



# OUTSTANDING SITTING COMFORT FOR PRECISION WORKERS.

The PRIMO® Driver Seats for Forklifts  
and Small Construction Machines.



**GRAMMER**

Logistical challenges, changing drivers, long hours with total concentration: this is what characterizes work with forklift trucks and smaller construction machines. GRAMMER driver seats strengthen the backs of forklift operators worldwide, enabling them to focus on doing their jobs well without stress or strain. Riding a continuous wave of research and innovation, GRAMMER ensures sitting comfort with tangible benefits, from the first minute to the last.





## THE PRIMO® MODELS. THE BEST ASSISTANTS FOR FIRST-CLASS WORK.

While developing the Primo models, we never lost sight of the people who would be using them. We wanted them to consistently enjoy ideal support and freedom of movement when driving forward or backward. It's a fact that the operators of forklift trucks and small construction machines face considerable demands. And GRAMMER's Primo product family is based on an innovative seat design that's ideal for mastering these challenges. Every seat is equipped with an extremely low-profile suspension and delivers outstanding comfort despite its compact dimensions, while also being very easy to adjust.

The Primo seats also provide good support when driving backward: the asymmetric seatback is tapered on the right to make it easier to twist around. To bolster the sensitive lower back area, every seat also includes a lumbar support as a standard feature.

Featuring a very low Seat Index Point (SIP), the Primo seats occupy very little space and fit well into small cabs. They come with a choice of mechanical or pneumatic quick manual weight adjustment.

All Primo models are also optionally available with fore/aft isolator, document box, and angle-adjustable armrests.

First-class comfort is provided by the Primo Evolution, which in addition to all of the other benefits also boasts active weight adjustment and active climate control.





# PRIMO<sup>®</sup> EVOLUTION

## High-End Premium Seat with Active Seat Climate Control

With its comprehensive range of features and innovative low-frequency suspension, this top-of-the-line product boasts the best sitting and suspension comfort in its class.

Active seat climate control removes body moisture so users never have to languish in a pool of sweat. On cold days or when working inside refrigerated facilities, the integrated seat heating ensures a comfortable temperature. In addition to a pneumatic lumbar support, the Primo Evolution features active adjustment to the operator's weight: a major advantage when vehicles are used by multiple drivers. The seat automatically responds to even the slightest difference in weight to ensure that vibrations are optimally attenuated.

**Suitable for large forklift trucks and  
small to mid-sized construction machines**



### Key Features

(For details, consult the foldout)



Pneumatic  
Suspension



Low-  
Frequency  
Suspension



Pneumatic  
Lumbar  
Support



Electronic  
Weight  
Adjustment



Active Climate  
System



Pneumatic  
Suspension



Low-  
Frequency  
Suspension



Mechanical  
Lumbar  
Support



Electronic  
Weight  
Adjustment



Passive  
Climate  
System

## PRIMO® EL PLUS

### Premium Seat with Active Weight Adjustment

The low-frequency suspension with travel of 110 mm in the Primo EL Plus delivers outstanding comfort despite the seat's low height. Its premium package of comfort-enhancing features includes active pneumatic weight adjustment, which is very advantageous with frequently changing drivers. The seat automatically sets itself to the operator's weight to maximize vibration attenuation. Integrated heating and a mechanical lumbar support are included as standard features.

**Suitable for large forklift trucks  
and small construction machines**

## PRIMO® XL PLUS

### Comfort Seat with Pneumatic Suspension

The Primo XL Plus excels with its low-profile pneumatic suspension, which ensures comfortable driving. The 110mm suspension travel gently compensates for even the roughest vibrations and jolts. It can be conveniently set to the operator's weight by pressing a button. A narrow yet comfortable upper seat section upholstered in artificial leather makes for fatigue-free work.

**Suitable for large forklift trucks  
and small construction machines**



Pneumatic  
Suspension



Mechanical  
Lumbar  
Support



Pneumatic  
Weight  
Adjustment



# PRIMO® XXL

## Comfort Seat with Pneumatic Suspension

Although this seat's pneumatic suspension has a low-profile, its maximum travel and low-frequency technology actively protect the user. It's also very easy to set both the suspension and the extra-high backrest with mechanical lumbar support. The pushbutton weight adjustment feature is especially advantageous in vehicles used by changing drivers.

**Suitable for reach-type forklift trucks and compact construction machines**



Pneumatic Suspension



Low-Frequency Suspension



Mechanical Lumbar Support



Pneumatic Weight Adjustment



# PRIMO® XL

## Comfort Seat with Low-Frequency Pneumatic Suspension

Operable on a 12 or 24V power source, this seat's low-profile, low-frequency suspension ensures good comfort. It can be easily set to the driver's weight (between 45 and 170 kg) simply by pressing a button. The upper seat section, retention system, and lumbar support can also be optimally set to accommodate the user's needs.

**Suitable for forklift trucks and compact construction machines**



Pneumatic Suspension



Low-Frequency Suspension



Mechanical Lumbar Support



Pneumatic Weight Adjustment

# PRIMO® L

## Standard Seat with Pneumatic Suspension

This seat's reduced-travel pneumatic suspension, which runs on a 12 or 24V power source, effectively attenuates vibrations in even the tiniest cabs. It can be optimally set to the operator's weight using an ergonomically placed pushbutton with the aid of an indicator.

**Suitable for forklift trucks and compact construction machines**



Pneumatic Suspension



Mechanical Lumbar Support



Pneumatic Weight Adjustment



# PRIMO® XXM

## Standard Seat with Mechanical Suspension

The Primo XXM has an easy-to-use lever for optimally setting the suspension to the driver's weight within the range between 45 and 170 kg. Especially when a vehicle is used by multiple drivers, it's important for even unpracticed users to be able to quickly and intuitively perform this important setting. The extra-high backrest, in conjunction with a lumbar support, bolsters the back and ensures an even more comfortable ride.

**Suitable for forklift trucks and compact construction machines**



Mechanical Suspension



Mechanical Lumbar Support



Mechanical Weight Adjustment



# PRIMO® XM

## Standard Seat with Mechanical Suspension

This model's low-profile mechanical suspension with 80mm of travel features an easily accessible ratcheting handle for optimal adjustment to the driver's weight. Safe, ergonomic sitting is also ideally enabled by a comfortable, 470-mm-wide seat cushion and mechanical lumbar support.

**Suitable for small forklift trucks and compact construction machines**



Mechanical Suspension



Mechanical Lumbar Support



Mechanical Weight Adjustment

# PRIMO® M

## Standard Seat with Mechanical Suspension

This seat's mechanical suspension with reduced suspension travel of 60mm effectively buffers vibrations in even the smallest cabs. The upper seat section is designed to deliver comfort from the word go. The focus is on the most important adjustments, including a mechanical lumbar support and mechanical weight setting feature.

**Suitable for small forklift trucks**



Mechanical Suspension



Mechanical Lumbar Support



Mechanical Weight Adjustment

# THE FEATURES IN DETAIL

## SUSPENSION COMFORT



### Low-Frequency Suspension

The low-frequency suspension dampens vertical vibrations and jolts, thus preventing the seat from bouncing in critical situations as a result of resonant buildup.



### Pneumatic Suspension

In the models with pneumatic suspension, all you have to do is press a button to adjust it to your weight. It couldn't get more comfortable than that!



### Mechanical Suspension

The seat is precisely adjusted to the driver's weight using a lever.

## Ease of Use and Driving Comfort



### Automatic/Pneumatic/Mechanical Weight Adjustment

Adjusting the seat to the driver's weight ensures relaxed, healthy sitting while doing work. In the seats of the Primo series, this is accomplished either mechanically using a hand-operated lever, pneumatically, or fully automatically in response to input from sensors.



### Pneumatic/Mechanical Lumbar Support

For optimal results, the pneumatic lumbar support quickly and precisely adjusts to the user's back at the press of a button. The mechanical version can be set as needed using a lever.



### Active/Passive Climate System

This system removes body moisture to keep the driver pleasantly dry in hot weather. In the active climate system, this effect is supported by ventilation. In cool or cold conditions, the seat heating ensures a comfortable ride.



# PRODUCT OVERVIEW

## All Features of PRIMO® Driver Seats

Feature	PRIMO® Evolution	PRIMO® EL PLUS	PRIMO® XL PLUS	PRIMO® XXL	PRIMO® XL	PRIMO® L	PRIMO® XXM	PRIMO® XM	PRIMO® M
<b>Article no. with fabric</b>							1293475	1293487	1293486
Compressor 12 V	1292329	1292328		1293476	1293489	1293488			
Compressor 24 V					1293478	1293477			
<b>Article no. for imitation leather</b>							1106231	1091027	1091028
Compressor 12 V			1247727			1104725			
<b>Shock absorber</b>									
Nonadjustable	●	●	●	●	●	●	●	●	●
<b>Suspension</b>									
Pneumatic with compressor	●	●	●	●	●	●			
Mechanical							●	●	●
Low-frequency	●	●		●	●				
<b>Suspension stroke</b>									
110 mm	●	●	●	●	●				
80 mm						●	●	●	
60 mm									●
<b>Weight adjustment 45–170 kg</b>									
Manual (pneumatic)			●	●	●	●			
Manual (mechanical)							●	●	●
Electronic	●	●							
<b>Climate system</b>									
Passive		●							
Active	●								
<b>Fore/aft adjustment 210 mm</b>	●	●	●	●	●	●	●	●	●
<b>Lumbar support</b>									
Pneumatic	●								
Mechanical		●	●	●	●	●	●	●	●
<b>Adjustable backrest angle</b>	●	●	●	●	●	●	●	●	●
<b>Backrest extension</b>	●	○	○		●	○		○	○
<b>Restraint system</b>	●	●	●	●	●	●	●	●	○
<b>Seat width</b>	490 mm	530 mm	480 mm	450 mm	470 mm	470 mm	450 mm	470 mm	470 mm
<b>Seat heating</b>	●	●	○	○	○	○	○	○	○
<b>Adjustable seat cushion depth and angle</b>	●	●							
<b>OPS (operator presence switch)</b>	●	●	●	●	●	●	●	●	○
<b>Optional</b>									
<b>Document box</b>	○	○	○	○	○	○	○	○	○
<b>Adjustable armrest angle</b>	○	○	○	○	○	○	○	○	○
<b>Fore/aft isolator*</b>	○	○	○	○	○	○	○	○	○

\*Fore/aft isolator not specified for construction machines

