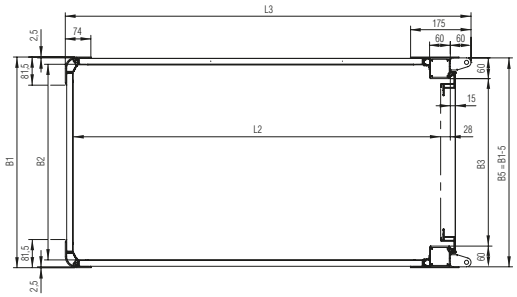
WIHAG

WIHAG®City body kit

A high-performance solution for
Sprinter Class vehicles

800 900
kg
Der
LEICHTESTE
seiner Art!

Table of contents



04

WIHAG®City – the ideal body kit

11

Dimensions

Overview & fittings

WIHAG®City body kits Overview
Page 8

WIHAG®City body kits Fittings
Page 9

Dimensions

Dimensions for „Sandwich“, "Lite" and „Ultra“
Page 10

Dimensions for clamped Aluminium
Page 12

Dimensions for side door
Page 14

Dimensions for side flap
Page 15

Subframe dimensions

Subframe dimensions with and without adapter profile
Page 16

WIHAG®City

the ideal body kit for Sprinter Class vehicles

Thanks to its innovative design, low weight and assembly principle, the WIHAG®City body kit is sure to impress: by using state-of-the-art bonding technology, the design ensures certified quality together with an elegant appearance. Standard kits are available with either clamped aluminium, sandwich, Lite or Ultra panels. An anti-slip and smooth self-supporting base can also be ordered as an optional extra.
The external appearance of the WIHAG®City is very impressive: Free of any rivets or bolts, the walls and doors have smooth surfaces. The complete body kit is supplied powder-coated in MB 9147 (arctic white). The flush edges of the side walls, bulkhead and cantrails, as well as the concealed seals in the corner posts and cantrails, all enhance the kit's attractive appearance.

Flexible and variable – ideal for courier and parcel delivery services

WIHAG®City class offers extra flexibility, thanks to the possibility of integrating doors and flaps in the side walls depending on the intended usage. This also makes the design suitable for all manner of sales and advertising vehicles. The components can be positioned flexibly and adapted, to a large extent, to existing individual dimensions.

The side doors, which are designed to ensure trouble-free loading and unloading, can be supplied either with standard hinges or a continuous door hinge. They can also be fitted with a sliding bar lock. The WIHAG®City range is also available with an optional tail-lift sealing profile with integrated profile for the tail-lift
mechanism.

Quick and easy installation

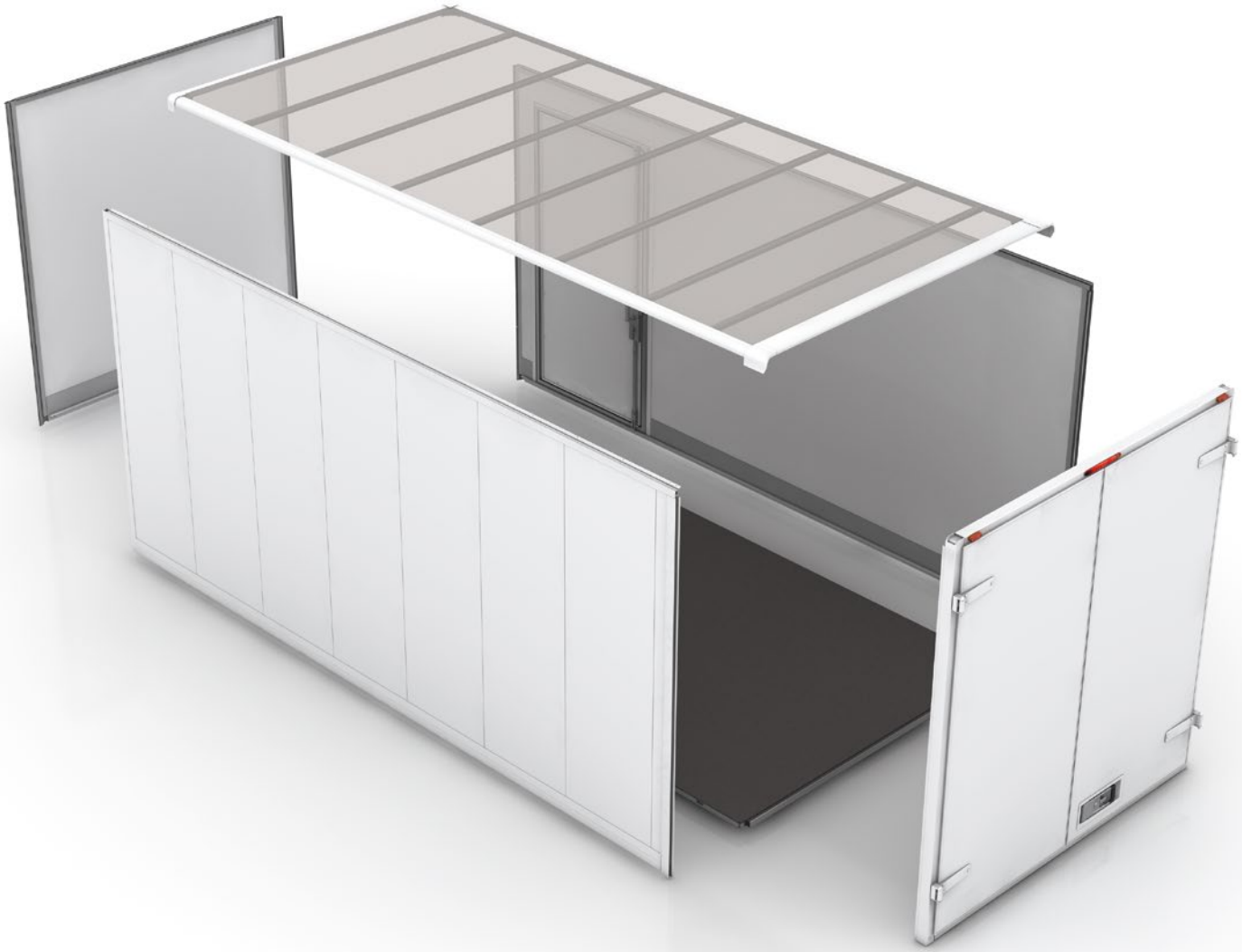
Assembly of the body kit only requires mechanical fastening inside the body. All assembly holes are provided. There is no need to seal the individual components:
only the front and rear corner castings need to be bonded by the bodybuilder. Cargo control pans and tracks are already installed, exactly where you need them.

Rear options

Doors
— Aluminium, double-leaf, with recessed lock (Stainless steel handle plate)

Tail-lift flap
— Aluminium; gas springs included

Brake light
— Third LED brake light (supplied loose)



Roof

Roof frame
— Aluminium cantrail
— Aluminium cross-member
— Roof skin is GRP (translucent) or aluminium (bonded), additionally secured using a clip system

Roof fittings
— Ceiling lights (supplied loose)

Sandwich roof 30 mm
— Aluminium cantrail

Roof fittings
— Ceiling light fitting

Rear door frame

— Aluminium corner posts and top member
— Width of corner post 60 mm
— Bottom members always 70 mm high; floor recess 18 mm, 21mm and for self-supporting base
— Bottom member made of galvanised steel; optionally available in stainless steel

Bulkhead and side wall
— Available in aluminium, sandwich, Lite and Ultra panels
— Integrated kick strip in the wall

Fittings
— Cargo control pans and tracks
— Internal cladding: 6 mm plywood (only for standard aluminium); internal cladding coated with phenolic resin (only for standard aluminium)
— Doors and flaps in side wall

Overview

WIHAG®City body kit – Overview

	WIHAG®City Sandwich	WIHAG®City Lite	WIHAG®City Ultra	WIHAG®City Aluminium
2 side walls				
Material	GRP sandwich panel	GRP sandwich panel	GRP sandwich panel	Aluminium
Wall thickness (mm)	25	25	14 | 17	28
Side rave flange height (mm)	50	50	50	50
Aluminium kick strip (mm) Fitted on the inside	approx. 125	approx. 125	approx. 125	approx. 125
Powder-coated surface	compl. MB 9147 (arctic white) or RAL 9010	compl. MB 9147 (arctic white) or RAL 9010	compl. MB 9147 (arctic white) or RAL 9010	compl. MB 9147 (arctic white) or RAL 9010
Surface	smooth	smooth	smooth	Clamped
Post spacing (mm)	—	—	—	600
Material used for posts	—	—	—	Steel
1 bulkhead				
Material	GRP sandwich panel	GRP sandwich panel	GRP sandwich panel	Aluminium
Wall thickness (mm)	25	25	17	28
Side rave height (mm)	50	50	50	50
Steel kick strip (mm) Fitted on the inside	approx. 125	approx. 125	approx. 125	approx. 125
Powder-coated surface	compl. MB 9147 (arctic white) or RAL 9010	compl. MB 9147 (arctic white) or RAL 9010	compl. MB 9147 (arctic white) or RAL 9010	compl. MB 9147 (arctic white) or RAL 9010
Surface	smooth	smooth	smooth	Clamped
Post spacing (mm)	—	—	—	600
Material used for posts	—	—	—	Steel
1 roof				
Design	One-piece, smooth	One-piece, smooth	One-piece, smooth	One-piece, smooth
Material	GRP sandwich panel	GRP sandwich panel	GRP, translucent / aluminium	GRP, translucent / aluminium
Material thickness (mm)	30	30	1.8	1.8
Roof strut spacing (mm)	—	—	600	600
Cantrail	Round design	Round design	Round design	Round design
Powder-coated profile surface	compl. MB 9147 (arctic white) or RAL 9010	compl. MB 9147 (arctic white) or RAL 9010	compl. MB 9147 (arctic white) or RAL 9010	compl. MB 9147 (arctic white) or RAL 9010
1 rear door frame with rear doors				
Design	Aluminium with steel rear bottom member	Aluminium with steel rear bottom member	Aluminium with steel rear bottom member	Aluminium with steel rear bottom member
2 rear doors	Fitted inside rear frame	Fitted inside rear frame	Fitted inside rear frame	Fitted inside rear frame
Material	Aluminium, smooth edged	Aluminium, smooth edged	Aluminium, smooth edged	Aluminium, smooth edged
Lock recessed into right-hand leaf	Recessed, lockable	Recessed, lockable	Recessed, lockable	Recessed, lockable
Internal cladding	Steel sheeting, galvanised/primed	Steel sheeting, galvanised/primed	Steel sheeting, galvanised/primed	Steel sheeting, galvanised/primed

WIHAG®City body kits – Overview

	Overall dimensions		
	Length L1 (mm)	Width B1 (mm)	Height H1 (mm)
Sandwich panel 25 mm	3000 – 5100	1805 – 2355	1775 – 2500
Ultra 14 mm	3000 – 5100	1805 – 2355	1775 – 2500
Ultra 17 mm	3000 – 5100	1805 – 2355	1775 – 2500
Clamped aluminium	3000 – 5100	1805 – 2355	1775 – 2500

Intermediate dimensions in intervals of 25 mm

Fittings

WIHAG®City body kit – Fittings

	Cargo control pans	Cargo control track	Internal cladding, wood	Steel internal cladding	Aluminium internal cladding	Aluminium internal cladding, primed	Styrofoam	1-leaf side door, Tila	1-leaf side door, standard hinges	Aluminium side flap	Lock, recessed	Sliding bar lock	Sliding latch	Spring latch	Position light, red, 12V	Position light, white, 12V	Third brake light (LED)	Ceiling light (LED)	Floor thickness 18 mm	Floor thickness 21 mm	Height of rear bottom member 70 mm
Roof																					
GRP sandwich panel 30	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	•	–	–	–	
Lite 30	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	•	–	–	–	
GRP, translucent	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	•	–	–	–	
Aluminium	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	•	–	–	–	
Bulkhead	–	–	–	–	–	–	–	–	–	–	–	–	–	–	•	–	–	–	–	–	
GRP sandwich panel 25	–	•	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
Lite 25	–	•	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
Ultra 14	–	•	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
Ultra 17	–	•	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
Clamped aluminium	•	•	•	–	–	–	•	–	–	–	–	–	–	–	–	–	–	–	–	–	
Side wall left / right																					
GRP sandwich panel 25	–	•	–	–	–	–	–	•	•	•	–	–	–	–	–	–	–	–	–	–	
Lite 25	–	•	–	–	–	–	–	•	•	•	–	–	–	–	–	–	–	–	–	–	
Ultra 14	–	•	–	–	–	–	–	•	•	•	–	–	–	–	–	–	–	–	–	–	
Ultra 17	–	•	–	–	–	–	–	•	•	•	–	–	–	–	–	–	–	–	–	–	
Clamped aluminium	•	•	•	–	–	–	•	•	•	•	–	–	–	–	–	–	–	–	–	–	
Aluminium rear frames	–	–	–	–	–	–	–	–	–	–	–	–	–	•	–	•	–	•	•	•	
Rear door leaf, left	–	–	•	•	•	•	•	–	–	–	•	–	•	•	–	–	–	–	–	–	
Rear door leaf, right	–	–	•	•	•	•	•	–	–	–	•	•	–	–	–	–	–	–	–	–	
Aluminium rear flap over tail-lift	–	–	•	•	•	•	•	–	–	–	–	–	–	–	–	–	–	–	–	–	
Single-leaf TILA aluminium side door	–	–	–	•	•	•	•	–	–	–	•	•	–	–	–	–	–	–	–	–	
Single-leaf aluminium side door stand. hinge	–	–	–	•	•	•	•	–	–	–	•	•	–	–	–	–	–	–	–	–	
Single-leaf side flap	–	–	–	•	•	•	•	–	–	–	•	–	–	–	–	–	–	–	–	–	

• available – not available

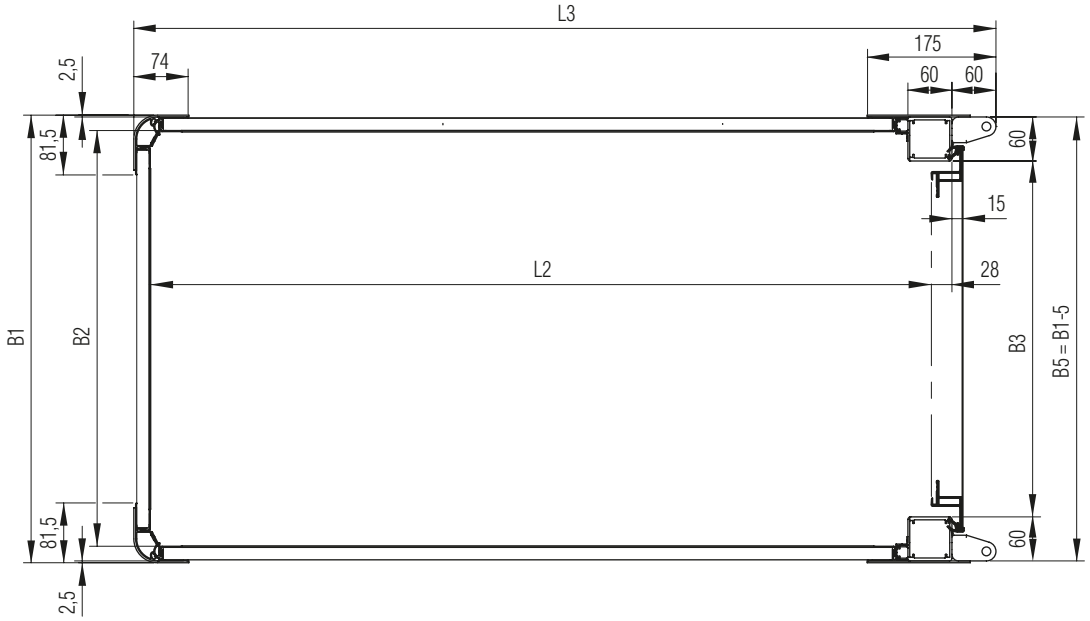
Self-supporting base for all models in one design
(dimensions automatically configured).

Two longitudinal members per base, in lengths of 4380 mm and 5100 mm
(matching length automatically configured).

Body mounting brackets with washer and bolt (quantity automatically configured).

Dimensions for „Sandwich“, "Lite" and „Ultra“

View from above for base assembly and self-supporting base



	L1 [mm]	B1 [mm]	H1 [mm]
Overall dimensions	3000 – 5000	1805 – 2355	1775 – 2500
Inner dimensions 14	L2 = L1 – 52	B2 = B1 – 40	—
Inner dimensions 17	L2 = L1 – 55	B2 = B1 – 46	—
Inner dimensions 25	L2 = L1 – 63	B2 = B1 – 62	—

Intermediate dimensions in intervals of 25 mm

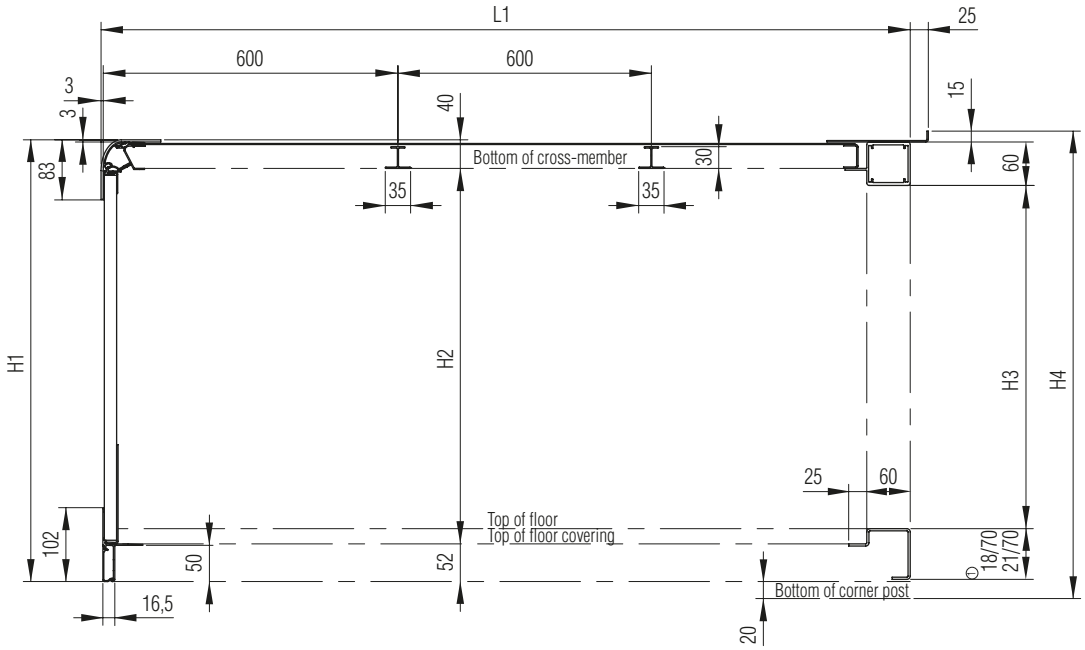
L1 External length over roof corner caps to rear edge of top member on rear frame
L2 Internal length measurement between bulkhead kick strip and inside of rear door (flap)
L3 External length over everything from the roof corner caps on the bulkhead to the overhanging hinge on the rear door

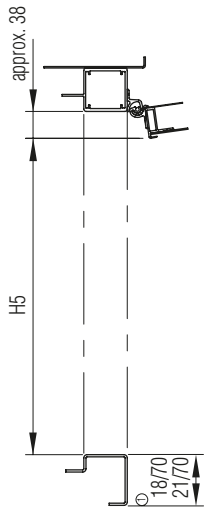
B1 Total width measured over roof corner caps
B2 Internal width between side wall kick strips
B3 Aperture clearance of rear frame
B5 External width of rear frame

H1 External height over roof corner caps to bottom of side rave profile
H2 Internal height between roof bow to top of floor covering; floor thickness 18 and 21 mm
H3 Aperture clearance of rear frame
H4 Height over all components; top of cover profile to bottom of side rave profile / bottom member on rear frame
H5 Clear loading height of the rear portal with LBW flap

① Height of top member: 60 mm for doors with recessed locks and for tail-lift flap

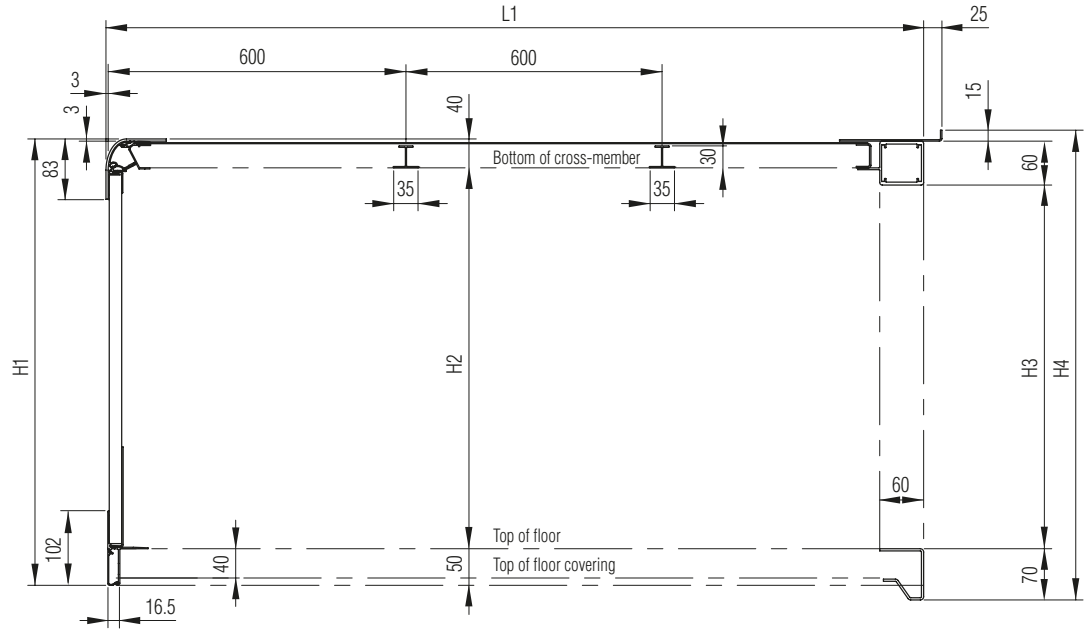
Side view for base assembly

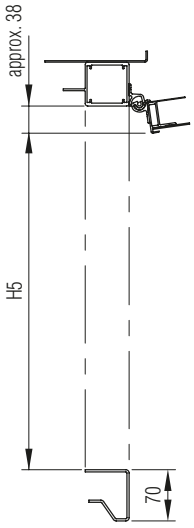




Bottom member, standard **Bottom member, tail-lift flap**

Side view for self-supporting base

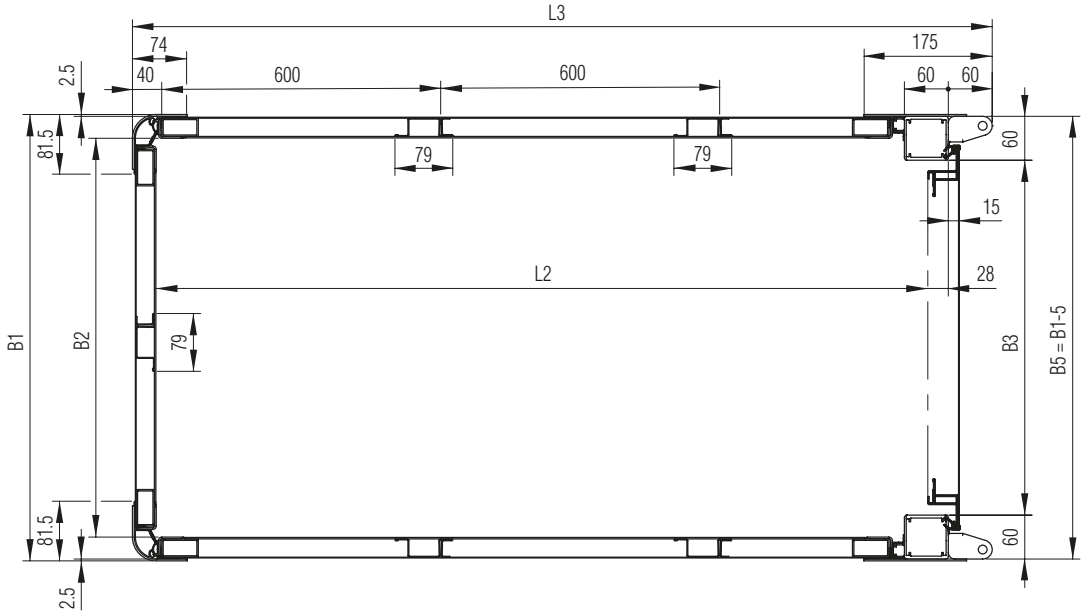




Bottom member, standard **Bottom member, tail-lift flap**

Dimensions for clamped Aluminium

View from above for base assembly and self-supporting base



	L1 [mm]	B1 [mm]	H1 [mm]
Overall dimensions	3000 – 5100	1805 – 2355	1775 – 2500
Inner dimensions (without internal cladding)	L2 = L1 – 66	B2 = B1 – 68	—

Intermediate dimensions in intervals of 25 mm

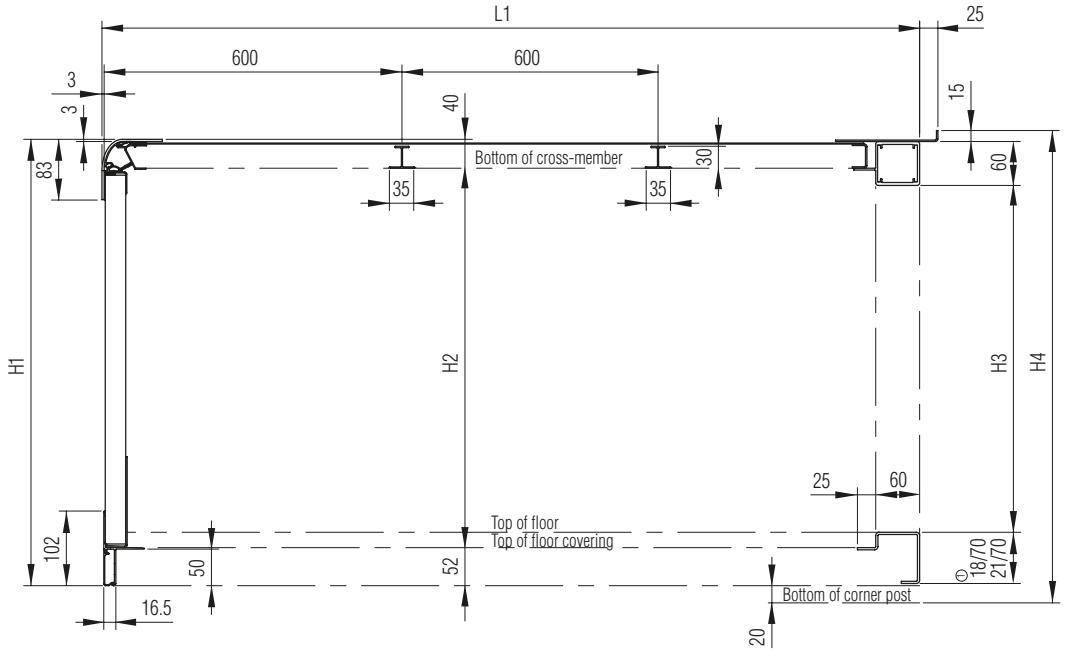
L1 External length over roof corner caps to rear edge of top member on rear frame
L2 Internal length measurement between bulkhead kick strip and inside of rear door (flap)
L3 External length over everything from the roof corner caps on the bulkhead to the overhanging hinge on the rear door

B1 Total width measured over roof corner caps
B2 Internal width between side wall kick strips
B3 Aperture clearance of rear frame
B5 External width of rear frame

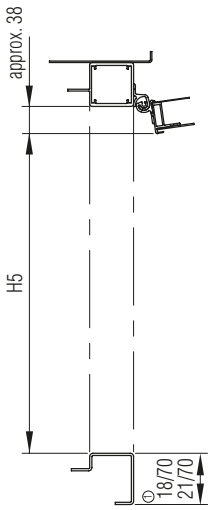
H1 External height over roof corner caps to bottom of side rave profile
H2 Internal height between roof bow to top of floor covering; floor thickness 18 and 21 mm
H3 Aperture clearance of rear frame
H4 Height over all components; top of cover profile to bottom of side rave profile / bottom member on rear frame
H5 Clear loading height of the rear portal with LBW flap

① Height of top member: 60 mm for doors with recessed locks and for tail-lift flap

Side view for base assembly

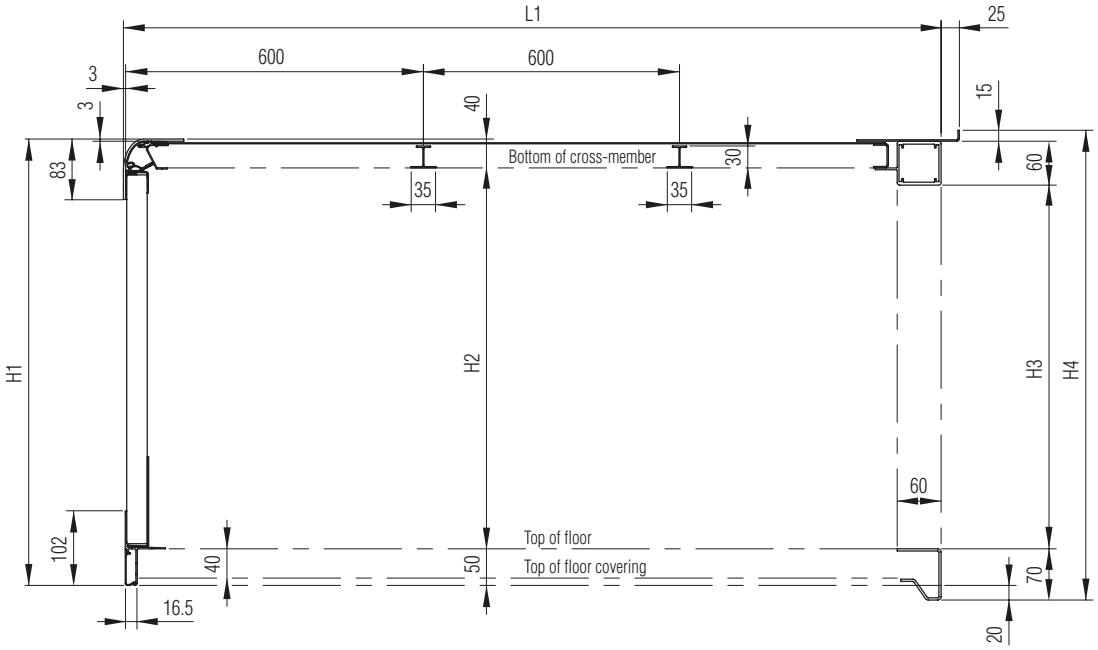


Bottom member, standard

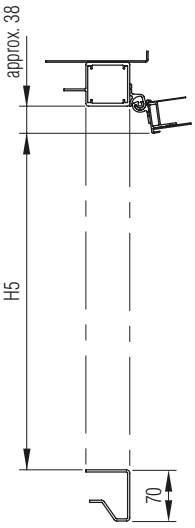


Bottom member, tail-lift flap

Side view for self-supporting base

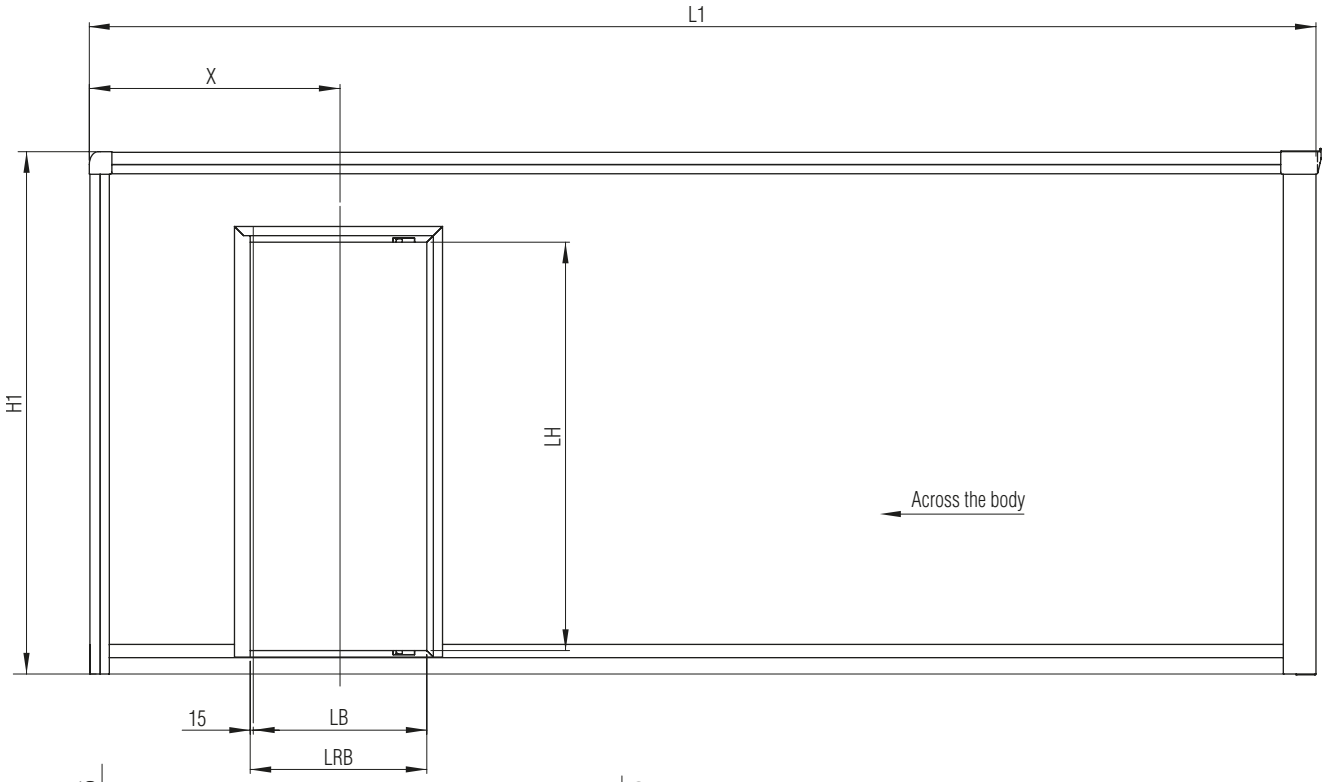


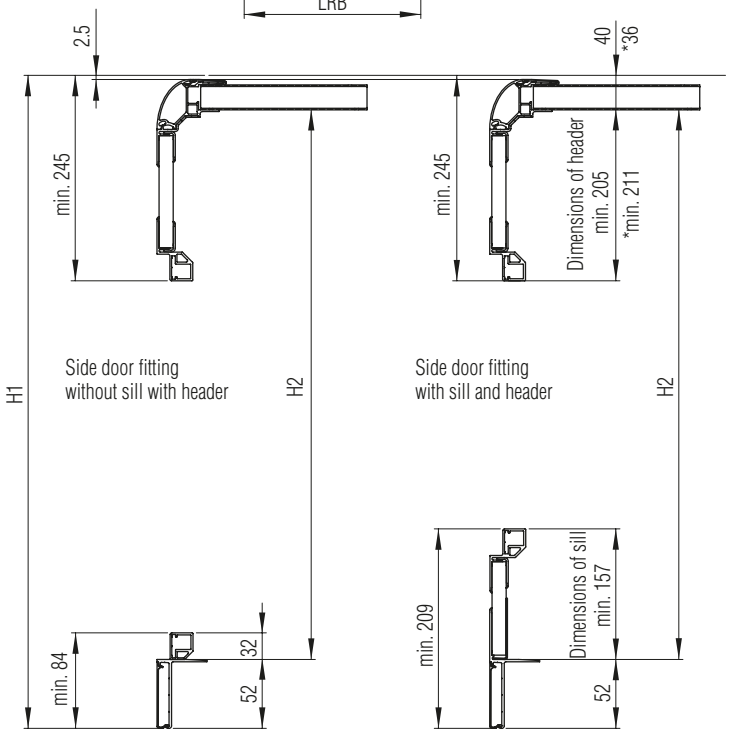
Bottom member, standard



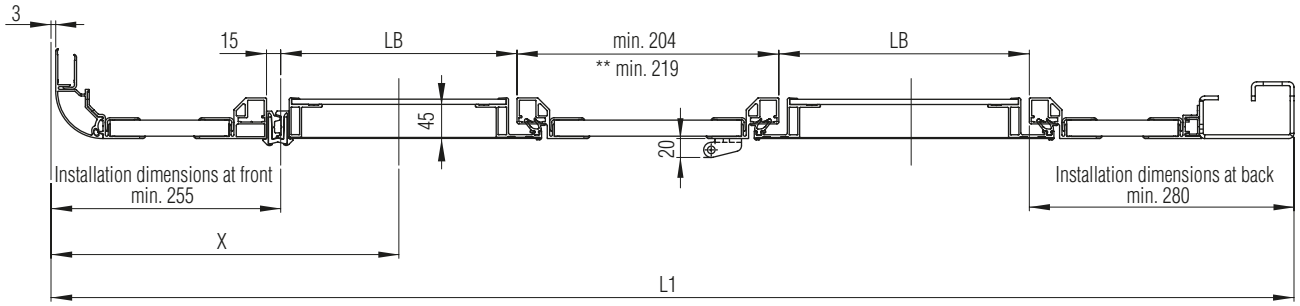
Bottom member, tail-lift flap

Dimensions for side door

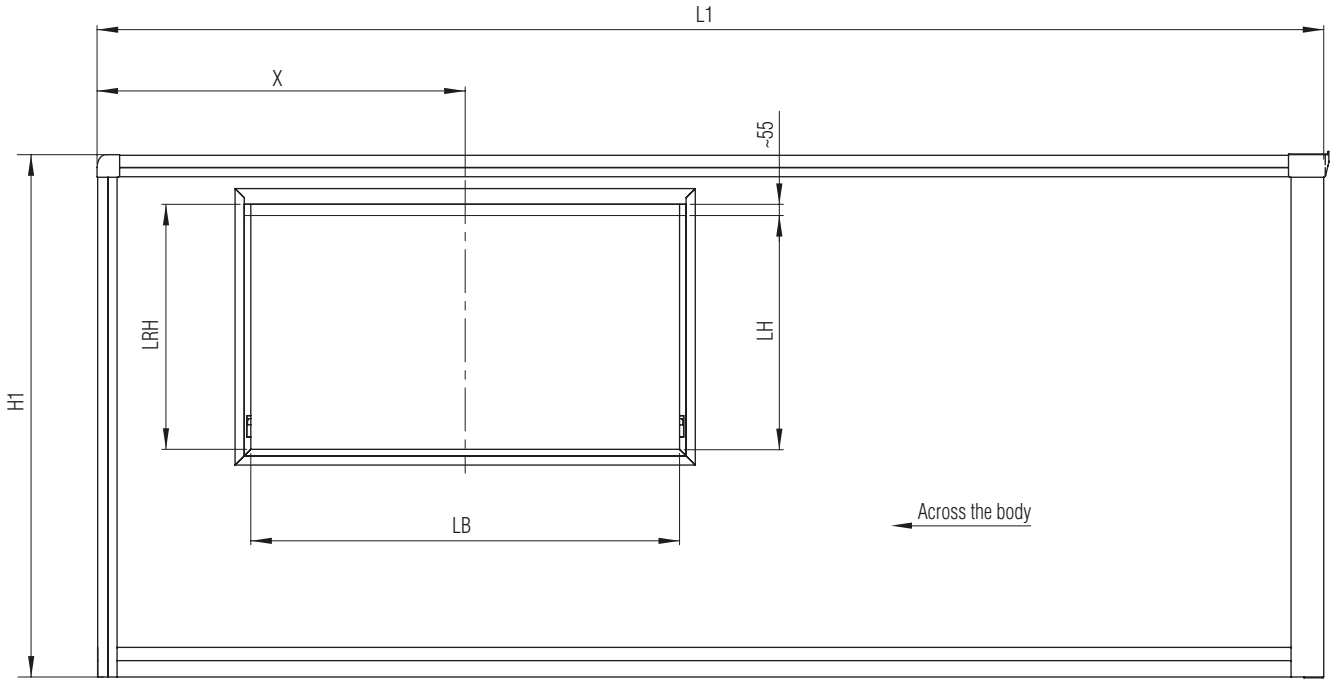


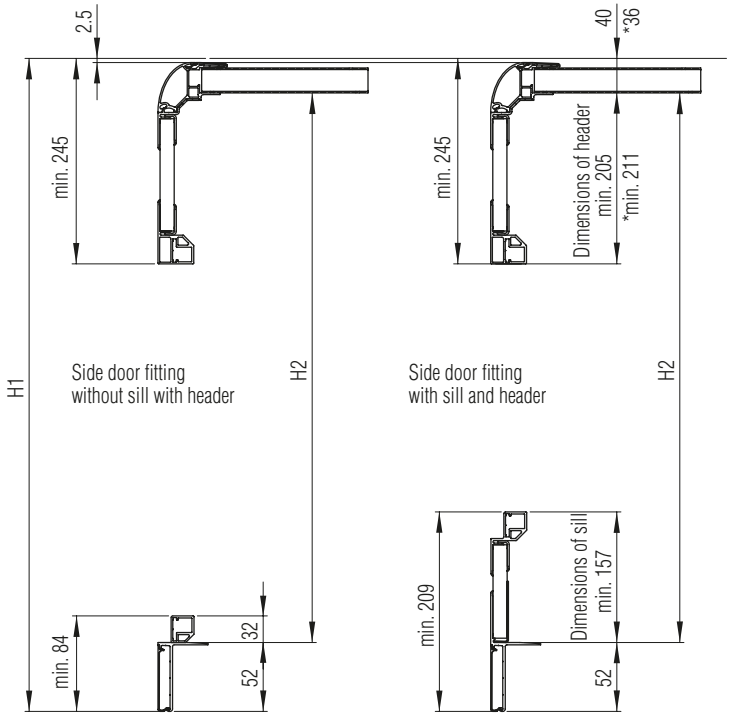


L1	External length over roof corner caps to rear edge of top member on rear frame
LH	Clear height
LB	Clear width
LRB	Clear width of frame
H1	External height over roof corner caps to bottom of side rave profile
H2	Internal height between roof bow to top of floor covering; floor thickness 18 and 21 mm
X	Dimensions over outer roof corner caps to centre of door installation
*	Dimensions for sandwich roof 30
**	Dimensions for door with standard hinge

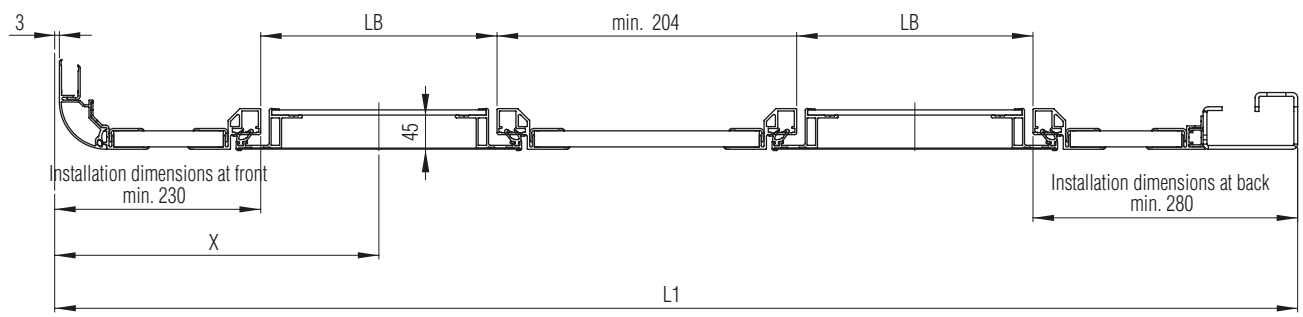


Dimensions for side flap





L1	External length over roof corner caps to rear edge of top member on rear frame
LH	Clear height
LB	Clear width
LRB	Clear width of frame
H1	External height over roof corner caps to bottom of side rave profile
H2	Internal height between roof bow to top of floor covering; floor thickness 18 and 21 mm
X	Dimensions over outer roof corner caps to centre of door installation
*****	Dimensions for sandwich roof 30



Subframe dimensions with and without adapter profile

Subframe dimensions of body kit with base assembly and bulkhead at the front and a rear door frame

Rear frame bottom member Typ A	Rear frame bottom member Typ B	Subframe length UL	
		with adapter profile[1] (mm)	without adapter profile[2] (mm)
BA 18 / 70	BA 21 / 70	L1 – 104.5	L1 – 44.5

[1] With adapter profile for WIHAG®City Frame subframe
[2] Without adapter profile for in-house manufacture of subframe

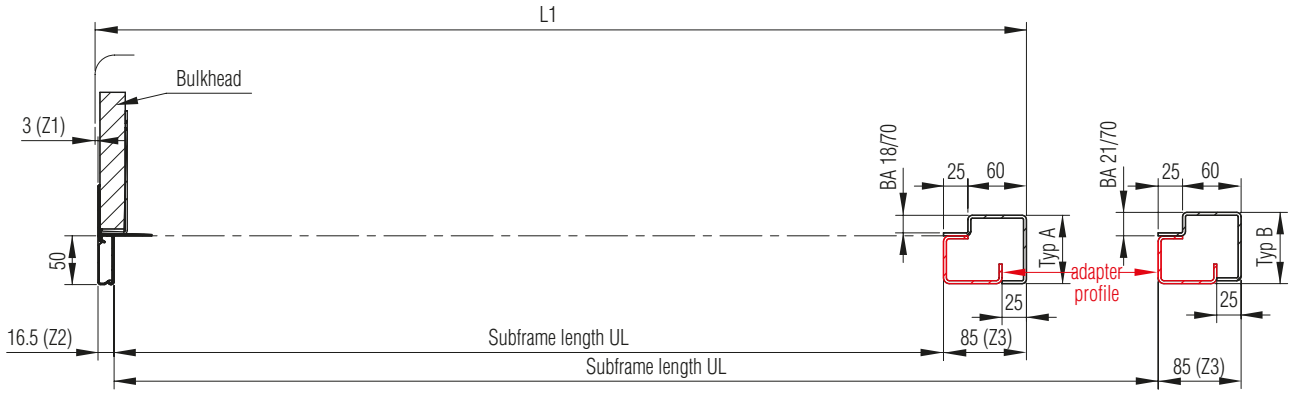
Please note!
Longitudinal members must be approx. 40 mm longer at the back than the length calculated for the subframe (rear frame bottom member recess).

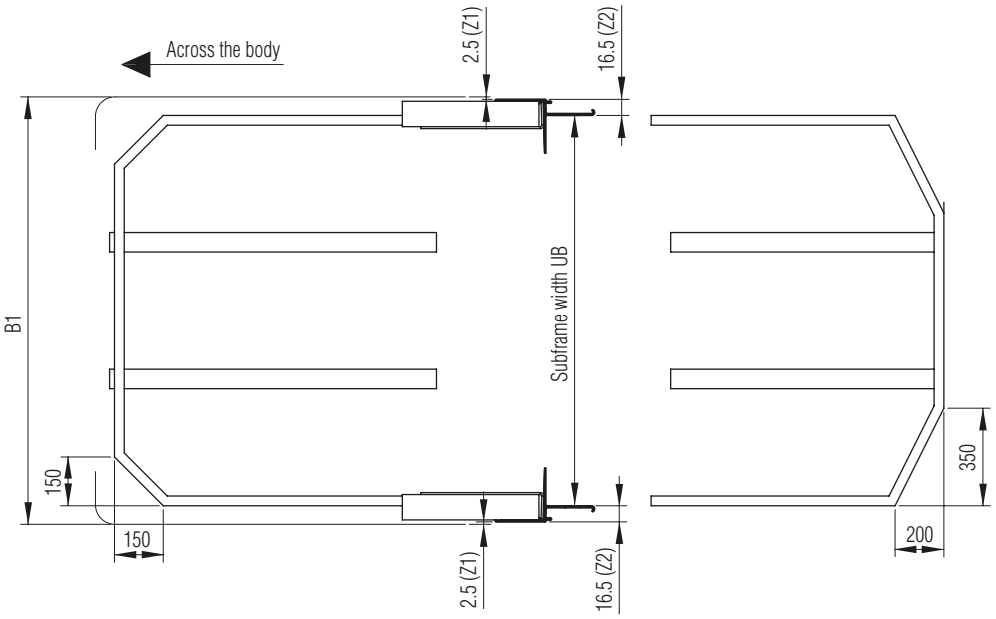
Calculation of subframe dimensions

Formula:
Subframe dimensions = external length or width - adjustment dimension

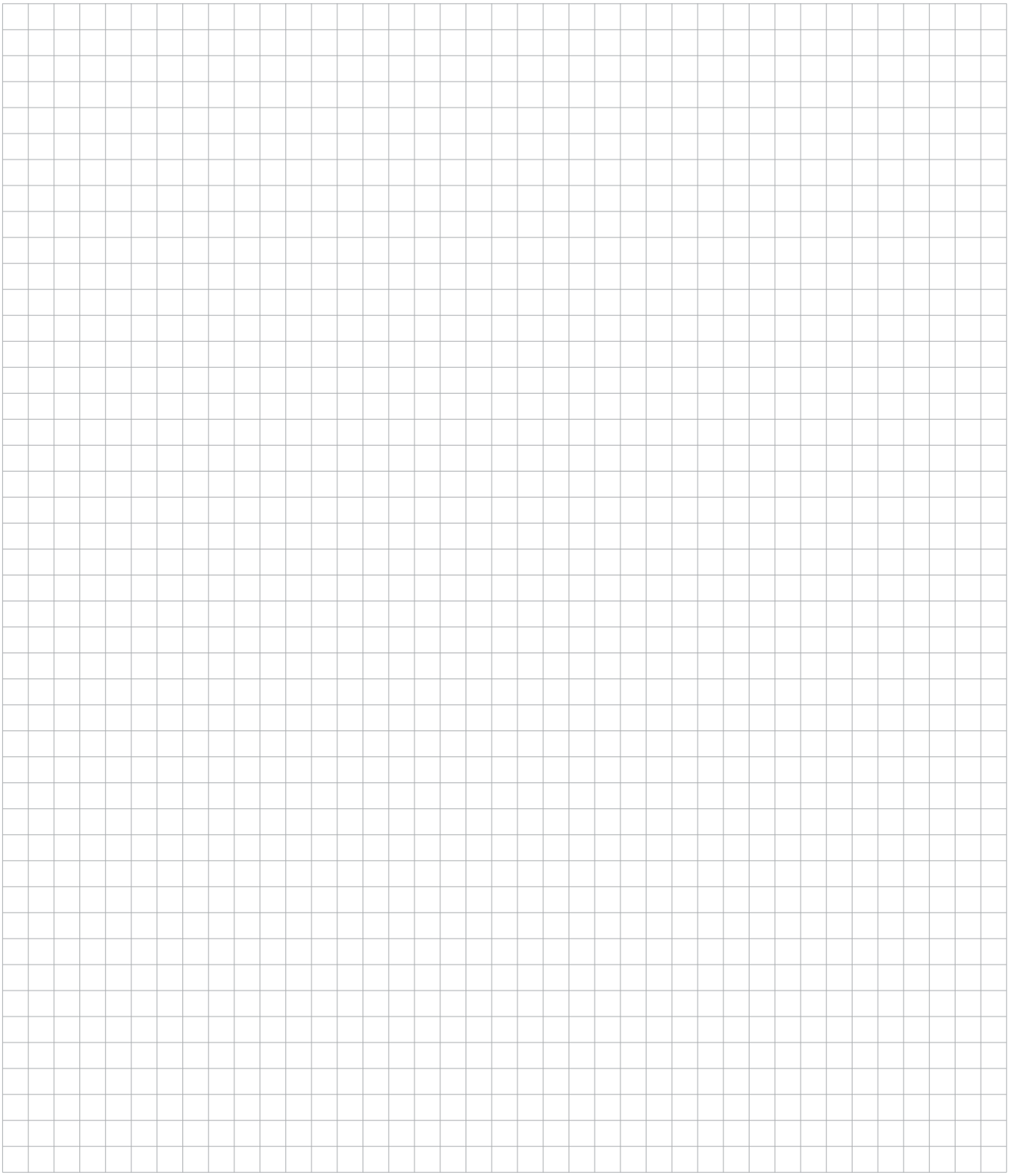
Description:
Subframe dimensions = UL subframe length
= UB subframe width
External length = L1 external length of roof from bulkhead roof corners to outer edge of rear frame header
External width = B1 overall width across roof corners
Adjustment dimension = Z1 corner adjustment
= Z2 Differential dimension lower chord
= Z3 Differential dimension rear frame bottom member

Sample calculation:
Subframe length UL = L1 – Z1 – Z2 – Z3
Subframe width UB = B1 – (Z1 + Z2) – (Z2 + Z2)





Notes



Notes

Copyright
All texts, images, technical documents and other information contained in this catalogue are subject to copyright held by WIHAG Fahrzeugbausysteme GmbH. Any reproduction or disclosure, whether as a copy or other form of duplication or use, is expressly prohibited without the prior consent of WIHAG Fahrzeugbausysteme GmbH.

Term of Delivery and Payment
All deliveries are carried out in compliance with our Terms of Delivery and Payment.

Limitation of liability
All technical data, performance descriptions, drawings, illustrations, measurements, weights or any other performance data, recommendations and guidelines contained in this catalogue and relating to the installation of parts that we supply are only binding if so expressly agreed.
Moreover, the user is obliged at all times to check each individual use and decide whether the components that we supply can be used as needed.

We accept liability in the case of wilful intent, gross negligence and infringement of cardinal contractual duties as well as for errors in respect of express or implied representations. Notwithstanding this, any claims for compensation not explicitly agreed to in these terms and conditions are hereby excluded in the case of customers who are not consumers and, in the case of such customers, who are not consumers, at all events limited to the damage foreseeable at the time of concluding the contract as well as to the value of the delivered consignment. To the extent that our liability is excluded or limited, this shall extend accordingly to the personal liability of employees, legal representatives and vicarious agents. In all instances of gross negligence committed by vicarious agents, we shall solely be liable to customers, who are not consumers, to compensate for typically foreseeable damage. The statutory regulation governing the burden of proof shall remain unaffected. The aforementioned limitation of liability shall not apply to claims resulting from product liability, for damage resulting from injury to life, limb or health, or for damage to privately used property.

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

WIHAG was founded in 1945 and has been a supplier to the European commercial vehicle industry ever since. Initially, it acted only as a trader and, since the mid-seventies, also as a producer of its own products.

From 2005 onwards, we have consistently focused on in-house developed vehicle components with the highest technical standards and outstanding quality, produced at our site in Stadtilm near Erfurt.

European associated companies complete our capacities and manufacturing capabilities.

We offer solutions for a wide range of products from the transport industry: Components for bodies, complete body kits, add-on parts for chassis and swap bodies.

Headquarter

WIHAG Fahrzeugbausysteme GmbH
Herforder Straße 22
33602 Bielefeld / DE

POB 10 31 47
33531 Bielefeld / DE

T +49 521 1455–0
E post@wihag.de
W wihag.de

Production locations

WIHAG Fahrzeugbausysteme GmbH
Werk Stadtilm
Am Haunberg 1
99326 Stadtilm / DE

T +49 3629 77501 – 0
E post@wihag.de
W wihag.de

WIHAG Fahrzeugbausysteme GmbH
Werk Lotte
Daimlerstraße 13 – 15
49504 Lotte / DE

T +49 521 1455 – 0
E post@wihag.de
W wihag.de