

PROTEKTOR® 2.0

Occupant & Wheelchair Restraint System



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www.amf-bruns.de

PROTEKTOR® 2.0

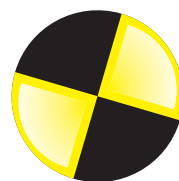
Occupant & Wheelchair Restraint System

In the 1970s, AMF-Bruns 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-Bruns PROTEKTOR system has become the international standard for securing wheelchairs and their occupants in vehicles.

AMF-Bruns' 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 Motocycle 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-Bruns 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-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

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-Bruns 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-Bruns additionally meets the requirements of DIN 75078-2 and is suitable for applications up to a total weight of 160 kg.



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BLACKSERIES

The BlackSeries is tested according to ISO 10542 and is the lightweight 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

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

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

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.



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SILVER SERIES

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

SILVER SERIES

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

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

PLATINUM SERIES • HD160



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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



PLATINUM SERIES **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



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

- 4x retractor belt LV
- 1x pelvis belt

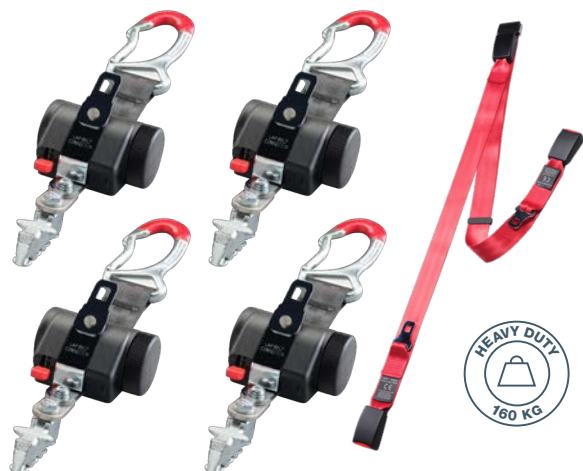
Item No. H 450 804 LV



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

PLATINUM SERIES *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

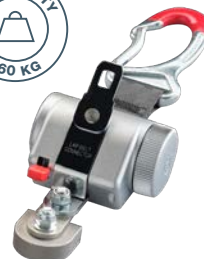
Item No. H 450 830 HM

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

WHEELCHAIR RESTRAINT SYSTEMS WITH 4 STUD FITTING / FLEXIBLE



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



PROTEKTOR® 2.0

Accessories



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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



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

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

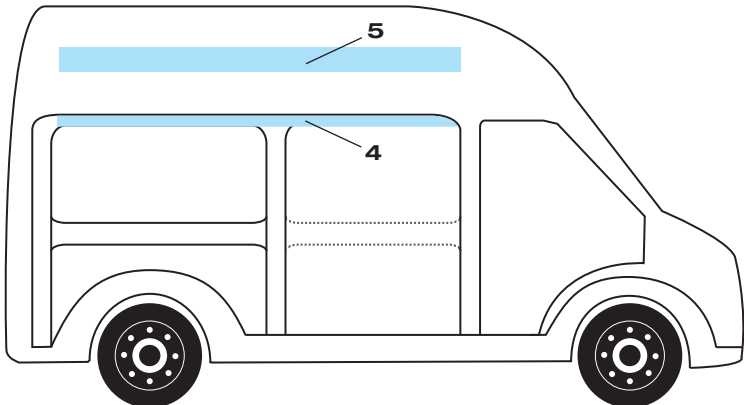
All AMF-Bruns occupant restraint systems – static or automatic shoulder belts in combination with a separate pelvic belt or integrated 3-point belt – have been tested with 24.5 kN forwards and 8.2 kN backwards. AMF-Bruns has developed and offers unique assembly kits for various vehicle models. The pull 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.

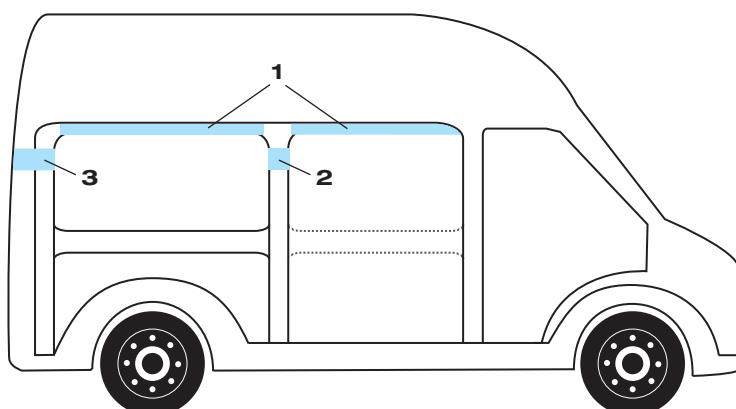


Vehicle Type (without trim)	Assembly Area	Assembly Kit Rail 1 m Item No.	Assembly Kit Rail 3 m Item No.	Mounting Rail 1 m Item No.	Mounting Rail 3 m Item No.
Citroën Jumper / Fiat Ducato / Peugeot Boxer	4	1001 9571	1001 9572	H150 132	H150 136
Citroën Spacetourer / Peugeot Traveller / Toyota Proace	4	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

Assembly Kits (Anchorage Points Shoulder Belt)

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 / Peugeot Boxer	WE 15 2678
Citroën SpaceTourer / Fiat Scudo / Opel Zafira / Peugeot Traveller / Toyota Proace	WE 17 2836-02
Fiat Talento / Opel Vivaro / Renault Trafic / Nissan NV300	WE 15 2729-01
Ford Custom	WE 15 2708
Ford Transit	WE 15 2710 (Korr. 01)
Hyundai H350	WE 17 2838
Mercedes-Benz Sprinter	WE 15 2728
Mercedes-Benz Vito/V-Klasse	WE 15 2774
Opel Movano / Renault Master / Nissan NV400	WE 15 2709
Saic Maxus EV80	WE 19 2858
Volkswagen Crafter / MAN TGE	WE 17 2817
Volkswagen T7	WE 22 2934
Volkswagen T5/T6	WE 15 2770

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.



EASYPULL

Winch & Restraint System



Winch & Wheelchair Restraint System

The world's first fully integrated wheelchair restraint system according to ISO 10542 with automatic winch function.

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.

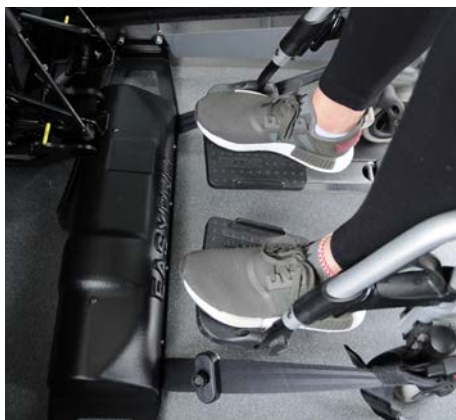
SPECIFICATION

- » 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
- » Complies with ISO 10542

TECHNICAL DATA

- » Load capacity: approx. 160 kg
- » Belt length: approx. 4 m
- » Operation: Radio remote control
(Dimensions: 30 x 55 mm)
- » Power unit: Electric, 12 V
- » Installation: Retrofittable
- » EMC tested according to EU regulations

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



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	
200938359			x	x		x	
200938362			x		x	x	
200938483	Volkswagen Caddy 4	x		x			x
200938484		x			x		x
200938485			x	x			x
200938486			x		x		x
200938483	Ford Connect (until 2019)	x		x			x
200938484		x			x		x
200938485			x	x			x
200938486			x		x		x
200938494	Mercedes-Benz Citan (from 2022) / Renault Kangoo (from 2022) / Nissan Townstar	x		x		x	
200938495		x			x	x	
200938496			x	x		x	
200938497			x		x	x	
200938514	Dacia Dokker	x		x			x
200938515		x			x		x
200938483	Stellantis K9 / eK9 Stellantis K0 / eK0 Toyota Proace City (Electric) / Toyota Proace (Electric)	x		x			x
200938484		x			x		x
200938485			x	x			x
200938486			x		x		x
200938483	Mercedes-Benz Vito / V-Klasse / EQV	x		x			x
200938484		x			x		x
200938485			x	x			x
200938486			x		x		x
200938483	Fiat Talento / Nissan NV300 / Renault Trafic	x		x			x
200938484		x			x		x
200938485			x	x			x
200938486			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





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