

ACOUSTIC HANGER

Series: A6-H



- Double rotatory rivets allow adjustment of threaded rods.
- Design ensures polymer always works in compression, thus eliminating any risk of damage to the unit.
- Tested to ISO 10846-1 acoustic standard.
- Dual lock holds hanger in place and also hangs ceiling.
- Optimal load: 20kg to 45kg per mount.
- Suited for installation of acoustic ceilings with steel channels.

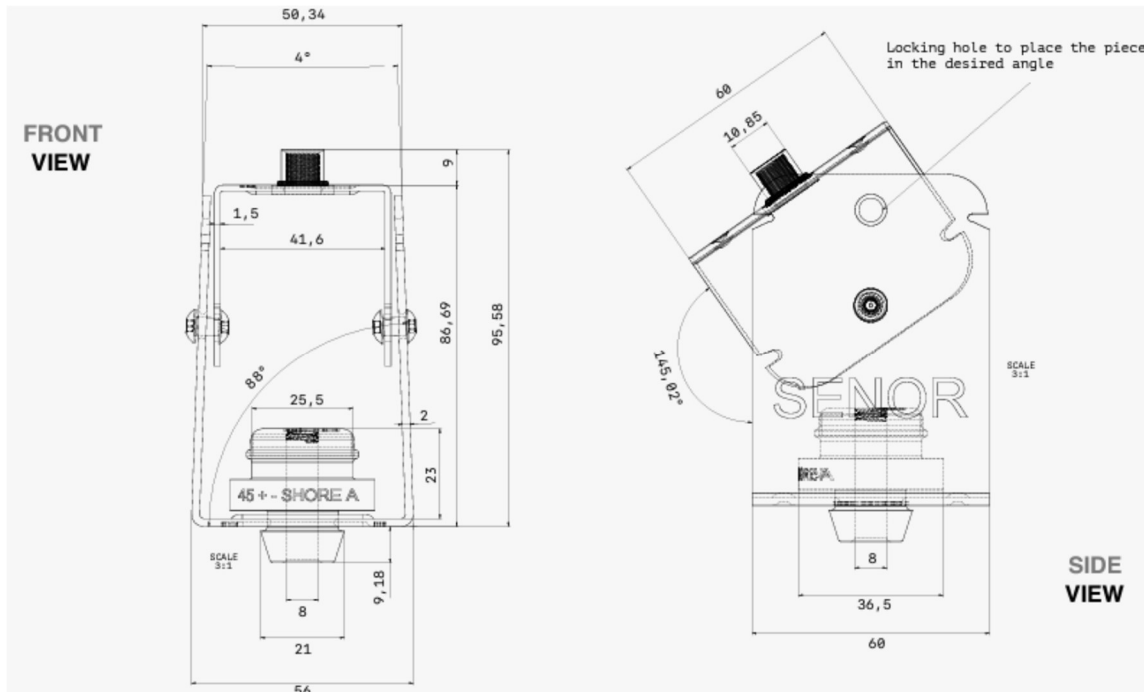
MATERIAL

- Polymer Body: Kraiburg TPE
- Metal structure: Galvanised steel Dx54d + Z140
- Bowl shaped leveller: Galvanised steel Dx54d + Z140

| Part Number | Thread Size | Weight Range per mount (Kg) | Break Test |
|-------------|-------------|-----------------------------|---------------------|
| A6-H 50ACxx | M6 or M8 | 20 ~ 45 | PDF |

Resonance Point: 7-15Hz

Breakpoint: 500.80kg



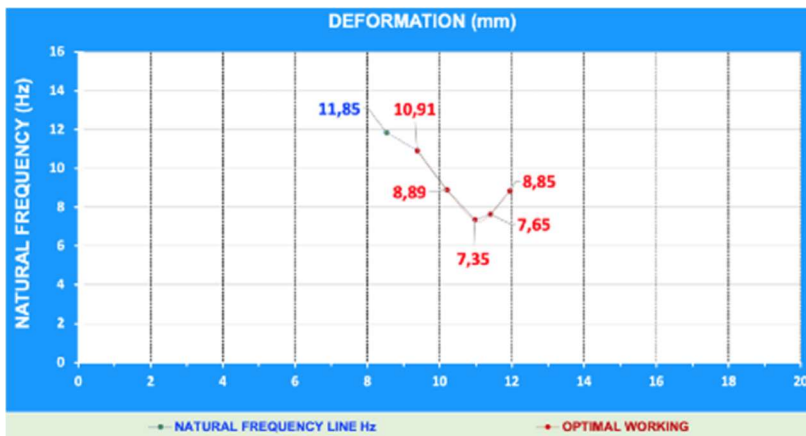
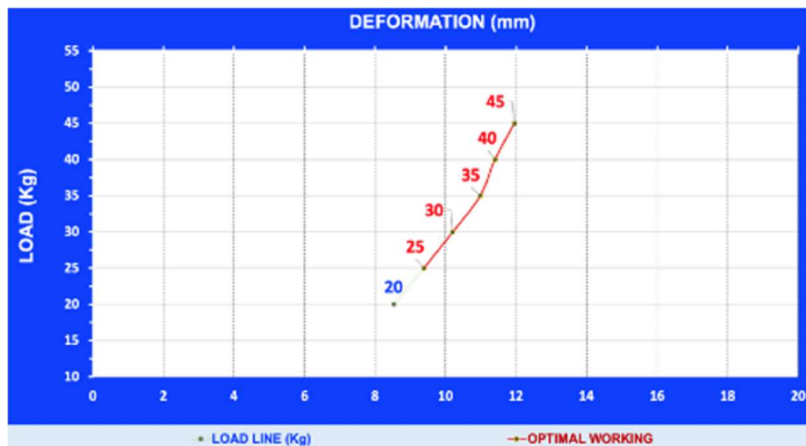
MATERIAL PROPERTIES

| Item | TC5EXN | Test Method |
|------------------------------|------------------------------|-------------------|
| Manufacturer | Kraiburg | - |
| Processing Method | Extrusion/Injection Moulding | - |
| Colour | Blue | - |
| Hardness (Shore A) | 46° | DIN ISO 7619-1 |
| Density (g/cm ³) | 1.176 | DIN EN ISO 1183-1 |
| Tensile Strength (MPa) | 6.3 | DIN 53504/ISO 37 |
| Elongation at break (%) | 825 | DIN 53404/ISO 37 |

Deviating from IDO 37 standard, test piece is tested with a traverse speed of 200mm/mi.
 All values published in this data sheet are rounded average values

TEST RESULTS

| Load (kg) | Deformation (mm) | Resonance Frequency (Hz) | Sweep (Hz) | Soundproofing Level (%) |
|-----------|------------------|--------------------------|------------|-------------------------|
| 25 | 4.02 | 11.56 | 25 50 | 72.80 94.35 |
| 30 | 4.77 | 8.99 | 25 50 | 85.15 96.66 |
| 35 | 5.78 | 7.65 | 25 50 | 89.67 97.65 |
| 40 | 6.97 | 7.75 | 25 50 | 89.37 97.54 |
| 45 | 7.56 | 9.95 | 25 50 | 81.18 95.88 |
| 50 | 8.04 | 10.66 | 25 50 | 77.78 95.24 |



Position [27,129 mm]

▼ -4,126mm ● -7,603mm ▲ -12,652mm

Strength [3,00 kg ... 45,50 kg]

▼ 20,25g ● 30,79g ▲ 45,50g

Speed [0,030 mm/s]

▼ -0,150mm/s ● -0,003mm/s ▲ 0,010mm/s

Frequency [15,00 Hz ... 35,00 Hz]

▼ 15,00Hz ● 25,93Hz ▲ 35,00Hz

Attenuated vibration [Fluctuation of 10,00 mm]

▼ -66,0% ● 85,5% ▲ 94,3%

▼ minimum ● medium ▲ maximum

Natural frequency obtained [According to deformation mm]

▼ 11,85 Hz ● 8,89 Hz ▲ 8,12 Hz

