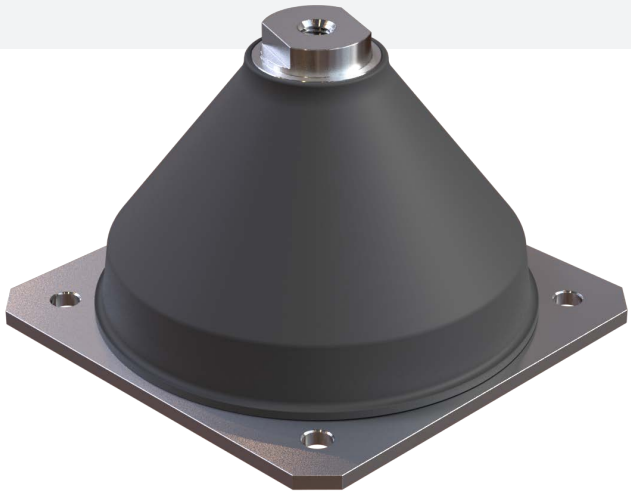
# HAT Element



## PRODUCT DATA

Shocks can be defined as sudden changes in an object's position, velocity, and acceleration for a short period of time. Trelleborg's shock mounts are designed to protect structures and equipment from destructive consequences of the shock wave and vibrations.

### GENERAL

High Deflection Mounts are available in many different sizes and various characteristics. These mounts cover a wide range of applications, from mounting heavy equipment like engines and generator sets to electronic devices and sensitive equipment. By using the same type of element in different stiffness grades, it is possible to get a low natural frequency and still have enough permissive deformation left for protection against shocks. Rubber shock mounts with symmetric constructions have identical characteristics in all horizontal directions as an additional advantage. Our High Deflection Mounts are produced by vulcanizing high-quality natural rubber onto metal parts. The metal parts are standard delivered in galvanized S235, however non-magnetic stainless steel versions, as well as other rubber qualities, are also available.

### APPLICATION EXAMPLES

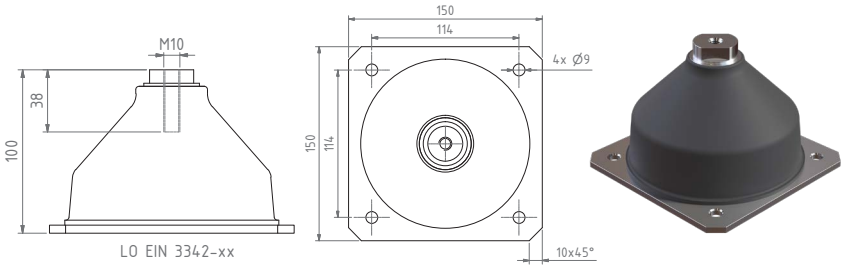
- Switch cabinets
- Electronic equipment
- Small ventilation systems
- Equipment with vibration source

### CHARACTERISTICS

- Optional variations in stainless steel, silicon, CR, and NBR
- Affordable, relatively low pricing
- Good overall vibration isolation
- Good overall sound isolation
- Low plastic deformation when exposed to shock
- Captive design (optional)
- Wide variation of dimensions and load ranges (standard
- & custom-made) available
- Non-magnetic optional
- NATO Stock Numbers (NSN) available

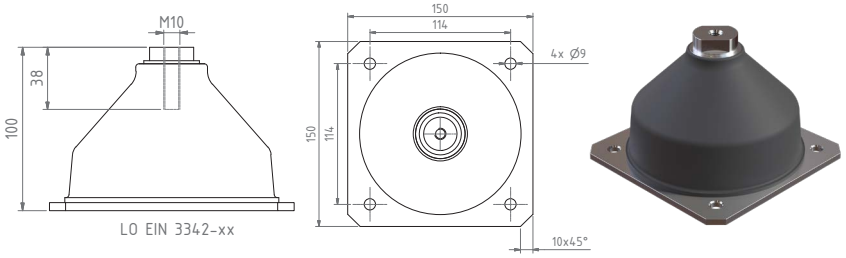
### TYPE LO-E1N-3342

| CLASS | STATIC LOAD (KG) | AVERAGE STIFFNESS (N/mm) | | | PERMISSIVE DEFORMATION (mm) | | |
|---|---|---|---|---|---|---|---|
| | | X | Y | Z | X | Y | Z |
| 005 | 10-20 | 13 | 13 | 16 | 55 | 55 | 55 |
| 01 | 15-30 | 15 | 15 | 25 | 55 | 55 | 55 |
| 02 | 25-55 | 35 | 35 | 40 | 55 | 55 | 55 |



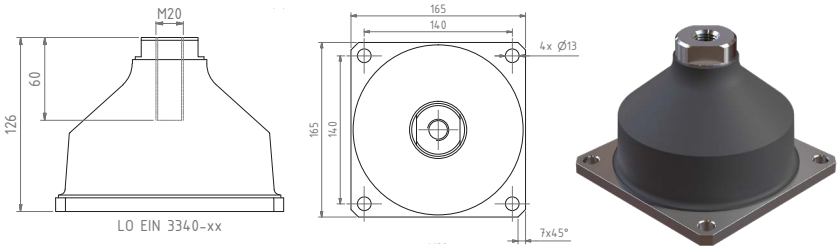

### TYPE LO-E1N-3341/DIN 95365-D

| CLASS | STATIC LOAD (KG) | AVERAGE STIFFNESS (N/mm) | | | PERMISSIVE DEFORMATION (mm) | | |
|---|---|---|---|---|---|---|---|
| | | X | Y | Z | X | Y | Z |
| 01 | 30-60 | 40 | 40 | 65 | 55 | 55 | 55 |
| 02 | 40-80 | 70 | 70 | 90 | 55 | 55 | 55 |
| 03 | 75-150 | 125 | 125 | 165 | 55 | 55 | 55 |




### TYPE LO-E1N-3340/DIN 95365-D

| CLASS | STATIC LOAD (KG) | AVERAGE STIFFNESS (N/mm) | | | PERMISSIVE DEFORMATION (mm) | | |
|---|---|---|---|---|---|---|---|
| | | X | Y | Z | X | Y | Z |
| 005 | 40-80 | 60 | 60 | 115 | 60 | 60 | 60 |
| 01 | 70-130 | 80 | 80 | 145 | 60 | 60 | 60 |
| 02 | 185-350 | 215 | 215 | 380 | 60 | 60 | 60 |
| 03 | 200-400 | 390 | 390 | 450 | 60 | 60 | 60 |



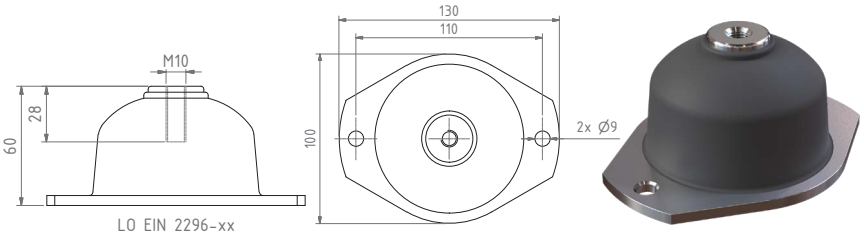



Product images are graphical representations. Actual items may differ in appearance

# HAT Element

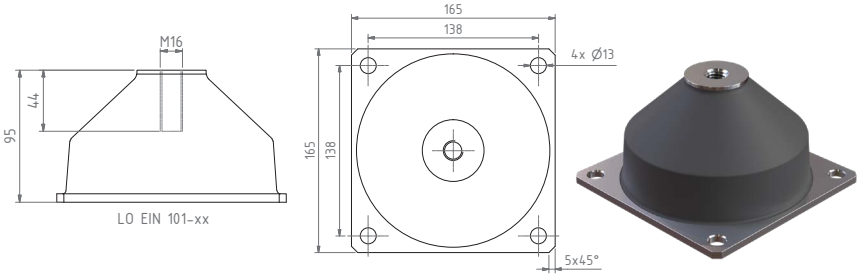
### TYPE LO-E1N-2296/DIN 95365-B

| CLASS | STATIC LOAD (KG) | AVERAGE STIFFNESS (N/MM) | | | PERMISSIVE DEFORMATION (mm) | | |
|---|---|---|---|---|---|---|---|
| | | X | Y | Z | X | Y | Z |
| S01 | 15-30 | 21 | 21 | 30 | 18 | 18 | 18 |
| S02 | 20-40 | 28 | 28 | 40 | 18 | 18 | 18 |
| S03 | 30-60 | 42 | 42 | 60 | 18 | 18 | 18 |
| 21 | 35-75 | 49 | 49 | 70 | 25 | 25 | 25 |
| 01 | 40-80 | 56 | 56 | 80 | 25 | 25 | 25 |
| 22 | 50-100 | 70 | 70 | 100 | 25 | 25 | 25 |
| 02 | 65-140 | 91 | 91 | 130 | 25 | 25 | 25 |
| 23 | 80-170 | 84 | 84 | 160 | 25 | 25 | 25 |
| 03 | 110-220 | 147 | 147 | 210 | 25 | 25 | 25 |



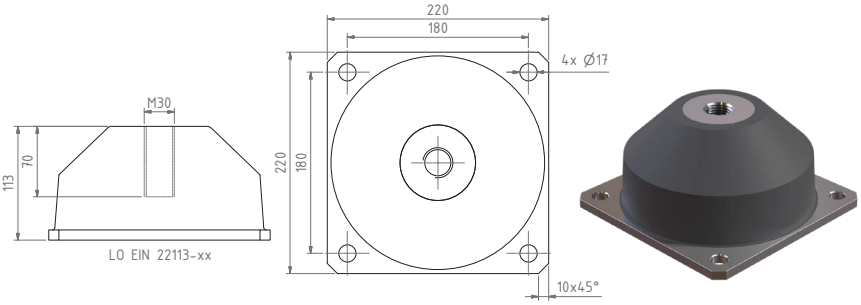

### TYPE LO-E1N-101/DIN 95365-C

| CLASS | STATIC LOAD (KG) | AVERAGE STIFFNESS (N/mm) | | | PERMISSIVE DEFORMATION (mm) | | |
|---|---|---|---|---|---|---|---|
| | | X | Y | Z | X | Y | Z |
| 01 | 30-70 | 70 | 70 | 70 | 40 | 40 | 38 |
| 02 | 55-120 | 120 | 120 | 120 | 40 | 40 | 38 |
| 03 | 75-150 | 150 | 150 | 150 | 40 | 40 | 38 |
| 04 | 110-220 | 210 | 210 | 210 | 40 | 40 | 38 |
| 05 | 150-320 | 310 | 310 | 310 | 40 | 40 | 38 |
| 06 | 230-500 | 470 | 470 | 470 | 40 | 40 | 38 |




### TYPE LO-E1N-22113

| CLASS | STATIC LOAD (KG) | AVERAGE STIFFNESS (N/mm) | | | PERMISSIVE DEFORMATION (mm) | | |
|---|---|---|---|---|---|---|---|
| | | X | Y | Z | X | Y | Z |
| A | 280-650 | 117 | 117 | 57 | 30 | 30 | 35 |
| B | 600-1100 | 228 | 228 | 114 | 30 | 30 | 35 |
| C | 175-350 | 83 | 83 | 40 | 30 | 30 | 35 |

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