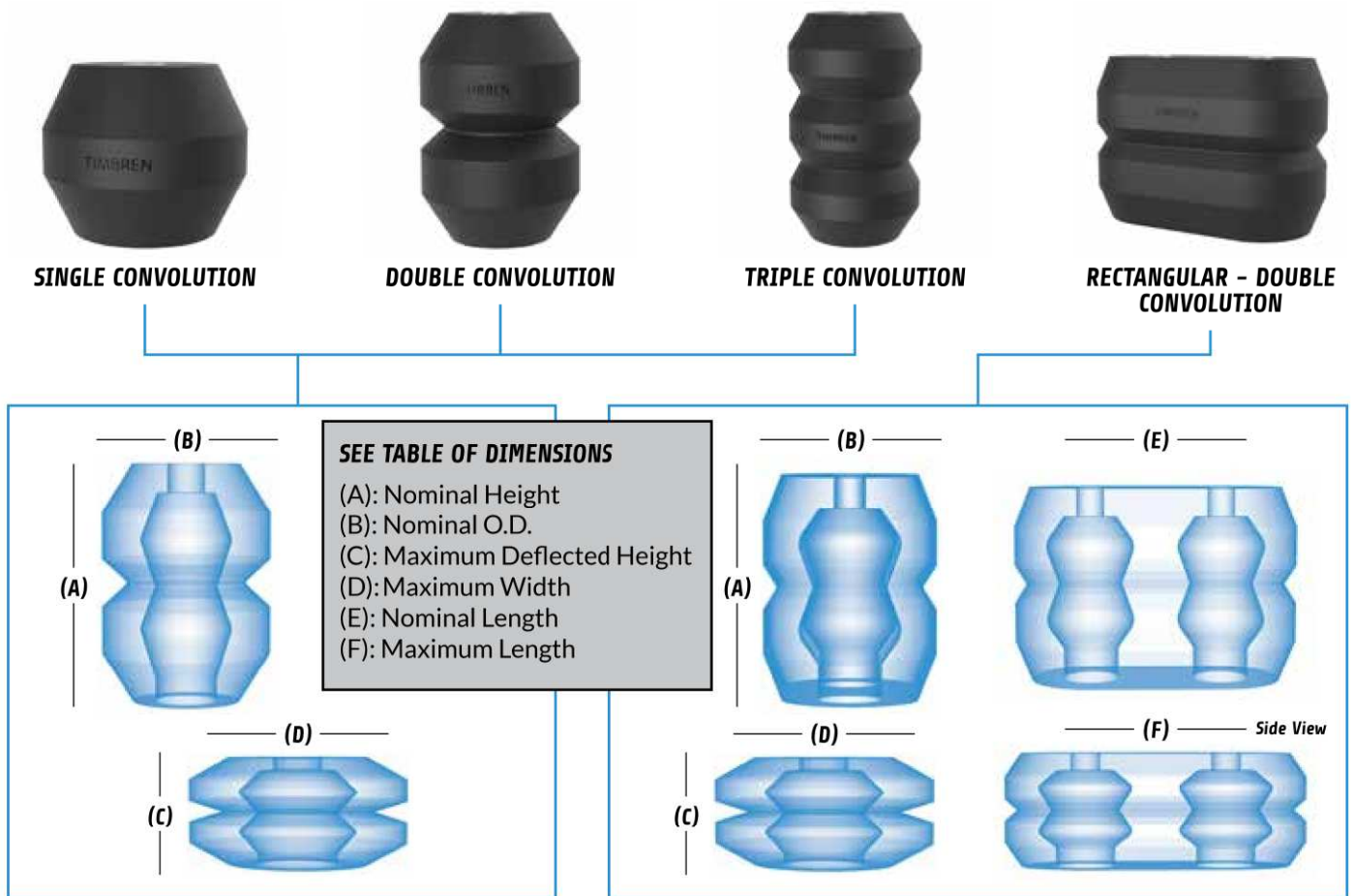


AEON® HOLLOW RUBBER SPRINGS - TABLE OF DIMENSIONS

AEON Type	Nominal Rated Capacity Lbs.	Bump Load Capacity Lbs.	(A) Nominal Height Inches	(B) Nominal O.D. Inches	(C) Maximum Deflected Height Inches	(A)-(C) Maximum Deflection Inches	(D) Maximum Diameter Inches	Cup	Shipping Weight Lbs.-oz.	
SINGLE CONVOLUTION										
A140-65	500	900	1-7/8	2-5/16	1-3/16	0-11/16	3-1/2	A16060	0-5	
A140-75	600	1200	1-7/8	2-5/16	1-3/16	0-11/16	3-1/4	A16060	0-5	
A155-45	150	225	2-1/8	2-1/8	0-7/8	1-1/4	3-1/8	A16060	0-3	
A155-65	300	660	2-1/8	2-1/8	0-7/8	1-1/4	3-1/8	A16060	0-3	
A170-55	500	2,800	2-3/4	3-3/8	1-1/8	1-5/8	5	A1602B	0-12	
A170-75	900	5,000	2-3/4	3-3/8	1-1/8	1-5/8	4-7/8	A1602B	0-12	
A180-65	2,000	6,500	2-3/8	2-7/8	0-15/16	1-7/16	3-3/8	A1602B	0-11	
A180-75	7,000	10,000	2-3/8	2-7/8	0-15/16	1-7/16	3-3/8	A1602B	0-11	
A103B-55	2,500	4,000	3-9/16	4-1/4	1-11/16	1-7/8	6	A16010	1-8	
A103B-65	3,500	4,500	3-9/16	4-1/4	1-11/16	1-7/8	6	A16010	1-8	
A103B-75	4,000	6,500	3-9/16	4-1/4	1-11/16	1-7/8	6	A16010	1-8	
A1525-45	3,000	4,000	4-3/4	5-9/16	2-1/4	2-1/2	8-1/4	A16040	3-5	
A1525-55	3,500	4,500	4-3/4	5-9/16	2-1/4	2-1/2	8-1/4	A16040	3-5	
A1525-65	5,000	6,500	4-3/4	5-9/16	2-1/4	2-1/2	7-5/8	A16040	3-5	
A1525-75	7,500	10,000	4-3/4	5-9/16	2-1/4	2-1/2	7-1/2	A16040	3-5	
A1550-65	10,000	15,000	5-1/2	7	2-1/4	3-1/4	8-1/2	N/A	6-8	
DOUBLE CONVOLUTION										
A515-55	1,000	2,400	3-3/4	3-3/8	1-1/2	2-1/4	4-7/8	A1602B	0-13	
A515-65	1,500	4,000	3-3/4	3-3/8	1-1/2	2-1/4	4-7/8	A1602B	0-13	
A520-65	1,000	3,500	3-15/16	2-3/8	1-5/8	2-5/16	3-1/2	A16060	0-8	
A520-75	1,200	4,400	3-15/16	2-3/8	1-5/8	2-5/16	3-1/2	A16060	0-8	
A525-55	1,250	2,750	3	2-3/8	1-1/4	1-3/4	3-1/2	A16060	0-7	
A525-65	1,750	4,750	3	2-3/8	1-1/4	1-3/4	3-1/2	A16060	0-7	
A525-75	2,800	7,500	3	2-3/8	1-1/4	1-3/4	3-1/2	A16060	0-8	
A530-45	700	1,200	4-3/4	3-3/8	2	2-3/4	5-1/8	A1602B	1-3	
A530-55	1,000	2,800	4-3/4	3-3/8	2	2-3/4	5	A1602B	1-3	
A530-65	1,500	3,000	4-3/4	3-3/8	2	2-3/4	4-5/8	A1602B	1-3	
A535-55	1,800	3,500	5-1/8	3-15/16	2	3-1/8	6-1/4	A1602A	1-13	
A535-65	3,000	6,500	5-1/8	3-15/16	2	3-1/8	6-1/4	A1602A	1-13	
A540-55	2,800	5,000	5-3/16	4-5/16	2-3/16	3	6-3/4	A16010	2-3	
A540-65	4,300	9,000	5-3/16	4-5/16	2-3/16	3	6-3/4	A16010	2-3	
A540-75	6,000	12,000	5-3/16	4-5/16	2-3/16	3	6-3/8	A16010	2-3	
A545-55	2,800	5,000	4-1/2	4	1-3/4	2-3/4	6	A16010	1-10	
A545-65	4,300	9,000	4-1/2	4	1-3/4	2-3/4	5-3/4	A16010	1-10	
A545-75	6,000	12,000	4-1/2	4	2	2-1/2	5-1/2	A16010	1-11	
A550-55	1,500	5,000	3-3/4	3-3/4	1-3/8	2-3/8	5-7/8	A1602A	1-2	
A550-65	3,000	11,500	3-3/4	3-3/4	1-3/8	2-3/8	5-7/8	A1602A	1-2	
A550-75	4,000	13,500	3-3/4	3-3/4	1-3/8	2-3/8	5-7/8	A1602A	1-2	
A560-55	5,000	9,000	7-1/4	5-5/16	2-15/16	4-7/16	8-7/8	A1604A	4-15	
A560-65	8,000	22,500	7-1/4	5-5/16	2-15/16	4-7/16	8-7/8	A1604A	4-15	
A560-75	10,000	30,000	7-1/4	5-5/16	2-15/16	4-7/16	8-7/8	A1604A	4-15	
A570-55	6,500	17,000	9-1/2	6-1/2	3-13/16	5-11/16	10-3/4	C10004-S	11-0	
A570-65	10,000	30,000	9-1/2	6-1/2	3-13/16	5-11/16	10-3/4	C10004-S	11-0	
A590-65	15,000	50,000	9-1/2	7-1/2	3-13/16	5-11/16	10	N/A	15-8	
A720-55	600	1,600	4-5/8	2-5/8	1-7/8	2-3/4	4	A1602B	0-11	
A720-65	650	1,800	4-5/8	2-5/8	1-7/8	2-3/4	4	A1602B	0-11	
A720-75	800	2,600	4-5/8	2-5/8	1-7/8	2-3/4	4	A1602B	0-11	
TRIPLE CONVOLUTION										
A740-75	5,000	12,500	7-3/8	4-5/16	3	4-3/8	6-7/8	A16010	3-2	
A760-65	8,500	11,000	9-1/2	5-5/16	4-1/4	5	7-7/8	A16030	6-7	
A760-75	11,000	15,500	9-1/2	5-5/16	4-1/4	5	7-7/8	A16030	6-7	
RECTANGULAR - DOUBLE CONVOLUTION										
A0100-55	3,500	6,500	4-5/8	2-5/8	2-1/8	2-1/2	3-1/4	5	6-1/2	1-15
A0100-65	5,500	7,000	4-5/8	2-5/8	2-1/4	2-3/8	3-1/4	5	6-1/2	1-15
A0100-75	6,000	8,000	4-5/8	2-5/8	2-1/4	2-3/8	3-1/4	5	6-1/2	1-15
A0200-55	4,000	9,000	5-1/8	3-15/16	2-1/16	3-1/16	7-1/4	7-1/2	10-1/2	3-13
A0200-65	7,500	20,000	5-1/8	3-15/16	2-1/16	3-1/16	7	7-1/2	10-1/2	3-13
A0200-75	8,000	22,000	5-1/8	3-15/16	2-1/16	3-1/16	6-7/8	7-1/2	10-1/2	3-13
A0260-55	9,000	16,500	6-15/16	4-7/16	2-15/16	4	8	10-3/16	14-1/2	9-8
A0260-65	14,000	38,000	6-15/16	4-7/16	2-15/16	4	7-7/8	10-3/16	14-1/4	9-8
A0260-75	20,000	55,000	6-15/16	4-7/16	2-15/16	4	7-7/8	10-3/16	14	9-8
A0300-65	32,000	90,000	7-1/4	5-15/16	3	4-1/4	10	11-11/16	16-1/4	13-9
A0300-75	45,000	110,000	7-1/4	5-15/16	3	4-1/4	9-3/4	11-11/16	16	13-9
A0325-65	50,000	125,000	7-7/16	7-7/16	3	4-7/16	12-1/4	13-3/16	18-3/8	21-0

REV: 02/10/21

AEON® HOLLOW RUBBER SPRINGS - HOW TO READ THE TABLE OF DIMENSIONS

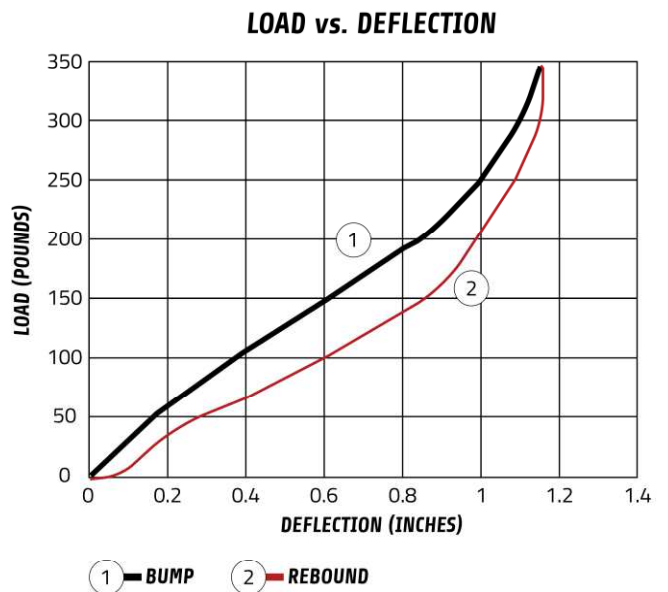


AEON® HOLLOW RUBBER SPRINGS - LOAD DEFLECTION CURVES

Aeon® Hollow Rubber springs are available in a wide range of sizes and capacities and are successfully used in numerous custom applications.

Individuals requiring additional technical support in the choosing of Aeon® springs are encouraged to contact Timbren Customer Service Team: 1-800-263-3113.

Load/ Deflection Curves are available upon request.



AEON® HOLLOW RUBBER SPRINGS - TECHNICAL INFORMATION

For over 50 years, Aeon® hollow rubber springs are used throughout the world as a sole suspension, an auxiliary spring and a vibration isolator.

As a Sole Suspension

Among the many unique characteristics inherent in an Aeon® hollow rubber spring, there are two properties that enable them to provide high performance per unit weight when used as a sole suspension: 1) Variable spring rate, 2) Self-damping. This is why rubber spring suspensions can withstand severe loads – at maximum capacity – without bottoming out.

Manufacturers of agricultural equipment specify Aeon® hollow rubber springs. They know that Aeon® springs greatly reduce shock transmitted to the frame. Aeon® springs are also used on military, mining and forestry vehicles.

As an Auxiliary Suspension

Aeon® hollow rubber springs come in several different shapes, sizes and durometers. Timbren is able to provide over 400 upgrade kits for most makes and models – everything from smaller pickups and SUVs all the way up to Class 8 vehicles.

Single-convolution Aeon® springs have a relatively short deflection curve. They work well in small spaces, and applications that require a more aggressive spring rate. Double-convolution Aeon® springs that have a longer deflection curve provide increased shock absorption.

As a Vibration Isolator

Aeon® hollow rubber springs are used to reduce vibration and absorb shock on more than automotive applications. Sometimes all that is required is noise deduction. Most applications require shock absorption and/or vibration reduction to reduce the wear and tear on high-impact machinery.

AEON® HOLLOW RUBBER SPRINGS - VARIABLES THAT AFFECT AEON® RUBBER SPRING PERFORMANCE

Aeon® hollow rubber springs can be altered by many outside factors such as: spring mounting, support design, spring support surface friction, frequency and operating temperature.

The friction co-efficient of the spring support member plays a significant role. In other words, a support surface with a friction co-efficient similar to sandpaper will greatly enhance performance compared to a wet, slippery surface.

Rubber springs take a “set” after a few cycles to maximum deflection. This can alter the unloaded height by approximately 5%. All Aeon® deflection curves are based on springs cycled to induce spring set.

SES *SUSPENSION ENHANCEMENT SYSTEMS*

POWDER COATED STEEL

Precision cut & powder coated steel for superior protection.

BOLT-ON DESIGN

Pre-drilled holes to make your install quick & easy.



PROGRESSIVE RUBBER SPRING

You carry a lot of different loads. Our progressive spring rate is there for you each & every time.

PRECISE DUROMETER

The perfect mixture of strength & stability to keep your loads level no matter what you haul.

LIFETIME WARRANTY

We stand behind the products we build, so we've got your back for as long as you own the vehicle.

TIMBREN

**TIMBREN INDUSTRIES INC.
320 Hopkins St.
Whitby, ON. Canada
L1N 2B9**

**905-444-9004
1-800-263-3113**

**sales@timbren.com
www.Timbren.com
www.Timbren.ca**



@timbren_industries



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