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# AEON RUBBER SPRINGS

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## AEON® 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-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 |
| A570-68 | 14,000 | 50,000 | 9-1/2   | 6-1/2   | 3-13/16 | 5-11/16 | 10-3/4 | C10004-S | 11-0 |
| A590-68 | 19,000 | 60,000 | 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

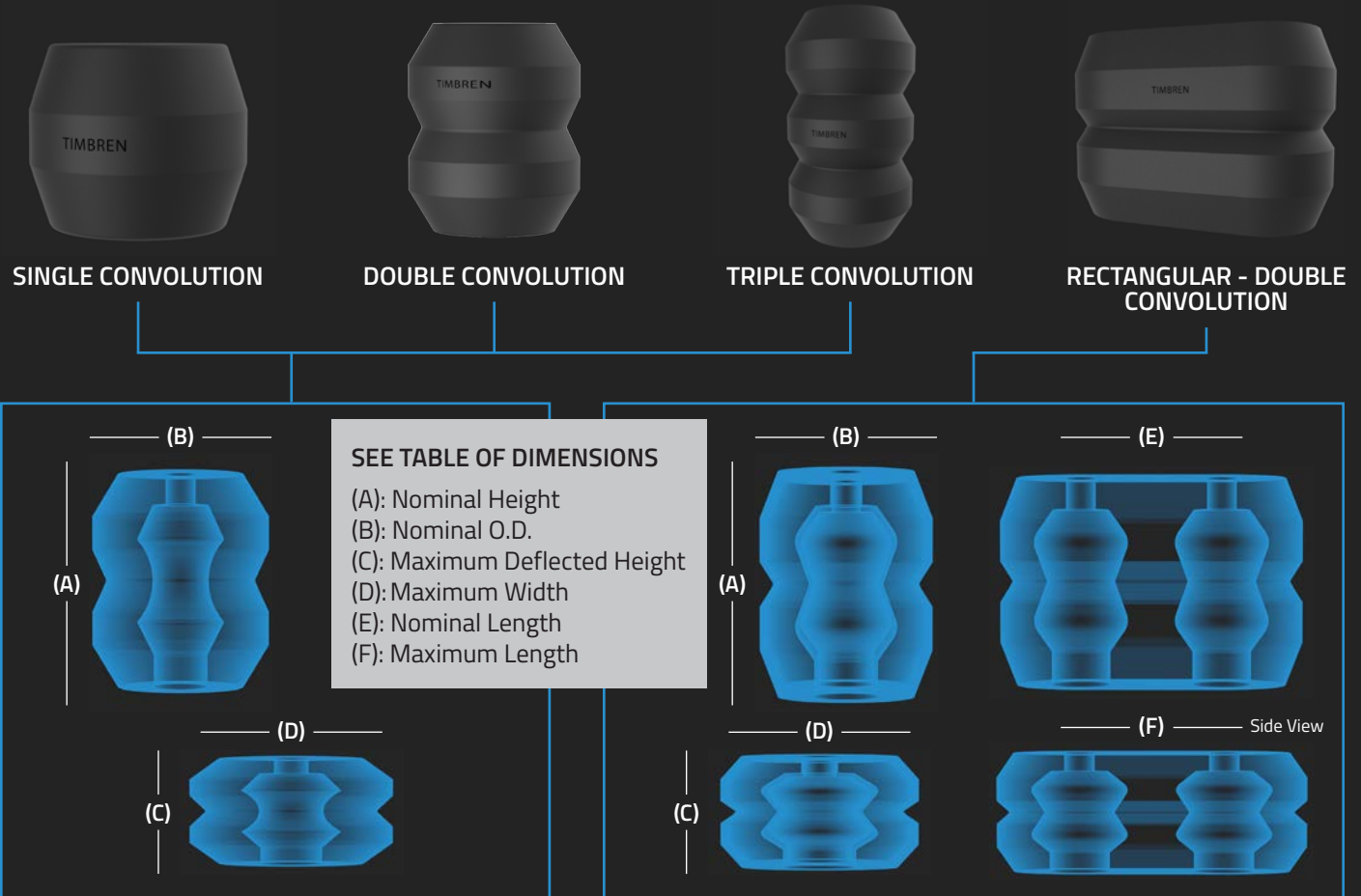
|         |        |        |       |        |       |       |       |        |     |
|---------|--------|--------|-------|--------|-------|-------|-------|--------|-----|
| A740-75 | 5,000  | 12,500 | 7-3/8 | 4-5/16 | 3     | 4-3/8 | 6-7/8 | A16050 | 3-2 |
| A760-65 | 8,500  | 11,000 | 9-1/4 | 5-5/16 | 4-1/4 | 5     | 7-7/8 | A16030 | 6-7 |
| A760-75 | 11,000 | 15,500 | 9-1/4 | 5-5/16 | 4-1/4 | 5     | 7-7/8 | A16030 | 6-7 |

| AEON Type | Nominal Rated Capacity Lbs. | Bump Load Capacity Lbs. | (A) Nominal Height Inches | (B) Nominal Width Inches | (C) Height at Maximum Deflection Inches | (A)-(C) Maximum Deflection Inches | (D) Maximum Width Inches | (E) Nominal Length Inches | (F) Maximum Length Inches | Shipping Weight Lbs.-oz. |
|-----------|-----------------------------|-------------------------|---------------------------|--------------------------|-----------------------------------------|-----------------------------------|--------------------------|---------------------------|---------------------------|--------------------------|
|-----------|-----------------------------|-------------------------|---------------------------|--------------------------|-----------------------------------------|-----------------------------------|--------------------------|---------------------------|---------------------------|--------------------------|

### 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   | 2-3/4  | 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 |
| A260-55  | 9,000  | 16,500  | 6-15/16 | 4-7/16  | 2-15/16 | 4      | 8      | 10-3/16  | 14-1/2 | 9-8  |
| A260-65  | 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  |
| A260-65  | 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 |

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

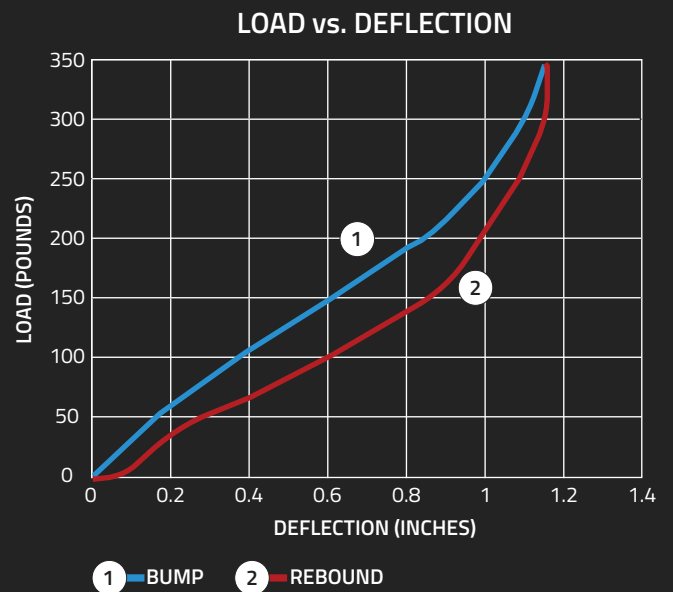


**AEON® RUBBER SPRINGS - LOAD DEFLECTION CURVES**

Aeon® 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® rubber springs are encouraged to contact Timbren Customer Service Team: 1-800-263-3113 or sales@timbren.com

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Built into every Aeon® rubber spring are some unique characteristics:

- **Progressive Spring Rate** - Aeon® rubber springs automatically adjust to the load. In other words, the more the load increases, the more it resists.
- **Self-Damping Properties** - Able to reduce shock and vibration.
- **Vibration Isolation** - Due to its ability to dampen shock and vibration, an Aeon® rubber spring can reduce the transfer of energy.
- **Maintenance Free** - Aeon® rubber springs require no upkeep.

Aeon® rubber springs provide effective, alternative solutions for Automotive, Agriculture, Mining and Military applications.

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