)	1.97 (50)	4.72 (120)
68514463428	AB50-2	940 to 2,250 (4,180 to 10,000)	14.49 (368)	10.75 (273)	19.80 (249)	1.57 (40)	9.65 (245)	2.76 (70)	7.87 (200)
68514463797	AB50 TWIN	1,120 to 2,700 (4,980 to 12,000)	14.64 (372)	10.90 (277)	19.96 (253)	1.97 (50)	11.81 (300)	1.97 (50)	4.72 (120)
68514463798	AB50-2 TWIN	1,890 to 4,500 (8,400 to 20,000)	14.49 (368)	10.75 (273)	19.80 (249)	2.36 (60)	18.5 (470)	2.76 (70)	7.87 (200)

Notes: ■ These OSC Mounts may be "Mixed & Matched" as required to achieve proper loading.

■ After one year, the specified cold flow will occur at the maximum allowable compressible load range.

		Natural	Dumamia (Carina Valua		Сара	city limits	@ different	RPM		Mat	erials / Fini	ish
		Frequency	Dynamic	Spring Value	720	RPM	960	RPM	1440	RPM	_		
UPC#	Туре	G Min -	cd	cd	sw	K	sw	К	sw	К	Inner	Outer	Finish
		G Max	Vertical	Horizontal	Max	Max	Max	Max	Max	Max	Square & Arms	Housing	FIIIISII
68514425211 AR50		(Hz)	(N/mm)	(N/mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	ω / u.i.i.s		
68514425211	AB50		195	85							Charl		Painted
68514463428	AB50-2	2.4 - 2.1	320	140	22	6.4	18	9.3	8	9.3	Steel welded	Cast	RunRight
68514463797	AB50 TWIN	2.4 - 2.1	380	170		0.4	10	9.5	0	9.5	construction	Iron	Safety
68514463798	AB50-2 TWIN		640	280							Construction		Blue

Notes: ■ Dynamic spring values at 960 RPM and deflection of 8mm at nominal loads. ■ See pages 34 and 35 for additional product and performance data.

RunRight[®]

 $[\]blacksquare$ It is not recommended to exceed accelerations greater than 9.3g.

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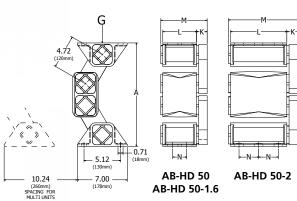
Oscillating Mounts

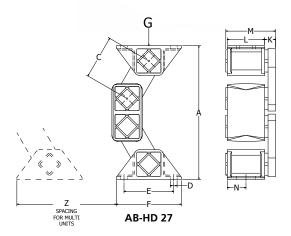
AB-HD

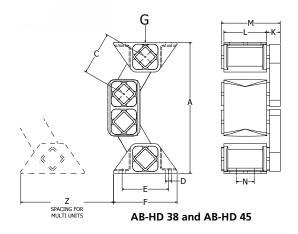
RunRight™ Oscillation Mounts AB-HD

The RunRight[™] Oscillation Mounts AB-HD are a heavy-duty mount specifically designed for impact loads and inconsistent production loading. All housings are cast iron and the inner squares and arms are steel. They have standard Tensys[™] 10 rubber inserts and can be used for applications operating within a -40° to 180°F (-40° to 80°C) temperature range.









Oscillating N	lounting Type	AB-HD											
						Dir	mensions	- Inches (r	nm)				
UPC#	Type	G Load Range	Α	Α									
OPC#	Туре	lbs (N)	UNLOADED	MAX LOAD	С	D	E	F	K	L	М	N	Z
68514483844	AB-HD 27	112 to 280 (500 to 1,250)	8.46 (215)	7.17 (182)	2.76 (70)	0.43 (11)	3.15 (80)	4.13 (105)	0.67 (17)	2.36 (60)	3.15 (80)	0.79 (20)	5.51 (140)
68514483845	AB-HD 38	270 to 570 (1,200 to 2,500)	11.54 (293)	9.68 (246)	3.74 (95)	0.51 (Ø13)	3.94 (100)	4.72 (125)	0.83 (21)	3.15 (80)	4.09 (104)	1.58 (40)	7.08 (180)
68514483846	AB-HD 45	450 to 945 (2,000 to 4,200)	13.62 (346)	11.42 (290)	4.33 (110)	0.51x0.79 (13x20)	4.53 (115)	5.71 (145)	1.10 (28)	3.94 (100)	5.20 (132)	2.56 (65)	8.46 (215)
68514480319	AB-HD 50	785 to 1,880 (3,500 to 8,400)	14.48 (368)	12.00 (305)	_	_	_	_	1.50 (38)	4.72 (120)	6.50 (165)	1.97 (50)	_
68514482742	AB-HD 50-1.6	1,075 to 2,540 (4,800 to 11,300)	14.48 (368)	10.9 (277)	_	_	_	_	1.50 (38)	6.30 (160)	8.07 (205)	2.76 (70)	_
68514479095	AB-HD 50-2	1,345 to 3,145 (6,000 to 14,000)	14.48 (368)	10.9 (277)	_	_	_	_	1.69 (43)	7.87 (200)	9.84 (250)	2.76 (70)	_

Notes: ■ The OSC Mounts shown shaded in gray may be "Mixed & Matched" as required to achieve proper loading.

■ After one year, the specified cold flow will occur at the maximum allowable compressible load range.

		Natural	Dynam	ic spring		Capac	ity limits @	different	RPM		Mat	terials / Fin	ish
		Frequency	va	lue	720	RPM	960	RPM	1440	RPM	Inner		
UPC #	Туре	G Min -	cd	cd	sw	K	sw	к	sw	К	Square	Outer	Finish
		G Max	Vertical	Horizontal	Max	Max	Max	Max	Max	Max	&	Housing	1 1111311
		(Hz)	(N/mm)	(N/mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	Arms		
68514483844	AB-HD 27	4.8 - 3.1	70	33	12	3.5	10	5.2	8	9.3			
68514483845	AB-HD 38	3.6 - 2.7	100	48	15	4.3	13	6.7	8	9.3			
68514483846	AB-HD 45	3.3 - 2.5	150	72	17	4.9	14	7.2	8	9.3	Steel	Cast	Painted
68514480319	AB-HD 50	3.2 - 2.4	270	130	18	5.2	15	7.7	8	9.3	Welded	Iron	Blue
68514482742	AB-HD 50-1.6	3.2 - 2.4	360	172	18	5.2	15	7.7	8	9.3			
68514479095	AB-HD 50-2	3.2 - 2.4	450	215	18	5.2	15	7.7	8	9.3			
Note: ■ See page	es 34 and 35 for a	additional produ	ct and perfor	mance data.									

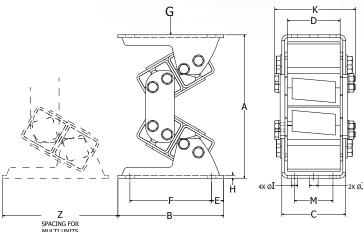
Oscillating Mounts **AB-D**

RunRight™ Oscillation Mounts AB-D

The RunRight[™] Oscillation Mounts AB-D are a compact design with a much higher load capacity than the standard AB Mounts, ideal for two mass systems. All housings are cast iron and the inner squares and arms are steel. They have standard Tensys[™] 10 rubber inserts and can be used for applications operating within a -40° to 180°F (-40° to 80°C) temperature range.







Oscillating I	Mounting Ty	pe AB-D													
		_					C	imensio	ns - Incl	nes (mm)				
UPC #	Туре	G Load Range	Α	Α											
01 C #	туре	lbs (N)	UNLOADED	MAX LOAD	В	С	D	E	F	Н	_	J	K	М	Z
68514475676	AB-D 18	110 to 270 (500 to 1,200)	5.39 (137)	4.61 (112)	4.53 (115)	2.40 (61)	1.97 (50)	0.49 (12.5)	3.54 (90)	0.12 (3)	0.35 (9)	0.35 (9)	2.91 (74)	1.18 (30)	4.72 (120)
68514463733	AB-D 27	225 to 560 (1,000 to 2,500)	7.24 (184)	6.18 (148)	5.91 (150)	3.66 (93)	3.15 (80)	0.59 (15)	4.72 (120)	0.16 (4)	0.35 (9)	0.43 (11)	4.57 (116)	1.97 (50)	6.10 (155)
68514463734	AB-D 38	450 to 900 (2,000 to 4,000)	9.61 (244)	8.23 (199)	7.28 (185)	4.65 (118)	3.94 (100)	0.69 (17.5)	5.91 (150)	0.20 (5)	0.43 (11)	0.53 (13.5)	5.79 (147)	2.76 (70)	7.48 (190)
68514475677	AB-D 45	675 to 1,350 (3,000 to 6,000)	11.73 (298)	9.92 (240)	8.66 (220)	5.20 (132)	4.33 (110)	0.98 (25)	6.69 (170)	0.24 (6)	0.53 (13.5)	0.71 (18)	6.61 (168)	3.15 (80)	8.86 (225)
68514463854	AB-D 50	900 to 2,025 (4,000 to 9,000)	12.95 (329)	10.94 (272)	9.25 (235)	5.59 (142)	4.72 (120)	0.98 (25)	7.28 (185)	0.31 (8)	0.53 (13.5)	0.71 (18)	6.54 (166)	3.54 (90)	9.45 (240)
68514463855	AB-D 50-1.6	1,350 to 2,700 (6,000 to 12,000)	12.95 (329)	10.94 (272)	9.25 (235)	7.32 (186)	6.30 (160)	0.98 (25)	7.28 (185)	0.31 (8)	0.53 (13.5)	0.71 (18)	8.43 (214)	3.54 (90)	9.45 (240)
68514463856	AB-D 50-2	1,800 to 3,600 (8,000 to 16,000)	12.95 (329)	10.94 (272)	9.25 (235)	8.90 (226)	7.87 (200)	0.98 (25)	7.28 (185)	0.31 (8)	0.53 (13.5)	0.71 (18)	10.24 (260)	3.54 (90)	9.45 (240)

Notes: ■ The OSC Mounts shown shaded in gray may be "Mixed & Matched" as required to achieve proper loading.

■ After one year, the specified cold flow will occur at the maximum allowable compressible load range.

		Natural	Dum	omic covin	a value		Capaci	ty limits @	differer	t RPM		
		Frequency	Dylia	amic sprin	y value	720	RPM	960	RPM	1440	RPM	Marie Cala (Phabala
UPC #	Туре	G Min -	cd	cd	cd	sw	К	sw	K	sw	K	Materials / Finish (Zinc Plated Hardware)
		G Max	vertical	at sw	horizontal	Max	Max	Max	Max	Max	Max	(Emeriated hardware)
		(Hz)	(N/mm)	[mm]	(N/mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	
68514475676	AB-D18	6.1 - 4.4	100	4	20	5	1.4	5	2.6	4	4.6	
68514463733	AB-D27	5.4 - 3.9	160	4	35	7	2.0	6	3.1	5	5.8	
68514463734	AB-D38	4.3 - 3.4	185	6	40	9	2.6	8	4.1	6	7.0	Aluminum Inner Profiles
68514475677	AB-D45	3.7 - 3.1	230	8	70	11	3.2	9	4.6	7	8.1	Painted Blue Cast Iron Housings Zinc Plated Steel Brackets
68514463854	AB-D50	3.7 - 2.9	310	8	120	12	3.5	10	5.2	8	9.3	Zilic Flateu Steel Blackets
68514463855	AB-D50-1.6	3.7 - 2.9	430	8	160	12	3.5	10	5.2	8	9.3	
68514463856	AB-D50-2	3.5 - 2.8	540	8	198	12	3.5	10	5.2	8	9.3	
Matasi = Dunan	oia anzina valua	s at OCO DDM as	المالية الأمالية	- 4 4	aminal lands			- manandad	to overed	o c c o l o r o ti o		than 0.2a

Notes: ■ Dynamic spring values at 960 RPM and deflection of 8mm at nominal loads.

■ See pages 34 and 35 for additional product and performance data.

■ It is not recommended to exceed accelerations greater than 9.3g.

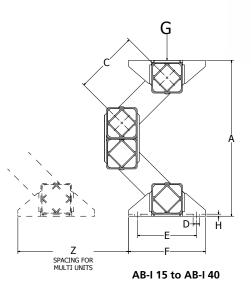
RunRight[®]

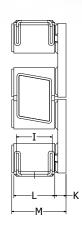
by Lovejoy

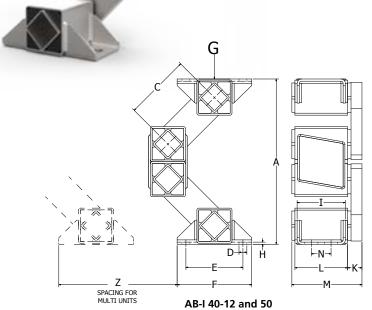
Oscillating Mounts **AB-I**

RunRight™ Oscillation Mounts AB-I

The RunRight[™] Oscillation Mounts AB-I are a stainless steel design specific for the food, pharmaceutical and wash down requirements. All housings, arms and inner squares are manufactured out of stainless steel. They have standard Tensys[™] 10 rubber inserts and can be used for applications operating within a -40° to 180°F (-40° to 80°C) temperature range.







		,					Dim	ensions	- Inches	(mm)					
UPC#	Туре	G Load Range	Α	Α											
oreπ	Турс	lbs (N)	UNLOADED	MAX LOAD	С	D	E	F	Н	_	K	L	М	N	Z
68514457918	AB-I 15	16 to 40 (70 to 180)	6.58 (167)	4.50 (114)	3.15 (80)	.28 x .53 (7 x 13.5)	1.97 (50)	2.56 (65)	.10 (2.5)	1.34 (34)	.53 (13.5)	1.57 (40)	2.09 (53)	_	4.53 (115)
68514457919	AB-I 20	36 to 103 (160 to 460)	8.39 (213)	5.75 (146)	3.94 (100)	.35 x .59 (9 x 15)	2.56 (65)	3.35 (85)	.08 (2)	1.73 (44)	.55 (14)	1.97 (50)	2.64 (67)	_	5.71 (145)
68514457920	AB-I 30	90 to 225 (400 to 1,000)	9.82 (249)	7.24 (184)	3.94 (100)	.43 x .79 (11 x 20)	3.35 (85)	4.33 (110)	.16 (4)	1.97 (50)	.63 (16)	2.36 (60)	3.15 (80)	_	6.50 (165)
68514457921	AB-I 40	157 to 360 (700 to 1,600)	12.00 (305)	8.86 (225)	4.92 (125)	.51 x .98 (13 x 25)	4.53 (115)	5.90 (150)	.16 (4)	2.76 (70)	.87 (22)	3.15 (80)	4.17 (106)	_	8.46 (215)
68514485674	AB-I 40-12	292 to 720 (1,300 to 3,200)	10.61 (270)	8.00 (203)	3.94 (100)	.51 x .79 (13 x 20)	4.53 (115)	5.90 (150)	.16 (4)	4.33 (110)	.87 (22)	4.72 (120)	5.75 (146)	2.36 (60)	8.46 (215)
68514457922	AB-I 50	560 to 1,528 (2,500 to 6,800)	14.85 (377)	14.99 (279)	5.91 (150)	.71 x 1.18 (18 x 30)	5.12 (130)	6.69 (170)	.20 (5)	4.33 (110)	1.30 (33)	4.72 (120)	6.30 (160)	1.77 (45)	11.02 (280)

		Natural	Dunamis	enring value		Сар	acity limi	ts @ differ	ent RPM		Ma	terials / Finis	h
		Frequency	Dynamics	pring value	720	RPM	960	RPM	1440	RPM	Inner		
UPC#	Туре	G Min -	cd	cd	sw	К	sw	K	sw	K	Square	Outer	Finish
		G Max	Vertical	Horizontal	Max	Max	Max	Max	Max	Max	&	Housing	FIIIISII
		(Hz)	(N/mm)	(N/mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	Arms		
68514457918	AB-I 15	4 - 2.8	10	6	14	4.1	12	6.2	8	9.3			
68514457919	AB-I 20	3.6 - 2.4	22	14	177	4.9	15	7.7	8	9.3	Stainless	Stainless	
68514457920	AB-I 30	3.5 - 2.6	48	27	177	4.9	14	7.2	8	9.3	Steel	Steel	Unpainted
68514457921	AB-I 40	3 - 2.4	60	30	20	5.8	17	8.8	8	9.3	welded	welded	Oripairiteu
68514485674	AB-I 40-12	3.4 - 2.6	115	55	16	4.6	13	6.7	8	9.3	construction	construction	
68514457922	AB-I 50	2.8 - 2.2	220	100	22	6.4	18	9.3	8	9.3			

Notes: ■ Dynamic spring values at 960 RPM and deflection of 8mm at nominal loads.

[■] See pages 34 and 35 for additional product and performance data.

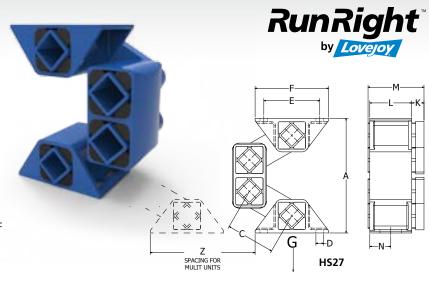
[■] It is not recommended to exceed accelerations greater than 9.3g.

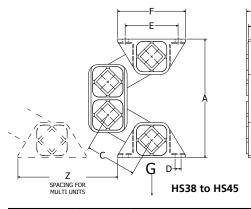
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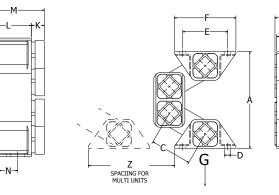
Oscillating Mounts **HS**

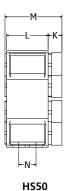
RunRight™ Oscillation Mounts HS

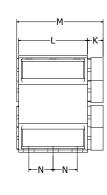
The RunRight™ Oscillation Mounts HS are specifically designed to suspend vibratory equipment or drive systems. These mounts remove harmful resident frequencies that cause spring damage due to an inefficient system that utilizes coil spring suspensions, and eliminates resulting safety concerns. All housings are cast iron the inner squares and arms are steel. They have standard Tensys™ 10 rubber inserts and can be used for applications operating within a -40°F to +180°F (-40°C to +80°C) temperature range.











Oscillating N	lounting Ty	ype HS											
							Dimensi	ons - Inche	s (mm)				
UPC#	Туре	G Load Range	Α	Α									
or c #	турс	lbs (N)	UNLOADED	MAX LOAD	С	D	E	F	K	L	M	N	Z
68514481702	HS27	112 to 281 (500 to 1,250)	6.46 (164)	7.95 (202)	2.76 (70)	.43 x 1.22 (11 x 31)	3.15 (80)	4.13 (105)	0.69 (17.5)	2.36 (60)	3.15 (80)	1.18 (30)	5.51 (140)
68514481703	HS38	270 to 562 (1,200 to 2,500)	8.78 (223)	10.83 (275)	3.74 (95)	.51 x 1.38 (13 x 25)	3.94 (100)	4.92 (130)	0.91 (23)	3.15 (80)	4.21 (107)	1.58 (40)	7.08 (180)
68514481704	HS45	450 to 944 (2,000 to 4,200)	10.43 (265)	12.80 (325)	4.33 (110)	.51 x 1.22 (13 x 31)	4.53 (115)	5.83 (148)	1.10 (28)	3.94 (100)	5.20 (132)	2.56 (65)	8.46 (215)
68514480297	HS50	787 to 1,888 (3,500 to 8,400)	11.34	14.06	5.12	.71 x 1.50	5.12	7.00	1.50 (38)	4.72 (120)	6.50 (165)	1.97 (50)	10.24
68514480298	HS50-2	1,350 to 3,147 (6,000 to 14,000)	(288)	(357)	(130)	(18 x 38)	(130)	(178)	1.69 (43)	7.87 (200)	9.84 (250)	2.76 (70)	(260)

Notes: ■ After one year, the specified cold flow will occur at the maximum allowable compressible load range. ■ The OSC Mounts shown shaded in gray may be "Mixed & Matched" as required to achieve proper loading.

		Natural	Dynamic spring			Capac	ity limits @	different					
		Frequency	va	alue	720	RPM	960	RPM	1440	RPM	Inner		
UPC #	Туре	G Min -	cd	cd	sw	К	sw	К	sw	К	Square	Outer	Finish
		G Max	Vertical	Horizontal	Max	Max	Max	Max	Max	Max	&	Housing	FINISH
		(Hz)	(N/mm)	(N/mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	Arms		
68514481702	HS27	4.2-3.8	65	32	12	3.5	10	5.2	8	9.3			5
68514481703	HS38	3.6-3.3	95	46	15	4.3	13	6.7	8	9.3	Steel		Painted
68514481704	HS45	3.3-3.0	142	70	17	4.9	14	7.2	8	9.3	welded	Cast Iron	RunRight Safety
68514480297	HS50	3.2-3.0	245	120	18	5.2	15	7.7	8	9.3 consti	construction		Blue
68514480298	HS50-2	3.2-2.9	410	200	18	5.2	15	7.7	8	93			l bluc

- Notes: It is recommended that HS Hanging Mounts be fastened with Class 8.8 or greater fasteners.
- Dynamic spring values at 960 rpm and deflection of 8mm at nominal loads.

- It is not recommended to exceed accelerations greater than 9.3g.
- The Oscillation Mounts HS must be fastened with Grade 8 bolt utilizing all mounting holes or slots.

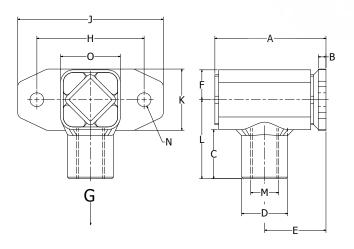
■ See pages 34 and 35 for additional product and performance data.

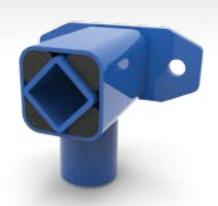
RunRight 630-852-0500

Oscillating Mounts AU

RunRight™ Oscillation Mounts AU

The RunRight[™] Oscillation Mounts AU are a single rocker design used on eccentric oscillator drive systems for either supporting or suspending vibratory conveyors, screens, or feeder equipment. The outer housings and inner squares are manufactured out of steel. They have standard Tensys™ 10 rubber inserts and can be used for applications operating within a -40° to 180°F (-40° to 80°C) temperature range.







Maximum	Load Ca	pacity Ch	art			
AU Size	Max	cium Rocke	er Load G ((Nm)	Maximum r n _s (RF	
	K < 2	K = 2	K = 3	K = 4	$\alpha \pm 5^{\circ}$	α ± 6 °
15	100	75	60	50	640	480
18	200	150	120	100	600	450
27	400	300	240	200	560	420
38	800	600	500	400	530	390
45	1600	1200	1000	800	500	360
50	2500	1800	1500	1200	470	340
60	5000	3600	3000	2400	440	320

Notes: ■*See Allowable Element Frequencies page 6.

- Contact Lovejoy for permissible load values from greater accelerations and for rocker arms with higher load capacities.
- Revolutions are between 300 to 600 RPM with a maximum oscillation angle of $\pm 6^{\circ}$.
- \blacksquare The oscillation angle α of all rockers and the drive head need to be within the allowable range for n, and α .

Oscillating Mo	unting Type	AU														
		G Max	Mdd					[Dimensio	ns - Inch	es (mm)					
UPC #	Туре	lbs (N)	ft-lbs/° (Nm/°)	А	В	С	D	E	F	н	J	К	L	М	N	0
68514425158	AU15 RH	22.5	0.3	1.97	0.16	1.14	0.87	1.10	0.53	1.97	2.76	0.98	1.57	M10	0.28	1.06
68514425187	AU15 LH	(100)	(0.4)	(50)	(4)	(29)	(22)	(28)	(14)	(50)	(70)	(25)	(40)	M10-LH	(7)	(27)
68514424854	AU18 RH	45	1.0	2.44	0.20	1.14	0.98	1.34	0.63	2.36	3.35	1.38	1.77	M12	0.37	1.26
68514425188	AU18 LH	(200)	(1.3)	(62)	(5)	(29)	(25)	(34)	(16)	(60)	(85)	(35)	(45)	M12-LH	(10)	(32)
68514425160	AU27 RH	89.9	1.9	2.87	0.20	1.48	1.38	1.57	0.89	3.15	4.33	1.77	2.36	M16	0.45	1.77
68514425189	AU27 LH	(400)	(2.6)	(73)	(5)	(38)	(35)	(40)	(23)	(80)	(110)	(45)	(60)	M16-LH	(11.5)	(45)
68514425161	AU38 RH	180	4.9	3.74	0.24	2.09	1.97	2.05	1.18	3.94	5.51	2.36	3.15	M20	0.55	2.36
68514425190	AU38 LH	(800)	(6.7)	(95)	(6)	(53)	(50)	(52)	(30)	(100)	(140)	(60)	(80)	M20-LH	(14)	(60)
68514425162	AU45 RH	360	8.6	4.72	0.24	2.64	1.89	2.60	1.73	5.12	7.09	2.76	3.94	M24	0.71	3.50
68514425191	AU45 LH	(1,600)	(11.6)	(120.0)	(6)	(67)	(48)	(66)	(44)	(130)	(180)	(70)	(100)	M24-LH	(18)	(89)
68514425163	AU50 RH	562	15.0	5.71	0.39	2.60	2.36	3.15	1.54	5.51	7.48	3.15	4.06	M36	0.71	3.66
68514425192	AU50 LH	(2,500)	(20.4)	(145.0)	(10)	(66)	(60)	(80)	(39)	(140)	(190)	(80)	(103)	M36-LH	(18)	(93)
68514425164	AU60 RH	1124	28.2	9.17	0.63	3.11	3.15	5.04	2.01	7.09	9.06	4.72	5.12	M42	0.71	4.00
68514425193	AU60 LH	(5,000)	(38.2)	(233.0)	(16)	(79)	(80)	(128)	(51)	(180)	(230)	(120)	(130)	M42-LH	(18)	(102)

Notes: \blacksquare G = Maximum load per element.

■ Mdd = Dynamic element torque @ $\pm 5^{\circ}$ in a speed range of 300-600 RPM.

■ See pages 34 and 35 for additional product and performance data.

Rocker Oscillation Angle Calculation

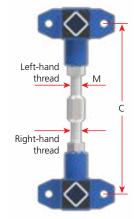
Eccentric Radius: R (in)

 $\alpha = \arctan\left(\frac{R}{C}\right)$ Center Distance: C (in)

Oscillation Angle: $\alpha \pm (^{\circ})$

Connection Rod

Customers must provide their own connection rods. It is recommended to use both right-handed and left-handed threaded rods with corresponding right-handed and left-handed AU Oscillating Mounts. When using both right and left-handed threaded rods, the length of the rockers can be easily adjusted, and lateral sliding of the trough will be avoided. The center distance between housings must be identical for all of the equipment rocker arms. The thread must be engaged in each of the housings, 1.5 times the diameter of the connection rod, as shown in the diagram to the right.



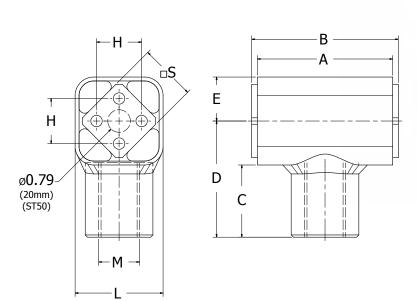
Oscillating Mounts

ST Drive Heads



RunRight™ ST Drive Heads

The RunRight[™] ST is a drive head design which transmits power from an eccentric, through the connecting rod and flexible head, to activate vibratory conveyors, screens, or feeder apparatus and equipment. The outer housings are manufactured steel weldments and the inner squares are aluminum. They have standard Tensys[™] 10 rubber inserts and can be used for applications operating within a -40° to 180°F (-40° to 80°C) temperature range.





Drive Heads Ty	pe ST													
		F Max	RPM					Dimen	sions - Inc	hes (mm)				
UPC #	Туре	lbs (N)	@ Max @ 5°	Α	В	С	D	E	Н	J	К	L	М	S
68514425165	ST18 RH	90	600	1.97	2.17	1.24	1.77	0.79	0.47	0.24	0.87	1.54	M12	0.71
68514425194	ST18 LH	(400)	000	(50)	(55)	(31.5)	(45)	(20)	(12)	(6)	(22)	(39)	M12LH	(18)
68514425166	ST27 RH	225	560	2.36	2.56	1.59	2.36	1.06	0.79	0.31	1.10	2.13	M16	1.06
68514425195	ST27 LH	(1,000)	300	(60)	(65)	(40.5)	(60)	(27)	(20)	(8)	(28)	(54)	M16LH	(27)
68514425167	ST38 RH	450	530	3.15	3.54	2.09	3.15	1.46	0.98	0.39	1.65	2.91	M20	1.50
68514425196	ST38 LH	(2,000)	550	(80)	(90)	(53)	(80)	(37)	(25)	(10)	(42)	(74)	M20LH	(38)
68514424851	ST45 RH	787	500	3.94	4.33	2.64	3.94	1.73	1.38	0.47	1.89	3.50	M24	1.77
68514425197	ST45 LH	(3,500)	300	(100)	(110)	(67)	(100)	(44)	(35)	(12)	(48)	(89)	M24LH	(45)
68514424852	ST50 RH	1,350	470	4.72	5.12	2.76	4.13	1.89	1.57	M12 X	2.36	3.66	M36	1.97
68514425198	ST50 LH	(6,000)	4/0	(120)	(130)	(69.5)	(105)	(47)	(40)	40	(60)	(93)	M36LH	(50)
Notes: ■ Higher RPN	M's can be ach	nieved if the	oscillation ar	igle if less t	han +/-5°.	= 9	See pages 3	4 and 35 fo	r additional	product an	d performan	ce data.		

Drive Rod Length

The oscillation angle cannot exceed +/-5.7° to meet permissible frequency guidelines. The oscillation angle corresponds to the ratio of R:A_{st} by 1:10.

ST Oscillation Angle Calculation

Eccentric Radius: R (mm) Center Distance: A_{ST} (mm) Oscillation Angle: α_{ST} (°)

$$\alpha_{\rm st} = \arcsin\left(\frac{R}{A_{\rm st}}\right)$$

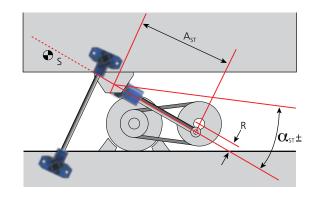


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Oscillating Mounts

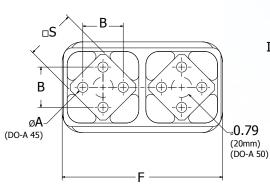
DO-A Spring Accumulators

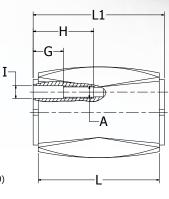
RunRight by LoveJoy

RunRight™ DO-A Spring Accumulators

The RunRight[™] DO-A are highly dynamic spring accumulators, designed for feeder systems that operate near resonance frequency. They are manufactured with cast iron housings and aluminum inner squares. They have standard Tensys[™] 10 rubber inserts and can be used for applications operating within a -40° to 180°F (-40° to 80°C) temperature range.





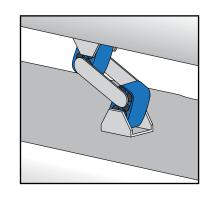


Spring Accum	ulators Ty	/pe DO-A											
		C _s					Dimens	ions - Inche	s (mm)				
UPC #	Туре	in-lbs (N/mm)	Α	В	D	E	F	_	S	G	Н	L	L1
68514425132	DO-A 45x100	571 (100)	0.47	1.38	3.35	2.87	5.90		1.77		_	3.17 (80)	3.54 (90)
68514425133	DO-A 45x150	713 (125)	(12)	(35)	(85)	(73)	(150)		(45)	_	_	3.94 (100)	4.33 (110)
68514457671	DO-A 50x120	1,084 (190)								1.18 (30)	2.36 (60)	4.72 (120)	5.12 (130)
68514484850	DO-A 50x160	1,284 (225)	M12	1.57 (40)	3.54 (90)	3.07 (78)	6.26 (159)	0.48 (12.25)	1.97 (50)	1.18 (30)	2.36 (60)	6.30 (160)	6.69 (170)
68514457672	DO-A 50x200	1,827 (320)								1.57 (40)	2.76 (70)	7.87 (200)	8.27 (210)

Notes: \blacksquare C_s = dynamic spring value of the complete accumulator oscillating at an angle of $\pm 5^{\circ}$ and between 300-600 RPM (n_s).

1 spring accumulator consists of two (2) DO-A elements.

Operating parameters								
Angle of Oscillation	Ad	cumulato	r = 2x DO-/	A 45	Acc	cumulato	r = 2x DO	-A 50
(DO-A series connection)	R	sw	Max n _s	Max K	R	sw	Max n _s	Max K
±6°	15.3	30.6	360	2.2	16.4	32.8	340	2.1
±5°	12.8	25.6	500	3.6	13.6	27.2	470	3.4
±4°	10.2	20.4	740	6.2	10.9	21.8	700	6.0



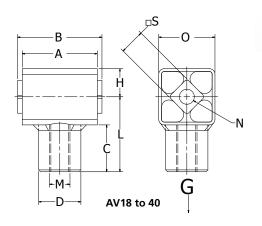
See pages 34 and 35 for additional product and performance data.

Oscillating Mounts

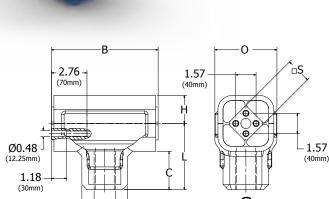
AV

RunRight™ Oscillation Mounts AV

The RunRight[™] Oscillation Mounts AV have larger than standard elastomeric elements, and are designed for free-hanging gyratory sifting machines. The outer housings are manufactured steel weldment and the inner squares are aluminum. They have standard Tensys[™] 10 rubber inserts and can be used for applications operating within a -40° to 180°F (-40° to 80°C) temperature range.







AV50

RunRight

Drive Heads Ty	pe AV											
		G Max				Dim	ensions - In	ches (mm)				
UPC #	Туре	lbs (N)	Α	В	С	D	Н	L	М	N	0	S
68514463374	AV18 RH	135-360	2.36	2.56	1.59	1.10	1.06	1.54	M16	0.51	0.71	2.13
68514463375	AV18 LH	(600-1,600)	(60)	(65)	(40.5)	(28)	(27)	(39)	M16LH	(13)	(54)	(18)
68514463376	AV27 RH	290-675	3.15	3.54	2.09	1.65	1.46	2.13	M20	0.63	0.71	2.91
68514463377	AV27 LH	(1,300-3,000)	(80)	(90)	(53)	(42)	(37)	(54)	M20LH	(16)	(74)	(27)
68514463378	AV38 RH	585-1,125	3.94	4.33	2.64	1.89	1.73	2.91	M24	0.79	0.71	3.50
68514463379	AV38 LH	(2,600-5,000)	(100)	(110)	(67)	(48)	(44)	(74)	M24LH	(20)	(89)	(38)
68514463940	AV40 RH	1,000-1,685	4.72	5.12	2.76	2.36	1.89	3.50	M36	0.79	0.71	3.66
68514463939	AV40 LH	(4,500-7,500)	(120)	(130)	(69.5)	(60)	(47)	(89)	M36LH	(20)	(93)	(45)
68514463382	AV50 RH	1,350-3,600	7.87	8.28	3.35	3.15	2.36	3.66	M42		0.71	4.57
68514463383	AV50 LH	(6,000-16,000)	(200)	(210)	(85)	(80)	(59)	(93)	M42LH	_	(116)	(50)
Note: ■ See pages 3	4 and 35 for a	dditional product a	ind performan	ice data.	,							

Application Example: Free-hanging Sifting Machine

Rocker Oscillation Angle Formula

Eccentric Radius (circular oscillation): R (0.8 in) Length of Connection Rod: L (24 in) $\beta = \arctan\left(\frac{R}{L}\right)$

Oscillation Angle (cannot exceed $\pm 2^{\circ}$): $\beta \pm (1.9^{\circ})$

Required Load For Each Suspension Rod Formula

Oscillating Mass Including Material: m (1,764 lb)

Number of Suspension Rods: s (4) Load per Suspension Rod: G (441 lb) $G = \left(\frac{m}{s}\right)$

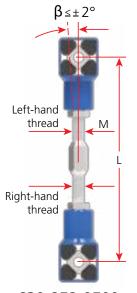
Maximum Load Capacity per Suspension Rod: G Max (674 lb)

Eight AV27 Oscillating Mounts are required for this application.

Connection Rod

 $_{\square}\,D$

Customers must provide their own connection rods. It is recommended to use both right-handed and left-handed threaded rods with corresponding right-handed and left-handed AV Oscillating Mounts. When using both right and left-handed threaded rods, the length of the rockers can be easily adjusted and lateral sliding of the trough will be avoided. The center distance between housings must be identical for all of the equipment rocker arms. The thread must be engaged in each of the housings, 1.5 times the diameter of the connection rod, as shown in the diagram to the right.



630-852-0500

Oscillating Mounts

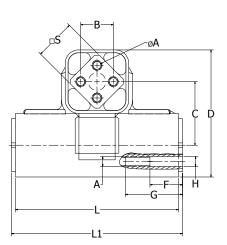
AK

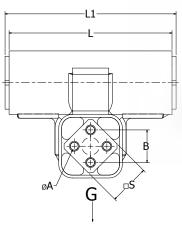


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RunRight™ Oscillation Mounts AK

The RunRight™ Oscillation Mounts AK are designed for supporting or suspending gyratory sifting machines. The outer housings and inner squares are manufactured out of aluminum. They have standard Tensys[™] 10 rubber inserts and can be used for applications operating within a -40° to 180°F (-40° to 80°C) temperature range.







Universal Joi	nts Type A	ıK												
		G lo	ad Max in	lbs (N)				Dir	nensions -	Inches (m	ım)			
UPC #	Туре	Hanging	Crank driven	Free oscillating	Α	В	С	D	F	G	Н	L	L1	S
68514425220	AK15	36 (160)	29 (128)	18 (80)	0.20 (5)	0.39 (10)	1.06 (27)	2.13 (54)	_	_	_	2.36 (60)	2.56 (65)	0.59 (15)
68514425221	AK18	67 (300)	54 (240)	34 (150)	0.24 (6)	0.47 (12)	1.26 (32)	2.52 (64)	_	_	_	3.15 (80)	3.35 (85)	0.71 (18)
68514425222	AK27	180 (800)	144 (640)	90 (400)	0.31 (8)	0.79 (20)	1.77 (45)	3.54 (90)	_	_	_	3.94 (100)	4.13 (105)	1.06 (27)
68514425223	AK38	360 (1,600)	288 (1,280)	180 (800)	0.39 (10)	0.98 (25)	2.36 (60)	4.72 (120)	_	_	_	4.72 (120)	5.12 (130)	1.50 (38)
68514425224	AK45	670 (3,000)	540 (2,400)	335 (1,500)	0.47 (12)	1.38	2.95 (75)	5.91 (150)	_	_	_	5.91 (150)	6.30 (160)	1.77
68514425225	AK50	1,260 (5,600)	1,010 (4,480)	630 (2,800)	M12	1.57 (40)	3.07 (78)	6.14 (156)	1.58 (40)	2.76 (70)	0.48 (12.25)	7.87 (200)	8.27 (210)	1.97 (50)
68514425226	AK60	2,250 (10,000)	1,800 (8,000)	1,125 (5,000)	M16	1.77 (45)	3.94 (100)	7.87 (200)	1.97 (50)	3.15 (80)	0.65 (16.5)	11.81 (300)	12.20 (310)	2.36 (60)
68514425227	AK80	4,500 (20,000)	3,600 (16,000)	2,250 (10,000)	M20	2.36 (60)	5.35 (136)	10.71 (272)	1.97 (50)	3.54 (90)	0.81 (20.5)	15.75 (400)	16.14 (410)	3.15 (80)
68514457674	AK100-4	6,750 (30,000)	5,400 (24,000)	3,375 (15,000)	M24	2.95 (75)	6.69 (170)	13.39 (340)	1.97 (50)	3.94 (100)	0.98 (25)	15.75 (400)	16.14 (410)	3.94 (100)
68514457675	AK100-5	9,000 (40,000)	7,200 (32,000)	4,500 (20,000)	M24	2.95 (75)	6.69 (170)	13.39 (340)	1.97 (50)	3.94 (100)	0.98 (25)	19.68 (500)	20.08 (510)	3.94 (100)

Notes: ■ G is the maximum load per support.

■ Drive speed should not exceed 380 RPM.

■ Oscillation angle should not exceed ±3.5°.

■ Operating requirements should not exceed recommendations on Allowable Element Frequencies page 6. ■ See pages 34 and 35 for additional product and performance data.

Application Example: Supported Sifter with Positive Crank Drive

Rocker Oscillation Angle Formula

Eccentric Radius (circular oscillation): R (1 in) Length of Connection Rod: L (24 in)

Revolutions: n_s (240 RPM)

Oscillation Angle (cannot exceed $\pm 3.5^{\circ}$): $\alpha \pm (2.4^{\circ})$

$$\alpha = \arctan\left(\frac{R}{L}\right)$$

Required Load For Each Suspension Rod Formula

Oscillating Mass Including Material: m (3,500 lb)

Number of Suspension Rods: s (4)

Load per Suspension Rod: G (875 lb)

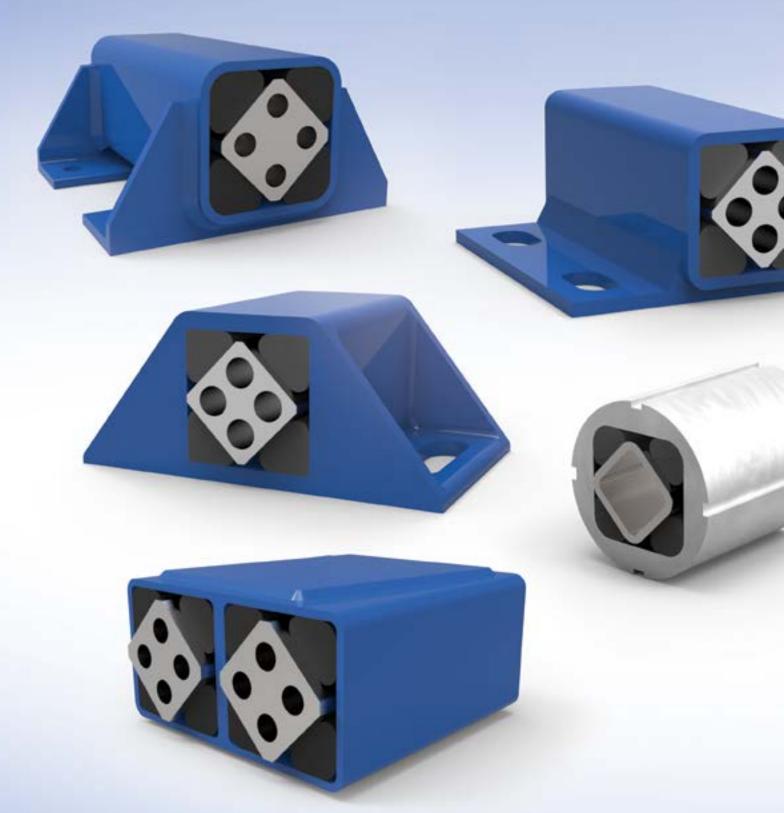
Maximum Load Capacity per Suspension Rod: G Max (1,010 lb)

Eight AK50 Oscillating Mounts are required for this application.

 $G = \left(\frac{m}{s}\right)$

RunRight[™] by Lovejoy





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Rubber Suspension Units

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Safety Warning



When using Lovejoy products, you must follow these instructions and take the following precautions. Failure to do so may cause the power transmission product to break and parts to be thrown with sufficient force to cause severe injury or death.

Refer to this Lovejoy Catalog for proper selection, sizing, horsepower, torque range, and speed range of power transmission products, including elastomeric elements for couplings. Follow the installation instructions included with the product, and in the individual product catalogs for proper installation of power transmission products. Do not exceed catalog ratings.

Do not use any of these power transmission products for elevators, man lifts, or other devices that carry people. If the

power transmission product fails, the lift device could fall resulting in severe injury or death.

For all power transmission products, you must install suitable guards in accordance with OSHA and American Society of Mechanical Engineers Standards. Do not start power transmission product before suitable guards are in place. Failure to properly guard these products may result in severe injury or death from personnel contacting moving parts or from parts being thrown from assembly in the event the power transmission product fails.

If you have any questions, contact the Lovejoy Engineering Department at 1-630-852-0500.

Rubber Suspension Units Selection Guide

			Inner Square Type	
		Α	С	S
		Size 15-50 = Aluminum Size 60+ = Steel	Aluminum	Steel Tube
	DR Steel Tube	DR-A 15 to 50 See page 52	DR-C 15 to 50 See page 52	DR-S 11 to 50 See page 53
	DK Aluminum	DK-A 15 to 50 See page 54	DK-C Special Request Only	DK-S 11 to 50 See page 54
Outer Housing lype	DW Cast Iron	DW-A 15 to 50 See pages 55 & 56	DW-C 15 to 38 See page 55	DW-S 15 to 50 Special Request Only
Outer Hou	DW Steel Weldment	DW-A 15 to 100 See pages 55 & 56	DW-C 45 to 100 Special Request Only	DW-S 45-100 Special Request Only
	DO Cast Iron	DO-A 15 to 50 See page 57	DO-C 15 to 50 Special Request Only	DO-S 15 to 50 Special Request Only
	DO Steel Weldment	DO-A 15 to 45 See page 57	DO-C 15 to 50 Special Request Only	DO-S 15 to 50 Special Request Only
	Notes:	■ Recommeded for applications that oscillate more than ±10° across the neutral element position. ■ Sizes 15 through 45 are fastened using nuts and bolts that reach completely through the inner square. ■ Sizes 50 and up are fastened using bolts threaded into each end of the inner square.	■ Recommended for applications that do not oscillate more than ±10° across the neutral element position. ■ Elements are friction locked into place by a single center bolt, allowing for 360° positioning.	■ Recommended for Plug-In connection with the inner square. ■ Plug-In length must be a min. of 2x the width across the flats of the inner square. ■ The Plug-In connections are NOT recommended for applications that experience back and forth oscillations across the neutral element position.
		DO NOT weld the rubber suspension for customized units.	I units. The heat will affect or destroy the ru	L ubber elements. Please contact Lovejoy

- Accessories for Housings **Zinc Plated Steel BR11 to BR50 Bracket** See page 53 BK11 to BK50 Bracket See page 54
- Accessories for Inner Square type A **Zinc Plated Steel** WS11 to WS50 Bracket See page 58

- 2. Many of the rubber suspension units can be supplied in stainless steel, zinc plated or painted for your specific application. Please contact Lovejoy for customized units.
- 3. Mounting hardware must have a minimum strength Class of 8.8.

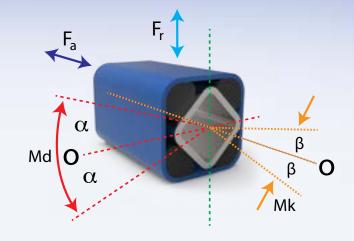
RunRight

Rubber Suspension Units

Torque Chart

RunRight™ Rubber Suspension Units Torque Chart

The chart below gives statically measured torques at a specific force and deflection for the Tensys™ 10 rubber used in the RunRight™ Rubber Suspension units. If needed, other values can be interpolated. Please contact Lovejoy for applications that have combined dynamic forces and high oscillation angles, or refer to pages 4 to 7 in this catalog.



Ele	ment	t			Tor	que			Cardanic	Rad	ial	Axia	al
Nominal	х	Length				[Nm] e ±α°			Mk [Nm] angle ±β°	Deflection ± S _r	Load F _r	Deflection ± S _a	Load F _a
size			5°	10°	15°	20°	25°	30°	1°	[mm]	[N]	[mm]	[N]
11	х	20	0.3	0.8	1.3	2.0	2.9	4.0	0.4		200		60
11	х	30	0.4	1.2	2.0	3.1	4.3	6.0	1.1	0.25	340	0.25	80
11	х	50	0.7	2.0	3.4	5.1	7.2	10.0	5.6]	600]	150
15	х	25	0.7	1.6	2.6	4.0	5.7	8.2	0.6		200		70
15	Х	40	1.1	2.5	4.2	6.4	9.2	13.2	2.0	0.25	300	0.25	100
15	Х	60	1.6	3.8	6.3	9.6	13.8	19.8	5.5		500		160
18	Х	30	1.9	4.5	7.5	11.0	15.0	20.6	1.6		400		80
18	х	50	3.2	7.5	12.5	18.3	25.0	34.4	7.0	0.25	700	0.25	160
18	х	80	5.1	12.0	20.0	29.3	40.0	55.0	28.0		1,000		300
27	Х	40	4.7	10.7	17.5	26.9	39.5	57.0	3.8		800		200
27	Х	60	7.0	16.0	26.3	40.3	59.3	85.5	11.5	0.5	1,300	0.50	300
27	Х	100	11.7	26.7	43.8	67.2	98.8	142.5	48.0		2,400		600
38	Х	60	13.0	30.4	50.6	78.0	113.0	162.0	11.4		1,500		300
38	х	80	17.3	40.5	67.5	104.0	151.0	216.0	24.7	0.5	2,000	0.50	500
38	х	120	26.0	60.8	101.2	156.0	226.0	324.0	76.0		3,000		600
45	Х	80	27.6	62.4	104.0	160.0	222.0	320.0	28.0		1,900		560
45	Х	100	34.5	78.0	130.0	200.0	278.0	400.0	54.0	0.5	3,000	0.50	700
45	Х	150	51.8	117.0	195.0	300.0	420.0	600.0	140.0]	4,800		1,000
50	Х	120	51.0	133.0	250.0	395.0	570.0	780.0	80.0		2,800		800
50	Х	160	77.0	197.0	363.0	570.0	820.0	1,115.0	145.0	0.5	4,500	0.50	950
50	Х	200	102.0	260.0	475.0	745.0	1070.0	1,450.0	250.0	0.5	6,300	0.50	1,100
50	Х	300	150.0	385.0	700.0	1,100.0	1,590.0	2,160.0	1,200.0]	8,600]	2,200
60	Х	150	75.0	170.0	300.0	460.0	700.0	1,010.0	90.0		5,400		1,600
60	Х	200	95.0	220.0	385.0	610.0	930.0	1,380.0	250.0	1.0	7,200	1.00	2,200
60	Х	300	140.0	365.0	630.0	995.0	1,550.0	2,240.0	900.0		9,400		3,200
70	Х	200	140.0	380.0	650.0	1,040.0	1,490.0	2,120.0	280.0		9,000		2,200
70	Х	300	190.0	525.0	910.0	1,470.0	2,160.0	3,150.0	1,200.0	1.0	12,000	1.00	3,600
70	Х	400	250.0	765.0	1,315.0	2,160.0	3,175.0	4,750.0	2,200.0		14,000	<u> </u>	4,000
80	Х	200	200.0	500.0	850.0	1,300.0	1,900.0	2,700.0	680.0		10,000		2,500
80	х	300	300.0	800.0	1,300.0	2,000.0	2,900.0	4,100.0	1,500.0	1.0	15,000	1.00	3,800
80	х	400	400.0	1,060.0	1,800.0	2,800.0	3,900.0	5,600.0	4,600.0		19,000		4,700
100	х	250	400.0	1,080.0	1,800.0	2,800.0	4,100.0	6,300.0	1,200.0		15,000		3,200
100	Х	400	640.0	1,700.0	2,900.0	4,500.0	6,600.0	10,000.0	4,300.0	1.0	28,000	1.00	5,800
100	Х	500	800.0	2,160.0	3,600.0	5,600.0	8,200.0	12,000.0	8,000.0		38,000		7,500

JBBER SUSPENSION

øΑ

 $-DR-A 50 = \emptyset 20mm$

Rubber Suspension Units **DR-A, DR-C**

RunRight™ Rubber Suspension Unit DR-A

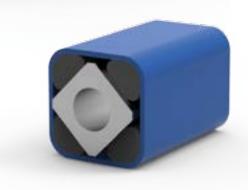
The RunRight[™] Rubber Suspension Unit DR-A has 4 bore holes in the inner square and is designed to transmit alternating motions from the neutral position. A bolt through either two, or all four of the bore holes, can be used to mount a lever to either one or both sides of the unit. They are manufactured with steel housings and an aluminum inner square. They have standard Tensys[™] 10 rubber inserts and can be used for applications operating within a -40° to 180°F (-40° to 80°C) temperature range.

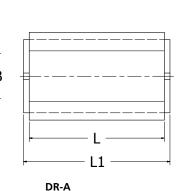
RunRight™ Rubber Suspension Unit DR-C

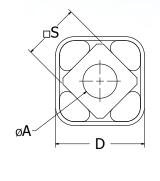
The RunRight Rubber Suspension Unit DR-C has one central bore and can be positioned between 0° and 360°. The frictional force of this unit guarantees a secure connection of the lever arms in any position. They are manufactured with steel housings and an aluminum inner square. They have standard Tensys 10 rubber inserts and can be used for applications operating within a -40° to 180°F (-40° to 80°C) temperature range.

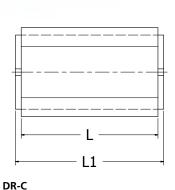












	DR-A				DR-C			Dimension	ns - Millimete	rs
UPC #	Туре	Dimens Millim		UPC #	Туре	Dimensions - Millimeters	D	S	L	L1
		Α	В			Α				
68514425013	DR-A 15x25			68514463628	DR-C 15x25				25	30
68514425014	DR-A 15x40	5	10	68514463629	DR-C 15x40	10	27	15	40	45
68514417485	DR-A 15x60			68514463630	DR-C 15x60				60	65
68514424839	DR-A 18x30			68514463631	DR-C 18x30				30	35
68514425017	DR-A 18x50	6	12	68514463632	DR-C 18x50	13	32	18	50	55
68514425018	DR-A 18x80			68514463633	DR-C 18x80				80	85
68514425019	DR-A 27x40			68514437571	DR-C 27x40				40	45
68514425020	DR-A 27x60	8	20	68514437572	DR-C 27x60	16	45	27	60	65
68514417487	DR-A 27x100			68514437573	DR-C 27x100				100	105
68514425022	DR-A 38x60			68514437574	DR-C 38x60				60	70
68514425023	DR-A 38x80	10	25	68514437575	DR-C 38x80	20	60	38	80	90
68514425024	DR-A 38x120			68514437576	DR-C 38x120				120	130
68514484305	DR-A 45x80			68514463634	DR-C 45x80				80	90
68514484306	DR-A 45x100	12	35	68514463635	DR-C 45x100	24	75	45	100	110
68514484307	DR-A 45x150			_	_				150	160
68514484308	DR-A 50x120			68514463834	DR-C 50x120				120	130
68514484309	DR-A 50x200	M12x40	40	68514463924	DR-C 50x200	30	80	50	200	210
68514484310	DR-A 50x300]		_	_				300	310

RunRight

Rubber Suspension Units

DR-S, BR Brackets

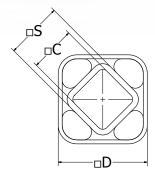
RunRight™ Rubber Suspension Unit DR-S

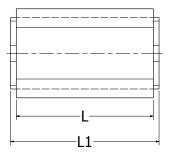
The RunRight™ Rubber Suspension Unit DR-S is perfect for square lever arms. The length of the inserted lever arm needs to be three times that of dimension C, as shown in the drawing to the right. Only one through-bolt is required on the smaller units through the DR-S 18. Frictional force is used to secure the lever arms at any position within 360°. They are manufactured with steel housings and inner squares. They have standard Tensys™ 10 rubber inserts and can be used for applications operating within a -40° to 180°F (-40° to 80°C) temperature range.

Rubber Suspen	sion Units DR-S					
UPC#	Time		Dir	nensions -	Millimeters	
UPC #	Туре	С	D	S	L	L1
68514425031	DR-S 11x20				20	25
68514425032	DR-S 11x30	8	20	11	30	35
68514425033	DR-S 11x50				50	55
68514425034	DR-S 15x25				25	30
68514425035	DR-S 15x40] 11	27	15	40	45
68514425036	DR-S 15x60	1			60	65
68514425037	DR-S 18x30				30	35
68514425038	DR-S 18x50	12	32	18	50	55
68514425039	DR-S 18x80				80	85
68514425040	DR-S 27x40				40	45
68514425041	DR-S 27x60	22	45	27	60	65
68514425042	DR-S 27x100	<u> </u>			100	105
68514425043	DR-S 38x60				60	70
68514425044	DR-S 38x80	30	60	38	80	90
68514425045	DR-S 38x120]			120	130
68514484060	DR-S 45x80				80	90
68514425047	DR-S 45x100	35	75	45	100	110
68514484064	DR-S 45x150]			150	160

80







RunRight™ BR Brackets

68514425049

68514425050

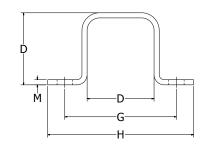
68514425051

The RunRight BR Bracket is for positioning and securing all DR suspension units. These steel clamps are supplied separately and do not include bolts. Lovejoy recommends using two or more clamps on the longer DR suspension units.

DR-S 50x120

DR-S 50x200

DR-S 50x300



120

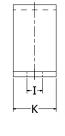
200

300

130

210

310





T			Dimensions	- Millimeters		
туре	D	G	Н	I	K	М
BR11	20	37	50	6	20	2.0
BR15	27	50	65	7	25	2.0
BR18	32	60	80	9	30	2.5
BR27	45	80	105	11	35	3.0
BR38	60	100	125	13	40	4.0
BR45	75	120	150	13	45	5.0
BR50	80	135	175	18	50	6.0
	BR15 BR18 BR27 BR38 BR45 BR50	BR11 20 BR15 27 BR18 32 BR27 45 BR38 60 BR45 75 BR50 80	BR11 20 37 BR15 27 50 BR18 32 60 BR27 45 80 BR38 60 100 BR45 75 120 BR50 80 135	Type D G H BR11 20 37 50 BR15 27 50 65 BR18 32 60 80 BR27 45 80 105 BR38 60 100 125 BR45 75 120 150 BR50 80 135 175	BR11 20 37 50 6 BR15 27 50 65 7 BR18 32 60 80 9 BR27 45 80 105 11 BR38 60 100 125 13 BR45 75 120 150 13	Type D G H I K BR11 20 37 50 6 20 BR15 27 50 65 7 25 BR18 32 60 80 9 30 BR27 45 80 105 11 35 BR38 60 100 125 13 40 BR45 75 120 150 13 45 BR50 80 135 175 18 50

Note: ■ See pages 50 and 51 for additional product and performance data.

Rubber Suspension Units **DK-A, DK-S, BK Brackets**



RunRight™ Rubber Suspension Unit DK-A

The RunRight™ Rubber Suspension Unit DK-A has 4 bore holes in the inner square and is designed to transmit alternating motions from the neutral position. A bolt through either two, or all four of the bore holes, can be used to mount a lever to either side of the unit. They are manufactured with aluminum housings and inner squares. They have standard Tensys™ 10 rubber inserts and can be used for applications operating within a -40° to 180°F (-40° to 80°C) temperature range.

DK-A 50 = @20

RunRight™ Rubber Suspension Unit DK-S

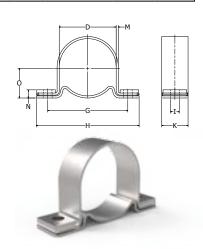
The RunRight Rubber Suspension Unit DK-S is perfect for square lever arms. The length of the inserted lever arm needs to be three times that of dimension C, as shown in the drawing to the right. This kind of connection is great for plus or minus angular motions. These units cannot take alternating motions across the neutral axis. They are manufactured with aluminum housings and steel inner squares. They have standard Tensys 10 rubber inserts and can be used for applications operating within a -40° to 180°F (-40° to 80°C) temperature range.

Rubber Suspens	sion Units DK-A,	DK-S												
	DK-A				DK-S		Dimensions - Millimeters							
UPC #	Туре	Dimensi Millime		UPC #	Туре	Dimensions - Millimeters	D	E	F	S	L	L1		
		Α	В			С								
				68514425095	DK-S 11x20						20	25		
				68514425096	DK-S 11x30	8	28	4	2.5	11	30	35		
				68514425097	DK-S 11x50						50	55		
68514425080	DK-A 15x25			68514425098	DK-S 15x25						25	30		
68514425081	DK-A 15x40	5	10	68514425099	DK-S 15x40	10	36	5	2.5	15	40	45		
68514425082	DK-A 15x60			68514425100	DK-S 15x60						60	65		
68514425083	DK-A 18x30			68514425101	DK-S 18x30						30	35		
68514425084	DK-A 18x50	6	12	68514425102	DK-S 18x50	13	45	5	2.5	18	50	55		
68514424855	DK-A 18x80			68514425103	DK-S 18x80						80	85		
68514425086	DK-A 27x40			68514425104	DK-S 27x40						40	45		
68514425087	DK-A 27x60	8	20	68514425105	DK-S 27x60	16	62	6	3.0	27	60	65		
68514425088	DK-A 27x100			68514425106	DK-S 27x100						100	105		
68514425089	DK-A 38x60			68514425107	DK-S 38x60						60	70		
68514425090	DK-A 38x80	10	25	68514425108	DK-S 38x80	20	80	7	3.5	38	80	90		
68514425091	DK-A 38x120			68514425109	DK-S 38x120						120	130		
68514425092	DK-A 45x80			68514425110	DK-S 45x80						80	90		
68514425093	DK-A 45x100	12	35	68514425111	DK-S 45x100	24	95	8	4.0	45	100	110		
68514425094	DK-A 45x150			68514425112	DK-S 45x150						150	160		
68514446319	DK-A 50x120			68514446321	DK-S 50x120						120	130		
68514446317	DK-A 50x200	M12x40	40	68514446320	DK-S 50x200	30	108	8	4.0	50	200	210		
68514446316	DK-A 50x300			68514446318	DK-S 50x300						300	310		
Note: ■ See pages 50	and 51 for additiona	al product and	perform	ance data.			_							

RunRight[™] **BK Brackets**

The RunRight BK Bracket is for positioning and securing all DK suspension units using the frictional force created between the double clamps. These steel clamps are supplied separately and do not include bolts. Lovejoy recommends using two or more clamps on the longer DK suspension units.

BK Brackets									
UDC #	T			Dim	ensions -	Millimeter	s		
UPC #	Туре	D	G	Н		K	М	N	0
68514425113	BK11	28	45	60	6.5	20	1.5	6	15.5
68514425114	BK15	36	55	75	6.5	25	2.0	7	20.0
68514425115	BK18	45	68	90	8.5	30	2.0	8	24.5
68514425116	BK27	62	92	125	10.5	35	2.5	10	33.5
68514425117	BK38	80	115	150	12.5	40	3.0	11	43.0
68514424451	BK45	95	130	165	12.5	45	4.0	14	51.5
68514446315	BK50	108	152	195	16.5	50	4.0	15	58.0



Rubber Suspension Units

DW-A 15 to 38, DW-C 15 to 38

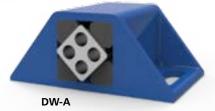
RunRight™ Rubber Suspension Unit DW-A 15 to 38

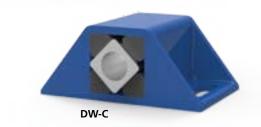
The RunRight™ Rubber Suspension Unit DW-A has 4 bore holes in the inner square and the brackets are welded to the housing. They are designed to transmit alternating motions from the neutral position. A bolt through either two, or all four of the bore holes, can be used to mount a lever to either one or both sides of the unit. They are manufactured with cast iron or steel housings and aluminum inner squares, see chart below. They have standard Tensys™ 10 rubber inserts and can be used for applications operating within a -40° to 180°F (-40° to 80°C) temperature range.

RunRight™ Rubber Suspension Unit DW-C 15 to 38

The RunRight Rubber Suspension Unit DW-C has one central bore, allowing a lever arm to be positioned between 0° and 360°, and the brackets are welded to the housing. The frictional force of this unit guarantees a secure connection of the lever arms in any position. They are manufactured with cast iron or steel housings and aluminum inner squares, see chart below. They have standard Tensys 10 rubber inserts and can be used for applications operating within a -40° to 180°F (-40° to 80°C) temperature range.

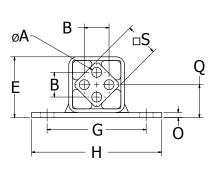




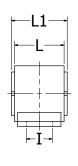


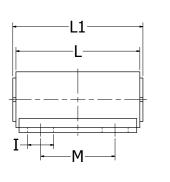
DW-A

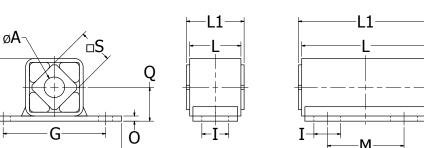
DW-C



Н







	DW-A				DW-C		Dimensions - Millimeters										
UPC #	Туре		nsion- neters	UPC #	Туре	Dimension- Millimeters	E	G	н	I	0	Q	s	L	L1	М	Construction
		Α	В			Α											
68514480069	DW-A 15x25			68514480081	DW-C 15x25		29.5		65	7 x 12	2.5	16.0		25	30		Steel
68514480070	DW-A 15x40	5	10	68514480082	DW-C 15x40	10	28.0	50	66	7 x 22	3.0	14.0	15	40	45	-	Cast Iron
68514480071	DW-A 15x60			68514480083	DW-C 15x60		29.5		65	7 x 12	2.5	16.0		60	65	40	Steel
68514480072	DW-A 18x30			68514480084	DW-C 18x30		35.0			9 x 16.5	3.5	19.0		30	35		Steel
68514480073	DW-A 18x50	6	12	68514480085	DW-C 18x50	13	34.0	60	80	9 x 30	4.0	17.0	18	50	55	_	Cast Iron
68514480074	DW-A 18x80			68514480086	DW-C 18x80		35.0			9 x 16.5	3.5	19.0		80	85	50	Steel
68514480075	DW-A 27x40			68514480087	DW-C 27x40		49.0			11 x 21	4.0	26.5		40	45	_	Steel
68514480076	DW-A 27x60	8	20	68514480088	DW-C 27x60	16	48.0	80	105	11 x 31	5.0	24.5	27	60	65	_	Cast Iron
68514480077	DW-A 27x100			68514480089	DW-C 27x100]	49.0			11 x 21	4.0	26.5		100	105	60	Steel
68514480078	DW-A 38x60			68514480090	DW-C 38x60		65.0			13 x 28	5.0	35.0		60	70	_	Steel
68514480079	DW-A 38x80	10	25	68514480091	DW-C 38x80	20	64.0	100	125	13 x 25.4	6.0	32.0	38	80	90	40	Cast Iron
68514480080	DW-A 38x120			68514480092 DW-C 38x120			65.0			13 x 28	5.0	35.0		120	130	80	Steel

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Rubber Suspension Units **DW-A 45 to 50, DW-A 60 to 100**

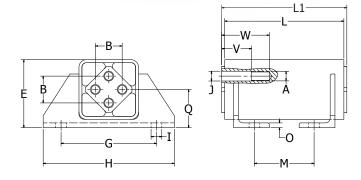
RunRight™ Rubber Suspension Unit DW-A 45 to 50

The RunRight[™] Rubber Suspension Unit DW-A has 4 bore holes in the inner square and the brackets are welded to the housing. They are designed for transmitting alternating motions from the neutral position. A bolt through either two, or all four of the bore holes, can be used to mount a lever to either one or both sides of the unit. They are manufactured with cast iron or steel housings and aluminum inner squares, see chart below. They have standard Tensys[™] 10 rubber inserts and can be used for applications operating within a -40° to 180°F (-40° to 80°C) temperature range.

RunRight™ Rubber Suspension Unit DW-A 60 to 100

The RunRight Rubber Suspension Unit DW-A has 4 bore holes in the inner square and the brackets are welded to the housing. They are designed for transmitting alternating motions from the neutral position. A bolt through either two, or all four of the bore holes, can be used to mount a lever to either one or both sides of the unit. They are manufactured with steel housings and inner squares. They have standard Tensys 10 rubber inserts and can be used for applications operating within a -40° to 180°F (-40° to 80°C) temperature range.





Rubber Suspe	nsion Units	DW-A 45 1	to 50											
UPC #	Туре	Α	В	E	G	Н	I	0	Q	S	L	L1	М	Construction
68514463923	DW-A 45x100	12	35	77	80	115	13 x 30.5	7	38	45	100	110	40	Cast Iron
68514463636	DW-A 50x120			65			18 x 38		35		120	130	50	Cast Iron
68514484320	DW-A 50x160	M12X40	40	64	100	125	18 x 30	8	32	50	160	170	70	Steel
68514463637	DW-A 50x200			65			18 x 30		35		200	210	70	Cast Iron

Rubber Suspe	nsion Units	DW-A	60 to 1	00													
UPC #	Туре	Α	В	E	G	Н	ı	J	0	Q	S	٧	W	L	L1	М	Construction
68514484258	DW-A 60X150											40	70	150	160	60	Steel
68514484259	DW-A 60X200	M16	45	115	160	220	18	16.5	8	65	60	50	80	200	210	100	Steel
68514484260	DW-A 60X300											50	80	300	310	200	Steel
68514484261	DW-A 70X200													200	210	100	Steel
68514484262	DW-A 70X300	M20	50	140	200	260	22	20.5	9	80	70	50	90	300	310	200	Steel
68514484263	DW-A 70X400													400	410	300	Steel
68514484264	DW-A 80X200													200	210	80	Steel
68514484265	DW-A 80X300	M20	60	153	220	280	22	20.5	10	85	80	50	90	300	310	180	Steel
68514484266	DW-A 80X400													400	410	280	Steel
68514484267	DW-A 100X250													250	260	110	Steel
68514484268	DW-A 100X400	M24	75	195	300	380	26	25.0	12	110	100	50	100	400	410	260	Steel
68514484269	DW-A 100X500													500	510	360	Steel
Note: ■ See pages	50 and 51 for a	dditiona	l product	and perfo	ormance (data.											

RunRight 630-852-0500

Table of Contents

Rubber Suspension Units **DO-A 15 to 45, DO-A 50**



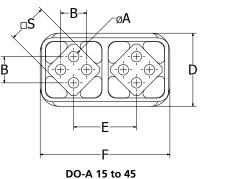
RunRight™ Rubber Suspension Units DO-A 15 to 45

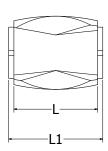
The RunRight™ Rubber Suspension Unit DO-A has 4 bore holes in each of the inner squares. They are designed for transmitting alternating motions from the neutral position. A bolt through either two, or all four of the bore holes, can be used to mount a lever to either one or both sides of the unit. They are manufactured with cast iron or steel weldment housings and aluminum inner squares, see chart below. They have standard Tensys™ 10 rubber inserts and can be used for applications operating within a -40° to 180°F (-40° to 80°C) temperature range.

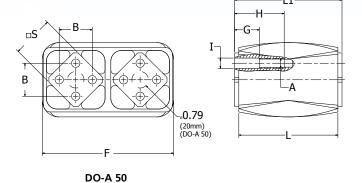


The RunRight Rubber Suspension Unit DO-A 50 has 4 bore holes in each of the inner squares. They are designed for transmitting alternating motions from the neutral position. A bolt through either two, or all four of the bore holes, can be used to mount a lever to either one or both sides of the unit. They are manufactured with cast iron housings and aluminum inner squares. They have standard Tensys 10 rubber inserts and can be used for applications operating within a -40° to 180°F (-40° to 80°C) temperature range.









Rubber Suspe	nsion Units DO	-A										
UPC #	Туре	Α	В	D	E	F	S	G	Н	L	L1	Construction
68514425119	DO-A 15X25			30	26	55				25	30	Cast Iron
68514425120	DO-A 15X40	5	10	30	20	55	15	-	–	40	45	Cast Iron
68514425121	DO-A 15X60			27	27	54				60	65	Steel Weldment
68514425122	DO-A 18X30			36	31	66				30	35	Cast Iron
68514425123	DO-A 18X50	6	12	30	31	00	18	_	—	50	55	Cast Iron
68514425124	DO-A 18X80			37	32	64				80	85	Steel Weldment
68514425125	DO-A 27X40			49		93				40	45	Cast Iron
68514425126	DO-A 27X60	8	20	49	45	95	27	_	—	60	65	Cast Iron
68514425127	DO-A 27X100			51		90				100	105	Steel Weldment
68514425128	DO-A 38X60			70		124				60	70	Cast Iron
68514425129	DO-A 38X80	10	25	70	60	124	38	_	—	80	90	Cast Iron
68514425130	DO-A 38X120			66		120				120	130	Steel Weldment
68514425131	DO-A 45X80				72	148				80	90	Cast Iron
68514425132	DO-A 45X100	12	35	84	12	140	45	_	—	100	110	Cast Iron
68514425133	DO-A 45X150				75	150				150	160	Steel Weldment
68514457671	DO-A 50x120							30	60	120	130	Cast Iron
68514485643	DO-A 50x160	M12x40	40	90	78	164	50	30	60	160	170	Cast Iron
68514457672	DO-A 50x200							40	70	200	210	Cast Iron
Note: ■ See pages	50 and 51 for addit	ional product	and perform	nance data.	·	<u> </u>	<u> </u>	<u> </u>			<u> </u>	·

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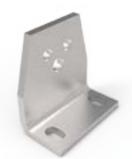
Rubber Suspension Units

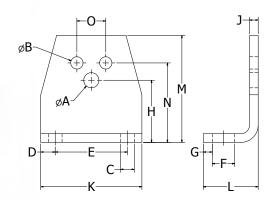
Accessories - WS Brackets



RunRight™ WS Brackets

The RunRight™ WS Bracket offers easy assembly to equipment for the DR-A, DK-A and DO-A Rubber Suspension Units by attaching to the bore holes of the inner squares. The base of the bracket can be positioned in either direction.





WS Brackets																	
		Fit fo	r SE Tens	ioners	Fit for D	Dimensions - Millimeters											
UPC #	Туре	SE Size	Α	Н	Element Size	В	N	0	C	D	E	F	G	J	К	L	М
68514425200	WS11-15	11	6.5	27	15	5.5	35	10	7.0	7.5	30	13.0	11.5	4	45	30	46
68514425201	WS15-18	15	8.5	34	18	6.5	44	12	7.0	7.5	40	13.0	13.5	5	55	32	58
68514425202	WS18-27	18	10.5	43	27	8.5	55	20	9.5	10.0	50	15.5	16.5	6	70	38	74
68514425203	WS27-38	27	12.5	57	38	10.5	75	25	11.5	12.5	65	21.5	21.0	8	90	52	98
68514425204	WS38-45	38	16.5	66	45	12.5	85	35	14.0	15.0	80	24.0	21.0	8	110	55	116
68514425205	WS45-50	45	20.5	80	50	12.5	110	40	18.0	20.0	100	30.0	26.0	10	140	66	140

RunRight 630-852-0500



Need help? Have questions?

We're just a phone call away!

Call Customer Service at 630-852-0500

or visit us online at www.lovejoy-inc.com

NTI-VIBRATION

RunRight by Lovejoy



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Anti-Vibration Mounts

Inside this section:

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Selection Guide	63
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Anti-Vibration Mounts Model: ESL	64-65
Anti-Vibration Mounts Model: V	66



Safety Warning



When using Lovejoy products, you must follow these instructions and take the following precautions. Failure to do so may cause the power transmission product to break and parts to be thrown with sufficient force to cause severe injury or death.

Refer to this Lovejoy Catalog for proper selection, sizing, horsepower, torque range, and speed range of power transmission products, including elastomeric elements for couplings. Follow the installation instructions included with the product, and in the individual product catalogs for proper installation of power transmission products. Do not exceed catalog ratings.

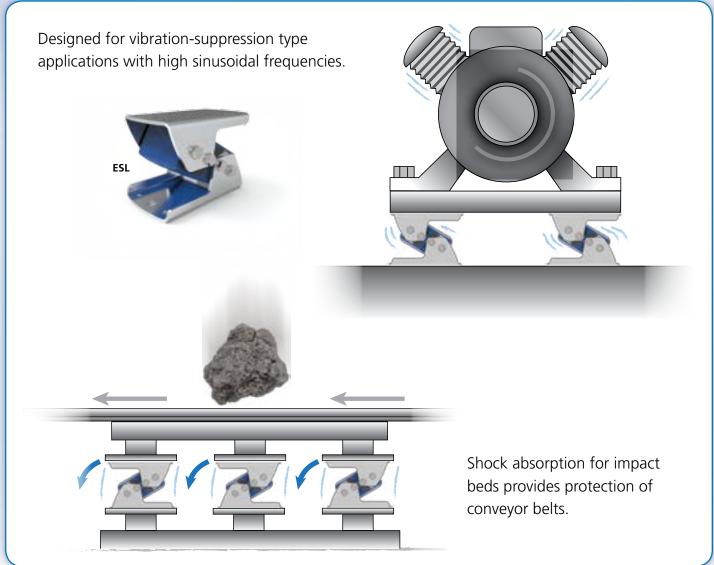
Do not use any of these power transmission products for elevators, man lifts, or other devices that carry people. If the

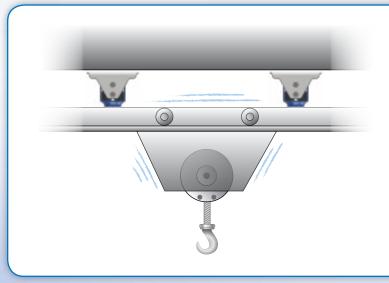
power transmission product fails, the lift device could fall resulting in severe injury or death.

For all power transmission products, you must install suitable guards in accordance with OSHA and American Society of Mechanical Engineers Standards. Do not start power transmission product before suitable guards are in place. Failure to properly guard these products may result in severe injury or death from personnel contacting moving parts or from parts being thrown from assembly in the event the power transmission product fails.

If you have any questions, contact the Lovejoy Engineering Department at 1-630-852-0500.

Anti-Vibration Mounts RunRight Usage Illustrations Py Lovejoy **Usage Illustrations**





Highly elastic suspension units absorb active or passive vibrations, and provide solid-born noise insulation.



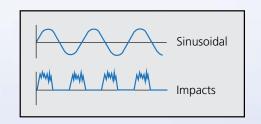
ANTI-VIBRATION

Anti-Vibration Mounts Selection Guide

RunRight™ Model	Туре	Page #	Description
			ESL Anti-Vibration Mounts are used to absorb tensile, pressure and shear loads. Normally horizontally mounted (on floor), they are also ideal for wall and ceiling installations.
O. C.	ESL	64	Available in 8 sizes with a load range of 45 to 4,271 lbs per mount.
	ESL	04	Their natural frequency is between 3.5 and 8 Hz.
			The ESL mounts are used for machine installations where the machine frequency > ESL natural frequency.
			ESL Anti-Vibration Mounts are used to absorb tensile, pressure and shear loads. Normally horizontally mounted (on floor), they are also ideal for wall and ceiling installations.
	V V	66	Available in 6 sizes with a load range of 67 to 2,700 lbs per mount.
			Their natural frequency is between 10 and 30 Hz.
			The Type V mounts are used for machine installations where the machine frequency $<$ Type V natural frequency.

Anti-Vibration Technology

Manufacturers of anti-vibration mounts usually offer machine mounts with varying natural frequencies, to eliminate the excitation frequency of the machine, versus the natural frequency of the anti-vibration mount. Vibration technology differentiates between two types of oscillation signatures. Sinusoidal oscillation of working equipment produces a predictable vibration signature. Sinusoidal oscillations occur on generators, compressors and blowers, which require a soft ESL mount, whereas, shocks or impacts produce a non-predictable signature. For mixers, crushers, punching presses and shears, a V mount would be prefered.



Dampening effect is related to the proportion of the relevant acoustic resistance to acoustic velocity, and the material density. Typically, the ideal amount of isolation of solid-born noise can be expected through the entire frequency range with a rubber-steel mount combination. Isolation in relationship to steel is shown in the chart to the right.

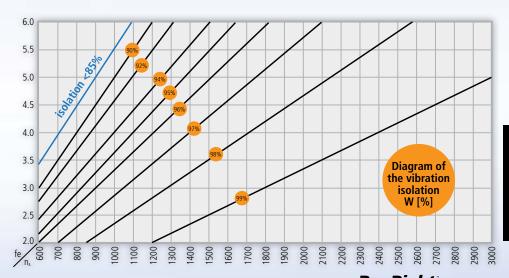
Isolation Properties

Active isolation prevents the direct transfer of a machine's vibrations into the substructure, frame and building. In order to select anti-vibration mounts, the machine structure stiffness, center of gravity, interfering frequency, and machine location need to be known.

Passive isolation installs a protective barrier between the shocks and vibrations that occur in a factory when sensitive instruments, laboratory equipment, or electronic controls are involved. Sensitive equipment needs to be protected by installing them on soft ant-vibration mounts (ESL) that will absorb the environmental impacts.

Acoustic (vs. S	
Steel:	1:1
Bronze:	1:1.3
Cork:	1:400
Rubber:	1:800
Air:	1:90,000

Rubber Compounds	Torque & Load Factor*	Operating Temperature F° (C°)	Rubber Type	Rubber Characteristics					
Tensys™ 10	1.0	-40° to 180° (-40° to 80°)	Natural	Standard					
Tensys [™] 20	approximately 1.0	-22° to 195° (-30° to 90°)	Neoprene	Oil Resistant					
Tensys™ 30	approximately 1.0	-40° to 180° (-40° to 80°)	Natural	High-Dampening (motorbases only)					
Tensys™ 40	approximately 0.6	180° to 250° (80° to 120°)	EPDM	High Temperature Resistant					
Tensys [™] 50	approximately 3.0	-31° to 195° (-35° to 90°)	Urethane	High Torque					
Note: ■ *Factor in	Note: ■ *Factor in relation to torque & loads shown on standard selection charts.								



ANTI-VIBRATION

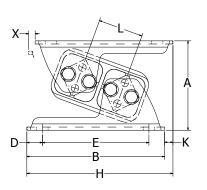
Anti-Vibration Mounts **ESL**

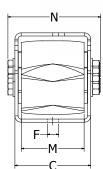


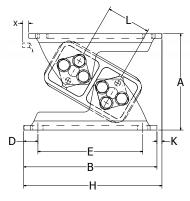
RunRight™ Anti-Vibration Mounts Type ESL

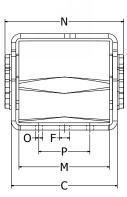
RunRight™ ESL Anti-Vibration mounts are designed for applications requiring the absorption of low and medium frequency vibrations. They are used to absorb tensile, pressure and shear loads. Typically mounted horizontally on the floor, they can also be used for wall and ceiling applications. The ESL are manufactured with cast iron housings, aluminum inner squares and have steel brackets. They are manufactured with standard Tensys™ 10 rubber inserts and can be used for applications operating within a -40° to 180°F (-40° to 80°C) temperature range.











Anti-Vibration Mounts Type ESL															
							Di	mensions	- Inches	(mm)					
UPC # Type	Tyne	G Load Range	Α	Α				E	F	Н	J	К	L	М	N
	турс	lbs (N)	UNLOADED	MAX LOAD		С	D								
68514425214	ESL15	45 to 123 (200 to 550)	2.12 (54)	1.69 (43)	3.34 (85)	1.92 (49)	0.39 (10)	2.55 (65)	0.27 (7)	3.58 (91)	0.07 (2)	0.21 (5.5)	1.00 (25.5)	1.57 (40)	2.30 (58.5)
68514425215	ESL18	100 to 280 (450 to 1,250)	2.55 (65)	2.00 (51)	4.13 (105)	2.36 (60)	0.49 (12.5)	3.14 (80)	0.37 (9.5)	4.37 (111)	0.09 (2.5)	0.21 (5.5)	1.22 (31)	1.96 (50)	2.71 (69)
68514425216	ESL27	157 to 449 (700 to 2,000)	3.46 (88)	2.67 (68)	5.51 (140)	2.79 (71)	0.59 (15)	4.33 (110)	0.45 (11.5)	5.82 (148)	0.11 (3)	0.31 (8)	1.73 (44)	2.36 (60)	3.35 (85.3)
68514425217	ESL38	292 to 854 (1,300 to 3,800)	4.60 (117)	3.58 (91)	6.88 (175)	3.85 (98)	0.68 (17.5)	5.51 (140)	0.55 (14)	7.16 (182)	0.15 (4)	0.27 (7)	2.36 (60)	3.14 (80)	4.60 (117)
68514425218	ESL45	494 to 1,350 (2,200 to 6,000)	5.62 (143)	4.33 (110)	8.66 (220)	4.72 (120)	0.98 (25)	6.69 (170)	0.70 (18)	9.25 (235)	0.19 (5)	0.51 (13)	2.87 (73)	3.93 (100)	5.43 (138)
68514425219	ESL50	899 to 2,472 (4,000 to 11,000)	6.69 (170)	5.43 (138)	9.25 (235)	5.59 (142)	0.98 (25)	7.28 (185)	0.70 (18)	9.60 (244)	0.23 (6)	0.35 (9)	3.07 (78)	4.72 (120)	6.37 (162)
68514483847	ESL50-1.6	1,236 to 3,372 (5,500 to 15,000)	6.69 (170)	5.43 (138)	9.25 (235)	7.32 (186)	0.98 (25)	7.28 (185)	0.70 (18)	9.60 (244)	0.31 (8)	0.35 (9)	3.07 (78)	6.29 (160)	8.11 (206)
68514483848	ESL50-2.0	1,573 to 4,271 (7,000 to 19,000)	6.69 (170)	5.43 (138)	9.25 (235)	8.89 (226)	0.98 (25)	7.28 (185)	0.70 (18)	9.60 (244)	0.31 (8)	0.35 (9)	3.07 (78)	7.87 (200)	9.68 (246)

Notes: ■ The ESL Mounts shown shaded in gray may be "Mixed & Matched" as required to achieve proper loading.

- \blacksquare The maximum load applied to the x-axis cannot exceed 200% of the z-axis capacity.
- The maximum load applied to the y-axis cannot exceed 20% of the z-axis capacity.

■ See page 63 for additional product and performance data.

Anti-Vibration Mounts **ESL** continued



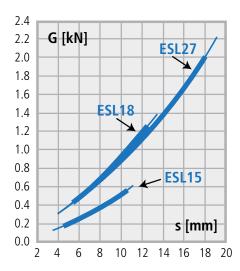
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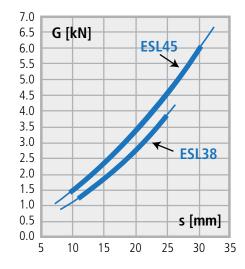
UPC#	Туре	Natural Frequency G Min to G Max (Hz)	O inch (mm)	P inch (mm)	X Max inch (mm)	Materials (Zinc Plated Hardware)			
68514425214	ESL15	8.2 - 5.8	_	_	0.06 (1.5)				
68514425215	ESL18	7.5 - 5.0	_	_	0.075 (1.9)	Aluminum Inner Profiles			
68514425216	ESL27	6.2 - 4.5	_	_	0.11 (2.7)	Cast Iron Housings Steel Brackets			
68514425217	ESL38	5.5 - 4.0	_	_	0.14 (3.6)	Painted Safety Blue			
68514425218	ESL45	5.0 - 3.5	_	_	1.73 (4.4)				
68514425219	ESL50	5.0 - 3.5	0.53 (13.5)	3.54 (90)	0.39 (10)	Aluminum Inner Profiles			
68514483847	ESL50-1.6	5.0 - 3.5	0.53 (13.5)	3.54 (90)	0.39 (10)	Cast Iron Housings Steel Brackets			
68514483848	ESL50-2.0	5.0 - 3.5	0.53 (13.5)	3.54 (90)	0.39 (10)	Painted Safety Blue			

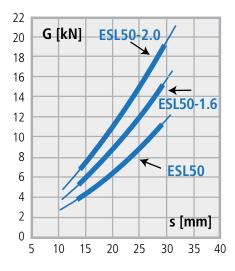
Cold Flow and Deflection Curves

The deflection values shown below indicate the initial cold flow that occurs within a few hours of operation. Final cold flow that occurs after one year is usually the initial deflection value multiplied by 1.09. The deflection values shown in the charts below are not recommended for unit testing. Please see pages 4 through 7 in this catalog for additional information.









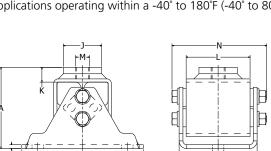
NTI-VIBRATION

Anti-Vibration Mounts

Type V

RunRight[™] Anti-Vibration Mounts Type V

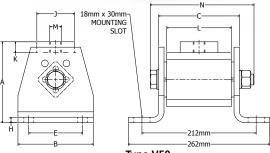
RunRight™ V Anti-Vibration mounts are designed for multi-directional applications requiring the absorption of tensile, pressure and shear loads. Typically mounted horizontally on the floor, they can also be used for wall and ceiling applications. They are manufactured with aluminum housings and inner squares and have steel brackets. They are manufactured with standard Tensys™ 10 rubber inserts and can be used for applications operating within a -40° to 180°F (-40° to 80°C) temperature range.











Type V	5
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		G	Dimensions - Inches (mm)										
UPC #	Туре	Load Range lbs (N)	Α	В	С	E	F	Н	J	К	L	М	N
68514453373	V15	67 to 180 (300 to 800)	1.93 (49)	3.15 (80)	2.01 (51)	2.17 (55)	0.37 (9.5)	0.11 (3)	0.79 (20)	0.39 (10)	1.57 (40)	M10	2.32 (59)
68514457653	V18	135 to 360 (600 to 1,600)	2.6 (66)	3.94 (100)	2.44 (62)	2.95 (75)	0.37 (9.5)	0.14 (3.5)	1.18 (30)	0.51 (13)	1.96 (50)	M10	2.91 (74)
68514457654	V27	292 to 670 (1,300 to 3,000)	3.31 (84)	5.12 (130)	2.87 (73)	3.94 (100)	0.45 (11.5)	0.15 (4)	1.57 (40)	0.57 (14.5)	2.36 (60)	M12	3.35 (85)
68514457655	V38	585 to 1,125 (2,600 to 5,000)	4.13 (105)	6.10 (155)	3.94 (100)	4.72 (120)	0.55 (14)	0.19 (5)	1.77 (45)	0.69 (17.5)	3.14 (80)	M16	4.61 (117)
68514457656	V45	1,000 to 1,800 (4,500 to 8,000)	5.00 (127)	7.48 (190)	4.80 (122)	5.51 (140)	0.70 (18)	0.23 (6)	2.36 (60)	0.87 (22.5)	3.94 (100)	M20	5.63 (143)
68514463661	V50	1,350 to 2,700 (6,000 to 12,000)	5.91 (150)	5.51 (140)	5.91 (150)	3.94 (100)	_	0.39 (10)	2.76 (70)	0.98 (25)	4.72 (120)	M20	7.60 (193)

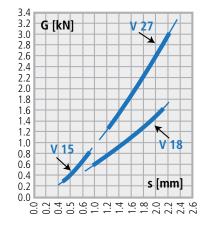
UPC #	Туре	Natural Frequency G Min to G Max (Hz)	Materials (Zinc Plated Hardware)
68514453373	V15	30 - 23	
68514457653	V18	25 - 15	Aluminum Inner Square
68514457654	V27	28 - 20	Steel Brackets
68514457655	V38	14 - 12	Steel Blackets
68514457656	V45	15 - 12	Painted Safety Blue
68514463661	V50	12 - 10	Tainted Salety Blac

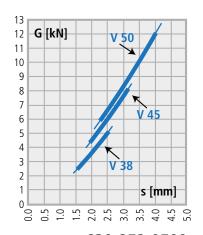
Notes: ■ The maximum load applied to the y-axis, cannot exceed 20% of the x-axis and z-axis capacity. ■ Momentary shock loads of 2.5 g may be applied to the x-axis and z-axis.

Cold Flow and Deflection Curves

The deflection values shown at right indicate the initial cold flow that occurs within a few hours of operation. Final cold flow that occurs after one year is usually the initial deflection value multiplied by 1.09. The deflection values shown in the charts are not recommended for unit testing. Please see pages 4 through 7 in this catalog for additional information.









Lovejoy Product Warranty

Lovejoy, Inc. warrants all products it manufactures to be free from defects in material and workmanship at the time of delivery to the purchaser. Defective products may be returned to Lovejoy after inspection by the purchaser and upon receipt from Lovejoy of shipping instructions specific to the defective products authorized by Lovejoy to be returned. Products returned in accordance with the foregoing procedure will be replaced or repaired, at the option of Lovejoy, without charge and returned to the purchaser F.O.B. Downers Grove, Illinois or South Haven, Michigan, depending upon origin of manufacture. In all cases, transportation costs and charges for returned products shall be paid by the purchaser and Lovejoy hereby disclaims all responsibility for any and all such transportation costs and charges.

This warranty is subject to the following LIMITATIONS:

The purchaser's exclusive remedy under this warranty is limited to the repair or replacement of defective products supplied by Lovejoy, as set forth above. LOVEJOY IS NOT RESPONSIBLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE BREACH OF THIS OR ANY OTHER EXPRESS OR IMPLIED WARRANTY WITH RESPECT TO THE PRODUCTS, WHETHER ARISING IN TORT OR BY CONTRACT. LOVEJOY FURTHER DISCLAIMS ALL LIABILITY FROM PERSONAL INJURY RELATING TO ITS PRODUCTS TO THE EXTENT PERMITTED BY LAW. BY ACCEPTANCE OF ANY OF LOVEJOY'S PRODUCTS, THE PURCHASER ASSUMES ALL LIABILITY FOR THE CONSEQUENCES ARISING FROM THEIR USE OR MISUSE.

This express warranty is the only warranty applicable to this transaction. IT EXCLUDES ALL OTHER EXPRESS ORAL OR WRITTEN WARRANTIES AND ALL WARRANTIES IMPLIED BY LAW WITH RESPECT TO THE PRODUCTS, INCLUDING ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Every claim under this warranty shall be deemed waived by the purchaser unless made in writing within one (1) year of the receipt of the products to which such claim relates. This warranty is void in the event that repairs are made by anyone other than Lovejoy without prior authorization from Lovejoy. No person, firm or corporation is authorized to assume for Lovejoy any other liability in connection with the sale of its products. No person, firm or corporation is authorized to modify or waive the terms of this Warranty unless done in writing and signed by a duly authorized agent of Lovejoy.

Note: Specifications are subject to change without notice, and without liability therefor.

















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