



NEW DIMENSIONS OF SITTING COMFORT.

PRIMO

*Premium Seats for Forklift Trucks
and Compact Construction Machines.*

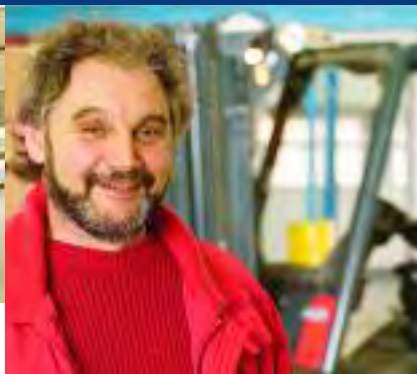
**New! Maximum suspension
comfort with
a low-profile design.**



GRAMMER



THE SITTING CONCEPT FOR FEELING YOUR BEST.



A New Dimension of Comfort with Low-Profile Suspension

The Primo product family from GRAMMER embodies an innovative sitting concept that is unrivalled anywhere in the world. Now, for the first time, there is a seat for forklift trucks and construction machines featuring full low-profile suspension, available in both pneumatic and mechanical versions, the latter including a quick weight adjustment function. The Primo M has the lowest seat index point of any seat with full suspension, at just 200 millimeters. Among low-profile air suspension systems, the Primo XL also sets a new record with a seat index point of 238 mm. They are designed for outstanding comfort while saving space at the same time.

Perfectly Supported in Every Direction

The wide, ergonomic cushions of the Primo and its height- and angle-adjustable armrests optimally support the body. So does the backrest, the angle of which can be varied between +5° and +30°. The Primo also provides firm support when driving backward: the backrest is asymmetrical, tapering on the right-hand side so it's easy to turn around in the seat. For the sensitive lower back, the Primo is the world's first compact low-profile seat to come with a lumbar support. The backrest height can also be adjusted through 13 steps by up to 170 mm to suit every body size and work situation.

Quick Achievement of the Ergonomically Best Sitting Position

Genuine comfort can only be had from a seat that is optimally adjusted to its occupant's body. But what if the driver isn't familiar with all of the seat's functions and therefore doesn't use them properly? GRAMMER has solved this problem with its innovative "Design for Use" concept. All controls are located where the driver can intuitively find them. Each has a different shape to prevent confusion. This lets every user quickly and easily set the seat to suit their personal needs without having to study the manual first.



Voluntary test certificate from the Saarland Standard Technical Inspectorate (TÜV) - customer assessment: good

1 Very Low-Profile Air Suspension

NEW

The innovation from GRAMMER: a pneumatic suspension that incorporates a 12-volt compressor for forklift trucks and compact construction machines. Suspension travel of 110 mm absorbs even the roughest jolts and shakes to ensure a calm, relaxed ride in every work situation. It is exemplary in how it protects the driver by optimally easing stresses and strains on the spine and its disks.



PRIMO XL

2 Quick Weight Adjustment

NEW

Having a pneumatic suspension, the seat is fast and convenient to set to the driver's weight using a switch. The setting can be varied between 45 and 170 kg. Being intuitive to use, this indispensable setting can be made by the driver without instruction – a practical example of the "Design for Use" concept from GRAMMER.

3 **Asymmetrical Backrest**

NEW

The asymmetrical shape of the backrest provides more elbow room on the right-hand side and full back support on the left-hand side of the seat. This makes driving backward a more comfortable experience.



4 **Movable Armrests (optional)**

The armrests can be folded up to any position.

5 **Integrated Restraint System (optional)**

Maximum protection in a minimum of space.

6 **210 mm Fore/Aft Adjustment**

The seat can be positioned within a range of 210 mm – enough to accommodate any body height.

7 **Adjustable Backrest Height (optional)**

An integrated backrest extension lets every user sit comfortably and prevents poor posture from causing injuries, since its height can be adapted to their body height. It is adjustable in 13 steps from 475 to 645 mm.

8 **Practical Document Box (optional)**

Dusttight and sprayproof, on the back of the seat.

9 **Adjustable Lumbar Support**

NEW

For the sensitive lower back, the Primo is the world's first compact low-profile seat with lumbar support. Easy to adjust to suit each user, it pleasantly buttresses the back while preventing disk injuries.

THE PRIMO MODELS HAVE A LOT IN COMMON.

10 **Backrest with Adjustable Angle**

The backrest can be inclined within a range of -5° to $+30^{\circ}$ in steps of 2.5° . This lets the user cope longer with difficult work situations, for instance requiring him to look upward for a long time, without tiring.

11 **Seat Contact Switch (optional)**

For safety functions in the vehicle; available as an optional accessory.

12 **Seat Heating (optional)**

For working when it's freezing cold, the seat can be equipped with heating. The driver then sits much more comfortably.

NEW

"Design for use" – the Innovation from GRAMMER

Every PRIMO model is based on the "Design for Use" concept GRAMMER has developed to make its products as easy to use as possible. The underlying idea: all of the controls are shaped and placed according to a logical system that drivers can intuitively figure out. They can learn in no time to optimally adjust the seat to suit their particular body dimensions and needs.



13 Very Low-Profile Mechanical Suspension

NEW

The Primo XM is another premium seat with low-profile full mechanical suspension from GRAMMER. Its suspension travel of 80 mm makes for a smooth ride, and it very gently absorbs jolts and vibrations, also at faster speeds.



PRIMO XM

14 Quick Weight Adjustment

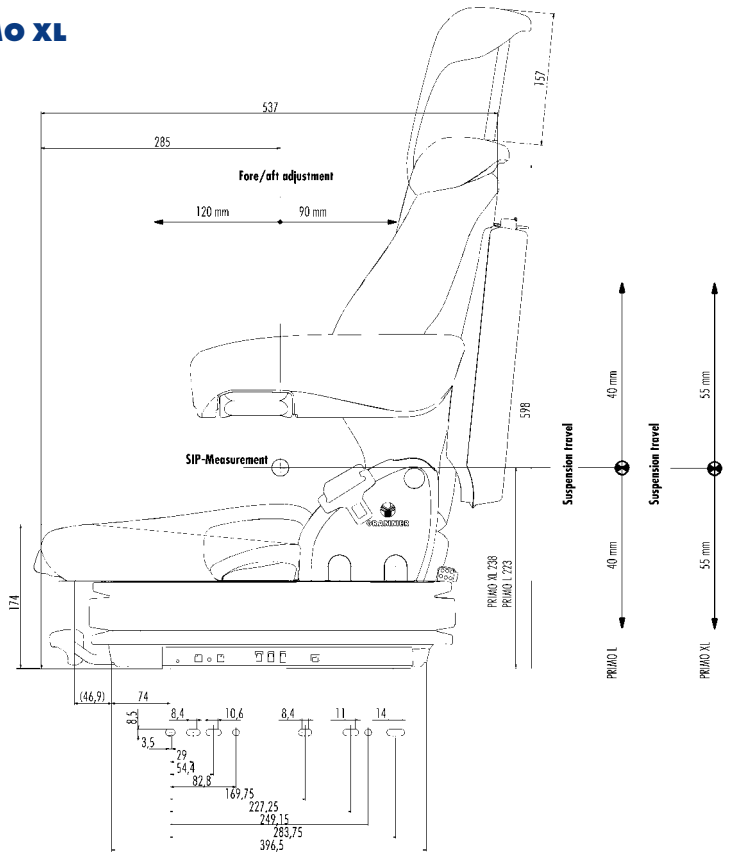
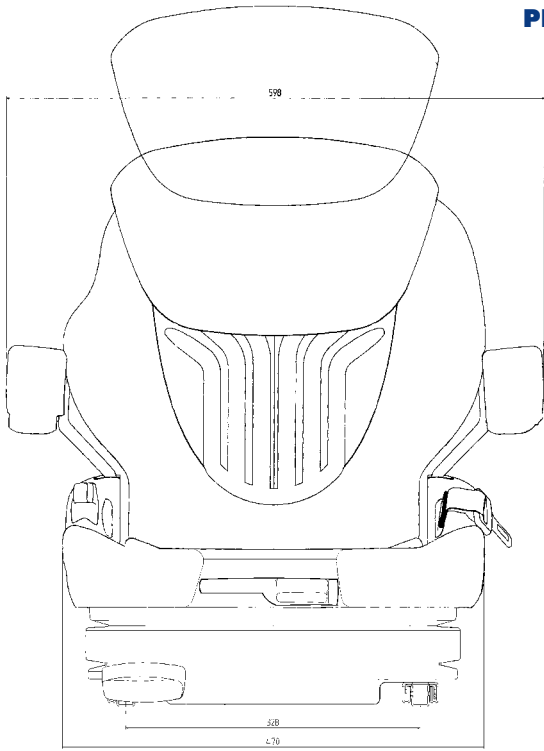
NEW

The Primo models with mechanical suspension perform best when they are optimally adjusted for each driver. Especially when drivers change often, it's very important for each unpracticed user to quickly and intuitively find the right settings. The seat is therefore equipped with a readily accessible setting lever based on the proven "Design for Use" concept. This adjusts the suspension to the operator's weight within the range from 45 to 170 kg.

The models shown may differ from the standard configuration.



PRIMO XL

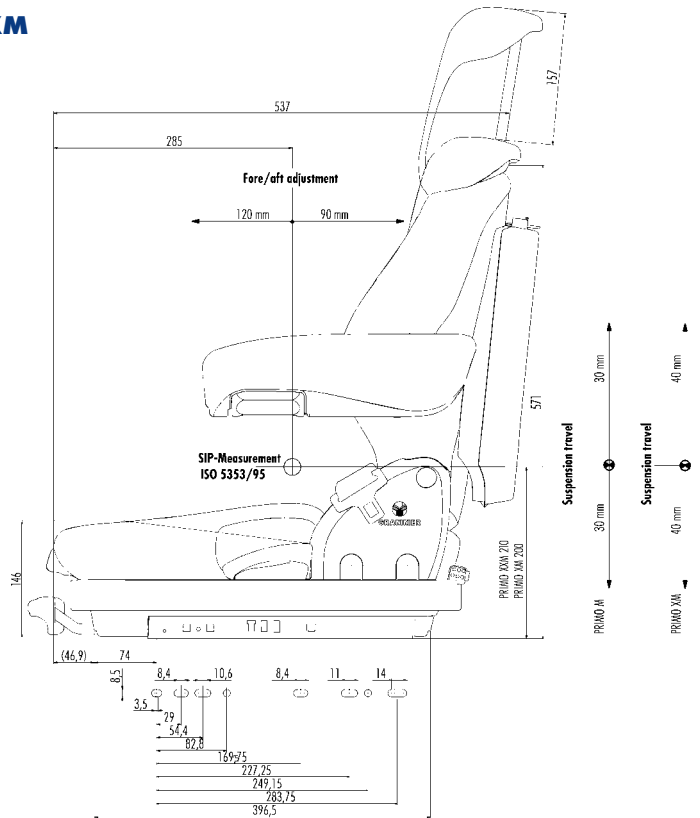
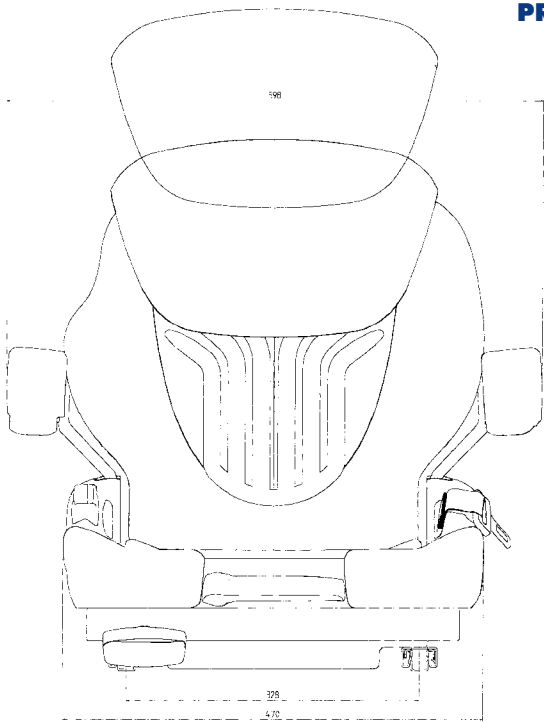


Air suspension

NEW STANDARDS OF COMFORT AND SAFETY.

Mechanical

PRIMO XM



FRONT VIEW

SIDE VIEW

Primo XXM

Primo XXL



Primo XM

Primo XL



THE BEST IN THEIR CLASS.

The models shown may differ from the standard configuration.

FEATURES	Primo M	Primo XM	Primo XXM	Primo L	Primo XL	Primo XL	Primo XL	Primo XXL
Art. no. with fabric	1091029	1091021	1106232	1078703	1102536	1091017	1102537	1106233
Art. no. with imitation leather	1091028	1091027	1106231	1104725				
Shock absorber								
Non-adjustable	●	●	●	●	●	●	●	●
Suspension								
Air suspension with 12 V compressor				●		●		●
Air suspension with 24 V compressor					●		●	
Mechanical suspension	●	●	●					
Suspension travel								
110 mm						●	●	●
80 mm		●	●	●	●			
60 mm	●							
Quick weight adjustment								
mechanical	●	●	●					
electropneumatic				●	●	●	●	●
Setting range: 45-170 kg	●	●	●	●	●	●	●	●
For/aft adjustment								
210 mm	●	●	●	●	●	●	●	●
Lumbar support								
mechanical	●	●	●	●	●	●	●	●
Adjustable backrest angle								
Setting range: -5 to +30°	●	●	●	●	●	●	●	●
Backrest extension								
insertable	○	○		○	○	●	●	
Operator restraint system								
Static belt	○							
Duo-sensitive retractable belt	○	●	●	●	●	●	●	●
Seatbelt lock recognition					●			
Seat cushion width								
450 mm			●					●
470 mm	●	●		●	●	●	●	
Seat contact switch	○	●	●	●	●	●	●	●
OPTIONS								
Document box	○	○	○	○	○	○	○	○
Armrests								
60 x 320 mm, adjustable angle	○	○	○	○	○	○	○	○
Seat heating	○	○	○	○	○	○	○	○
Strength requirement								
Complies with FEM 4.002 (for forklift trucks) * ⁽¹⁾	●	●	●	●	●	●	●	●
Complies with ISO 6683 (earth-moving machinery)		●	●	●	●	●	●	●

● Standard ○ Optional

*⁽¹⁾ Together with a restraint system

**Sitting opportunities that keep
you fit. GRAMMER offers
advanced seating systems for all
rolling workplaces: from forklift
trucks and construction machines
across tractors to trucks, buses
and vans.**

**Ergonomically designed, they set
standards of sitting comfort and
operating convenience. Ask us –
we'll be happy to personally
inform you.**

