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NOISE AND VIBRATION
SOLUTIONS



INSTALLATION ADVICES FOR HI-SEC HEIGHT ADJUSTERS



1: PLACE THE MOUNTS IN THEIR POSITIONS



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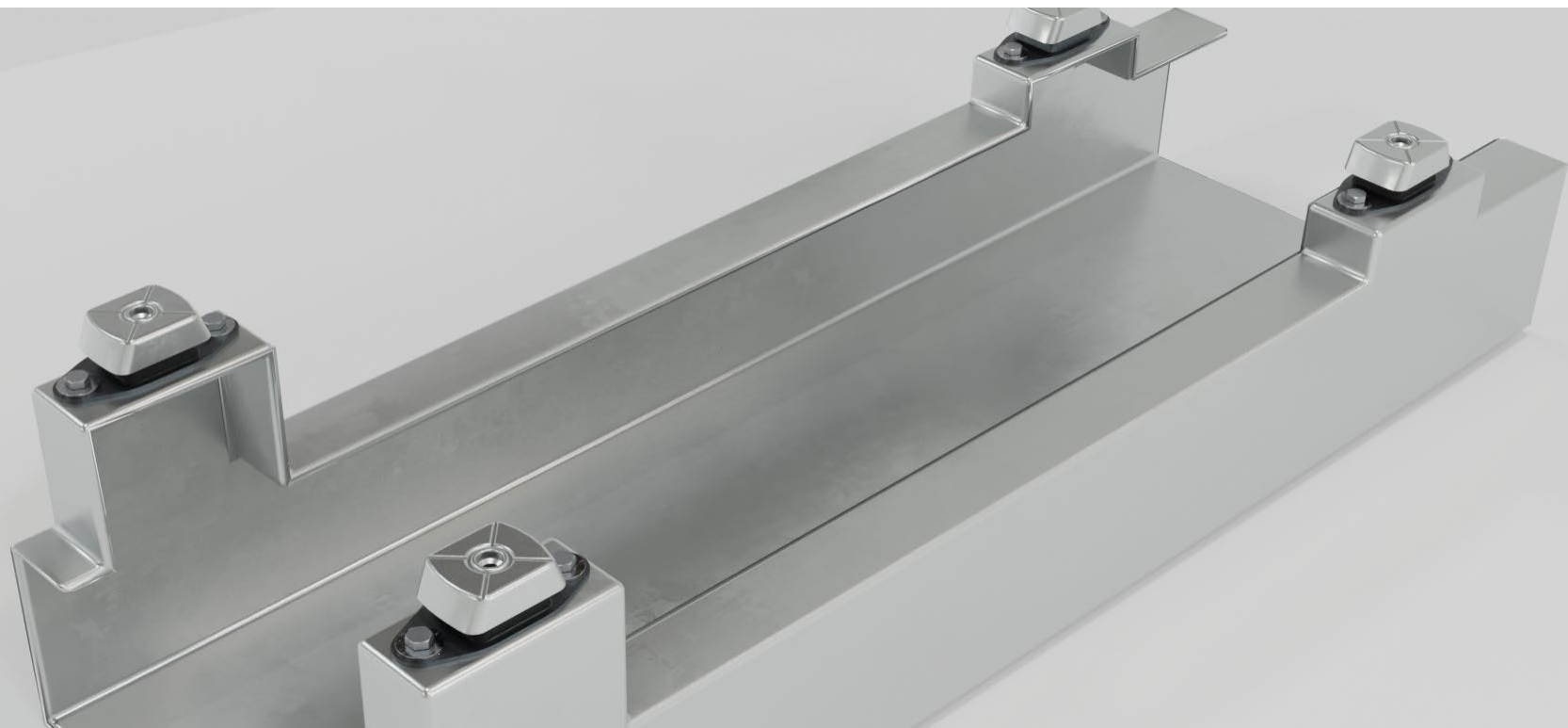
- ❑ Place the anti vibration mounts on the base frame in their position, according to the orientation recommended by the technical department of AMC.
- ❑ Be sure to pay attention to the **orientation of the mounts when placing** them, since not all anti vibration mounts have the same properties in all horizontal directions.
- ❑ The bolts of the baseplate can be introduced but AMC recommends not to tighten them yet, since **small adjustments might be necessary** later for alignment.
- ❑ Fastening the mounts **misaligned** can considerably **increase the stress** on the rubber, making it stiffer and potentially reducing its durability.

1: PLACE THE MOUNTS IN THEIR POSITIONS



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2: PLACE AND FASTEN THE HEIGHT ADJUSTERS

- ❑ Insert the lower threaded part in the mount.
- ❑ Tighten the lower hexagonal nut to the tightening torque defined for each height adjuster depending on its thread size:

Thread size	M8	M10	M12	M16	M20	M24
Max. Tightening Torque (Nm)	16	32	55	125	190	285

- ❑ Hold the stud bolt from milled area to prevent it from rotating while the tightening torque defined for each of the height adjusters is applied to the nut.

2: PLACE AND FASTEN THE HEIGHT ADJUSTERS



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3: PLACE THE SYSTEM ON THE HEIGHT ADJUSTERS



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- ❑ Place the leveling nut of the Hi-Sec height adjuster (do not tighten it) and place the suspended equipment on the height adjusters, so its brackets rest directly on the leveling nuts. Try to keep the alignment between the anti vibration mount and the fixation brackets.
- ❑ The slotted holes help to accommodate the position of the Anti Vibration Mounts to keep the alignment.
- ❑ Let the suspended system rest for a minimum of 48 hours, allowing it to settle on the mounts. Rubber mounts may experience a creeping deflection of up to 25% during this first phase.

3: PLACE THE SYSTEM ON THE HEIGHT ADJUSTERS



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4: ADJUST THE HEIGHT OF THE MOUNTS

- ❑ Once the system has stabilized, make the final adjustments by turning the lower nut. By doing this, the height of the suspended system is adjusted considering the creeping deflection of the mounts.
- ❑ Hold the stud bolt from the milled area to prevent it from rotating while the suspended system is raised.

Ref. No.	708077	708007	708094	708079	708029	708005	708011
Max. Adjustable Height (mm)	5	5	5	10	10	10	10

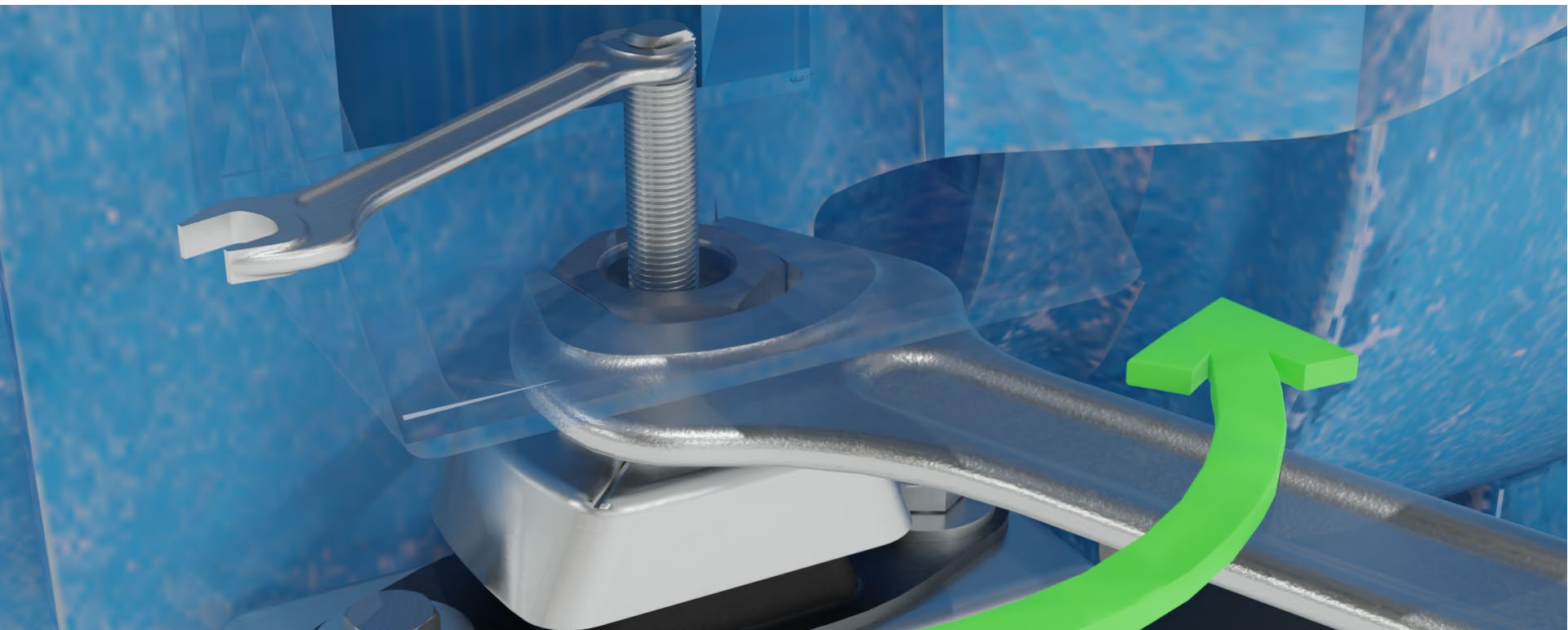
- ❑ Do not exceed the maximum height allowed for each type of height adjusters.

4: ADJUST THE HEIGHT OF THE MOUNTS



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5: SECURE THE SYSTEM TIGHTENING THE TOP NUT

- ❑ Tighten the top fixation nut of the **Hi-Sec height adjusters** to secure the system.
- ❑ Hold the stud bolt from the milled area to prevent it from rotating while the tightening torque defined for each of the height adjusters is applied to the nut. See table below for reference:

Thread size	M16	M20	M24
Max. Tightening Torque (Nm)	150	300	520

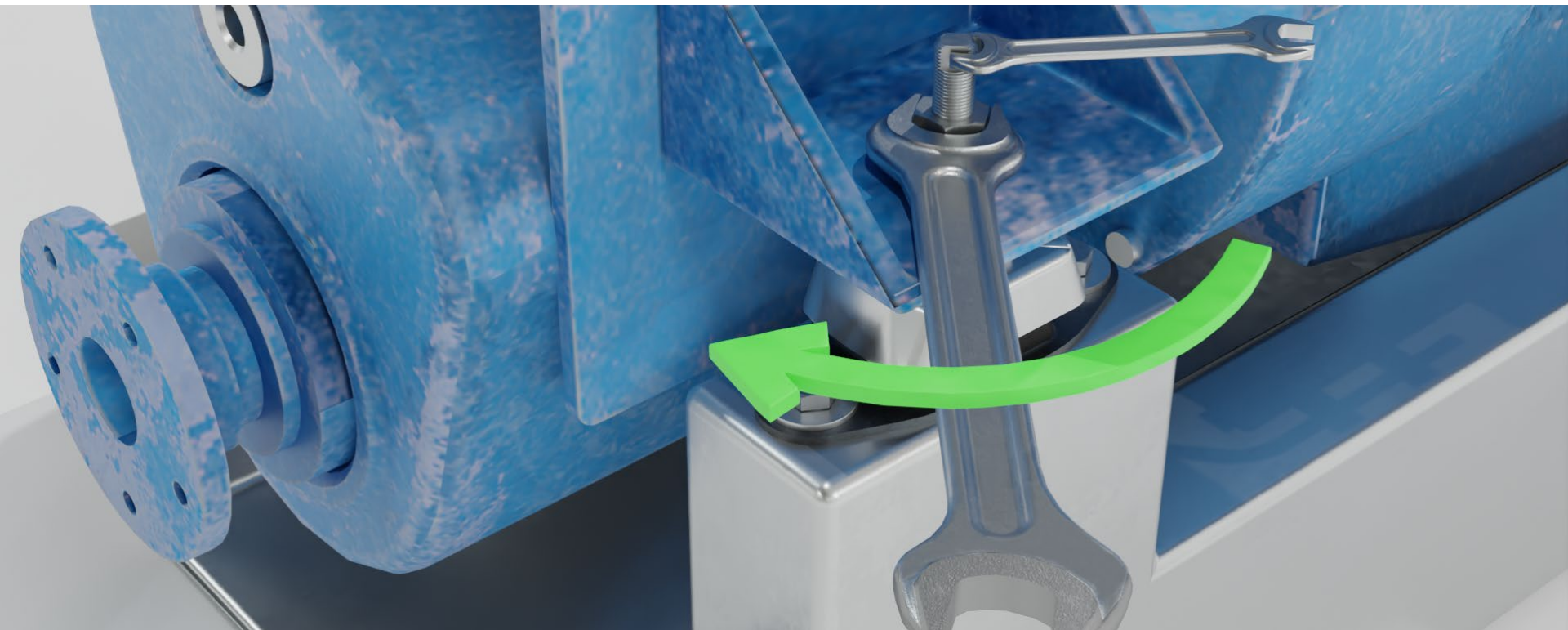
- ❑ Do not exceed the maximum height allowed for each type of height adjusters.

5: SECURE THE SYSTEM TIGHTENING THE TOP NUT



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6: WHEN TO REPLACE THE HEIGHT ADJUSTERS WITH SHIMS



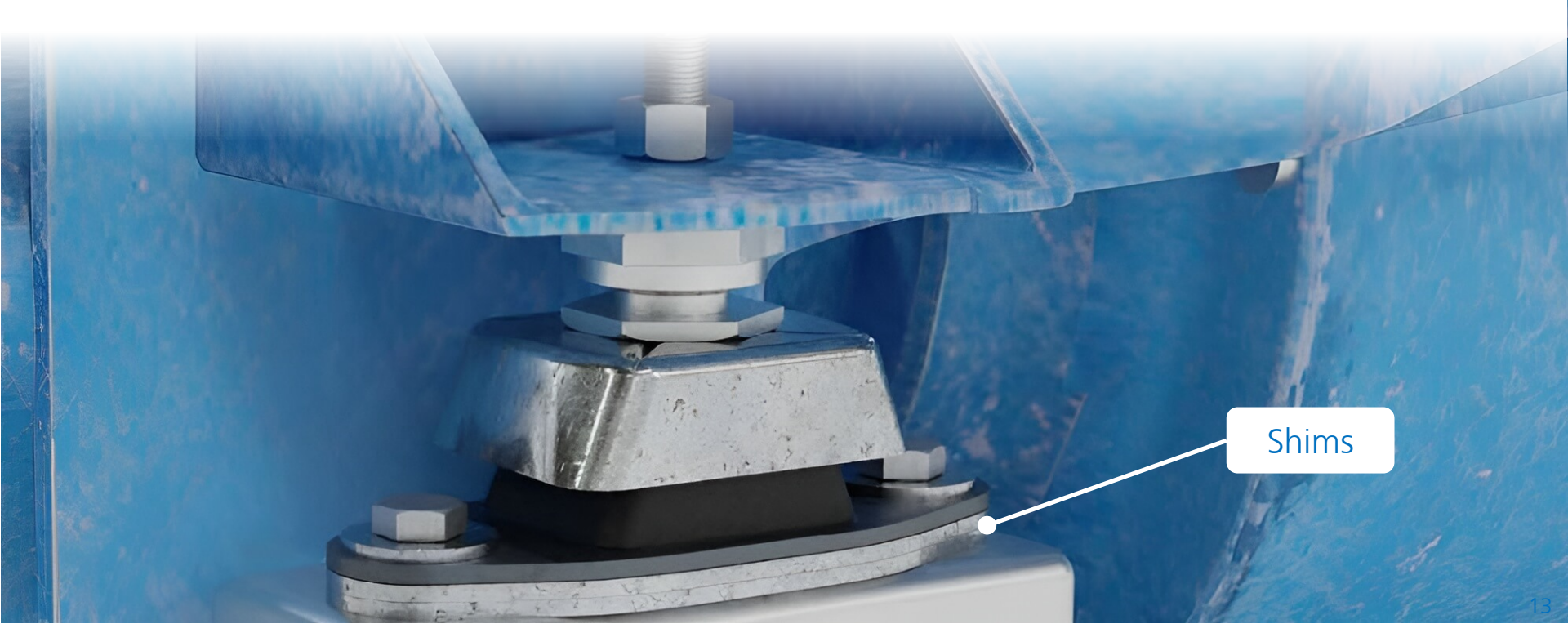
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- ❑ In case of dynamic applications or when there is a longitudinal thrust force on the mounts (for example, the thrust created by the propeller of a vessel), AMC recommends not raising the height adjusters more than 3mm.
- ❑ To obtain the desired height in these cases, AMC recommends to use shims under the anti vibration mount, up to a maximum thickness of 5mm. The shims are available in three different sizes depending on the mount model being used.

6: WHEN TO REPLACE THE HEIGHT ADJUSTERS WITH SHIMS



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Shims



Using advanced technology, AMC MECANOCAUCHO focuses on the reduction of noise and vibration. More than 50 years of experience to solve a wide range of applications and environmental challenges in industrial or building acoustics. Specialised on isolation, attenuation and suspension solutions, we have a reputation for high quality, extraordinary performance and long service life. Our commitment to find the correct polymer technology optimize comfort, health and safety while creating a maximum business value through improved longevity, productivity and cost effectiveness.

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