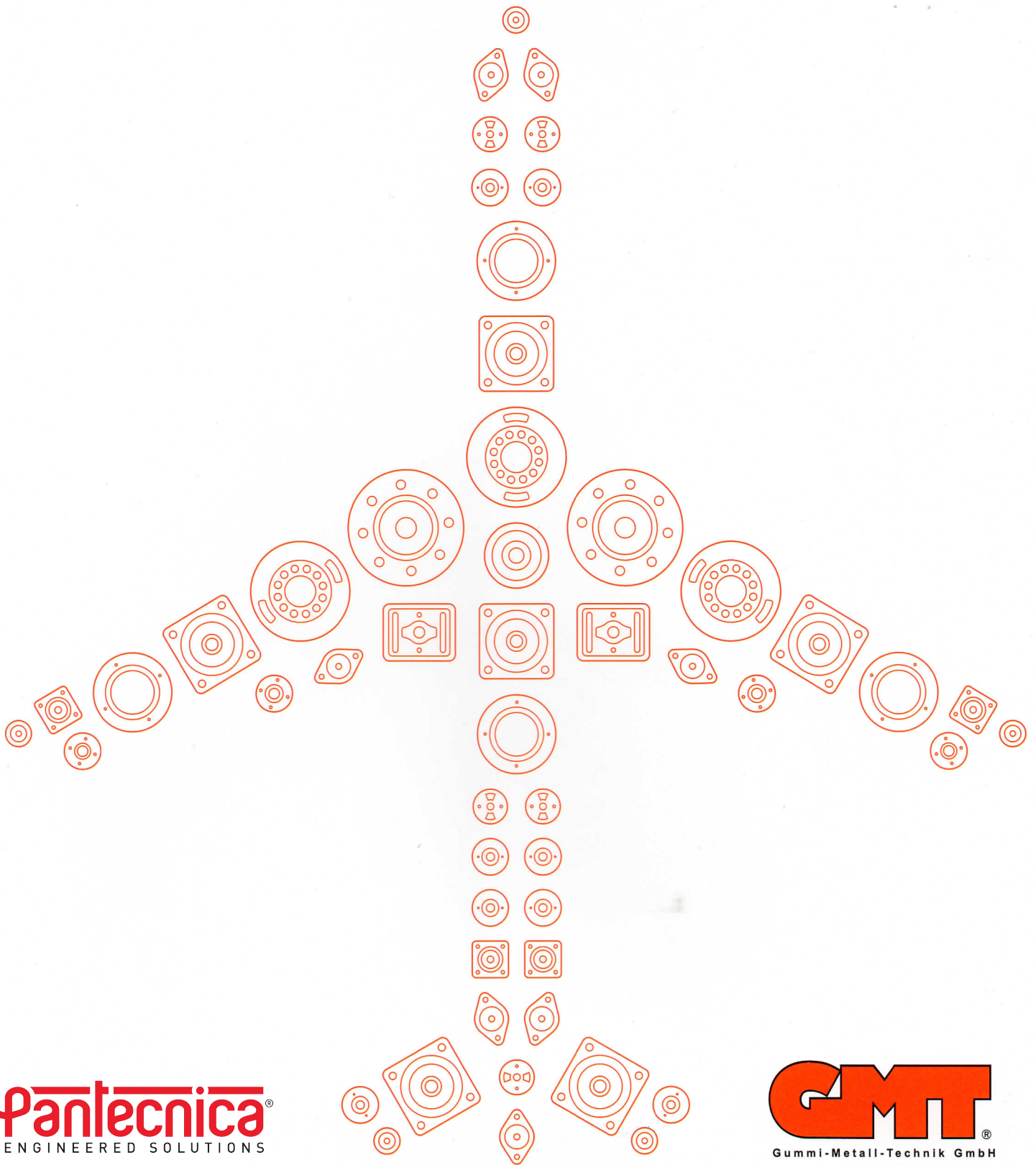
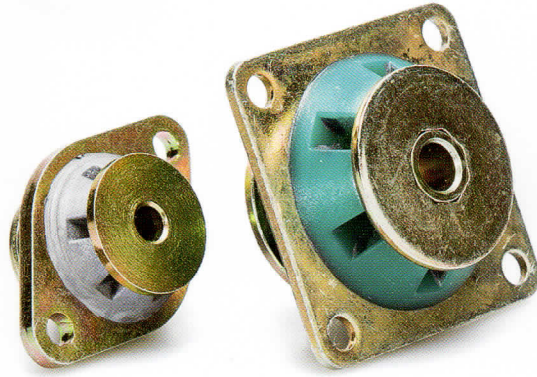


WE DEVELOP SHOCK MOUNTS YOU MAKE IT FLY

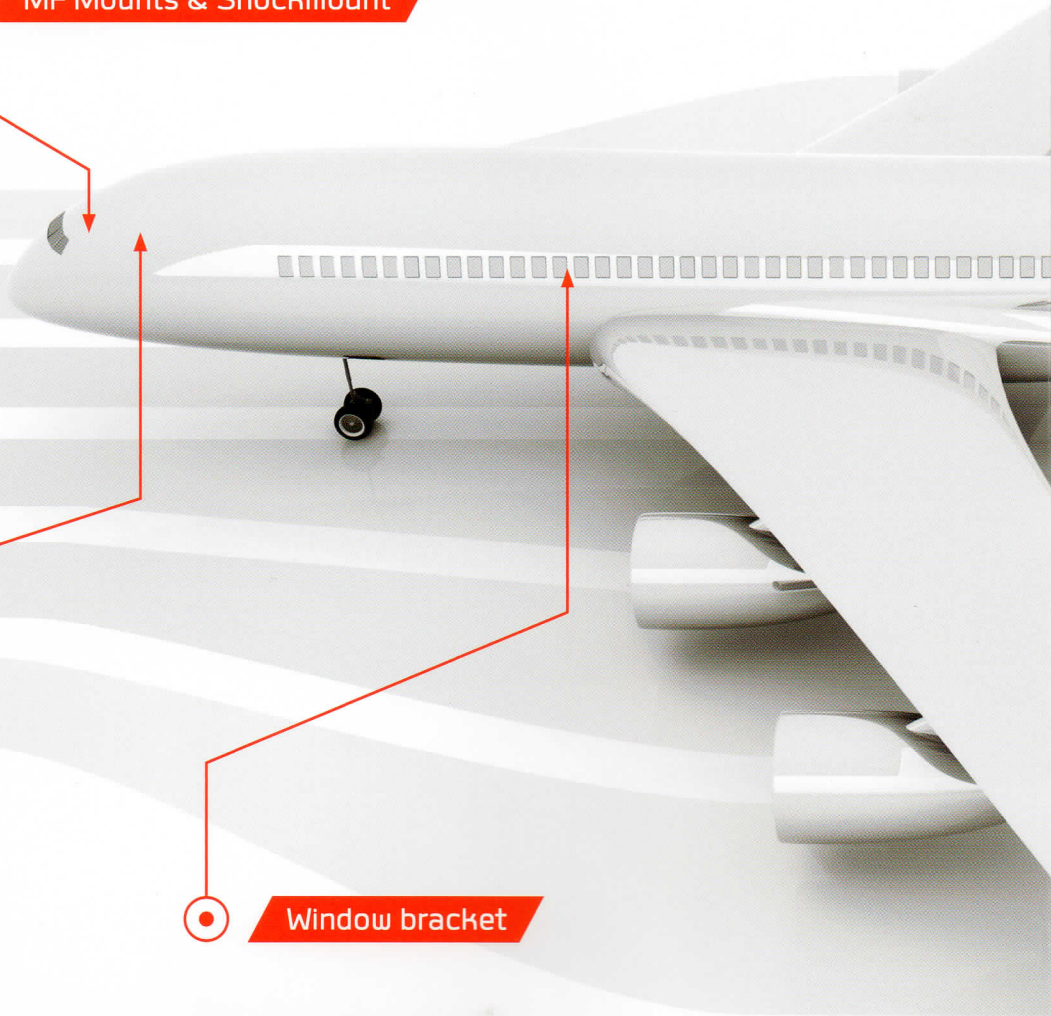


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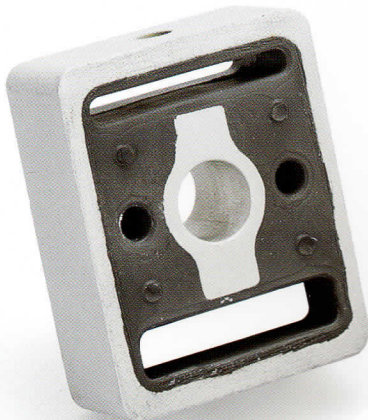
GMT[®]
Gummi-Metall-Technik GmbH



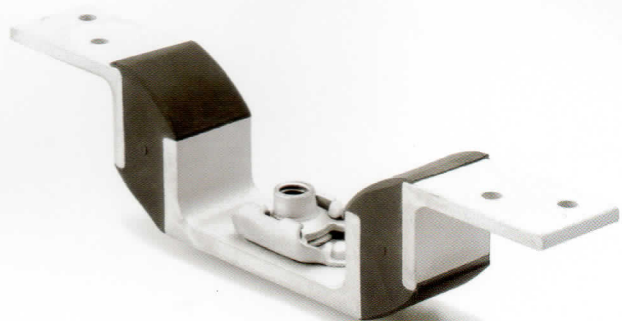
① MF Mounts & Shockmount

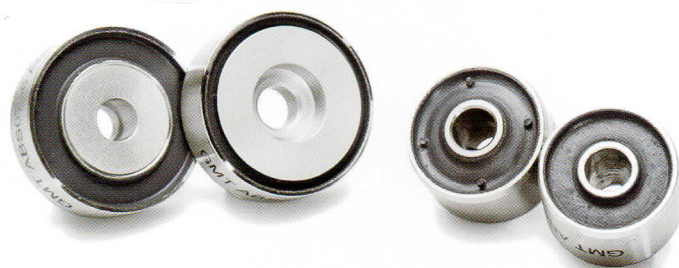


② Shockmount



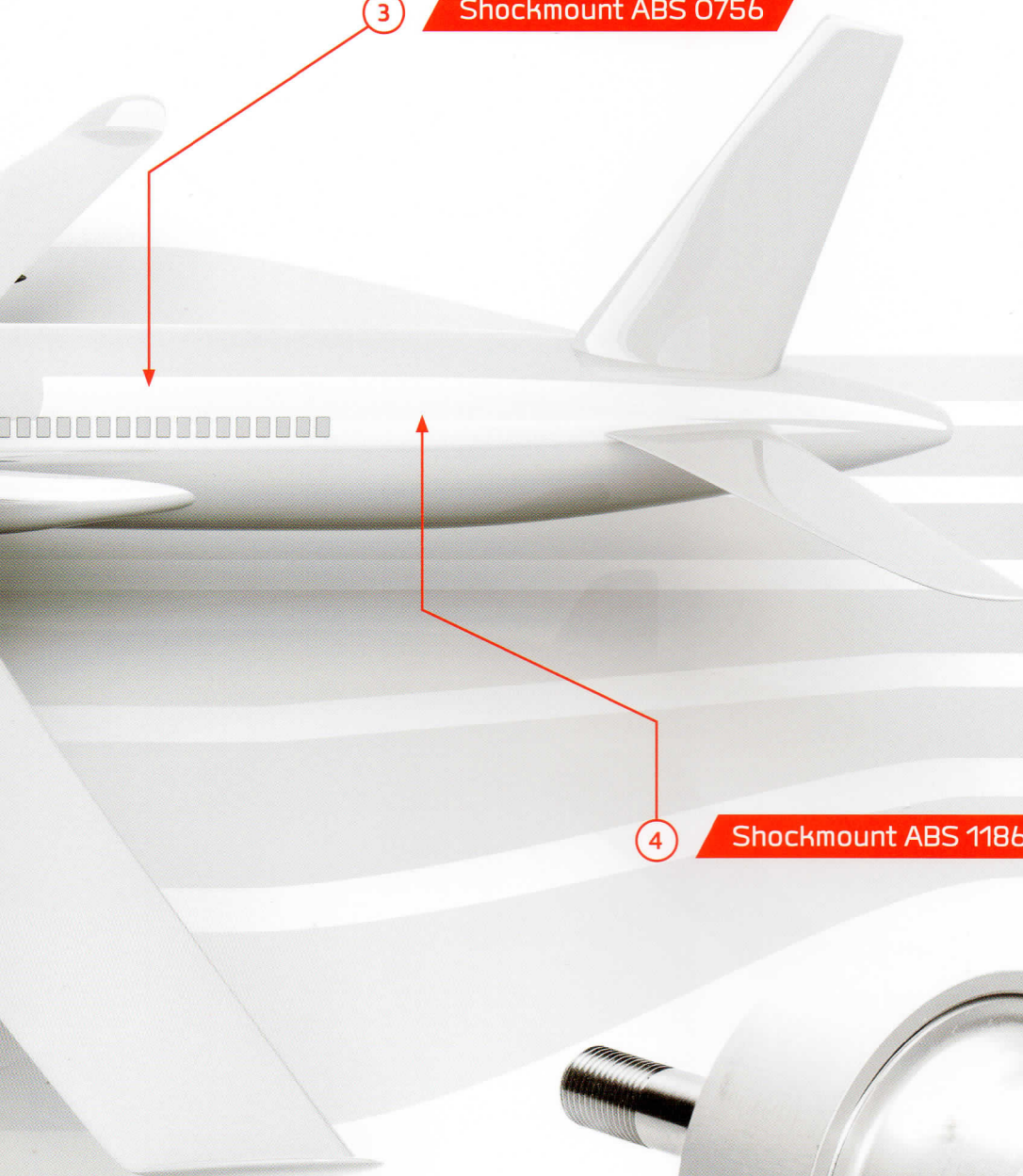
Window bracket





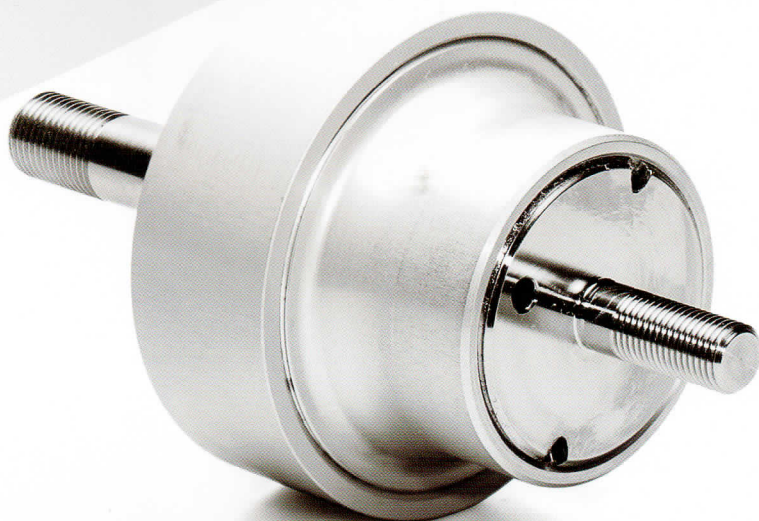
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Shockmount ABS 0756



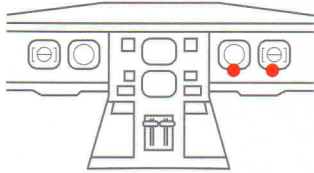
4

Shockmount ABS 1186



Examples of use

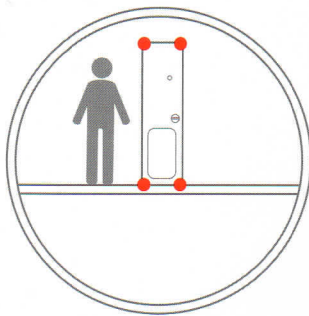
1



Mounting of electrical and mechanical components

With MF shock mounts, all kinds of electrical and mechanical components can be mounted inside the plane, e.g. instruments in the cockpit, the air conditioning unit, electrical components for flight control or pumps and gear drives at the jet engines.

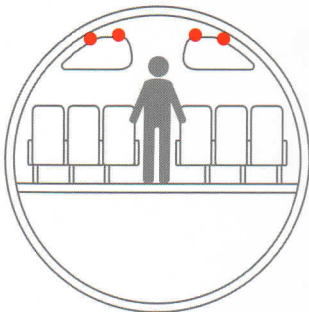
2



Mounting of cockpit door (intrusion protection)

Due to the special geometry and rigidity of these shock mounts we guarantee a protection against intrusion of the cockpit door. The elements absorb the attempted intrusion and thus protect the locking mechanism effectively.

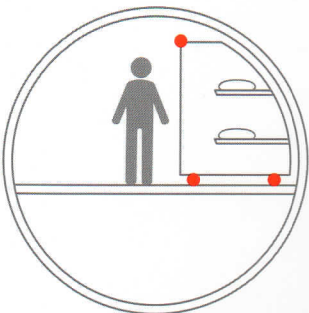
3



Mounting of overhead compartments

The correct mounting of overhead compartments in the plane is of great importance as these hollow parts increase existing vibrations. The overhead compartments are therefore insulated against vibrations with the help of shock mounts.

4



Mounting of components for interior fittings of the cabin

To provide the crew members the opportunity of a restorative sleep in the cabin crew rest compartment, it is necessary to keep the noise inside a plane on the lowest possible level. Rubber metal parts are particularly convenient for this purpose as they strongly reduce the acoustic noise generated by the jet engines as well as flow-generated noise.



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Ideas ahead

GMT is one of the leading manufacturers of vibration isolating components for aviation.

So-called shock mounts are used for vibration isolation and noise reduction. These shock mounts are rubber-metal components for which rubber is permanently bonded with metal or synthetic parts by means of vulcanization.

Use of rubber has the advantage of an excellent structure-borne noise reduction in a medium and high frequency range that aims mainly at the reduction of jet engine noise and flow-generated noise inside the aircraft cabin.

Shock mounts are also applied directly at the origin of the noise (jet engine) where a significant reduction of the development of vibration is achieved by use of a rubber mount.

Due to special requirements concerning temperature, material and aging resistance, rubber formulations like silicone and EPDM compounds (ethylene propylene diene monomer rubber) are predominantly used in aviation.

In addition, the silicone compounds meet the flammability requirements of FAR/JAR/CS 25.853 that are particularly necessary for application inside the cabin.

GMT develops rubber compounds that are customized for the use in aviation. That makes GMT the perfect development partner for the determination and implementation of the ideal solution, whether you plan a new construction or you have existing problems concerning acoustic noise or vibration technology.



Warranty

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