

CATALOGUE
PRODUCTS 2024/25



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The products and vehicle conversions shown are representative examples and show variants that are available depending on the market/country. Please note that we cannot show all vehicle brands and conversions.

AMF-Bruns reserves the right to edit, delete or change information at its own discretion. The catalogue has been checked for accuracy with great care. All information is without guarantee. Technical changes, misprints and errors excepted.

INTRODUCTION

Mobility is one of our basic needs and for many people it guarantees a self-sufficient and independent lifestyle. Those with limited mobility, however, face a series of obstacles that restrict them in their everyday lives, making the use of auxiliary equipment necessary. The desire for customised configurations and flexible conversions is constantly increasing. With RDW, TÜV and VCA-certified products and solutions, AMF-Bruns is a pioneering company in the field of wheelchair-accessible vehicle conversions.

MARKET LEADER

AMF-Bruns is the European market leader and specialist for vehicle technology for people with disabilities. Our company expertly combines the latest technology with expertise accumulated through over 65 years of experience and dynamic innovation. We are manufacturer of wheelchair-accessible vehicles and their equipment. AMF-Bruns uses sophisticated technologies to convert a wide variety of vehicle models into barrier-free vehicles in the shortest possible time.

PRODUCTS

AMF-Bruns offers a wide range of innovative products and customised solutions. The excellent co-operation with all well-known vehicle manufacturers enables AMF-Bruns to be informed about current projects and to be involved in new developments by the automotive industry. This is why our lifts and lightweight floors can be installed in any vehicle. In addition to lifts, ramps, steps, system floors and seating solutions, AMF-Bruns also offers a wide range of auxiliary equipment for safe wheelchair transport, such as head and backrests as well as occupant and wheelchair 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. All product developments are intensively tested in our own test centre with a dynamic and static test facility. To ensure maximum safety, AMF-Bruns product solutions are based on the latest standards. For example, the SMARTFLOOR system floors meet the high requirements of UN/ECE R14, R16 and R17 for M1 tested seats for all major vehicle models and the AMF-Bruns occupant and wheelchair restraint systems comply with the international standards ISO 10542 and DIN 75078-1/2. The key starting point is to make 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 you will receive the manuals free of charge.

LIFTS

Wheelchair & Cargo Lifts



LIFTS

Linear Lift AL1 SOLID

The AL1 owes its worldwide unique design of the specially manufactured lifting arms to the use of aluminium profiles. Precisely manufactured and matched to each other, these enable a durable and accurate function. Despite a load capacity of 400 kg, the AL1 is 25 % lighter than the average lift on the market!

SPECIFICATION

- » Patented, specially developed aluminium arms make the AL1 the lightest lift on the market
- » High-quality, powder-coated surface, KTL coating as additional corrosion protection
- » LED flashing lights
- » Special roll-off safety barrier folds down automatically when touching the ground (even on uneven surfaces)
- » Automatic roll-over flap also serves as roll-off stop (patented)
- » See-through platform design ensures excellent rear view
- » Crash safety stops for more passive protection
- » Complies with EN 1756-2 and DIN 75078-1

OPTIONAL

- » Bluetooth remote control and app operation (iOS, Android)
- » LED platform lights (available for AL1 SOLID 1380)
- » 20 g tested mounting kits for vehicle models such as Mercedes-Benz Sprinter, Volkswagen Crafter, Ford Transit, Stellantis X250

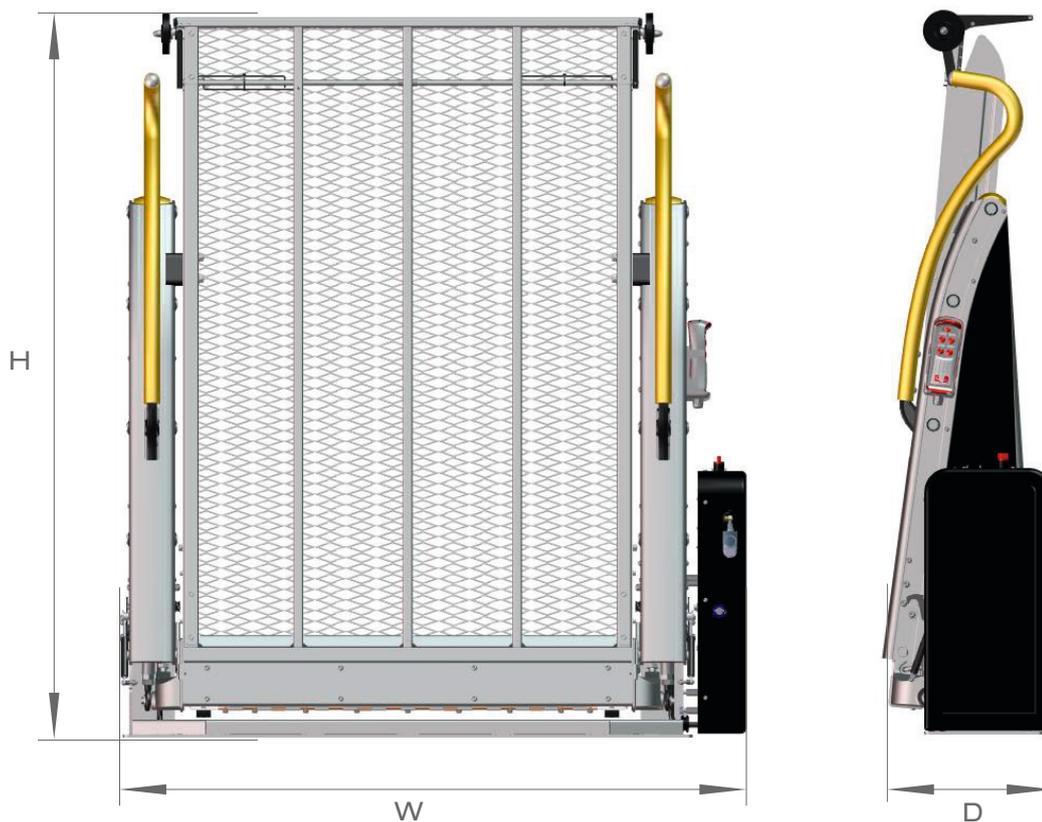


TECHNICAL DATA

- » Mounting on rear or side entry
- » Load capacity: 400 kg
- » Lifting height: 900 mm
- » Lifting platform size: 2 standard sizes available
- » Unladen weight: 120 - 130 kg, depending on platform size
- » Operation: One-hand operation, 4 push buttons (up/down, stow/deploy)
- » Power unit: Electro-hydraulic 12 V
- » Features: Manual pump, 2 handrails, automatic flashing lights
- » EMC tested according to EU regulations

Type	SOLID 1380	SOLID 1130
Width (W)	1,290 mm	1,200 mm
Depth (D)	350 mm	350 mm
Height (H)	1,500 mm	1,250 mm

Usable Platform Size	SOLID 1380	SOLID 1130
Width	920 mm	830 mm
Length	1,380 mm	1,130 mm



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LIFTS

Linear Lift AL1 SPLIT

The AL1 SPLIT linear lift has one lifting platform, divided lengthways into two parts. During operation, the lifting platform of the linear lift unfolds towards the centre, creating an overall platform. After use, the linear lift moves back into the vehicle at the push of a button and the lift platform splits into two parts. Thanks to its divided platform, the AL1 SPLIT provides a clear view and free access to the passenger compartment.

SPECIFICATION

- » Unique platform design allows excellent rear view and access to the passenger compartment
- » Patented, specially developed aluminium arms make the AL1 the lightest lift on the market
- » High-quality, powder-coated surface, KTL coating as additional corrosion protection
- » LED flashing lights
- » Special roll-off safety barrier folds down automatically when touching the ground (even on uneven surfaces)
- » Automatic roll-over flap also serves as roll-off stop (patented)
- » Noiseless ride due to rubber-mounted platform in rest position
- » Crash safety stops for more passive protection
- » Complies with EN 1756-2 and DIN 75078-1

OPTIONAL

- » Bluetooth remote control and app operation (iOS, Android)
- » LED platform lights (available for AL1 SPLIT 1300)

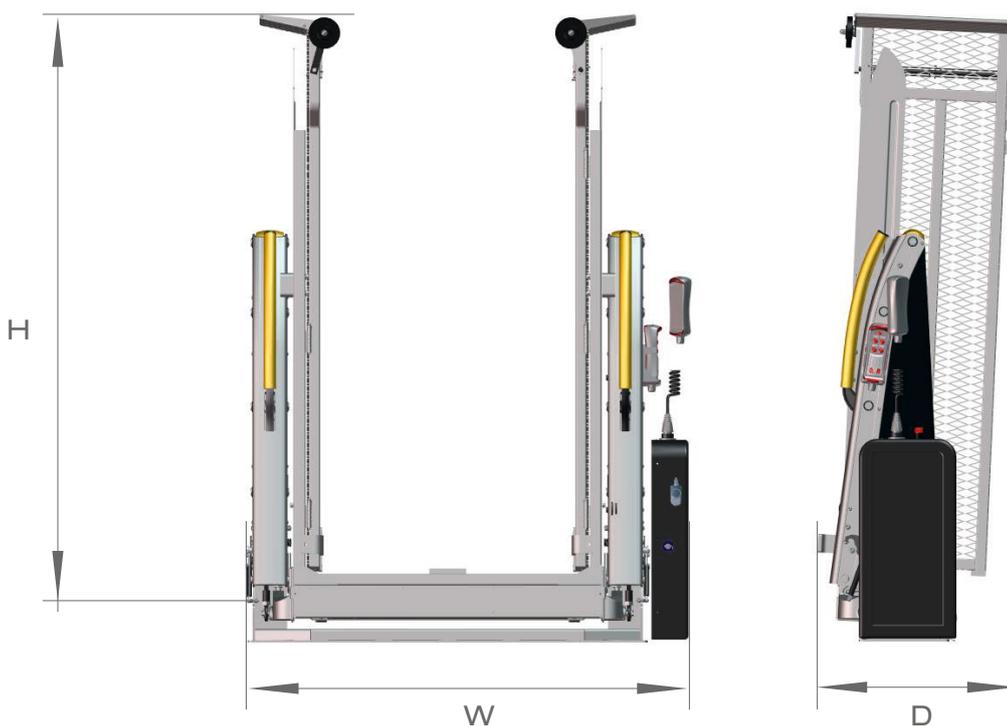


TECHNICAL DATA

- » Mounting on rear or side entry
- » Load capacity: 400 kg
- » Lifting height: 900 mm
- » Lifting platform size: 2 standard sizes available
- » Unladen weight: 122 - 140 kg, depending on platform size
- » Operation: One-hand operation, 4 push buttons (up/down, stow/deploy)
- » Power unit: Electro-hydraulic 12 V
- » Features: Manual pump, 2 handrails, automatic flashing lights
- » EMC tested according to EU regulations

Type	SPLIT 1300	SPLIT 1085
Width (W)	1,200 mm	1,120 mm
Depth (D)	500 mm	500 mm
Height (H)	1,405 mm	1,190 mm

Usable Platform Size	SPLIT 1300	SPLIT 1085
Width	830 mm	750 mm
Length	1,300 mm	1,085 mm



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LIFTS

Linear Lift AL1 PANORAMA

The AL1 PANORAMA is noted for its low height in its stowed position in the vehicle and its large platform during lifting and lowering. The lift allows a clear view to the rear whilst driving. This fully automatic lift for rear access unfolds its entire usable length at the press of a button. Since the long platform collapses to about half of its total length when stowed, the lift requires little space when positioned upright in the vehicle. This means that a large wheelchair can also be lifted into the vehicle interior via the tailgate even in vehicles with a low interior height.

SPECIFICATION

- » Suitable for vehicles with low roof height
- » Patented, specially developed aluminium arms make the AL1 the lightest lift on the market
- » High-quality, powder-coated surface, KTL coating as additional corrosion protection
- » LED flashing lights
- » Unique platform design ensures excellent rear view
- » Special roll-off safety barrier folds down automatically when touching the ground (even on uneven surfaces)
- » Automatic roll-over flap also serves as roll-off stop (patented)
- » Crash safety stops for more passive protection
- » Complies with EN 1756-2 and DIN 75078-1

OPTIONAL

- » Bluetooth remote control and app operation (iOS, Android)



TECHNICAL DATA

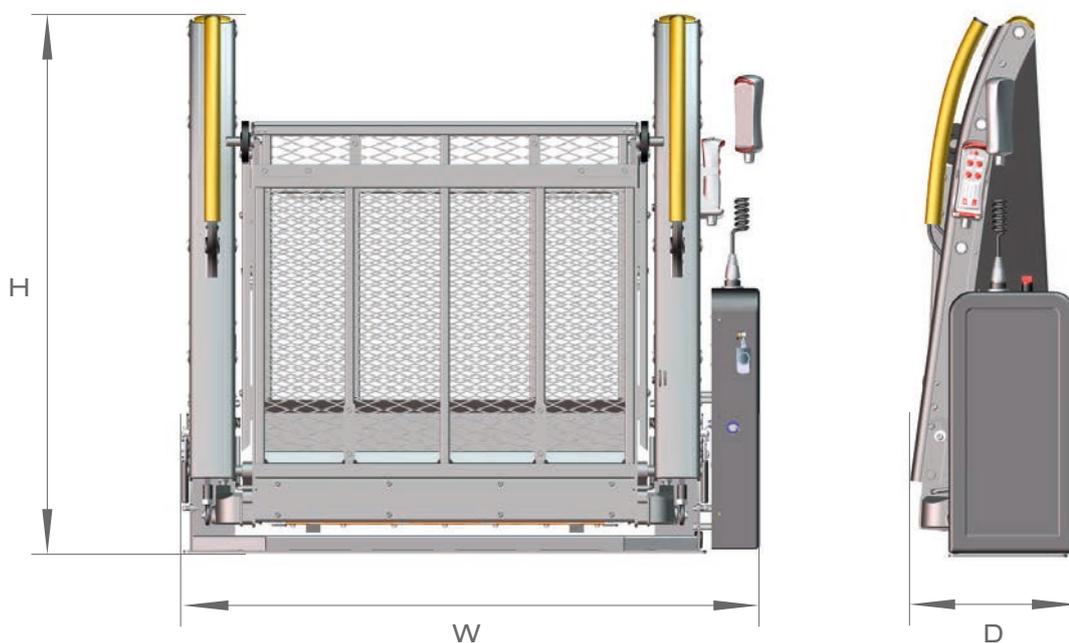
- » Mounting on rear or side entry
- » Load capacity: 400 kg
- » Lifting height: 900 mm
- » Lifting platform size: 2 standard sizes available
- » Unladen weight: 135 - 140 kg, depending on platform size
- » Operation: One-hand operation, 4 push buttons (up/down, stow/deploy)
- » Power unit: Electro-hydraulic 12 V
- » Features: Manual pump, 2 handrails, automatic flashing lights
- » EMC tested according to EU regulations

Type	PANORAMA 1200	PANORAMA 1400
Width (W)	1,200 mm	1,200 mm
Depth (D)	350 mm	350 mm
Height (H)	1,125 mm	1,125 mm

Usable Platform Size	PANORAMA 1200	PANORAMA 1400
Width	755 mm	755 mm
Length	1,200 mm	1,400 mm



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LIFTS

Mounting Kits AL1

AMF-Brunns offers AL1 mounting kits for the following vehicle types:

Item No.	Vehicle Type	Vehicle Floor	Direction of Travel	AL1 Lift	Instructions	
					DE	EN
H1406	Ford Transit F7	Original floor / Smartfloor	right	SOLID 1380	10019784	10022312
H1407	Ford Transit Custom (until 2023)	Original floor / Smartfloor	right	SOLID 1130 PANORAMA 1200 / 1400	10022409	10022410
	Ford Transit Custom (until 2023, without A/C)	Original floor / Smartfloor	right	SOLID 1380		
H1408	Fiat Talento / Renault Trafic / Nissan NV300	Original floor / Smartfloor	right	SOLID 1130 / 1200 PANORAMA 1200 / 1400	10022431	10022934
H1400	Mercedes-Benz Sprinter	Original floor / Smartfloor	right	SOLID 1380	10018292	10018488
H1409	Mercedes-Benz Vito / V-Klasse	Original floor	right	PANORAMA 1200 / 1400	10022407	10022408
200460048	VW Crafter / MAN TGE	Smartfloor	right	SOLID 1380	10022932	10022933
H1405	VW T5 / T6	Smartfloor	right	PANORAMA 1200 / 1400	10018294	10018490
H1410	VW T5 / T6 Multivan	Original floor	right	PANORAMA 1200 / 1400		
H1402	Opel Movano (until 2023) / Renault Master	Original floor / Smartfloor	right	SOLID 1380	10018293	10018489
10023598	Citroën Jumper / Fiat Ducato / Opel Movano (from 2024) / Peugeot Boxe		right	SOLID 1380		



Swivel Lift BSL 350

The robust and durable BSL 350 swivel lift is the classic of the AMF-Brunns product range and can look back proudly at a track record of over 50 years. The BSL 350 requires little space behind the vehicle and enables swivelling in and out even in tight traffic conditions. When folded, the swivel lift is space-saving and requires only about 30 cm installation depth in the passenger compartment.

SPECIFICATION

- » Lift can be swivelled 2 x 90°
- » Compact design, requires little space in the passenger compartment (approx. 300 mm installation depth)
- » Lifting platform accessible directly from the pavement
- » 2 electric roll-off safety barriers and handrails ensure safe lifting and lowering operation
- » Minimum space requirement behind the vehicle
- » Lifting and lowering operations are carried out averted to the vehicle's rear edge to prevent the feet from being trapped
- » Robust, bearing-supported lifting unit; maintenance-free as well as weatherproof for maximum lifetime
- » Additional lift locking device on the vehicle floor ensures a noiseless ride
- » Manual pump for emergency operation
- » Hydraulic power pack integrated in lifting unit:
 - space-saving
 - easy to install
- » Complies with EN 1756-2

TECHNICAL DATA

- » Mounting on the rear entry
- » Load capacity: 350 kg
- » Lifting platform size: Approx. 840 x 1,200 mm
- » Unladen weigh: Approx. 150 kg
- » Operation: Via push buttons
- » Lowering: Approx. 8 sec, by its own weight
- » Lifting: Approx. 10 sec, hydraulic unit
- » Power unit: Electro-hydraulic (car battery, 12 V); powerful, low-noise hydraulic unit integrated in the lifting unit
- » Swivel device: Dust-proof enclosed; splash-proof, ball bearing and permanently lubricated
- » Lifting unit: Maintenance-free roller guide - no sliding friction!
- » EMC tested according to EU regulations



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LIFTS

Cassette Lift K70

The fully automatic K70 cassette lift is the flattest underbody lift on the market. The K70 is perfect for private vehicles. It does not affect access or use of the passenger compartment as the cassette is mounted below the vehicle to one side.

Only suitable for vans (e.g. Ford Custom, Mercedes-Benz V-Class, Volkswagen Multivan T7).

SPECIFICATION

- » Ultra-slim design (70 mm) guarantees ultimate ground clearance
- » Large lifting platform with side access; also suitable for electric wheelchairs
- » Enclosed stainless steel box provides protection for the lift system even in extreme weather conditions
- » Illuminated controls, waterproof and shockproof
- » Automatic roll-off safety barrier also operates on uneven road and snow
- » No changes to the car body necessary
- » Refined lifting platform by anodised surface finish
- » Fully automatic roll-over protection barrier prevents feet from being trapped when lifting
- » Original step is retained, vehicle interior remains unchanged
- » Powerful, silent running function ensures smooth operation of the lifting platform
- » Safety door contact switch prevents incorrect operation while driving
- » Manual emergency operation with hand pump
- » LED flashing lights warn in poor visibility conditions
- » Complies with EN 1756-2 and DIN 75078-1

TECHNICAL DATA

- » Mounting on the side entry
- » Lift height: 70 mm
- » Load capacity: 300 kg
- » Lifting platform size: Approx. 760 x 1,200 mm
- » Unladen weight: Approx. 170 kg
- » Lowering/lifting: Approx. 7 sec
- » Deploying/Stowing: Approx. 12 sec
- » Operation: Via push buttons
- » Power unit:
Lowering/Lifting: Electro-hydraulic 12 V
Deploying/Stowing: Rack and pinion drive 12 V
- » EMC tested according to EU regulations

OPTIONAL

- » Bluetooth remote control and app operation (iOS, Android)



Cassette Lift K90

The K90 has been the most successful standard cassette lift for many years. The cassette of the fully automatic K90 is mounted on the side underneath the vehicle and does not interfere with access or use of the passenger compartment. The flat design with a height of 90 mm offers the greatest possible ground clearance. Suitable for vans and larger vehicles (e.g. Mercedes-Benz Sprinter).

SPECIFICATION

- » Very slim design guarantees ultimate ground clearance
- » Illuminated controls, waterproof and shockproof
- » Powerful, silent running function ensures smooth operation of the lifting platform
- » LED flashing lights warn in poor visibility conditions
- » Large lifting platform with side access; also suitable for electric wheelchairs
- » Automatic roll-off safety barrier also operates on uneven road and snow
- » Fully automatic roll-over protection barrier prevents feet from being trapped when lifting the platform
- » Enclosed stainless steel box provides protection for the lift system even in extreme weather conditions
- » No changes to the car body necessary
- » Safety door contact switch prevents incorrect operation while driving
- » Original step is retained, vehicle interior remains unchanged
- » Manual emergency operation with hand pump
- » Complies with EN 1756-2 and DIN 75078-1

TECHNICAL DATA

- » Mounting on the side entry
- » Lift height: 90 mm
- » Load capacity: 300 kg
- » Lifting platform size: Approx. 800 x 1,200 mm
- » Unladen weight: Approx. 165 kg
- » Lowering: Approx. 6 sec
- » Lifting: Approx. 8 sec
- » Deploying/Stowing: Approx. 16 sec
- » Operation: Via push buttons
- » Power unit: Lowering/Lifting: Electro-hydraulic 12 V
Deploying/Stowing: Rack and pinion drive 12 V
- » EMC tested according to EU regulations

OPTIONAL

- » Bluetooth remote control and app operation (iOS und Android)



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LIFTS

Cassette Lift K90 ACTIVE

The K90 ACTIVE cassette lift is the ideal lift for active and independent wheelchair users. This lift requires extremely little space and is particularly suitable for tight parking spaces. Even with a gap of just one metre, the K90 ACTIVE can be easily accessed by wheelchair and masters any kerb situation. The cassette of the fully automatic K90 ACTIVE is mounted on the side underneath the vehicle and does not affect access to or use of the passenger compartment.

SPECIFICATION

- » Very slim design guarantees ultimate ground clearance
- » Illuminated controls, waterproof and shockproof
- » Powerful, silent running function ensures smooth operation of the lifting platform
- » Narrow lifting platform for small space requirement, e.g. tight parking spaces
- » Automatic roll-off safety barrier also operates on uneven road and snow
- » Fully automatic roll-over protection barrier prevents feet from being trapped when lifting the platform
- » Enclosed stainless steel box provides protection for the lift system even in extreme weather conditions
- » Safety door contact switch prevents incorrect operation while driving
- » No changes to the car body necessary
- » Original step is retained, vehicle interior remains unchanged
- » Manual emergency operation with hand pump
- » Complies with EN 1756-2 and DIN 75078-1

TECHNICAL DATA

- » Mounting on the side entry
- » Load capacity: 200 kg
- » Lifting platform size: Approx. 680 x 800 mm
- » Unladen weight: Approx. 140 kg
- » Lowering: Approx. 9 sec
- » Lifting: Approx. 11 sec
- » Deploying/Stowing: Approx. 16 sec
- » Operation: Via push buttons
- » Power unit:
Lowering/Lifting: Electro-hydraulic 12 V
Deploying/Stowing: Rack and pinion drive 12 V
- » EMC tested according to EU regulations

Note: Depending on the vehicle type, it is important to check whether installation is possible.

OPTIONAL

- » Bluetooth remote control and app operation (iOS und Android)



Vehicle Matrix: Cassette Lifts

Vehicle Type	K70 Mounting	K90 Mounting
Volkswagen T6 (no petrol derivatives)	✓	✓*
Volkswagen New Multivan T7	✓	
Volkswagen New Transporter / Ford Custom V710	✓	
Mercedes-Benz Vito / V-Klasse (no petrol derivatives)	✓	
Mercedes-Benz Sprinter		✓
Volkswagen Crafter		✓
Opel Movano (until 2023) / Renault Master / Nissan NV400 (except L1)		✓
Citroën Jumper / Fiat Ducato / Opel Movano (from 2024) / Peugeot Boxer (except L1)		✓

* Installation also possible with 4Motion
K90 ACTIVE cassette lift on request.

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LIFTS

Accessories

REMOTE CONTROL

AMF-Brunns has developed a uniform operating concept for all linear and cassette lifts. The control element is supplied as a wired version as standard.

A wireless control via Bluetooth is offered as an option. It can also be operated via a smartphone app, which is available for iOS and Android, at no extra charge. The remote control via Bluetooth or app offers all the functions of the standard wired control element.

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STANDARD REMOTE CONTROL



BLUETOOTH REMOTE CONTROL



MOBILE OPERATION VIA APP



Item No.	Item Name	
10019883	Bluetooth remote control linear lift	Incl. operation via smartphone app (iOS and Android)
10019884	Bluetooth remote control cassette lift	Incl. operation via smartphone app (iOS and Android)

PROTEKTOR® 2.0

Occupant & Wheelchair Restraint System



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PROTEKTOR® 2.0

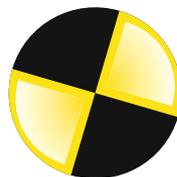
Occupant & Wheelchair Restraint System

In the 1970s, AMF-Brunns was the first manufacturer in the world to develop a retractor 4-point safety system. Other suppliers followed this example only 20 years later. In the meantime, the AMF-Brunns PROTEKTOR system has become the international standard for securing wheelchairs and their occupants in vehicles.

AMF-Brunns' high standards are complemented by dedicated work in national and international standards committees. Close cooperation with institutions including TÜV, the Federal Highway Research Institute (BAST), the Dynamic Test Center (Switzerland) and the Union Technique de l'Automobile, du Motorcycle et du Cycle (France) ensures constant improvement and control of the PROTEKTOR systems. In the company's own test centre, further developments are constantly being driven forward.

In parallel with this development, AMF-Brunns has been permanently testing the PROTEKTOR system according to worldwide standards since the 1970s. In all tests, the safety results of the PROTEKTOR system always exceeded

the required safety standards. Even in the case of heavy electric wheelchairs, the PROTEKTOR restraint system ensures maximum safety.



Dynamic crash tests at a speed of 50 km/h and an acceleration of 20 g, numerous static test series as well as practical driving tests with wheelchairs and dummies prove this repeatedly.

STANDARDS

The AMF-Brunns PROTEKTOR System complies with the following national and international standards:

ISO 10542-1, DIN 75078-2, CSA Z 605, FMVSS/CMVSS, AS 2596, SAE J 2249, 2001/85/EC

PROTEKTOR 2.0 - THE NEW GENERATION

PROTEKTOR 2.0 is the new generation of the proven occupant and wheelchair restraint system and sets new standards in safety, design and functionality!

The retractors convince with a compact, flat design and improved control elements.

SAFE DIVERSITY

The floor anchorage offers 4 stud fitting and mono fitting. The wheelchair attachment can be connected via loop, hook or carabiner. The AMF-Brunns PROTEKTOR system is easy, fast and safe to use and one of the best systems on the market. It is compatible with all wheelchairs and vehicles and is ideal for use with wheelchairs with an integrated lap belt.

Regardless of which variant you choose - BlackSeries, SilverSeries or PlatinumSeries - the PROTEKTOR 2.0 system offers proven safety according to ISO 10542 and DIN 75078.

The PlatinumSeries from AMF-Brunns additionally meets the requirements of DIN 75078-2 and is suitable for applications up to a total weight of 160 kg.



BLACKSERIES

The BlackSeries is tested according to ISO 10542 and is the lightest amongst the retractor systems. It features a robust, black ABS housing and an easy-to-use semi-automatic pull-out.



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BLACKSERIES**Wheelchair Restraint Systems with Loop****4 STUD FITTING / FLEXIBLE**

PROTEKTOR® 2.0 System Pro 2 B LV
with loop and 4 stud fitting, flexible

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

Item No. H 450 502 LV



PROTEKTOR® 2.0 System Pro 4 B LV
with loop and 4 stud fitting, flexible

- 4x retractor belt LV
- 1x pelvis belt

Item No. H 450 504 LV

MONO FITTING

PROTEKTOR® 2.0 System Pro 2 B LM
with loop and mono fitting

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

Item No. H 450 502 LM



PROTEKTOR® 2.0 System Pro 4 B LM
with loop and mono fitting

- 4x retractor belt LM
- 1x pelvis belt

Item No. H 450 504 LM

GENERAL NOTE!

Static belts are only permitted for front attachment.

Wheelchair Restraint Systems with Hook

4 STUD FITTING / FLEXIBLE



PROTEKTOR® 2.0 System Pro 2 B HV
with hook and 4 stud fitting, flexible

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

Item No. H 450 522 HV



PROTEKTOR® 2.0 System Pro 4 B HV
with hook and 4 stud fitting, flexible

- 4x retractor belt HV
- 1x pelvis belt

Item No. H 450 524 HV

MONO FITTING



PROTEKTOR® 2.0 System Pro 2 B HM
with hook and mono fitting

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

Item No. H 450 522 HM



PROTEKTOR® 2.0 System Pro 4 B HM
with hook and mono fitting

- 4x retractor belt HM
- 1x pelvis belt

Item No. H 450 524 HM

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BLACKSERIES**Wheelchair Restraint Systems with Carabiner****4 STUD FITTING / FLEXIBLE**

PROTEKTOR® 2.0 System Pro 2 B CV
with carabiner and 4 stud fitting, flexible

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

Item No. H 450 552 CV



PROTEKTOR® 2.0 System Pro 4 B CV
with carabiner and 4 stud fitting, flexible

- 4x retractor belt CV
- 1x pelvis belt

Item No. H 450 554 CV

MONO FITTING

PROTEKTOR® 2.0 System Pro 2 B CM
with carabiner and mono fitting

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

Item No. H 450 552 CM



PROTEKTOR® 2.0 System Pro 4 B CM
with carabiner and mono fitting

- 4x retractor belt CM
- 1x pelvis belt

Item No. H 450 554 CM

RETRACTORS WITH LOOP



Retractor B LV
with loop and
4 stud fitting, flexible

Item No. H 450 509 LV



Retractor B LM
with loop and
mono fitting

Item No. H 450 509 LM

RETRACTORS WITH HOOK



Retractor B HV
with hook and
4 stud fitting, flexible

Item No. H 450 534 HV



Retractor B HM
with hook and
mono fitting

Item No. H 450 534 HM

RETRACTORS WITH CARABINER



Retractor B CV
with carabiner and
4 stud fitting, flexible

Item No. H 450 564 CV



Retractor B CM
with carabiner and
mono fitting

Item No. H 450 564 CM

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PROTEKTOR® 2.0

Static Belts

STATIC BELT WITH 4 STUD FITTING



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

Item No. H 450 510 LV



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

Item No. H 450 535 HV



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

Item No. H 450 565 CV

STATIC BELT WITH MONO FITTING



Static Belt LM
with loop and
mono fitting
(front attachment)

Item No. H 450 510 LM



Static Belt HM
with hook and
mono fitting
(front attachment)

Item No. H 450 535 HM



Static Belt CM
with carabiner and
mono fitting
(front attachment)

Item No. H 450 565 CM

BELT SYSTEMS



Electric Belt L
with loop
Length: 3.6 m
(front attachment)

Item No. H 450 240 L



Electric Belt H
with hook
Length: 3.6 m
(front attachment)

Item No. H 450 240 H



Electric Belt C
with carabiner
Length: 3.6 m
(front attachment)

Item No. H 450 240 C

HOUSING



Top Cover (ABS)
for electric belt
(front attachment)

Item No. H 350 632



Bottom Cover (ABS)
for electric belt
(front attachment)

Item No. H 350 633



Housing (ABS)
for electric belt,
top and bottom cover
(front attachment)

Item No. H 350 634



Zinc Die-Cast Housing
for electric belt,
top and bottom cover
(front attachment)

Item No. H 350 257

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SILVERSERIES

The ISO 10542 tested SilverSeries has an automatic pull-out. The high-quality zinc die-cast housing is particularly robust and suitable for daily use in the vehicle.



reddot winner 2020

SILVERSERIES

Wheelchair Restraint Systems with Loop

4 STUD FITTING / FLEXIBLE



PROTEKTOR® 2.0 System Pro 2 S LV
with loop and 4 stud fitting, flexible

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

Item No. H 450 501 LV



PROTEKTOR® 2.0 System Pro 4 S LV
with loop and 4 stud fitting, flexible

- 4x retractor belt LV
- 1x pelvis belt

Item No. H 450 503 LV

MONO FITTING



PROTEKTOR® 2.0 System Pro 2 S LM
with loop and mono fitting

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

Item No. H 450 501 LM



PROTEKTOR® 2.0 System Pro 4 S LM
with loop and mono fitting

- 4x retractor belt LM
- 1x pelvis belt

Item No. H 450 503 LM

GENERAL NOTE!

Static belts are only permitted for front attachment.

Wheelchair Restraint Systems with Hook

4 STUD FITTING / FLEXIBLE



PROTEKTOR® 2.0 System Pro 2 S HV
with hook and 4 stud fitting, flexible

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

Item No. H 450 520 HV



PROTEKTOR® 2.0 System Pro 4 S HV
with hook and 4 stud fitting, flexible

- 4x retractor belt HV
- 1x pelvis belt

Item No. H 450 525 HV

MONO FITTING



PROTEKTOR® 2.0 System Pro 2 S HM
with hook and mono fitting

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

Item No. H 450 520 HM



PROTEKTOR® 2.0 System Pro 4 S HM
with hook and mono fitting

- 4x retractor belt HM
- 1x pelvis belt

Item No. H 450 525 HM

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SILVERSERIES**Wheelchair Restraint Systems with Carabiner****4 STUD FITTING / FLEXIBLE**

PROTEKTOR® 2.0 System Pro 2 S CV
with carabiner and 4 stud fitting, flexible

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

Item No. H 450 550 CV



PROTEKTOR® 2.0 System Pro 4 S CV
with carabiner and 4 stud fitting, flexible

- 4x retractor belt CV
- 1x pelvis belt

Item No. H 450 555 CV

MONO FITTING

PROTEKTOR® 2.0 System Pro 2 S CM
with carabiner and mono fitting

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

Item No. H 450 550 CM



PROTEKTOR® 2.0 System Pro 4 S CM
with carabiner and mono fitting

- 4x retractor belt CM
- 1x pelvis belt

Item No. H 450 555 CM

RETRACTORS WITH LOOP



Retractor S LV
with loop and
4 stud fitting, flexible

Item No. H 450 505 LV



Retractor S LM
with loop and
mono fitting

Item No. H 450 505 LM

RETRACTORS WITH HOOK



Retractor S HV
with hook and
4 stud fitting, flexible

Item No. H 450 530 HV



Retractor S HM
with hook and
mono fitting

Item No. H 450 530 HM

RETRACTORS WITH CARABINER



Retractor S CV
with carabiner and
4 stud fitting, flexible

Item No. H 450 560 CV



Retractor S CM
with carabiner and
mono fitting

Item No. H 450 560 CM

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PROTEKTOR® 2.0

Static Belts

STATIC BELT WITH 4 STUD FITTING



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

Item No. H 450 510 LV



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

Item No. H 450 535 HV



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

Item No. H 450 565 CV

STATIC BELT WITH MONO FITTING



Static Belt LM
with loop and
mono fitting
(front attachment)

Item No. H 450 510 LM



Static Belt HM
with hook and
mono fitting
(front attachment)

Item No. H 450 535 HM



Static Belt CM
with carabiner and
mono fitting
(front attachment)

Item No. H 450 565 CM

BELT SYSTEMS



Electric Belt L
with loop
Length: 3.6 m
(front attachment)

Item No. H 450 240 L



Electric Belt H
with hook
Length: 3.6 m
(front attachment)

Item No. H 450 240 H



Electric Belt C
with carabiner
Length: 3.6 m
(front attachment)

Item No. H 450 240 C

HOUSING



Top Cover (ABS)
for electric belt
(front attachment)

Item No. H 350 632



Bottom Cover (ABS)
for electric belt
(front attachment)

Item No. H 350 633



Cover (ABS)
for electric belt,
top and bottom cover
(front attachment)

Item No. H 350 634



Zinc Die-Cast Cover
for electric belt,
top and bottom cover
(front attachment)

Item No. H 350 257

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PLATINUM SERIES • HD160



reddot winner 2020

Occupant & Wheelchair Restraint System

Weight increases due to electric wheelchairs and wheelchair users require a wheelchair restraint system that can withstand higher loads. AMF-Brunns developed the new PROTEKTOR PlatinumSeries after intensive crash tests indicated the need for more durable and robust retractors. The PlatinumSeries is a heavy-duty 4-point securement system for wheelchairs and their occupants, suitable for a total weight of up to 160 kg – creating a new level of safety!

THESE FACTS MAKE ALL THE DIFFERENCE

- » 4-point securement system for use up to a total weight of 160 kg
- » Robust construction and compact design
- » Simple application and easy operation
- » PlatinumSeries is compatible with all wheelchairs and vehicles
- » Complies with ISO 10542, WC18 and DIN 75078-2 with integrated lap belt
- » Ensures a safe connection between wheelchair and vehicle, even if the wheelchair deforms in an accident



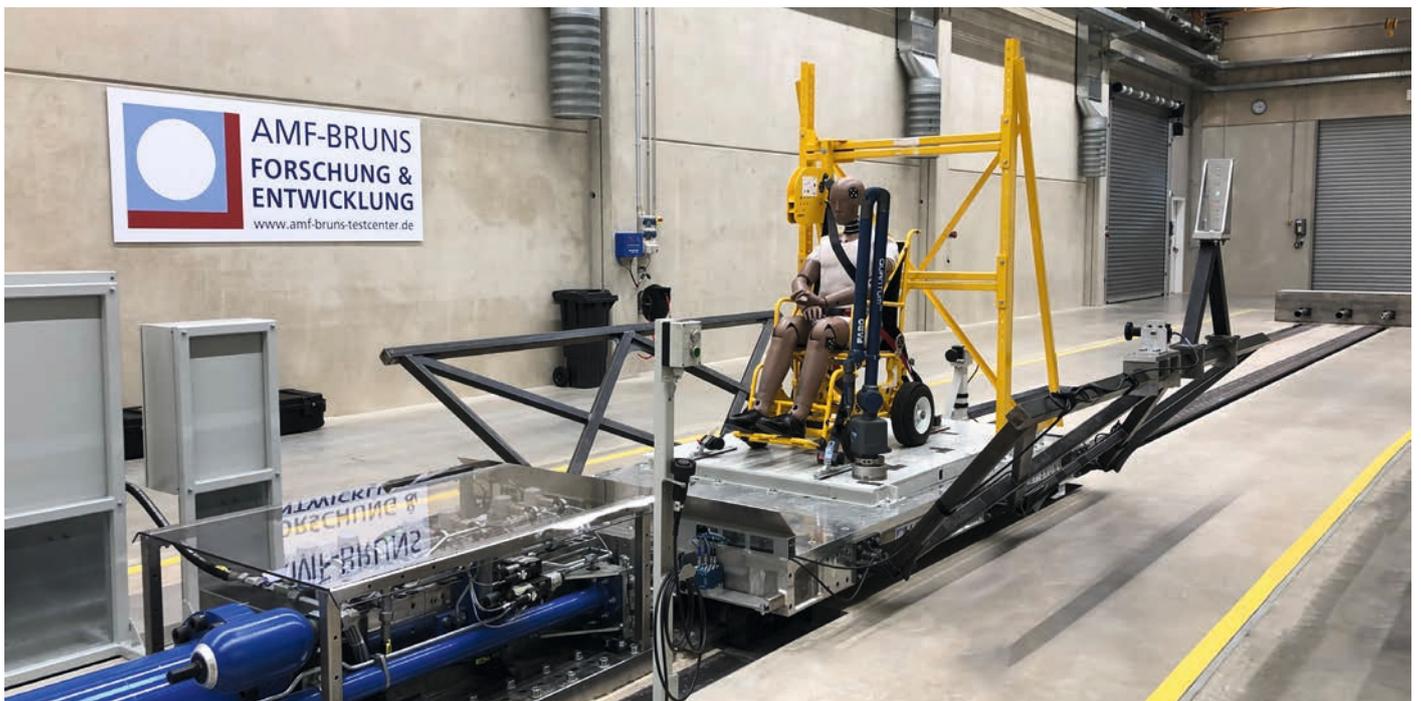
PLATINUMSERIES BLACK

with semi-automatic pull-out and robust ABS housing



PLATINUMSERIES SILVER

with automatic pull-out and high-quality zinc die-cast housing



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PLATINUMSERIES *BLACK*

Retractors

RETRACTORS WITH LOOP



Retractor PB LV
with loop and
4 stud fitting, flexible

Item No. H 450 809 LV



Retractor PB LM
with loop and
mono fitting

Item No. H 450 809 LM

RETRACTORS WITH HOOK



Retractor PB HV
with hook and
4 stud fitting, flexible

Item No. H 450 834 HV



Retractor PB HM
with hook and
mono fitting

Item No. H 450 834 HM

RETRACTORS WITH CARABINER



Retractor PB CV
with carabiner and
4 stud fitting, flexible

Item No. H 450 864 CV



Retractor PB CM
with carabiner and
mono fitting

Item No. H 450 864 CM

4 STUD FITTING / FLEXIBLE

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PROTEKTOR® 2.0 System Pro 4 PB LV
with loop and 4 stud fitting, flexible

- 4x retractor belt LV
- 1x pelvis belt

Item No. H 450 804 LV



PROTEKTOR® 2.0 System Pro 4 PB HV
with hook and 4 stud fitting, flexible

- 4x retractor belt HV
- 1x pelvis belt

Item No. H 450 824 HV



PROTEKTOR® 2.0 System Pro 4 PB CV
with carabiner and 4 stud fitting, flexible

- 4x retractor belt CV
- 1x pelvis belt

Item No. H 450 854 CV

PLATINUMSERIES *SILVER*

Retractors

RETRACTORS WITH LOOP



Retractor PS LV
with loop and
4 stud fitting, flexible

Item No. H 450 805 LV



Retractor PS LM
with loop and
mono fitting

Item No. H 450 805 LM

RETRACTORS WITH HOOK



Retractor PS HV
with hook and
4 stud fitting, flexible

Item No. H 450 830 HV



Retractor PS HM
with hook and
mono fitting

Item No. H 450 830 HM

RETRACTORS WITH CARABINER



Retractor PS CV
with carabiner and
4 stud fitting, flexible

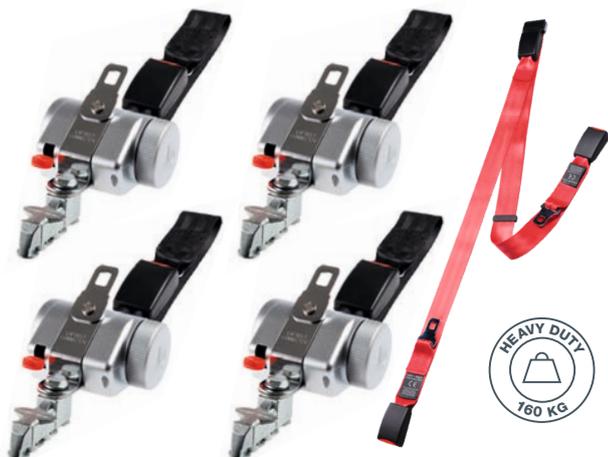
Item No. H 450 860 CV



Retractor PS CM
with carabiner and
mono fitting

Item No. H 450 860 CM

4 STUD FITTING / FLEXIBLE



PROTEKTOR® 2.0 System Pro 4 PS LV
with loop and 4 stud fitting, flexible

- 4x retractor belt LV
- 1x pelvis belt

Item No. H 450 803 LV



PROTEKTOR® 2.0 System Pro 4 PS HV
with hook and 4 stud fitting, flexible

- 4x retractor belt HV
- 1x pelvis belt

Item No. H 450 825 HV



PROTEKTOR® 2.0 System Pro 4 PS CV
with carabiner and 4 stud fitting, flexible

- 4x retractor belt CV
- 1x pelvis belt

Item No. H 450 855 CV

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PROTEKTOR® 2.0

Occupant Restraint Systems



Pelvis Belt

Standard length
Item No. H 450 200
XL length
Item No. H 450 198



Automatic Pelvis Belt with flexible buckle

Length: 300 mm
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 no height adjustment

Item No. H 450 225



Automatic Shoulder Belt height adjustment

Item No. H 450 235



Automatic Shoulder Belt no height adjustment with 2x 4 stud fitting

Item No. H 450 250



Automatic Shoulder Belt height adjustment to the rail with 2x 4 stud fitting

Item No. H 450 239



Static Shoulder Belt with velcro fastener

Item No. H 350 226



Static Shoulder Belt with buckle two-part

Item No. H 350 227



Automatic Shoulder Belt
height adjustment with
retractor

Item No. H 450 255



Harness Belt
(only in combination with
shoulder belt)

4 stud fitting
Item No. H 450 222

Mono fitting
Item No. H 450 223



Automatic 3-Point Belt
no height adjustment

Item No. H 350 230



Automatic 3-Point Belt
height adjustment

Item No. H 450 231



Automatic 3-Point Belt
no height adjustment with
2x 4 stud fitting

Item No. H 350 251



Automatic 3-Point Belt
height adjustment with
2x 4 stud fitting

Item No. H 450 252



**WAV Automatic
3-Point Belt**
no height adjustment with
2x flexible buckle

Item No. H 350 232



**WAV Automatic
3-Point Belt**
height adjustment with
2x flexible buckle

Item No. H 350 233



Secure Loop

Length: 300 mm

Item No. H 350 238

PROTEKTOR® 2.0

Floor Systems

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Surface Rail

not pre-drilled (length)

1,000 mm

1,500 mm

1,750 mm

3,000 mm

Item No. H 150 132

Item No. H 150 134

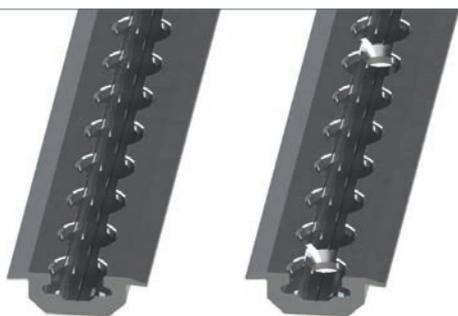
Item No. H 150 135

Item No. H 150 136

pre-drilled (length)

3,000 mm

Item No. H 150 385



Insert Rail

not pre-drilled (length)

1,750 mm

3,500 mm

Item No. H 150 120

Item No. H 150 130

pre-drilled (length)

3,500 mm

Item No. H 150 375

End Cap for Surface Rail

Item No. 200261878



End Cap for Insert Rail

Item No. 200261840



4 Stud Fitting

excl. bolt

Item No. 200414278

incl. bolt

Item No. H 150 615



Mono Disc

(floor mounting)

incl. bolt M12

50 mm

Item No. H 150 917

70 mm

Item No. H 150 919



Mono Fitting

(complete)

incl. bolt M12

50 mm

Item No. H 150 915



Mono Fitting

(headpiece)

incl. bolt M12

50 mm

Item No. H 150 916





Floor Pocket
Item No. 200269390



Zinc Die-Cast Cover
for anchorage points,
top and bottom cover with
90° angle
Item No. H 350 256



EasyBag
for wheelchair restraints
Item No. 10019363



Emergency Cutter
Item No. 10020724

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PROTEKTOR® 2.0

Assembly Kits (Anchorage Points Shoulder Belt)

ANCHORAGE RAIL SOLUTION

Vehicle approved anchorage points of the occupant restraint system

EU Directive 2007/46/EC (214/2014 annex XI, 3) is mandatory in many European countries.

Upper anchorage points

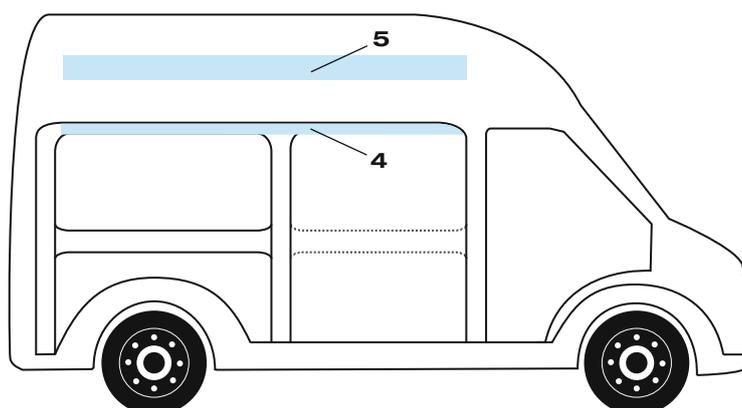
All AMF-Bruns occupant restraint systems – static or automatic shoulder belts in combination with a separate pelvic belt or integrated 3-point belt – have been tested with 24.5 kN forwards and 8.2 kN backwards. AMF-Bruns has developed and offers unique assembly kits for various vehicle models. The pull tests are carried out in the company's own test centre in cooperation with TÜV NORD. All assembly kits are compatible with the AMF-Bruns PROTEKTOR system.

The AMF-Bruns PROTEKTOR System complies with the following national and international standards: ISO 10542-1, DIN 75078-2, CSA Z 605, FMVSS/CMVSS, AS 2596, SAE J 2249, 2001/85/EC

Attention!

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

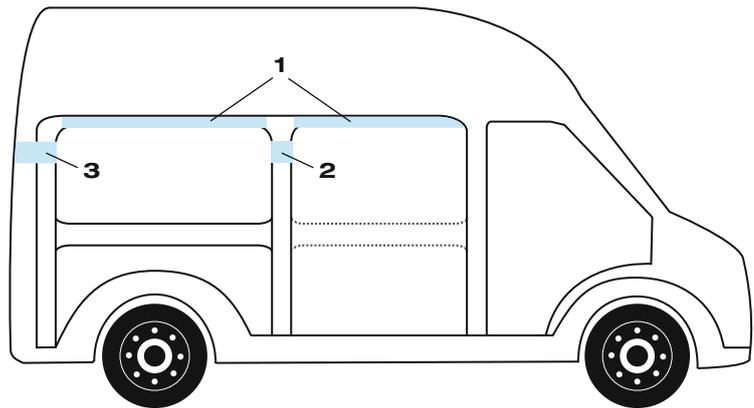
The anchorage rail solution allows flexible use of the passenger compartment. Depending on vehicle type AMF-Bruns offers individual and statically tested kits.



Vehicle Type (without trim)	Assembly Area	Assembly Kit Rail 1 m Item No.	Assembly Kit Rail 3 m Item No.	Mounting Rail 1 m Item No.	Mounting Rail 3 m Item No.
Citroën Jumper / Fiat Ducato / Peugeot Boxer	4	1001 9571	1001 9572	H150 132	H150 136
Citroën Spacetourer / Peugeot Traveller / Toyota Proace	4	1001 9578	1001 9579	H150 132	H150 136
Ford Transit F7 (V363)	4	1001 9578	1001 9579	H150 132	H150 136
MAN TGE / Volkswagen Crafter	5	1002 3548	1002 3549	H150 132	H150 136
Mercedes-Benz Sprinter	4	1001 9680	1001 9681	H150 132	H150 136
Nissan NV400 / Opel Movano / Renault Master	4	1001 9578	1001 9579	H150 132	H150 136
	5	1001 9578	1001 9579	H150 132	H150 136
Volkswagen T6	4	1001 9578	1001 9579	H150 132	H150 136

ANCHORAGE SINGLE POINT SOLUTION

The single point solution is suitable for permanently assigned wheelchair spaces in the vehicle. Depending on vehicle type AMF-Bruns offers individual and statically tested kits. The belt mounting points are installed in the side wall or in the C- or D-pillar of the vehicle. The marked areas in the illustration indicate the anchorage points depending on the vehicle type.



Vehicle Type	Assembly Area	With Trim Item No.	Without trim Item No.
Citroën Jumper / Fiat Ducato / Peugeot Boxer/	1	1001 9565	1001 9564
	2	1001 9564	1001 9564
	3	1001 9563	1001 9562
Citroën Spacetourer / Peugeot Traveller / Toyota Proace	2	-	1002 3562
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
MAN TGE / Volkswagen Crafter	1	1002 3278	1002 3278
	2	1002 3278	1002 3278
	3	1002 3278	1002 3278
Mercedes-Benz Sprinter	1	1001 9676	1001 9676
Mercedes-Benz Vito	2	1001 9679	1001 9679
	3	1001 9678	1001 9679
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 / Renault Master	1	1001 9577	1001 9576
	2	1001 9564	1001 9564
	3	1001 9562	1001 9562
Volkswagen T6	1*	1001 9574	1001 9574
	2	1001 9574	1001 9574

* Only Transporter

PROTEKTOR® 2.0

Tested Vehicles

The following vehicles were tested by TÜV NORD in accordance with Directive 2007/46 with regard to anchorage points:

Vehicle Type	TÜV Report
Citroën Jumper / Fiat Ducato / Opel Movano (from 2024) / Peugeot Boxer	WE 15 2678
Citroën SpaceTourer / Fiat Scudo / Opel Zafira (from 2019) / Peugeot Traveller / Toyota Proace	WE 17 2836-02
Fiat Talento (until 2021) / Opel Vivaro (until 2019) / Renault Trafic / Nissan NV300	WE 24 2968-01
Ford Custom (until 2023)	WE 15 2708
Ford Custom (from 2024) / Volkswagen New Transporter	8122827649
Ford Transit	WE 20 2868
Hyundai H350	WE 17 2838
Hyundai STARIA	8122827720
Mercedes-Benz Sprinter	8123053010
Mercedes-Benz Vito/V-Klasse	WE 22 2938
Opel Movano (bis 2023) / Renault Master / Nissan NV400	WE 20 2870
Saic Maxus V80	WE 19 2858
Volkswagen Crafter / MAN TGE	WE 17 2817
Volkswagen Multivan T7	WE 22 2934
Volkswagen T5/T6/T6.1	8123052998

The above data is for informational purposes only. Please check the manufacturer's vehicle specifications in advance. AMF-Bruns and/or its subsidiaries cannot be held responsible for any deviations.

The reports are also applicable to the electric variants of the various vehicle models. If your vehicle is not listed above, please contact AMF-Bruns directly for further information.

Integrated Lap Belt (Wheelchair Adapter System)

The wheelchair adapter system ProSafe is a specially developed safety system for securing wheelchairs and occupants in a WAV (= wheelchair accessible vehicle).

The AMF-Bruns ProSafe adapter system guarantees quick and error-free attachment of the wheelchair to the vehicle floor.

ADVANTAGES OF THE WHEELCHAIR ADAPTER SYSTEM

- » Fast and error-free attachment (4 clearly defined points)
- » Safe use and optimal guidance of the integrated lap belt (prevention of serious injuries)
- » Compatible with shoulder belt
- » AMF-Bruns is the only manufacturer of the wheelchair adapter system with integrated lap belt
- » Individually adapted to wheelchair

The AMF-Bruns adapter system ProSafe is tested in accordance with ISO 10542-2 / DIN 75078-2. The wheelchair test according to ISO 7176-19 is the responsibility of the wheelchair manufacturers. Wheelchair adapter systems still provide the extra maximum of safety but may only be installed on wheelchairs tested to 20 g by the manufacturers.

The heavy-duty eyelet complies with ISO 7176-19. The AMF-Bruns solution is available to a total weight of maximum 160 kg and is only tested and approved in combination with the AMF-Bruns PROTEKTOR wheelchair restraint system.

You will find more information about wheelchair manufacturers and models on www.kraftknotenadapter.com.



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EASYPULL

Winch & Restraint System



Winch & Wheelchair Restraint System

The EasyPull pulls the wheelchair and its user into the vehicle up a ramp. Attached to the front of the wheelchair, it effortlessly draws the wheelchair inside. As soon as the wheelchair has reached its ideal position, the two belts lock and secure the wheelchair to the vehicle. Two additional retractors anchor the wheelchair in the rear area.

SPECIFICATION

- » The first fully integrated wheelchair restraint system with automatic winch function according to ISO 10542
- » Compact design
- » Easy to use and operate
- » 2 speed levels when unrolling the belts
- » Wireless remote control
- » Individually adjustable end position of the wheelchair in the vehicle
- » Acoustic signal after locking the belt
- » Easy to install

TECHNICAL DATA

- » Load capacity: Approx. 160 kg
- » Belt length: Approx. 4 m
- » Operation: Radio remote control
- » Power unit: Electric, 12 V
- » Dimensions: Approx. 530 x 160 x 110 mm
- » Installation: Retrofittable
- » Front crash tested with 20 g
- » EMC tested according to EU regulations

Item No.	Item Name
H 450 300 L	EasyPull with loop
H 450 300 H	EasyPull with hook



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FUTURE**SAFE** 2.0

Head & Backrest



Head & Backrest for Passengers

The head and backrest FutureSafe ensures maximum safety for the wheelchair user. Like every person in a vehicle, wheelchair users should be protected as best as possible from the consequences of an accident by a headrest and a stable backrest. The FutureSafe is a flexibly adjustable, patented safety system with an integrated shoulder belt that is used together with a wheelchair anchorage for the vehicle floor.

The head and backrest from AMF-Bruns sets a new standard in safety worldwide!

Numerous crash tests prove:

- ✓ FutureSafe is the only fully integrated safety system with headrest and back support.
- ✓ The head and backrest FutureSafe ensures optimum safety in the event of a rear-end collision.
- ✓ The integrated shoulder belt provides the necessary safety in the event of a frontal impact.

SPECIFICATION

- » The patented system is safe, space-saving and comfortable
- » Integrated 2-point shoulder belt
- » Headrest and back support are individually adjustable
- » With two hand straps, the headrest and back support can be easily swivelled separately
- » New design with comfortable upholstery, visually adapted to the vehicle equipment
- » Extra comfort with additional cushions for head and backrest (optionally available in three sizes)
- » Floor and wall mounting available for large vehicles

TECHNICAL DATA

- » Split headrest and back support; integrated telescopic lock for easy length adjustment; 180° swivelling
- » Height-adjustable; suitable for all common wheelchair types
- » Simple and safe operation via cable pull technology and push buttons
- » 20 g front crash tested, integrated automatic shoulder belt
- » Weight saving of up to 15 % (vs. previous model)



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FLOOR MOUNTING

Item No.	Vehicle Type	Position (direction of travel)		Belt height-adjustable		Base	
		left	right	no	yes	short	long
200926179	Volkswagen Caddy 5 / Ford Connect (from 2022)	x		x		x	
200938357		x			x	x	
200938483	Volkswagen Caddy 4	x		x			x
200938484		x			x		x
200938483	Ford Connect (until 2019)	x		x			x
200938484		x			x		x
200938494	Mercedes-Benz Citan (from 2022) / Renault Kangoo (from 2022) / Nissan Townstar	x		x		x	
200938495		x			x	x	
200938483	Stellantis K9 / eK9 Stellantis K0 / eK0 Toyota Proace City (Electric) / Toyota Proace (Electric)	x		x			x
200938484		x			x		x
200938483	Mercedes-Benz Vito / V-Klasse / EQV	x		x			x
200938484		x			x		x
200938483	Fiat Talento / Nissan NV300 / Renault Trafic	x		x			x
200938484		x			x		x
200936346	Large vehicles in general	x		x			x
200938364		x			x		x
200938368			x	x			x
200938366			x		x		x

WALL MOUNTING

Item No.	Vehicle Type	Position (direction of travel)		Belt height-adjustable	
		left	right	no	yes
200937642	Large vehicles in general	x			x
200940826		x		x	
200938374			x		x
200940825			x	x	x



STEPS
for the Side Door

STEPS

SmartStep - Electric Step for the Side Door

The fully electric step is mounted under the vehicle at the side door. When opening the sliding door, the step extends automatically and retracts again when the door is closed. A signal lamp on the dashboard indicates whether the electric step is in use or not.

SPECIFICATION

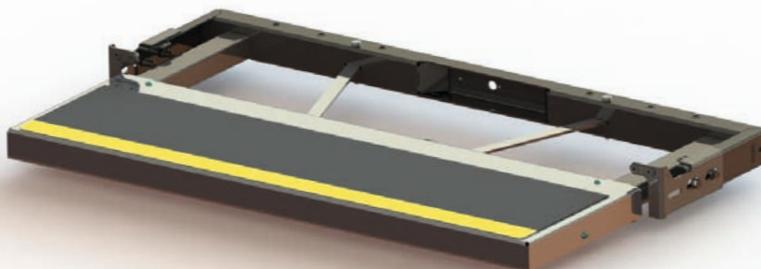
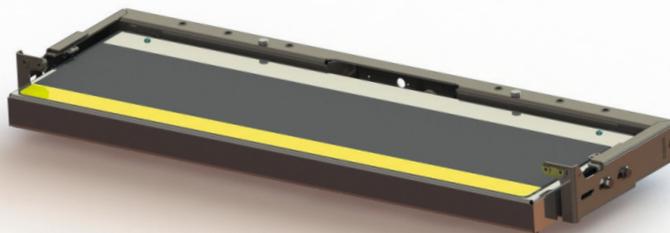
- » Fully automatic step - operated by opening/closing the sliding door
- » Powerful motor
- » Compact, robust design
- » Anti-slip surface
- » High-quality processing, absolutely weatherproof
- » Visual warning signal (dashboard) when step is extended
- » Pinch protection - step stops in the event of an obstacle
- » No modification to the vehicle body necessary
- » Complies with DIN 75078 and covers 70 % of the vehicle entrance area

TECHNICAL DATA

- » Mounting on the side entry
- » Material: Stainless steel
- » Slip resistance: R11
- » Load capacity: 250 kg
- » Width/Weight: 600 mm / approx. 23 kg
900 mm / approx. 27 kg
1,100 mm / approx. 32 kg
- » Deploying/Stowing: Approx. 2 sec
- » Operating voltage: 12 V (splash-proof motor/ protection class IP66)
- » Operation: Fully electric by opening/closing of the side door
- » EMC tested according to EU regulations
- » Availability: See overview table



Type	Vehicle	built from (YOM)	Length / Wheelbase (mm)			Door		Item No.		
			short	medium	long	right	left	600 mm	900 mm	1,100 mm
V710	Ford Custom / Volkswagen Transporter	2024	L1 3,100	L2 3,500		x	x	10026488	10026489	-
V362	Ford Custom (until 2024)	2012	L1 2,933			x	x	10025886	-	-
V362	Ford Custom / Hybrid (until 2024)	2012		L2 3,300		x	x	10025886	10025887	-
F7	Ford Transit	2013	L2 3,300	L3 3,750		x	x	10025902	10025903	10025904
F7	Ford E-Transit	2022	L2 3,300	L3 3,750		x	x	10025907	10025908	10025909
906-907	Mercedes-Benz Sprinter (RWD)	2013	Short 3,250			x	x	10026405	10025892	-
906-907	Mercedes-Benz Sprinter (RWD)	2013	Standard 3,665	Long 4,325	Extra Long 4,325	x	x	10026405	10025892	10025893
447	Mercedes-Benz Vito / Mercedes-Benz V-Class	2015	L1 3,200	L2 3,430		x		10025894	10025895	-
	Volkswagen T6	2015	L1 3,003	L2 3,403		x		10025877	10025878	-
	Volkswagen Crafter / MAN TGE	2017	L3 3,640	L4 4,490	L5 4,490	x		10025896	10025897	10025898
	Volkswagen Crafter / MAN TGE (FWD)	2017	L3 3,640	L4 4,490	L5 4,490		x	-	-	10025899
	Volkswagen Crafter / MAN TGE (RWD)	2017	L3 3,640	L4 4,490	L5 4,490		x	-	-	10025900
K9	Citroën Berlingo / Fiat Doblò / Opel Combo / Peugeot Rifter / Toyota Proace City	2019		L2 2,975		x	x	10025901	-	-
K0/eK0	Citroën SpaceTourer / Fiat Scudo Opel Zafira / Peugeot Traveller / Toyota Proace	2019		L2 3,275	L3 3,275	x	x	10025879	10025880	-
X250	Citroën Jumper / Fiat Ducato Opel Movano / Peugeot Boxer / Toyota Proace Max	2021	L1 3,000	L2 3,450	L3 4,035	x	x	10025881	10025882	10025883



STEPS

Fixed Step for the Side Door

This high-quality step not only impresses visually, but also technically. Thanks to the aluminium tread, the fixed step has a very low weight and is therefore considerably lighter than comparable steps. The step is mounted on the side entry under the vehicle. Installation does not require any further approval by an expert.

SPECIFICATION

- » Lightweight aluminium tread with anodised surface
- » Non-slip surface
- » Robust construction
- » Easy to install
- » No electrical connection needed
- » Complies with DIN 75078 and covers 70 % of the vehicle entrance area
- » Step with General Operating Permit (ABE), installation without further approval by an expert

TECHNICAL DATA

- » Mounting on the side entry
- » Material: Aluminium, anodised
- » Slip resistance: R11
- » Load capacity: 150 kg
- » Availability: See overview table



Item No.	Vehicle Type	Wheelbase			Drive		Step Depth (mm)	Step Width (mm)	Total Width (mm)	Weight (kg)
		short	medium	long	RWD	FWD				
200924434	Ford Transit F7		x	x		x	190	1460	1475	15,0
200924435			x	x	x		190	1460	1475	13,4
200924436	Ford Transit Custom	x		x		x	190	1165	1180	13,1
200924437	Volkswagen T5 / T6	x		x		x	190	1165	1180	9,5
200924438	Mercedes-Benz Sprinter (until 2019)		x	x	x		190	1460	1475	14,5
200924439		x			x		190	1165	1180	13,6
200924440	Volkswagen Crafter / MAN TGE		x	x	x	x	190	1460	1475	13,6
200924441	Mercedes-Benz Sprinter (until 2019)		x	x	x		190	1460	1475	14,5
200924442		x			x		190	1165	1180	13,6
200924443	Citroën Jumper / Fiat Ducato / Peugeot Boxer		x	x		x	190	1460	1475	9,5
200939292	Maxus eDELIVER 9		x			x	190	1460	1475	18

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LOWERING SUSPENSION & ACCESS RAMPS



Hydraulic Lowerable Wheelchair Accessible Vehicle

The lowering suspension is a particularly quick and simple solution for transporting wheelchairs. The rear of the vehicle is lowered within seconds, allowing easy access for the wheelchair via a short ramp. Unfolding the ramp is very easy to operate. Once the ramp has been stowed away ready for departure, the system lifts automatically when the rear doors are closed.

SPECIFICATION

- » Hydraulic lowering suspension for vehicles with access ramp
- » Ramp with anti-slip surface
- » Easy lowering of the vehicle rear by pushing a button
- » Automatic lifting of the vehicle rear by closing the rear doors/ tailgate
- » Safety valves ensure smooth lowering and lifting of the vehicle
- » Ramp available in various sizes

TECHNICAL DATA

- » Lifting/Lowering device: Powerful, low-noise 12 V hydraulic unit
- » Power unit: Electro-hydraulic (vehicle battery)
- » Operation: Lowering: Rocker switch in the rear
Lifting: Automatically by closing the rear doors/tailgate
- » Ramp crash tested with 20 g
- » EMC tested according to EU regulations



Vehicle ready for departure (original height)



Lowered vehicle

Item No.	Item Name	Scope of Delivery
10023226	Citroën Jumper / Fiat Ducato / Peugeot Boxer	Hydraulic kit for lowering suspension (without access ramp)
10023273	Ford Transit F7 L2	
10023279	Ford Transit F7 L3	
10022600	Mercedes-Benz Sprinter L2	
10022601	Mercedes-Benz Sprinter L3	
10022613	Opel Movano (until 2023) / Renault Master / Nissan NV400	
10023007	Volkswagen Crafter / MAN TGE	
10023266	Volkswagen T6	

RAMPS

Euro Ramp

The Euro ramp is a simple solution that makes vehicles accessible to wheelchair users. It is manually operated and the gas spring support guarantees easy folding and unfolding without any effort. The special AMF-Bruns profile ensures a non-slip surface.

The lightweight AMF-Bruns Euro ramp is mounted in the rear of the vehicle and is available in various heights and widths. The ramp can be quickly installed and removed using star grips. Optionally the Euro ramp is available as a swivelling ramp and as a ramp with increased load capacity.

SPECIFICATION

- » Non-slip surface due to hole profile
- » Ramp foldable in the center
- » Easy operation with handles, gas spring supported
- » Various sizes available
- » Easy installation and removal of the ramp

TECHNICAL DATA

- » Mounting on rear entry
- » Design: Foldable in the centre
- » Material: Solid aluminium
- » Slip resistance: R11
- » Unladen weight: 35 - 53 kg, depending on ramp size
- » Load capacity: 300 kg
- » Operation: Folding and unfolding with two handles, gas strut supported
- » Quick lock: 4 star screw
- » 20 g front crash tested

OPTIONAL

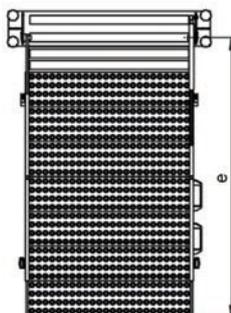
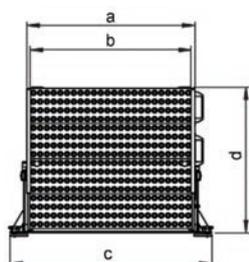
- » Pivot bearing with 90° outward swivel
- » Additional support increases load capacity by 200 kg



Item No.	Item Name	Dimensions (mm)	Load Capacity (kg)
H20115	Euro ramp	2.000 x 800	300
H20101	Euro ramp	2.400 x 600	300
H20104	Euro ramp	2.400 x 700	300
H20110	Euro ramp	2.400 x 800	300
H20107	Euro ramp	2.400 x 900	300
H20133	Euro ramp	2.400 x 1.200	300
H20114	Euro ramp	2.800 x 900	300
H20116	Euro ramp	2.800 x 1.200	300
On request	Euro ramp with pivot bearing, 90° swivelling		
On request	Euro ramp with extra support, 200 kg increased load capacity		500



Item No.	Dimensions (mm)	Model	Dimensions (mm)						
			a	b	c	d	e	f	g
H20101	2.400 x 600	Standard	640	600	830	1.230	2.390	60	215
H20104	2.400 x 700	Standard	740	700	930	1.230	2.390	60	215
H20107	2.400 x 900	Standard	950	910	1.140	1.230	2.390	80	230
H20110	2.400 x 800	Standard	840	800	1.030	1.230	2.390	60	215
H20114	2.800 x 900	Standard	950	910	1.140	1.430	2.780	100	245
H20115	2.000 x 800	Standard	840	800	1.030	1.030	1.990	60	215



RAMPS

Telescopic Channel Ramp

AMF-Brunns ramps are a cost-effective alternative for occasional use.

The telescopic aluminium access rails are positioned individually next to each other on the edge of the vehicle door. This allows the wheelchair to be rolled into the vehicle on the rails. The wheelchair can be empty or with a person on board. The telescopic aluminium access rails can be conveniently stored in the vehicle when not in use. Thanks to their low weight and side-mounted handles, the collapsed rails are easy to carry.

SPECIFICATION

- » Super lightweight and non-slip due to special aluminium profile
- » Easy handling
- » Easy to carry due to grab handles
- » Robust design
- » Collapsible to handy dimensions
- » Suitable for all vehicles

TECHNICAL DATA

- » Mounting on rear or side entry
- » Weight: Approx. 12 kg
- » Design: Telescopic rails
- » Load capacity: Up to 300 kg (150 kg per rail)
- » Material: Solid aluminium
- » Length (extended): 2,000 mm
- » Slip resistance: R11
- » Length (collapsed): 1,200 mm

Item No.	Item Name	Quantity
10022633	Telescopic Channel Ramp	2 access rails



REAR CUT FLOOR for Wheelchair Accessible Vehicles



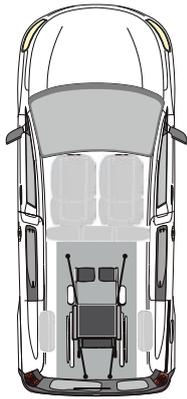
All access ramps with EasyUse function are user-friendly and can be operated extremely easily and effortlessly with one hand.

Ford Tourneo Connect / Volkswagen Caddy

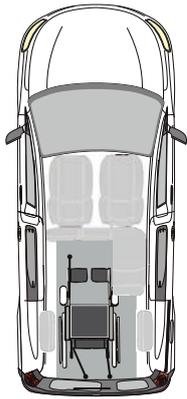


SEATING ARRANGEMENTS

May vary depending on the wheelchair size

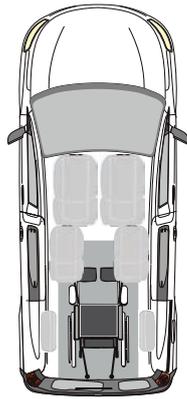


2 + 1
7 + 0

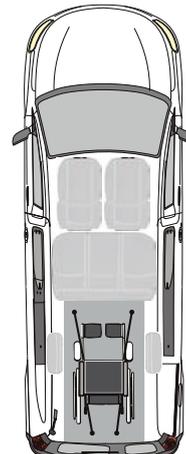


3 + 1
7 + 0

Tourneo Connect /
Caddy



4 + 1
6 + 0



5 + 1

Grand Tourneo Connect /
Caddy Maxi



7 + 0

Note: After the conversion, the factory solution as a 7-seater is no longer possible

OPTIONAL

- » EasyFlex ramp
- » FutureSafe head & backrest
- » Two single seats in 2nd row (SWB)
- » Tip & fold seats in 3rd row

TECHNICAL DATA

- » Ramp: Solid aluminium with anti-slip surface, gas strut supported, EasyUse function allows extremely easy and effortless operation with one hand
- » Wheelchair area interior floor dimensions: SWB: Width approx. 810 mm x length approx. 1,440 mm
LWB: Width approx. 810 mm x length approx. 1,500 mm
- » Wheelchair area height dimensions: Rear entrance height approx. 1,450 mm;
Interior height approx. 1,415 mm (rear area)
- » Original fuel tank (LWB only), exhaust and bench seat in 2nd row remain

Conversion kit: Information on request

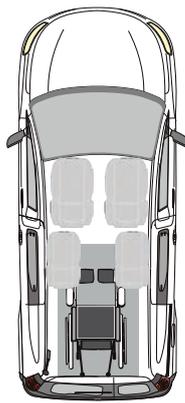
Stellantis K9 / Toyota Proace City



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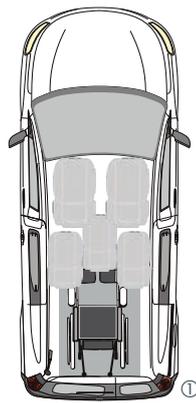
SEATING ARRANGEMENTS

May vary depending on the wheelchair size



4 + 1
4 + 0

Berlingo M / Doblò L1 / Combo Life / Rifter L1 / Proace City L1

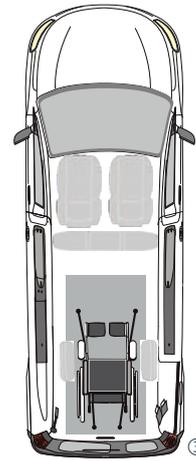


4 + 1
5 + 0



5 + 1
7 + 0

Berlingo XL / Doblò L2 / Combo Life XL / Rifter L2 / Proace City L2



2/5 + 1
7 + 0

- ① Three single seats in 2nd row, centre seat (optional) slidable and removable (L1 only for small wheelchairs suitable)
- ② Three single seats in 2nd row, two optional tip & fold seats in 3rd row
- ③ Original bench seat in 2nd row (foldable), two optional tip & fold seats in third row

OPTIONAL

- » EasyFlex ramp
- » FutureSafe head & backrest
- » Single seats or original bench seat in 2nd row
- » Tip & fold seats in 3rd row (LWB)

TECHNICAL DATA

- » Ramp: Solid aluminium with anti-slip surface, gas strut supported, EasyUse function allows extremely easy and effortless operation with one hand
- » Wheelchair area interior floor dimensions: Width approx. 810 mm x length approx. 1,400 mm
- » Wheelchair area height dimensions: Rear entrance height approx. 1,450 mm; Interior height approx. 1,410 mm (rear area)
- » Original fuel tank and original AdBlue tank remain

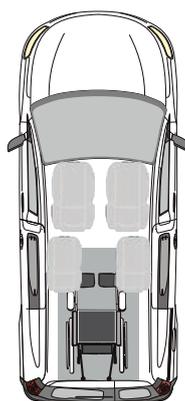
Conversion kit: Information on request



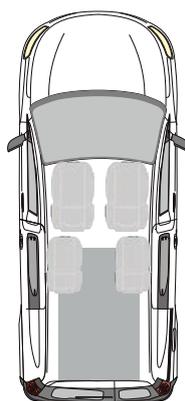
Mercedes-Benz Citan / Renault Kangoo / Nissan Townstar



SEATING ARRANGEMENTS



4 + 1



4 + 0



5 + 1



7 + 0

Citan Standard / Kangoo /
Townstar L1Citan Long / Grand Kangoo /
Townstar L2

OPTIONAL

- » EasyFlex ramp
- » FutureSafe head & backrest
- » Two single seats or original bench seat in 2nd row
- » Tip & fold seats in 3rd row (LWB)

TECHNICAL DATA

- » Ramp: Solid aluminium with anti-slip surface, gas strut supported, EasyUse function allows extremely easy and effortless operation with one hand
- » Wheelchair area interior floor dimensions: SWB: Width approx. 810 mm x length approx. 1,480 mm
LWB: Width approx. 810 mm x length approx. 1,300 mm
- » Wheelchair area height dimensions: Rear entrance height approx. 1,420 mm;
SWB: Interior height approx. 1,420 mm (rear area)
LWB: Interior height approx. 1,430 mm (rear area)
- » Conversion only available for vehicles with a petrol engine (not diesel)
Conversion kit: Information on request

Ford Courier



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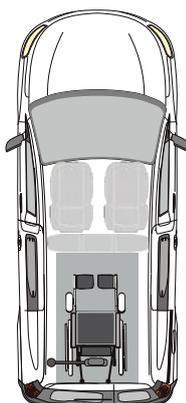
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SEATING ARRANGEMENTS



2 + 1



5 + 0

Courier

OPTIONAL

» EasyFlex ramp

» FutureSafe head & backrest

TECHNICAL DATA

- » Ramp: Solid aluminium with anti-slip surface, gas strut supported, EasyUse function allows extremely easy and effortless operation with one hand
- » Wheelchair area interior floor dimensions: Width approx. 810 mm x length approx. 1,500 mm (approx. 1,320 mm with original bench seat folded up in 2nd row)
- » Wheelchair area height dimensions: Rear entrance height approx. 1,410 mm; Interior height approx. 1,420 mm (rear area)
- » Original fuel tank remains

Conversion kit: Information on request

Mercedes-Benz Vito (FWD)



SEATING ARRANGEMENTS

Picture shows double seat for co-driver; one seat less for single passenger



6 + 1



8 + 0

Vito Long



6 + 1



8 + 0

Vito Extra Long

OPTIONAL

- » EasyFlex ramp
- » FutureSafe head & backrest
- » Tip & fold seats in 3rd row

TECHNICAL DATA

- » Ramp: Solid aluminium with anti-slip surface, gas strut supported, EasyUse function allows extremely easy and effortless operation with one hand
- » Wheelchair area interior floor dimensions: Width approx. 810 mm x length approx. 1,300 mm
- » Wheelchair area height dimensions: Rear entrance height approx. 1,500 mm; Interior height approx. 1,450 mm (rear area)
- » Original fuel tank remains

Conversion kit: Information on request

Mercedes-Benz Vito (RWD) / Mercedes-Benz V-Class



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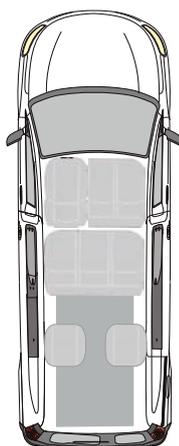
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SEATING ARRANGEMENTS

Picture shows double seat for co-driver; one seat less for single passenger



6 + 1



8 + 0



6 + 1



8 + 0

Vito Long /
V-Class LongVito Extra Long /
V-Class Extra Long**OPTIONAL**

- » EasyFlex ramp
- » FutureSafe head & backrest
- » Tip & fold seats in 3rd row

TECHNICAL DATA

- » Ramp: Solid aluminium with anti-slip surface, gas strut supported, EasyUse function allows extremely easy and effortless operation with one hand
- » Wheelchair area interior floor dimensions: Width approx. 810 mm x length approx. 1,300 mm
- » Wheelchair area height dimensions: Rear entrance height approx. 1,470 mm;
Interior height approx. 1,425 mm (rear area)
- » Original fuel tank remains

Conversion kit: Information on request

Stellantis K0 / Toyota Proace



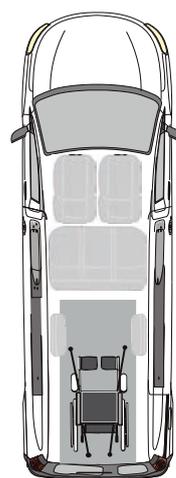
SEATING ARRANGEMENTS



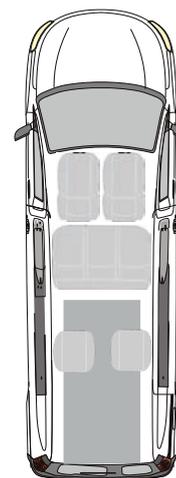
5 + 1

SpaceTourer M / Scudo L2 / Zafira Life M /
Traveller L2 / Proace L1

7 + 0



5 + 1

SpaceTourer XL / Scudo L3 / Zafira Life L /
Traveller L3 / Proace L2

7 + 0

OPTIONAL

- » EasyFlex ramp
- » FutureSafe head & backrest

- » Tip & fold seats in 3rd row

TECHNICAL DATA

- » Ramp: Solid aluminium with anti-slip surface, gas strut supported, EasyUse function allows extremely easy and effortless operation with one hand
- » Wheelchair area interior floor dimensions: SWB: Width approx. 810 mm x length approx. 1,400 mm
LWB: Width approx. 810 mm x length approx. 1,710 mm
- » Wheelchair area height dimensions: Rear entrance height approx. 1,500 mm;
Interior height approx. 1,420 mm (rear area)
- » Original fuel tank remains

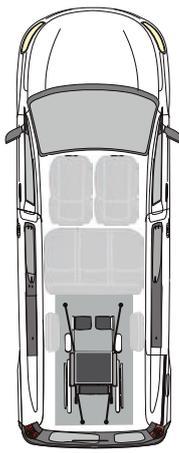
Conversion kit: Information on request

Ford Custom / Volkswagen New Transporter

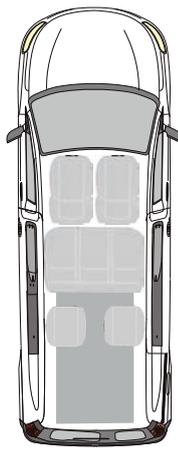


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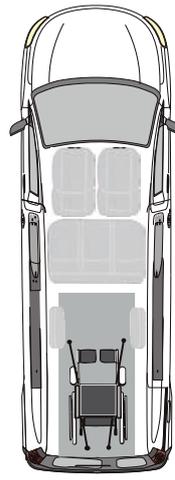
SEATING ARRANGEMENTS



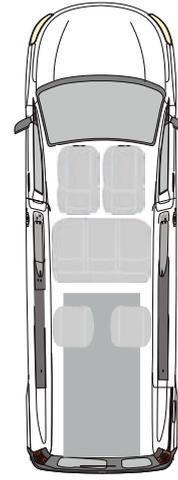
5 + 1



7 + 0



5 + 1



7 + 0

Custom L1 /
New Transporter L1

Custom L2 /
New Transporter L2

OPTIONAL

- » EasyFlex ramp
- » FutureSafe head & backrest
- » Tip & fold seats in 3rd row

TECHNICAL DATA

- » Ramp: Solid aluminium with anti-slip surface, gas strut supported, EasyUse function allows extremely easy and effortless operation with one hand
- » Wheelchair area interior floor dimensions: Width approx. 810 mm x length approx. 1,550 mm
- » Wheelchair area height dimensions: Rear entrance height approx. 1,570 mm; Interior height approx. 1,510 mm (rear area)
- » Original fuel tank and bench seat in 2nd row remain

Conversion kit: Information on request

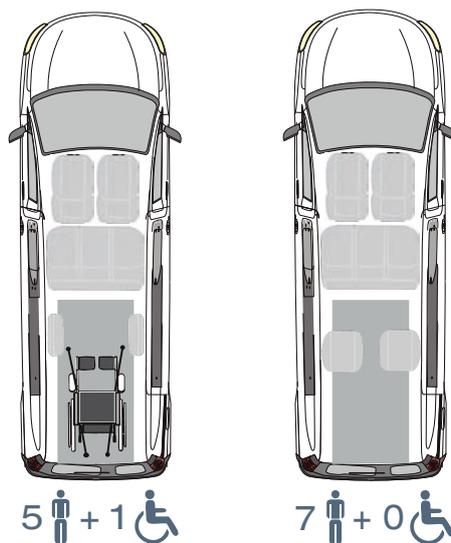
Note: Conversion suitable from 3.2 tonnes



Hyundai STARIA



SEATING ARRANGEMENTS



STARIA

OPTIONAL

- » EasyFlex ramp
- » FutureSafe head & backrest
- » Tip & fold seats in 3rd row

TECHNICAL DATA

- » Ramp: Solid aluminium with anti-slip surface, gas strut supported, EasyUse function allows extremely easy and effortless operation with one hand
- » Wheelchair area interior floor dimensions: Width approx. 810 mm x length approx. 1,420 mm
- » Wheelchair area height dimensions: Rear entrance height approx. 1,590 mm; Interior height approx. 1,500 mm (rear area)
- » Original fuel tank and exhaust remain

Conversion kit: Information on request

REAR CUT FLOOR CONVERSION KITS

Vehicle Matrix

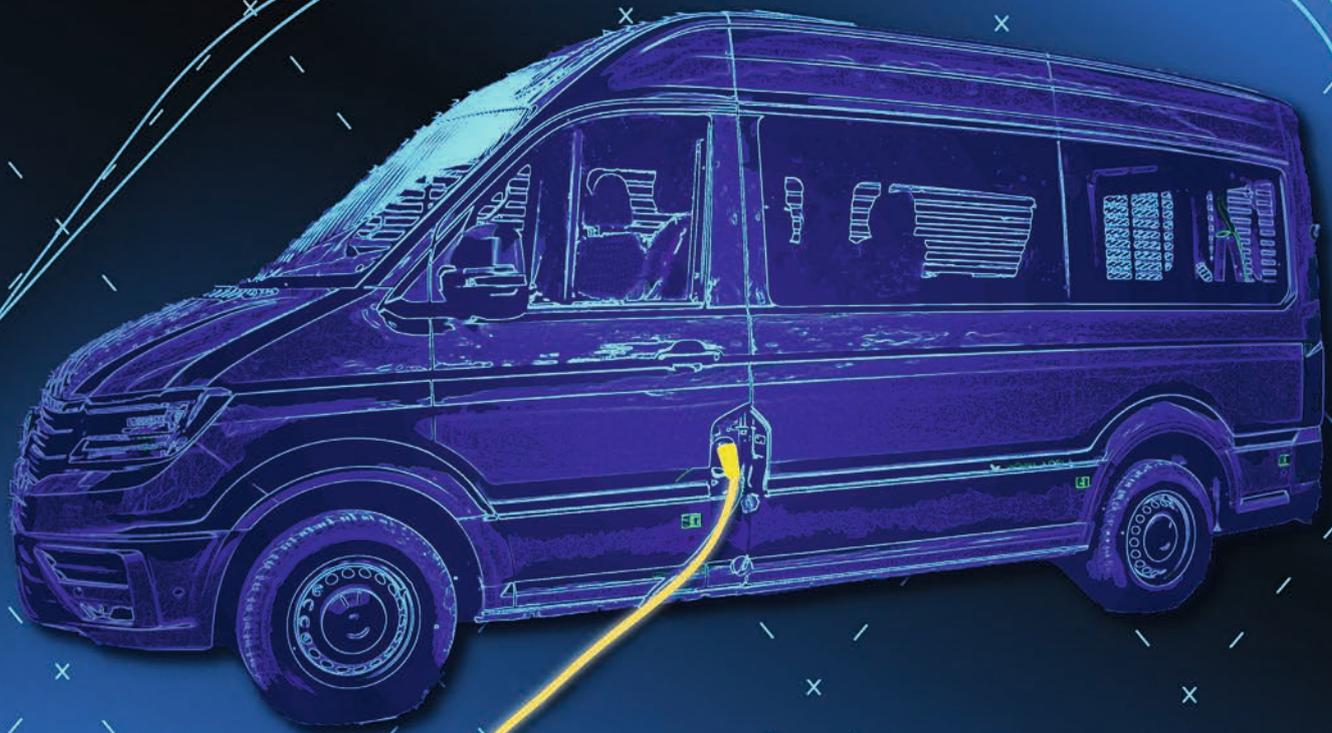
Length (mm)	Wheelbase (mm)	Con-version	Identical Vehicles				
			Model 1	Model 2	Model 3	Model 4	Model 5
L1 4.337	2.692	✓	Ford Courier				
L1 4.500	2.755	✓	Ford Connect	Volkswagen Caddy			
L2 4.853	2.970	✓	Ford Grand Connect	Volkswagen Caddy Maxi			
L1 4.403	2.785	✓	Citroën Berlingo L1	Fiat Doblò L1	Opel Combo Life	Peugeot Rifter L1	Toyota Proace City L1
L2 4.753	2.975	✓	Citroën Berlingo L2	Fiat Doblò L2	Opel Combo Life XL	Peugeot Rifter L2	Toyota Proace City L2
L1 4.498	2.716	✓	Mercedes-Benz Citan Standard	Renault Kangoo	Nissan Townstar L1		
L2 4.922	3.100	✓	Mercedes-Benz Citan Long	Renault Grand Kangoo	Nissan Townstar L2		
L1 4.895	3.200	✗	Mercedes-Benz Vito Compact	Mercedes-Benz V-Class Compact			
L2 5.140	3.200	✓	Mercedes-Benz Vito Long	Mercedes-Benz V-Class Long			
L3 5.370	3.430	✓	Mercedes-Benz Vito Extra Long	Mercedes-Benz V-Class Extra Long			
L1 4.609	2.925	✗	Citroën SpaceTourer XS	Fiat Scudo L1	Opel Zafira Life S	Peugeot Traveller L1	Toyota Proace Compact
L2 4.959	3.275	✓	Citroën SpaceTourer M	Fiat Scudo L2	Opel Zafira Life M	Peugeot Traveller L2	Toyota Proace L1
L3 5.309	3.275	✓	Citroën SpaceTourer XL	Fiat Scudo L3	Opel Zafira Life L	Peugeot Traveller L3	Toyota Proace L2
L1 5.050	3.100	✓	Ford Custom L1	Volkswagen New Transporter L1			
L2 5.450	3.500	✓	Ford Custom L2	Volkswagen New Transporter L2			
L1 5.253	3.273	✓	Hyundai STARIA				

Different fuel types can have an impact on the conversion.
Please contact AMF-Bruns for further information.

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ELECTROMOBILITY

Fully Electric Vehicles



The future of commercial wheelchair accessible buses, taxis and private vehicles is electric!

AMF-Bruns converts electric vehicles of various brands into versatile wheelchair accessible vehicles or into people mover for comfortable passenger transportation without a wheelchair.

The entire AMF-Bruns production team is regularly trained and qualified to work on electric vehicles.

ELECTRIC VEHICLES

SAIC Maxus eDeliver 9

**SPECIFICATION**

- » Fully electric linear lift AL1 or Euro ramp in the rear area
- » PROTEKTOR 2.0 occupant & wheelchair restraint system (ISO approved)
- » Flexible & individually planned SMARTFLOOR system flooring
- » Quick and flexible design of the passenger compartment thanks to removable single seats (max. 6 seats)
- » Smartseats with upholstery or artificial leather
- » Grab handle at side entry
- » Fixed step at side entry facilitates access to the passenger cabin
- » Glazing, interior trim and roof liner of passenger cabin by AMF-Bruns

SEATING ARRANGEMENTS

Vehicle with double seat for co-driver

- » **Linear Lift AL1:**
7 passengers + 1 driver, alternatively up to 4 wheelchairs
- » **Euro Ramp:**
8 passengers + 1 driver, alternatively up to 4 wheelchairs
- » **People Mover:**
8 passengers + 1 driver

TECHNICAL DATA (according to manufacturer)

- » Battery capacity: 72 kWh
- » Range (WLTP): Up to 236 km
- » Engine output: 150 kW max.
- » Charging time: **Direct current (DC):** 20-80 % in approx. 35 minutes
Alternating current (AC): 11 kW three-phase power supply from 5-100 % in 6-9 hours

Note: With double seat for co-driver up to 6 single seats in the passenger compartment (only applies to 72 kWh battery capacity).

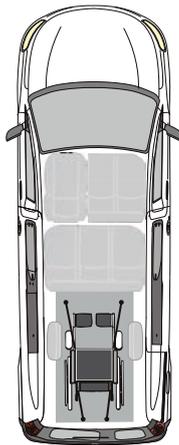
Mercedes-Benz eVito / Mercedes-Benz EQV



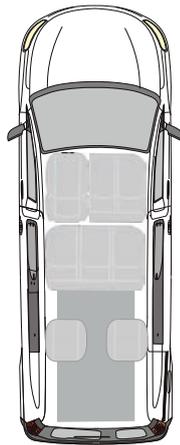
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SEATING ARRANGEMENTS

Picture shows double seat for co-driver; one seat less for single passenger



6 + 1



8 + 0

eVito Long / EQV Long



6 + 1



8 + 0

eVito Extra Long / EQV Extra Long

OPTIONAL

- » EasyFlex ramp
- » FutureSafe head & backrest
- » Tip & fold seats in 3rd row

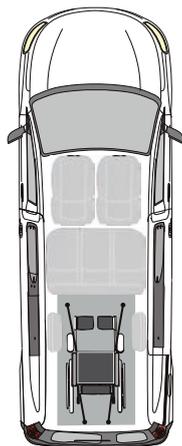
TECHNICAL DATA (according to manufacturer)

- » Battery capacity: 90 kWh usable / 100 kWh installed
- » Range (WLTP): Up to 421 km
- » Engine output: 150 kW max.
- » Ramp: Solid aluminium with anti-slip surface, gas strut supported, EasyUse function
- » Wheelchair area interior floor dimensions: Width approx. 810 mm x length approx. 1,300 mm
- » Wheelchair area height dimensions: Rear entrance height approx. 1,500 mm; Interior height approx. 1,450 mm (rear area)

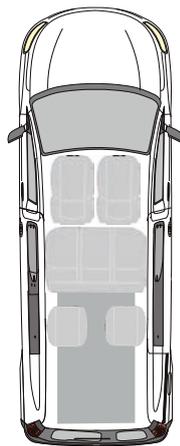
Stellantis eK0 / Toyota Proace Electric



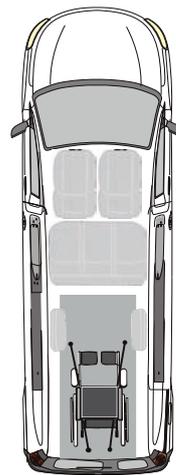
SEATING ARRANGEMENTS



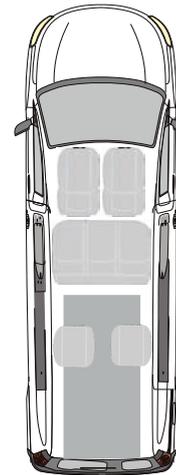
5 + 1



7 + 0



5 + 1



7 + 0

ë-SpaceTourer M / E-Scudo L2 / Zafira-e Life M /
e-Traveller L2 / Proace Electric L1

SpaceTourer XL / Scudo L3 / Zafira Life L /
Traveller L3 / Proace L2

OPTIONAL

- » EasyFlex ramp
- » FutureSafe head & backrest
- » Tip & fold seats in 3rd row

TECHNICAL DATA (according to manufacturer)

- » Battery capacity: 50 kWh / 75 kWh
- » Range (WLTP): Up to 224 km (50 kWh), up to 320 km (75 kWh)
- » Engine output: 100 kW max.
- » Ramp: Solid aluminium with anti-slip surface, gas strut supported, EasyUse function
- » Wheelchair area interior floor dimensions: SWB: Width approx. 810 mm x length approx. 1,400 mm
LWB: Width approx. 810 mm x length approx. 1,710 mm
- » Wheelchair area height dimensions: Rear entrance height approx. 1,500 mm;
Interior height approx. 1,420 mm (rear area)

Stellantis eK9 / Toyota Proace City Electric



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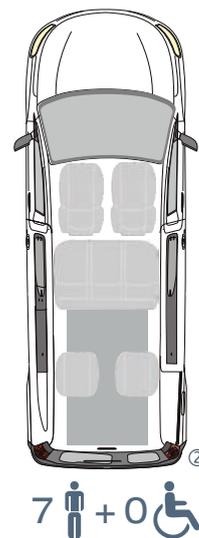
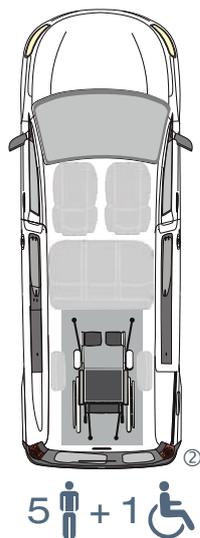
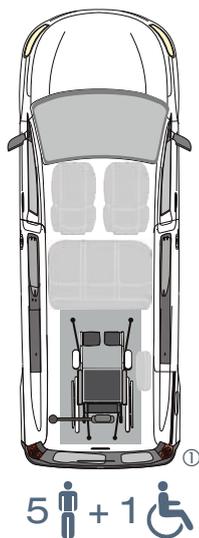
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SEATING ARRANGEMENTS



① ë-Berlingo XL / E-Doblò L2 / Combo-e Life XL /
e-Rifter L2 / Proace City Electric L2

① FutureSafe head & backrest, tip & fold seat in 3rd row
② Tip & fold seats in 3rd row

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OPTIONAL

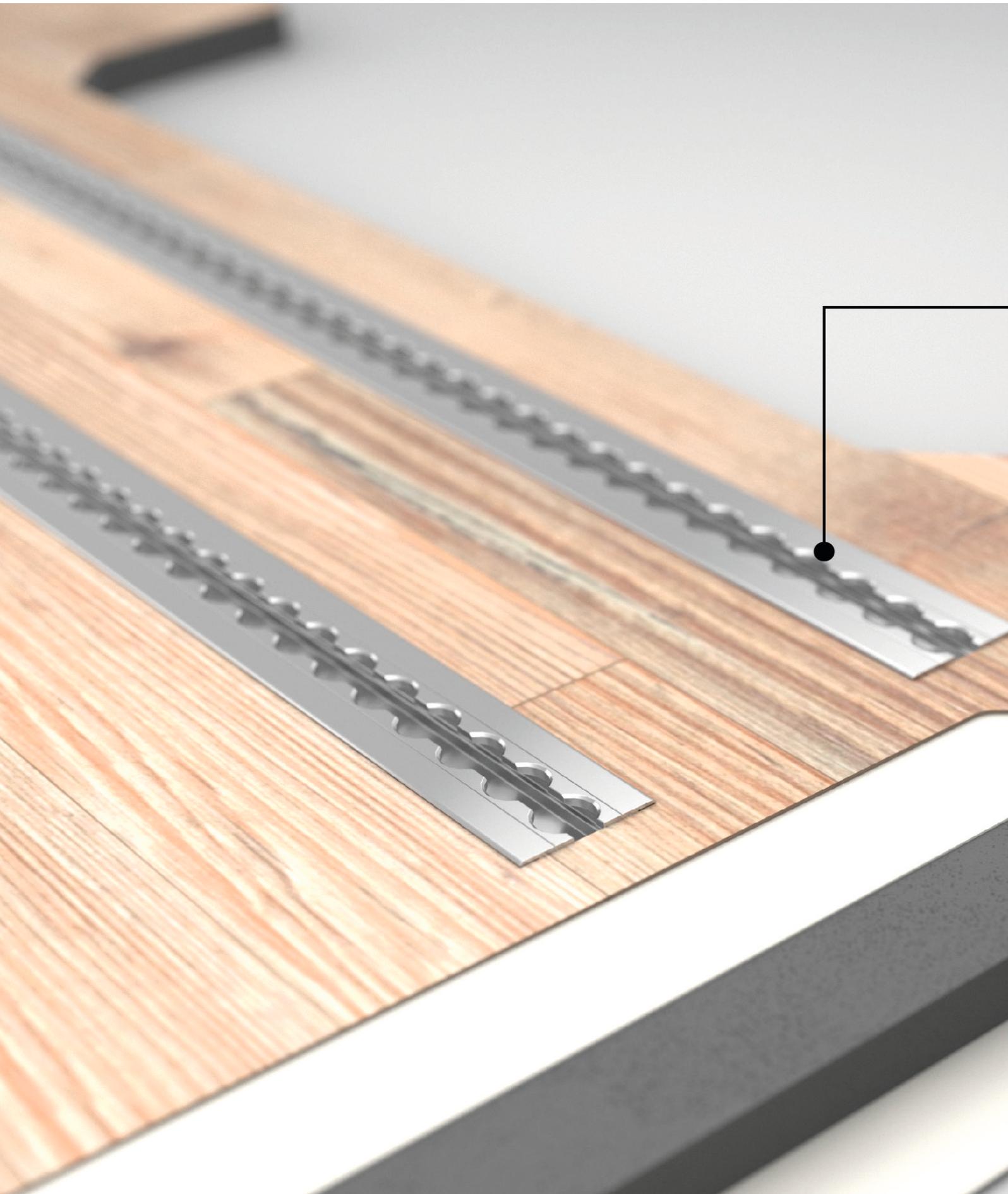
- » EasyFlex ramp
- » FutureSafe head & backrest
- » Single seats or original bench seat in 2nd row
- » Tip & fold seats in 3rd row (LWB)

TECHNICAL DATA (according to manufacturer)

- » Battery capacity: 50 kWh
- » Range (WLTP): Up to 278 km
- » Engine output: 100 kW max.
- » Ramp: Solid aluminium with anti-slip surface, gas strut supported, EasyUse function
- » Wheelchair area interior floor dimensions: Width approx. 810 mm x length approx. 1,400 mm
- » Wheelchair area height dimensions: Rear entrance height approx. 1,450 mm;
Interior height approx. 1,420 mm (rear area)

WORLD INNOVATION - THE LIGHTEST SYSTEM FLOOR IN THE MARKET

The SMARTFLOOR Revolution is an innovative, patented system floor. It consists of a hard foam panel that has been specially developed for installation in vehicles. The system floor offers a weight saving of around 40 % compared to conventional floors, which has a positive effect on fuel consumption and the vehicle's payload.



The SMARTFLOOR Revolution is made from a high-quality XPS panel, which is processed using the latest technology with the highest precision and absolute care.

The globally unique process makes it possible to implement individual plans and wishes quickly and precisely without compromising on flexibility, quality and safety.

- ✓ The world's lightest system floor
- ✓ Maximum time savings during installation
- ✓ Acoustic and thermal insulation
- ✓ Smooth-gliding SMARTSEATS
- ✓ Ensured parallelism of the aluminum profiles

SMARTFLOOR

Revolution

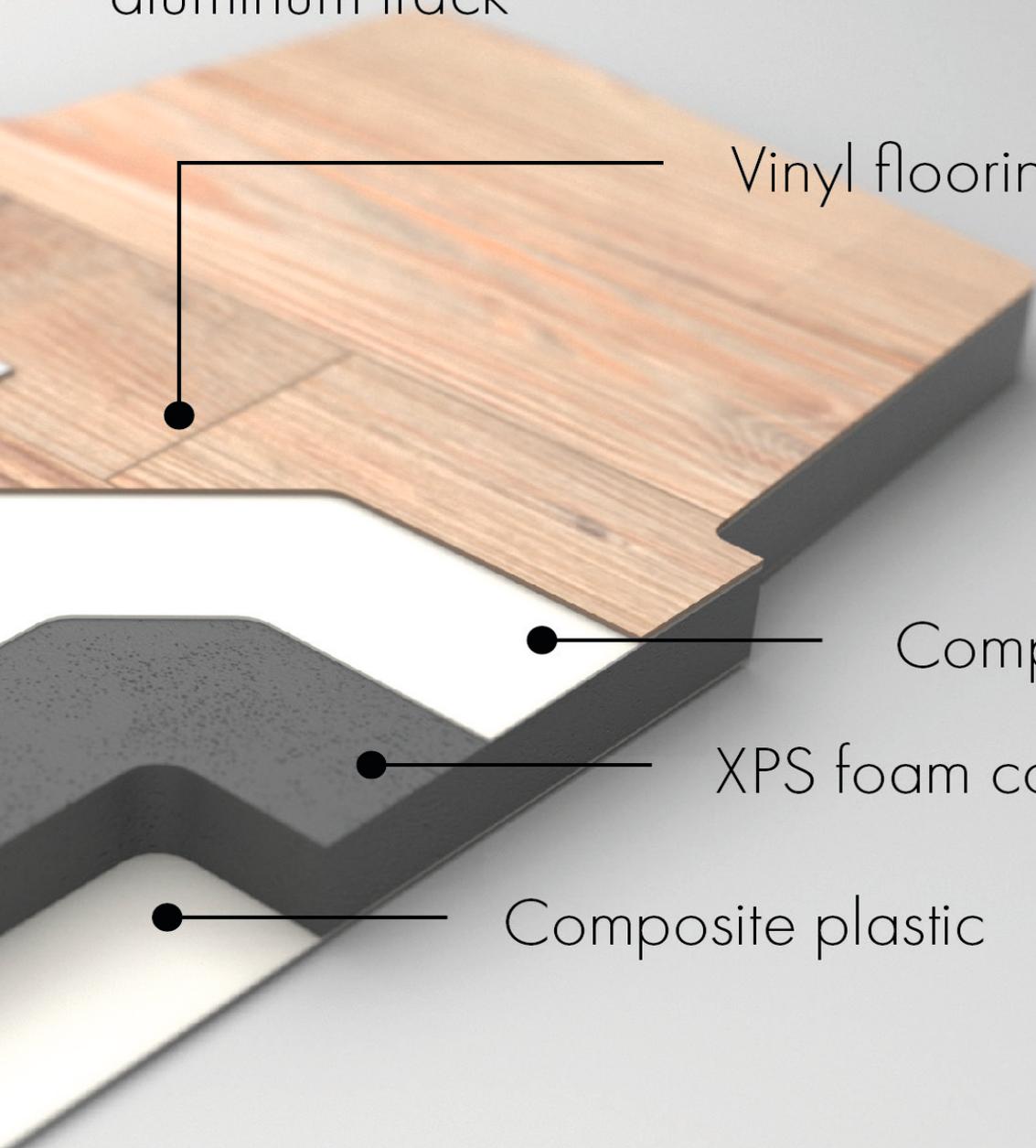
High strength anodized aluminum track

Vinyl flooring

Composite plastic

XPS foam core

Composite plastic





SMART FLOOR

Flexibility inside

The SMARTFLOOR aluminium floor facilitates a quick and flexible design for the vehicle interior, with individual seats, wheelchairs and wheeled stretchers.

The SMARTFLOOR is individually designed to meet specific requirements and consists of different aluminium profiles that are bonded into the vehicle. In this way, a minibus with an empty passenger compartment turns into your own customized vehicle with countless variations for the seating and positioning of wheelchairs.



Download our free iPad app and design your own vehicle lay out.



SMART FLOOR
Flexibility inside

SMARTFLOOR

Profiles

Item No.	Item Name	Width (mm)	3,360 mm	3,700 mm	4,500 mm	5,500 mm
H22001	Profile Smartfloor basic 78	78	x			
H22005	Profile Smartfloor basic 95	95	x			
H22006	Profile Smartfloor basic 234	234	x			
H22009	Profile Smartfloor basic 268	268	x			
H22007	Profile Smartfloor double basic 234 (156)	234	x			
H22008	Profile Smartfloor double basic 251 (173)	251	x			
H22010	Profile Smartfloor spacer 78	78	x			
H22015	Profile Smartfloor spacer 95	95	x			
H22020	Profile Smartfloor spacer 173	173	x			
H22021	Side profile Smartfloor left		x			
H22022	Side profile Smartfloor right		x			
H22025	Profile Smartfloor straight rail		x			
H22030	Profile Smartfloor airline rail		x			
H22035	Profile Smartfloor basic 78	78			x	
H22040	Profile Smartfloor basic 95	95			x	
H22043	Profile Smartfloor basic 234	234			x	
H22044	Profile Smartfloor basic 268	268			x	
H22041	Profile Smartfloor double basic 234 (156)	234			x	
H22042	Profile Smartfloor double basic 251 (173)	251			x	
H22045	Profile Smartfloor spacer 78	78			x	
H22050	Profile Smartfloor spacer 95	95			x	
H22055	Profile Smartfloor spacer 173	173			x	
H22056	Side profile Smartfloor left				x	
H22057	Side profile Smartfloor right				x	
H22060	Profile Smartfloor straight rail				x	
H22065	Profile Smartfloor airline rail				x	
H22201	Profile Smartfloor basic 78	234		x		
H22205	Profile Smartfloor basic 95	268		x		
H22206	Profile Smartfloor basic 234	234		x		
H22209	Profile Smartfloor basic 268	251		x		
H22207	Profile Smartfloor double basic 234 (156)	78		x		
H22208	Profile Smartfloor double basic 251 (173)	95		x		
H22210	Profile Smartfloor spacer 78	173		x		
H22215	Profile Smartfloor spacer 95			x		
H22220	Profile Smartfloor spacer 173			x		
H22230	Profile Smartfloor airline rail			x		

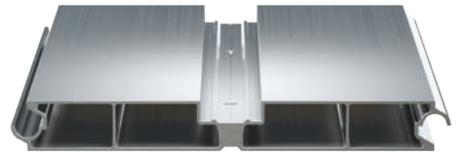
Item No.	Item Name	Width (mm)	3,360 mm	3,700 mm	4,500 mm	5,500 mm
H22235	Profile Smartfloor basic 78	78				x
H22240	Profile Smartfloor basic 95	95				x
H22243	Profile Smartfloor basic 234	234				x
H22244	Profile Smartfloor basic 268	268				x
H22241	Profile Smartfloor double basic 234 (156)	234				x
H22242	Profile Smartfloor double basic 251 (173)	251				x
H22245	Profile Smartfloor spacer 78	78				x
H22250	Profile Smartfloor spacer 95	95				x
H22255	Profile Smartfloor spacer 173	173				x
H22260	Profile Smartfloor straight rail					x
H22265	Profile Smartfloor airline rail					x



Profile Smartfloor basic 78



Profile Smartfloor basic 95



Profile Smartfloor single basic 234



Profile Smartfloor single basic 268



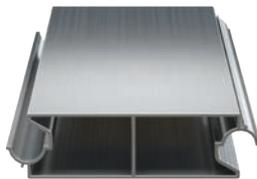
Profile Smartfloor double basic 234 (156)



Profile Smartfloor double basic 251 (173)



Profile Smartfloor spacer 78



Profile Smartfloor spacer 95



Profile Smartfloor spacer 173



Side profile left



Side profile right



Profile Smartfloor airline rail



Profile Smartfloor straight rail

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SMARTFLOOR

Accessories

RAIL INSERTS

Item No.	Item Name	Length (m)
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10024457	Cover strip rubber, black	50
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FLOOR END COVER STRIP STAINLESS STEEL

Item No.	Vehicle Type
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200354033	Ford Transit F7
10007174	Mercedes-Benz Sprinter
200470608	Volkswagen Crafter / MAN TGE front
200470557	Volkswagen Crafter / MAN TGE back



MOUNTING ACCESSORIES

Item No.	Item Name	Length (mm)
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10002002	Bolt M10*25 A2 Countersunk screw	25
10003833	Bolt M10*60 A2 Countersunk screw	60



H22075	Assembly plugs plastic
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H22080	Lock plate
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MOUNTING ACCESSORIES

Item No.	Item Name	Content (ml)	
10003487	Primer Sikaflex 206 G+P	1.000	
10003486	Sikaflex 265	600	
10003489	Sika Cleaner 205		
10020774	Smartfloor sticker		

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ALUMINIUM GUIDE RAILS

Item No.	Item Name	
10011173	AMF Lockable	
10011097	AMF Lockable	

SMARTFLOOR

Floor Covering Altro Transflor

Meta Storm



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

SPECIFICATION

- » 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



Composition

Matrix	High-quality vinyl
Ingredients	Aluminium 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.altro.com/us/products/altro-transflor-meta 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.altro.com/us/products/altro-transflor-meta)

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. 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 AMF-Bruns.

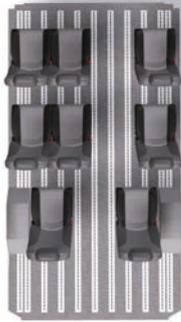
Item No.	Item Name	Dimensions (m)
10008057	Altro Transflor Meta Storm	20 x 2
10003965	Altro Transflor Chroma Zeal	20 x 2
10003962	Altro Transflor Meta Black	20 x 2



SMARTFLOOR

Configuration Examples

8 SEATS



8 seats



7 seats + 1 wheelchair



6 seats + 2 wheelchairs



4 seats + 3 wheelchairs



2 seats + 4 wheelchairs



4 wheelchairs

6 SEATS + 2 FOLDING SEATS



6 seats + 2 folding seats



6 seats + 1 folding seat + 1 wheelchair



6 seats + 2 wheelchairs



4 seats + 3 wheelchairs



2 seats + 4 wheelchairs



4 wheelchairs

The SMARTFLOOR plans show different options that are not available everywhere.

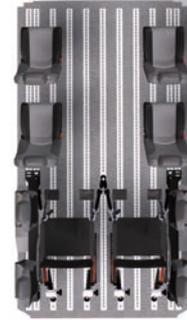
4 SEATS + 4 FOLDING SEATS



4 seats + 4 Klappsitze



4 seats + 2 folding seats + 1 wheelchair



4 seats + 2 wheelchairs



2 seats + 3 wheelchairs



4 wheelchairs

8 FOLDING SEATS



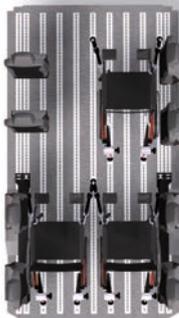
8 folding seats



6 folding seats + 1 wheelchair



4 folding seats + 2 wheelchairs



2 folding seats + 3 wheelchairs



4 wheelchairs

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The SMARTFLOOR plans show different options that are not available everywhere.



SMARTSEATS

Vehicle Seats & Seating Solutions



AMF-Bruns seating solutions, so-called SMARTSEATS, are known for safety and the highest quality levels. All models have been tested and approved based on the latest UN/ECE regulations for M1 and M2 vehicles. When it comes to design, materials and comfort, the seats leave nothing to be desired.

The SMARTSEATS are tested in combination with the SMARTFLOOR aluminium floor and are available with different seat bases (flexible Smartlegs or fixed pointed feet), depending on use. All SMARTSEATS are optionally available with a wide selection of seat covers.

M1 vehicle seats

All SMARTSEATS M1 are optionally available with ISOfix brackets for attaching child seats. According to EU Directive 2007/46, all M1 vehicles must be equipped with at least two ISOfix connection points including an anchorage for the upper ISOfix tether.

All AMF-Bruns SMARTSEATS with ISOfix have been tested and approved by RDW.

M2 vehicle seats

The SMARTSEAT M2 is the ideal seating solution for minibuses with 13 to 21 seats. Here the emphasis is on a comfortable and safe journey. The M2 seats are available as single or double seats and have built-in 3-point safety belts. There are a variety of seat covers to choose from and on request the seats can be equipped with armrests, a folding table and magazine nets.

All AMF-Bruns M2 seats have been tested in vehicles and comply with the latest UN/ECE R14 guidelines.



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SMARTSEATS

SMARTSEAT Easy M1

The SMARTSEAT Easy provides comfort for your passengers as well as maximum flexibility for all your everyday needs.

SPECIFICATION

- » Fixed or reclining backrest
- » Integral 3-point seat belt, available in left-hand belt and right-hand belt models
- » Height-adjustable headrest
- » M1 vehicle tested and approved by RDW, according to the latest regulation UN/ECE R14, R16, R17, FMVSS/CMVSS 207, 210
- » Various upholstery options available
- » Easy to clean
- » Equipped with quick-release Smartleg supports

OPTIONAL

- » Armrest
- » ISOfix mounting



Grey artificial leather

Ford Ebony



MB Maturin

Austin

Item No.	Item Name	Features	3-Point Seat Belt
10023317	Smartseat Easy, MB Maturin		left
10023318	Smartseat Easy, MB Maturin		right
10021116	Smartseat Easy, Austin		left
10021117	Smartseat Easy, Austin		right
10023359	Smartseat Easy, Ford Ebony		left
10023360	Smartseat Easy, Ford Ebony		right
10018987	Smartseat Easy, grey artificial leather		left
10018988	Smartseat Easy, grey artificial leather		right
10023319	Smartseat Easy, MB Maturin	Reclining backrest	left
10023320	Smartseat Easy, MB Maturin	Reclining backrest	right
10020924	Smartseat Easy, Austin	Reclining backrest	left
10020925	Smartseat Easy, Austin	Reclining backrest	right
10023361	Smartseat Easy, Ford Ebony	Reclining backrest	left
10023362	Smartseat Easy, Ford Ebony	Reclining backrest	right
10018996	Smartseat Easy, grey artificial leather	Reclining backrest	left
10018997	Smartseat Easy, grey artificial leather	Reclining backrest	right

OPTIONAL

Item No.	Item Name	Position
10020760	Armrest for Smartseat	pre-assembled left
10020761	Armrest for Smartseat	pre-assembled right
10019046	Armrest for Smartseat	left
10019047	Armrest for Smartseat	right
10020762	Grab handle rear for Smartseat	pre-assembled
10019048	Grab handle rear for Smartseat	
10019049	Grab handle side, black	pre-assembled
10019050	Grab handle side, yellow	pre-assembled

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SMARTSEATS

SMARTSEAT Easy M1 with ISOfix

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Item No.	Item Name	Features	3-Point seat belt
10023321	Smartseat Easy, MB Maturin	ISOfix	left
10023322	Smartseat Easy, MB Maturin	ISOfix	right
10020926	Smartseat Easy, Austin	ISOfix	left
10020927	Smartseat Easy, Austin	ISOfix	right
10023363	Smartseat Easy, Ford Ebony	ISOfix	left
10023364	Smartseat Easy, Ford Ebony	ISOfix	right
10019006	Smartseat Easy, grey artificial leather	ISOfix	left
10019007	Smartseat Easy, grey artificial leather	ISOfix	right
10023323	Smartseat Easy, MB Maturin	ISOfix, reclining backrest	left
10023324	Smartseat Easy, MB Maturin	ISOfix, reclining backrest	right
10020928	Smartseat Easy, Austin	ISOfix, reclining backrest	left
10020929	Smartseat Easy, Austin	ISOfix, reclining backrest	right
10023365	Smartseat Easy, Ford Ebony	ISOfix, reclining backrest	left
10023366	Smartseat Easy, Ford Ebony	ISOfix, reclining backrest	right
10019016	Smartseat Easy, grey artificial leather	ISOfix, reclining backrest	left
10019017	Smartseat Easy, grey artificial leather	ISOfix, reclining backrest	right

OPTIONAL

Item No.	Item Name	Position
10020760	Armrest for Smartseat	pre-assembled left
10020761	Armrest for Smartseat	pre-assembled right
10019046	Armrest for Smartseat	left
10019047	Armrest for Smartseat	right
10020762	Grab handle rear for Smartseat	pre-assembled
10019048	Grab handle rear for Smartseat	
10019049	Grab handle side, black	pre-assembled
10019050	Grab handle side, yellow	pre-assembled

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SMARTSEATS

SMARTSEAT Tip & Fold M1

The swivelling and folding SMARTSEAT Tip & Fold provides flexibility in a minimal space.

SPECIFICATION

- » Very little space requirements due to flip-up cushion and swivelling option to the wall
- » Mounting over wheel arch possible
- » Seat cushion gas strut supported to remain in „up“ or „down“ position
- » Reclining backrest
- » Integral 3-point seat belt, available in left-hand belt and right-hand belt models
- » Height-adjustable headrest
- » M1 vehicle tested and approved by RDW, according to the latest regulation UN/ECE R14, R16, R17, FMVSS/CMVSS 207, 210
- » Various upholstery options available
- » Easy to clean

OPTIONAL

- » Armrest
- » ISOfix mounting



Item No.	Item Name	Features	3-Point Seat Belt
10023325	Smartseat Tip & Fold, MB Maturin		left
10023326	Smartseat Tip & Fold, MB Maturin		right
10022755	Smartseat Tip & Fold, Austin		left
10022756	Smartseat Tip & Fold, Austin		right
10023367	Smartseat Tip & Fold, Ford Ebony		left
10023368	Smartseat Tip & Fold, Ford Ebony		right
10019032	Smartseat Tip & Fold, grey artificial leather		left
10019033	Smartseat Tip & Fold, grey artificial leather		right
10023327	Smartseat Tip & Fold, MB Maturin	ISOfix	left
10023328	Smartseat Tip & Fold, MB Maturin	ISOfix	right
10022757	Smartseat Tip & Fold, Austin	ISOfix	left
10022758	Smartseat Tip & Fold, Austin	ISOfix	right
10023369	Smartseat Tip & Fold, Ford Ebony	ISOfix	left
10023370	Smartseat Tip & Fold, Ford Ebony	ISOfix	right
10019042	Smartseat Tip & Fold, grey artificial leather	ISOfix	left
10019043	Smartseat Tip & Fold, grey artificial leather	ISOfix	right

OPTIONAL

Item No.	Item Name	Dimensions (mm)	Position
10019153	Single wheel arch frame	280	left/right
10019154	Single wheel arch frame	329	left/right
10019155	Single wheel arch frame	370 (105°)	left/right
10019156	Single wheel arch frame	370 (125°)	left/right
10019157	Double wheel arch frame	280	left
10019158	Double wheel arch frame	280	right
10019159	Double wheel arch frame	329	left
10019160	Double wheel arch frame	329	right
10020754	Seatleg for Smartseat Tip & Fold	270	
10020967	Seatleg for Smartseat Tip & Fold	320	
10019152	Seatleg for Smartseat Tip & Fold	350	

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SMARTSEATS

SMARTSEAT Flip-Up M1



The foldable SMARTSEAT Flip-Up provides flexibility for getting in and out of the vehicle in a minimum of space.

SPECIFICATION

- » Little space requirements due to flip-up cushion
- » Seat cushion gas strut supported to remain in „up“ or „down“ position
- » Fixed or reclining backrest
- » Integral 3-point seat belt, available in left-hand belt and right-hand belt models
- » Height-adjustable headrest
- » M1 vehicle tested and approved by RDW, according to the latest regulation UN/ECE R14, R16, R17, FMVSS/CMVSS 207, 210
- » Various upholstery options available
- » Easy to clean

OPTIONAL

- » Armrest
- » Isofix mounting

Item No.	Item Name	Features	3-Point Seat Belt
10023329	Smartseat Flip-Up, MB Maturin		left
10023330	Smartseat Flip-Up, MB Maturin		right
10022759	Smartseat Flip-Up, Austin		left
10022760	Smartseat Flip-Up, Austin		right
10023371	Smartseat Flip-Up, Ford Ebony		left
10023372	Smartseat Flip-Up, Ford Ebony		right
10020789	Smartseat Flip-Up, grey artificial leather		left
10020790	Smartseat Flip-Up, grey artificial leather		right
10023331	Smartseat Flip-Up, MB Maturin	Reclining backrest	left
10023332	Smartseat Flip-Up, MB Maturin	Reclining backrest	right
10022761	Smartseat Flip-Up, Austin	Reclining backrest	left
10022762	Smartseat Flip-Up, Austin	Reclining backrest	right
10023373	Smartseat Flip-Up, Ford Ebony	Reclining backrest	left
10023374	Smartseat Flip-Up, Ford Ebony	Reclining backrest	right
10020799	Smartseat Flip-Up, grey artificial leather	Reclining backrest	left
10020800	Smartseat Flip-Up, grey artificial leather	Reclining backrest	right
10023333	Smartseat Flip-Up, MB Maturin	ISOfix	left
10023334	Smartseat Flip-Up, MB Maturin	ISOfix	right
10022763	Smartseat Flip-Up, Austin	ISOfix	left
10022764	Smartseat Flip-Up, Austin	ISOfix	right
10023375	Smartseat Flip-Up, Ford Ebony	ISOfix	left
10023376	Smartseat Flip-Up, Ford Ebony	ISOfix	right
10020844	Smartseat Flip-Up, grey artificial leather	ISOfix	left
10020845	Smartseat Flip-Up, grey artificial leather	ISOfix	right
10023335	Smartseat Flip-Up, MB Maturin	ISOfix, reclining backrest	left
10023336	Smartseat Flip-Up, MB Maturin	ISOfix, reclining backrest	right
10022765	Smartseat Flip-Up, Austin	ISOfix, reclining backrest	left
10022766	Smartseat Flip-Up, Austin	ISOfix, reclining backrest	right
10023377	Smartseat Flip-Up, Ford Ebony	ISOfix, reclining backrest	left
10023378	Smartseat Flip-Up, Ford Ebony	ISOfix, reclining backrest	right
10020852	Smartseat Flip-Up, grey artificial leather	ISOfix, reclining backrest	left
10020853	Smartseat Flip-Up, grey artificial leather	ISOfix, reclining backrest	right

OPTIONAL

Item No.	Item Name	Dimensions (mm)
10020931	Seatleg for Smartseat Flip-Up	270
10020968	Seatleg for Smartseat Flip-Up	320
10020932	Seatleg for Smartseat Flip-Up	350

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SMARTSEATS

SMARTSEAT Easy XL M1

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The SMARTSEAT Easy XL promises maximum comfort for your passengers as well as maximum flexibility for all your everyday needs.

SPECIFICATION

- » High seating comfort due to extra padding
- » Extended seat
- » Fixed or reclining backrest
- » Integral 3-point seat belt, available in left-hand belt and right-hand belt models
- » Height-adjustable headrest
- » Recessed controls and safety belt
- » M1 vehicle tested and approved by RDW, according to the latest regulation UN/ECE R14, R16, R17, FMVSS/CMVSS 207, 210
- » Various upholstery options available
- » ABS back panel
- » Easy to clean
- » Equipped with quick-release Smartleg supports

OPTIONAL

- » Armrest
- » ISOfix mounting



Item No.	Item Name	Features	3-Point Seat Belt
10023337	Smartseat Easy XL, MB Maturin		left
10023338	Smartseat Easy XL, MB Maturin		right
10022767	Smartseat Easy XL, Austin		left
10022768	Smartseat Easy XL, Austin		right
10023379	Smartseat Easy XL, Ford Ebony		left
10023380	Smartseat Easy XL, Ford Ebony		right
10020860	Smartseat Easy XL, grey artificial leather		left
10020861	Smartseat Easy XL, grey artificial leather		right
10023339	Smartseat Easy XL, MB Maturin	Reclining backrest	left
10023340	Smartseat Easy XL, MB Maturin	Reclining backrest	right
10022769	Smartseat Easy XL, Austin	Reclining backrest	left
10022770	Smartseat Easy XL, Austin	Reclining backrest	right
10023381	Smartseat Easy XL, Ford Ebony	Reclining backrest	left
10023382	Smartseat Easy XL, Ford Ebony	Reclining backrest	right
10020868	Smartseat Easy XL, grey artificial leather	Reclining backrest	left
10020869	Smartseat Easy XL, grey artificial leather	Reclining backrest	right
10023341	Smartseat Easy XL, MB Maturin	ISOfix	left
10023342	Smartseat Easy XL, MB Maturin	ISOfix	right
10022771	Smartseat Easy XL, Austin	ISOfix	left
10022772	Smartseat Easy XL, Austin	ISOfix	right
10023383	Smartseat Easy XL, Ford Ebony	ISOfix	left
10023384	Smartseat Easy XL, Ford Ebony	ISOfix	right
10020876	Smartseat Easy XL, grey artificial leather	ISOfix	left
10020877	Smartseat Easy XL, grey artificial leather	ISOfix	right
10023343	Smartseat Easy XL, MB Maturin	ISOfix, reclining backrest	left
10023344	Smartseat Easy XL, MB Maturin	ISOfix, reclining backrest	right
10022773	Smartseat Easy XL, Austin	ISOfix, reclining backrest	left
10022774	Smartseat Easy XL, Austin	ISOfix, reclining backrest	right
10023385	Smartseat Easy XL, Ford Ebony	ISOfix, reclining backrest	left
10023386	Smartseat Easy XL, Ford Ebony	ISOfix, reclining backrest	right
10020884	Smartseat Easy XL, grey artificial leather	ISOfix, reclining backrest	left
10020885	Smartseat Easy XL, grey artificial leather	ISOfix, reclining backrest	right

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SMARTSEATS

SMARTSEAT RV M1

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The SMARTSEAT RV backrest folds forward quickly for easy side entry into the third row of seats

SPECIFICATION

- » Fully foldable backrest
- » Integral 3-point seat belt, available in left-hand belt and right-hand belt models
- » Height-adjustable headrest
- » M1 vehicle tested and approved by RDW, according to the latest regulation UN/ECE R14, R16, R17, FMVSS/CMVSS 207, 210
- » Various upholstery options available
- » Easy to clean

OPTIONAL

- » Armrest
- » ISOfix mounting



Item No.	Item Name	Features	3-Point Seat Belt
10023345	Smartseat RV, MB Maturin	Reclining to the front	left
10023346	Smartseat RV, MB Maturin	Reclining to the front	right
10023387	Smartseat RV, Ford Ebony	Reclining to the front	left
10023388	Smartseat RV, Ford Ebony	Reclining to the front	right
10022618	Smartseat RV, grey artificial leather	Reclining to the front	left
10022619	Smartseat RV, grey artificial leather	Reclining to the front	right
10022620	Smartseat RV, black artificial leather	Reclining to the front	left
10022621	Smartseat RV, black artificial leather	Reclining to the front	right

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SMARTSEATS

SMARTSEAT Travel M2 / Travel Luxury M2

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Travel Luxury

Travel

The SMARTSEAT Travel and SMARTSEAT Travel Luxury provide maximum comfort and attractive design. They are the ideal solution for minibuses with 16 + 1 or 19 + 1 seats.

SPECIFICATION

- » Fixed or reclining backrest
- » Integral 3-point seat belt, available in left-hand belt and right-hand belt models
- » M2 vehicle tested and approved by RDW, according to the latest regulation UN/ECE R14
- » Various upholstery options available (including leather)
- » Easy to clean

AVAILABLE

- » Single seat
- » Double seat

OPTIONAL

- » Armrest
- » Foot support
- » Grab handles (yellow or black)
- » Folding table
- » Magazine net



Item No.	Item Name	Features	3-Point Seat Belt
10023815	Smartseat Travel, Maturin	Seat leg	left
10023816	Smartseat Travel, Maturin	Seat leg	right
10023817	Smartseat Travel, double seat, Maturin	Seat leg	
10023818	Smartseat Travel, Maturin	Seat leg, reclining backrest	left
10023819	Smartseat Travel, Maturin	Seat leg, reclining backrest	right
10023820	Smartseat Travel, double seat, Maturin	Seat leg, reclining backrest	
10022863	Smartseat Travel, grey artificial leather	Seat leg, reclining backrest	left
10022864	Smartseat Travel, grey artificial leather	Seat leg, reclining backrest	right
10022865	Smartseat Travel, double seat, grey artificial leather	Seat leg, reclining backrest	

OPTIONAL

Item No.	Item Name		Position
10022867	Fixed armrest for Smartseat Travel	pre-assembled	left
10022866	Fixed armrest for Smartseat Travel	pre-assembled	right
10022868	Adjustable armrest for Smartseat Travel	pre-assembled	left
10022869	Adjustable armrest for Smartseat Travel	pre-assembled	right
10022870	Folding table for Smartseat Travel	pre-assembled	
10022817	Magazine net for Smartseat Travel	pre-assembled	
10022872	Grab handle für Smartseat Travel, black	pre-assembled	left
10022873	Grab handle für Smartseat Travel, black	pre-assembled	right
10022874	Grab handle für Smartseat Travel, yellow	pre-assembled	left
10022875	Handgriff für Smartseat Travel, yellow	pre-assembled	right

Smartseat Travel Luxury on request

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SEAT LEGS

for Vehicle Seats

Different seat legs are available depending on the type of seat. Seats with SMARTLEG offer maximum flexibility in combination with the SMARTFLOOR system floor and have been developed especially for commercial use. In addition to the SMARTLEG, there are also seat legs that are foldable or firmly bolted to the floor.

SPECIFICATION

- » Suitable for all M1 and M2 seat types
- » Various seat legs for different rail spacings
- » SMARTLEG can be delivered separately or with mounted spacer
- » Robust lightweight construction
- » Mounting parts can be delivered as a separate option
- » Also available with folding mechanism
- » RDW tested on SMARTFLOOR system floors in combination with M1 and M2 seats

OPTIONAL

- » Wheels at the back for easy manoeuvring in and out of the vehicle (SMARTLEG)



SMARTLEG - SEAT LEG WITH QUICK-RELEASE SYSTEM

Item No.	Item Name	Dimensions (mm)	Features
10011973	Smartleg	290	
10012833	Smartleg	290	incl. Wheelie Wheel
10020739	Smartleg	330	
10020740	Smartleg	330	incl. Wheelie Wheel
10020741	Smartleg	360	
10020742	Smartleg	360	incl. Wheelie Wheel
10014449	Smartleg	390	
10011974	Smartleg Spacer	156	
10013477	Smartleg Spacer	173	



FIXED SEAT LEG

Item No.	Item Name
10025100	Fixed seat leg



MOUNTING BRACKETS

Item No.	Item Name	Dimensions (mm)
10020102	Mounting bracket kit for Smartleg	30
10020103	Mounting bracket kit for fixed leg	25



T-BOLTS

Item No.	Item Name	Dimensions (mm)
10024632	T-Nut single M8	
10024633	T-Nut double M8	
10011522	T-Bolt single M10	
10011523	T-Bolt double M10	25
10011524	T-Bolt double M10	35
10011525	T-Bolt double M10	76



SECUREPLUS

Seat Belt Reminder for SMARTSEAT M1

SecurePlus is a wireless seat recognition system for SMARTSEAT single seats.

A display on the dashboard informs the driver about the status of the vehicle seats in the passenger compartment when the ignition is switched on. The display shows how many seats are registered in the system, how many are occupied and whether the occupants are wearing their seat belts.

In order for the seats to be registered in the SecurePlus system, the SMARTSEATS must be equipped with a Bluetooth transmitter and connected to the system.

SPECIFICATION

- » Bluetooth connection to SMARTSEAT M1 with SecurePlus equipment
- » Two display options with up to 9 or 20 vehicle seats
- » Visual and acoustic signal (according to ECE R16)
- » Function when ignition is switched on
- » Connection with pairing software
- » Power supply:
 - Display via car battery
 - Bluetooth transmitter in the seat with battery (button cell)



Seat connected / not occupied



Seat connected / occupied / person wearing seat belt



Seat connected / occupied / person not wearing seat belt



Swivel Console for Front Passenger Seat

Getting in and out of the vehicle is often a challenge for people with limited mobility. The swivel console TWISTER allows easier access even by moving from the wheelchair into the vehicle seat. The console's swivel angle is individually adjustable, while the Easy-Locking System ensures a simple and convenient operation. The TWISTER swivel console is suitable for most vehicle models - if required, the original seat or alternatively a flatter orthopaedic seat can be installed.

SPECIFICATION

- » Made in Germany
- » Easy to get in and out of the vehicle; also when moving from the wheelchair to the car seat
- » Easy and comfortable handling (Easy-Lock System)
- » Individually adjustable swivel angle
- » Various seat versions available
- » Durable, robust and maintenance-free
- » Dynamic and static tensile tests in accordance with current safety guidelines (ECE R14)

Item No.	Item Name
10024160	Twister Swivel Console



VEHICLE ACCESSORIES

Miscellaneous

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13**Storage Box Large**

Dimensions:
860 x 475 x 188 mm
Item No. 10012270

**Storage Box Small**

Dimensions:
690 x 385 x 172,5 mm
Item No. 10012744

**Grab Handle Black**

Length: 470 mm
Item No. 10008015

**Grab Handle Yellow**

Length: 470 mm
Item No. 10008016

**LED Roof Flashing Light /
Direction Indicator**

Item No. 10022574

**Duct System**

Ford Transit Custom
Item No. 10019740

**Interior Paneling
Back & Sliding Door**

VW Crafter / MAN TGE
Item No. 10023062

**Rubber Plugs**

VW Crafter / MAN TGE
L2
Item No. 10023061
L3
Item No. 10022913

Hydraulic Stretcher

The hydraulic wheeled stretcher is the ideal solution for patients who are transported on a stretcher. The stretcher's infinitely variable height adjustment allows precise control of different height levels and thus takes the load off the driver's back.

Used with the SMARTFLOOR aluminium floor, the AMF-Bruns stretcher can be easily and safely anchored anywhere to the vehicle floor thanks to the new quick-locking system.



SPECIFICATION

- » Precise control at different heights, e. g. for hospital beds, X-ray tables, CT, etc.
- » Infinitely height-adjustable (hydraulic)
- » Suspension for gentle transportation
- » Big wheels ensure smooth operation on uneven ground
- » Quick-locking mechanism ensures easy attachment to the vehicle floor
- » Flexible attachment to the SMARTFLOOR system floor
- » Compatible with DIN stretchers of all makes
- » Complies with DIN EN 1789 and has been TÜV tested in four directions with 10 g



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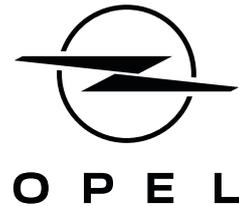
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QUALITY & TESTED SAFETY

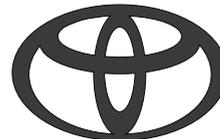
AMF-Brunns is certified conversion manufacturer of known OEMs. Thanks to its excellent relationships with well-known vehicle manufacturers, AMF-Brunns is well-informed about ongoing processes and developments in the automotive industry. The close cooperation makes it possible to react in time to changes and to further develop AMF-Brunns products accordingly.



Mercedes-Benz



RENAULT



Commercial Vehicles



Test Centre of AMF-Bruns F&E GmbH & Co. KG



The safety of every wheelchair occupant is our top priority at AMF-Bruns and is of central importance for all our innovations. Every product is thoroughly tested and is subject to strict quality controls. All production work is carried out in accordance with ISO 9001. In addition, all installed parts in the vehicle are crash-tested with 20 g.

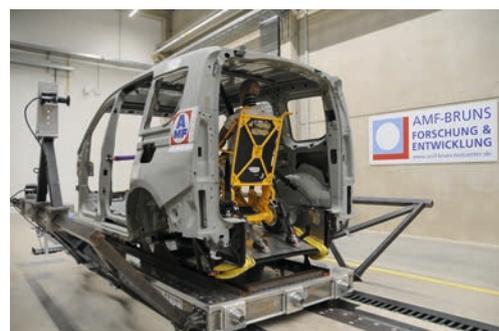
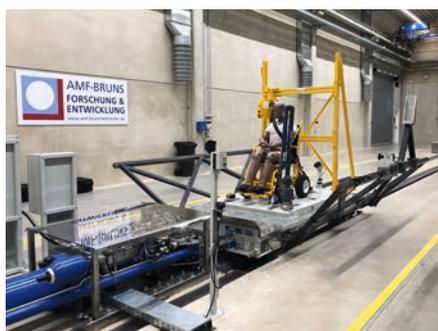
All AMF-Bruns products stand for maximum safety. Vehicle floors fitted with the SMARTFLOOR comply with strict EU guidelines such as UN/ECE R14, R16, R17, ISO 10542 and DIN 75078. All surfaces that may present a slip hazard in the vehicle fulfil slip resistance class R11. All electrical components are subjected to thorough EMC tests and subsequently approved by the German Federal Motor Transport Authority (KBA).

In order to further improve safety, AMF-Bruns works successfully with competent partners such as TÜV Nord, TÜV Rheinland, BAST, UTAC (France), AIB Vinçotte (Belgium), Status (United Kingdom), RDW Holland, all vehicle manufacturers and the German Federal Motor Transport Authority (KBA). AMF-Bruns has been carrying out its own tensile tests and safety-related tests on components, products and conversions for over ten years.

The AMF-Bruns Research & Development Company, founded in 2021, is able to operate a static tensile test facility and a dynamic crash test facility. AMF-Bruns R&D is an independent company focussing on research and development in the field of mobility.

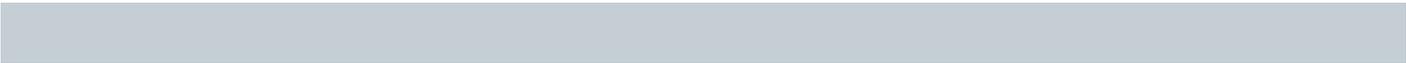
Focus of the company is the operation of dynamic and static tests for internal and external use. This means that testing organisations, car manufacturers, vehicle body manufacturers and manufacturers of belt systems and child seats can test the safety of their products in the new test centre and develop them further. It is also possible to provide services in the field of research and development.

TÜV Nord is on-site as technical service for European type approvals or any other kind of test documents.

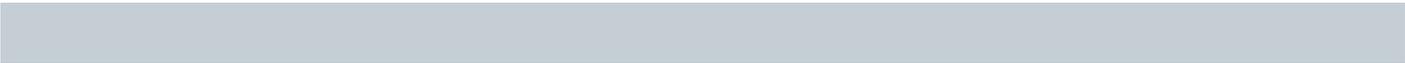


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