

AMF-BRUNS PRODUCTS 2016/17



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The products and conversions shown are representatives of those available. However they may not suit all markets.

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INTRODUCTION

The market for wheelchair and standard passenger transportation is always on the move. Multifunctionality is key to delivering good profits in the minibus business. Custom coachbuilders know this better than anybody else. And you know that calls for flexible configurations and quick conversions. AMF-Bruns sets the pace in this market with RDW, TÜV and VCA approved modular products and accessories.

THE LEADING SUPPLIER

For over 55 years AMF-Bruns has been the leading supplier in Europe for robust, durable lightweight components and accessories for minibus taxis. AMF-Bruns offers safe and flexible solutions for all vehicle brands and models. Ingenious attachment technologies allow minibus taxis to be switched over in no time at all from a standard multi-passenger to a wheelchair transportation configuration - and it's just as easy to fit comfortable VIP seats.

COMPLETE

The basis of AMF-Bruns solutions is formed by an innovative and modular product range. Thanks to good contacts with importers and manufacturers AMF-Bruns enjoys on-going access to the most up-to-date and accurate technical data for almost all minibuses, so our lifts and lightweight floors always fit properly and anybody can install them easily on their own. As well as the innovative lifts and floor components AMF-Bruns offers a range of accessories such as seats, wheelchair and of course, wheelchair occupant restraint systems.

SAFETY FIRST

AMF-Bruns considers the safety of wheelchair users of paramount importance. This safety is key in all product and system innovations. AMF-Bruns has a well-equipped in-house test centre that is suitable for research and approval tests. Smartfloor floors are M1 certified according to UN/ECE R14, R16 and R17 for all major bus VEHICLE MODELS. AMF-Bruns wheelchair fastening systems comply with all international standards, the DIN 75078, I & II as well as the ISO 10542 standard. The key starting point is to VEHICLE MODEL sure the installation is done in line with AMF-Bruns instructions. Never forget: 'safety first'!

EASY TO INSTALL

Our manuals tell you clearly how to install AMF-Bruns products and accessories safely and quickly. Contact us and we will send them to you at no charge.

The products and conversions shown are representatives of those available. However they may not suit all markets.

Lifts
AL1 Solid Linearlift

Fully automatic lift for rear or side door. The AL1 uses aluminium profiles for the unique design of its purpose-built lifting arms. The newly designed aluminium arms make the AL1 the lightest patented lift on the market. The transparent design of the linearlift platform provides excellent rear visibility.

SPECIFICATION

- » Patented newly developed aluminium arms make the AL1 the lightest lift on the market
- » Unique design
- » Applicable for rear and side entry
- » LED flashing lights, optional LED platform lights
- » Choice of 3 standard platforms
- » 900 mm lifting height
- » See-through platform design ensures excellent rear view
- » Roll-off stop opens automatically when touching ground even on uneven surfaces
- » Bridge plate serves as automatic roll-off stop at the same time (patented)
- » Crash security bolts for more passive security
- » Powder coated surface. KTL coating for additional protection against corrosion.
- » Compatible with EMC in accordance with the European legislation
- » Meets EN 1756, II requirements



Lifts
AL1 Solid Linearlift

TECHNICAL DATA

- » SWL 400 kg
- » Operation control Via push buttons - up/down, stow/deploy
- » Unladen weight Between 120 kg and 130 kg, depending on platform size
- » Features Manual pump, two hand rails, automatic flashing lights
- » Power 12V electro-hydraulic motor

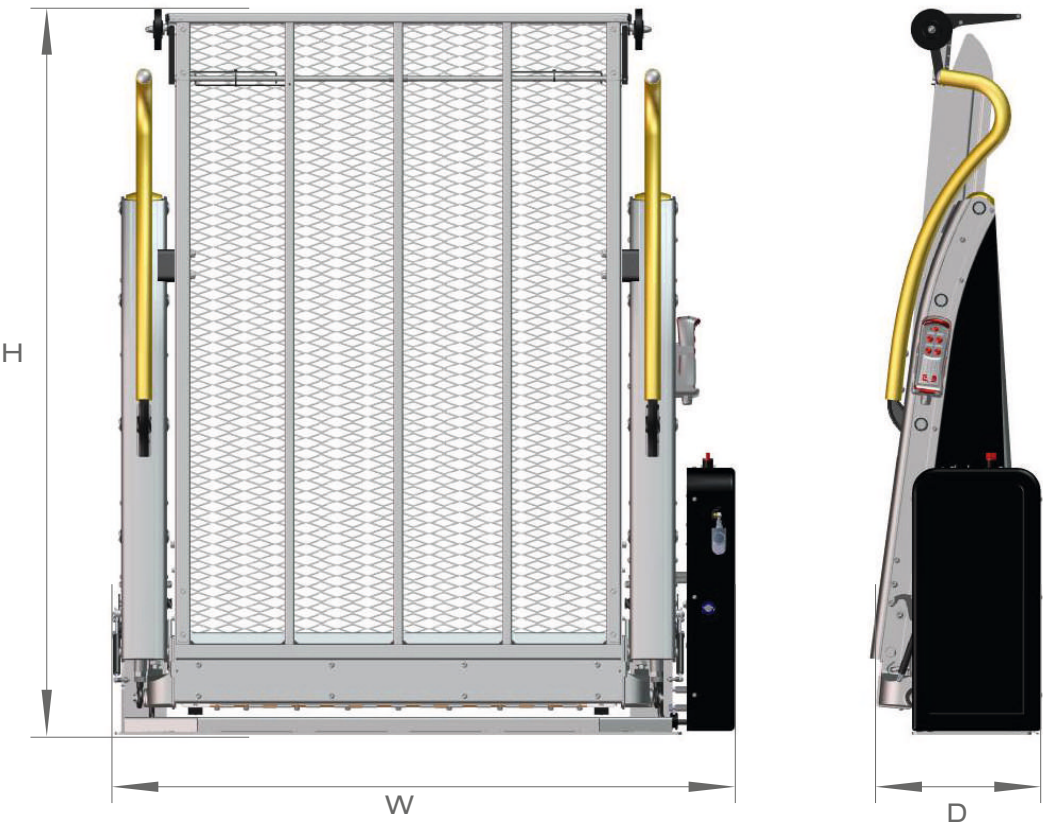
OPTIONAL

- » Radio remote control
- » LED platform lights (available for AL1 Solid 1380)
- » 20G tested mounting kits for vehicle models like Mercedes-Benz Sprinter, Volkswagen Crafter, Volkswagen T5/T6, Renault Master, Opel Movano, Ford Transit

TYPE		AL1 1380	AL1 1130	AL1 1065
Width	(W)	1.290 mm	1.200 mm	1.120 mm
Depth	(D)	350 mm	350 mm	350 mm
Height	(H)	1.500 mm	1.250 mm	1.185 mm

USEABLE PLATFORM SIZES

Width	(W)	920 mm	830 mm	750 mm
Length	(L)	1.380 mm	1.130 mm	1.065 mm



reddot design award
winner 2013

Lifts

AL1 Split Linearlift

Fully automatic lift for rear or side door. The AL1 uses aluminium profiles for the unique design of its purpose-built lifting arms. The newly designed aluminium arms make the AL1 the lightest patented lift on the market. The transparent design of the linearlift platform provides excellent rear visibility.

SPECIFICATION

- » Patented newly developed aluminium arms make the AL1 the lightest lift on the market
- » Unique design
- » Applicable for rear and side entry
- » LED flashing lights, optional LED platform lights
- » Choice of 3 standard platforms
- » 900 mm lifting height
- » See-through platform design ensures excellent rear view
- » The split platform allows free vision through the rear and access through the rear door
- » Roll-off stop opens automatically when touching ground even on uneven surfaces
- » Bridge plate serves as automatic roll-off stop at the same time (patented)
- » Crash security bolts for more passive security
- » Powder coated surface. KTL coating for additional protection against corrosion.
- » Compatible with EMC in accordance with the European legislation
- » Meets EN 1756, II requirements



Lifts

AL1 Split Linearlift

TECHNICAL DATA

- » SWL 400 kg
- » Operation control Via push buttons - up/down, stow/deploy
- » Unladen weight Between 122 kg and 140 kg, depending on platform size
- » Features Manual pump, two hand rails, automatic flashing lights
- » Power 12V electro-hydraulic motor

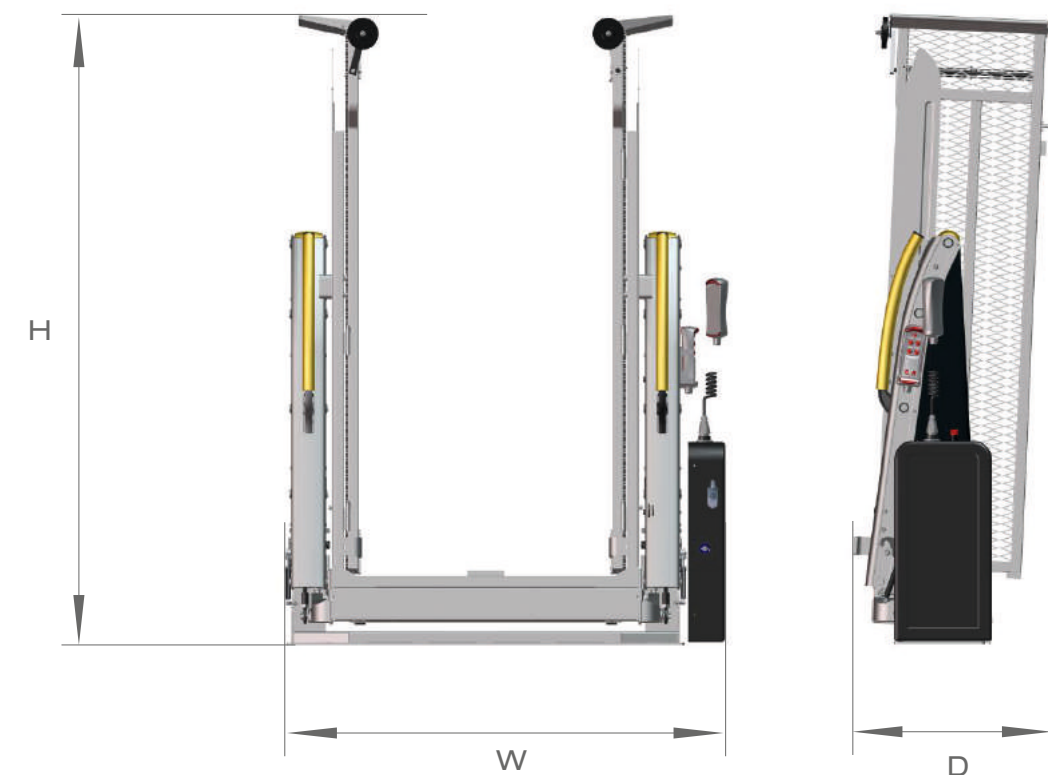
OPTIONAL

- » Radio remote control
- » 20G tested mounting kit for vehicle model like Volkswagen T5/T6

TYPE		SPLIT 1300	SPLIT 1085	SPLIT 1085S
Width	(W)	1.200 mm	1.120 mm	1.040 mm
Depth	(D)	500 mm	500 mm	500 mm
Height	(H)	1.405 mm	1.190 mm	1.190 mm

USEABLE PLATFORM SIZES

Width	(W)	830 mm	750 mm	670 mm
Length	(L)	1.300 mm	1.085 mm	1.085 mm



reddot design award
winner 2013

Lifts

AL1 Panorama Linearlift

Fully automatic lift for rear or side door. The AL1 uses aluminium profiles for the unique design of its purpose-built lifting arms. The newly designed aluminium arms make the AL1 the lightest patented lift on the market. The panorama lift allows the installation of a large platform in vehicles with low interior height.

SPECIFICATION

- » Patented newly developed aluminium arms make the AL1 the lightest lift on the market

» Unique design

» Applicable for rear and side entry

» LED flashing lights, optional LED platform lights

» Choice of 2 standard platforms

» 900 mm lifting height
- » See-through platform design ensures excellent rear view

» The panorama platform allows fitting a large platform into vehicles with small aperture

» Roll-off stop opens automatically when touching ground even on uneven surfaces

» Bridge plate serves as automatic roll-off stop at the same time (patented)
- » Crash security bolts for more passive security

» Powder coated surface. KTL coating for additional protection against corrosion.

» Compatible with EMC in accordance with the European legislation

» Meets EN 1756, II requirements



Lifts

AL1 Panorama Linearlift

TECHNICAL DATA

- » SWL

400 kg
- » Operation control

Via push buttons - up/down, stow/deploy
- » Unladen weight

Between 135 kg and 140 kg, depending on platform size
- » Features

Manual pump, two hand rails, automatic flashing lights
- » Power

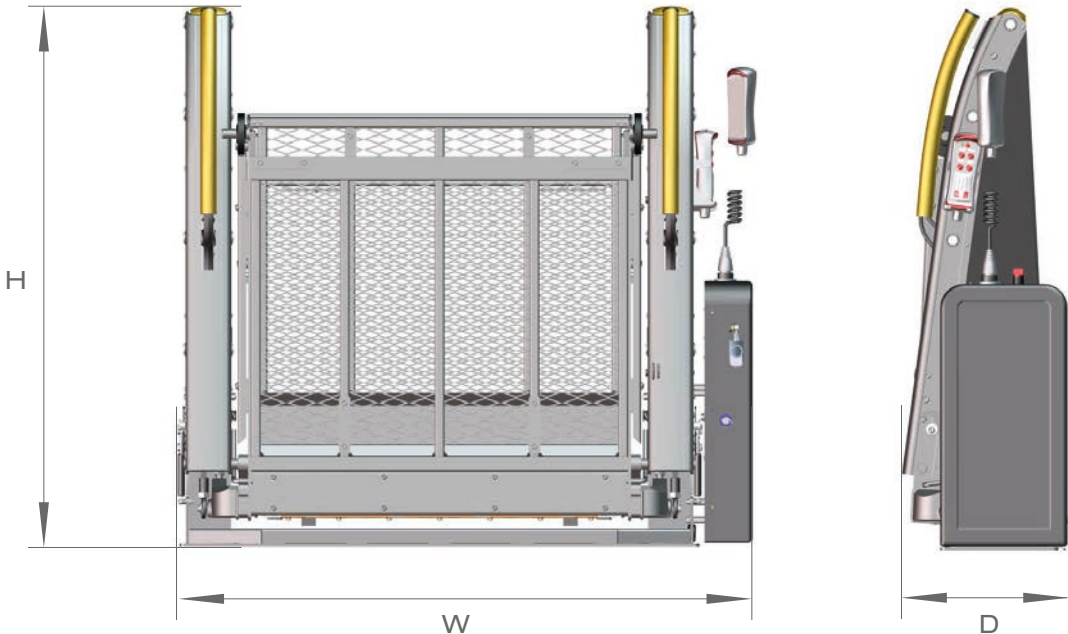
12V electro-hydraulic motor

OPTIONAL

- » Radio remote control
- » 20G tested mounting kit for vehicle model like Volkswagen T5/T6

TYPE		AL1 1200	AL1 1400
Width	(W)	1.200 mm	1.200 mm
Depth	(D)	350 mm	350 mm
Height	(H)	1.125 mm	1.125 mm

USEABLE PLATFORM SIZES			
Width	(W)	755 mm	755 mm
Length	(L)	1.200 mm	1.400 mm



Lifts
Swivel Lift BSL 350

SPECIFICATION

- » The BSL 350 is operating successfully in innumerable vehicles in Germany and abroad for more than 30 years now
- » Platform can be accessed directly from pavement
- » Minimum space requirement behind the vehicle. Easy to swivel in and out even under narrow traffic conditions
- » Lifting and lowering operations are carried out averted to the vehicle's rear edge to prevent foot entrapment
- » Lift can be swivelled 2 x 90°
- » Due to its compact construction, the BSL 350 does only need minimum space in the passenger cabin whilst in non-operating state
- » Two roll-off stops and hand rails ensure safe lifting and lowering operation
- » Robust, bearing-supported lifting unit; absolutely maintenance-free as well as weather-proof for maximum lifetime
- » An additional lift locking device at the vehicle floor ensures rattle-free driving
- » Manual pump for emergency operation
- » Hydraulic power pack integrated in lifting unit:
 - No additional space loss in the passenger cabin
 - Easy to install
- » Compatible with EMC in accordance with the European legislation
- » Meets EN 1756, II requirements



Lifts
Swivel Lift BSL 350

TECHNICAL DATA

- » SWL 350 kg
- » Platform size Approx. 840 x 1.200 mm
- » Unladen weight Approx. 150 kg
- » Lifting time Approx. 10 sec
- » Lowering time Approx. 8 sec
- » Control Via push buttons
- » Lowering operation By unladen weight
- » Lifting operation Hydraulic power pack
- » Power Electro-hydraulic from battery, 12V; strong, low-noise power pack integrated in lifting unit
- » Swivel devices Dust-proof enclosed; splash-proof; with roller bearings and permanently lubricated
- » Lifting unit Maintenance-free roller guides – no sliding friction!

Lifts

Cassette Lift K90

THE ULTRA-SLIM AMF-BRUNS CASSETTE LIFT FOR THE SIDE LOADING DOOR

The cassette lift is installed underneath the vehicle floor in order to make the best possible use of the available space within the vehicle. The cassette lift can be installed at the side of the vehicle. The AMF-Bruns cassette lifts are only suitable for installation in passenger transport vans such as VW T5/T6 and larger.

SPECIFICATION

- » Lifting capacity 300 kg

» Ultra-slim design guarantees ultimate ground clearance

» Automatic barrier operates even on uneven roads and snow

» Powerful, quiet travelling frame ensures smooth operation of the lifting platform
- » Original step is obtained

» Large lifting platform, suitable for large electric wheelchairs

» Totally enclosed stainless steel box provides protection for the lift system even in extreme weather conditions

» Vehicle interior remains unchanged
- » No changes to the car body necessary

» Manual emergency operation

» Compatible with EMC in accordance with the European legislation

» Meets EN 1756, II requirements



Lifts

Cassette Lift K90

TECHNICAL DATA

- » SWL

300 kg
- » Platform size

Approx. 800 x 1.200 mm
- » Unladen weight

Approx. 165 kg
- » Lifting

Approx. 8 sec
- » Lowering

Approx. 6 sec
- » Deploying

Approx. 16 sec
- » Stowing

Approx. 16 sec
- » Control

Via push buttons
- » Power

Lifting and lowering electro-hydraulic 12V; deploying and stowing driven by 12V electric motor

OPTIONAL

- » Radio remote control



Lifts

Cassette Lift K90 Active

THE ULTRA-SLIM AMF-BRUNS CASSETTE LIFT FOR THE SIDE LOADING DOOR

1 METER OF FREE SPACE IS ENOUGH

The AMF-Bruns K90 Active lift is a new high-quality cassette lift for active and independent wheelchair users.

Extremely suitable for narrow parking spaces

Narrow parking spaces are no longer an obstacle, thanks to a platform width of less than 70 cm on the ground. For maximum ease of use, the lift platform can be accessed from both sides, parallel to the linear direction of the vehicle. Ideal in parking spaces with cars parked on both sides of the vehicle, or in a busy street with cars parked both in front and behind the vehicle.

Ultra-slim

As so little space is needed, the K90 Active is easy to install. The lift is fitted underneath the vehicle's sliding door at the right side of the vehicle. Thanks to its ultra-slim design, you only need a maximum of 90 mm underneath the vehicle to install it. The vehicle's interior remains fully intact. This lightweight lift guarantees quick, simple and convenient use.

SPECIFICATION

- » Lifting capacity 200 kg

» Ultra slim design guarantees ultimate ground clearance

» Automatic barrier operates even on uneven roads and snow

» Narrow stroke platform for small space requirement

» Powerful, quiet action ensures smooth operation of the lifting platform
- » Original step is obtained

» Totally enclosed stainless steel box provides protection for the lifting system, even in extreme weather conditions

» Original tank is preserved (LHD only)

» Vehicle interior remains untouched

» Manual emergency operation
- » Compatible with EMC in accordance with the European legislation

» Meets EN 1756, II requirements



Lifts

Cassette Lift K90 Active

TECHNICAL DATA

- » SWL

200 kg
- » Platform size

Approx. 690 x 800 mm
- » Unladen weight

Approx. 140 kg
- » Lifting

Approx. 11 sec
- » Lowering

Approx. 9 sec
- » Deploying

Approx. 16 sec
- » Stowing

Approx. 16 sec
- » Control

Via push buttons
- » Power

Lifting and lowering electro-hydraulic 12V; deploying and stowing driven by 12V electric motor

OPTIONAL

- » Radio remote control



Lifts
Cassette Lift K90 / K90 Active

ITEM CODE	DESCRIPTION	DIMENSIONS (W X H)
H 9000	K90	800 x 1.200 mm
H 9002	K90 Active	690 x 800 mm

Underfloor Cassette Lifts - Vehicle Matrix

VEHICLE MODEL	K90 SIDE MOUNTED	K90 ACTIVE
Jumper / Relay / Boxer / Ducato (not SWB)	Yes	
Ford Transit (only FWD)	Yes	
Vito / V-Class (not V6 diesel or petrol derivatives)	Yes	
Sprinter / Crafter	Yes	
Master / Movano / NV 400	Yes	
Master / Movano / NV 400 - MY 2010 (not SWB)	Yes	
Volkswagen T5/T6 (not V6 petrol or 4 Motion derivatives)	Yes	Yes (1)
Volkswagen T6 (not V6 diesel or petrol derivatives)	Yes (2)	Yes (1)

Yes (1) = only right side of vehicle
Yes (2) = also with 4 Motion

PROTEKTOR System
Wheelchair & Occupant Restraints



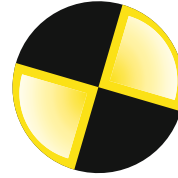
PROTEKTOR System Wheelchair & Occupant Restraints

AMF-Bruns has been developing and manufacturing retractor systems for many years before all the other suppliers of restraint systems entered the market.

The first 4 point system for wheelchairs and occupants was sold in the 1970's. At that time AMF-Bruns invented a wheelchair retractor to tighten the wheelchair, it was 20 years later, that others followed AMF-Bruns idea.

Meanwhile the PROTEKTOR® system sets the standard worldwide - often copied, but never equalled! Of course, this knowledge and know how is still reflected in our actual restraint system.

New developments like the monosystem, are subsequent developments of our actual system and, of course, totally compatible. Like these, the PROTEKTOR® system gets even more easy, faster and safer to use, than any other product on the market.



To ensure ultimate safety AMF-Bruns goes further. - Good is not good enough for us!

AMF-Bruns is the world's leading company for webbing safety systems for wheelchairs and occupants. Production follows the strict rules of the ISO 9001 standard.

On top of this AMF-Bruns works permanently in different national & international meetings, has their own testing facilities and, also test at organisations like TÜV, BAST, DTC, UTAC.

The result is a proven, ultimately safe system, which meets all the requirements of its users, the PROTEKTOR® system.

STANDARDS

The AMF-Bruns PROTEKTOR® system fulfills, for example, ISO 10542-1 + 2, DIN 75078-2, CSA Z 605, FMSS/CNVSS, AS 2596, SAE J 2249, 2001/85/EC.

SAFE DIVERSITY

The PROTEKTOR® occupant and wheelchair restraint system offers a number of variations.

For the installation to the vehicle floor the PROTEKTOR® system offers 4 stud fitting and Mono fitting.

For the fortification on the wheelchair the system offers loops, hooks or carabiners.

Whether you use the manual **BLACKSERIES** or the automatic **SILVERSERIES** or the heavy duty **PLATINUMSERIES**, the PROTEKTOR® system offers proven safety according to ISO 10542, regardless of what variations you choose.

Simply choose the system that best suits your needs.

BLACKSERIES

- manual pull-out and semi automatic self-tensioning system
- lightweight ABS-Cover



PROTEKTOR System BLACKSERIES

Wheelchair Restraint System

GENERAL NOTE!

Static belt only for front attachment.

RETRACTOR SYSTEM WITH LOOP

4 STUD FITTING AT 40°, FLEXIBLE



PROTEKTOR®-System
Pro 2 B LV with **loop** and
4 stud fitting at 40°, flexible

- 2 x retractor belt LV
- 2 x static belt LV
- 1 x pelvis belt

Item no. H 350 502 LV



PROTEKTOR®-System
Pro 4 B LV with **loop** and
4 stud fitting at 40°, flexible

- 4 x retractor belt LV
- 1 x pelvis belt

Item no. H 350 504 LV

4 STUD FITTING TWISTED 40/90°, FLEXIBLE



PROTEKTOR®-System
Pro 2 B LG with **loop** and
4 stud fitting twisted 40/90°, flexible

- 2 x retractor belt LG
- 2 x static belt LV
- 1 x pelvis belt

Item no. H 350 502 LG



PROTEKTOR®-System
Pro 4 B LG with **loop** and
4 stud fitting twisted 40/90°, flexible

- 4 x retractor belt LG
- 1 x pelvis belt

Item no. H 350 504 LG

4 STUD FITTING FLAT FLEXIBLE



PROTEKTOR®-System
Pro 2 B LF with **loop** and
4 stud fitting, flat flexible

- 2 x retractor belt LF
- 2 x static belt LV
- 1 x pelvis belt

Item no. H 350 502 LF



PROTEKTOR®-System
Pro 4 B LF with **loop** and
4 stud fitting, flat flexible

- 4 x retractor belt LF
- 1 x pelvis belt

Item no. H 350 504 LF

MONO FITTING AT 40°



PROTEKTOR®-System
Pro 2 B LM with **loop** and
Mono fitting at 40°

- 2 x retractor belt LM
- 2 x static belt LM
- 1 x pelvis belt

Item no. H 350 502 LM



PROTEKTOR®-System
Pro 4 B LM with **loop** and
Mono fitting at 40°

- 4 x retractor belt LM
- 1 x pelvis belt

Item no. H 350 504 LM

RETRACTOR SYSTEM WITH HOOK

4 STUD FITTING AT 40°, FLEXIBLE



PROTEKTOR®-System
Pro 2 B HV with **hook** and
4 stud fitting at 40°, flexible

- 2 x retractor belt HV
- 2 x static belt HV
- 1 x pelvis belt

Item no. H 350 522 HV

4 STUD FITTING AT 40°, FLEXIBLE



PROTEKTOR®-System
Pro 4 B HV with **hook**
and **4 stud fitting at 40°, flexible**

- 4 x retractor belt HV
- 1 x pelvis belt

Item no. H 350 524 HV

4 STUD FITTING TWISTED AT 40/90°, FLEXIBLE



PROTEKTOR®-System
Pro 2 B HG with **hook**
and **4 stud fitting twisted 40/90°, flexible**

- 2 x retractor belt HG
- 2 x static belt HV
- 1 x pelvis belt

Item no. H 350 522 HG



PROTEKTOR®-System
Pro 4 B HG with **hook**
and **4 stud fitting twisted 40/90°, flexible**

- 4 x retractor belt HG
- 1 x pelvis belt

Item no. H 350 524 HG

4 STUD FITTING FLAT FLEXIBLE



PROTEKTOR®-System
Pro 2 B HF with **hook**
and **4 stud fitting, flat flexible**

- 2 x retractor belt HF
- 2 x static belt HV
- 1 x pelvis belt

Item no. H 350 522 HF



PROTEKTOR®-System
Pro 4 B HF with **hook**
and **4 stud fitting, flat flexible**

- 4 x retractor belt HF
- 1 x pelvis belt

Item no. H 350 524 HF

MONO FITTING AT 40°



PROTEKTOR®-System
Pro 2 B HM with **hook**
and **Mono fitting at 40°**

- 2 x retractor belt HM
- 2 x static belt HM
- 1 x pelvis belt

Item no. H 350 522 HM



PROTEKTOR®-System
Pro 4 B HM with **hook**
and **Mono fitting at 40°**

- 4 x retractor belt HM
- 1 x pelvis belt

Item no. H 350 524 HM

RETRACTOR SYSTEM WITH CARABINER

4 STUD FITTING AT 40°, FLEXIBLE



PROTEKTOR®-System
Pro 2 B CV with **carabiner**
and **4 stud fitting at 40°, flexible**

- 2 x retractor belt CV
- 2 x static belt CV
- 1 x pelvis belt

Item no. H 350 552 CV



PROTEKTOR®-System
Pro 4 B CV with **carabiner**
and **4 stud fitting at 40°, flexible**

- 4 x retractor belt CV
- 1 x pelvis belt

Item no. H 350 554 CV

4 STUD FITTING 40/90°, FLEXIBLE



PROTEKTOR®-System
Pro 2 B CG with **carabiner**
and **4 stud fitting twisted 40/90°, flexible**

- 2 x retractor belt CG
- 2 x static belt CV
- 1 x pelvis belt

Item no. H 350 552 CG

4 STUD FITTING TWISTED AT 40/90°, FLEXIBLE



PROTEKTOR®-System
Pro 4 B CG with **carabiner**
and **4 stud fitting twisted**
40/90°, flexible

- 2 x retractor belt CG
- 2 x static belt CV

Item no. H 350 554 CG

4 STUD FITTING FLAT FLEXIBLE



PROTEKTOR®-System
Pro 2 B CF with **carabiner**
and **4 stud fitting,**
flat flexible

- 2 x retractor belt CF
- 2 x static belt CV
- 1 x pelvis belt

Item no. H 350 552 CF



PROTEKTOR®-System
Pro 4 B CF with **carabiner**
and **4 stud fitting,**
flat flexible

- 4 x retractor belt CF
- 1 x pelvis belt

Item no. H 350 554 CF

MONO FITTING 40°



PROTEKTOR®-System
Pro 2 B CM with **carabiner**
and **Mono fitting at 40°**

- 2 x retractor belt CM
- 2 x static belt CM
- 1 x pelvis belt

Item no. H 350 552 CM



PROTEKTOR®-System
Pro 4 B CM with **carabiner**
and **Mono fitting at 40°**

- 4 x retractor belt CM
- 1 x pelvis belt

Item no. H 350 554 CM

RETRACTORS

RETRACTOR WITH LOOP



Retractor B LV
with **loop** and
4 stud fitting at 40°,
flexible

Item no.
H 350 509 LV



Retractor B LG
with **loop** and
4 stud fitting
twisted 40/90°,
flexible

Item no.
H 350 509 LG



Retractor B LF
with **loop** and
4 stud fitting,
flat flexible

Item no.
H 350 509 LF



Retractor B LM
with **loop** and
Mono fitting at 40°

Item no.
H 350 509 LM

RETRACTOR WITH HOOK



Retractor B HV
with **hook** and
4 stud fitting
at 40°, flexible

Item no.
H 350 534 HV



Retractor B HG
with **hook** and
4 stud fitting
twisted 40/90°,
flexible

Item no.
H 350 534 HG



Retractor B HF
with **hook** and
4 stud fitting
flat flexible

Item no.
H 350 534 HF



Retractor B HM
with **hook** and
Mono fitting at 40°

Item no.
H 350 534 HM

RETRACTOR WITH CARABINER



Retractor B CV
with **carabiner** and
4 stud fitting
at 40°, flexible

Item no.
H 350 564 CV



Retractor B CG
with **carabiner** and
4 stud fitting twisted
40/90°, flexible

Item no.
H 350 564 CG

RETRACTOR WITH CARABINER



Retractor B CF
with **carabiner** and
4 stud fitting,
flat flexible

Item no.
H 350 564 CF



Retractor B CM
with **carabiner** and
Mono fitting at 40°

Item no.
H 350 564 CM

STATIC BELTS

STATIC BELT WITH 4 STUD FITTING



Static belt LV
with **loop**
and **4 stud fitting**
(front attachment)

Item no.
H 350 510 LV



Static belt HV
with **hook**
and **4 stud fitting**
(front attachment)

Item no.
H 350 535 HV



Static belt CV
with **carabiner**
and **4 stud fitting**
(front attachment)

Item no.
H 350 565 CV

STATIC BELT WITH MONO FITTING



Static belt LM
with **loop**
and **Mono fitting**
(front attachment)

Item no.
H 350 510 LM



Static belt HM
with **hook**
and **Mono fitting**
(front attachment)

Item no.
H 350 535 HM



Static belt CM
with **carabiner**
and **Mono fitting**
(front attachment)

Item no.
H 350 565 CM

ELECTRIC BELT



Electric belt L
with **loop**,
length 3,6 m
(front attachment)

Item no.
H 350 240 L



Electric belt H
with **hook**,
length 3,6 m
(front attachment)

Item no.
H 350 240 H



Electric belt C
with **carabiner**,
length 3,6 m
(front attachment)

Item no.
H 350 240 C



Cover complete
for electric belt
(front attachment)

Item no.
H 350 634



Cover
for electric belt
(front attachment)

Item no.
H 350 632



Cover floor
for electric belt
(front attachment)

Item no.
H 350 633

SILVERSERIES

- fully automatic pull-out and self-tensioning system
- robust zinc diecasting cover



PROTEKTOR System SILVER SERIES

Wheelchair Restraint System

GENERAL NOTE!

Static belt only for front attachment.

RETRACTOR SYSTEM WITH LOOP

4 STUD FITTING AT 40°, FLEXIBLE



**PROTEKTOR®-System
Pro 2 S LV with loop
and 4 stud fitting at 40°,
flexible**

- 2 x retractor belt LV
- 2 x static belt LV
- 1 x pelvis belt

Item no. H 350 501 LV



**PROTEKTOR®-System
Pro 4 S LV with loop
and 4 stud fitting at 40°,
flexible**

- 4 x retractor belt LV
- 1 x pelvis belt

Item no. H 350 503 LV

4 STUD FITTING TWISTED 40/90°, FLEXIBLE



**PROTEKTOR®-System
Pro 2 S LG with loop
and 4 stud fitting twisted
40/90°, flexible**

- 2 x retractor belt LG
- 2 x static belt LV
- 1 x pelvis belt

Item no. H 350 501 LG



**PROTEKTOR®-System
Pro 4 S LG with loop
and 4 stud fitting twisted
40/90°, flexible**

- 4 x retractor belt LG
- 1 x pelvis belt

Item no. H 350 503 LG

4 STUD FITTING, FLAT FLEXIBLE



**PROTEKTOR®-System
Pro 2 S LF with loop
and 4 stud fitting,
flat flexible**

- 2 x retractor belt LF
- 2 x static belt LV
- 1 x pelvis belt

Item no. H 350 501 LF



**PROTEKTOR®-System
Pro 4 S LF with loop
and 4 stud fitting,
flat flexible**

- 4 x retractor belt LF
- 1 x pelvis belt

Item no. H 350 503 LF

MONO FITTING AT 40°



**PROTEKTOR®-System
Pro 2 S LM with loop
and Mono fitting at 40°**

- 2 x retractor belt LM
- 2 x static belt LM
- 1 x pelvis belt

Item no. H350 501 LM



**PROTEKTOR®-System
Pro 4 S LM with loop
and Mono fitting at 40°**

- 4 x retractor belt LM
- 1 x pelvis belt

Item no. H 350 503 LM

RETRACTOR SYSTEM WITH HOOK

4 STUD FITTING 40°, FLEXIBLE



**PROTEKTOR®-System
Pro 2 S HV with hook
and 4 stud fitting at 40°,
flexible**

- 2 x retractor belt HV
- 2 x static belt HV
- 1 x pelvis belt

Item no. H 350 520 HV

4 STUD FITTING 40°, FLEXIBLE



PROTEKTOR®-System
Pro 4 S HV with **hook**
and **4 stud fitting at 40°**,
flexible

- 4 x retractor belt HV
- 1 x pelvis belt

Item no. H350 525 HV

4 STUD FITTING TWISTED 40/90°, FLEXIBLE



PROTEKTOR®-System
Pro 2 S HG with **hook** and
4 stud fitting
twisted 40/90°, **flexible**

- 2 x retractor belt HG
- 2 x static belt HV
- 1 x pelvis belt

Item no. H 350 520 HG



PROTEKTOR®-System
Pro 4 S HG with **hook**
and **4 stud fitting**
twisted 40/90°, **flexible**

- 4 x retractor belt HG
- 1 x pelvis belt

Item no. H 350 525 HG

4 STUD FITTING, FLAT FLEXIBLE



PROTEKTOR®-System
Pro 2 S HF with **hook**
and **4 stud fitting**,
flat flexible

- 2 x retractor belt HF
- 2 x static belt HV
- 1 x pelvis belt

Item no. H 350 520 HF



PROTEKTOR®-System
Pro 4 S HF with **hook**
and **4 stud fitting**,
flat flexible

- 4 x retractor belt
- 1 x pelvis belt

Item no. H 350 525 HF

MONO FITTING AT 40°



PROTEKTOR®-System
Pro 2 S HM with **hook**
and **Mono fitting at 40°**

- 2 x retractor belt HM
- 2 x static belt HM
- 1 x pelvis belt

Item-No. H 350 520 HM



PROTEKTOR®-System
Pro 4 S HM with **hook**
and **Mono fitting at 40°**

- 4 x retractor belt HM
- 1 x pelvis belt

Item-No. H 350 525 HM

RETRACTOR SYSTEM WITH CARABINER

4 STUD FITTING AT 40°, FLEXIBLE



PROTEKTOR®-System
Pro 2 S CV with **carabiner**
and **4 stud fitting at 40°**,
flexible

- 2 x retractor belt CV
- 2 x static belt CV
- 1 x pelvis belt

Item-No. H 350 550 CV



PROTEKTOR®-System
Pro 4 S CV with **carabiner**
and **4 stud fitting at 40°**,
flexible

- 4 x retractor belt CV
- 1 x pelvis belt

Item-No. H350 555 CV

4 STUD FITTING TWISTED 40/90°, FLEXIBLE



PROTEKTOR®-System
Pro 2 S CG with **carabiner**
and **4 stud fitting twisted**
40/90°, **flexible**

- 2 x retractor belt CG
- 2 x static belt CV
- 1 x pelvis belt

Item-No. H 350 550 CG

4 STUD FITTING TWISTED 40/90°, FLEXIBLE



PROTEKTOR®-System
Pro 4 S CG with carabiner
and 4 stud fitting twisted
40/90°, flexible

- 4 x retractor belt CG
- 1 x pelvis belt

Item-No. H 350 555 CG

4 STUD FITTING, FLAT FLEXIBLE



PROTEKTOR®-System
Pro 2 S CF with carabiner
and 4 stud fitting,
flat flexible

- 2 x retractor belt CF
- 2 x static belt CV
- 1 x pelvis belt

Item-No. H 350 550 CF



PROTEKTOR®-System
Pro 4 S CF with carabiner
and 4 stud fitting,
flat flexible

- 4 x retractor belt CF
- 1 x pelvis belt

Item-No. H 350 555 CF

MONO FITTING AT 40°



PROTEKTOR®-System
Pro 2 S CM with carabiner
and Mono fitting at 40°

- 2 x retractor belt CM
- 2 x static belt CM
- 1 x pelvis belt

Item-No. H 350 550 CM



PROTEKTOR®-System
Pro 4 S CM with carabiner
and Mono fitting at 40°

- 4 x retractor belt CM
- 1 x pelvis belt

Item-No. H 350 555 CM

RETRACTORS

RETRACTOR WITH LOOP



Retractor S LV
with **loop** and
4 stud fitting
at 40°, flexible

Item no.
H 350 505 LV



Retractor S LG
with **loop** and
4 stud fitting
twisted 40/90°,
flexible

Item no.
H 350 505 LG



Retractor S LF
with **loop** and
4 stud fitting,
flat flexible

Item no.
H 350 505 LF



Retractor S LM
with **loop**
and **Mono fitting**
at 40°

Item no.
H 350 505 LM

RETRACTOR WITH HOOK



Retractor S HV
with **hook** and
4 stud fitting
flexible at 40°

Item no.
H 350 530 HV



Retractor S HG
with **hook** and
4 stud fitting
twisted, 40/90°,
flexible

Item no.
H 350 530 HG



Retractor S HF
with **hook** and
4 stud fitting,
flat flexible

Item no.
H 350 530 HF



Retractor S HM
with **hook**
and **Mono fitting**
at 40°

Item no.
H 350 530 HM

RETRACTOR WITH CARABINER



Retractor S CV
with **carabiner** and
4 stud fitting
flexible at 40°

Item no.
H 350 560 CV



Retractor S CG
with **carabiner** and
4 stud fitting
twisted 40/90°,
flexible

Item no.
H 350 560 CG

RETRACTOR WITH CARABINER



Retractor S CF
with **carabiner** and
4 stud fitting,
flat flexible

Item no.
H 350 560 CF



Retractor S CM
with **carabiner**
and **Mono fitting**
at 40°

Item no.
H 350 560 CM

STATIC BELTS

STATIC BELT WITH 4 STUD FITTING



Static belt LV
with **loop**
and **4 stud fitting**
(front attachment)

Item no.
H 350 510 LV



Static belt HV
with **hook**
and **4 stud fitting**
(front attachment)

Item no.
H 350 535 HV



Static belt CV
with **carabiner**
and **4 stud fitting**
(front attachment)

Item no.
H 350 565 CV

STATIC BELT WITH MONO FITTING



Static belt LM
with **loop**
and **Mono fitting**
(front attachment)

Item no.
H 350 510 LM



Static belt HM
with **hook**
and **Mono fitting**
(front attachment)

Item no.
H 350 535 HM



Static belt CM
with **carabiner**
and **Mono fitting**
(front attachment)

Item no.
H 350 565 CM

ELECTRIC BELT



Electric belt L
with **loop**,
length 3,6 m
(front attachment)

Item no.
H 350 240 L



Electric belt H
with **hook**,
length 3,6 m
(front attachment)

Item no.
H 350 240 H



Electric belt C
with **carabiner**,
length 3,6 m
(front attachment)

Item no.
H 350 240 C



Cover complete
for electric belt
(front attachment)

Item no.
H 350 634



Cover
for electric belt
(front attachment)

Item no.
H 350 632



Cover floor
for electric belt
(front attachment)

Item no.
H 350 633

PLATINUM **HEAVY DUTY**



PROTEKTOR System PLATINUMSERIES

Wheelchair Restraint System

Increased weight requirements for electric wheelchairs and wheelchair users have created the need for a new wheelchair restraint system for heavier loads. AMF-Bruns developed the new Protektor Platinum Series after intensive crash tests indicated the need for more durable retractors. The Platinum Series is a heavy duty 4 point wheelchair retractor system for wheelchairs and occupants. This wheelchair restraint system can support loads up to 160 kgs (also for wheelchairs with integrated lap belt) – creating a new level of security!

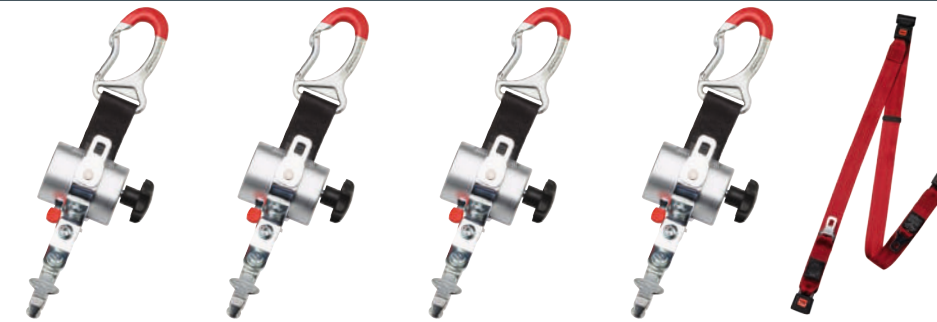


THESE FACTS MAKE ALL THE DIFFERENCE

- » Applicable up to 160 kg - also for wheelchairs with integrated lap belt.
- » 4 point securement system
- » Easy to use
- » Robust design
- » Fulfills ISO 10542, WC18 and DIN 75078 with integrated lap belt
- » The **PLATINUMSERIES** is compatible with all wheelchairs and vehicles
- » The **PLATINUMSERIES** is equipped with carabiners, which ensure a safe connection between wheelchair and vehicle, even if the wheelchair deforms during an accident.

RETRACTOR SYSTEM WITH CARABINER

4 STUD FITTING AT 40°, FLEXIBLE



**PROTEKTOR® System
Pro 4 P CV with carabiner
and 4 stud fitting at 40°,
flexible**

- 4 x retractor belt CV

Item no. H 350 815 CV

MONO FITTING AT 40°



**PROTEKTOR® System
Pro 4 P CM with carabiner
and Mono fitting at 40°**

- 4 x retractor belt CM

Item no. H 350 815 CM

RETRACTORS

RETRACTOR WITH CARABINER



**Retractor P CV
with carabiner and
4 stud fitting at 40°,
flexible**

Item no.
H 350 800 CV



**Retractor P CM
with carabiner and
Mono fitting at 40°**

Item no.
H 350 800 CM

PROTEKTOR System
Accessories



- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

OCCUPANT RESTRAINT SYSTEM



Pelvis belt

Standard length
Item no.
H 350 200

XL Version
Item no.
H 350 198



Automatic pelvis belt with flexible buckle

Item no.
H 350 205



Automatic pelvis belt

Item no.
H 350 207



Flexible buckle length 300 mm

Item no.
H 350 210



Automatic shoulder belt without height adjustment

Item no.
H 350 225



Automatic shoulder belt (height adjustable)

Item no.
H 350 235



Automatic shoulder belt without height adjustment incl. two 4 stud fittings

Item no.
H 350 250



Automatic shoulder belt with height adjustment incl. two 4 stud fittings

Item no.
H 350 239



Static shoulder belt

Item no.
H 350 226



Static shoulder belt with buckle, two part

Item no.
H 350 227

OCCUPANT RESTRAINT SYSTEM



Automatic 3-Point-Belt with height adjustment incl. tongue

Item no.
H 350 231



Automatic 3 point belt without height adjustment

Item no.
H 350 230



Automatic 3-Point-Belt without height adjustment incl. two 4 stud fittings

Item no.
H 350 251



Automatic 3-Point-Belt with height adjustment incl. two 4 stud fittings

Item no.
H 350 252



WAV Automatic 3-Point-Belt with height adjustment and two flexible buckles, 300 mm

Item no.
H 350 233



WAV Automatic 3-Point-Belt without height adjustment and two flexible buckles, 300 mm

Item no.
H 350 232



Harnessbelt (only in combination with shoulder belt)

Item no. 350 222



Easy-Bag for restraint system

Item no. 10019363

ACCESSORIES



Headrest

W 330 - 410 mm
Item no.
H 150 259

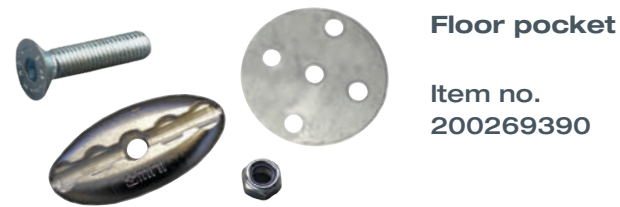
W 400 - 480 mm
Item no.
H 150 258



Secure belt 300 mm

Item no.
H 350 238

ACCESSORIES



Floor pocket

Item no.
200269390

Breast belt

180 cm length Item no. H 150 222
160 cm length Item no. H 150 223
110 cm length Item no. H 150 224

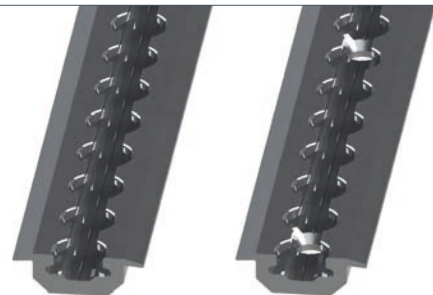
FLOOR SYSTEMS



PROTEKTOR® Surface track

not predrilled
1000 mm length Item no. H 150 132
1500 mm length Item no. H 150 134
1750 mm length Item no. H 150 135
3000 mm length Item no. H 150 136

predrilled
3000 mm length Item no. H 150 385



PROTEKTOR® Insert track

not predrilled
1750 mm length Item no. H 150 120
3500 mm length Item no. H 150 130

predrilled
3500 mm length Item no. H 150 375



**Mono fitting
(complete)**

Item no.
H 150 915
with Bolt M12
50 mm



**Mono fitting
(head piece)**

Item no.
H 150 916
with Bolt M12
50 mm

FLOOR SYSTEMS



**Monodisc
(floor)**

Item no.
H 150 917
with Bolt M12
50 mm



**Mono fitting
with 40°**

Item no.
H 150 619



4 stud fitting

Item no.
2002 11247



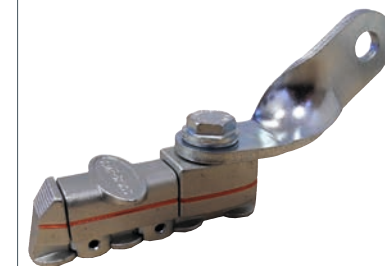
**4 stud fitting
with bolt**

Item no.
H 150 615



**4 stud fitting
40° bracket**

Item no.
H 150 616



**4 stud fitting
twisted 40°/90°**

Item no.
H 150 617



**4 stud fitting
flat**

Item no.
H 150 618



**End cap for
surface track**

Item no.
200 261 878



**End cap for
insert track**

Item no.
200 261 840

Protektor
Assembly Kits

RAIL SOLUTION

VEHICLE APPROVED ANCHORAGE POINTS FOR OCCUPANT RESTRAINTS

New EU directive 2007/46/EG (214/2014 Annex XI, 3) – already mandatory in some European countries

UPPER ANCHORAGE POINTS

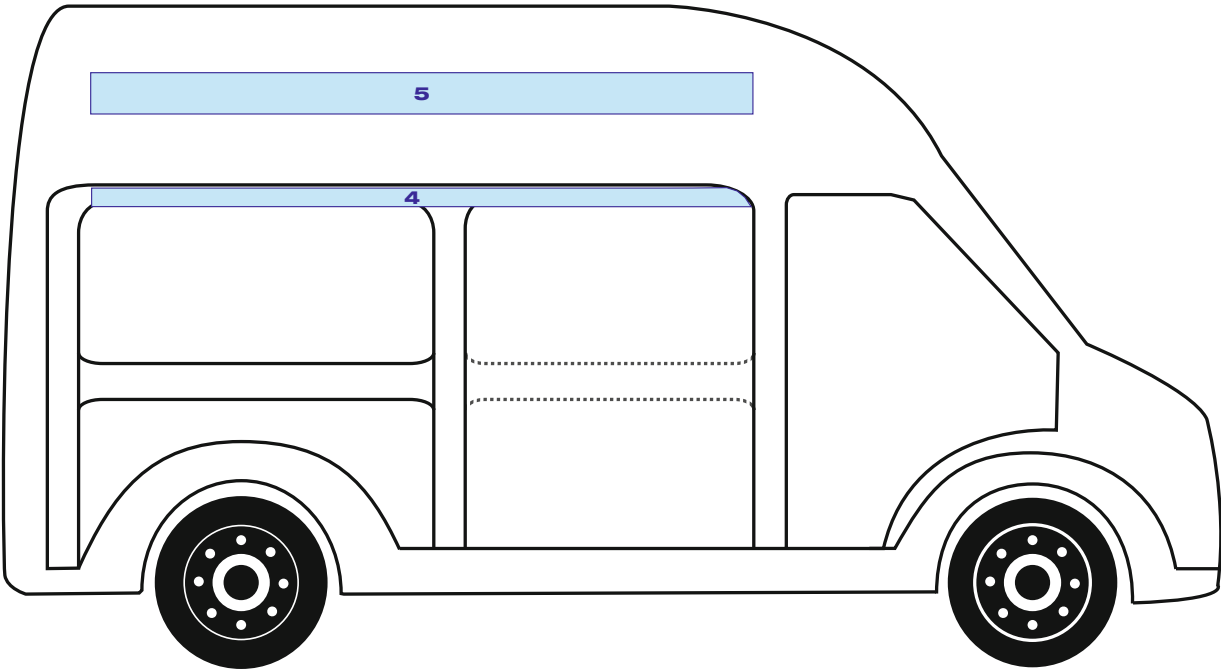
All AMF-Bruns occupant restraint systems – whether static or automatic shoulder belts in combination with a separate pelvis belt or integrated 3 point belt – have been tested with 24.5 kN forwards and 8.2 kN backwards. AMF-Bruns has developed and produces special assembly kits for each vehicle. The pull tests are carried out in our own test centre in cooperation with TÜV.

The assembly kits are compatible with all AMF-Bruns restraint systems.

AMF-BRUNS PROTEKTOR® WHEELCHAIR AND OCCUPANT RESTRAINT SYSTEM FULFILLS THE NEW EU DIRECTIVE 2007/46/EG WHICH CAME INTO FORCE ON 1ST NOVEMBER 2014.

ATTENTION!

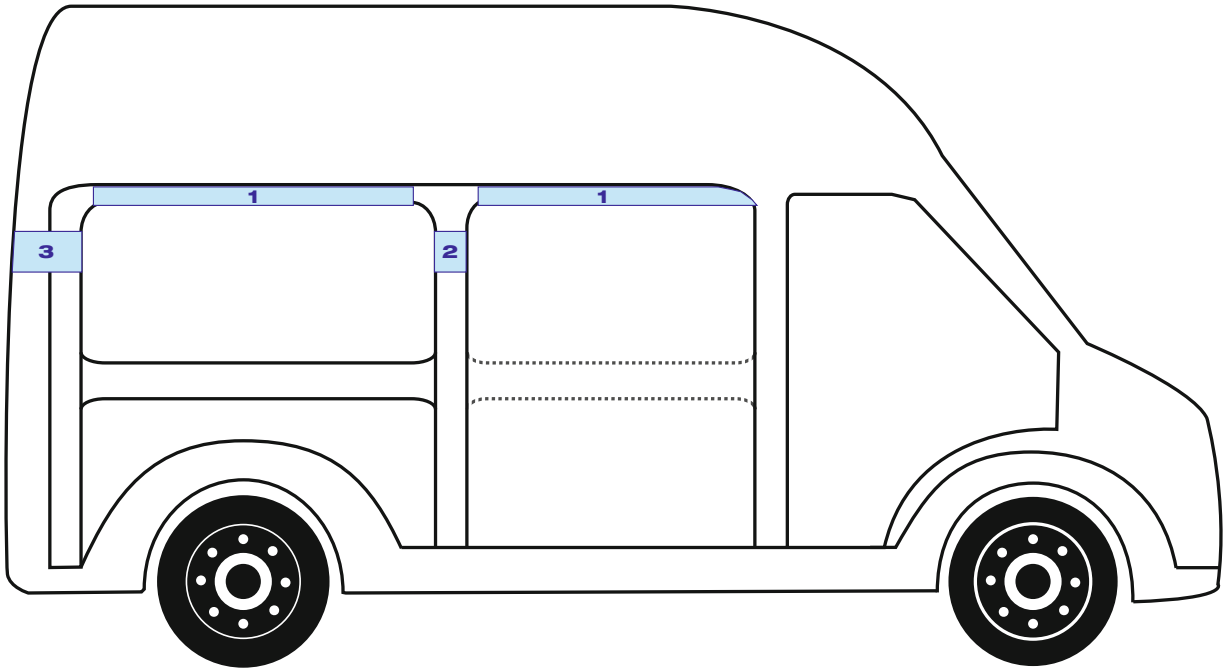
The vehicle manufacturer’s body fitting guidelines must be adhered to and AMF-Bruns original parts need to be used for the installation!



Vehicle Model without Trim	Area	Assembly material mounting rail 1 m	Assembly material mounting rail 3 m	Mounting rail 1 m	Mounting rail 3 m
Peugeot Boxer / Fiat Ducato / Citroen Jumper	4	1001 9571	1001 9572	H150 132	H150 136
Ford Transit F7 (V363)	4	1001 9578	1001 9579	H150 132	H150 136
Nissan NV400 / Opel Movano / Renault Master	4	1001 9578	1001 9579	H150 132	H150 136
Volkswagen Crafter / Mercedes-Benz Sprinter	4	1001 9680	1001 9681	H150 132	H150 136
Volkswagen T5 / T6	4	1001 9578	1001 9579	H150 132	H150 136

Protektor
Assembly Kits

SINGLE POINT SOLUTION



Vehicle Model	Area	Part No. with Trim	Part No. without Trim
Peugeot Boxer/ Fiat Ducato / Citroen Jumper	1	1001 9565	1001 9564
	2	1001 9564	1001 9564
	3	1001 9563	1001 9562
Ford Transit F7 (V363)	1	1001 9665	1001 9665
	2	1001 9574	1001 9574
	3	1001 9564	1001 9564
Ford Transit Custom	1	1001 9564	1001 9564
	2	1001 9573	1001 9573
	3	1001 9574	1001 9574
Mercedes-Benz Vito	1	-	-
	2	1001 9679	1001 9679
	3	1001 9678	1001 9679
Volkswagen Crafter / Mercedes-Benz Sprinter	1	1001 9676	1001 9676
	2	-	-
	3	-	-
Nissan NV300 / Opel Vivaro / Renault Trafic	1	1001 9564	1001 9564
	2	1001 9564	1001 9564
	3	1001 9574	1001 9574
Nissan NV400 / Opel Movano / Master	1	1001 9577	1001 9576
	2	1001 9564	1001 9564
	3	1001 9562	1001 9562
Volkswagen T5/T6	1*	1001 9574	1001 9574
	2	1001 9574	1001 9574
	3**	1001 9574	1001 9574

* Only Transporter and Kombi
** Not available for T6. Coming soon.

Protektor Test Vehicle Matrix

The following vehicles have been tested according to DIN75078-2 : 1999-10 and 2005/41/EC (76/115/EC), 2007/46 EG commission regulation 214/2014 annex XI appendix 3, FMVSS/CMVSS section 571.210, Title 49 Part 38/8/d ADA, by TÜV for the installation of the shoulderbelt.

VEHICLE MODEL	ITEM CODE	RAIL	TÜV	FIXED POINTS	TÜV
Citroën Relay / Jumper	Y	Yes	WE07387	Yes	WE07387
Fiat Ducato	250	Yes	WE07387	Yes	WE07387
Ford Transit	FA/FD	-	-	Yes	WE06134
LDV Maxus	LD100	Yes	WE07382	Yes	WE07382
Mercedes-Benz Vito	638/639	-	-	Yes	WE15.2747
Mercedes-Benz V-Class	638/639	-	-	Yes	WE15.2747
Mercedes-Benz Sprinter	906	Yes	WE06134	Yes	WE06134
Nissan Primastar	x83 F4/J4	-	-	Yes	WE06134
Nissan Interstar	x62 M1/M9	Yes	WE11.1574	Yes	WE11.1574
Peugeot Boxer	Y	Yes	WE07387	Yes	WE07387
Renault Trafic	x83 FL/JI	-	-	Yes	WE06134
Renault Master	x70 FD/JD	Yes	WE06325	Yes	WE06325
Renault Master	x62 MA/MF/ML/MW	Yes	WE11.1574	Yes	WE11.1574
Vauxhall/Opel Vivaro	x83 F7/J7	-	-	Yes	WE06134
Vauxhall/Opel Movano	x70 FD/JD	Yes	WE06325	Yes	WE06325
Vauxhall/Opel Movano	x62 MR/MW	Yes	WE11.1574	Yes	WE11.1574
VW T5/T6 Transporter/Caravelle	7H	-	-	Yes	WE06134
VW Crafter	2E	Yes	WE06134	Yes	WE06134

The above dimensions are meant for guidance only, please check with the respective vehicle manufacturers specifications before use.

AMF-Bruns and / or its associated companies cannot be held responsible for any errors e. & o. e.

If your vehicle is not stated in the above list please contact AMF-Bruns for further information.

FutureSafe Head & Back Rest



With the easy to use head- and backrest **FUTURESAFE®**, AMF-Bruns is setting a new standard of safety.

Various crashtests show clearly:
FUTURESAFE® ensures the highest level of safety in case of a rear impact.

On the top of this the integrated shoulderbelt ensures the essential safety in case of a front impact.

FUTURESAFE® - The only incorporated safety system with head- and backrest.

Available as floor and sidewall mounted solution.

FutureSafe Head & Back Rest

SHOULDERBELT ANCHORAGE POINTS

Tested according to DIN75078-2 : 1999-10 and 2005/41/EC (76/115/EC).

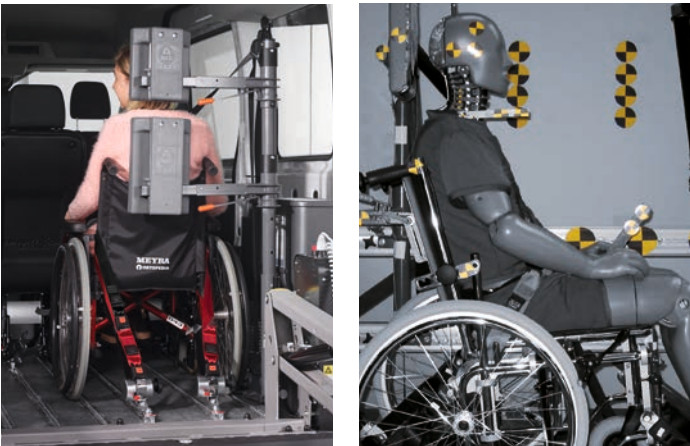
VEHICLE MODEL	ITEM CODE MOUNTED	FLOOR	TÜV	WALLMOUNTED	TÜV
Citroën Relay / Jumper	Y	Yes	WE07413	Yes	WE07485
Fiat Ducato	250	Yes	WE07413	Yes	WE07485
Ford Transit	FA/FD	Yes	WE07413	Yes	WE08606
LDV Maxus	LD100	Yes	WE07413	Yes	WE07485
Mercedes-Benz Vito	638/639	Yes	WE07413	-	-
Mercedes-Benz Viano	638/639	Yes	WE07413	-	-
Mercedes-Benz Sprinter	906	Yes	WE07413	Yes	WE07486
Nissan Primastar	x83 F4/J4	Yes	WE07413	-	-
Nissan Interstar	x62 M1/M9	Yes	WE07413	-	-
Nissan Interstar	x70 F3/J3	Yes	WE07413	Yes	WE07485
Peugeot Boxer	Y	Yes	WE07413	Yes	WE07485
Renault Trafic	x83 FL/JI	Yes	WE07413	-	-
Renault Master	x70 FD/JD	Yes	WE07413	Yes	WE07485
Renault Master	x62 MA/MF/ML/MW	Yes	WE07413	-	-
Vauxhall/Opel Vivaro	x83 F7/J7	Yes	WE07413	-	-
Vauxhall/Opel Movano	x70 FD/JD	Yes	WE07413	Yes	WE07485
Vauxhall/Opel Movano	x62 MR/MW	Yes	WE07413	-	-
VW T5/T6 Transporter/Caravelle 7H		Yes	WE07413	-	-
VW Crafter	2E	Yes	WE07413	Yes	WE07486

The above dimensions are meant for guidance only, please check with the respective vehicle manufacturers specifications before use.

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FutureSafe Head & Back Rest



FutureSafe
AMF-Bruns provides tested head and back rest for wheelchair users. Only AMF-BRUNS possesses patented 20G front impacted & 10G rear impacted head & back supports.

- Maximum confidence
- Reliable, space-saving and comfortable
- Complies with dynamic crash-tests (Euro-NCAP 10G rear-end collision)
- Suitable for minibuses and cut floor vehicles
- Includes approved integrated 2-point shoulder belt
- Height-adjustable – fits different wheelchairs
- Easy to handle in the vehicle
- Separate, 180° rotatable head- and back support
- Optional: On lockable for Smartfloor application (easy removeable)
- The FutureSafe floormounted i.c.w. Smartfloor is a TÜV tested solution for shoulderbelt use.

ITEM CODE	ITEM NAME	
10019544	FutureSafe	Floor mounted left, Shoulder belt without height adjustable
10019543	FutureSafe	Floor mounted left, Shoulder belt with height adjustable
10019546	FutureSafe	Floor mounted right, Shoulder belt without height adjustable
10019545	FutureSafe	Floor mounted right, Shoulder belt with height adjustable
10019547	FutureSafe	Wall mounted left
10019548	FutureSafe	Wall mounted right
10011173	FutureSafe	Quick lock AMF lockable for Smartfloor application
10011097	FutureSafe	Lockable for wall mounting

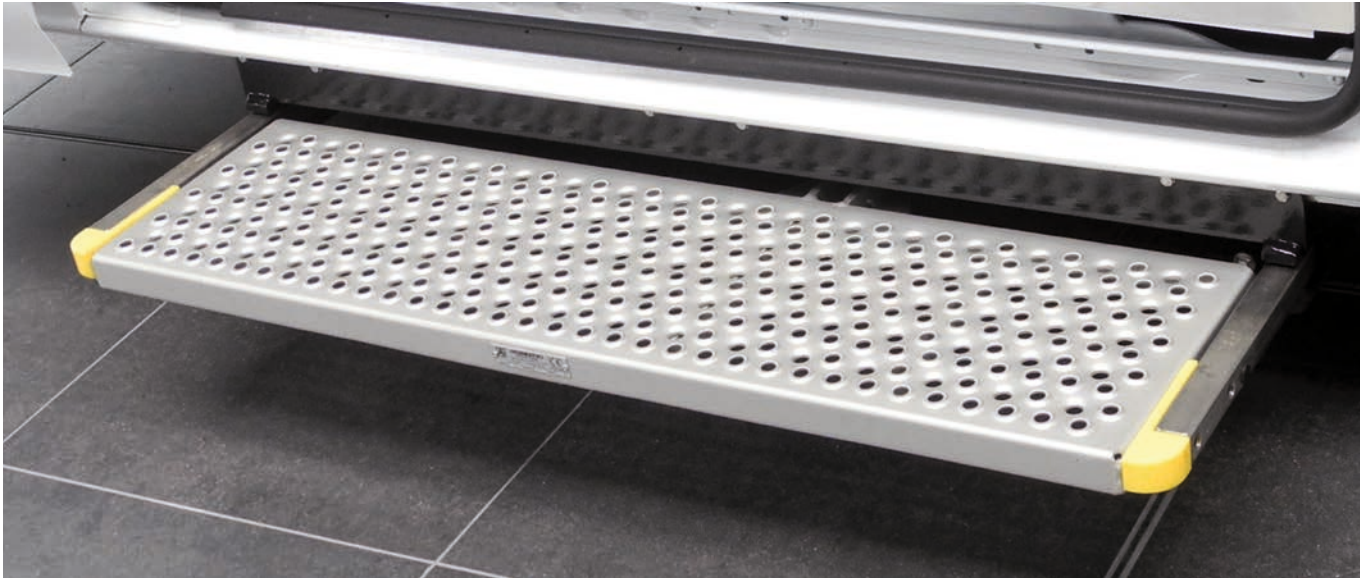


Steps
Electric Side Step

Electric side step

Operation via switch in the B-pillar of the sliding door. The switch cannot be reached while driving.
Design: perforated aluminum sheet (slip resistance R15) with stainless steel guide, absolutely weatherproof.

- Audible alarm with extended side step
- Also available as a fully automatic side step. Side step runs automatically when opening or closing the side door.
- Load capacity 150 kg



Steps
Electric Side Step

Model	Item Code	Vehicle type	Wheelbase			Drive		Step depth	Step width	Total width	Weight
			LWB	MWB	SWB	RWD	FWD				
FS	H20070	Ford Transit	x	x		x	x	290 mm	1060 mm	1150 mm	26 kg
	H20075	Mercedes Benz Sprinter	x	x		x					
		Volkswagen Crafter	x	x		x					
F3	H20069	Ford Transit			x	x	x	290 mm	810 mm	900 mm	23 kg
		Ford Transit Custom	x		x		x				
		Renault Master (from Model 2010)	x	x	x		x				
		Opel Movano (from Model 2010)	x	x	x		x				
	H20074	Mercedes Benz Sprinter			x	x					
		Volkswagen Crafter			x	x					
B	H20068	Peugeot Boxer	x	x			x	290 mm	810 mm	900 mm	22 kg
		Citröen Jumper	x	x			x				
		Fiat Ducato	x	x			x				
M	H20067	Renault Master (until Model 2010)	x	x			x	290 mm	810 mm	900 mm	22 kg
		Opel Movano (until Model 2010)	x	x			x				
T5/T6	H20064	Volkswagen T5/T6	x		x		x	290 mm	810 mm	900 mm	22 kg
VT	H20063	Opel Vivaro	x		x		x	290 mm	810 mm	900 mm	20 kg
		Renault Trafic	x		x		x				
V3	H20062	Mercedes Benz Vito	x	x	x	x		290 mm	810 mm	900 mm	22 kg
		Mercedes Benz Viano	x	x	x	x					
U	H20058	Universal	Fitting kit not included					290 mm	810 mm	900 mm	21 kg
M2	H20060	Sprinter M2 (side front door)	x	x	x	x	x	290 mm	440 mm	526 mm	15 kg
		Volkswagen Crafter (side front door)	x	x	x	x	x	290 mm	440 mm	526 mm	15 kg

ATTENTION! Electric step for Ford Transit with auxiliary heater is not available!
Electric step for Mercedes-Benz Sprinter and Volkswagen Crafter 4x4 ist not available!

OPTIONAL

H 20065 Automatic operation for electric step

Steps
Telescopic fold-out step for the side loading door

Closes the entire entry step when folded up thus creating additional floor space for a wheelchair.

- Easy and fast handling
- Non-slip ribbed surface
- Absolutely noise-free while driving
- Load capacity 150 kg
- Manual handed operation

Item code	Vehicle type	Wheelbase			Drive		Step depth	Step width	Total width	Weight
		LWB	MWB	SWB	RWD	FWD				
H20080	Mercedes Benz Sprinter	x	x		x		180 mm	1190 mm	1310 mm	18 kg
	Volkswagen Crafter	x	x		x					
H20081	Mercedes Benz Sprinter			x	x		180 mm	770 mm	890 mm	15 kg
	Volkswagen Crafter			x	x					
H20085	Volkswagen T5/T6, only Transporter	x		x		x	140 mm	820 mm	940 mm	8 kg



Steps
Fixed step for side loading door

Step with general Vehicle Type approval (ABE). Installation without TÜV approval!

- Easy to install
- Robust steel construction, slip resistance R15
- Weatherproof
- Easy entry process
- No electrical connection required
- Load capacity 150 kg

Item code	Vehicle type	Wheelbase			Drive		Step depth	Step width	Total width	Weight
		LWB	MWB	SWB	RWD	FWD				
200166352	Ford Transit old			x	x	x	190 mm	1160 mm	1180 mm	17 kg
200185429	Ford Transit Custom	x		x		x				17 kg
200167056	Volkswagen T5/T6	x		x		x				15 kg
200167018	Peugeot Boxer	x	x	x		x				15 kg
200167018	Citröen Jumper	x	x	x		x				15 kg
200167018	Fiat Ducato	x	x	x		x				15 kg
200167159	Mercedes Sprinter			x	x					19 kg
200167159	Volkswagen Crafter			x	x					19 kg
200166269	Ford Transit	x	x		x	x	190 mm	1450 mm	1480 mm	19 kg
200167109	Mercedes Sprinter	x	x		x					21 kg
200167109	Volkswagen Crafter	x	x		x					21 kg
200170168	Mercedes Sprinter / Sidebar	x	x		x		190 mm	1160 mm	1180 mm	19 kg
200170168	Volkswagen Crafter / Sidebar	x	x		x					19 kg
200312836	Ford Transit new			x	x	x	190 mm	1160 mm	1180 mm	17 kg



Lowering Suspension Systems
Rear lowering suspension for accessible vehicles



TECHNICAL DATA

- » Raising / lowering mechanism Powerful, low noise 12V hydraulic power unit
- » Drive Electro-hydraulic from the vehicle battery
- » Lowering control Rocker switch in the rear of the vehicle
- » Raising control Automatically when rear door is being closed

OPTIONAL

Ramps in different sizes (see ramps)

Lowering Suspension Systems
Rear lowering suspension for accessible vehicles



Vehicle ready for departure (standard height).



Lowered vehicle.

ITEM CODE	VEHICLE MODEL	INCLUDING
H4126	Citröen Jumper	Hydraulic kit for lowerings suspension - without Ramp
H4146	Fiat Ducato	Hydraulic kit for lowerings suspension - without Ramp
H4046	Ford Transit, FWD	Hydraulic kit for lowerings suspension - without Ramp
H4036	Mercedes-Benz Sprinter	Hydraulic kit for lowerings suspension - without Ramp without towers inside the compartment
H4076	Opel Movano	Hydraulic kit for lowerings suspension - without Ramp
H4136	Peugeot Boxer	Hydraulic kit for lowerings suspension - without Ramp
H4076	Renault Master	Hydraulic kit for lowerings suspension - without Ramp
H4016	Volkswagen Crafter	Hydraulic kit for lowerings suspension - without Ramp, without towers inside the compartment
H4004	Volkswagen T5/T6	Hydraulic kit for lowerings suspension - without Ramp

Ramps
Telescopic Channel Ramp

When required the ramps are positioned on the edge of the vehicle door. Roll the wheelchair over the ramps into the vehicle. This can be an empty wheelchair as well as one carrying an occupant. When not needed, the telescopic aluminum ramps can be conveniently stored in the vehicle. It should be noted that the ramps are extremely light and can be carried in much the same way, for example, as a carrier bag by the handles on the side.

SPECIFICATION

- » Easy handling
- » Robust construction
- » Super-lightweight due to special aluminium profile (anti-slip R11)
- » Collapsible to handy dimensions
- » Suitable for all vehicles
- » Mounting to side loading door or rear door
- » Easy to carry due to grab handles



TECHNICAL DATA

- » SWL Up to 150 kg each Ramp
- » Length (collapsed) 1 m
- » Length (extended) 2 m
- » Unladen weight Approx. 12 kg

ITEM CODE ITEM NAME LENGTH

H 20090 Telescopic Ramp 2 m

Ramps
Euroramp



SPECIFICATION

- » Aluminum
- » Foldable in centre
- » Fitted with quick locking system
- » Robust: 20G collision-tested
- » Single hand operation
- » Easy operation with two handles and gas strut supported
- » Non slip surface
- » Single hand operation

TECHNICAL DATA

- » Material Aluminium
- » Design Foldable in centre
- » Mounting 4 quick-release bolts
- » Stability Tested with 20G frontal crash
- » Weight 35 kg – 55 kg, depending on ramp size
- » Operation Easy to deploy and stow via 2 handles, gas strut supported
- » SWL Depending on design, please refer to dimension sheet

OPTIONAL

- » 90° opening
- » extra support 200 kg capacity increase

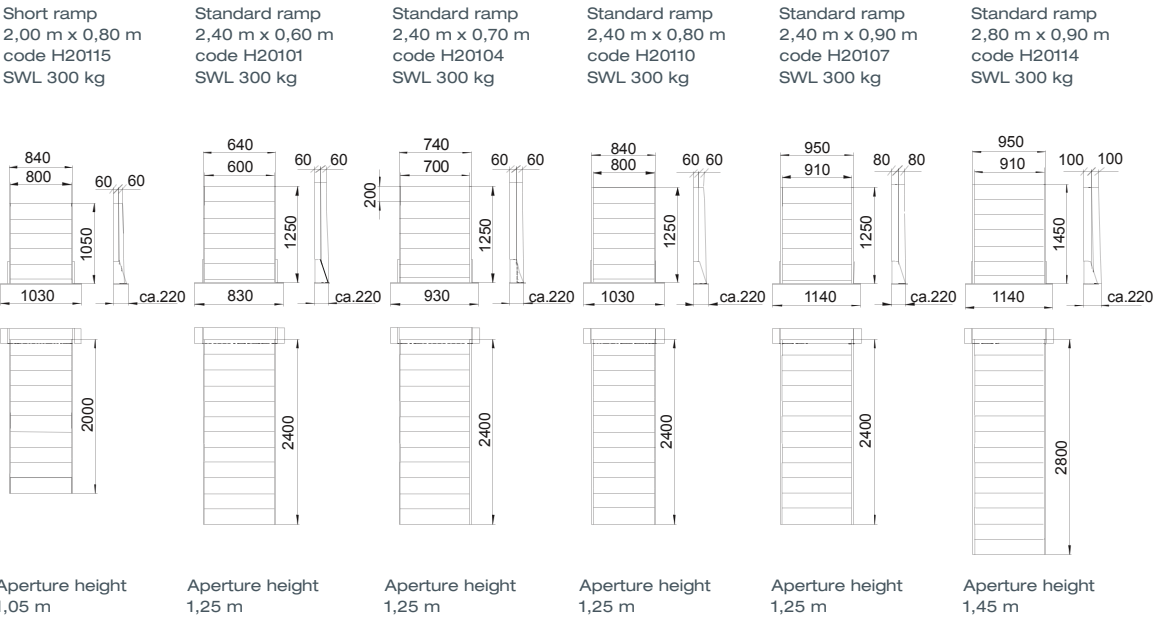
Ramps
Euroramp

Item Code	description	dimension	load
H20105	Standard Ramp (only with lowering suspension)	1.60 m x 0.90 m	300 kg
H20115	Standard Ramp	2.00 m x 0.80 m	300 kg
H20101	Standard Ramp	2.40 m x 0.60 m	300 kg
H20104	Standard Ramp	2.40 m x 0.70 m	300 kg
H20110	Standard Ramp	2.40 m x 0.80 m	300 kg
H20107	Standard Ramp	2.40 m x 0.90 m	300 kg
H20114	Standard Ramp	2.80 m x 0.90 m	300 kg
On request	Standard Ramp with 90° opening facility		
On request	Standard Ramp with extra support (200 kg capacity increase, 500 kg total load)		



90° opening facility

Extra support



Cut Out Floor Conversion Kits
Conversion Kit for VW Caddy / VW Caddy Maxi

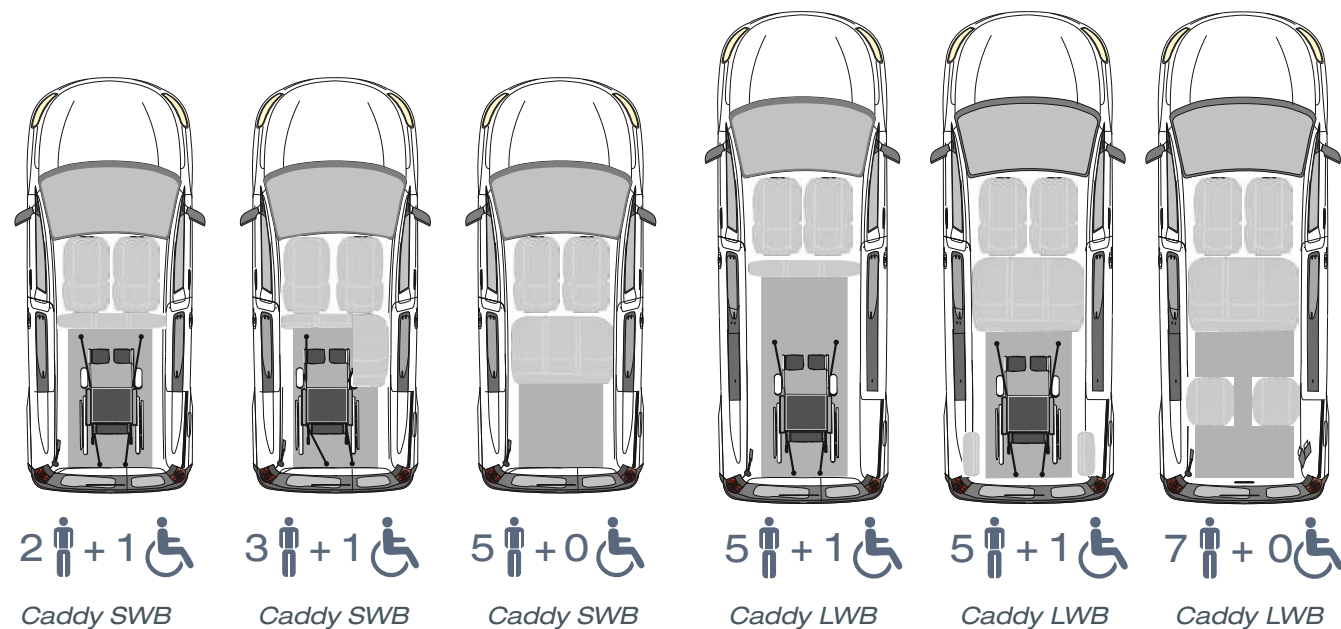


Cut Out Floor Conversion Kits

Conversion Kit for VW Caddy / VW Caddy Maxi



SEATING*



* May vary depending on wheelchair size

SPECIFICATION

- » The vehicle conversion undertaken by AMF-BRUNS provides generous space for a wheelchair.
- » There are thousands of AMF-BRUNS lowering systems in operation offering optimum safety and reliability. The proven integral components have been tried and tested daily over more than 30 years.
- » The original stabiliser and fuel tank remain intact.

Cut Out Floor Conversion Kits

Conversion Kits for Caddy / VW Caddy Maxi

TECHNICAL DATA

- » Wheel chair area dimensions
 - Rear entrance height approx. 1400 mm
 - Interior height approx. 1450 mm
 - Interior floor width approx. 800 mm
 - Interior floor length approx. 1300 mm

OPTIONAL

- » Lowering Suspension
 - » **EASYFLEX RAMP**
- » **FUTURESAFE**

TECHNICAL DATA LOWERING SUSPENSION (OPTIONAL)

- » Lowering system
 - Strong, low-noise power pack, 12V
- » Actuator
 - Electro hydraulic from battery
- » Ramp
 - Aluminium with anti-slip surface, gas strut supported
- » Lowering operation
 - Via rocker switch in the rear
- » Lifting operation
 - Automatically when rear door is being closed
- » Wheel chair area dimensions
 - Rear entrance height approx. 1400 mm
 - Interior height approx. 1450 mm
 - Interior floor width approx. 800 mm
 - Interior floor length approx. 1300 mm

VEHICLE MODEL	INCLUDING	SPECIFICATION	
VW Caddy (Maxi) Diesel (Please note Standard or Maxi)	Hydraulic kit Metal parts Ramp Assembly kit	790 mm	1)
VW Caddy (Maxi) Diesel (Please note Standard or Maxi)	Metal parts Ramp Assembly kit	790 mm	1)
VW Caddy (Maxi) Petrol (Please note Standard or Maxi)	Hydraulic kit Metal parts Ramp Assembly kit	790 mm	1)
VW Caddy (Maxi) Petrol (Please note Standard or Maxi)	Metal parts Ramp Assembly kit	790 mm	1)

EASYFLEX Ramp for folding the ramp to the front. *Optional for the above Kits*

1) Due to a change of the fitting of the fuel tank is possible that there is a inaccuracy in the fuel gauge reading.

Cut Out Floor Conversion Kits

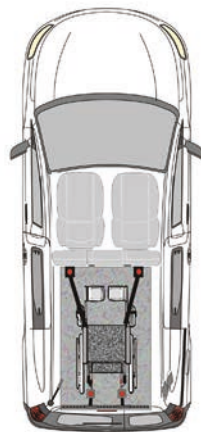
Conversion Kit for Dacia Dokker



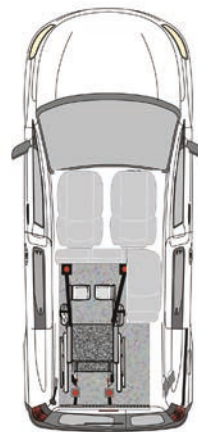
Dacia Dokker

The Dacia Dokker model provides seating for up to three persons (driver, co-driver, the original rear seating) and space for a wheelchair.

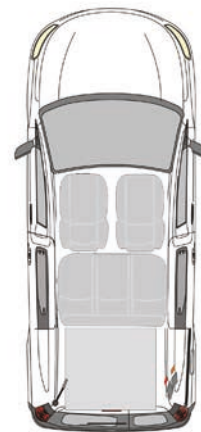
SEATING*



2 + 1



3 + 1



5 + 0

* May vary depending on wheelchair size

SPECIFICATION

- » The vehicle conversion undertaken by AMF-BRUNS provides generous space for a wheelchair.
- » There are thousands of AMF-BRUNS lowering systems in operation offering optimum safety and reliability. The proven integral components have been tried and tested daily over more than 30 years.
- » The original stabiliser and fuel tank remain intact.

Cut Out Floor Conversion Kits

Conversion Kits for Dacia Dokker



PRODUCT FILM

Click our product video



TECHNICAL DATA

- » Ramp: Aluminium with anti-slip surface, gas strut supported
- » Wheel chair area dimensions: Rear entrance height approx. 1400 mm
Interior height approx. 1450 mm
Interior floor width approx. 800 mm
Interior floor length approx. 1550 mm

OPTIONAL

» **EASYFLEX RAMP**

» **FUTURESAFE**

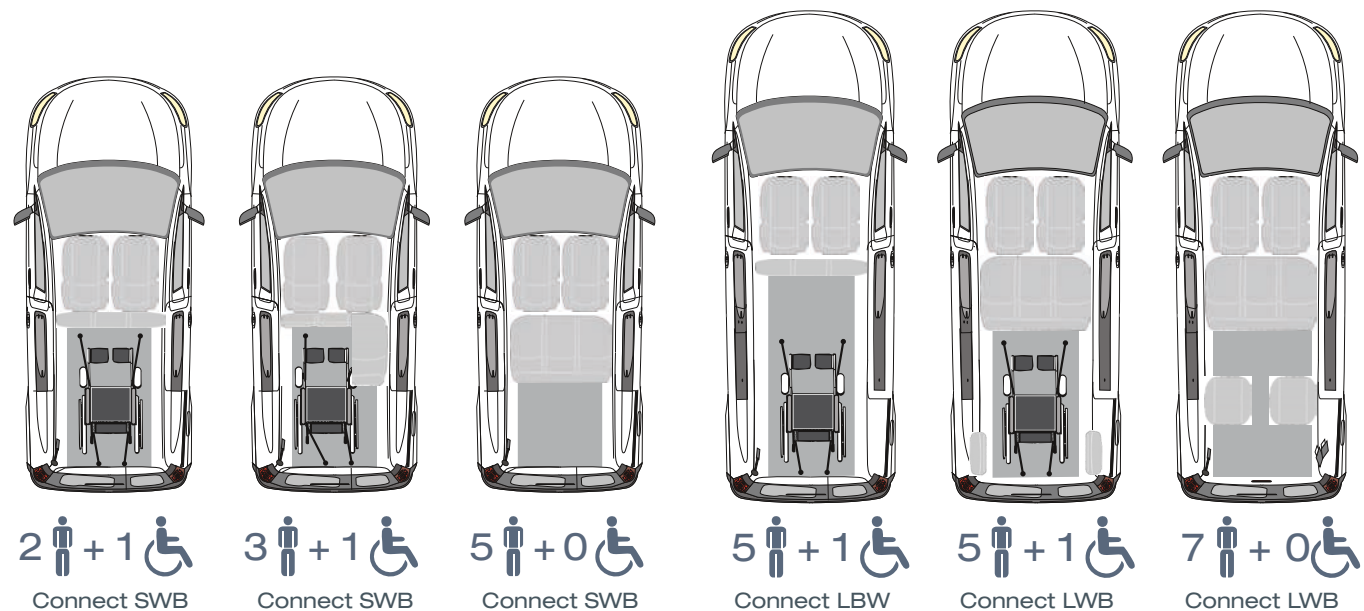
VEHICLE MODEL	INCLUDING	SPECIFICATION
Dacia Dokker	Metal Parts Ramp Assembly Kit	810 mm
EASYFLEX Ramp for folding the ramp to the front.	<i>Optional for the above Kit</i>	

Cut Out Floor Conversion Kits

Conversion Kit for Ford Transit Connect



SEATING*



* May vary depending on wheelchair size

SPECIFICATION

- » The vehicle conversion undertaken by AMF-BRUNS provides generous space for a wheelchair.
- » There are thousands of AMF-BRUNS lowering systems in operation offering optimum safety and reliability. The proven integral components have been tried and tested daily over more than 30 years.
- » The original stabiliser remain intact.

Cut Out Floor Conversion Kits

Conversion Kit for Ford Transit Connect



TECHNICAL DATA

- » Wheel chair area dimensions
Rear entrance height with twin door approx. 1.420 mm,
Rear entrance height with tailgate approx. 1.470 mm,
Interior height approx. 1.450 mm,
Interior floor width approx. 810 mm x length approx. 1.600 mm (LWB)

OPTIONAL

- » **EASYFLEX RAMP**
- » **FUTURESAFE**
- » Rotating seat left
- » Rotating seat right

VEHICLE MODEL	INCLUDING	SPECIFICATION	
Ford Transit Connect (Please note SWB or LWB)	Metal parts Ramp Assembly kit	790 mm	1) 2)
EASYFLEX Ramp for folding the ramp to the front.		<i>Optional for the above Kit</i>	

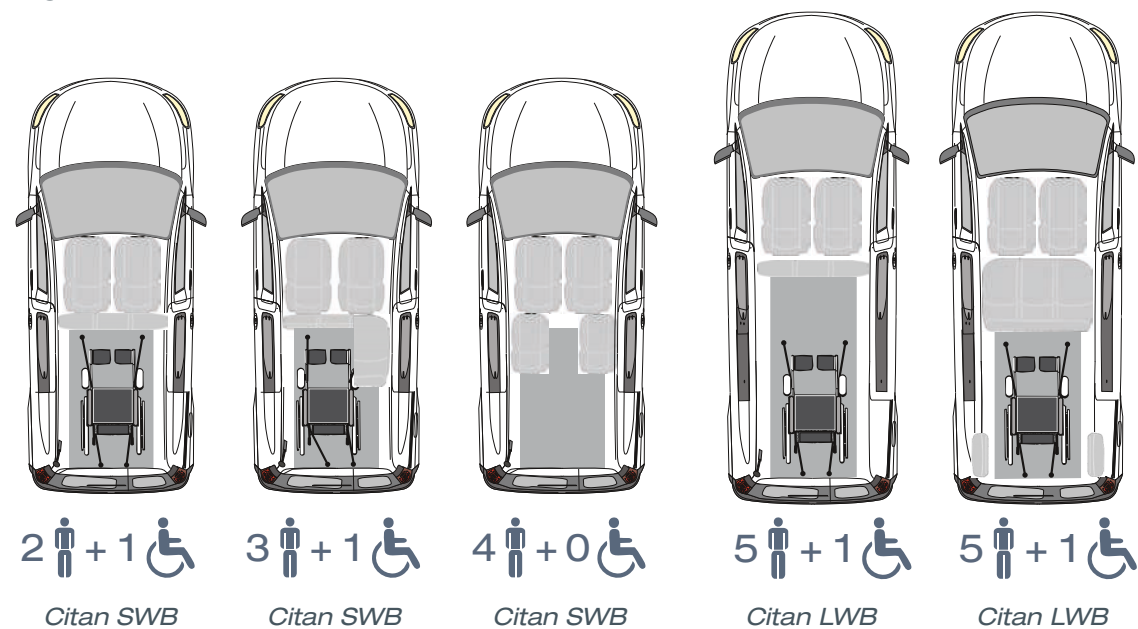
- 1) Caution: Technically it is not possible to get an exact measurement of the fuel gauge. Therefore it is wise to use the trip meter.
2) Due to a change of the fitting of the fuel tank is possible that there is an inaccuracy in the fuel gauge reading.

Cut Out Floor Conversion Kits

Conversion Kit for Mercedes-Benz Citan



SEATING*



* May vary depending on wheelchair size

SPECIFICATION

- » The vehicle conversion undertaken by AMF-BRUNS provides generous space for a wheelchair.
- » There are thousands of AMF-BRUNS lowering systems in operation offering optimum safety and reliability. The proven integral components have been tried and tested daily over more than 30 years.
- » The original stabiliser remain intact.

Cut Out Floor Conversion Kits

Conversion Kits for Mercedes-Benz Citan

TECHNICAL DATA

- » Wheel chair area dimensions
 - Rear entrance height approx. 1400 mm
 - Interior height approx. 1450 mm
 - Interior floor width approx. 800 mm
 - Interior floor length approx. 1300 mm

OPTIONAL

- » Lowering Suspension
 - » Two single seats
- » FUTURES**SAFE**

TECHNICAL DATA LOWERING SUSPENSION (OPTIONAL)

- » Lowering system
 - Strong, low-noise power pack, 12V
- » Actuator
 - Electro hydraulic from battery
- » Ramp
 - Aluminium with anti-slip surface, gas strut supported
- » Lowering operation
 - Via rocker switch in the rear
- » Lifting operation
 - Automatically when rear door is being closed
- » Wheel chair area dimensions
 - Rear entrance height approx. 1400 mm
 - Interior height approx. 1450 mm
 - Interior floor width approx. 800 mm
 - Interior floor length approx. 1300 mm

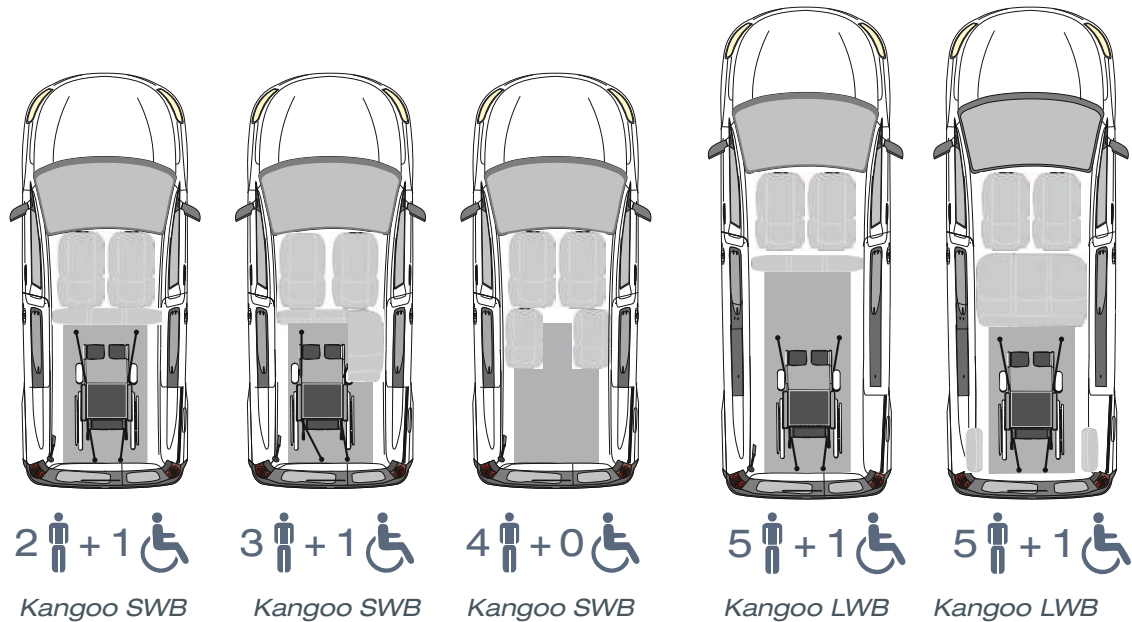
ITEM CODE	VEHICLE MODEL	INCLUDING	SPECIFICATION	
H2539	MB Citan	Metal Parts Ramp Assembly Kit Fuel Tank	835 mm	2)
H2538	MB Citan	Hydraulic Kit Metal Parts Ramp Assembly Kit Fuel Tank	835 mm	2)
10012164	single seat MB Citan left			
10012165	single seat MB Citan right			

1) Caution: Technically it is not possible to get an exact measurement of the fuel gauge. Therefore it is wise to use the trip meter.
2) Due to a change of the fitting of the fuel tank is possible that there is a inaccuracy in the fuel gauge reading.

Cut Out Floor Conversion Kits
Conversion Kit for Renault Kangoo



SEATING*



* May vary depending on wheelchair size

SPECIFICATION

- » The vehicle conversion undertaken by AMF-BRUNS provides generous space for a wheelchair.
- » There are thousands of AMF-BRUNS lowering systems in operation offering optimum safety and reliability. The proven integral components have been tried and tested daily over more than 30 years.
- » The original stabiliser remain intact.

Cut Out Floor Conversion Kits
Conversion Kits for Renault Kangoo

TECHNICAL DATA

- » Wheel chair area dimensions
 - Rear entrance height approx. 1400 mm
 - Interior height approx. 1450 mm
 - Interior floor width approx. 800 mm
 - Interior floor length approx. 1300 mm

OPTIONAL

- » Lowering Suspension
- » FUTURESAFE

TECHNICAL DATA LOWERING SUSPENSION (OPTIONAL)

- » Lowering system
 - Strong, low-noise power pack, 12V
- » Actuator
 - Electro hydraulic from battery
- » Ramp
 - Aluminium with anti-slip surface, gas strut supported
- » Lowering operation
 - Via rocker switch in the rear
- » Lifting operation
 - Automatically when rear door is being closed
- » Wheel chair area dimensions
 - Rear entrance height approx. 1400 mm
 - Interior height approx. 1450 mm
 - Interior floor width approx. 800 mm
 - Interior floor length approx. 1300 mm

ITEM CODE	VEHICLE MODEL	INCLUDING	SPECIFICATION
H2579	Renault Kangoo	Hydraulic kit Fuel tank Metal parts Ramp Assembly kit	835 mm 1) 2)
H2577	Renault Kangoo	Fuel tank Metal parts Ramp Assembly kit	835 mm 1) 2)
10012164	single seat Renault Kangoo left		
10012165	single seat Renault Kangoo right		

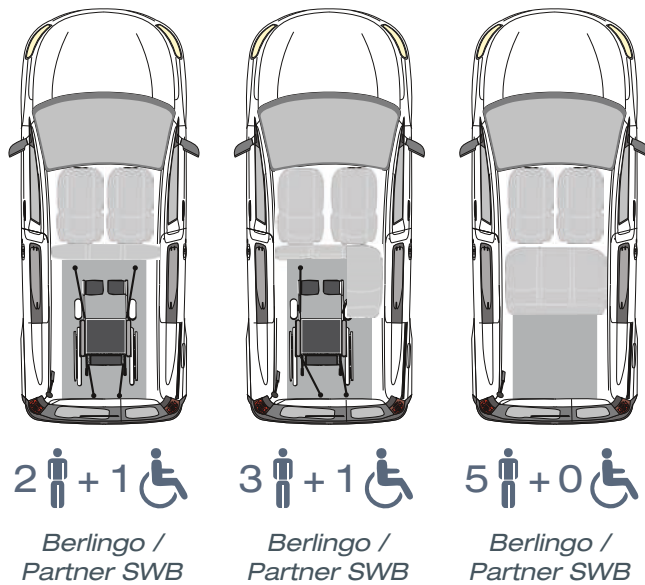
1) Caution: Technically it is not possible to get an exact measurement of the fuel gauge. Therefore it is wise to use the trip meter.
2) Due to a change of the fitting of the fuel tank is possible that there is a inaccuracy in the fuel gauge reading.

Cut Out Floor Conversion Kits

Conversion Kit for Citröen Berlingo / Peugeot Partner



SEATING*



* May vary depending on wheelchair size

SPECIFICATION

- » The vehicle conversion undertaken by AMF-BRUNS provides generous space for a wheelchair.
- » There are thousands of AMF-BRUNS lowering systems in operation offering optimum safety and reliability. The proven integral components have been tried and tested daily over more than 30 years.
- » The original stabiliser and fuel tank remain intact.

Cut Out Floor Conversion Kits

Conversion Kits for Citröen Berlingo / Peugeot Partner

TECHNICAL DATA

- | | |
|-------------------------------|---|
| » Wheel chair area dimensions | Rear entrance height approx. 1400 mm
Interior height approx. 1450 mm
Interior floor width approx. 770 mm
Interior floor length approx. 1300 mm |
|-------------------------------|---|

OPTIONAL

- » Lowering Suspension
- » FUTURES**SAFE**

TECHNICAL DATA LOWERING SUSPENSION (OPTIONAL)

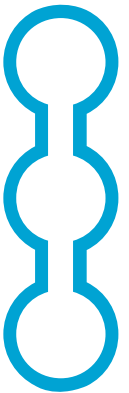
- | | |
|-------------------------------|---|
| » Lowering system | Strong, low-noise power pack, 12V |
| » Actuator | Electro hydraulic from battery |
| » Ramp | Aluminium with anti-slip surface, gas strut supported |
| » Lowering operation | Via rocker switch in the rear |
| » Lifting operation | Automatically when rear door is being closed |
| » Wheel chair area dimensions | Rear entrance height approx. 1400 mm
Interior height approx. 1450 mm
Interior floor width approx. 770 mm
Interior floor length approx. 1300 mm |

ITEM CODE	VEHICLE MODEL	INCLUDING	SPECIFICATION
H2613	Citröen Berlingo	Hydraulic kit Metal parts Ramp Assembly kit	800 mm
H2614	Citröen Berlingo	Metal parts Ramp Assembly kit	800 mm
H2593	Peugeot Partner	Hydraulic kit Metal parts Ramp Assembly kit	800 mm
H2594	Peugeot Partner	Metal parts Ramp Assembly kit	800 mm

1) Caution: Technically it is not possible to get an exact measurement of the fuel gauge. Therefore it is wise to use the trip meter.
2) Due to a change of the fitting of the fuel tank is possible that there is a inaccuracy in the fuel gauge reading.



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SMART FL  **OR**
Flexibility inside

Smartfloor
Vehicle Matrix Overview

VEHICLE MODEL	WHEEL- BASE	FLOOR- LENGTH	FLOOR- WIDTH	FLOOR WIDTH ARCHES	SMARTFLOOR PROFILE LENGTH
Citroën Relay / Jumper SWB L1	3000	2670	1870	1422	3360
Citroën Relay / Jumper MWB L2	3450	3120	1870	1422	3360
Citroën Relay / Jumper LWB L3	4035	3705	1870	1422	3700
Citroën Relay / Jumper LWB xL L4	4035	4070	1870	1422	4500
Fiat Ducato SWB L1	3000	2670	1870	1422	3360
Fiat Ducato MWB L2	3450	3120	1870	1422	3360
Fiat Ducato LWB L3	4035	3705	1870	1422	3700
Fiat Ducato LWB xL L4	4035	4070	1870	1422	4500
Ford Transit Custom L1	2933	2555	1775	1390	3360
Ford Transit Custom L2	3300	2922	1775	1390	3360
Ford Transit MBW Model 2014	3300	3044	1782	1392	3360
Ford Transit LWB Model 2014	3750	3494	1782	1392	3700
Ford Transit xLWM Model 2014	3750	4217	1782	1392 / 1154	4500
Ford Transit SWB	2930	2582	1762	1390	3360
Ford Transit MWB	3300	2949	1762	1390	3360
Ford Transit LWB	3750	3399	1762	1390	3360
Ford Transit LWB Jumbo	3750	4107	1762	1390 / 1153	4500
Mercedes-Benz Sprinter SWB (MY06)	3250	2600	1780	1350 / 1228	3360
Mercedes-Benz Sprinter MWB (MY06)	3665	3265	1780	1350 / 1228	3360
Mercedes-Benz Sprinter LWB (MY06)	4325	4300	1780	1350 / 1228 / 978	4500
Mercedes Benz Sprinter xLWB (MY06)	4325	4700	1780	1350 / 1228 / 978	5500
Nissan Primastar SWB	3100	2400	1670	1268	3360
Nissan Primastar LWB	3500	2800	1670	1268	3360
Nissan Interstar SWB	3080	2710	1760	1380	3360
Nissan Interstar MWB	3580	3210	1760	1380	3360
Nissan Interstar LWB	4080	3710	1760	1380	3700
Boxer SWB L1	3000	2670	1870	1422	3360
Peugeot Boxer MWB L2	3450	3120	1870	1422	3360
Peugeot Boxer LWB L3	4035	3705	1870	1422	3700
Peugeot Boxer LWB xL L4	4035	4070	1870	1422	4500
Renault Trafic SWB	3100	2400	1670	1268	3360
Renault Trafic LWB	3500	2800	1670	1268	3360
Renault Master SWB MY 2010	3080	2710	1760	1380	3360
Renault Master MWB MY 2010	3580	3210	1760	1380	3360

Smartfloor
Vehicle Matrix Overview

VEHICLE MODEL	WHEEL- BASE	FLOOR- LENGTH	FLOOR- WIDTH	FLOOR WIDTH ARCHES	SMARTFLOOR PROFILE LENGT
Renault Master LWB MY 2010	4080	3710	1760	1380	3700
Renault Master xLWB L4 MY2010	4332	4370	1760	1080	4500
Vauxhall / Opel Vivaro SWB	3100	2400	1670	1268	3360
Vauxhall / Opel Vivaro LWB	3500	2800	1670	1268	3360
Vauxhall / Opel Movano SWB	3080	2710	1760	1380	3360
Vauxhall / Opel Movano MWB	3580	3210	1760	1380	3360
Vauxhall / Opel Movano LWB	4080	3710	1760	1380	3700
VW T5/T6 Transporter/Caravelle	3000	2543	1692	1244	3360
VW T5/T6 Transporter/Caravelle LWB	3400	2943	1692	1244	3360
VW Crafter SWB	3250	2600	1780	1350 / 1228	3360
VW Crafter MWB	3665	3265	1780	1350 / 1228	3360
VW Crafter LWB	4325	4300	1780	1350 / 1228 / 978	4500
VW Crafter LWB Maxi	4325	4700	1780	1350 / 1228 / 978	5500

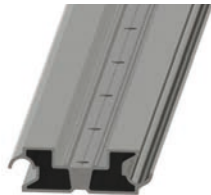
The above dimensions are meant for guidance only, please check with the respective vehicle manufacturers specifications before use. AMF-Bruns and / or its associated companies cannot be held responsible for any errors e. & o. e.

Smartfloor
Profiles

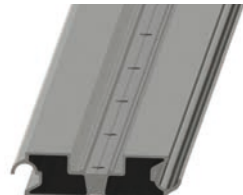
ITEM CODE	ITEM NAME	WIDTH	3.360 mm	4.500 mm	3.700 mm	5.500 mm
H 22001	Profile Smartfloor basic 78	78 mm	•			
H 22005	Profile Smartfloor basic 95	95 mm	•			
H 22006	Profile Smartfloor basic 234	234 mm	•			
H 22009	Profile Smartfloor basic 268	268 mm	•			
H 22007	Profile Smartfloor double basic 234 (156)	234 mm	•			
H 22008	Profile Smartfloor double basic 251 (173)	251 mm	•			
H 22010	Profile Smartfloor spacer 78	78 mm	•			
H 22015	Profile Smartfloor spacer 95	95 mm	•			
H 22020	Profile Smartfloor spacer 173	173 mm	•			
H 22021	Side profile Smartfloor left		•			
H 22022	Side profile Smartfloor right		•			
H 22025	Profile Smartfloor straight rail		•			
H 22030	Profile Smartfloor airline rail		•			
H 22035	Profile Smartfloor basic 78	78 mm		•		
H 22040	Profile Smartfloor basic 95	95 mm		•		
H 22043	Profile Smartfloor basic 234	234 mm		•		
H 22044	Profile Smartfloor basic 268	268 mm		•		
H 22041	Profile Smartfloor double basic 234 (156)	234 mm		•		
H 22042	Profile Smartfloor double basic 251 (173)	251 mm		•		
H 22045	Profile Smartfloor spacer 78	78 mm		•		
H 22050	Profile Smartfloor spacer 95	95 mm		•		
H 22055	Profile Smartfloor spacer 173	173 mm		•		
H 22056	Side profile Smartfloor left			•		
H 22057	Side profile Smartfloor right			•		
H 22060	Profile Smartfloor straight rail			•		
H 22065	Profile Smartfloor airline rail			•		
H 22201	Profile Smartfloor basic 78	78 mm			•	
H 22205	Profile Smartfloor basic 95	95 mm			•	
H 22206	Profile Smartfloor basic 234	234 mm			•	
H 22209	Profile Smartfloor basic 268	268 mm			•	
H 22207	Profile Smartfloor double basic 234 (156)	234 mm			•	
H 22208	Profile Smartfloor double basic 251 (173)	251 mm			•	
H 22210	Profile Smartfloor spacer 78	78 mm			•	
H 22215	Profile Smartfloor spacer 95	95 mm			•	
H 22220	Profile Smartfloor spacer 173	173 mm			•	
H 22225	Profile Smartfloor straight rail				•	

Smartfloor
Profiles

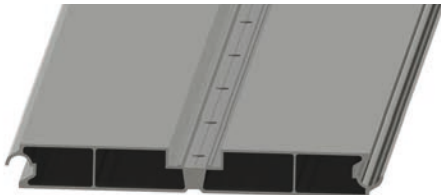
H 22230	Profile Smartfloor airline rail		•
H 22235	Profile Smartfloor basic 78	78 mm	•
H 22240	Profile Smartfloor basic 95	95 mm	•
H 22243	Profile Smartfloor basic 234	234 mm	•
H 22244	Profile Smartfloor basic 268	268 mm	•
H 22241	Profile Smartfloor double basic 234 (156)	234 mm	•
H 22242	Profile Smartfloor double basic 251 (173)	251 mm	•
H 22245	Profile Smartfloor spacer 78	78 mm	•
H 22250	Profile Smartfloor spacer 95	95 mm	•
H 22255	Profile Smartfloor Spacer 173	173 mm	•
H 22260	Profile Smartfloor straight rail		•
H 22265	Profile Smartfloor airline rail		•



Profile Smartfloor basic 78



Profile Smartfloor basic 95



Profile Smartfloor single basic 234



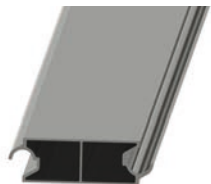
Profile Smartfloor single basic 268



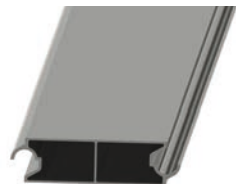
Profile Smartfloor double basic 234 (156)



Profile Smartfloor double basic 251 (173)



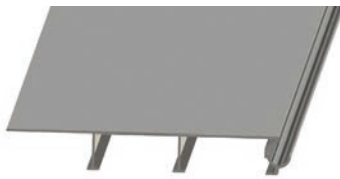
Profile Smartfloor spacer 78



Profile Smartfloor spacer 95



Profile Smartfloor spacer 173



Endprofile left



Endprofile right

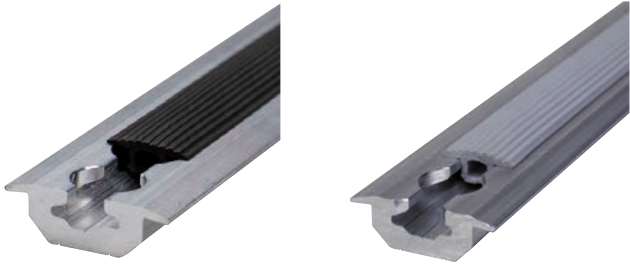


Profile Smartfloor airline rail



Profile Smartfloor straight rail

**Smartfloor
Rail Inserts**

ITEM CODE	ITEM NAME	LENGTH
		
	Cover strip rubber black	
	Cover strip rubber grey	
H150351	Cover strip rubber black	50 mtr
H150352	Cover strip rubber grey	50 mtr

Floor end cover strip stainless steel

ITEM CODE	ITEM NAME
10007174	Sprinter/Crafter
10007175	Transit (up to model 2014)



Miscellaneous

ITEM CODE	ITEM NAME	LENGTH
10002002	Bolt M10*25 A2 Stainless steel	25 mm
10003833	Bolt M10*60 A2 Stainless steel	60 mm
H22075	Assembly plugs	
H22080	Lock plate	



**Smartfloor
Useful Products**

ITEM CODE	ITEM NAME	CONTENT
10003487	Primer Sikaflex 206 G+P	1000 ml
10003486	Sikaflex 265	600 ml
10003489	Sika Cleaner 205	
10020774	Smartfloor dome sticker	



Smartfloor Floor Plans
 Mercedes-Benz Sprinter/ VW Crafter with wheelbase 3665 mm

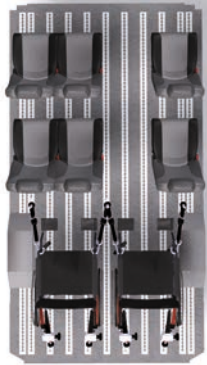
8 SEATS



8 seats



7 seats and 1 wheelchair



6 seats and 2 wheelchairs



4 seats and 3 wheelchairs



2 seats and 4 wheelchairs



4 wheelchairs

1

2

3

4

5

6

7

8

9

10

11

12

13

Smartfloor Floor Plans
 Mercedes-Benz Sprinter/ VW Crafter with wheelbase 3665 mm

6 SEATS AND 2 FOLDING SEATS



6 seats and 2 folding chairs



6 seats, 1 folding seat and 1 wheelchair



6 seats and 2 wheelchairs



4 seats and 3 wheelchairs



2 seats and 4 wheelchairs



4 wheelchairs

1

2

3

4

5

6

7

8

9

10

11

12

13

Smartfloor Floor Plans

Mercedes-Benz Sprinter/ VW Crafter with wheelbase 3665 mm

4 SEATS AND 4 FOLDING SEATS



4 seats and 4 folding chairs



4 seats, 2 folding seats and 1 wheelchair



4 seats and 2 wheelchairs



2 seats and 3 wheelchairs



4 wheelchairs

Smartfloor Floor Plans

Mercedes-Benz Sprinter/ VW Crafter with wheelbase 3665 mm

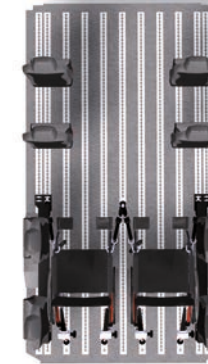
8 FOLDING SEATS



8 folding seats



6 folding seats and 1 wheelchair



4 folding seats and 2 wheelchair



2 folding seats and 3 wheelchairs



4 wheelchairs

Smartseats Vehicle Seats



Smartseats Smartleg



The Smartleg is especially designed for intensive use in passenger transport vehicles. Thanks to various spacers, the lightweight Smartleg can be suited to fit all rail widths in Smartfloors.

Smartlegs are easy to install underneath all types of seat from renowned European manufacturers. All seat legs can be delivered with a wheel at the back as an option to provide the highest possible convenience when having to change position or remove seats in wheelchair transport on a regular basis.

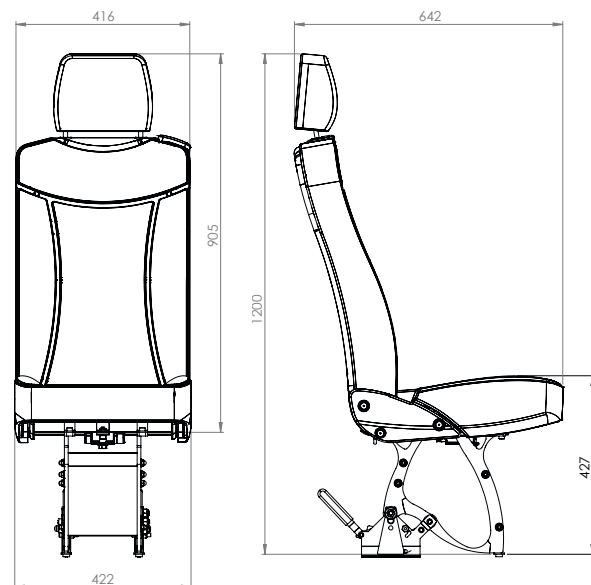
- Various spacers to suit every desired rail distance.
- Highly suitable for all M1 and M2 seat types
- Smartleg can be delivered separately or with mounted spacer
- TNO tested on Smartfloor floors in combination with M2 seats
- Optional wheel at the back for easy manoeuvring in and out of the vehicle
- Robust lightweight construction
- Mounting parts can be delivered as a separate option
- Also available with folding mechanism



Smartseats
Smartseat Easy M1



- The Smartseat Easy M1 is designed for maximum passenger comfort and maximum commercial flexibility.
- Fixed or reclining backrest
 - Integral 3-point seat belt
 - Available in left-hand belt and right-hand belt models
 - M1 tested and approved by RDW, according to the newest regulation UN/ECE R14, R16, R17, FMVSS/CMVSS 207, 210
 - Optional armrest
 - Various upholstery options available (including artificial leather)
 - Equipped with quick-release Smartleg supports
 - Easy to clean
 - ABS back panel



Smartseats
Smartseat Easy M1

ITEM CODE	ITEM NAME	SHOULDER BELT
10018981	Smartseat Easy Tunja	left
10018982	Smartseat Easy Tunja	right
10018983	Smartseat Easy Tasamo	left
10018984	Smartseat Easy Tasamo	right
10020952	Smartseat Easy Ford Trend	left
10020953	Smartseat Easy Ford Trend	right
10018987	Smartseat Easy Grey artificial leather	left
10018988	Smartseat Easy Grey artificial leather	right
10018989	Smartseat Easy Carmat Code*	left
10018990	Smartseat Easy Carmat Code *	right
10018991	Smartseat Easy Tunja	reclining left
10018992	Smartseat Easy Tunja	reclining right
10018993	Smartseat Easy Tasamo	reclining left
10019025	Smartseat Easy Tasamo	reclining right
10020954	Smartseat Easy Ford Trend	reclining left
10020955	Smartseat Easy Ford Trend	reclining right
10018996	Smartseat Easy Grey artificial leather	reclining left
10018997	Smartseat Easy Grey artificial leather	reclining right
10018998	Smartseat Easy Carmat Code*	reclining left
10018999	Smartseat Easy Carmat Code*	reclining right

OPTIONS		
10020760	Armrest left for Smartseat, preassembled	left
10020761	Armrest left for Smartseat, preassembled	right
10020762	Grab handle rear for Smarteat, preassembled	
10019046	Armrest for Smartseat, non-fitted	left
10019047	Armrest for Smartseat, non-fitted	right
10019048	Grab handle rear for Smartseat, non-fitted	
10019049	Grab handle side (black), preassembled	
10019050	Grab handle side (yellow), preassembled	

* See www.smartfloor.eu for Carmat codes

Smartseats
Smartseat Easy ISOfix M1



Smartseats
Smartseat Easy ISOfix M1

ITEM CODE	ITEM NAME	SHOULDER BELT	
10019000	Smartseat Easy Tunja	ISOFix	left
10019001	Smartseat Easy Tunja	ISOFix	right
10019002	Smartseat Easy Tasamo	ISOFix	left
10019003	Smartseat Easy Tasamo	ISOFix	right
10020956	Smartseat Easy Ford Trend	ISOFix	left
10020957	Smartseat Easy Ford Trend	ISOFix	right
10019006	Smartseat Easy Grey artificial leather	ISOFix	left
10019007	Smartseat Easy Grey artificial leather	ISOFix	right
10019008	Smartseat Easy Carmat Code*	ISOFix	left
10019009	Smartseat Easy Carmat Code *	ISOFix	right
10019010	Smartseat Easy Tunja	reclining ISOFix	left
10019011	Smartseat Easy Tunja	reclining ISOFix	right
10019012	Smartseat Easy Tasamo	reclining ISOFix	left
10019013	Smartseat Easy Tasamo	reclining ISOFix	right
10020958	Smartseat Easy Ford Trend	reclining ISOFix	left
10020959	Smartseat Easy Ford Trend	reclining ISOFix	right
10019016	Smartseat Easy Grey artificial leather	reclining ISOFix	left
10019017	Smartseat Easy Grey artificial leather	reclining ISOFix	right
10019018	Smartseat Easy Carmat Code*	reclining ISOFix	left
10019019	Smartseat Easy Carmat Code *	reclining ISOFix	

OPTIONS		
10020760	Armrest left for Smartseat, preassembled	left
10020761	Armrest left for Smartseat, preassembled	right
10020762	Grab handle rear for Smarteat, preassembled	
10019046	Armrest for Smartseat, non-fitted	left
10019047	Armrest for Smartseat, non-fitted	right
10019048	Grab handle rear for Smartseat, non-fitted	
10019049	Grab handle side (black), preassembled	
10019050	Grab handle side (yellow), preassembled	

* See www.smartfloor.eu for Carmat codes

Smartseats

Smartseat Tip & Fold M1



New foldable Smartseat Turny M1 seat with maximum comfort and minimum use of space when folded.

- Extremely small thickness when seat is folded
- Maximum resting possibility
- Very small height from the cushion edge including the entire rotator
- Seat cushion remains locked after passenger leaves.
- M1 tested and approved by RDW, according to the newest regulation UN/ECE R14, R16, R17, FMVSS/CMVSS 207, 210
- Fully integrated controls and safety belts to avoid injury
- Easy to clean

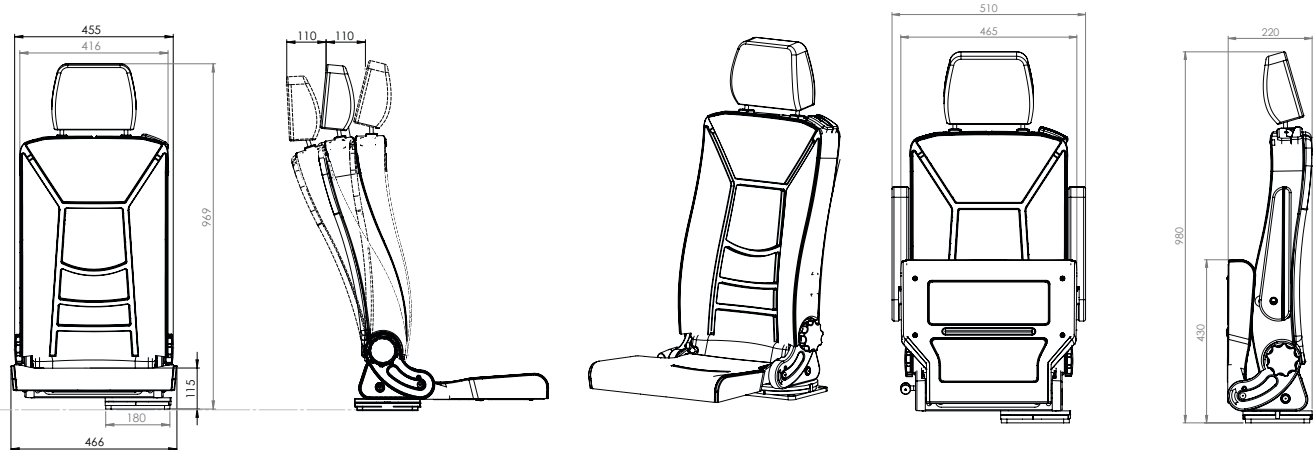


Smartseats

Smartseat Tip & Fold M1

ITEM CODE	ITEM NAME	SHOULDER BELT	
10019026	Smartseat Tip & Fold Tunja	left	
10019027	Smartseat Tip & Fold Tunja	right	
10019028	Smartseat Tip & Fold Tasamo	left	
10019029	Smartseat Tip & Fold Tasamo	right	
10020960	Smartseat Tip & Fold Ford Trend	left	
10020961	Smartseat Tip & Fold Ford Trend	right	
10019032	Smartseat Tip & Fold Grey artificial leather	left	
10019033	Smartseat Tip & Fold Grey artificial leather	right	
10019034	Smartseat Tip & Fold Carmat Code*	left	
10019035	Smartseat Tip & Fold Carmat Code*	right	
10019036	Smartseat Tip & Fold Tunja	left	
10019037	Smartseat Tip & Fold Tunja	ISOFix	right
10019038	Smartseat Tip & Fold Tasamo	ISOFix	left
10019039	Smartseat Tip & Fold Tasamo	ISOFix	right
10020962	Smartseat Tip & Fold Ford Trend	ISOFix	left
10020963	Smartseat Tip & Fold Ford Trend	ISOFix	right
10019042	Smartseat Tip & Fold Grey artificial leather	ISOFix	left
10019043	Smartseat Tip & Fold Grey artificial leather	ISOFix	right
10019044	Smartseat Tip & Fold Carmat Code*	ISOFix	left
10019045	Smartseat Tip & Fold Carmat Code*	ISOFix	right

ITEM CODE	ITEM NAME
10019153	Single wheel arch frame 280 mm L/R
10019154	Single wheel arch frame 329 mm L/R
10019155	Single wheel arch frame 370 mm 105 L/R
10019156	Single wheel arch frame 370 mm 125 L/R
10019157	Double wheel arch frame 280 mm left
10019158	Double wheel arch frame 280 mm right
10019159	Double wheel arch frame 329 mm left
10019160	Double wheel arch frame 329 mm right
10020754	Seat leg 270 mm for Smartseat Tip & Fold M1
10020967	Seat leg 320 mm for Smartseat Tip & Fold M1
10019152	Seat leg 350 mm for Smartseat Tip & Fold M1



* See www.smartfloor.eu for Carmat codes

Smartseats
Smartseat Flip-Up M1

New folding Smartseat Flip-Up M1 seat with maximum comfort and minimum use of space when folded.

- Slim design thickness when seat is folded
- Seat cushion remains locked after passenger leaves.
- M1 tested and approved by RDW, according to the newest regulation UN/ECE R14, R16, R17, FMVSS/CMVSS 207, 210
- Easy to clean



Smartseats
Smartseat Flip-Up M1

ITEM CODE	ITEM NAME	SHOULDER BELT
10020783	Smartseat Flip-Up Tunja	left
10020784	Smartseat Flip-Up Tunja	right
10020785	Smartseat Flip-Up Tasamo	left
10020786	Smartseat Flip-Up Tasamo	right
10020787	Smartseat Flip-Up Ford Trend	left
10020788	Smartseat Flip-Up Ford Trend	right
10020789	Smartseat Flip-Up Grey artificial leather	left
10020790	Smartseat Flip-Up Grey artificial leather	right
10020791	Smartseat Flip-Up Carmate Code*	left
10020792	Smartseat Flip-Up Carmate Code*	right
10020793	Smartseat Flip-Up Tunja	reclining left
10020794	Smartseat Flip-Up Tunja	reclining right
10020795	Smartseat Flip-Up Tasamo	reclining left
10020796	Smartseat Flip-Up Tasamo	reclining right
10020797	Smartseat Flip-Up Ford Trend	reclining left
10020798	Smartseat Flip-Up Ford Trend	reclining right
10020799	Smartseat Flip-Up Grey artificial leather	reclining left
10020800	Smartseat Flip-Up Grey artificial leather	reclining right
10020801	Smartseat Flip-Up Carmate Code*	reclining left
10020802	Smartseat Flip-Up Carmate Code*	reclining right
10020840	Smartseat Flip-Up Tunja	ISOFix left
10020841	Smartseat Flip-Up Tunja	ISOFix right
10020842	Smartseat Flip-Up Tasamo	ISOFix left
10020843	Smartseat Flip-Up Tasamo	ISOFix right
10020844	Smartseat Flip-Up Grey artificial leather	ISOFix left
10020845	Smartseat Flip-Up Grey artificial leather	ISOFix right
10020846	Smartseat Flip-Up Carmate Code*	ISOFix left
10020847	Smartseat Flip-Up Carmate Code*	ISOFix right
10021046	Smartseat Flip-Up	ISOFix left
10021047	Smartseat Flip-Up	ISOFix right
10020848	Smartseat Flip-Up Tunja	ISOFix reclining left
10020849	Smartseat Flip-Up Tunja	ISOFix reclining right
10020850	Smartseat Flip-Up Tasamo	ISOFix reclining left
10020851	Smartseat Flip-Up Tasamo	ISOFix reclining right
10020852	Smartseat Flip-Up Grey artificial leather	ISOFix reclining left
10020853	Smartseat Flip-Up Grey artificial leather	ISOFix reclining right
10020854	Smartseat Flip-Up Carmate Code*	ISOFix reclining left
10020855	Smartseat Flip-Up Carmate Code	ISOFix reclining right
10021048	Smartseat Flip-Up Ford Trend	ISOFix reclining left
10021049	Smartseat Flip-Up Ford Trend	ISOFix reclining right

ITEM CODE	ITEM NAME
10020931	Seat leg 270 mm for Smartseat Flip-Up
10020968	Seat leg 320 mm for Smartseat Flip-Up
10020932	Seat leg 350 mm for Smartseat Flip-Up

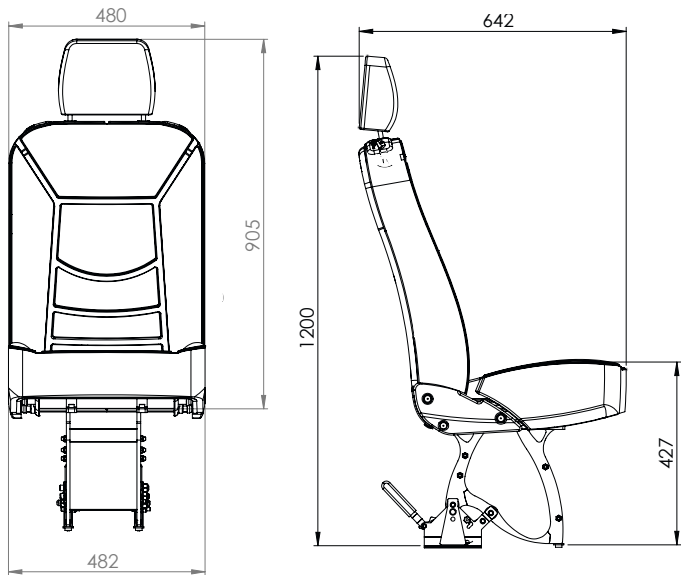
* See www.smartfloor.eu for Carmat codes

Smartseats
Smartseat Easy XL M1



The Smartseat Easy M1 is XL designed for maximum passenger comfort and maximum commercial flexibility.

- Fixed or reclining backrest
- Integral 3-point seat belt
- Available in left-hand belt and right-hand belt models
- M1 tested and approved by RDW, according to the newest regulation UN/ECE R14, R16, R17, FMVSS/CMVSS 207, 210
- Optional armrest
- Various upholstery options available (including artificial leather)
- Equipped with quick-release Smartleg supports
- Easy to clean
- ABS back panel



Smartseats
Smartseat Easy XL M1

ITEM CODE	ITEM NAME	SHOULDER BELT	
10020856	Smartseat Easy XL Tunja	left	
10020857	Smartseat Easy XL Tunja	right	
10020858	Smartseat Easy XL Tasamo	left	
10020859	Smartseat Easy XL Tasamo	right	
10020997	Smartseat Easy XL Ford Trend	left	
10020998	Smartseat Easy XL Ford Trend	right	
10020860	Smartseat Easy XL Grey artificial leather	left	
10020861	Smartseat Easy XL Grey artificial leather	right	
10020864	Smartseat Easy XL Tunja	reclining	left
10020865	Smartseat Easy XL Tunja	reclining	right
10020866	Smartseat Easy XL Tasamo	reclining	left
10020867	Smartseat Easy XL Tasamo	reclining	right
10020999	Smartseat Easy XL Ford Trend	reclining	left
10021000	Smartseat Easy XL Ford Trend	reclining	right
10020868	Smartseat Easy XL Grey artificial leather	reclining	left
10020869	Smartseat Easy XL Grey artificial leather	reclining	right
10020872	Smartseat Easy XL Tunja	ISOfix	left
10020873	Smartseat Easy XL Tunja	ISOfix	right
10020874	Smartseat Easy XL Tasamo	ISOfix	left
10020875	Smartseat Easy XL Tasamo	ISOfix	right
10021001	Smartseat Easy XL Ford Trend	ISOfix	left
10021002	Smartseat Easy XL Ford Trend	ISOfix	right
10020876	Smartseat Easy XL Grey artificial leather	ISOfix	left
10020877	Smartseat Easy XL Grey artificial leather	ISOfix	right
10020880	Smartseat Easy XL Tunja	reclining ISOfix	left
10020881	Smartseat Easy XL Tunja	reclining ISOfix	right
10020882	Smartseat Easy XL Tasamo	reclining ISOfix	left
10020883	Smartseat Easy XL Tasamo	reclining ISOfix	right
10021003	Smartseat Easy XL Ford Trend	reclining ISOfix	left
10021004	Smartseat Easy XL Ford Trend	reclining ISOfix	right
10020884	Smartseat Easy XL Grey artificial leather	reclining ISOfix	left
10020885	Smartseat Easy XL Grey artificial leather	reclining ISOfix	right

* See www.smartfloor.eu for Carmat codes

Smartseats Smartleg

QUICK LOCKING SYSTEMS

10012833	Smartleg 290 mm including Wheelie Wheel
10011973	Smartleg 290 mm
10013073	Smartleg 420 mm
10013543	Smartleg 290 mm aluminum
10014449	Smartleg 390 mm
10011974	Smartleg spacer 156 mm
10013476	Smartleg spacer 164.5 mm
10013477	Smartleg spacer 173 mm
10013478	Smartleg spacer 181.5 mm
10013479	Smartleg spacer 190 mm
10013480	Smartleg spacer 234 mm
10013481	Smartleg spacer 242.5 mm
10013482	Smartleg spacer 251 mm
10013483	Smartleg spacer 259.5 mm
10013484	Smartleg spacer 268 mm
10013485	Smartleg spacer 276.5 mm
10013486	Smartleg spacer 285 mm
10013487	Smartleg spacer 329 mm



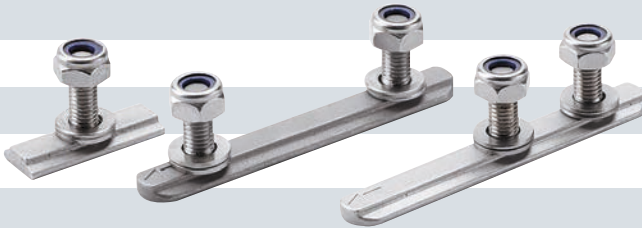
FIXED MOUNTING

10011886	Fixed seat leg, various seats, 274 mm
10011887	Fixed seat leg, various seats, 390 mm
10013538	Fixed seat leg, Gibicar Idea
10013539	Fixed seat leg, Gibicar Maxima
10014361	Smartleg 290 mm for AMF Lockable



T-BOLTS

10013488	T-Bolt single M8
10013489	T-Bolt double 95 mm M8
10011522	T-Bolt single M10
10011523	T-Bolt double 25 mm M10
10011524	T-Bolt double 35 mm M10
10011525	T-Bolt double 76 mm M10



Smartseats Smartleg

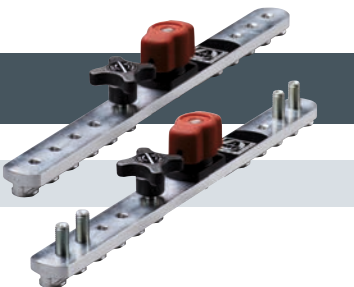
MOUNTING BRACKETS

10020102	Set of saddles for Smartleg (Smartseat) incl. bolts and nuts
10020103	Set of saddles for fixel leg incl. bolts and nuts



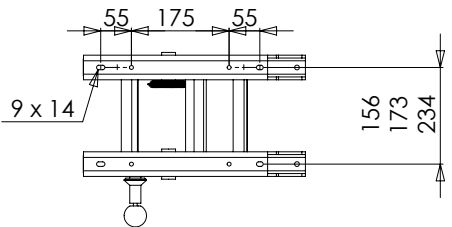
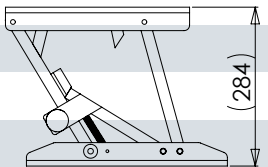
ALUMINUM GUIDE RAILS

10011173	AMF Lockable
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FOLDING MECHANISM

10013493	Smartfold seat leg 156 mm right hand side control
10013494	Smartfold seat leg 173 mm right hand side control
10013495	Smartfold seat leg 234 mm right hand side control
10015967	Smartfold seat leg 156 mm left hand side control
10015968	Smartfold seat leg 173 mm left hand side control
10015969	Smartfold seat leg 234 mm left hand side control



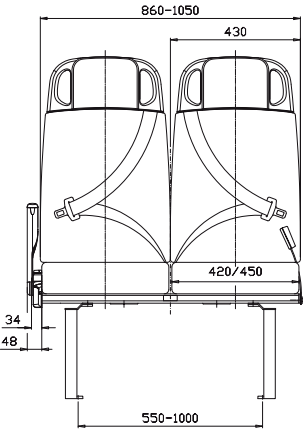
- Smartfold seatleg has been tested for all seats up to a weight of 26 KG
- M1 tested and approved by RDW
- Provides a more easy entrance with chairs placed at the door of the vehicle
- Easy to operate by pulling out a pin
- Color: black

Smartseats

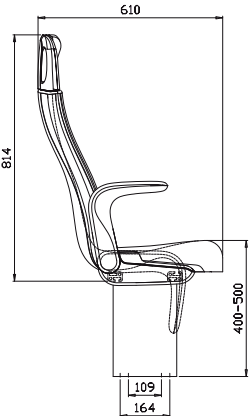
Smartseat Arco M2



Durable Easy
Side squabs with grab handles



Classic
Full upholstered with grab handles

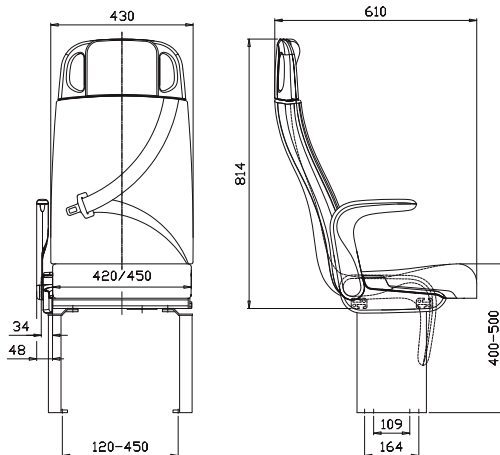


The Smartseat Arco M2 is lightweighted and perfect for the use in a Smartfloor M2 Bus.

- integrated safety belt
- easy to clean



Classic
Full upholstered with yellow grab handles



Smartseats

Smartseat Arco M2

ITEM CODE	ITEM NAME	SHOULDERBELT
20001156	Arco M2 single seat 3-point belt durable easy	Left
20001157	Arco M2 single seat 3-point belt durable easy	Right
20001158	Arco M2 double seat 3-point belt durable easy	Left
20001159	Arco M2 double seat 3-point belt durable easy	Right
20001160	Arco M2 single seat 3-point belt classic	Left
20001161	Arco M2 single seat 3-point belt classic	Right
20001162	Arco M2 double seat 3-point belt classic	Left
20001163	Arco M2 double seat 3-point belt classic	Right
20001165	Yellow Grab handles (per seat)	
20001166	Fixed armrest left	
20001167	Fixed armrest right	
20001168	Folding down armrest left	
20001169	Folding down armrest right	
20001170	3-point belt all age	

Smartliner



The AMF-Bruns Smartliner offers spacious interior room

Comfortable and ergonomically formed individual M2 seats

Floor Covering

Floor Covering Altro Transflor

Meta Storm

Chroma Zeal

Meta Black

Smartfloor floor covering is especially designed for intensive use in the transport sector. The anti-skid surface VEHICLE MODELS this wear-resistant floor covering a perfect and durable solution for use in vehicles and for the conveyance of passengers.

- Safe anti-skid principle, even in wet conditions
- Durable and hard-wearing
- Colour fast throughout the active service life
- Flexible to install near wheel housing and boarding structures
- Dirt-resistant and easy to clean
- Saves fuel thanks to low weight

Floor Covering

Floor Covering Altro Transflor

COMPOSITION

Matrix	High-quality vinyl
Ingredients	Aluminum oxide pellets, silicium carbide in the wearing course, quartz basic colour in the surface layer with additional coloured chips for the Altro Transflor Chroma series
Structure support	Polyester cellulose reinforced with glass fibre
Backing	Polyester cellulose
Optional backing	Backing with polyester-like structure (see Altro supplier)

RECOMMENDED CLEANING METHOD

Thanks to the technical development of Altro safety floors, the floors are considerably easier to clean. Visit www.altrotransflor.com for extensive cleaning advice from Altro Transflor.

INSTALLATION AND MAINTENANCE

All fitting must be carried out in accordance with the local standards and the Altro Transflor installation manual.

Sub-floor and adhesives In accordance with the recommendations in the Altro Transflor installation manual (see also www.altrotransflor.com)

Note: failure to comply with the Altro Transflor installation instructions can lead to reduced performance and slip resistance of the floor. The floor must be thoroughly cleaned before delivery and protected during other work.

Altro Transflor Meta and Chroma are not suited for spaces in which it is allowed to smoke, as the risk of burning cigarettes compromising the floor is too high.

CHOICE OF COLOUR

When choosing the colour of the Altro Transflor floor, the volume of traffic in the room must be taken into account. When in doubt, please contact Smartfloor.

ITEM CODE	ITEM NAME	MEASUREMENT
10008057	Altro Transflor Meta Storm	20 x 2 Mtr
10003965	Altro Transflor Chroma Zeal	20 x 2 Mtr
10003962	Altro Transflor Meta Black	20 x 2 Mtr



Accessories
Stretcher DIN 1789



THESE FACTS VEHICLE MODEL ALL THE DIFFERENCE

- » High-precision manoeuvring in various height levels, e.g. for hospital beds, x-ray tables, CT etc.

» The stretcher's suspension guarantees gentle transportation
- » The quick-release-fixing allows for an easy fitting to the vehicle's floor

» The AMF-Bruns stretcher is 10G TÜV tested in all directions according to DIN EN 1789
- » Big wheels ensure smooth operation on uneven grounds

» In connection with Smartfloor the stretcher can be fixed in various ways to the vehicle - the ideal, flexible solution for the combination of wheel-chair and horizontal transportation
- » The AMF-Bruns stretcher is fully hydraulically adjustable
- » The AMF-Bruns stretcher allows for an ergonomic operation.



Accessories

ITEM CODE	DESCRIPTION	MEASUREMENT
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10012744
Storage box
167.5 x 690 x 383.5 mm

10012270
Storage box
180 x 840 x 480 mm



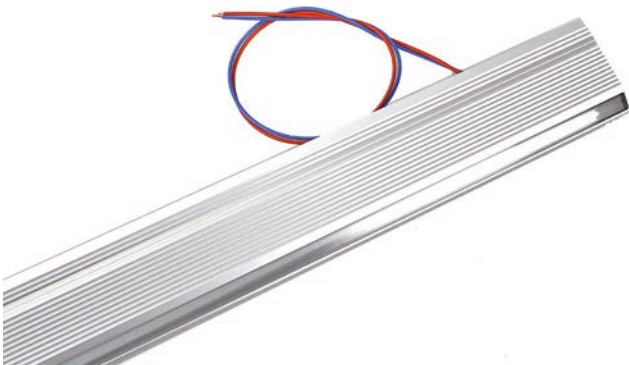
10008016
Yellow grab Handle



10008015
Black grab Handle



H20035
LED boarding light for sliding door



Test Centre

To be on the safe side

The safety of every wheelchair occupant is our top priority at AMF-Bruns and is of central importance for all our innovations.

AMF-Bruns is the leading supplier of lifts, wheelchair and occupant restraint system, system floors and related products for the conversion of accessible vehicles in Europe. This leading position is both a responsibility and a motivation for AMF-Bruns to ensure that all aspects of its products, which have quality and safety implications, are subject to the strictest of controls. All production work is completed in accordance with the ISO 2001 standard. In addition, all lifts and ramps which the company delivers are TÜV-tested in 20 G front-on vehicle crashes.

All AMF-Bruns products offer a high level of safety. Vehicle floors equipped with the Smartfloor meet all safety requirements of the stringent EU directives such as UN-ECE R14, R16, R17, ISO 10542 and DIN standard 75078. All surfaces which may present a slip hazard in the vehicle comply with slip resistance class R11. Lifts and electric steps are subjected to thorough EMV tests and then approved by the German Federal Office for Motor Vehicles (KBA).

In order to further improve safety and protection for people with mobility restrictions, AMF-Bruns successfully working in cooperation with competent partners such as TÜV Nord, TÜV Rheinland, BAST, UTAC (France), AIB Vinçotte (Belgium), Status (United Kingdom), Volkswagen, Mercedes Benz, RDW Holland and the German Federal Office for Motor Vehicles (KBA).

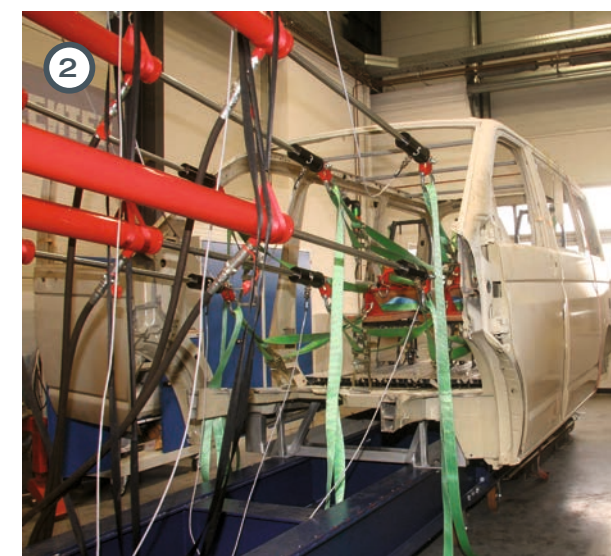
A major step in the quest for “even more tested safety“ has been taken by AMF-BRUNS with its new in-house accredited test equipment at AMF-BRUNS in Apen, Germany. Together with the Dutch RDW and German TÜV or the British VCA, AMF-Bruns now tests and examines safety-relevant components, products and retrofitting in house. In future, for example, seat testing, strength testing of built-in vehicle components or wheelchair restraining systems are become routine in our own test centre for all types of vehicles on the market. With up to eight special cylinders the required tension is built up within a matter of milliseconds. In the meantime, other conversion companies are also taking the opportunity to have testing done by the AMF-Bruns Test Centre.



Test Centre



1. A vehicle body is fixed to the stable test system frame ready for the tension trials.



2. Special pulling cylinders ensure that a force equivalent of up to 20 G front-on vehicle crash is built up within milliseconds.



3. This shows a test with 3 M1 seat dummies, aimed at testing Smartfloor's seat fixings, the so-called “Smartlegs” on the Smartfloor system floor.

Vehicle Tests

The following vehicles have been tested by TÜV and AMF-Bruns with regards to anchorage points. Test certificates and Installation Manuals are available at www.amf-bruns.de.

- | | |
|--------------------------|--------------------|
| » Volkswagen Crafter | » Opel Vivaro |
| » Volkswagen Multivan T6 | » Renault Master |
| » Mercedes-Benz Sprinter | » Renault Trafic |
| » Mercedes-Benz V-Class | » Peugeot Boxer |
| » Mercedes-Benz Vito | » Citroën Jumper |
| » Ford Transit | » Fiat Ducato |
| » Ford Transit Custom | » Nissan Primastar |
| » Opel Movano | |



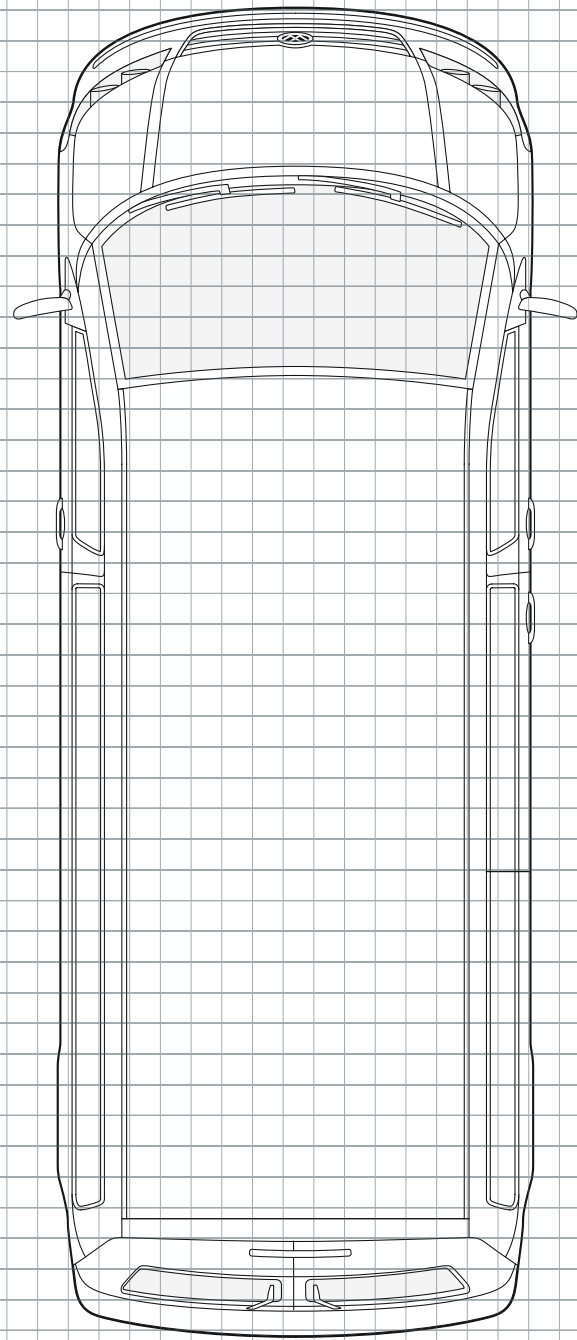
Mercedes-Benz



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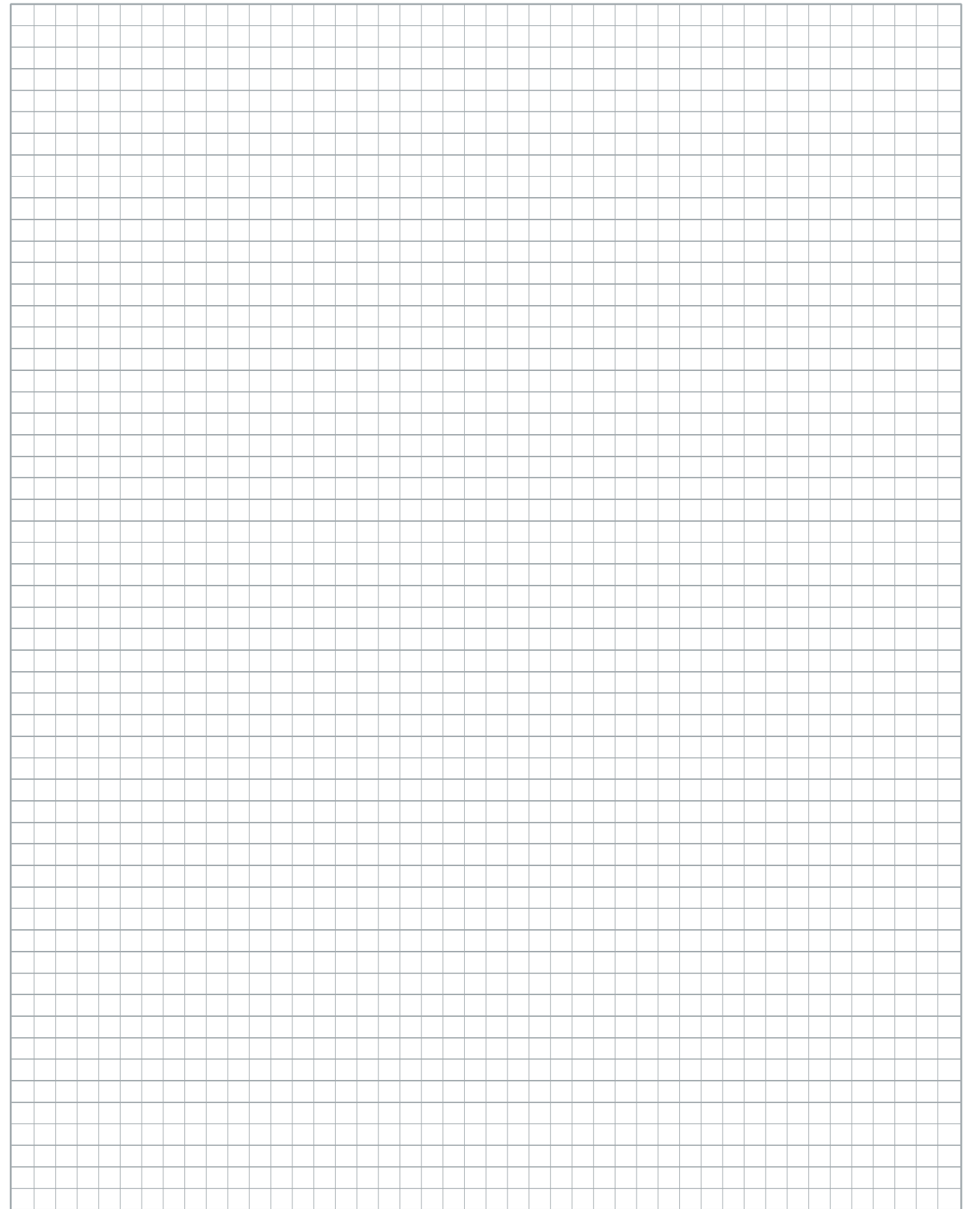
Your Vehicle Plan

Volkswagen Transporter



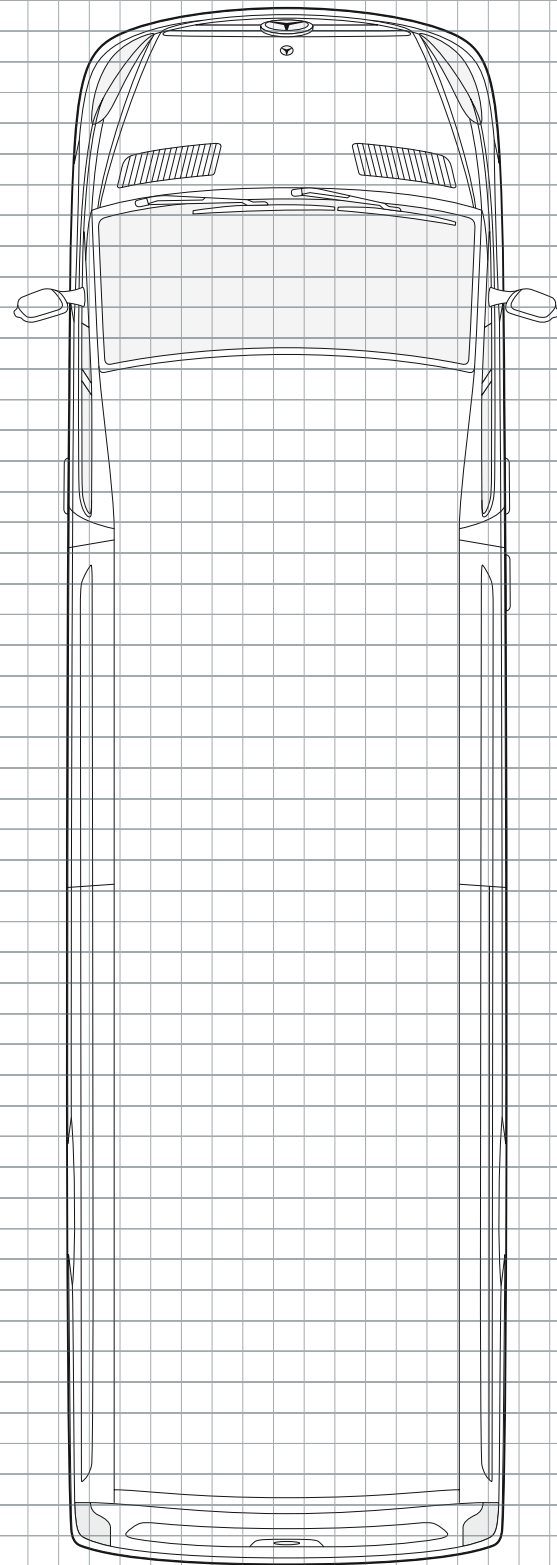
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Your Vehicle Plan

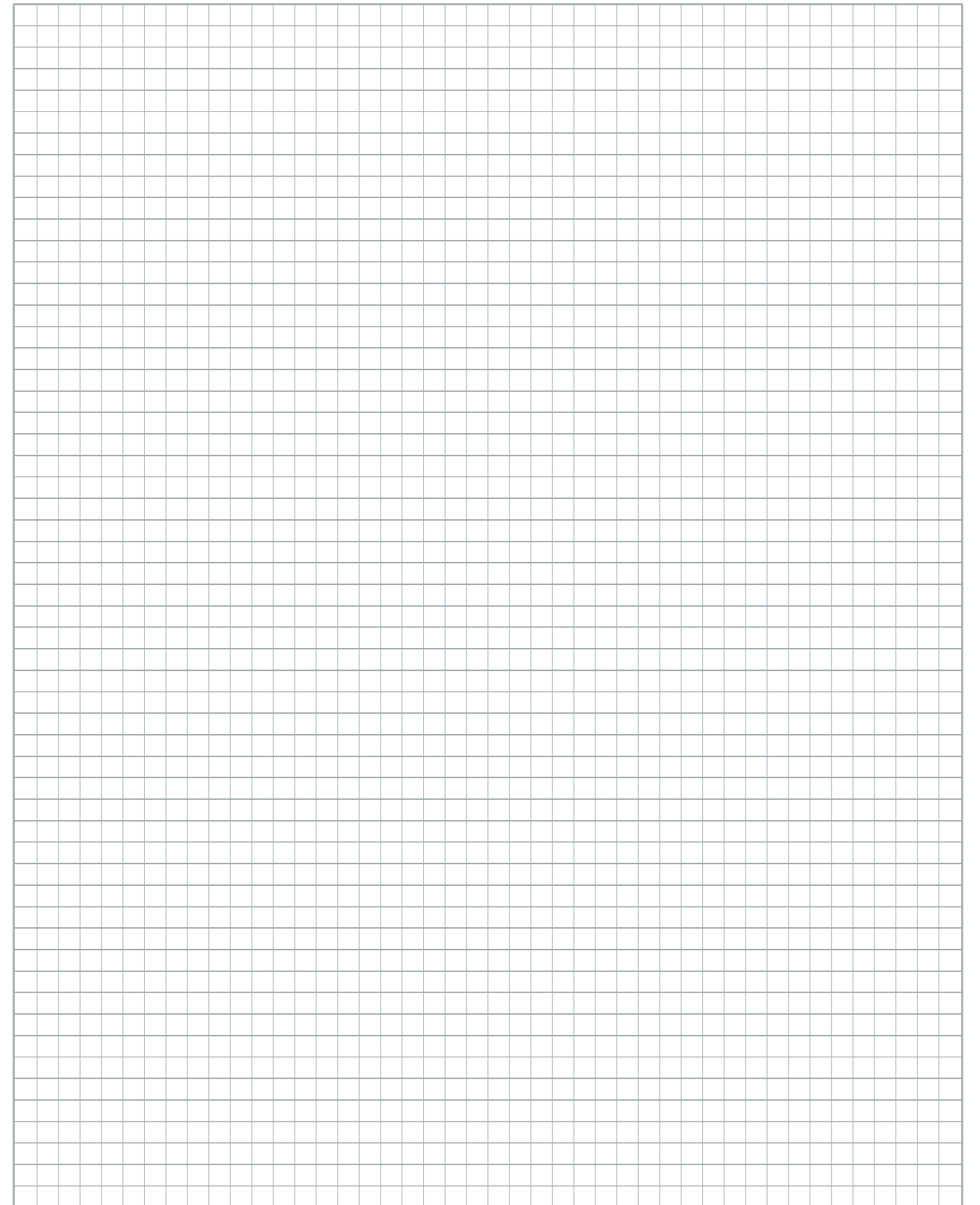


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Your Vehicle Plan

Mercedes-Benz Long



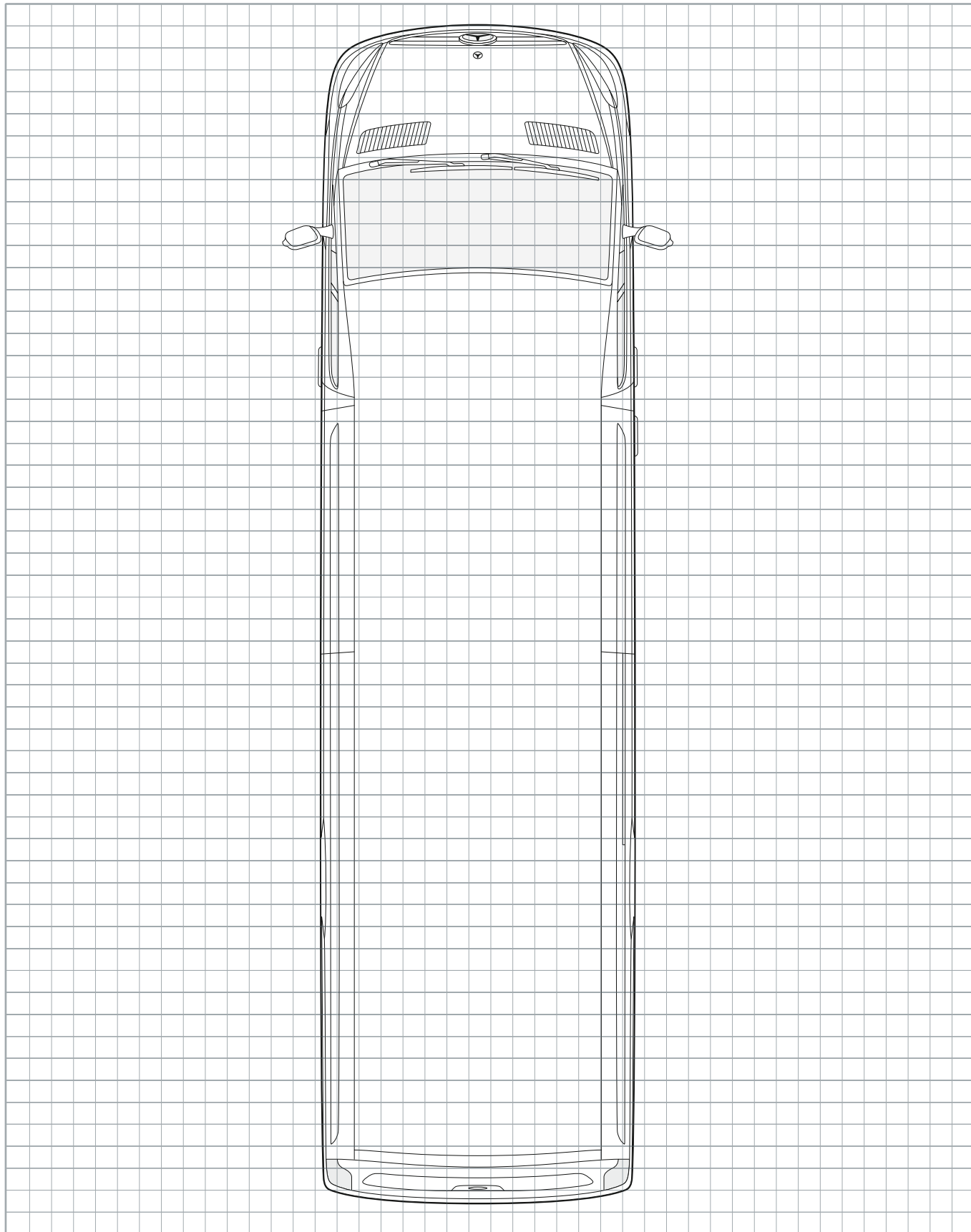
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Your Vehicle Plan



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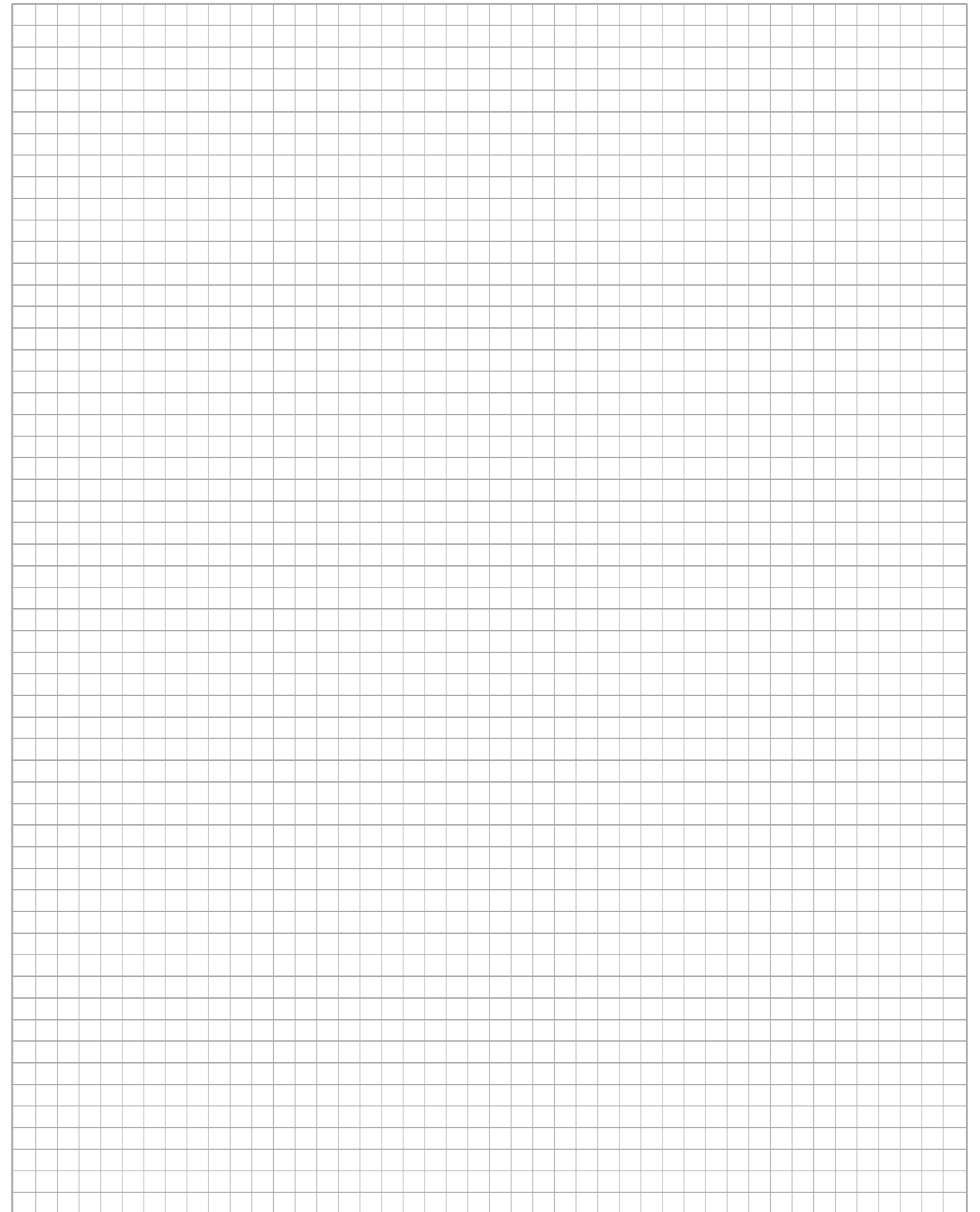
Your Vehicle Plan

Mercedes-Benz Extra Long



Notes

Your Vehicle Plan





United States of America
AMF-Bruns of America LP
 1797 Georgetown Road
 Hudson · OH 44236
 Phone +1 877 506 3770
www.amfbrunsamerica.com

Germany / Europe
AMF-Bruns GmbH & Co. KG
 Hauptstraße 101
 D-26689 Apen
 Phone +49 44 89 72 71 01
www.amf-bruns.de

United Kingdom
AMF - Bruns UK LTD
 Unit 3, Parkway Four
 Longbridge Road
 Trafford Park
 Manchester · M17 1SW
 Phone +44 161 872 7951
www.amf-bruns.com

Asia
Smartfloor Seating (Thailand) Co. Ltd
 Kunwang Place 165/86
 T.: Sanprapao A.: Sansai
 Chiang Mai 50210 Thailand
 Phone +66 81 381 5207

Netherlands, Belgium and Luxembourg
SMARTFLOOR B.V.
 Veldkampsweg 26
 7605 AR Almelo
 Nederland
 Telefoon +31 546 45 55 65
www.smartfloor.nl

South Africa
AMF-Bruns South Africa
 Shoprider
 92 Jakaranda Street
 Unit # 13 Dimond Park
 Hennopspark · CENTURION
 Phone +27 12 653 1168
www.amf-bruns.co.za

Middle East & North African Region
AMF-Bruns MENA
 Bisco FZCO · Silicon Oasis
 LIU4 Units C8 & C9 · Dubai
 Phone +971 4 3207123
www.amf-bruns.ae



AMF-Bruns GmbH & Co. KG | Hauptstraße 101 | 26689 Apen | Germany
 phone +49 44 89 / 72 71 01 | fax +49 44 89 / 62 45
hubmatik@amf-bruns.de

www.amf-bruns.com



Reg.-Nr.: Q1 0105027