

Construction elements

Rails, sheets, sealing strips, insulation, side underrun systems, underrun protection device and chassis components

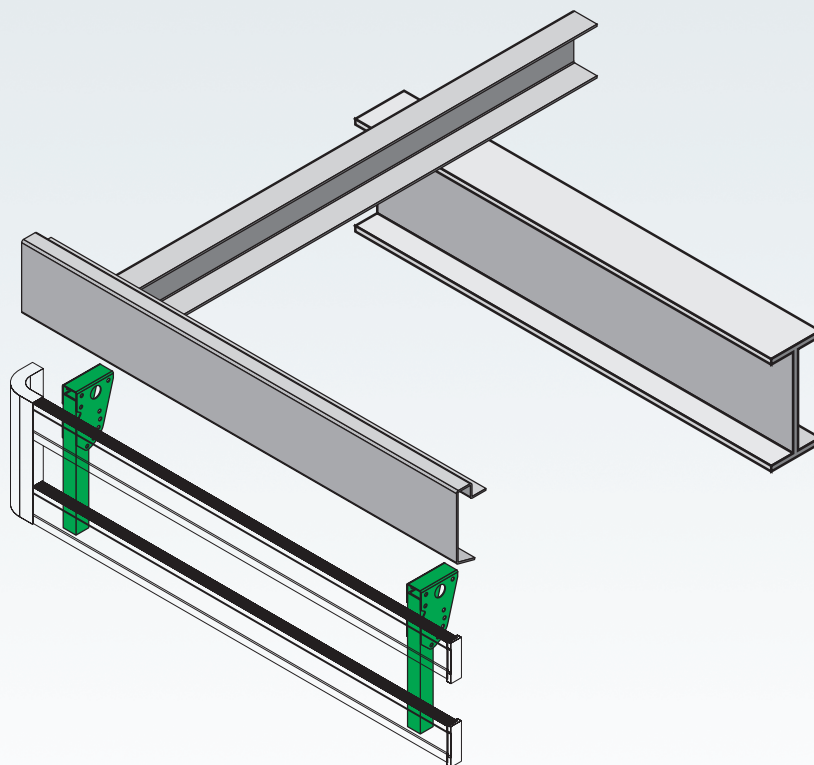


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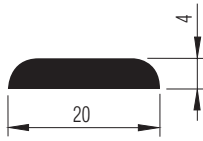
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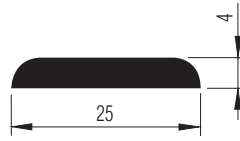
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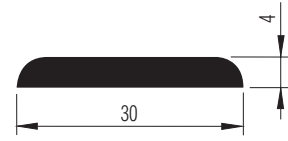
Flashing and flats



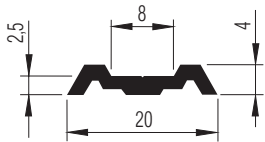
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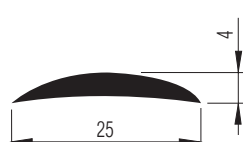
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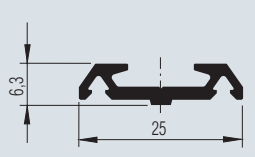
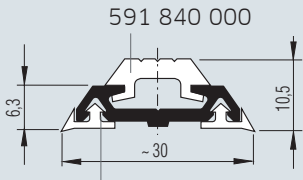
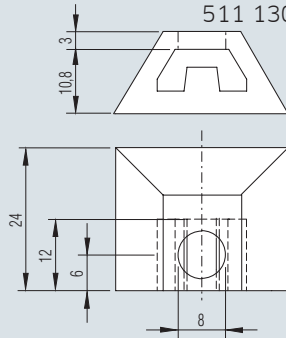
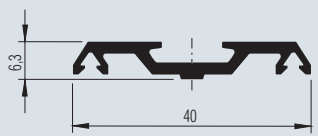
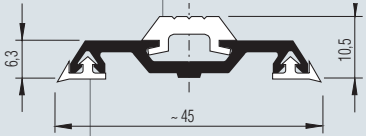
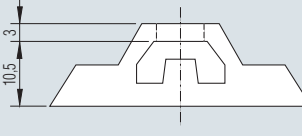
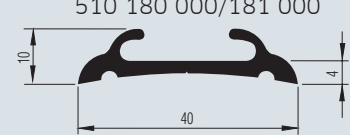
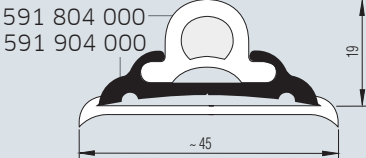
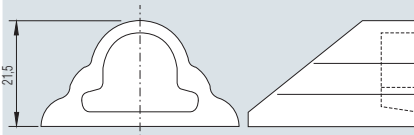
510 032 000/033 000

Aluminium flashing and flats

Dimensions [mm]	Material	Surface	Weight approx. [kg/m]	Article No.
20 x 4 x 5000	EN AW-6060 T66 (AlMgSi)	mill-finish	0.200	510 020 000
		anodized ¹	0.200	510 021 000
25 x 4 x 5000	EN AW-6060 T66 (AlMgSi)	mill-finish	0.250	510 030 000
		anodized ¹	0.250	510 031 000
		mill-finish	0.170	510 032 000
		anodized ¹	0.170	510 033 000
30 x 4 x 5000	EN AW-6060 T66 (AlMgSi)	mill-finish	0.305	510 040 000
		anodized ¹	0.305	510 041 000

¹ E6/EV1 (natural colour)

Side panel flashings

Rub rails and side panel flashings	Filler profiles	Endpieces for profile combination
 <p>510 130 000/131 000</p>	 <p>591 840 000 591 940 000</p>	 <p>511 130 000</p>
 <p>510 150 000/151 000</p>	 <p>591 840 000 591 940 000</p>	 <p>511 150 000</p>
 <p>510 180 000/181 000</p>	 <p>591 804 000 591 904 000</p>	 <p>511 180 000</p>

Rub rails and side panel flashings with insert

With fixing groove for countersunk and concealed fixing

Dimensions	Material	Surface	Weight approx.	Filler profile ³ Article No.	Endpiece ² Article No.	Blade shoe Wide footing ³ Article No.	Article No.
[mm]			[kg/m]				
25 x 6.3 x 5000	EN AW-6060 T66 (AlMgSi)	mill-finish	0.19	591 840 000	511 130 000	591 940 000	510 130 000
		anodized ¹	0.19	591 840 000	511 130 000	591 940 000	510 131 000
40 x 6.3 x 5000	EN AW-6060 T66 (AlMgSi)	mill-finish	0.31	591 840 000	511 150 000	591 940 000	510 150 000
		anodized ¹	0.31	591 840 000	511 150 000	591 940 000	510 151 000
40 x 10.0 x 5000	EN AW-6060 T66 (AlMgSi)	mill-finish	0.37	591 804 000	511 180 000	591 904 000	510 180 000
		anodized ¹	0.37	591 804 000	511 180 000	591 904 000	510 181 000

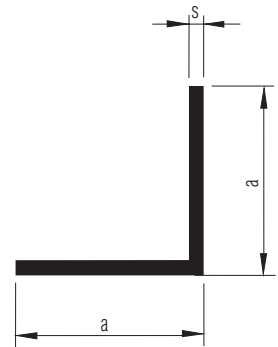
¹ E6/EV1 (natural colour)

² Endpiece made from polyurethane-elastomer (on a polyurethane-basis). With pocket hole as a retainer for the insert section.

³ Blade shoe, wide footing, filler profile see page 51.01.01.5

Beadings, fixing and angle profiles

Fixing and angle profiles



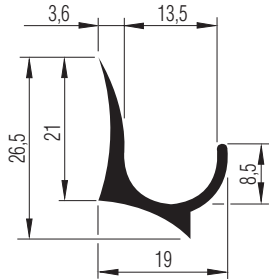
510 310 000 - 510 331 000

Dimensions a x s x L [mm]	Material	Surface	Weight approx. [kg/m]	Article No.
20 x 20 x 2 x 5000	EN AW-6060 T66 (AlMgSi)	mill-finish	0.205	510 310 000
		anodized ¹	0.205	510 311 000
30 x 30 x 2 x 5000	EN AW-6060 T66 (AlMgSi)	mill-finish	0.315	510 330 000
		anodized ¹	0.315	510 331 000

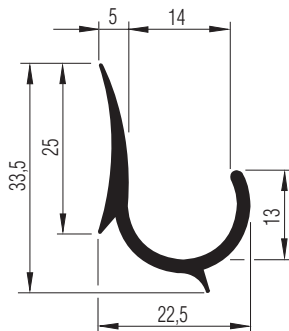
¹ E6/EV1 (naturfarbig)

Rain strips

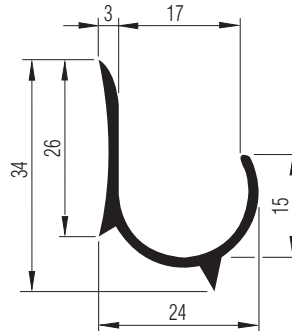
Rain strips



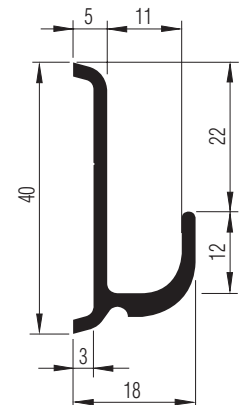
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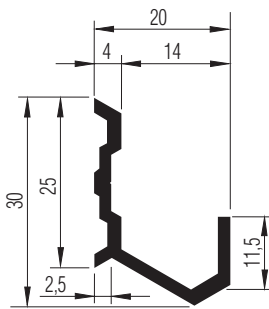
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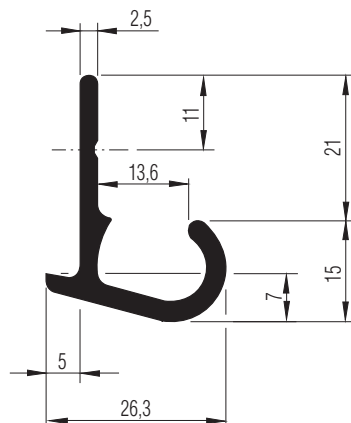
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510 670 001 / 510 671 001



510 650 001 / 510 651 001



631 404 000

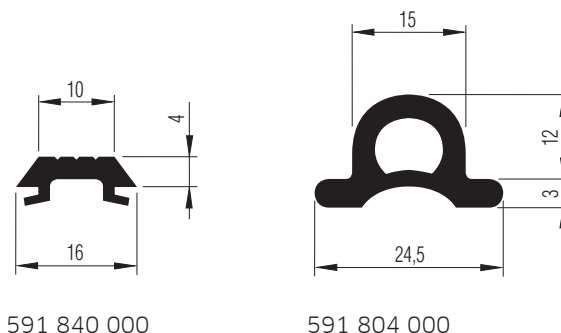
Dimensions outside	Material	Surface	Weight approx.	Filler profile ²	Blade shoe ²	Wide footing ²	Article No.
[mm]			[kg/m]	Article No.	Article No.	Article No.	
19 x 26,5 x 5100	EN AW-6060 T66	mill-finish	0.235	-	-	-	510 620 001
	(AlMgSi)	anodized ¹	0.235	-	-	-	510 621 001
22,5 x 33,5 x 5100	EN AW-6060 T66	mill-finish	0.325	-	-	-	510 630 001
	(AlMgSi)	anodized ¹	0.325	-	-	-	510 631 001
24 x 34 x 5100	EN AW-6060 T66	mill-finish	0.290	-	-	-	510 640 001
	(AlMgSi)	anodized ¹	0.290	-	-	-	510 641 001
18 x 40 x 5100	EN AW-6060 T66	mill-finish	0.390	-	-	591 904 000	510 670 001
	(AlMgSi)	anodized ¹	0.390	-	-	591 904 000	510 671 001
26,3 x 36 x 6000	EN AW-6005 A T66	anodized ¹	0.500	-	-	-	631 404 000
	(AlMgSi [A])						

¹ E6/EV1 (natural colour)

² Blade shoe, wide footing, filler profile see page 51.01.01.5

Filler profiles, blade shoe, wide footing

Filler profiles



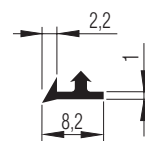
591 840 000

591 804 000

Type	Suitable for profiles	Layout in rolls approx. [m]	Material	Colour	Weight approx. [kg/m]	Article No.
Decorative filler profile	510 130 000/131 000/150 000/151 000/420 000/421 000/660 001	25	Soft PVC	black	0.070	591 840 000
Impact filler profile	510 180 000/181 000	25	Rubber	black	0.233	591 804 000

Blade shoe

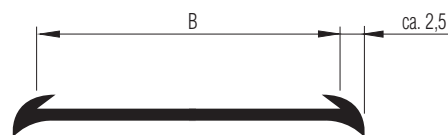
- The base insert widens the equivalent aluminium profile on one side by approximately 2,5 mm and on both sides by approximately 5 mm
- The end inserts also suits the sections when the base insert is fitted



Layout: Cut to length on request
Material: Soft-PVC
Colour: black
Weight: approx. 0.025 kg/m
Article No. 591 940 000

Wide footing

- They widen the equivalent aluminium profile by approximately 5 mm.
- Rail end inserts can also be placed underneath.



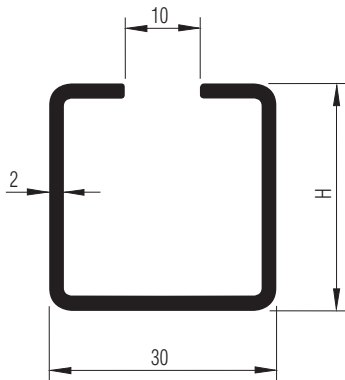
Interior Width B [mm]	Layout in rolls approx. [m]	Material	Colour	Weight approx. [kg/m]	Article No.
35,5	60	Rubber	black	0.120	591 903 000
40,5	100	Rubber	black	0.130	591 904 000

Profile cross-sections on a scale of 1:1

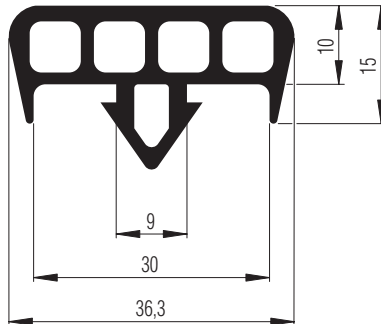
All technical specifications contained in this brochure are approximate and no guarantee is given as to their accuracy. Designs are subject to change.

Split tubes, inserts

Split tubes



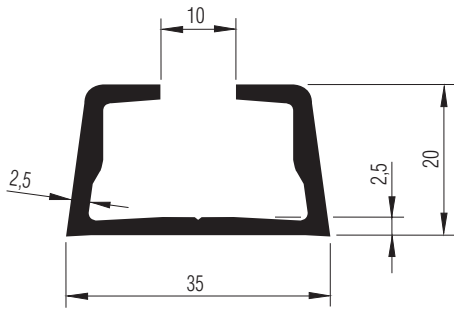
501 310 000 / 320 000
518 010 000 / 020 000



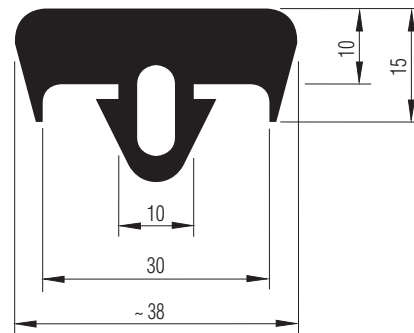
599 101 000



511 010 000 (30 mm of height)
511 020 000 (40 mm of height)



518 140 000 / 141 000



599 110 000



511 199 000

Dimensions H x L	Material	Surface	Weight approx.	Endpiece ² Article No.	Wide footing ³ Article No.	Article No.
[mm]			[kg/m]			
30 x 6000	Steel	sendzimir galvanized	1.480	511 010 000	-	501 310 000
	EN AW-6060 T66 (AlMgSi)	mill-finish	0.530	511 010 000	-	518 010 000
40 x 6000	EN AW-6060 T66 (AlMgSi)	mill-finish	0.630	511 020 000	-	518 020 000
20 x 5000	EN AW-6060 T66 (AlMgSi)	mill-finish	0.515	511 199 000	591 903 000	518 140 000
	EN AW-6060 T66 (AlMgSi)	anodized ¹	0.515	511 199 000	591 903 000	518 141 000

Inserts suitable for the above profiles

Layout approx.	Material	Colour	Hardness Shore A	Weight approx.	Article No.
[m]				[kg/m]	
25	Rubber	black	70 ± 5	0.460	599 101 000
25	Rubber	black	75 ± 5	0.515	599 110 000

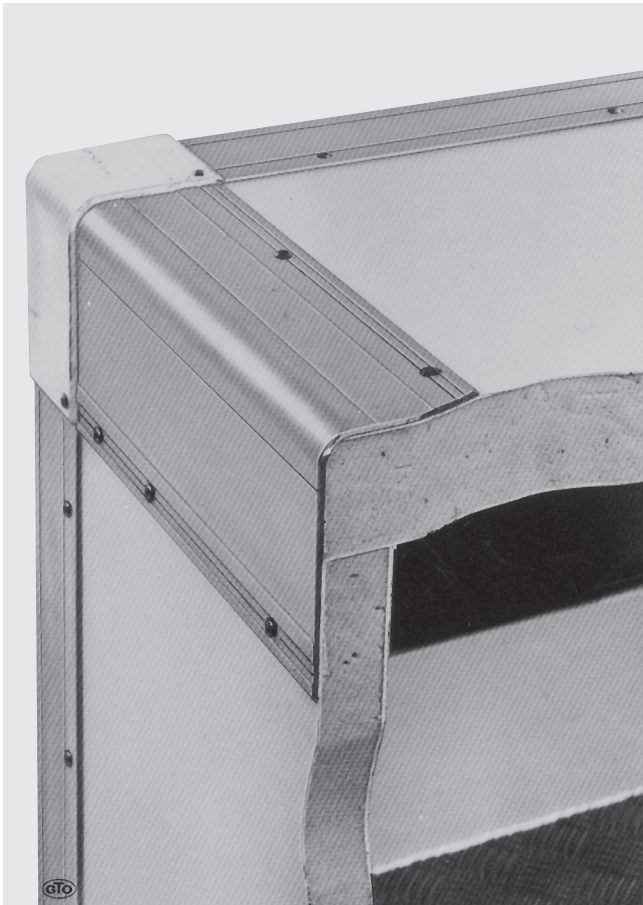
¹ E6/EV1 (natural colour)

² Endpieces made from polyurethane-elastomer (on a polyurethane basis). 511 010/020 with shaft for insertion (self-securing), 511 199 with aluminium attachment element (2 x ø 5 mm fixing holes).

³ Wide footing see page 50.01.01.5

KR-program

Titgemeyer's KR range comprises a variety of profiles for connecting and locking, covering and framing vehicle bodies in the vehicle manufacturing and body building sectors, for body kits, box bodies, delivery vans, tanks and containers and other means of transport with panelled walls made of plastics, sandwich panels, plywood, etc.

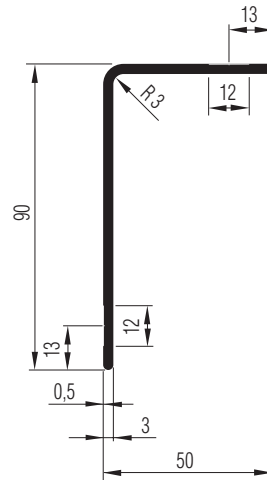


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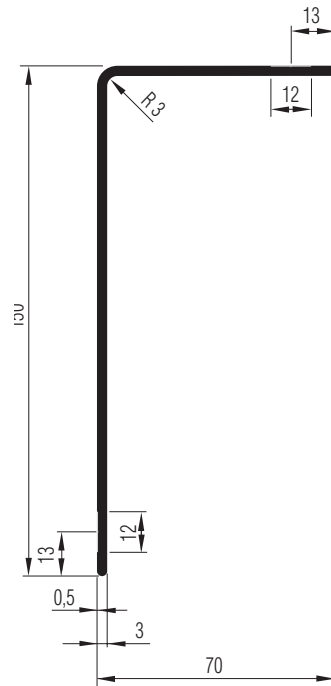
KR-program

Connection and cover angle

Suitable as cantrail and angular column



518 220 000 / 221 000



518 230 000

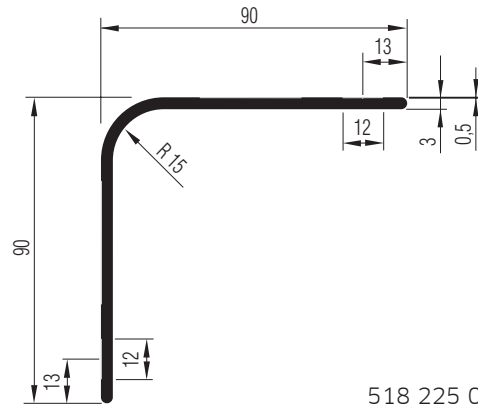
Dimensions [mm]	Material	Surface	Weight approx. [kg/m]	Article No.
50 x 90 x 7500	EN AW-6063 T66 (AlMg 0,7 Si)	mill-finish	1.06	518 220 000
		anodized ¹	1.06	518 221 000
70 x 150 x 7500	EN AW-6063 T66 (AlMg 0,7 Si)	mill-finish	1.70	518 230 000

¹ E6/EV1 (natural colour)

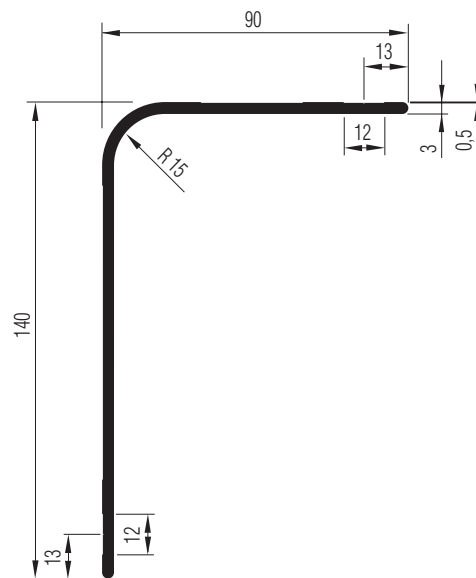
KR-program

Connection and cover angle

With large radius



518 225 000 / 226 000



518 235 000

Dimensions [mm]	Material	Surface	Weight approx. [kg/m]	Article No.
90 x 90 x 7500	EN AW-6063 T66 (AlMg 0,7 Si)	mill-finish	1.35	518 225 000
		anodized ¹	1.35	518 226 000
90 x 140 x 8500	EN AW-6063 T66 (AlMg 0,7 Si)	mill-finish	1.90	518 235 000

¹ E6/EV1 (natural colour)

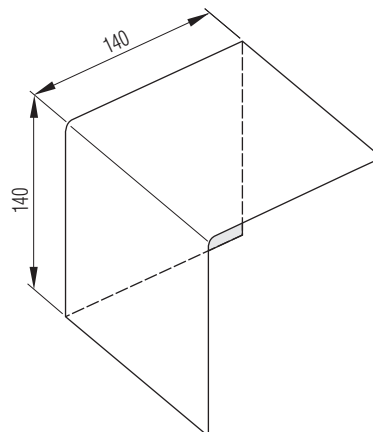
PVC-corner

For KR-profile 518 235 and 518 225 / 226

Material: PVC, with rough edges to be cut to suit
Smooth external and internal surface,
white

Material thickness: approx. 2.5 mm

Article No. 590 251 000

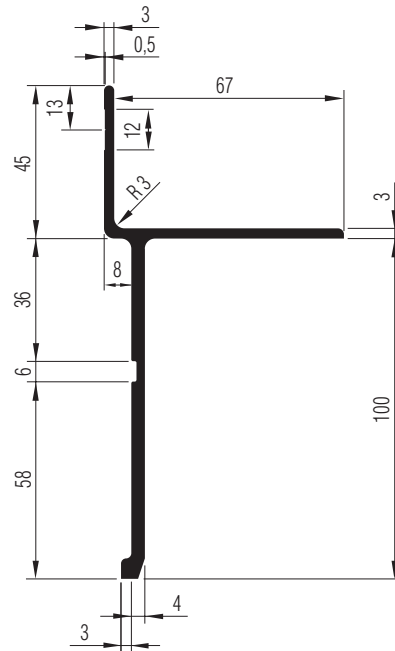


KR-program

Side rave profile

- Wide floor support
- 100 mm long flange ensures secure connection of superstructure to baseframe (base assembly, outer frame, etc.) and for the stable connection of body with the substructure. The wall-cover flange may be delivered pre-drilled on request (drilling groove, dimension 13 mm)
- Please enquire for further information

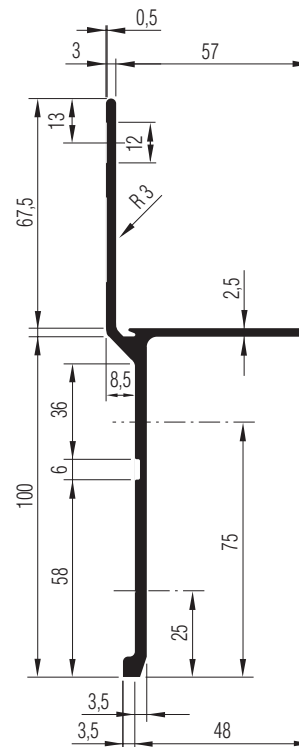
Length: 7500 mm
Material: EN AW-6063 T66 (AlMg 0.7 Si)
Surface: mill finish
Weight: approx. 2.0 kg/m
Article No. 518 250 000



Side rave profile

- Together with the flange extension 518 258 000, provides a floorsupporting surface (horizontal flange) of approx. 117 mm
- At the same time, a bearing on the substructure of approx. 107 mm
- Vertical flange for external covering of substructure (base assembly, side raves, etc.), and for the stable connection of the superstructure to the substructure, 100 mm long

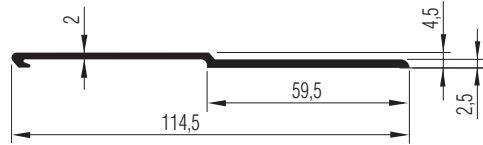
Length: 8500 mm
Material: EN AW-6063 T66 (AlMg 0.7 Si)
Surface: mill finish
Weight: approx. 1.9 kg/m
Article No. 518 255 000



KR-program

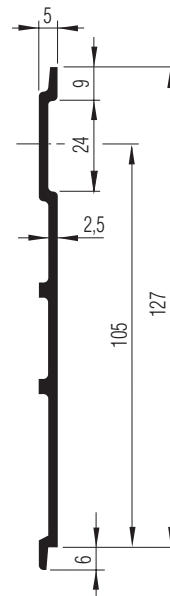
Flange extension

Length: 8500 mm
Material: EN AW-6063 T66 (AlMg 0.7 Si)
Surface: mill finish
Weight: approx. 0.8 kg/m
Article No. 518 258 000



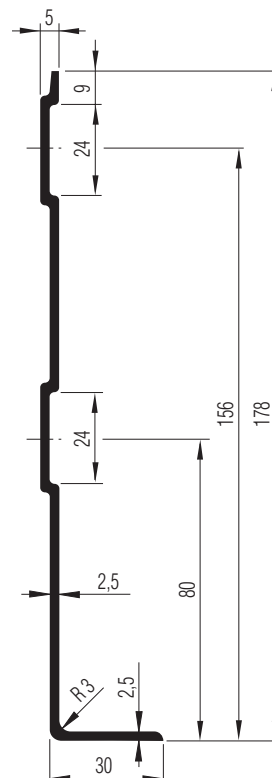
Upper kick strip

Length: 7500 mm
Material: EN AW-6063 T66 (AlMg 0.7 Si)
Surface: anodized E6/EV 1
Weight: approx. 0.93 kg/m
Article No. 518 365 000



Lower kick strip

Length: 7500 mm
Material: EN AW-6060 T66 (AlMgSi)
Surface: anodized E6/EV 1
Weight: approx. 1.47 kg/m
Article No. 518 360 000



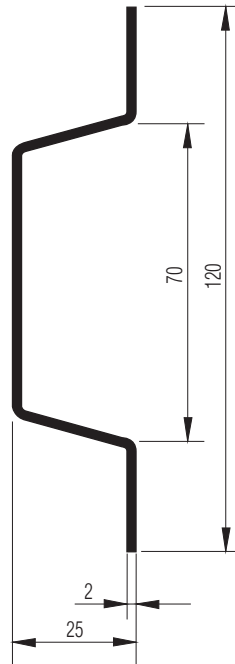
Top hat sections

Buttress post

Length:	5000 mm
Wx:	5.87 cm ³
Wy:	3.33 cm ³
Material:	EN AW-6063 T66 (AlMg 0.7 Si)
Surface:	mill finish
Weight:	approx. 0.842 kg/m
Article No.	518 350 000

This section is also available with pre-riveted aluminium bolts.

Length:	5000 mm
Article No.	612 212 000

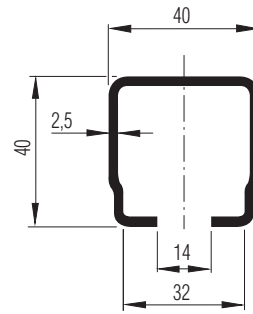


Tracking and rollers

Track (C-profile)

Bottom section tapered to ensure free rolling

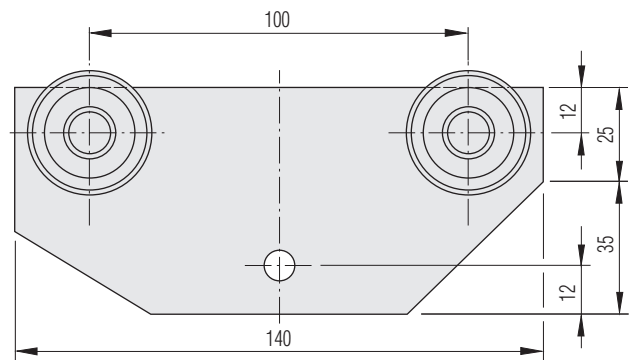
Length:	6000 mm
Section modulus:	$W_x 3.100 \text{ cm}^3$
Material:	Steel, galvanized
Weight:	approx. 2.40 kg/m
Article No.	501 340 000



Track rollers in double pairs

Ball bearing, dust-protected steel roller with bracket

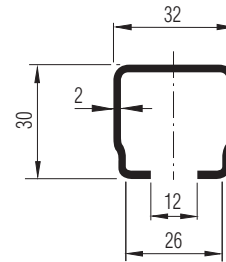
Material:	Steel, galvanized
Weight:	approx. 0.25 kg/each
Article No.	232 956 000



Tracking and rollers

Track (C-profile) lightweight

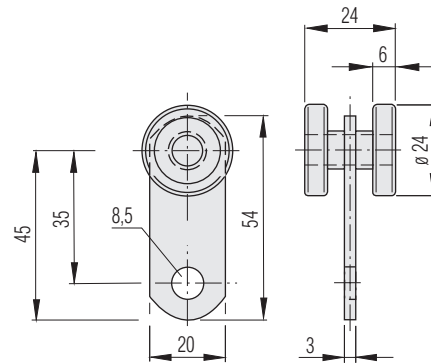
Length: 6000 mm
 Section modulus: $W_x 1.45 \text{ cm}^3$
 Material: Steel, galvanized
 Weight: approx. 1.52 kg/m
 Article No. 218 548 000



Track rollers in pairs, lightweight

Ball bearing, dust-protected steel roller with bracket

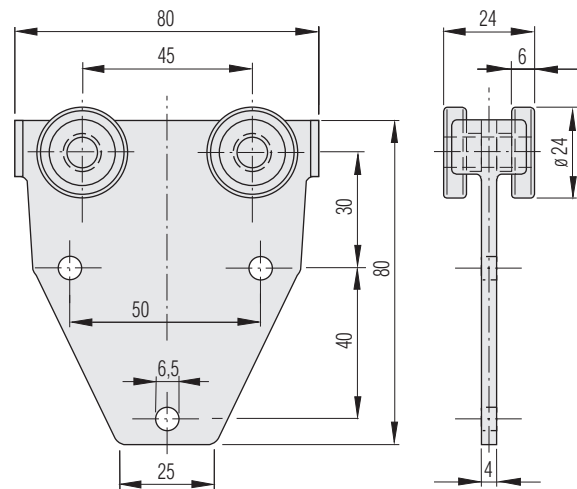
Material: Steel, galvanized
 Weight: approx. 0.055 kg/each
 Article No. 232 954 000



Track rollers in double pairs, lightweight

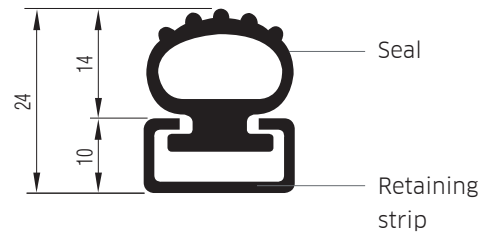
Ball bearing, dust-protected steel roller with bracket

Material: Steel, galvanized
 Weight: approx. 0.235 kg/each
 Article No. 232 955 000



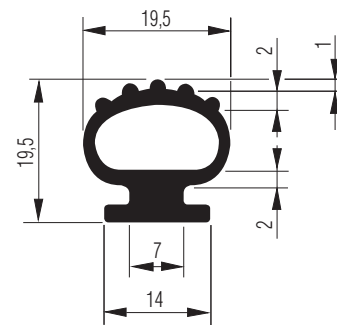
Tailgate seals

This profile combination was developed as a sealing system for tailgates and taillifts. The seal, Article No. 232 111 000, is recessed in the support rail, Article No. 501 330 000, easy and quick to insert. The retaining strip itself can be secured by means of tack welding.



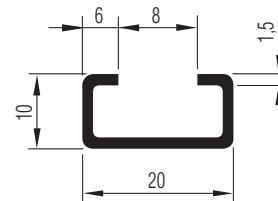
Seal profile, rubber

Hardness:	approx. 60 +/- 5° Shore A
Layout:	In rolls of approx. 25 m
Material:	Rubber, black
Weight:	approx. 0.165 kg/m
Article No.	232 111 000



Seal support rail (C-profile)

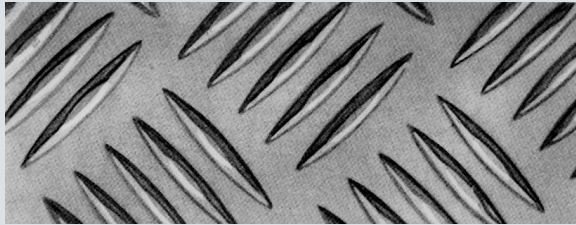
Length:	2500 mm
Material:	Steel, sendzimir galvanised
Weight:	approx. 0.483 kg/m
Article No.	501 330 000



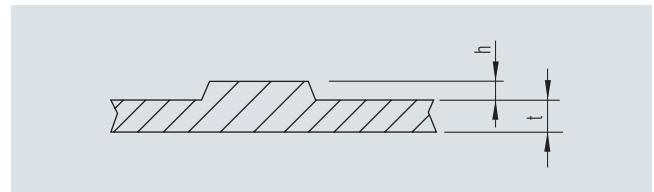
Aluminium sheets

Sheet type	Dimensions t x B x L [mm]	Material	Surface	Weight approx. [kg/each]	Article No.
Aluminium sheets, smooth	1.2 x 1250 x 2500	EN AW-5754 H22/32 (AlMg 3)	rolled	10.125	519 150 000
	1.2 x 1500 x 3000	EN AW-5754 H22/32 (AlMg 3)	rolled	15.552	519 190 000
	2.0 x 1250 x 2500	EN AW-5754 H22/32 (AlMg 3)	rolled	16.700	519 158 000
	3.0 x 1250 x 3000	EN AW-5754 H22 (AlMg 3)	rolled	29.700	519 189 000
Quintet tread plate	2.5 x 1000 x 2000	EN AW-5754 H114 (AlMg 3)	rolled	15.000	519 590 000
	2.5 x 1250 x 2500	EN AW-5754 H114 (AlMg 3)	rolled	24.000	519 592 000
	2.5 x 1500 x 3000	EN AW-5754 H114 (AlMg 3)	rolled	34.600	519 594 000
	3.0 x 1250 x 2500	EN AW-5754 H114 (AlMg 3)	rolled	28.000	519 597 000

Sketch of a 5x button plate (with groups of five marks), Dimensions as per DIN 59605



Base thickness t [mm]	Rib height h [mm]
2.5	1.5
3.0	1.5



Aluminium sheets large (floors)

Sheet type	Dimensions t x B x L [mm]	Euro-Norm	Material	Surface	Weight approx. [kg/sheet]	Article No.
Barley seed	2.7/3.2 x 2500 x 6200	1386	EN AW-5086 H244 (AlMg4Mn)	rolled, reverse side primed	120,0	519 650 000
	2.7/3.2 x 2500 x 7500	1386	EN AW-5086 H244 (AlMg4Mn)	rolled, reverse side primed	148,0	519 654 000
	2.7/3.2 x 2500 x 8500	1386	EN AW-5086 H244 (AlMg4Mn)	rolled, reverse side primed	164,0	519 656 000

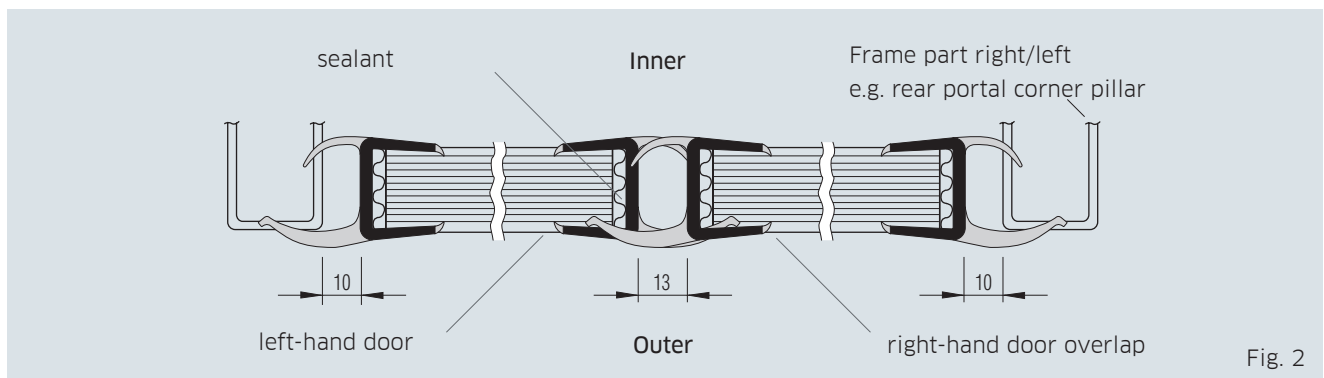
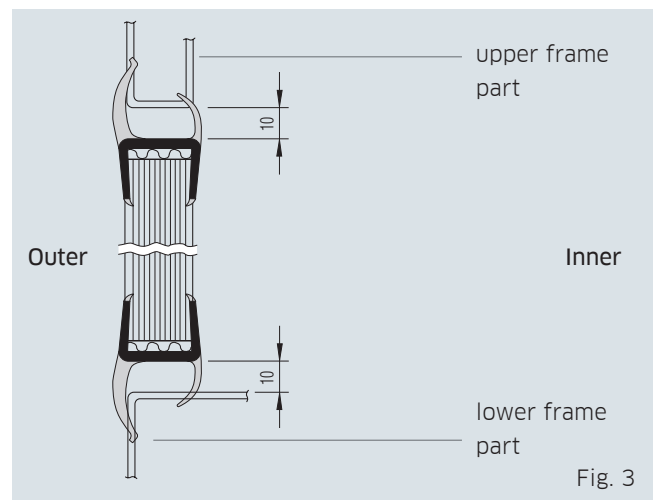
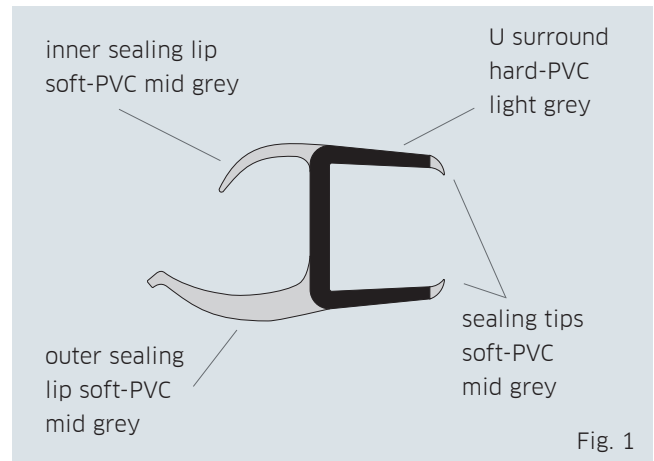
Barley seed



PVC sealing strips in hard/soft combination

The basic panel components, (plywood, plastic sandwich constructions etc.) are enclosed all the way round with the hard PVC U-profile. The soft PVC lips at either end of the U-profile serve as a tight seal to the enclosed elements. They mould themselves to the outer surface of the components. This is an important advantage of the PVC seals in hard / soft combination from Titgemeyer. The panel components are naturally protected against the penetration of dampness. The long soft PVC lip forms the outer seal, and the shorter the inner seal. To ensure that the soft lips operate at their most efficient when opening and shutting, an appropriate clearance between seal and frame parts is necessary.

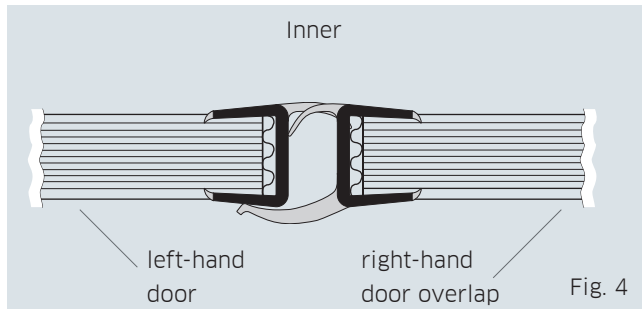
This essential clearance is to be taken into account when preparing the appropriate panel components. The measurements given by us (10 and 13 mm) are non-binding suggestions. In each case you should calculate the essential clearance yourself.



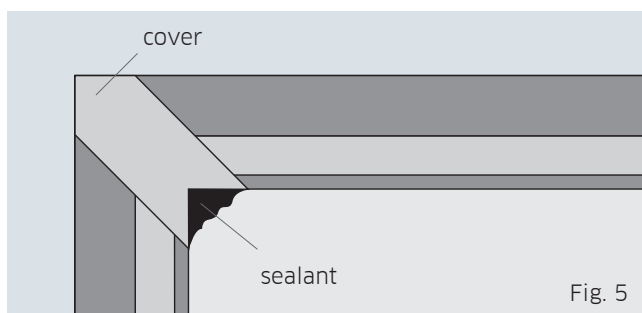
PVC sealing strips in hard/soft combination

Configuration: supplied as bars
Material: Polyvinyl chloride (PVC)
 hard / soft combination
 hard-U lock, light grey
 sealing lips and grooves, medium grey

Width clearance, U-profile [mm]	Seal type	Manufactured length [mm]	Weight approx. [kg/m]	Article No.
21	2-lipped	2700	0.380	593 021 000
	1-lipped	2700	0.295	593 022 000
27	2-lipped	2700	0.390	593 027 000
	1-lipped	2700	0.330	593 028 000
	2-lipped	3300	0.390	593 030 000

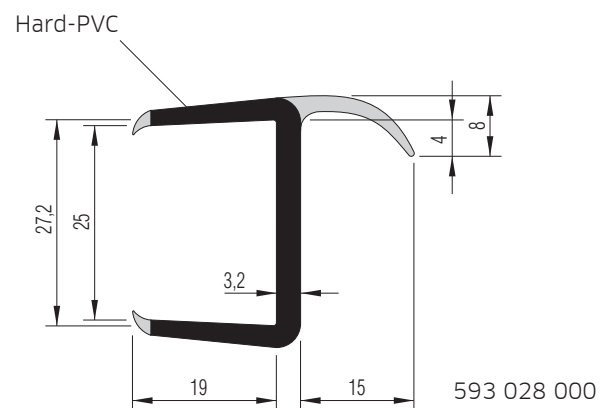
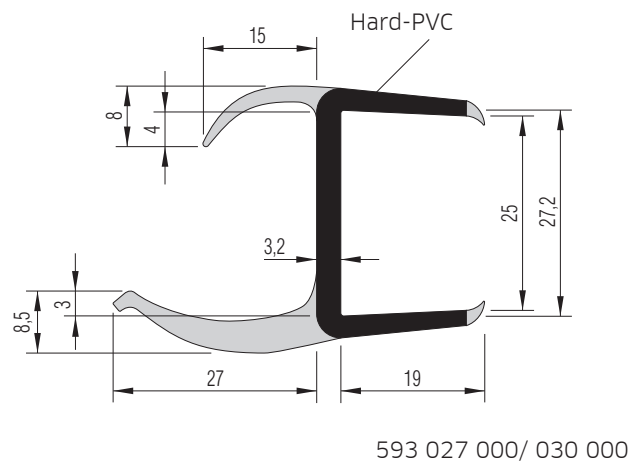
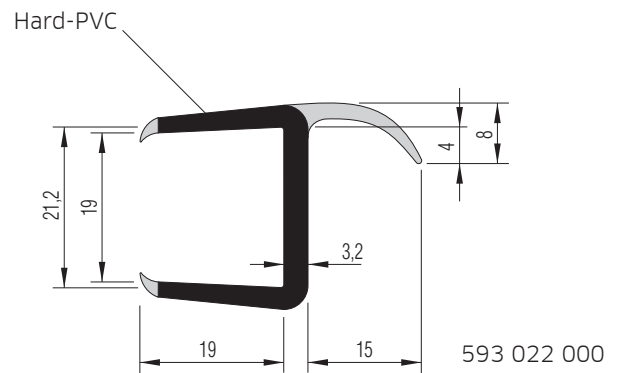
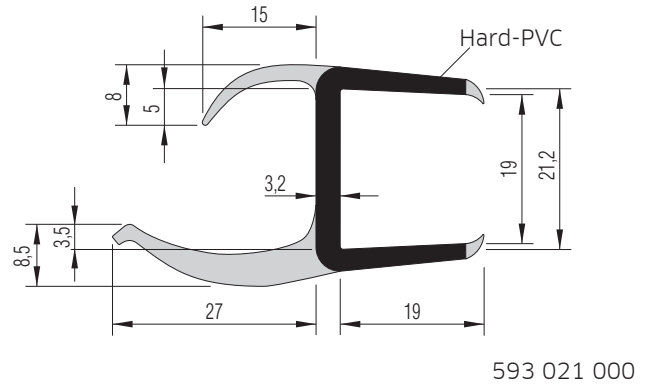


Types 21, 2 lips (593 021 000) and 1 lip (593 022 000) belong as a system, just as directly together as the other models with an interior width of 27 mm (593 027 000 and 593 028 000). The sealing principle is as shown in Fig. 4.



We supply the following products for gluing the cover strips to outside and inside mitres:

- Special adhesive, Köraplast SF, Article No. 820 200 000, sufficient for approx. 7 - 9 door panels
- 60 g tube

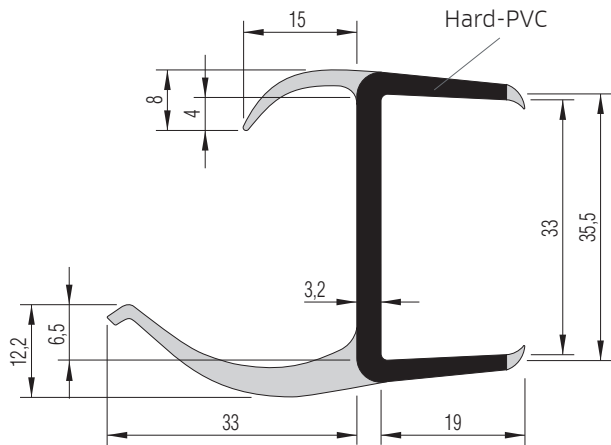


PVC sealing strips in hard/soft combination

Configuration: supplied as bars
Material: Polyvinyl chloride (PVC)
 hard / soft combination
 hard-U lock, light grey
 sealing lips and grooves, medium grey

Width clearance, U-profile [mm]	Seal type	Manufactured length [mm]	Weight approx. [kg/m]	Article No.
35	2-lipped	2700	0.359	593 035 000
	2-lipped	3100	0.359	593 036 000
40	2-lipped	2700	0.460	593 041 000
55	2-lipped	2700	0.630	593 055 000

¹ Without sealing grooves on the hard-U lock!



593 035 000 / 036 000

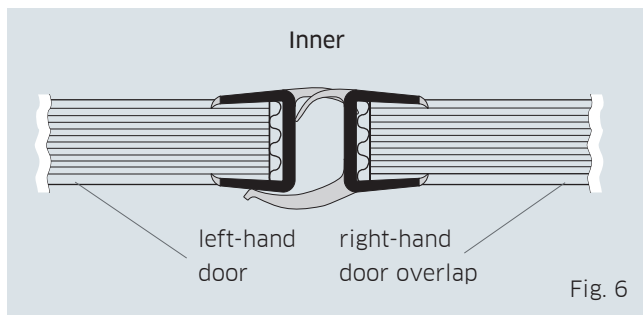
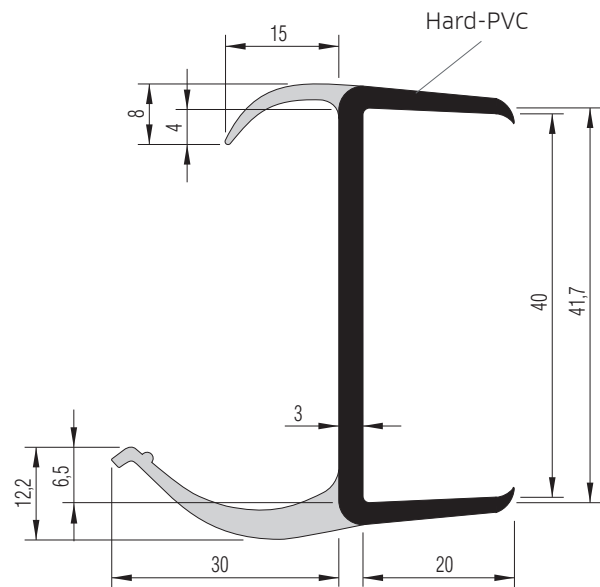


Fig. 6

A single-lip seal can also be readily created from these types. This involves cutting off the long sealing lip.

The sealing principle is as shown in Fig. 6.



593 041 000

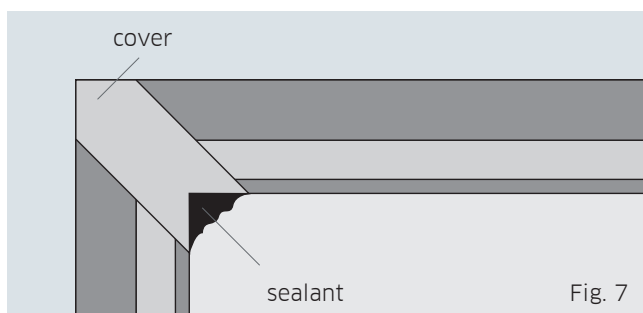
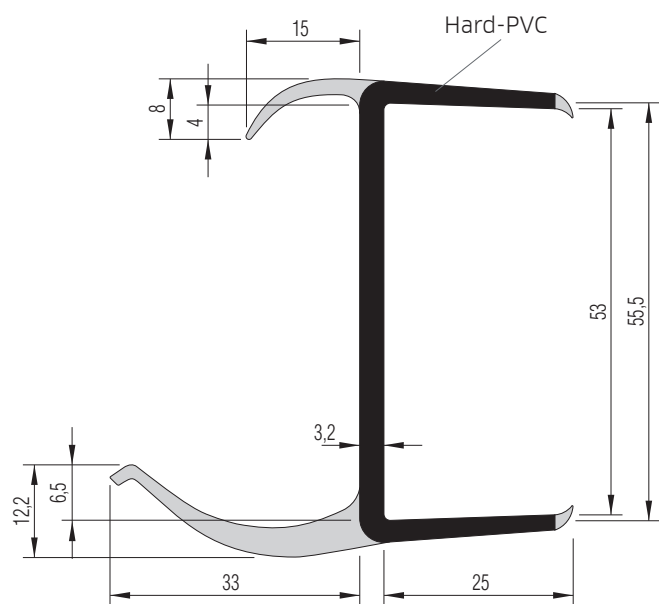


Fig. 7

We supply the following products for gluing the cover strips to outside and inside mitres:

- Special adhesive, Köraplast SF, Article No. 820 200 000, sufficient for approx. 7 - 9 door panels
- 60 g tube



593 055 000

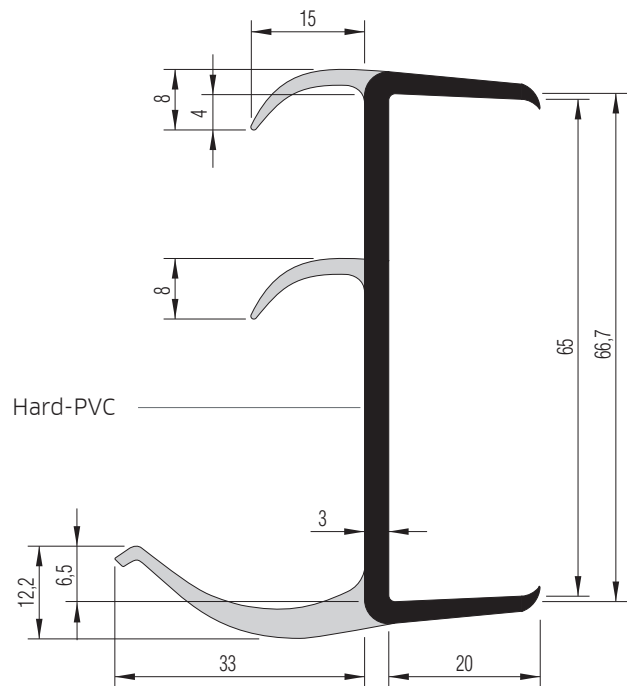
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PVC sealing strips in hard/soft combination

PVC seal

- In hard / soft combination
- 3 lips, inner width U-profile 65 mm
- Without sealing nose on the hard U-surround

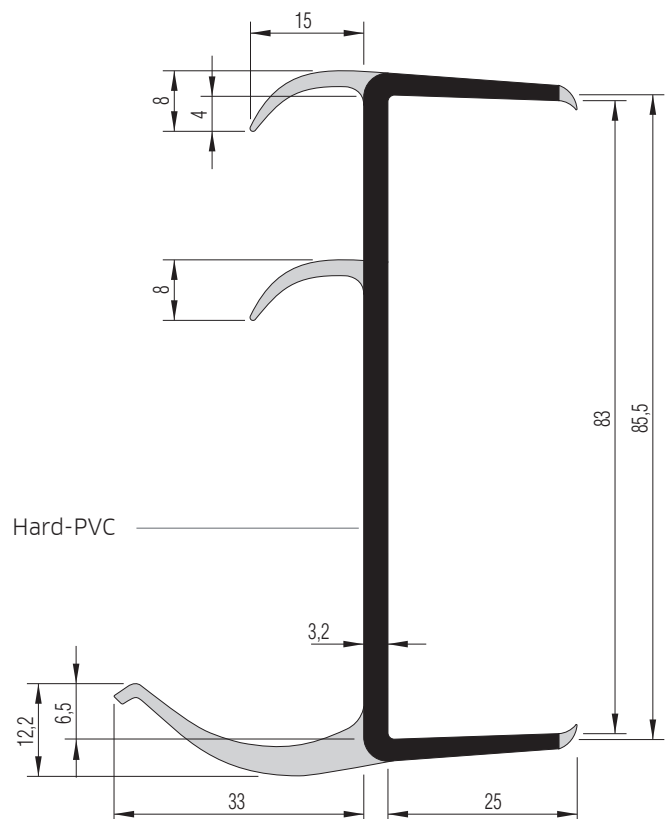
Production length: 2700 mm
Configuration: supplied as bars
Material: Polyvinyl Chloride (PVC)
 hard / soft combination
Colour: hard-U lock - light grey
 sealing lips - medium grey
Weight: approx. 0.74 kg/m
Article No. 593 065 000



PVC seal

- In hard / soft combination.
- 3 lips, inner width U-profile 85 mm.
- Production length: 2700 mm

Configuration: supplied as bars
Material: Polyvinyl Chloride (PVC)
 hard / soft combination
Colour: hard-U lock - light grey
 sealing lips and grooves - medium grey
Weight: approx. 0.83 kg/m
Article No. 593 086 000



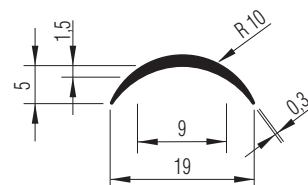
These 2 seals offer an especially good guarantee for a tight seal due to the three sealing lips.

We supply the following products for gluing the cover strips to outside and inside mitres:

- Special adhesive, Körplast SF, Article No. 820 200 000, sufficient for approx. 7 - 9 door panels
- 60 g tube

PVC masking strips

Configuration: roll, continuous, m.
Material: Polyvinyl Chloride (PVC), soft
Colour: medium grey
Weight: approx. 0.035 kg/m
Article No. 593 095 000



593 055 000

PVC sealing strips in hard/soft combination

Method of assembly and repair

An assembly frame (e.g. rear gate) of the exact size, clean cut and rigid, is the basis for an easy assembly, and optimal functioning of the complete sealing system. At the same time, the cut of the component, door, flap, lid, which is surrounded by the seal, as regards parallelism and cleanness of the cut, is very important.

Fig. 8

Cut the seal for the bevel clean and as close as possible to 45 degrees. Acknowledge the essential space of approx. 2 to 3 mm.

Fig. 9

The panel component to be surrounded with the seal should be, especially with respect to the core, dry, flat and dust-free. Put the sealing substance, as in diagram 9, onto the inner surface of the U-profile flange and approximately in the middle of the inner surface and U-shaped at the profile end.

Fig. 10

Put sealing substance on the corners of the panel components. Put the seal around and press down. Generate additional pressure, e.g. on plywood, by using extra nails or clamps at appropriate intervals. For metal components, pressure can be exerted by blind rivets. For sandwich components, (foam core), instead of the standard sealing substance, a sealing substance with the same adhesive force or a similar adhesive can be used.

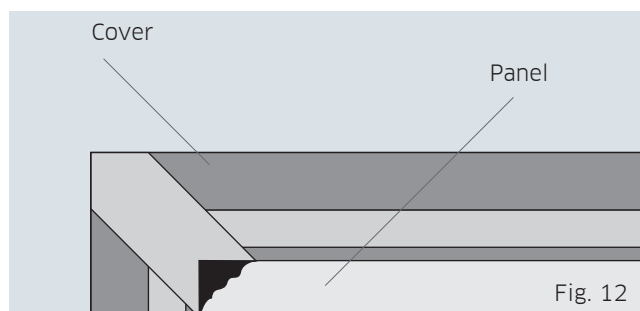
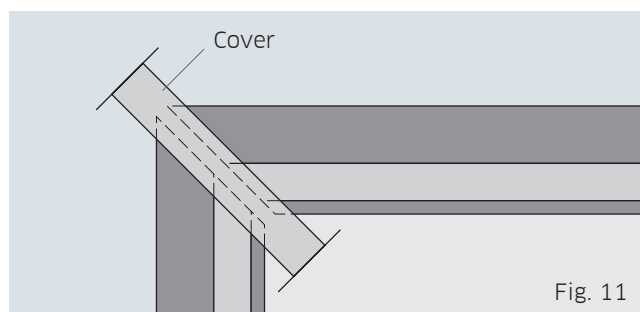
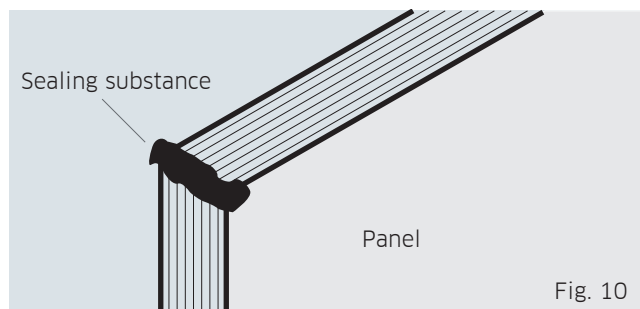
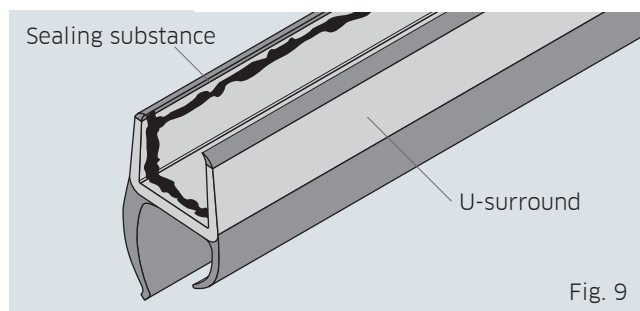
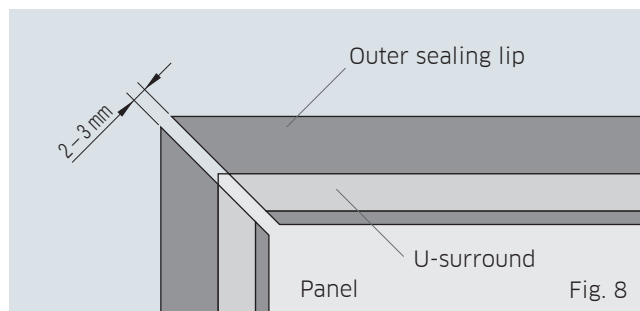
Fig. 11 and 12

Cut masking strip 593 095 000, apply adhesive, stick on and press down, trim with a sharp knife, press down again (possibly using a screw clamp). Put sealing substance on the lower end of the covering in order to seal the bevel chink. No stress should be exerted on the joint until at least 24 hours later.

We supply the following products for gluing the cover strips to outside and inside mitres:

- Special adhesive, Köraplast SF, Article No. 820 200 000, sufficient for approx. 7 - 9 door panels
- 60 g tube

The instructions, information and suggestions are not binding. They are in accordance with the extent of our knowledge at the time of print of this product information, and are passed on as we believe to be applicable. Please carry out your own tests in each case. This is not only in relation



to the suggestions mentioned, but also to the suitability of our product for each case.

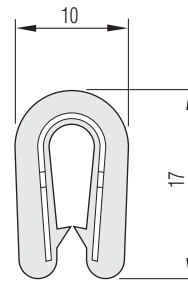
All technical specifications contained in this brochure are approximate and no guarantee is given as to their accuracy. Designs are subject to change.

Edge protection

Edge protection profile made from plastic

With embedded metal clamp fittings

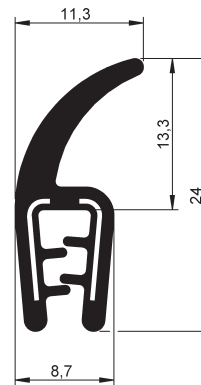
Minimum quantity [m]	Clamp width [mm]	Material	Colour	Weight approx. [kg/m]	Article No.
25	1.0 - 4.5	PVC	black	0.177	599 250 000



Edge protection profile made from plastic

With sealing lip

Clamp width:	0.5 - 3 mm
Material:	PVC with steel clamp fittings
Colour:	black
Weight:	0.187 kg/m
Article No.	599 320 000



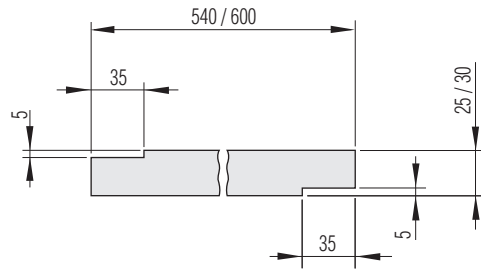
Styropor-hard foam

Styropor-hard foam

- Insulation plates on styrol basis, white, class PS15SE
- Insulation resistance according to German Industrial Standards (DIN) 18 164 and 4108
- Thermal conductivity group 040 at 30 mm plate thickness

$$= 1.087 \frac{W}{m^2 K}$$

Weight: = volume weight approx. 15 kg/m³



Styropor-hard foam

Special cuts and cutouts are suitable for the profile version of the GETO Van and GETO City super structures and similar body designs.

s = Thickness	Dimensions	suitable for construction model	For insertion in	Part No.
[mm]	[mm]			
25	1000 x 540	GETO Van GETO City	Wall	519 758 000
30	1000 x 600	GETO Van GETO City	Roof	519 756 000

All technical specifications contained in this brochure are approximate and no guarantee is given as to their accuracy. Designs are subject to change.

SIDELINE

SIDELINE options at a glance

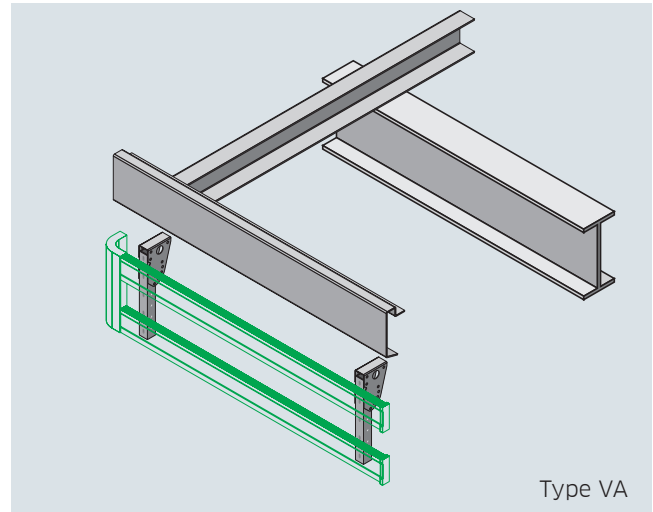
SIDELINE mountings

Type VA: For all vehicles and superstructures, without bracing, rigid and hinged version available. Installation on the external frame, on the floor, on the transverse rail

- All SIDELINE mountings are inspected together with our rail sections as one system in accordance with Regulation ECE-R73
- ECE type approval number E1 73R-010105

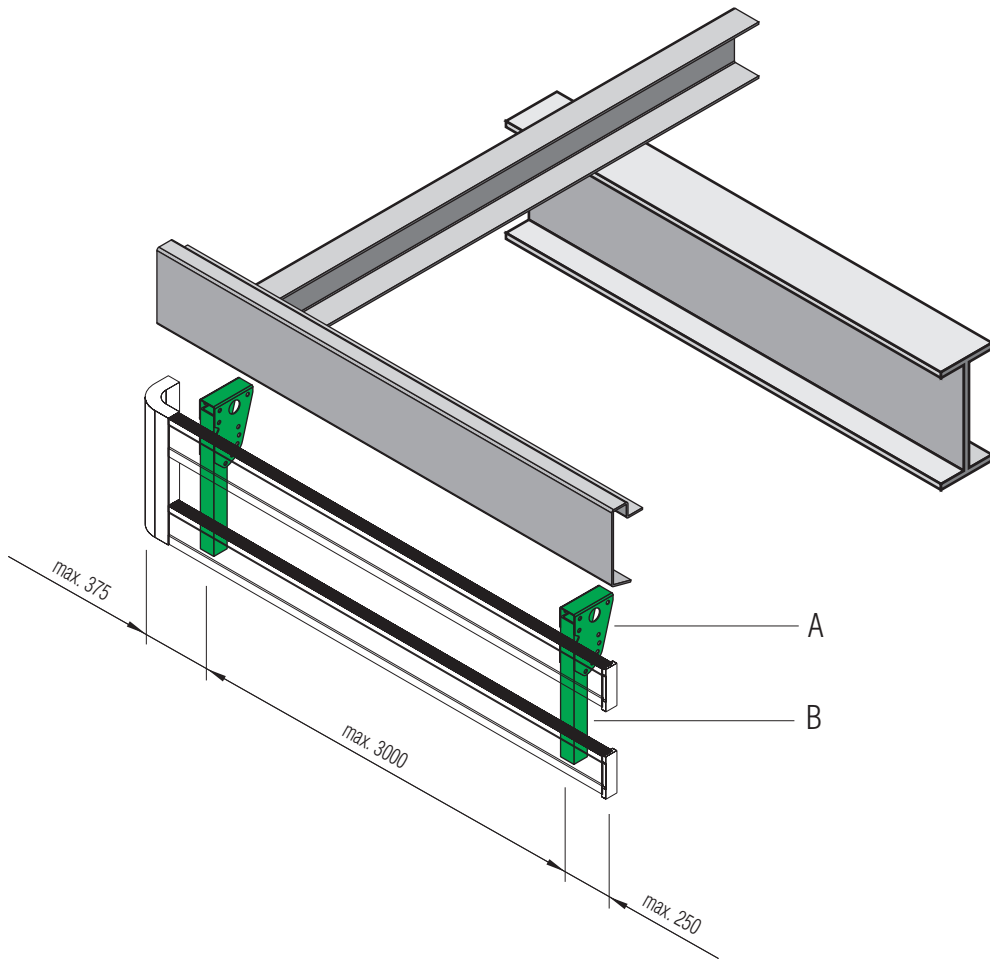
SIDELINE profiles

- Rail profiles suitable for all mounting systems in 3200, 3600, 4000, 5200, 6000 mm length
- End profiles and caps are also available

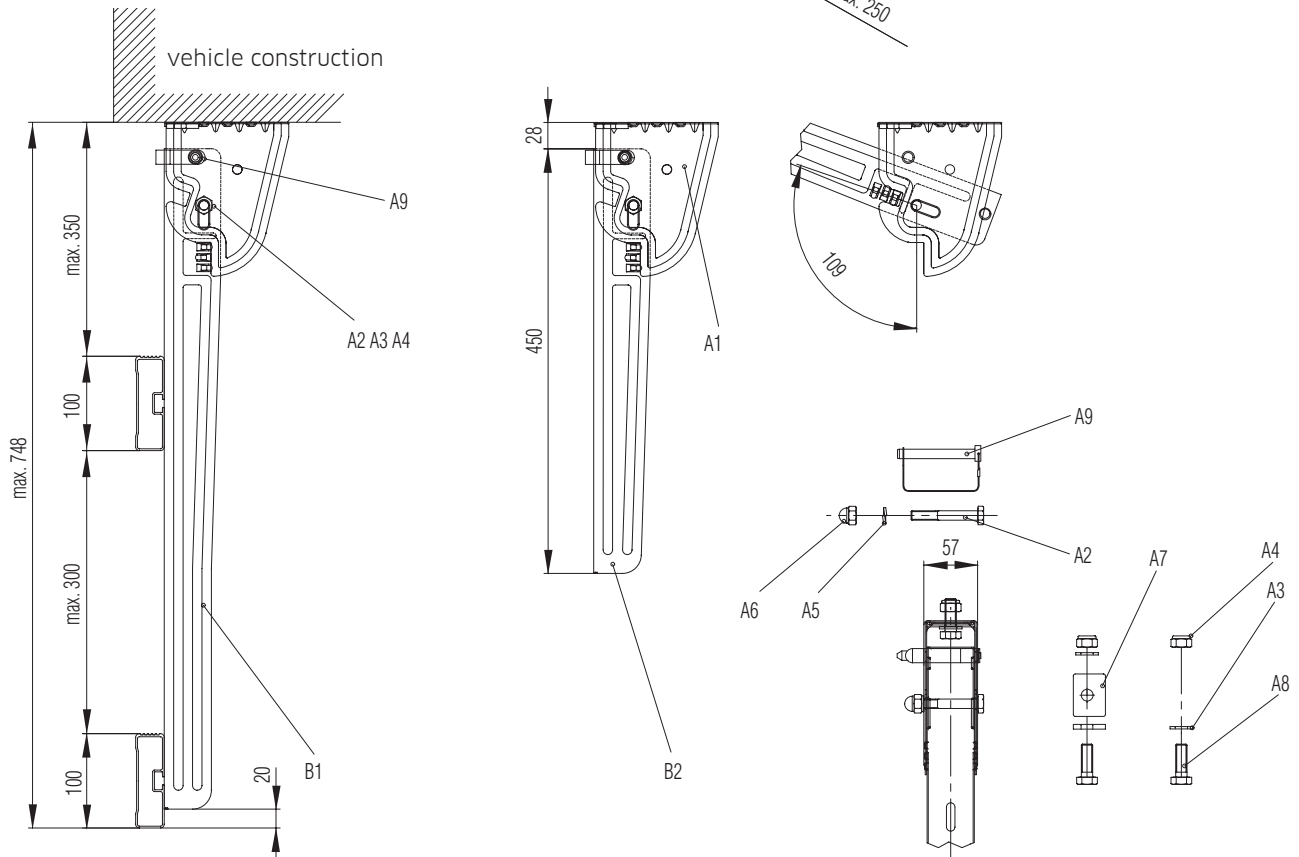


All technical specifications contained in this brochure are approximate and no guarantee is given as to their accuracy. Designs are subject to change.

SIDELINE Type VA – Stainless steel



Type VA



SIDELINE Type VA – Stainless steel

Side impact protection for commercial vehicles

- In acc. with Regulation ECE-R73
- ECE type approval number E1 73R-010105
- Type VA –stainless steel– mounting components

Design: Fixing kit on body, folding

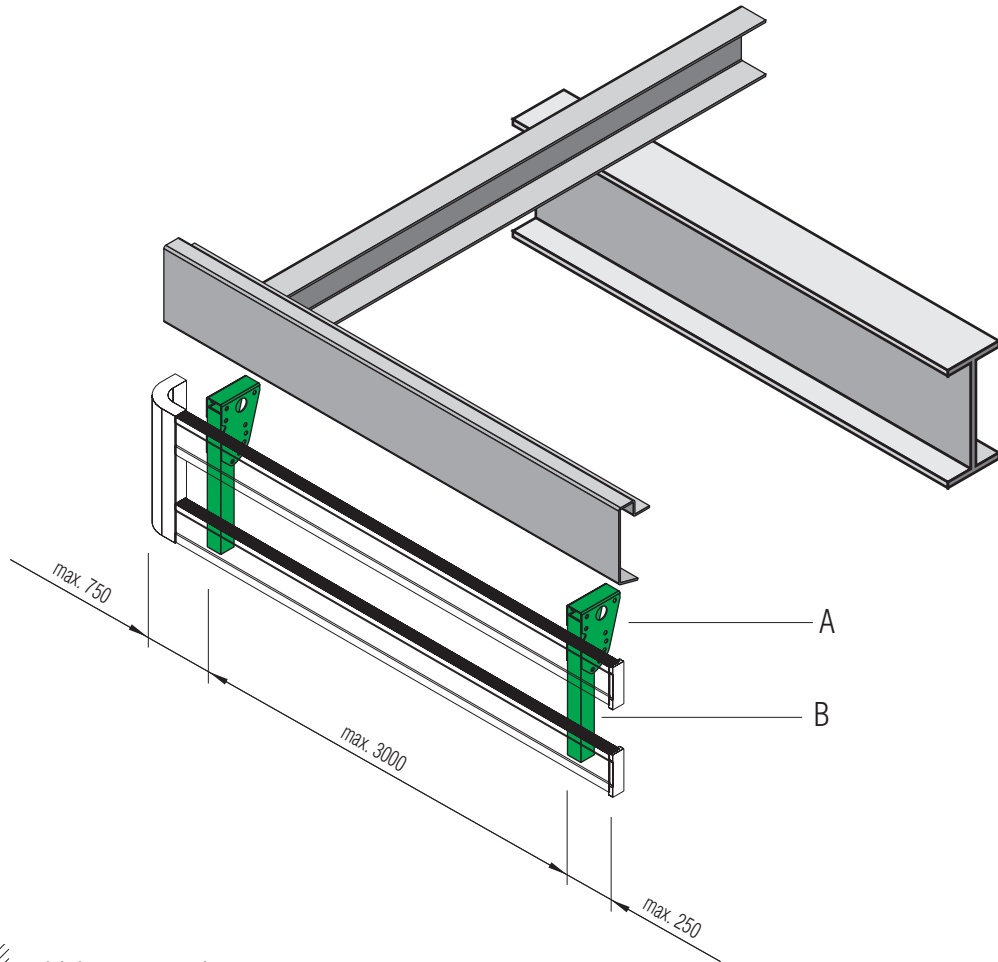
Complete equipment for 1 vehicle

Components		Description	Weight	Article No.
	[Piece]		[complete/kg]	
A	4	Assembly trestle, screwable	2.00	502 971 000
	4	Accessory bag for component A	1.04	502 978 000
B	4	U-profile vertical 700 mm	4.00	502 671 000
B	4	U-profile vertical 450 mm (alternative)	2.68	502 674 000

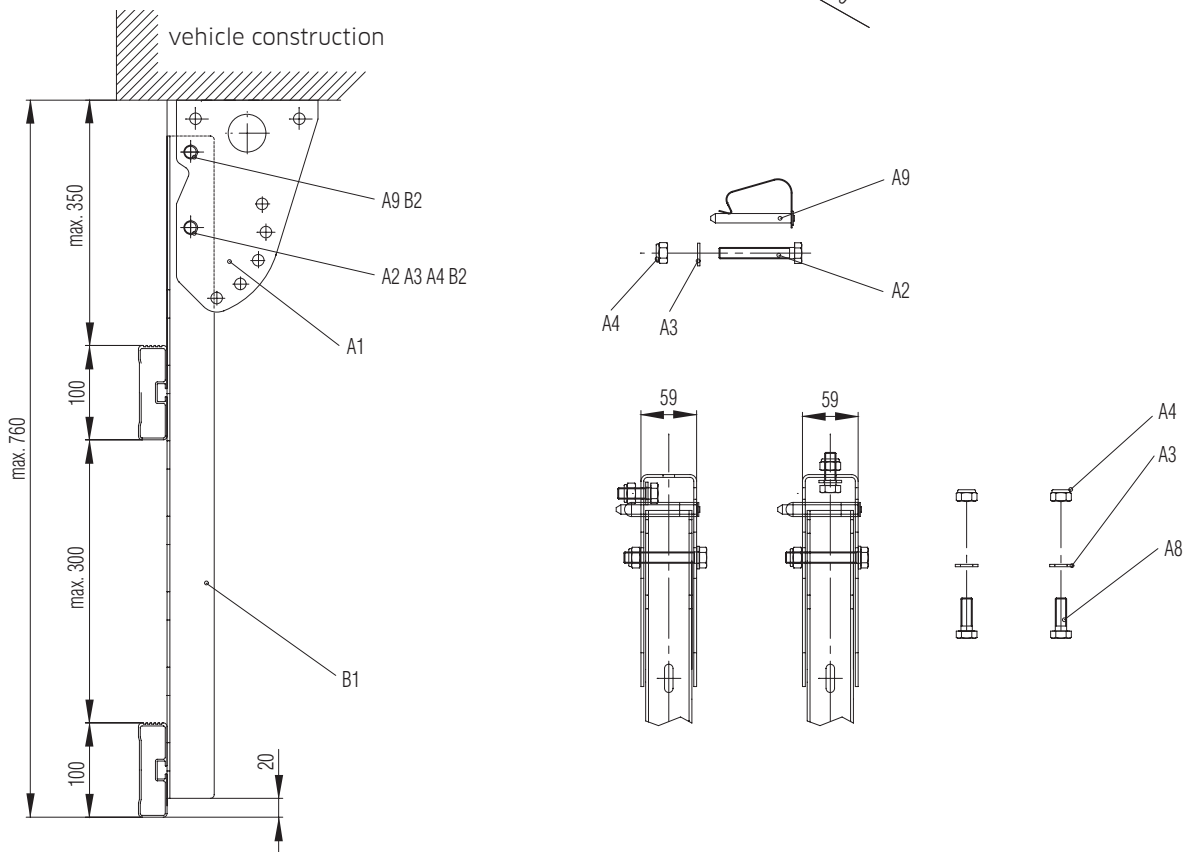
Items supplied and spare parts

Position		Description	Dimensions	Norm	Material	Article No.
	[Piece]		[mm]			
Reversing fixture and accessory bag (component A) Items supplied with each group of components						
A 1	1	Reversing fixture	1.5 / 57 / 130 / 163	-	Stainless steel	-
A 2	1	Hexagon screw	M 10 x 70	EN 24014	A 2 / 70	-
A 3	2	Washer	12	EN ISO 7090	A 2	-
A 4	2	Locknut	M 12	EN ISO 10511	A 2 / 70	-
A 5	1	Lock washer	10	DIN 127	A 2 / 70	-
A 6	1	Cap nut	M 10	DIN 1587	A 2 / 70	-
A 7	1	Plate	-	-	dacromet-coated	-
A 8	2	Hexagon screw	M 12 x 35	EN 24017	A 2 / 70	-
A 9	1	Spring plug bolt	10 x 70	-	galvanized	502 617 000
U-profile (component B) Items supplied with each group of components						
B 1	1	Grid profile 700 mm	1.2 / 50 / 60 / 700	-	Stainless steel	-
B 2	1	Grid profile 450 mm	1.2 / 50 / 60 / 450	-	Stainless steel	-

SIDELINE Type VA – Steel powder coated, black



Type VA



SIDELINE Type VA – Steel powder coated, black

Side impact protection for commercial vehicles

- In acc. with Regulation ECE-R73
- ECE type approval number E1 73R-010105
- Type VA -steel- mounting components

Design: Fixing kit on body, folding

Complete equipment for 1 vehicle

Compo- nents	[Piece]	Description	Weight [complete/kg]	Length [mm]	Article No. Steel, galvanized	Article No. Steel, hot dip galvanized	Article No. Steel, powder-coat. black
A	4	Reversing fixture	5.6	-	502 970 000	502 985 000	502 972 000
	4	Accessory bag for component A	1.4	-	502 979 000 ¹	502 979 000 ¹	502 979 000 ¹
B	4	U-profile vertical	4.0	300	-	502 986 000	-
	4	U-profile vertical	5.3	460	-	502 987 000	-
	4	U-profile vertical	7.5	620	-	502 988 000	-
	4	U-profile vertical	8.8	700	502 670 000	-	502 670 000
	4	Accessory bag for component B	-	-	502 679 000	-	502 679 000

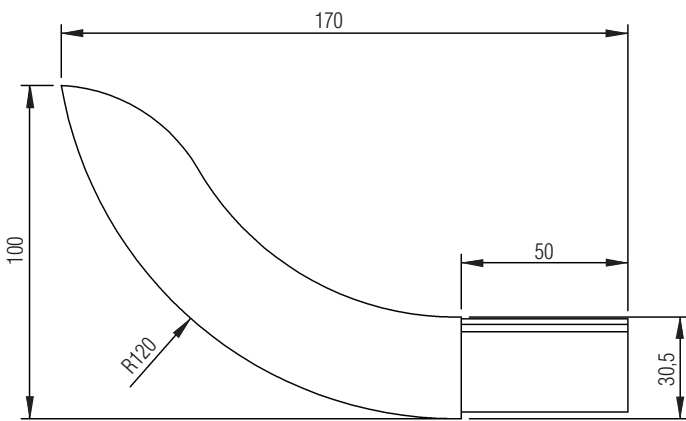
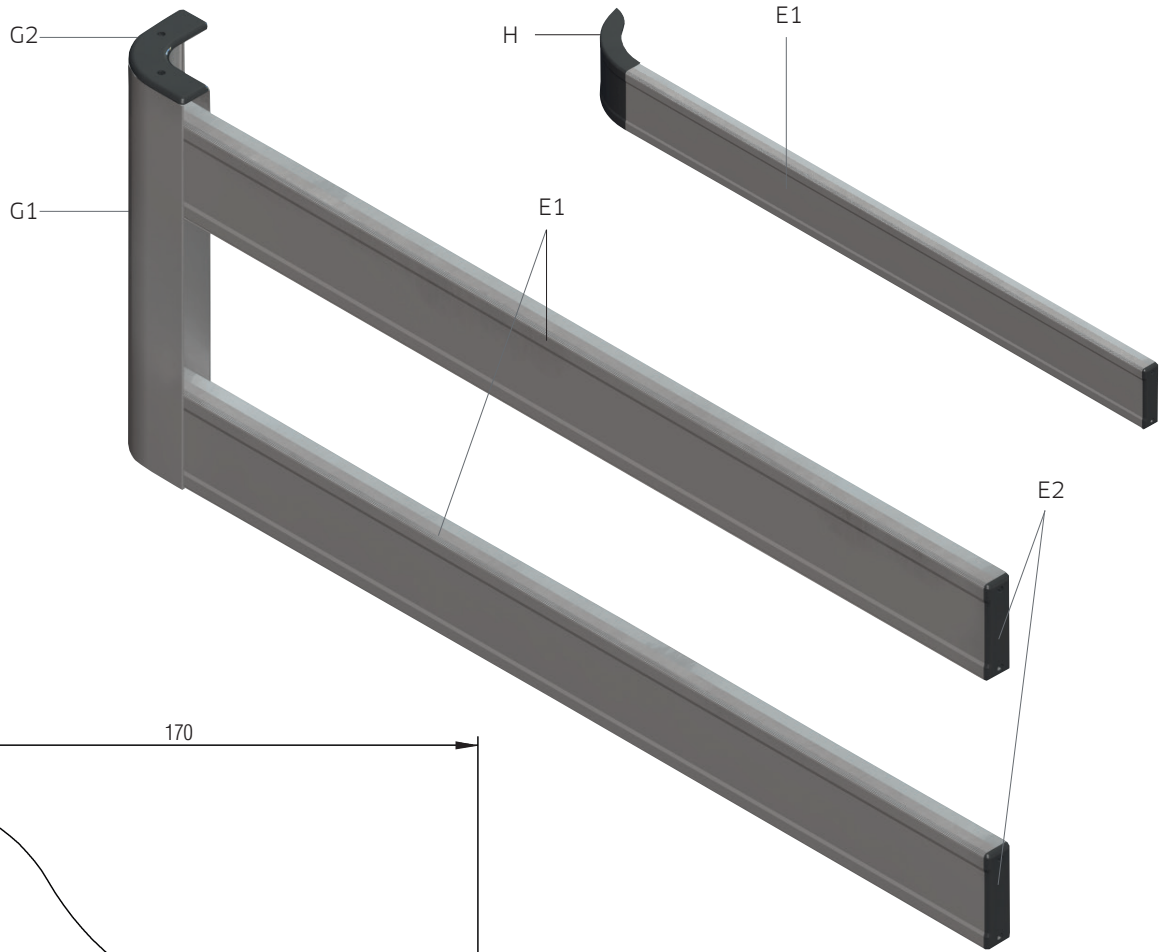
¹ galvanized to DIN EN ISO 2081, stress level 3, NSS 192 h

Items supplied and spare parts

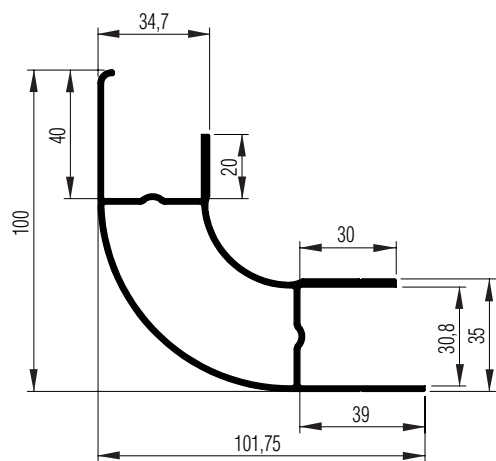
Position	[Piece]	Description	Dimensions [mm]	Norm	Material	Article No.
Reversing fixture and accessory bag (component A) Items supplied with each group of components						
A 1	1	Reversing fixture	Steel ¹	3 / 59 / 150 / 225	-	-
A 2	1	Hexagon screw	Steel 8.8. galvanized	M 12 x 80	EN ISO 4014	-
A 3	6	Washer	Steel, galvanized	13 x 24 x 2.5	EN ISO 7090	-
A 4	3	Locknut	Steel, galvanized	M 12	EN ISO 10511	-
A 8	2	Hexagon screw	Steel 8.8. galvanized	M 12 x 35	EN ISO 4017	-
A 9	1	Spring plug bolt	Steel, galvanized	12 x 90	-	502 615 000
U-profile and accessory bag (component B) Items supplied with each group of components						
B 1	1	Snap-in profile	Steel ¹	3 / 50 / 50 / 698	-	-
B 2	4	Flange socket	Plastic	-	-	502 638 000

¹ Steel galvanized / Steel powder-coated, black

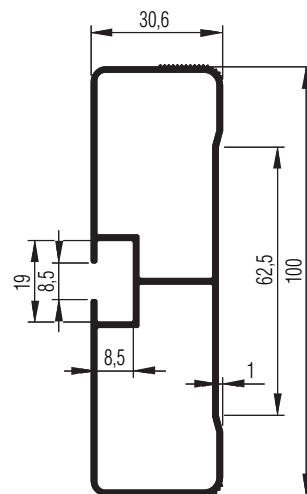
SIDELINE Rail components



518 565 001



518 659 000 - 671 000



518 603 000 - 625 000

All technical specifications contained in this brochure are approximate and no guarantee is given as to their accuracy. Designs are subject to change.

SIDELINE Rail components

Side-protection device for commercial vehicles

Rail components

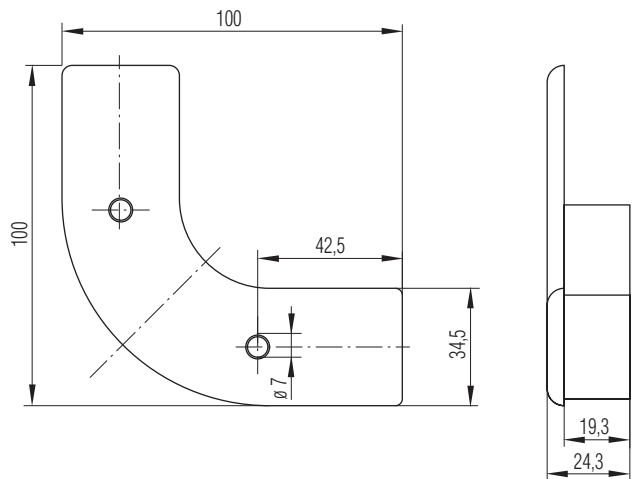
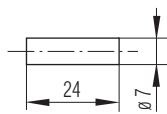
Profiles

Position	Description	Dimensions	Norm	Material	Weight	Article No. mill finish	Article No. silver anodized	Article No. black anodized	Article No.	
	[Piece]	[mm]			[kg/each]					
E 1	1	Rail section	3200	-	Aluminium	3.4	518 603 000	518 604 000	518 605 000	-
	1		3600	-	Aluminium	3.8	518 607 000	518 608 000	518 609 000	-
	1		4000	-	Aluminium	4.2	518 613 000	518 614 000	518 615 000	-
	1		5200	-	Aluminium	5.5	518 617 000	518 618 000	518 619 000	-
	1		6000	-	Aluminium	6.3	518 623 000	518 624 000	518 625 000	-
E 2	1	End caps	-	-	Plastic black	0.02	-	-	-	518 582 001
F	1	Fixing set	-	-	-	-	-	-	-	518 548 001
	1	- Screwed plate (E)	40 x 18 x 8	-	Steel, galvanized	-	-	-	-	518 546 000
	1	- Hexagon screw (E)	M 8 x 12	EN 24017	Steel, galvanized	-	-	-	-	-
	1	- Washer (E)	8.4 x 17 x 1.6	EN ISO 7090	Steel, galvanized	-	-	-	-	-
G 1	1	Radius profile	500	-	Aluminium	0.8	518 659 000	518 660 000	518 661 000	-
	1	Radius profile	5000	-	Aluminium	8.2	518 669 000	518 670 000	518 671 000	-
G 2	1	Cap	-	-	Plastic black	0.05	-	-	-	518 592 000
H	1	Radius section	-	-	Plastic black	0.3	-	-	-	518 565 001

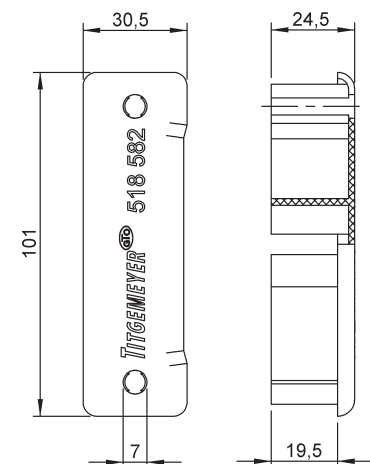
Spare part

Plastic pin for fixing end caps
518 582 001 and 518 592 000

Article No. 518 599 000

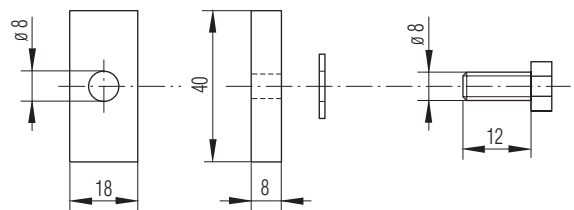


Cap 518 592 000



End cap 518 582 001

Fixing set (Pos. F)
Article No. 518 548 001



SIDELINE Installation instructions

Side impact protection

- For Class N2, N3, O3 and O4 vehicles
- Installation instructions approved to Regulation ECE-R73
- ECE type approval number E1 73R-010105

Special approvals may be given for:

- Semitrailer trucks, trucks for the transport of long, indecomposable goods (for example timber trucks and special trucks, concrete trucks), as well as vehicles which a protective side guard cannot be built on for practical reasons.

The protective side guard may consist of a continuous, plane surface, plank profiles or a combination of the two. The external surfaces have to be even, stable on the most essential parts, firmly installed at the vehicle, and consist of metal or other appropriate material. Under usual conditions vibration etc. should not influence the well-seating of the protective side moulding on the vehicle.

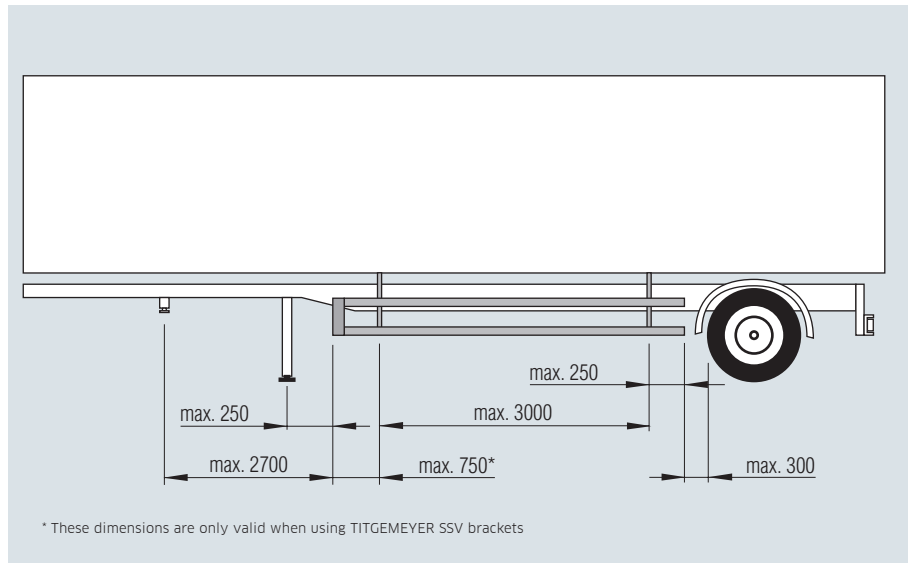
Add-on parts of the vehicle, like fuel and air tanks and tool cases, can be integrated as part of the protective side guard, provided their dimensions and characteristics comply with the above mentioned recommendations. It is not allowed to fix brake, air and hydraulic lines on the protective side guard.

The installation should meet the following requirements:

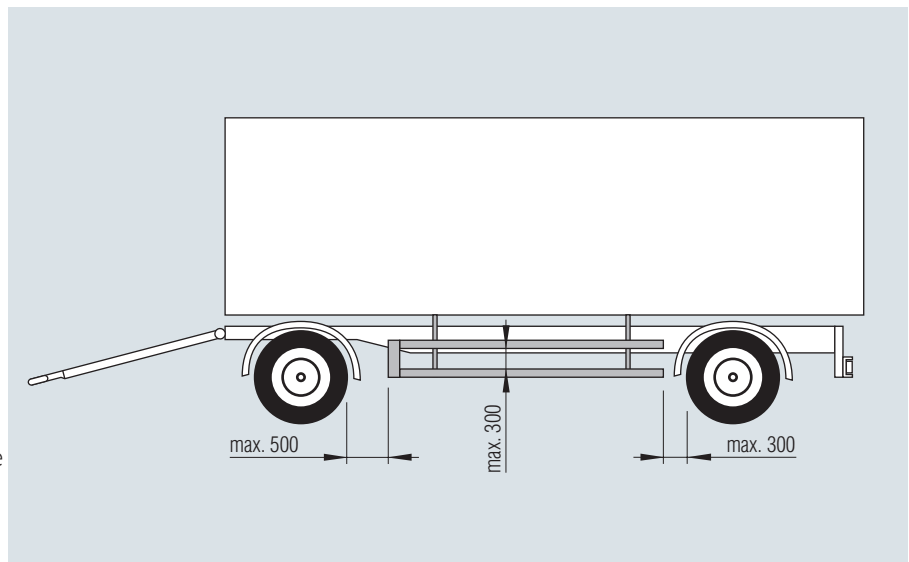
1. The protective side guard must not pass over the outline of a vehicle.
2. The distance of the lower flange of the deflector elements to the road surface should be max. 550 mm.
3. The s.g.f. being installed inside of the outline of the vehicle, the distance between the surface of the deflector profile and the outline of the vehicle must not exceed 120 mm.
4. The protective side guard extends over the area between the front and the rear axle of a vehicle. It begins max. 300 mm behind the front tyre profile and ends max. 300 mm in front of the rear tyre profile.
5. If the distance of 300 mm to the front tyre profile incorporates a part of the driver's cabin, the corner profile should begin directly behind it. An additional space of 100 mm is only permitted for tilt or elastic mounted cabins. If the width of the driver's cabin exceeds the outline of the superstructure resp. the surface of the protective side moulding, the protective side guard should be directed to the inside in an angle of 45°.
6. If the corner profile begins at a position which would usually be open space, and if the protective side guard consists of more than one profile, they have to be closed in the front area by vertical profiles of at least 100 mm thickness to the inside.
7. The surface of the deflector profiles must principally be even, but they may have for example reinforcing flanges and be interrupted by fasteners like screws or rivets which should not jut out more than 10 mm.
8. If the protective side guard consists of more than one longitudinal profiles, there should not be more than 25 mm space between these elements. Overlappings, if necessary, should be made in driving direction.
9. Any elements of the protective side guard directing to the outside have to be smoothed-off by at least R2,5.
10. The protective side guard may consist of several deflector profiles mounted one below the other. Following minimum heights are required for the different vehicle classes:
 - N2 and O3: 50 mm
 - N3 and O4: 100 mm
11. The deflector profiles have to be fixed well-seated. Hinged or detachable elements are allowed as far as they meet the requirements of stability.
12. The protective side guard guarantees a max. deflexion of 150 mm at a test load of 1000 N. On the last 250 mm the deflection should be less than 30 mm. The test load has to be applied by a stamp of 210 to 230 mm diameter.

SIDELINE Installation instructions

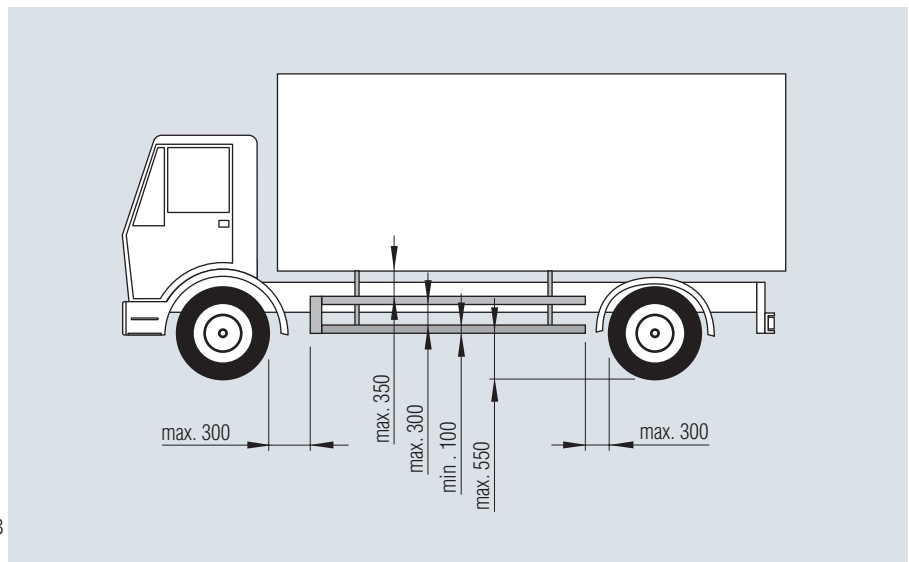
Instructions for the installation of the protective side guard on vehicle classes O3 and O4 (trailers and semi trailers of more than 3.5 t up to 10 t gross weight rating or of more than 10 t gross weight rating).



Instructions for the installation of the protective side guard on vehicle classes O3 and O4 (trailers and saddle trailers of more than 3.5 t up to 10 t gross weight rating or of more than 10 t gross weight rating).



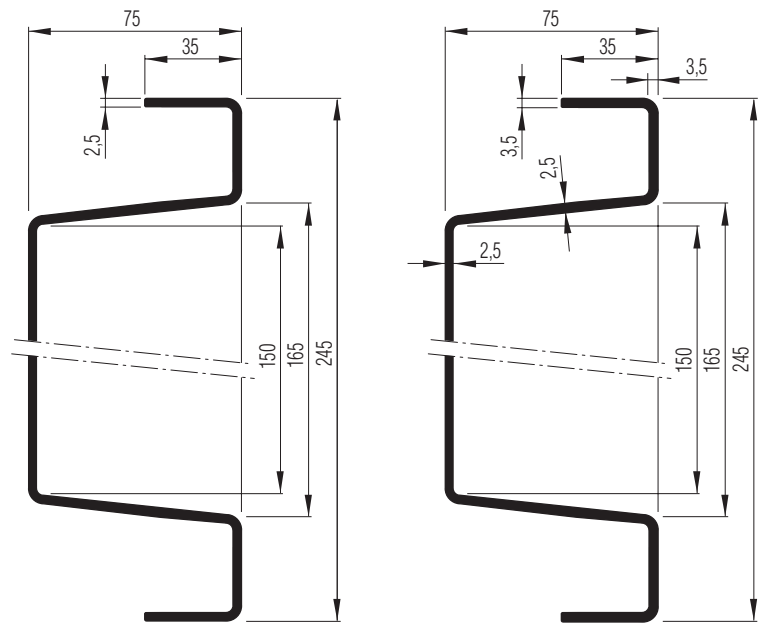
Instructions for the installation of the protective side guard on vehicle classes N2 (trucks of more than 3.5 t up to 12 t gross weight rating) and N3 (more than 12 t gross weight rating).



Lighting support

SL lighting support

– for light commercial vehicles



502 508 000

502 550 000

SL lighting support

Description	Length [mm]	Material	Surface	Weight [kg/each]	Article No.
Support	2400	Steel	sendzimir galvanised	20.4	502 508 000
	2400	EN AW 6063 T66 (AlMg 0.7 Si)	anodized E6/EV1	8.0	502 550 000

End caps for SL lighting support, complete with fasteners



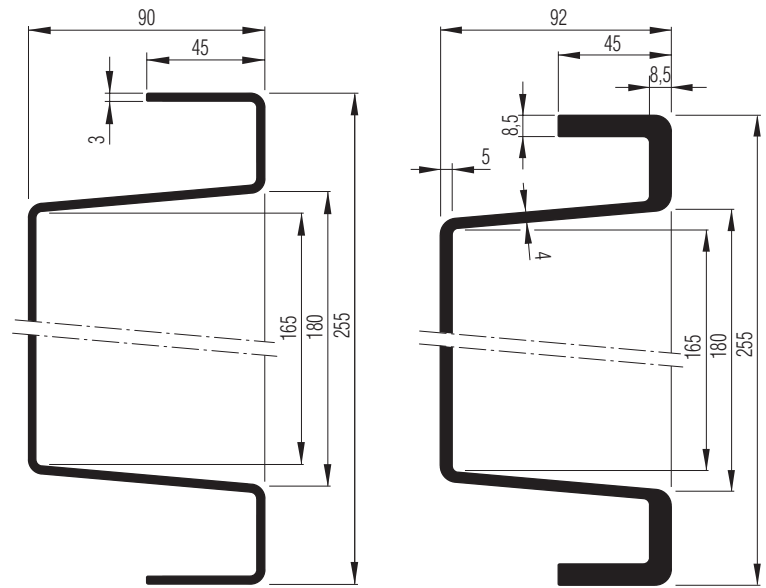
502 516 000

Description	Length [mm]	Colour	Weight [kg/each]	Article No.
without sidelight	PUR hard foam	black	0.49	502 512 000
with sidelight	PUR hard foam	black	0.48	502 516 000

Lighting support

Lighting support heavy

– for all commercial vehicles



502 454 000

502 552 000

Lighting support heavy

Description	Length [mm]	Material	Surfacen	Weight [kg/each]	Article No.
Support	2300	S355MC (QStE380 TM)	galvanised	26.67	502 454 000
		EN AW 6063 T66 (AlMg 0,7 Si)	anodized E6/EV1	17.00	502 552 000

End caps for lighting support heavy, complete with fasteners



502 467 000

Description	Material	Colour	Weight [kg/each]	Article No.
without sidelight	PUR hard foam	black	0.40	502 463 000
with sidelight	PUR hard foam	black	0.38	502 467 000

Underrun protection device with hole pattern

GETO® Fender ECE-type underrun protection system with hole pattern for EasyConn lighting and wiring system

- Self-installation of lighting and wiring system
- The surface treatment is applied after the holes have been drilled

Items supplied: Underrun protection system



GETO® Fender ECE-type underrun protection system - with hole pattern -


Description	Material	Finish	Weight [kg/each]	Article No.
Underrun protection, steel	High-strength steel	Final powder coat in white RAL 9010 ¹	44.0	505 686 235

¹ Other RAL colours available on request

Underrun protection system accessories

Description	Length [mm]	Material	Finish	Weight [kg/each]	Article No.
Bracket (see page 28)	625	S 355 MC	KTL-coated, black	9.9	505 520 625

The hole pattern on the underrun is suitable for fitting all of the rear lamps and mounting brackets shown.

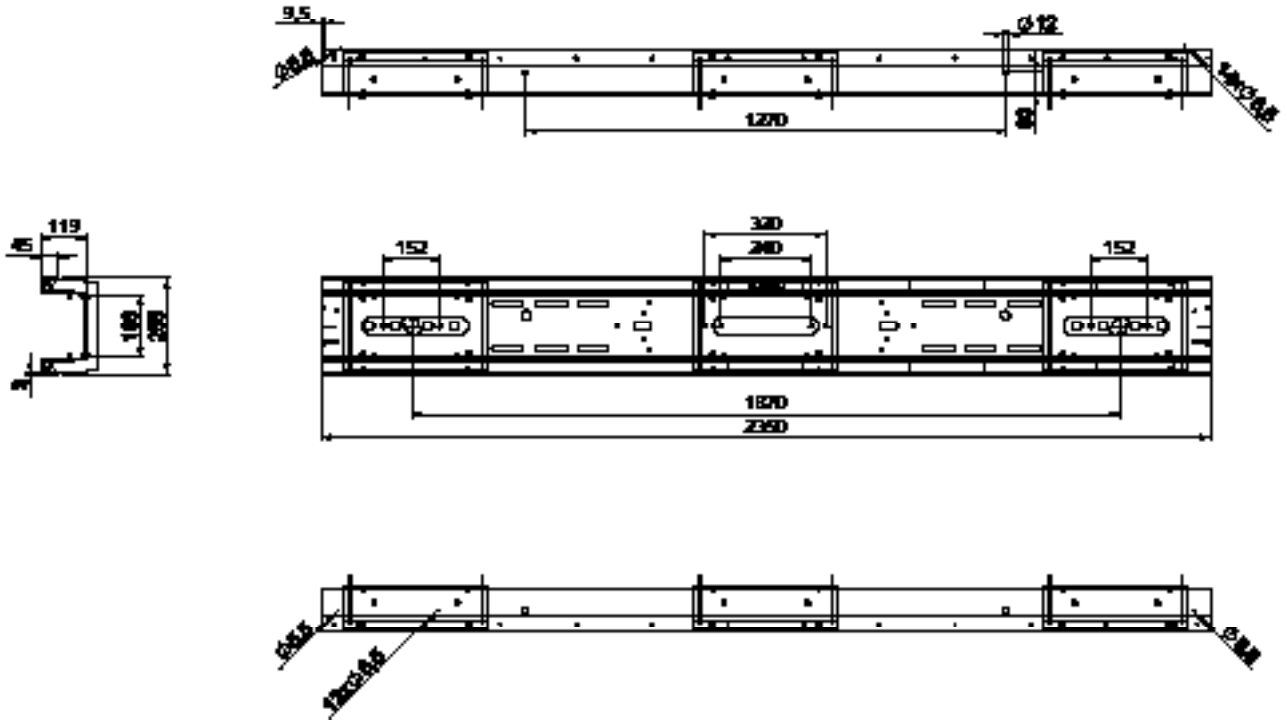
Type approval sign  **58R03/02 0738** pursuant to Regulation ECE-R 58R03

The underrun protection surface finish is applied after the holes have been drilled.

² The type approval sign applies only to the device as a whole (i.e. the support with brackets).

Underrun protection device with hole pattern

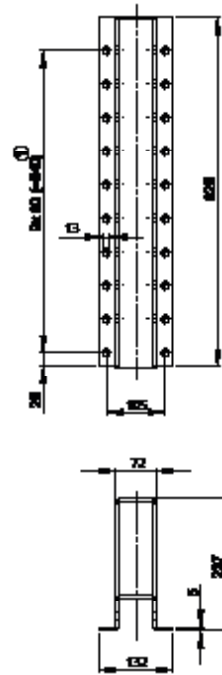
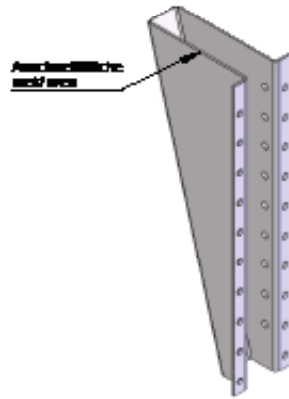
Hole pattern for underrun protection system



Underrun components

Brackets for underrun protection system

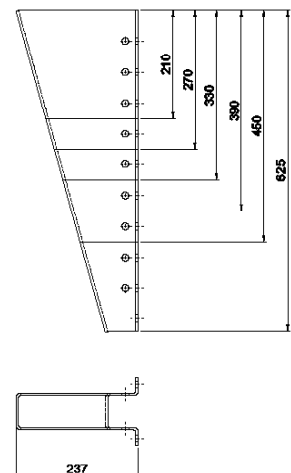
Brackets for attaching the chassis to the underrun protection system



GETO® Fender ECE-type underrun protection system - with hole pattern -

Description	Length [mm]	Material	Finish	Weight [kg/each]	Article No.
Bracket	625	S 355 MC	KTL-coated, black	9.9	505 520 625

¹ Other finishes available on request



Underrun components

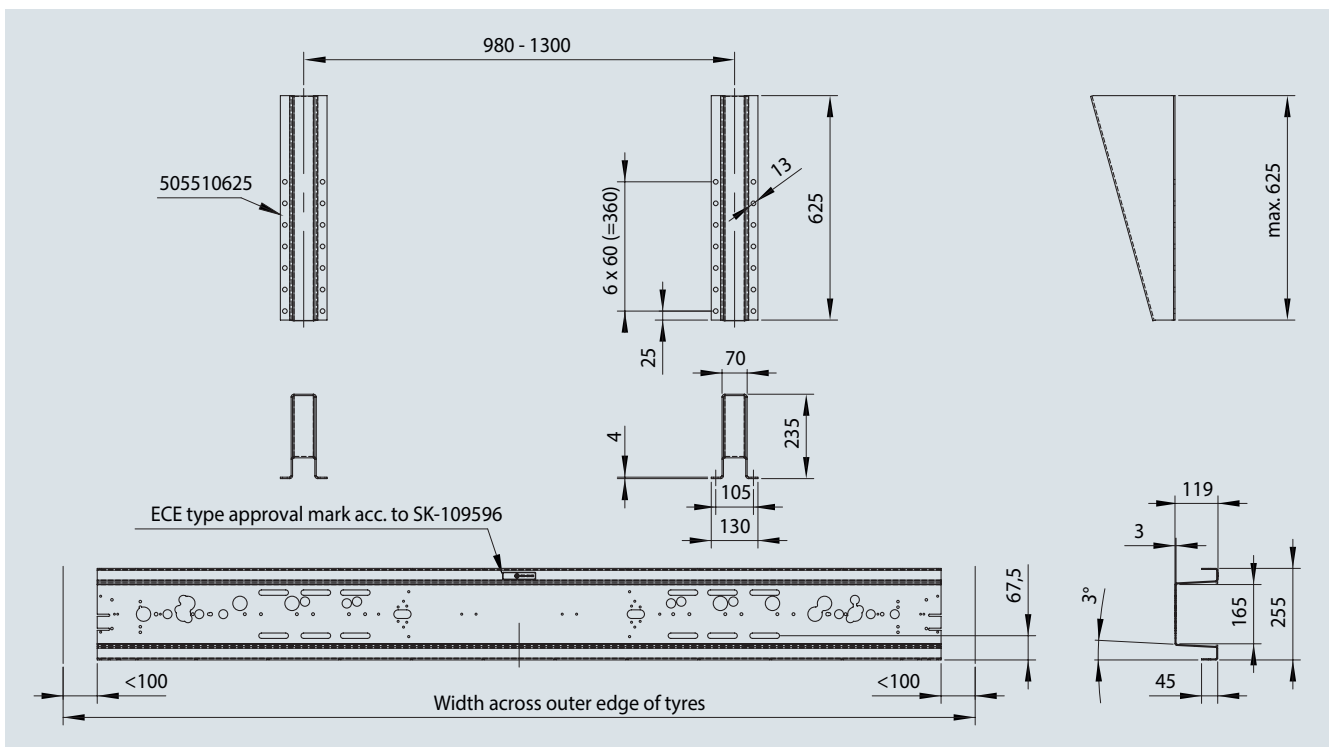
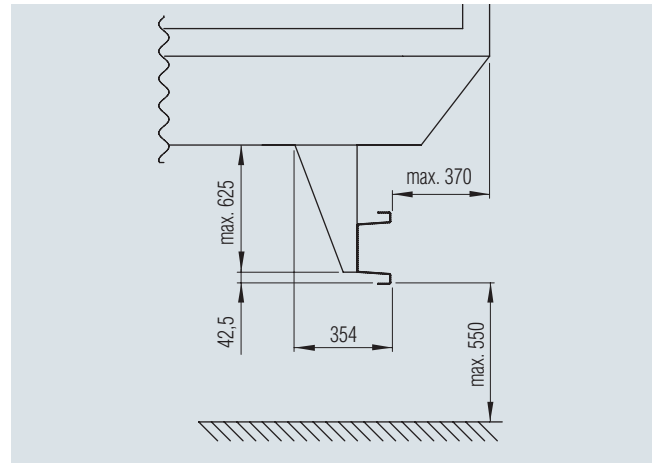
Brackets for underrun protection system

Hole pattern for underrun protection system

TITGEMEYER rear underrun protection devices are tested and approved as free-standing technical items in accordance with Regulation ECE-R 58 for vehicles with a total mass (total weight) of up to 60 tonnes. Corresponding type approval marks have been issued by the KBA (German motor transport authority).

We will be pleased to provide copies of the expert reports on request. Each device consists of one support, two brackets and two support end-caps. The supports carry the mark of approval in the form of a self-adhesive sign covered with protective film.

The type approval sign applies only to the device as a whole - i.e. the support with brackets!



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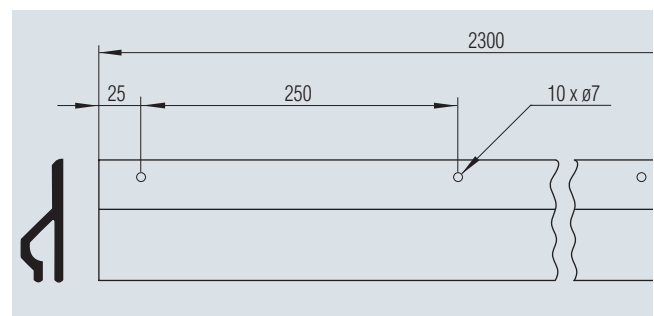
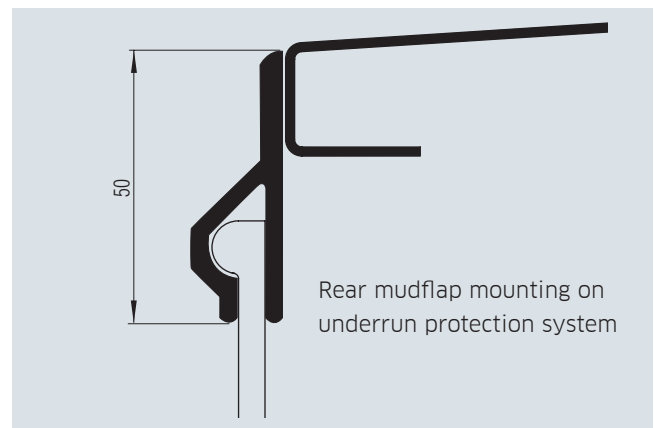
Underrun components

Rear mudflaps for underrun protection system



Rear mudflap for underrun protection system

- The rear mudflap is made of a synthetic material that does not distort and remains flexible
- The outer surface is dirt repelling and can withstand high pressure cleaning
- Your logo can be added on request
- How to install the underrun protection system:
Insert the mounting frame with rear mud flap and screw or rivet to the lower rail of the steel underrun protection system



Rear mudflap for underrun protection system

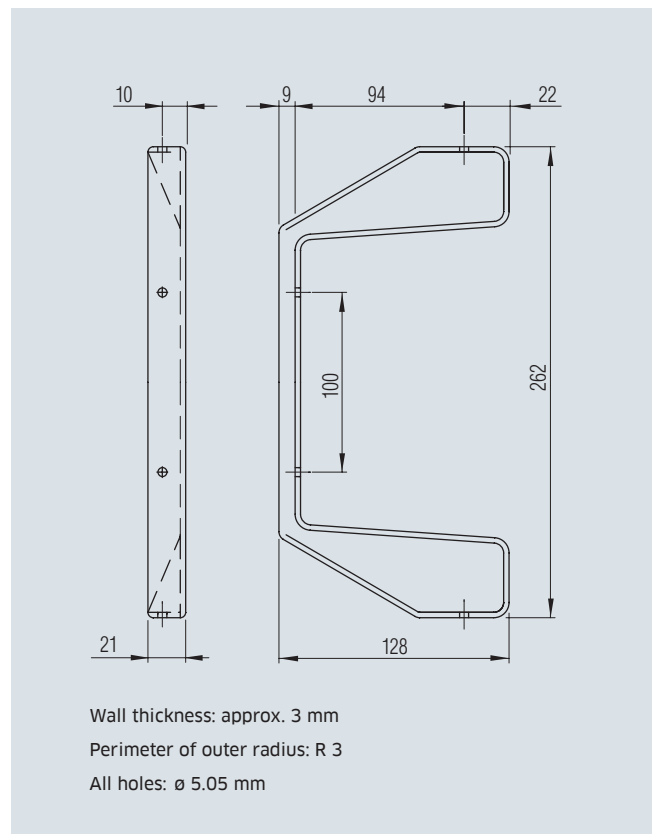
Description	Length x height [mm]	Material	Finish	Weight [kg/each]	Article No.
Rear mudflap, neutral	2300 x 380	Plastic	Black	3.5	602 060 000
Rear mudflap with traffic signs	2300 x 380	Plastic	Black	3.5	602 070 000
Mounting rail	2300 x 50	Plastic	Black	0.5	602 075 230

Underrun components

End caps for underrun protection system

End cap for underrun protection system

Items supplied:	One end cap (Article No. 505 201 001), packed in a polythene bag, fastener elements included, four TIFAS expanding shank rivets, \varnothing 5 mm, shank length 8.5 mm (see page 32, Article No. 409 554)
Material and colour:	Plastic end cap, PA 6, black TIFAS expanding shank rivets PA 6.6 A 3 K, black
Weight:	approx. 0.11 kg/each
Article No.:	505 203 000



Single components for compressed air braking systems

Compressed air tank, fabricated from steel sheets, with brackets

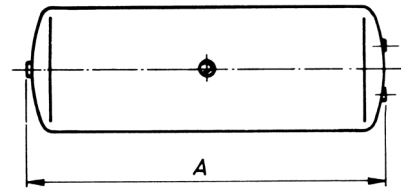
- Made in compliance with EN286-2 and CE-tested
- The interior and exterior of all tanks are powder-coated
- Standard exterior colour RAL9005

Working pressure: 12.5 bar

Calculated pressure: M 22 x 1.5

Temperature range: -50° / +100°C

Material: Steel, primed



Content [l]	ø [mm]	A [mm]	Type	Weight [kg]	Article No.
5	206	215	SPA 1000	4.0	182 920 002
10	206	370	SPA 1001	5.0	182 922 002
15	206	530	SPA 1002	7.0	182 923 002
20	206	690	SPA 1003	8.0	182 924 002
	246	500	SPA 1004	8.0	182 925 002
30	246	720	SPA 1005	10.0	182 928 002
40	276	760	SPA 1008	13.0	182 932 002
	246	940	SPA 1007	13.0	182 933 002
	310	620	SPA 1009	15.0	182 934 002
60	246	1352	SPA 1010	19.0	182 943 002
	276	1110	SPA 1011	18.0	182 935 002
	310	895	SPA 1012	18.0	182 936 002
	396	580	SPA 1013	19.0	182 937 002
80	396	750	SPA 1014	23.0	182 941 002
100	396	915	SPA 1015	28.0	182 948 002

Single components for compressed air braking systems

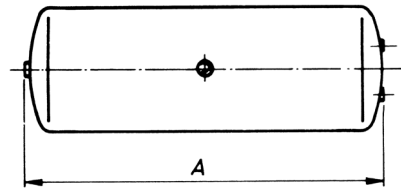
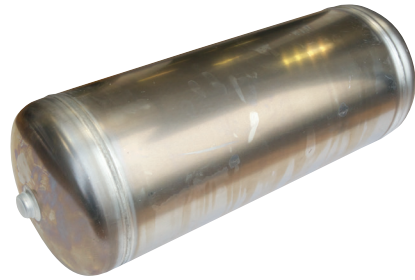
Compressed air tank made of aluminium

For compressed air braking systems according to standard 87/404/EEC with 4 screw necks M 22 x 1.5

Working pressure: to 246 mm ø - 14 bar
to 310 mm ø - 12 bar
to 396 mm ø - 10 bar

Temperature range: -40° / +65°C

Material: Aluminium, raw



Content [l]	ø [mm]	A [mm]	Weight [kg]	Article No.
10	206	375	2.4	182 949 002
15	206	538	3.1	-
20	206	700	4.1	182 950 002
	246	510	3.7	-
	296	371	3.5	-
30	246	720	4.9	182 952 001 ¹
	276	591	4.5	-
40	246	945	6.2	-
	276	766	5.8	182 953 002
	310	629	5.5	-
60	276	1111	8.2	-
	310	907	7.7	182 956 001
	396	590	8.3	182 957 001
80	396	748	8.6	182 958 002
100	396	913	10.2	182 959 002

¹ Working pressure 12.5 bar

Compressed air tank made of sheet steel

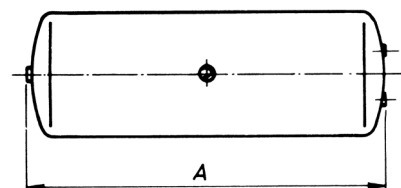
- Made in compliance with EN286-2 and CE-tested
- The interior and exterior of all tanks are powder-coated
- Standard exterior colour RAL9005

Working pressure: 12.5 bar

Calculated pressure: M 22 x 1.5

Temperature range: -50° / +100°C

Material: Steel, primed



Content [l]	ø [mm]	A [mm]	B1 [mm]	Type	Weight [kg]	Article No.
40	276	760	168	168	14.5	182 906 003
60	276	1110	168	168	19.5	182 909 003
	310	895	185	185	19.0	182 910 003
	396	580	228	228	22.0	182 911 003
80	396	750	228	228	26.0	182 912 003
100	396	915	228	228	31.0	182 914 003

¹ Top edge holder to middle boiler

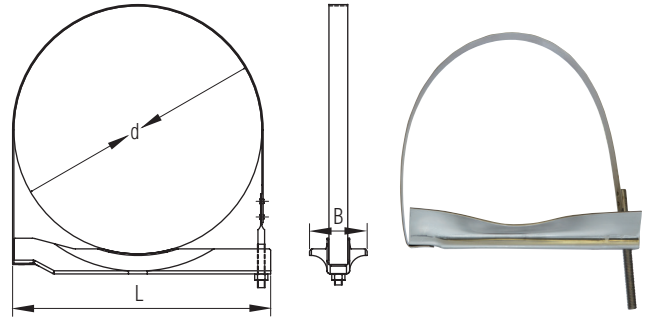
Single components for compressed air braking systems

Tightening straps with consoles, one piece

For the fixing of air tanks used for compressed air braking systems in utility vehicles

Material: Stainless steel

d ø [mm]	L [mm]	B [mm]	Weight approx. [kg/each]	Article No.
206	225	82	0.95	183 016 000
246	265	82	1.05	183 017 000
276	295	82	1.15	183 018 000
310	330	82	1.25	183 019 000
396	410	82	183 020 000	

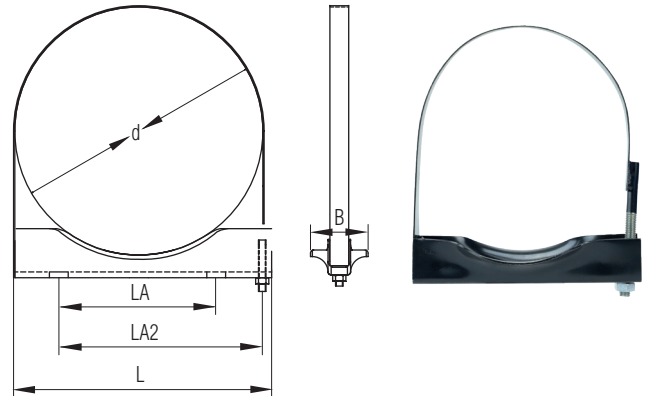


One piece tightening straps with consoles, one piece

For the fixing of air tanks used for compressed air braking systems in utility vehicles

Material: Steel, primed

d ø [mm]	L [mm]	LA [mm]	LA2 [mm]	B [mm]	Weight approx. [kg/each]	Article No.
206	225	124	165	96	0.95	183 011 000
246	265	164	205	96	1.03	183 013 000
276	295	195	235	96	1.15	183 012 000
310	330	225	270	96	1.25	183 014 000
396	410	305	350	96	1.65	183 015 000

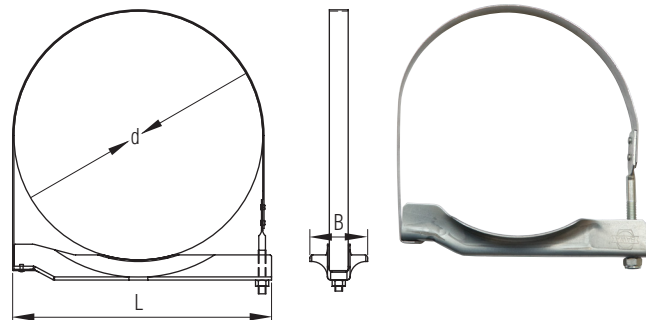


Tightening straps and consoles, two piece

For the fixing of air tanks used for compressed air braking systems in utility vehicles








Material: Steel, galvanized

d ø [mm]	L [mm]	B [mm]	Weight approx. [kg/each]	Article No.
206	225	82	0.79	183 011 010
246	265	82	0.95	183 013 010
276	295	82	1.03	183 012 010
310	330	82	1.15	183 014 010
396	410	82	1.42	183 015 020



Blocks and mountings

Blocks and mountings - Overview

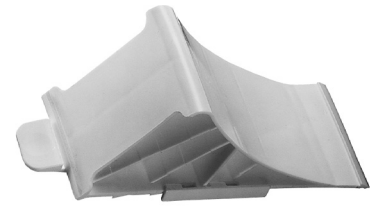
Blocks	Article No.	Mountings plastic		Mountings steel	
	184 602 000		184 606 000		184 852 000
	-		-		-
	-		184 606 000		184 852 000
	184 647 000				184 654 000
	184 648 110	-	-	184 657 000	184 655 000
	184 648 210	-	-	184 657 000	184 655 000
	184 650 000	-	-	-	184 654 020
	184 651 000	-	-	-	184 655 020
	184 652 000	-	-	-	184 656 020
	184 653 120	-	-	184 658 000	184 656 000
	184 653 220	-	-	184 658 000	184 656 000

Detailed information can be found on the following pages.

Blocks and mountings

Plastic block

- For trailers, caravans etc.
- TÜV approved.
- For a wheel radius up to a maximum of 295 mm

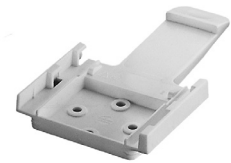


Material: 184 602 - PE
 184 605 - PA
 184 606 - PE

Wheel load max. [kg]	Axle load max. [kg]	Length [mm]	Width [mm]	Height [mm]	Hole distance [mm]	ø [mm]	Weight approx. [kg/each]	Article No. white
Block								
800	1600	224	90	100	-	-	0.22	184 602 000
Mounting support								
		167	95	20	40 x 40	6.0	0.04	184 606 000

Mounting supports for blocks

Mounting: 4 holes
 Material: Plastic, black or white



Matching blocks

Mounting colour	Length [mm]	Width [mm]	Height [mm]	Hole distance [mm]	ø [mm]	Weight approx. [kg/each]	Fittingly block		Article No. schwarz
							white	black	
white	167	95	20	40 x 40	6,0	0.04	184 602 000	-	184 606 000

Blocks and mountings

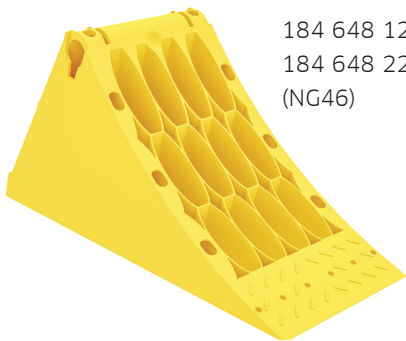
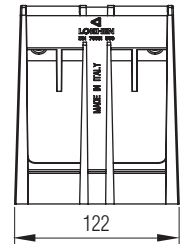
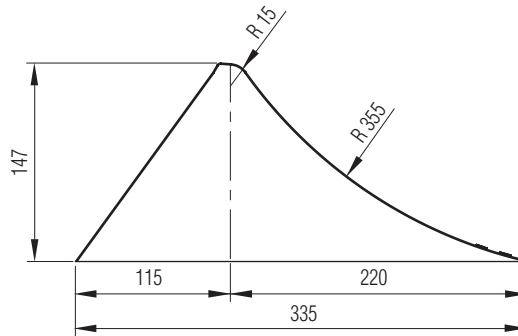
Plastic blocks (chocks)

For commercial vehicles and trailers, tested in acc. with DIN 76051.

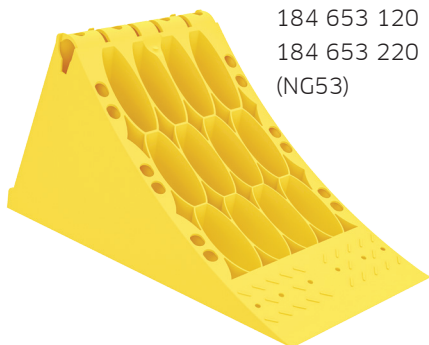
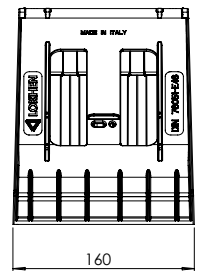
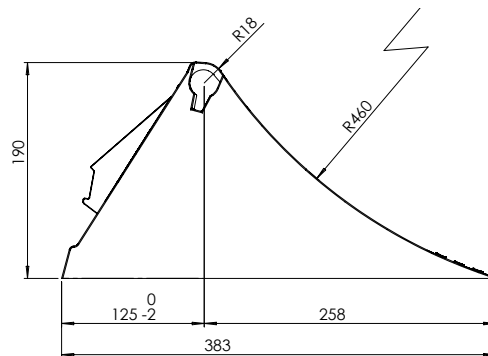
Material: plastic, yellow



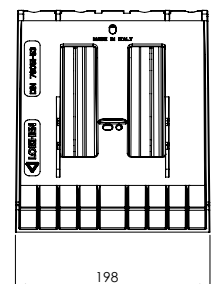
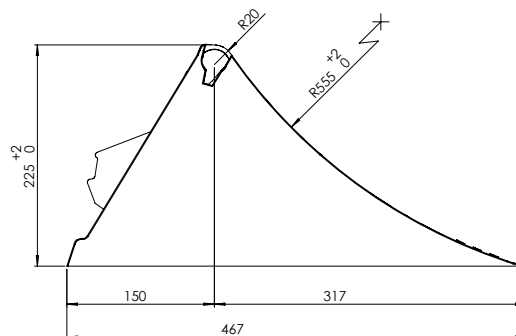
184 647 000
(NG36)



184 648 120
184 648 220
(NG46)



184 653 120
184 653 220
(NG53)



Plastic block - Technical data

Nominal size	Length	Width	Height	Radius	Antiskid	Weight approx.	Article No.	Mounting support	Block
	[mm]	[mm]	[mm]	[mm]		[kg/each]			
G36	335	122	147	355	-	0.43	184 654 020	-	184 647 000
G46	383	160	193	460	-	0.71	184 655 020	184 657 000	184 648 120
G46	383	160	193	460	X	0.83	184 655 020	184 657 000	184 648 220
E53	467	198	225	555	-	1.17	184 656 020	184 658 000	184 653 120
E53	467	198	225	555	X	1.32	184 656 020	184 658 000	184 653 220

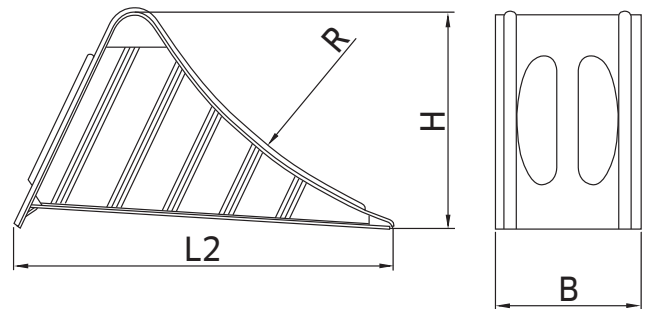
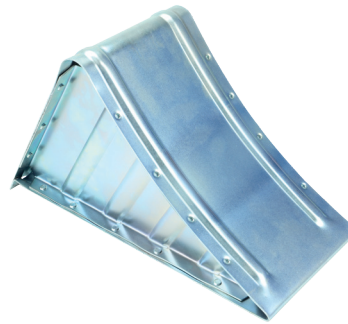
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Blocks and mountings

Blocks (chocks)

- For commercial vehicles and trailers, tested in acc. with DIN 7605 (Issue 11/92)
- With stiffening ribs, smooth rear wall, integrated handle, spring-loaded brackets

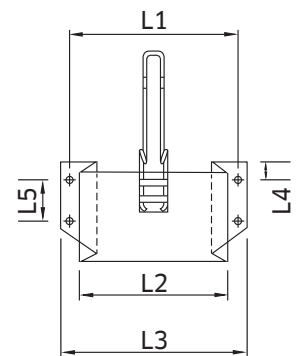
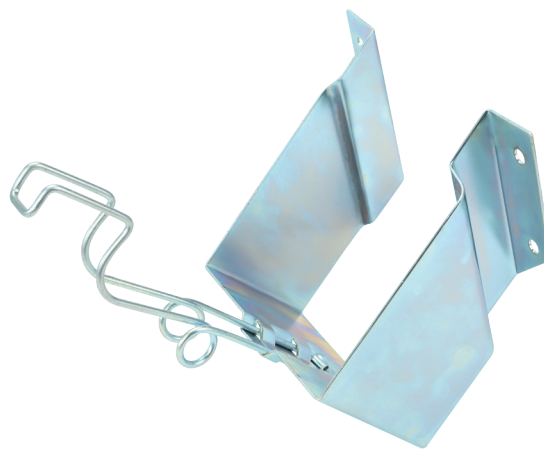
Material: Steel, galvanized



Nominal size	L	B	H	R	Static loaded radius	Wheel load	Weight approx.	Article No.			
								Mounting support	Fitting block		
									Steel	Plastic	
	[mm]	[mm]	[mm]	[mm]	[mm]	[kg/each]	[kg/each]	without anti-skid	with anti-skid		
36	315	120	160	350	360	1600	1.6	184 654 020	184 650 020	184 647 000	-
46	360	160	200	480	460	5000	2.5	184 655 020	184 651 020	184 648 120	184 648 220
53	465	200	230	550	530	6500	3.9	184 656 020	184 652 020	184 653 120	184 653 220

Mounting supports for blocks

Material: Steel, galvanized



Nominal size	L1	L2	L3	L5	Hole diameter	Weight approx.	Article No.
	[mm]	[mm]	[mm]	[mm]			
36	142	124	176	40	9.0	0.32	184 654 020 *
46	178	165	215	60	9.0	0.44	184 655 020
53	224	208	258	80	11.0	0.91	184 656 020

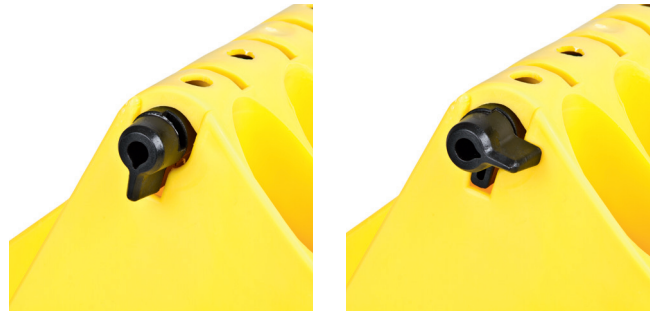
* with cranked spring without winding

Blocks and mountings

Plastic bracket for plastic blocks

- Suitable for all plastic chocks on page 50.07.02.3
- Enables a plastic block to be mounted quickly and easily to the chassis and affixed to the frame using an M 16 screw with a max. torque of 25 Nm; with integrated turn lock and anti-turn locking device to ensure the perfect lock

Material: plastic, black



Matching blocks

Nominal size	Clearance width	Length	Diameter	Weight approx. [kg/each]	Fitting block		Article No. Mounting support
	L1 [mm]	L [mm]	B [mm]		without anti-skid	with anti-skid	
46	155	215	55	0.16	184 648 120	184 648 220	184 657 000
53	198	258	55	0.18	184 653 120	184 653 220	184 658 000

Tipper bridge bearings

“POLYP” tipper bridge bearings

- Elastic tipper bridge bearing for double and triple sided tipper trailers, tipper trucks and all types of rear tippers
- Installing the “POLYP” safety gear gives the tipping body an elastic support
- The “POLYP” safety gear can also be used to hold the mechanism down and prevents the tipping body from bouncing up and down especially during empty tours on bad or uneven roads
- Depending on the size of the vehicle, between 2 and 4 “POLYP” tipper bridge bearings will be needed

Material:	Rubber impact shield All other parts made of untreated steel
Weight:	207 566 000 - approx. 1.0 kg/each 207 567 000 - approx. 1.1 kg/each 207 568 000 - approx. 0.8 kg/each
Article No.	207 566 000 - Elastic impact shield with hollow screw 207 567 000 - Cone-shaped bearing shell with tapered pin 207 568 000 - Lower bearing shell



207 567 000

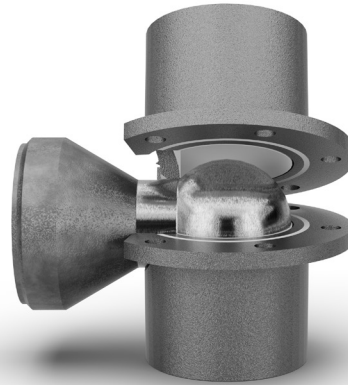


207 566 000
207 568 000

Pivot ball bearings - Weld assembly

Pivot ball bearings

- For rear-tipping tipper trucks, rear-tipping tipper trailers rear-tipping semi-trailers up to a maximum weight of 36 t
- Includes sturdy, drop-forged ball as well as upper/lower pivot bearing sections with bolted-in Durethane shell – the ideal pivot bearing for all types of reverse tipper
- Thanks to the bolted-in Durethane shell, the pivot ball bearing runs wear-free throughout its long service life
- The tight-fitting screw fastener on the pivot ball bearing prevents all forms of dirt particles getting through



Description	Weight approx. [kg/each]	Article No.
Type 5000, 80 mm bearing for max. weight of 24 t		
Welded-on ball ø 80 mm, round pin ø 106 mm	5.98	207 473 000
Pivot ball bearing 80 mm, complete	6.07	207 494 001
Supplied loose for use as spare parts:	0.10	207 480 000
Replaceable plastic insert (Durethane) for 80 mm bearing		
Type 6000, 100 mm bearing for max. weight of 36 t		
Welded-on ball ø 100 mm, round pin ø 120 mm	9.8	207 485 000
Pivot ball bearing 100 mm, complete	10.2	207 495 001
Supplied loose for use as spare parts:	0.2	207 493 000
Replaceable plastic insert (Durethane) for 100 mm bearing		

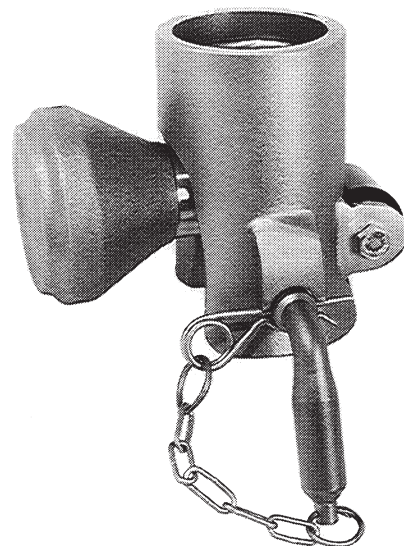
Pivot ball bearings

For agricultural tippers, tipper trucks, tipper trailers, tipper semi-trailers up to a maximum weight of 36 t

Outstanding benefits

- Built-in noise damping
- Easy installation
- Logical, maintenance-free design
- Drop-forged component
- Robust, cost-effective design based on high-quality materials
- Wear-resistant bearing materials
- Weight advantages incorporated into the design
- Max. tipping angle of up to 50°

For a detailed overview and article numbers, please see next page.

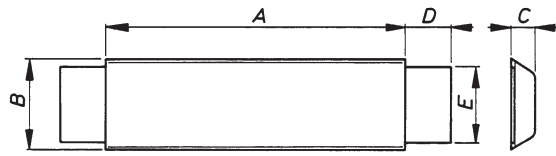


Pivot ball bearings

Description	Weight approx. [kg/each]	Article No.
Type 1000, ball ø 45 mm, up to 8 t total weight for agricultural vehicles and lightweight tipper mechanisms		
Welded-on ball ø 45 mm, round pin ø 45 mm	0.96	207 450 000
Pivot bearing with replaceable plastic insert, left	0.64	207 451 000
Pivot bearing with replaceable plastic insert, right	0.64	207 452 000
Locking pin with chain and cotter pin, ø 16 mm, smooth	0.31	207 453 000
Supplied loose for use as spare parts:		
Replaceable plastic insert (Durethane) for 45 mm bearing	-	207 454 000
Type 2000, ball ø 60 mm, up to 12 t total weight for tipper trucks and tipper trailers		
Welded-on ball ø 60 mm, round pin ø 65 mm	2.19	207 456 000
Welded-on ball ø 60 mm, rectangular pin ø 81 mm	2.19	207 457 000
Pivot ball bearing ø 60 mm, with replaceable plastic insert, with noise damping, hole 19/19 mm, left	1.79	207 462 000
Pivot ball bearing ø 60 mm, with replaceable plastic insert, with noise damping, hole 19/19 mm, right	1.79	207 463 000
Pivot ball bearing ø 60 mm, with replaceable plastic insert, with noise damping, hole 20/18 mm	1.82	207 465 000
Locking pin with chain and cotter pin, shaft ø 19 mm, smooth	0.50	207 466 000
Locking pin with chain and cotter pin, shaft ø 20/18 mm, offset	0.52	207 467 000
Supplied loose for use as spare parts		
Replaceable plastic insert (Durethane) for 60 mm bearing	0.10	207 468 000
Noise-damping roller (Vulkollan), 50 x 20 x 18 mm	0.10	207 469 000
Type 3000, ball ø 80 mm, up to 24 t total weight for tipper trucks, tipper trailers and tipper semi-trailers		
Welded-on ball ø 80 mm, pin ø 106 mm	5.98	207 473 000
Pivot ball bearing ø 80 mm, with replaceable plastic insert, with noise damping, hole 24/24 mm, left	3.88	207 474 000
Pivot ball bearing ø 80 mm, with replaceable plastic insert, with noise damping, hole 24/24 mm, right	3.88	207 475 000
Pivot ball bearing ø 80 mm, with replaceable plastic insert, with noise damping, hole 25/22 mm	3.85	207 477 000
Locking pin with chain and cotter pin, shaft ø 24 mm, smooth	0.87	207 478 000
Locking pin with chain and cotter pin, shaft ø 25/22 mm, offset	0.88	207 479 000
Supplied loose for use as spare parts		
Replaceable plastic insert (Durethane) for 80 mm bearing	0.10	207 480 000
Noise-damping roller (Vulkollan), 50 x 42 x 18 mm	0.10	207 481 000
Type 4000, ball ø 100 mm, up to 36 t total weight for tipper trucks, tipper trailers and tipper semi-trailers		
Welded-on ball ø 100 mm, pin ø 120 mm	9.80	207 485 000
Pivot ball bearing ø 100 mm, with replaceable plastic insert, with noise damping, hole 30/30 mm	6.72	207 486 000
Pivot ball bearing ø 100 mm, with replaceable plastic insert, with noise damping, hole 30/30 mm	6.72	207 487 000
Locking pin with chain and cotter pin, shaft ø 30 mm, smooth	1.40	207 491 000
Supplied loose for use as spare parts		
Replaceable plastic insert (Durethane) for 100 mm bearing	0.20	207 493 000
Noise-damping roller (Vulkollan), 50 x 42 x 18 mm	0.10	207 481 000

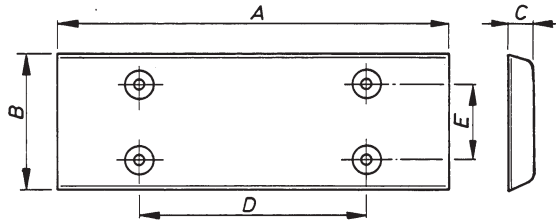
Tipper support

Weld-on plastic rail for tippers



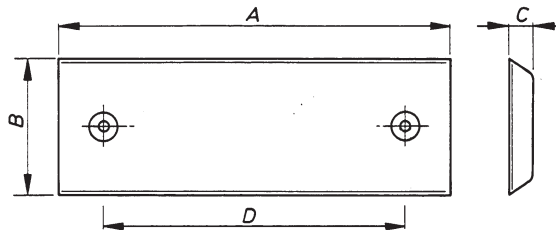
A	B	C	D	E	Weight approx.	Article No.
[mm]	[mm]	[mm]	[mm]	[mm]	[kg/each]	
200	65	13	35	45	0.361	207 580 000

Bolt-on, metal-reinforced tipper supports



A	B	C	D	E	Hole	Weight approx.	Article No.	
[mm]	[mm]	[mm]	[mm]	[mm]	Quantity	[kg/each]		
					[mm]			
					ø			
					[mm]			
260	70	20	150	35	4	7	0.607	207 570 000
	90	10	150	50	4	8	0.534	207 571 000
	90	20	150	50	4	9	0.800	207 572 000
600	90	25	500	50	4	9	2.038	207 574 000

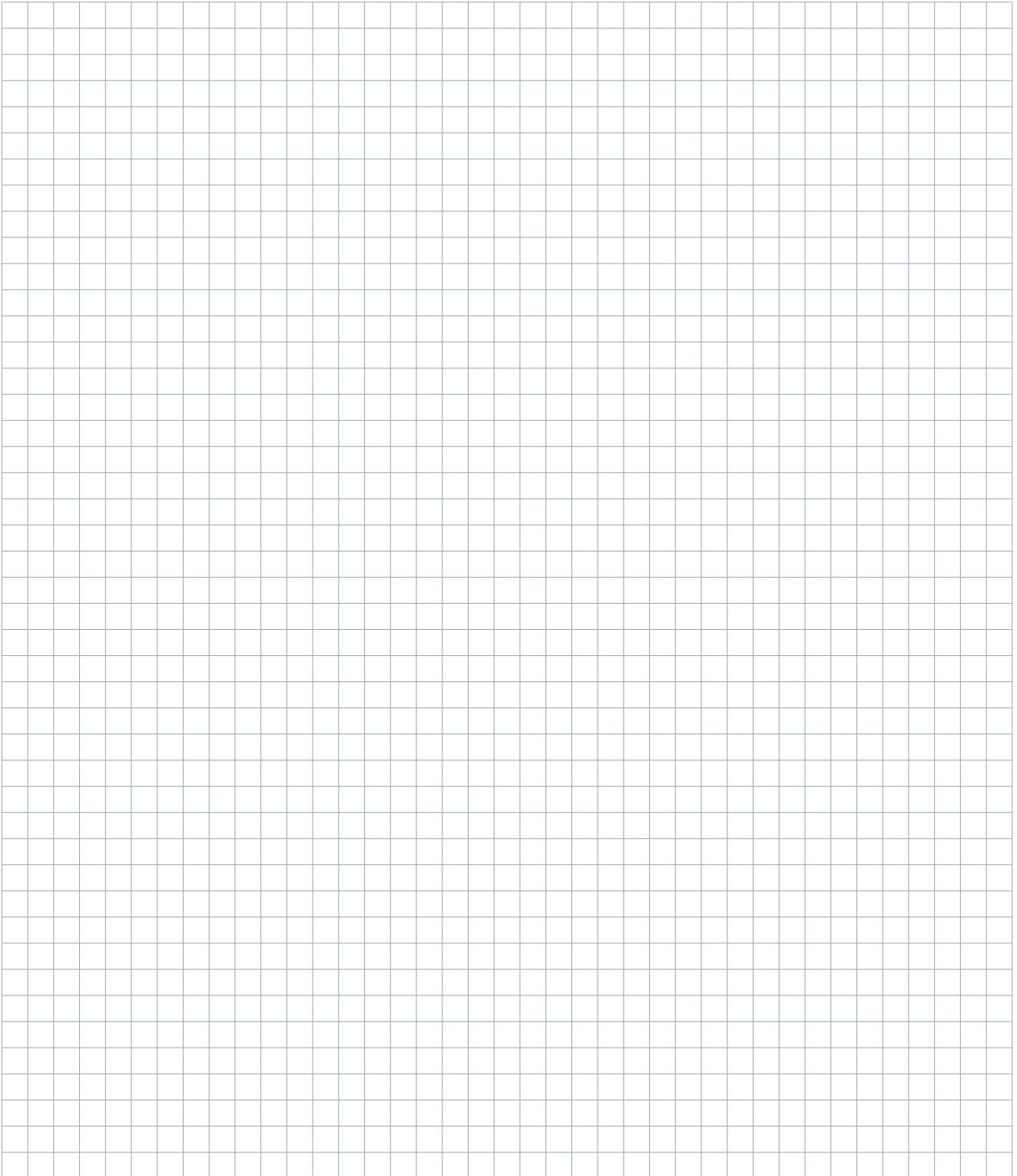
Bolt-on, metal-reinforced tipper supports



A	B	C	D	Hole	Weight approx.	Article No.	
[mm]	[mm]	[mm]	[mm]	Quantity	[kg/each]		
				[mm]			
				ø			
				[mm]			
140	50	17	95	2	7	0.207	207 583 000

All technical specifications contained in this brochure are approximate and no guarantee is given as to their accuracy. Designs are subject to change.

Notes



Notes

A large grid of graph paper for taking notes, consisting of 20 columns and 30 rows of small squares.

All technical specifications contained in this brochure are approximate and no guarantee is given as to their accuracy. Designs are subject to change.

About us

The Titgemeyer Group is a leading company for fastening technology and vehicle components at 15 locations in Europe.

The traditional company develops, manufactures and sells more than 30,000 fastening elements, tools and vehicle components – in series production and on request.

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