



Premium Seating Solutions

Grammer Inc. presents premium seats for forklift trucks, compact construction machines and professional gardening and landscaping equipment as well as a retrofitting kit for even greater suspension comfort at GIE+Expo 2009

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Hudson, WI / October 29, 2009 — Grammer Inc. will be presenting two premium seats at GIE+Expo 2009 in Louisville, Kentucky on October 29-31, 2009. They feature an innovative concept from Grammer, the international market and technology leader, for forklift trucks, compact construction machines and professional gardening and landscaping equipment that sets new standards of comfort and safety. The MSG75G/531 is the first compact seat of this kind to be equipped with a low-profile air suspension. As an alternative, the MSG65/531 is available with mechanical suspension and quick weight adjustment. This model reaches the lowest seat index point (SIP), at 207 millimeters (8.1 inches), of any seat with full suspension. The MSG75G/531, with a SIP of 229 mm (9.0 inches) and a suspension stroke of 80 mm (3.1 inches), sets a new standard for seats with low-profile air suspension. Both seats feature a high-quality backrest angle adjustment function, a foldable backrest and an integrated safety belt.

Optimized sitting comfort – special features for the US market

The wide, ergonomic cushions of the MSG75G/531 and MSG65/531 optimally support the body. They were specially adapted to the requirements of the US market regarding their width, length and thickness and are manufactured at Grammer Inc. in Hudson, WI. The height- and angle-adjustable armrests and the backrest, which can be set to any angle from -5° to $+30^{\circ}$ m, also ensure healthy and relaxed sitting for hours. The seats provide effective support when driving backward: the backrest is tapered on the right to make it easier for the driver to twist around in the seat. The MSG75G/531 and MSG65/531 are also the world's first low-profile compact seats to be equipped with a lumbar support — easy to set to maximize the user's personal well-

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being. The backrest can also be raised in 13 steps to a maximum of 170 millimeters (6.7 inches) to suit each operator's height and different work situations.

Design for Use: Easy to Achieve the Ergonomically Best Sitting Position

Only a seat that is optimally set to the user's body can deliver a high level of comfort. From field studies of forklift truck and construction machine operators, Grammer discovered that virtually nobody bothers to read their seat's manual. They therefore remain unaware of how many seat functions work, which prevents them from using them correctly. This realization prompted Grammer to take an innovative approach. "Design for Use" is the name that Grammer has given to its philosophy, with which the company has once again impressively demonstrated its industry leadership. The goal: for every operator to quickly and simply assume the ergonomically optimum sitting position. Consequently, the controls of the MSG75G/531 and MSG65/531 are shaped and arranged so that the user intuitively grasps how they work and what they do. It is now also quick and easy to set the seat to any operator weight between 45 and 170 kg (100-375 pounds). Both seats satisfy the stipulations of the international vibration classes IT1, IT2 and IT3 for forklift trucks and EM6, EM8 and EM9 (ISO 7096) for construction machines. The MSG65/531 has a suspension stroke of 60 or 80 millimeters (2.4 or 3.1 inches), and the MSG75G/531 with air suspension offers values of 80 or 110 millimeters (3.1 or 4.3 inches). Both versions set new standards of vibration comfort.

Fore/Aft Isolator for Retrofitting

Even greater sitting comfort is on its way in the compact category: at GIE+Expo 2009 Grammer Inc. presents a fore/aft isolator retrofitting kit for the MSG65/531 and MSG75G/531 to additionally attenuate vibrations and improve sitting comfort. It can be additionally installed to also minimize vibrations in the direction of travel. Grammer is the first manufacturer to offer a suspension system of this kind for compact seats. With a suspension stroke of 60 millimeters, the kit gives the driver

enhanced protection against horizontal vibrations and prevents unpleasant jolts to the back. The fore/aft isolator can also be locked if necessary.

Company Profile

GRAMMER AG is a globally leading developer and manufacturer of innovative components and systems as well as driver and passenger seats for both cars and commercial vehicles. Wherever people are on the go in vehicles, GRAMMER sets the standards for safety, comfort and ergonomics. The **Seating Systems** division provides seats for offroad vehicles, trucks, trains, coaches and buses. GRAMMER Seating Systems is the technology and market leader, supplying seating systems both for OEM installation and for the aftermarket. **Automotive** is the company's largest division, providing headrests, armrests, center consoles and integrated child booster seats to prominent manufacturers of premium cars and systems suppliers to the automotive industry.

As a global player, the GRAMMER Group operates with a strong customer focus. This includes carefully locating development and production facilities close to clients and an international network of competent partners.

In fiscal 2008, the GRAMMER Group had revenues of 1007 million euros with an operating income (EBIT) for the year of 32.0 million euros. GRAMMER is represented in 17 countries worldwide by 23 fully consolidated companies with a total workforce of approximately 7300.