Polymer Technologies Inc.

Engineering Sound Solutions[™]

Elastomeric Solutions Division

Technical Data Sheet Materials Specifications For:

Fail Safe Compression Mount Series: 1754

Can be mounted in both axial and radial direction

Applications

Benefits

Attributes

All attitude

Fail safe design

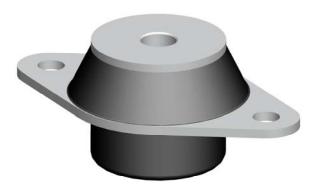
Rugged construction

High fatigue resistance

Lab equipment Business machines Vehicle application Marine engines Power generation Cab mounts

Easy to install

Low cost construction



Load Range

- 1751 = 3 load ratings to 60 lbs.
- 1752 = 3 load ratings to 100 lbs.
- 1753 = 5 load ratings to 220 lbs.
- 1754 = 5 load ratings to 380 lbs.
- 1755 = 5 load ratings to 680 lbs.
- 1756 = 5 load ratings to 1000 lbs.
- 1757 = 5 load ratings to 1780 lbs.

Specifications

- Natural Frequency 8-18 Hertz
- Transmissibility at resonance 10:1
- Resilient Element Neoprene
- Standard materials Cold-rolled steel
- Standard Finish Zinc Phosphate, Black Enamel Paint (BP), Electroless Nickel (EN)
- Weight See dimensional drawings

Elastomeric Data

- Neoprene elastomer has an operating temperature range of -40°F to +200°F (-40°C to +93°C) and is resistant to most solvents, oils and ozone.
- Special elastomer and finishes are available for applications in severe environments. Please note that Silicone elastomer is not compatible with nickel plating.

Specifications subject to change without notice. Check with factory for latest revisions. The Federal Trade Commission considers no existing test methods or standards regarding flammability as accurate indictors of the performance of cellular plastic materials under actual fire conditions. Results of existing test methods, such as UL-94, MVSS-302, SAE J-369, and FAR 25.853 are intended only as measurements of the performance of such materials under specific controlled test conditions. Any flammability ratings shown are not intended to reflect hazards presented by these materials under actual fire conditions. The information contained herein is based on laboratory test data developed for PTI and is believed to be reliable, but its accuracy or completeness is not guaranteed. The buyer must test any product to determine the suitability for h is specific application before use. PTI DISCLAIMS ANY RESPONSIBILITY FOR: 1) WARRANTIES OF FITNESS AND PURPOSE, 2) VERBAL RECOMMENDATIONS, 3) CONSEQUENTIAL DAMAGES FROM USE AND 4) VIOLATION OF ANY PATENTS OF TRADEMARKS HELD BY OTHERS.

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Part #	Nominal Axial Load (lbs.)	Max. Axial Load (lbs.)	Axial Stiffness at .10" Deflection (lbs./in.)	Radial Static Load Nominal	Radial Static Load Max.	Radial Stiffness at .10" Deflection (lbs./in.)	Transmissibility	Free Height (max. in.)	Resilient Materials	Structural Materials	Finish	Core Style	Center Hole	Flange Hole	Color Code
1754-30	180	270	1800	90	180	900	10:1	2.00	Neoprene	Steel	Zinc	Thru Hole	.531	.406	Red
1754-40	220	330	2200	110	220	1100	10:1	2.00	Neoprene	Steel	Zinc	Thru Hole	.531	.406	Orange
1754-50	260	390	2600	130	260	1300	10:1	2.00	Neoprene	Steel	Zinc	Thru Hole	.531	.406	Yellow
1754-60	320	480	3200	160	320	1600	10:1	2.00	Neoprene	Steel	Zinc	Thru Hole	.531	.406	Green
1754-70	380	570	3800	190	380	1900	10:1	2.00	Neoprene	Steel	Zinc	Thru Hole	.531	.406	Blue
1754-30BP	180	270	1800	90	180	900	10:1	2.00	Neoprene	Steel	Black Paint	Thru Hole	.531	.406	Red
1754-40BP	220	330	2200	110	220	1100	10:1	2.00	Neoprene	Steel	Black Paint	Thru Hole	.531	.406	Orange
1754-50BP	260	390	2600	130	260	1300	10:1	2.00	Neoprene	Steel	Black Paint	Thru Hole	.531	.406	Yellow
1754-60BP	320	480	3200	160	320	1600	10:1	2.00	Neoprene	Steel	Black Paint	Thru Hole	.531	.406	Green
1754-70BP	380	570	3800	190	380	1900	10:1	2.00	Neoprene	Steel	Black Paint	Thru Hole	.531	.406	Blue
1754-30EN	180	270	1800	90	180	900	10:1	2.00	Neoprene	Steel	Electroless Nickel	Thru Hole	.531	.406	Red
1754-40EN	220	330	2200	110	220	1100	10:1	2.00	Neoprene	Steel	Electroless Nickel	Thru Hole	.531	.406	Orange
1754-50EN	260	390	2600	130	260	1300	10:1	2.00	Neoprene	Steel	Electroless Nickel	Thru Hole	.531	.406	Yellow
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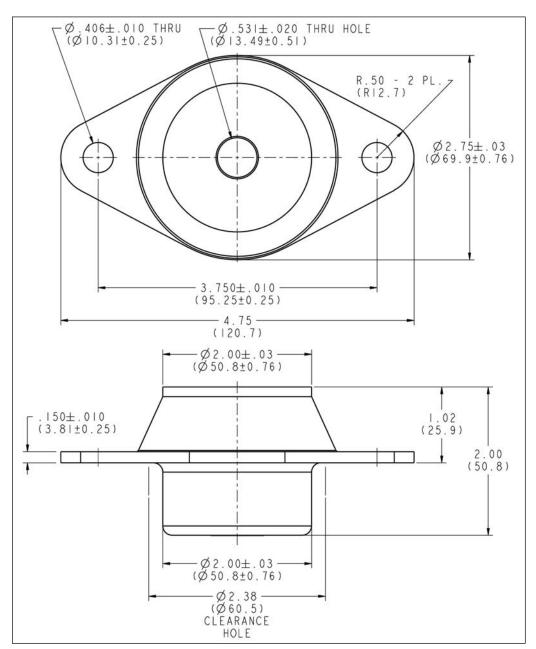
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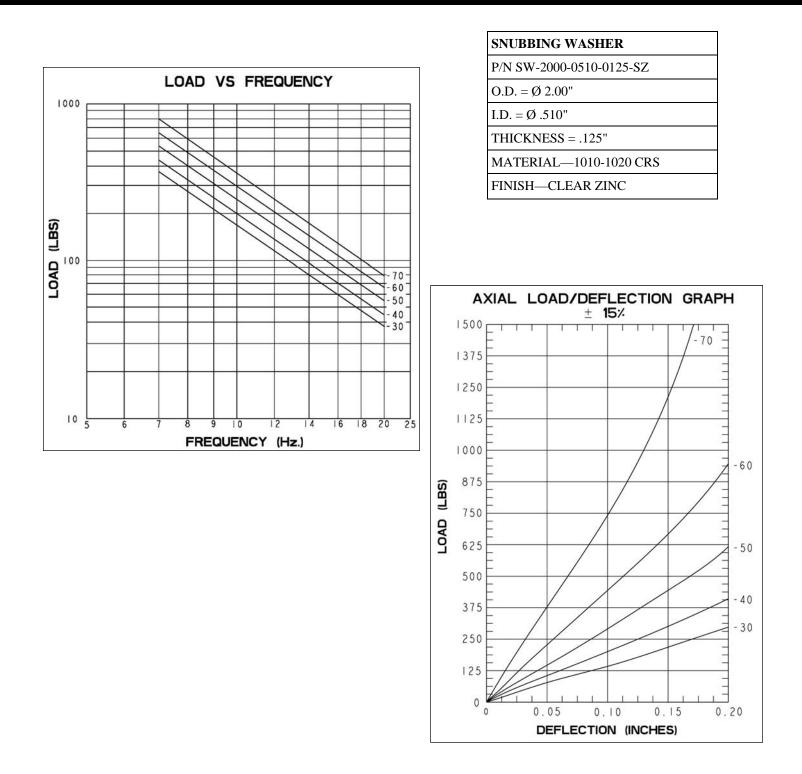
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