

FIXING  GROUP



2022
EN

FIXING  GROUP



PREMIUM FIXING SYSTEMS FOR YOU

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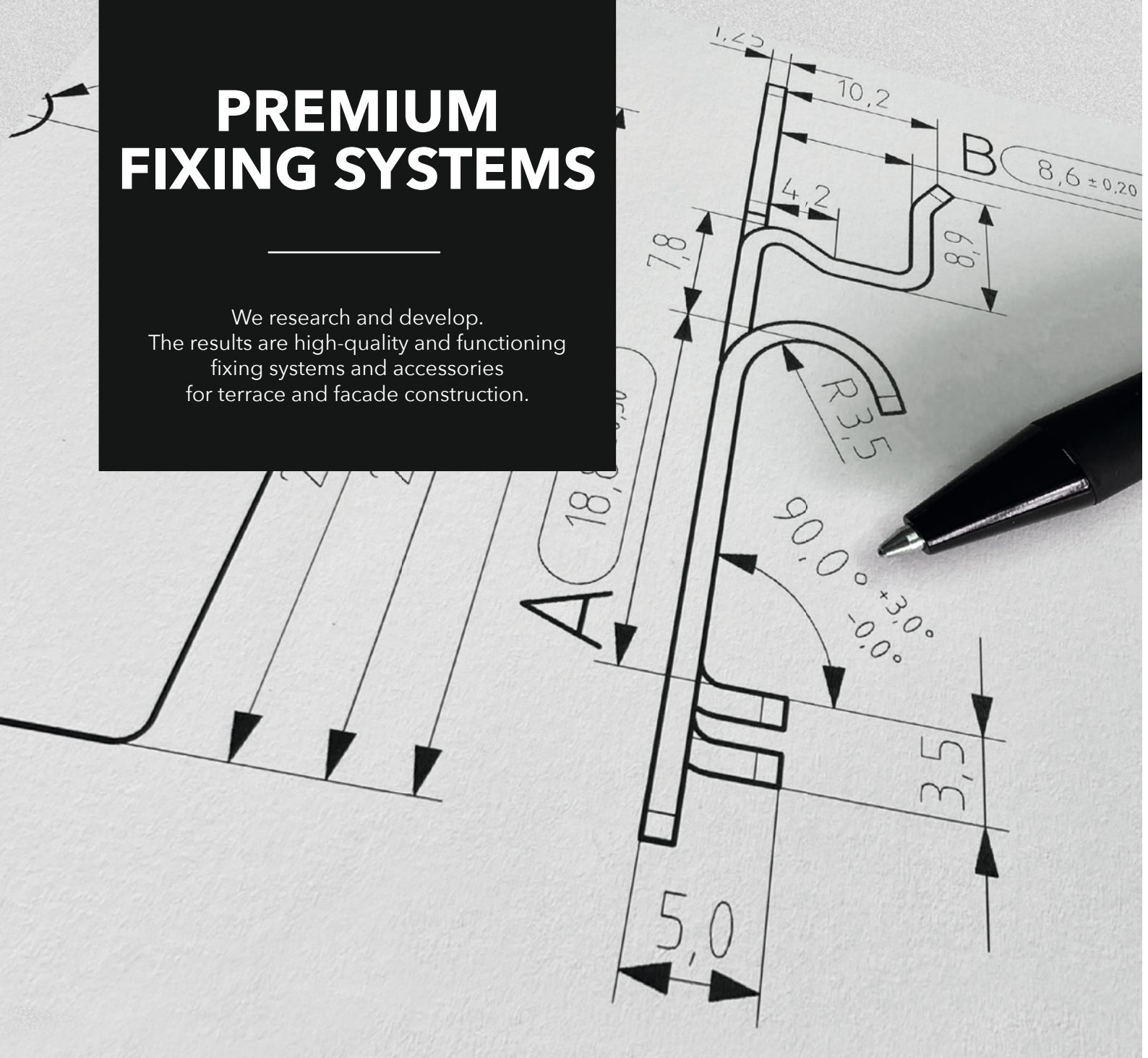
Mon - Thu: 7.30 - 12.00 | 12.30 - 16.30 hrs

Fr: 7.30 - 13.30 hrs



PREMIUM FIXING SYSTEMS

We research and develop.
The results are high-quality and functioning
fixing systems and accessories
for terrace and facade construction.



FOR YOU

On request we print your LOGO on the packaging.
Your advantage: This strengthens your brand and your customer loyalty.

YOUR BRAND



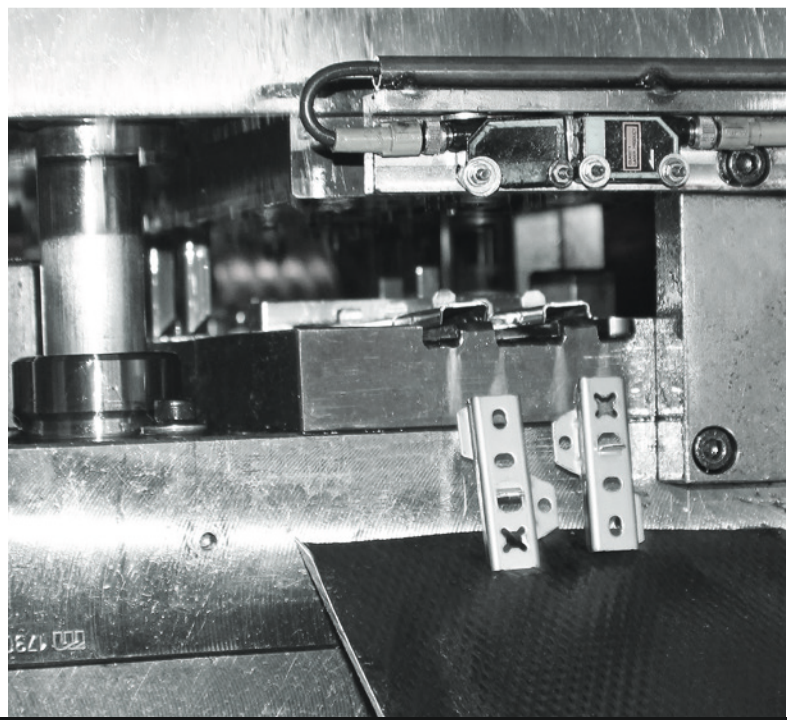
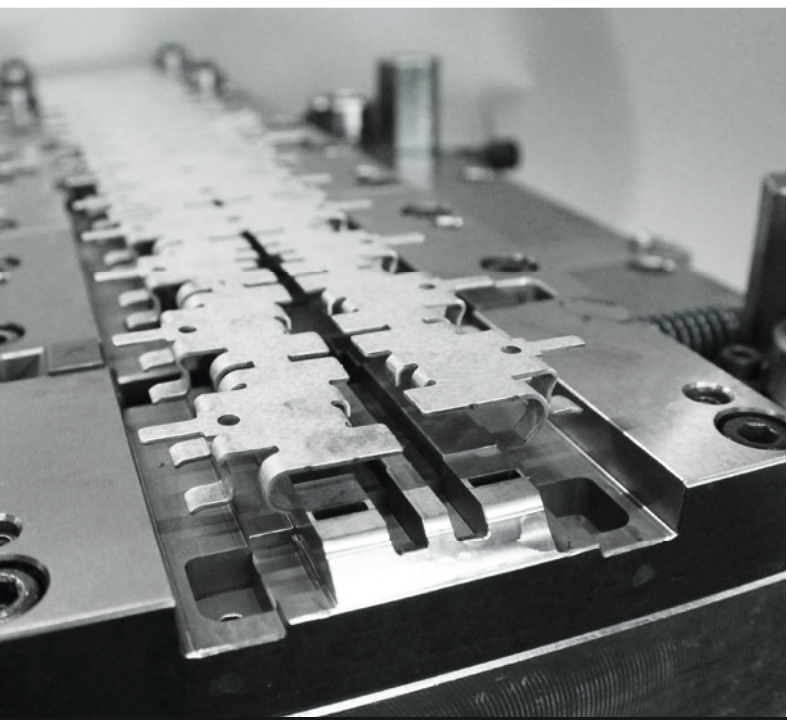
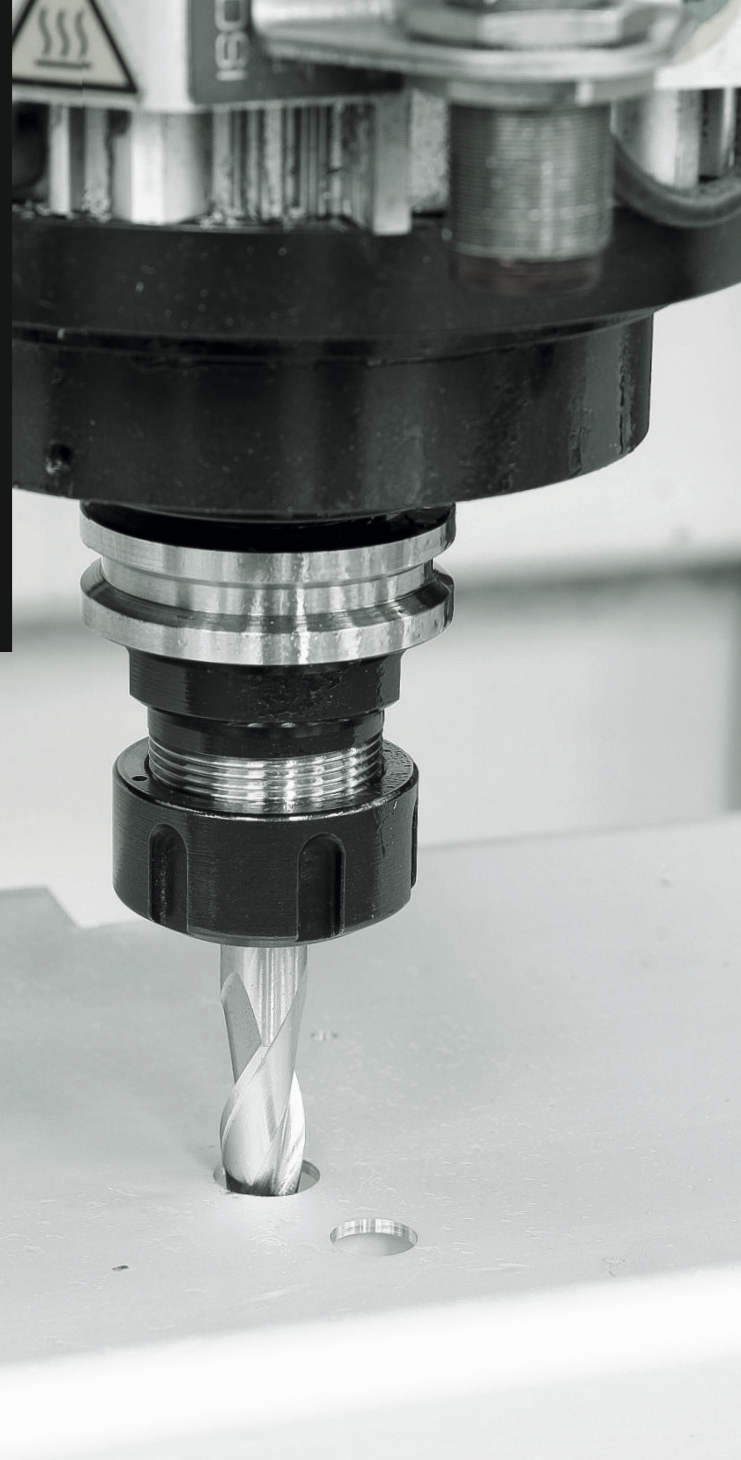
PRODUCTION

Advanced manufacturing systems and packaging operations ensures mass production in premium quality.



Made in
AUSTRIA

DILA
TIGA
LIGO
BASO
LIFTO
FUGO
ZONA
PLATA
SUPRO
DEKORA






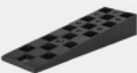






DISTRIBUTION

International distribution to selected specialist dealers and manufacturing partners. Central warehouse and logistics centre in Austria.



	DEKORA FACADE CONNECTOR	10
	TIGA FACADE CONNECTOR	14
	FUGO FACADE SPACER	18
	FUGO-SETS FACADE SPACER INSTALLATION SET	22
	ELITA DECKING SCREW / FACADE SCREW	24
	ELITA-SETS STAINLESS STEEL SCREWS + INSTALLATION TOOL SET	28
	SOLIDA STAINLESS STEEL SELF-TAPPING SCREWS	30
	SOLIDA-SETS STAINLESS STEEL SELF-TAPPING SCREWS + INSTALLATION TOOL SET	36
	PROFILA PROFILE SELF-TAPPING SCREW	38
	BASO DECKING SPACER	42
	BASO-SETS DECKING SPACER INSTALLATION SET	46
	GUMO D DISTANCE BAND	48
	GUMO K PROTECTION & ISOLATION BAND	52
	SUPRO H DECKING CONNECTOR	56
	DILA DECKING CONNECTOR	60
	PLATA P DECKING CONNECTOR	64
	PLATA C DECKING CONNECTOR	68 <small>NEW</small>
	LIGO C DECKING CONNECTOR	72 <small>NEW</small>

	LIGO N DECKING CONNECTOR	76	
	ZONA WPC DECKING CONNECTOR	80	
	UNIA SYSTEM SCREW	84	NEW
	RELO V VENTILATION DRAINAGE GRATE	86	
	RELO V SYSTEM ACCESSORIES	90	
	RELO RA EDGE FINISHING TRIM PROFILE	94	NEW
	RELO SUBSTRUCTURE JOIST	98	
	RELO SYSTEM ACCESSORIES	102	
	LIFTO ADJUSTABLE PEDESTAL	106	NEW
	LIFTO K ADJUSTABLE PEDESTAL	110	
	TRIGO ADJUSTING WEDGE	114	
	GUMO L EPDM RUBBER PRESSURE PAD	118	
	GUMO LG GRANULATE PAD	120	
	HELPO SYSTEM ACCESSORIES	122	
	HELPO GROUND COVER MEMBRANE	124	NEW
	TIPS & TRICKS DECKING AND FACADE CONSTRUCTION	126	NEW
	FOR YOU CUSTOM BRANDING, HOMEPAGE ACCESS, PRODUCT-VIDEOS, VIDO SYSTEM DISPLAY STANDS	140	

DEKORA

FACADE CONNECTOR













Alu-zinc



Alu-zinc C4

FEATURES

							
Instructions	Data sheet	Tips & Tricks	Video	SET Pack	DEKORA Profile	Display stand	Branding

Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
015005000	DEKORA facade connector	aluminium zinc	PU 100 PCS	9009941004420	2,62 kg	7326 90 98
015105000	DEKORA facade connector	aluminium zinc C4 black	PU 100 PCS	9009941014405	2,62 kg	7326 90 98

The required ELITA1 screws 4,5 x 34 mm and instructions are included in every package

Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
030001000	ELITA1 4,5 x 34 mm, screw	stainless steel, full thread, TX20	PU 100 PCS	9009941013101	0,218 kg	7318 14 10



DEKORA DETAILS

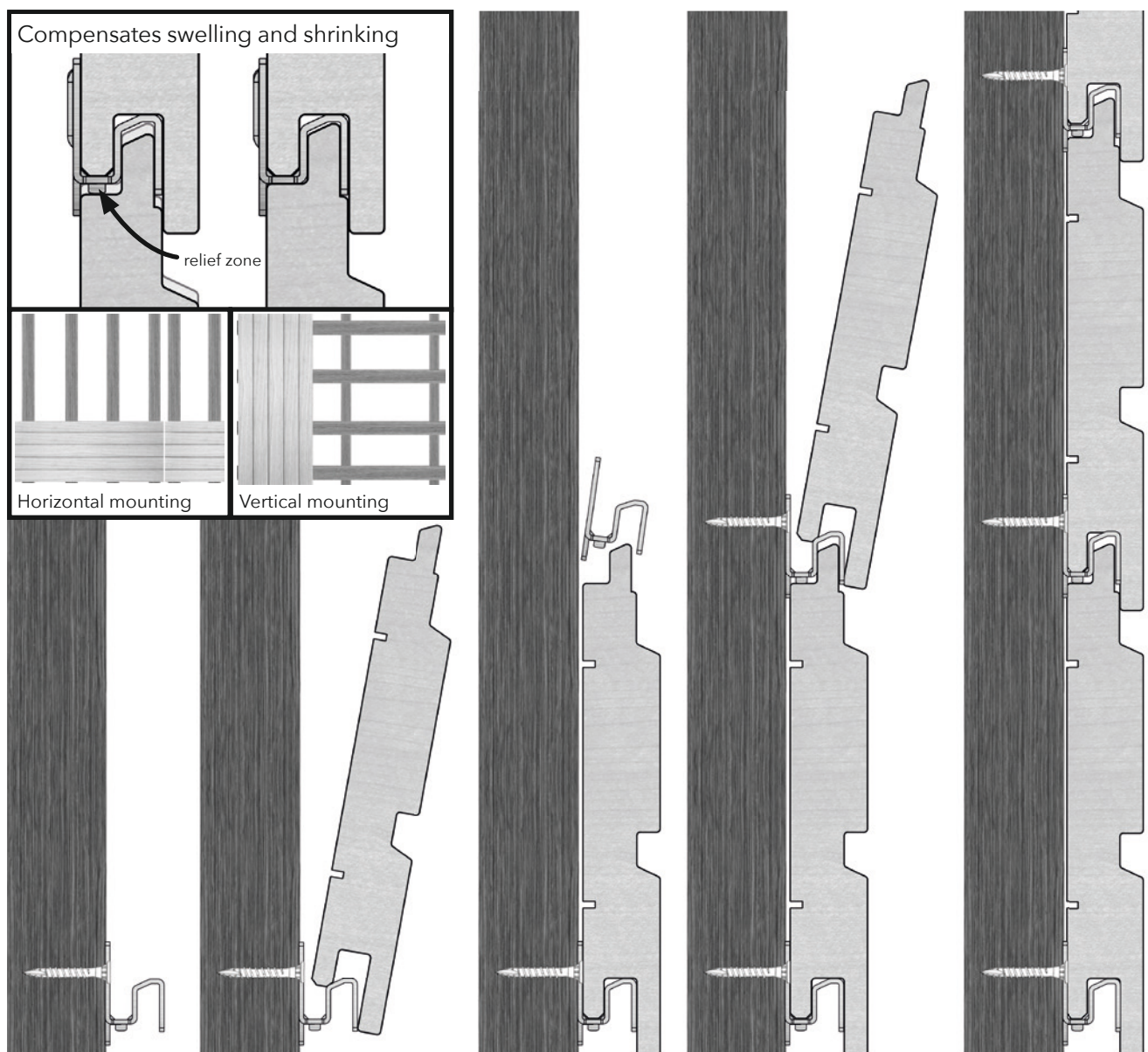
The facade connector **DEKORA** guarantees a simple, fast and safe installation process of closed cladding made of wood or wood-like materials.

The concealed tongue-and-groove fixing system protects the facade surface against the effects of weather and ensures integral structural protection.

The beveled connector guide allows for easy placement and at the same time ensures a smooth insertion and positioning of the facade profile.

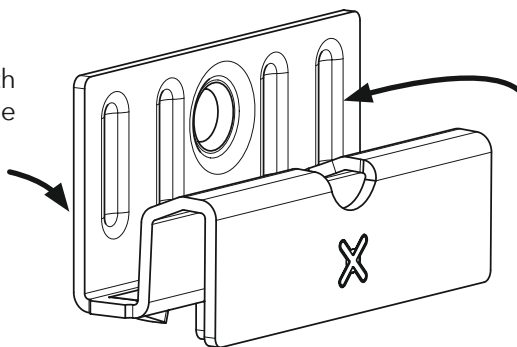
Dekora allows natural shrinking of wooden cladding boards and absorbs swelling through the integrated relief zones.

The unique fixing system can be easily applied to facade installations through one mounting screw to the substructure.



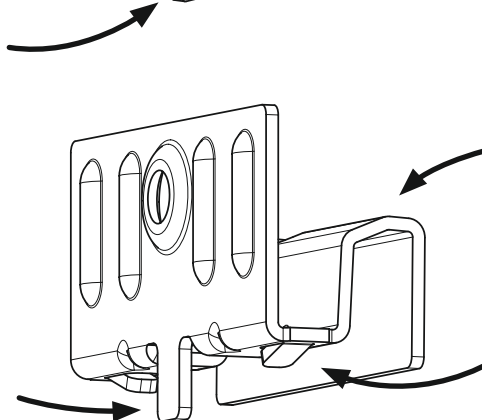
DEKORA HIGHLIGHTS

Guide bracket ensures smooth assembly and positioning of the facade boards



Stabilizing zones counteract the deformation forces to the substructure

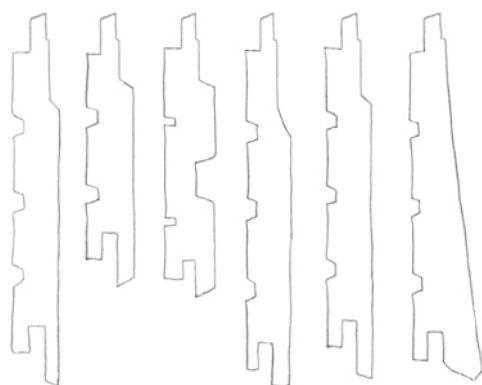
Long guide zones stabilize the facade profile and compensate shrinkage



Beveled guide bracket for easy installation of the facade profiles

Guide tab for easy and quick installation

Integrated relief zones absorb swelling movements



Maximum flexibility in design selection.

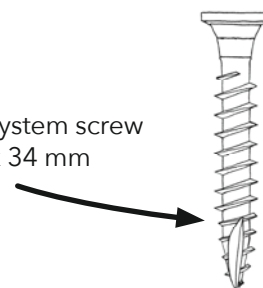
DEKORA facade profiles are available in different dimensions, types of wood species and surface designs.

Country-specific regulations must be complied with.

OVERVIEW

Fixing:	concealed system
Fixing type:	sliding and fixed point
Facade board:	special DEKORA profile
Fire protection:	according to metal material
Material:	Alu-zinc or Alu-zinc C4 black
System screw:	ELITA 4,5 x 34 mm hardened stainless steel
Special feature:	system screws are included

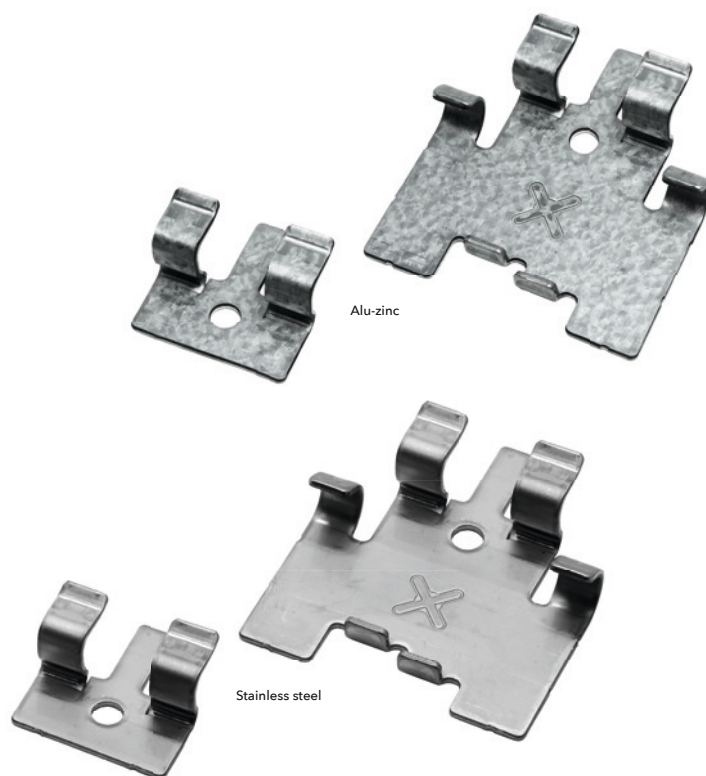
Enclosed system screw
ELITA 4,5 x 34 mm







TIGA

FACADE CONNECTOR





FEATURES

							
Instructions	Data sheet	Tips & Tricks	Video	SET Pack	TIGA Profile	Display stand	Branding

Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
005804002	TIGA facade connector	aluminium zinc	PU 100 PCS	9009941004420	1,760 kg	7326 90 98
005812000	TIGA facade connector	aluminium zinc	PU 800 PCS	9009941000880	13,910 kg	7326 90 98
006202002	TIGA S facade connector, starter piece	aluminium zinc	PU 50 PCS	9009941004550	0,398 kg	7326 90 98

The required UNIA1 system screws 4,2 x 28 mm and instructions are included in every package

Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
006004000	TIGA2 facade connector	stainless steel A2	PU 100 PCS	9009941004475	1,780 kg	7326 90 98
006012000	TIGA2 facade connector	stainless steel A2	PU 800 PCS	9009941004482	14,100 kg	7326 90 98
006302000	TIGA2 S facade connector, starter piece	stainless steel A2	PU 50 PCS	9009941007537	0,400 kg	7326 90 98

The required UNIA1 system screws 4,2 x 28 mm and instructions are included in every package



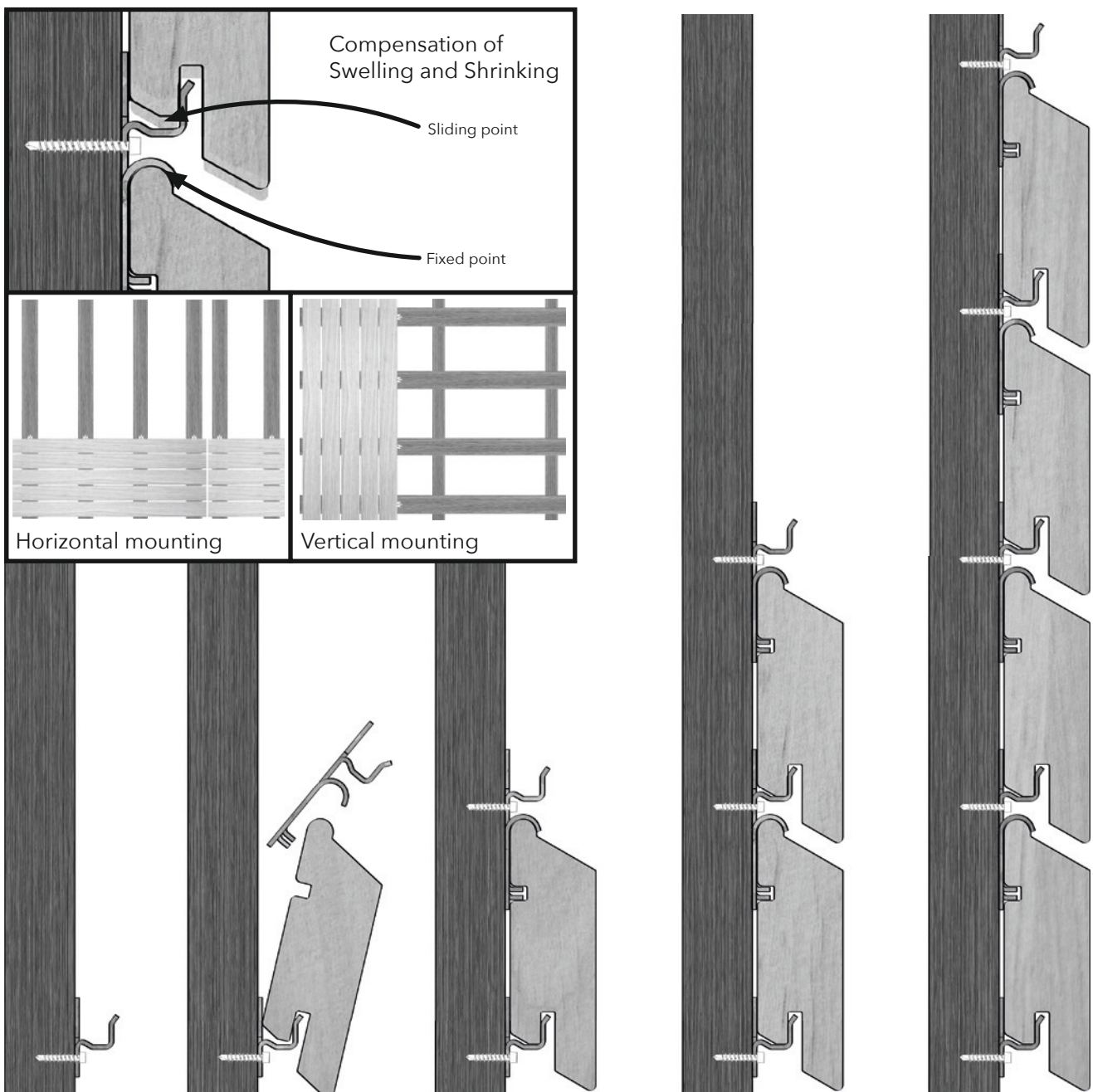
TIGA DETAILS

The facade connector **TIGA** guarantees easy, fast and safe installation of open cladding made of wood or wood-like materials.

By engaging behind the board using the TIGA concealed fixing the facade surface remains protected from weather impacts.

The positioning guide allows a simple seating for the facade board which automatically permits a uniform gap distance.

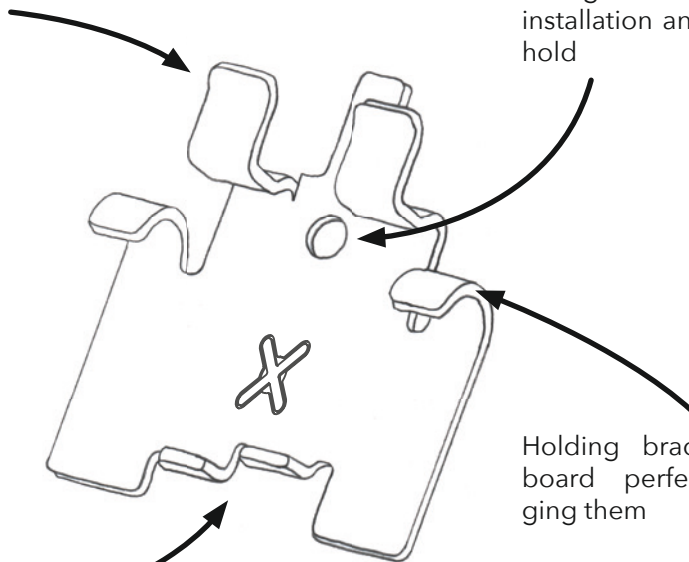
The fastening system is characterized by a sliding and fixed point installation: Natural swelling and shrinking movements are optimally controlled and compensated.



TIGA HIGHLIGHTS

Integrated positioning guide for easy mounting of facade boards.

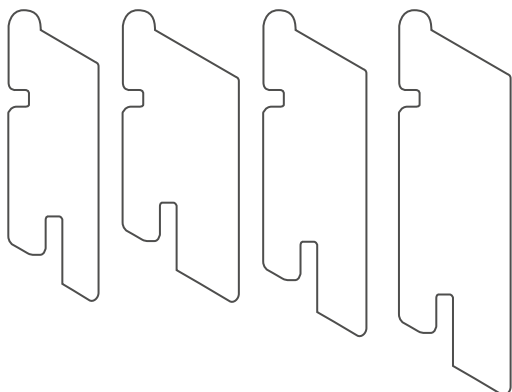
A single screw saves time during installation and ensures a secure hold



Holding brackets stabilize the board perfectly without damaging them

Interlocking connection for intuitive engagement and screwless mounting of the boards

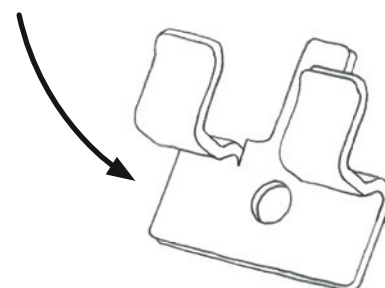
Separate starter piece to mount the first board



Maximum flexibility in design selection.

TIGA facade profiles are available in different dimensions, types of wood species and surface designs.

Country-specific regulations must be complied with.

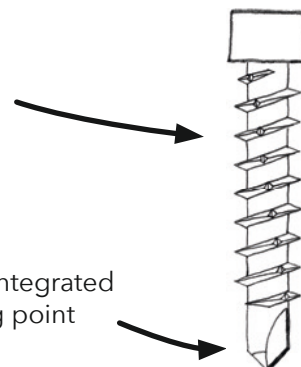


OVERVIEW

Fixing:	concealed system
Fixing type:	sliding and fixed point
Space distance:	fixed positioning guide
Facade board:	special TIGA profile
Fire protection:	according to metal material
Material:	Alu-zinc or stainless steel A2
Accessories:	start component Alu-zinc or stainless steel A2
UNIA drilling cap.:	ca. 3 mm thick Aluminium
Special feature:	Screwless Interlocking connection

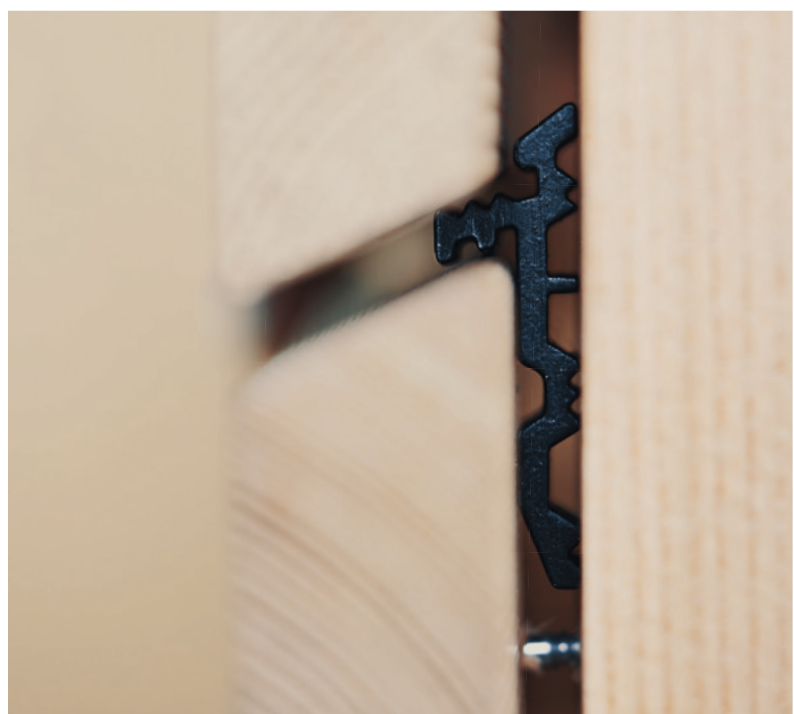
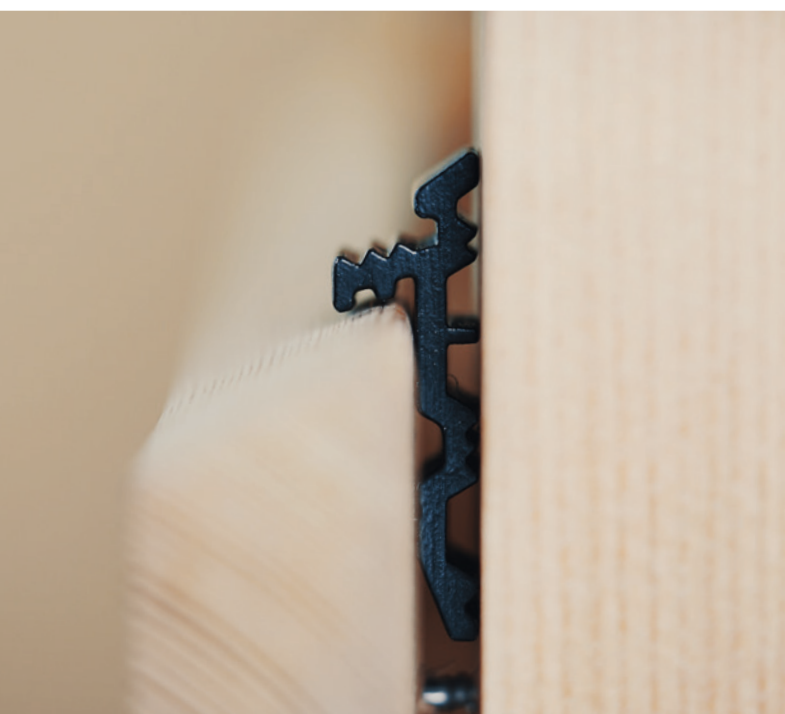
System screw
UNIA included

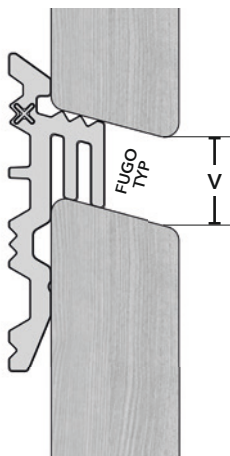
including integrated
selftapping point



FUGO

FACADE SPACER





FUGO TYP	VISIBLE JOINT [V]		
	15° Rhombus	25° Rhombus	30° Rhombus
FUGO 5	≈ 5 mm	≈ 6 mm	≈ 7 mm
FUGO 8	≈ 9 mm	≈ 10 mm	≈ 11 mm
FUGO 12	≈ 13 mm	≈ 14 mm	≈ 15 mm

FEATURES

- Instructions
- Data sheet
- Tips & Tricks
- Video
- Display stand
- Branding

Product No.	Description 1	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
016004000	FUGO 5 spacer	PU 200 PCS	9009941017079	0,638 kg	3926 90 97
016104000	FUGO 8 spacer	PU 200 PCS	9009941017086	0,676 kg	3926 90 97
016204000	FUGO 12 spacer	PU 200 PCS	9009941017093	0,721 kg	3926 90 97



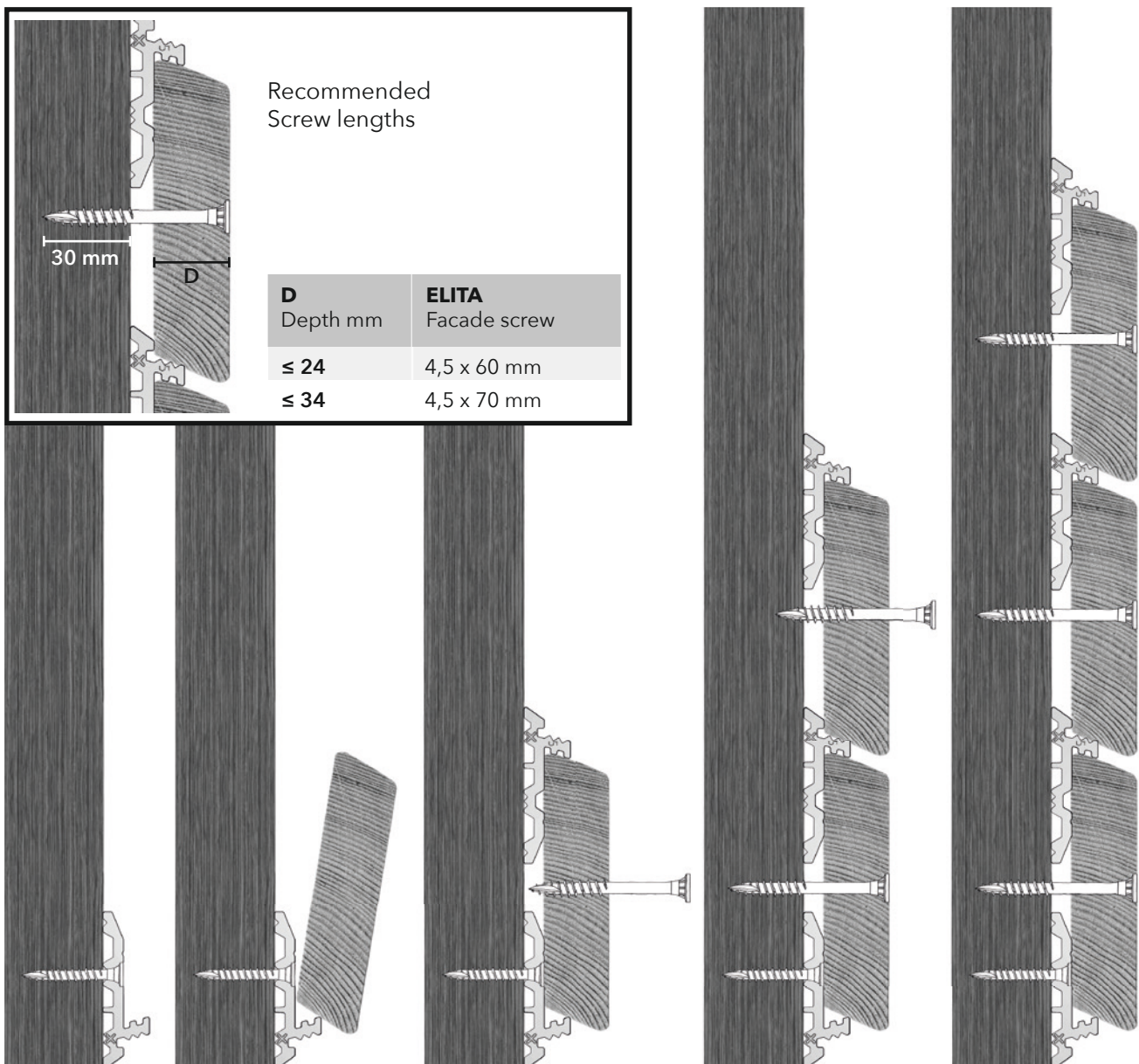
FUGO DETAILS

The **FUGO** facade spacer is the perfect accessory to visibly screw rhombus cladding boards made of wood or wood-like materials.

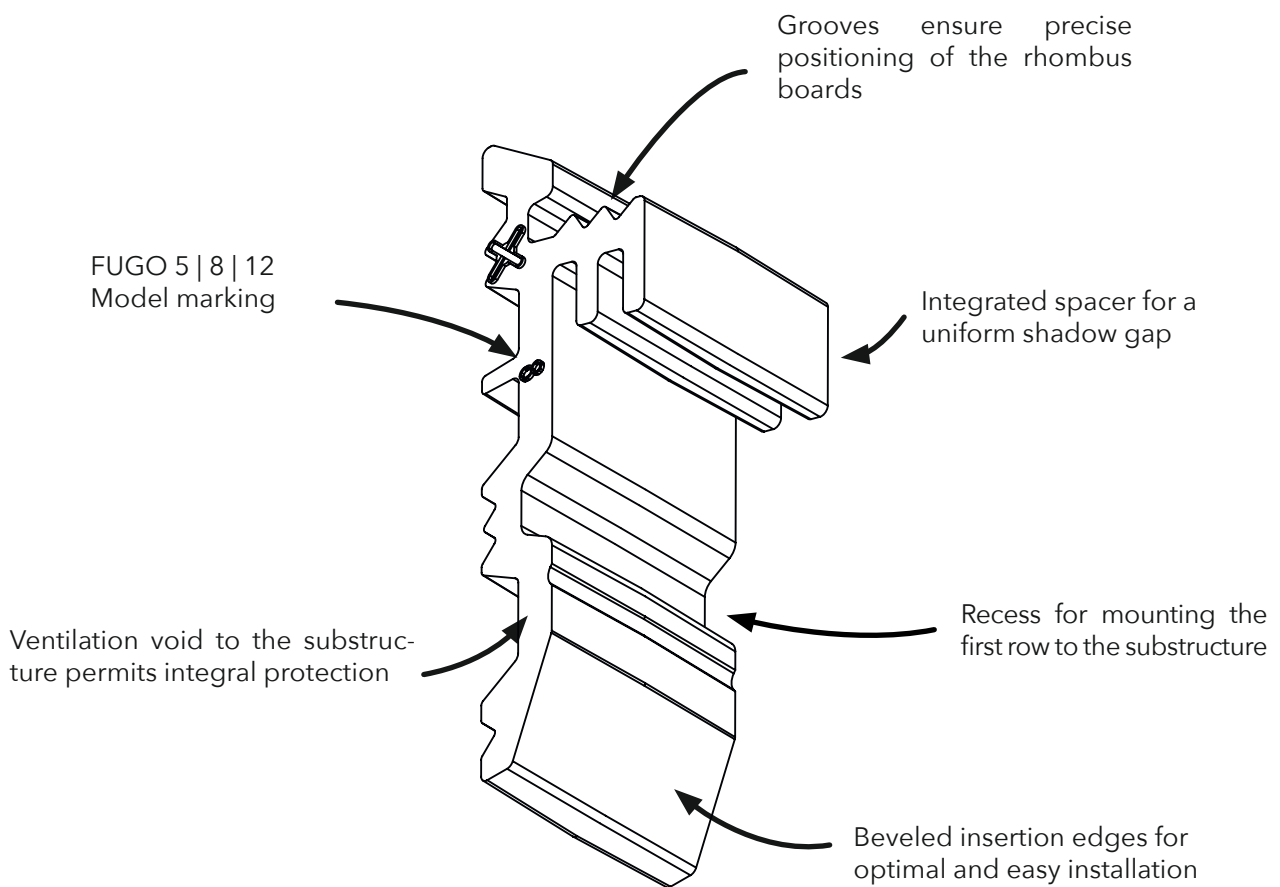
The specially shaped joint spacers between the individual rhombus boards create a uniform shadow gap and ensures the perfect look for wooden facades, privacy screens, fences, etc.

Thanks to the integrated grooves on the spacer, rhombus boards can be easily and quickly positioned and fastened.

A space of 6,0 mm creates a ventilation void to the substructure and prevents the formation of waterlogging.

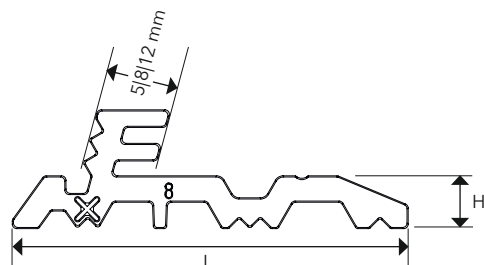


FUGO HIGHLIGHTS



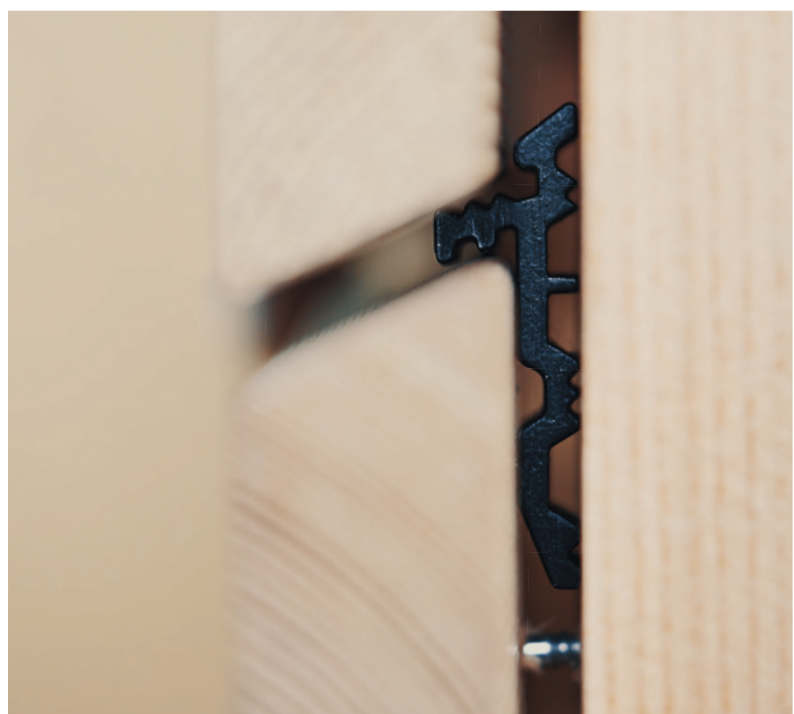
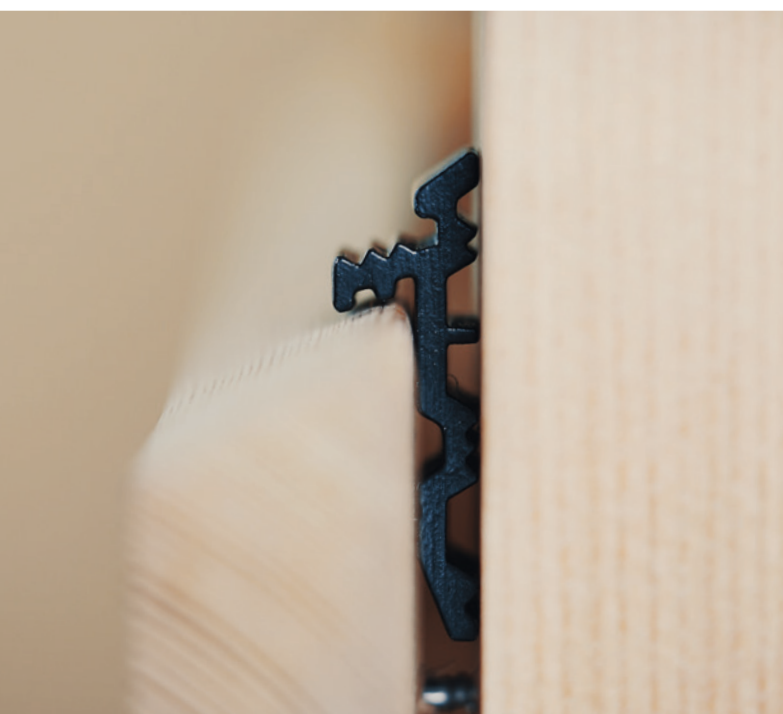
OVERVIEW

Joint spacer:	Model 5 8 12 visible joint according to diagram
Dimensions:	L 45 mm B 15 mm H 6 mm
Material:	PP polypropylene black
Special features:	For Rhombus boards from 15 -30 ° inclination



FUGO^{SET}








FACADE SPACER
INSTALLATION SET





FUGO SET Facade screw	FUGO 5	FUGO 8	FUGO 12
ELITA1			
4,5 x 60 mm	▪	▪	▪
4,5 x 70 mm	▪	▪	▪
ELITA2			
4,5 x 60 mm	▪	▪	▪
4,5 x 70 mm	▪	▪	▪

ELITA1 stainless steel
 ELITA2 stainless steel A2 1.4567 CE

FEATURES						
						
Instructions	Data sheet	Tips & Tricks	Video	SET Pack	Display stand	Branding

Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
030705000	FUGO 5 set + ELITA1	4,5 x 60 mm stainless steel	PU 200 PCS	9009941017109	1,530 kg	7318 12 10
030705001	FUGO 8 set + ELITA1	4,5 x 60 mm stainless steel	PU 200 PCS	9009941017116	1,590 kg	7318 12 10
030705002	FUGO 12 set + ELITA1	4,5 x 60 mm stainless steel	PU 200 PCS	9009941017123	1,620 kg	7318 12 10
030805000	FUGO 5 set + ELITA1	4,5 x 70 mm stainless steel	PU 200 PCS	9009941017130	1,670 kg	7318 12 10
030805001	FUGO 8 set + ELITA1	4,5 x 70 mm stainless steel	PU 200 PCS	9009941017147	1,710 kg	7318 12 10
030805002	FUGO 12 set + ELITA1	4,5 x 70 mm stainless steel	PU 200 PCS	9009941017154	1,750 kg	7318 12 10

Every package contains 200 pcs FUGO + 200 pcs ELITA1 and instructions

Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
017405000	FUGO 5 set + ELITA2	4,5 x 60 mm stainless steel A2 (1.4567),	PU 200 PCS	9009941016645	1,530 kg	7318 12 10
017405001	FUGO 8 set + ELITA2	4,5 x 60 mm stainless steel A2 (1.4567)	PU 200 PCS	9009941016669	1,590 kg	7318 12 10
017405002	FUGO 12 set + ELITA2	4,5 x 60 mm stainless steel A2 (1.4567)	PU 200 PCS	9009941016676	1,620 kg	7318 12 10
017505000	FUGO 5 set + ELITA2	4,5 x 70 mm stainless steel A2 (1.4567)	PU 200 PCS	9009941016706	1,670 kg	7318 12 10
017505001	FUGO 8 set + ELITA2	4,5 x 70 mm stainless steel A2 (1.4567)	PU 200 PCS	9009941016720	1,710 kg	7318 12 10
017505002	FUGO 12 set + ELITA2	4,5 x 70 mm stainless steel A2 (1.4567)	PU 200 PCS	9009941016744	1,750 kg	7318 12 10

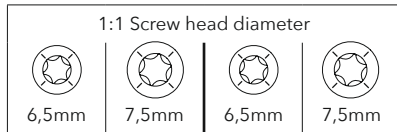
Every package contains 200 pcs FUGO + 200 pcs ELITA2 and instructions



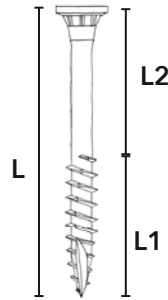
ELITA

DECKING SCREW
FACADE SCREW





Dimension [mm]			ELITA1		ELITA2	
L	L1	L2	Ø 4,5	Ø 5,0	Ø 4,5	Ø 5,0
50	28	22	■	■	■	■
60	34	26	■	■	■	■
70	40	30	■	■	■	■
80	44	36	■	■	■	■
Drive			TX20	TX25	TX20	TX25



FEATURES

Datasheet	Tips & Tricks	Video	Display stand	Branding	Stainless steel

Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
030602000	ELITA1 4,5 x 50 mm, facade screw	stainless steel, partial thread, TX20	PU 150 PCS	9009941013699	0,504 kg	7318 12 10
030603000	ELITA1 4,5 x 50 mm, facade screw	stainless steel, partial thread, TX20	PU 300 PCS	9009941013712	0,992 kg	7318 12 10
030702000	ELITA1 4,5 x 60 mm, facade screw	stainless steel, partial thread, TX20	PU 150 PCS	9009941013750	0,601 kg	7318 12 10
030703000	ELITA1 4,5 x 60 mm, facade screw	stainless steel, partial thread, TX20	PU 300 PCS	9009941013774	1,178 kg	7318 12 10
030802000	ELITA1 4,5 x 70 mm, facade screw	stainless steel, partial thread, TX20	PU 150 PCS	9009941013811	0,688 kg	7318 12 10
030803000	ELITA1 4,5 x 70 mm, facade screw	stainless steel, partial thread, TX20	PU 300 PCS	9009941013835	1,361 kg	7318 12 10
030902000	ELITA1 4,5 x 80 mm, facade screw	stainless steel, partial thread, TX20	PU 150 PCS	9009941013873	0,777 kg	7318 12 10
030903000	ELITA1 4,5 x 80 mm, facade screw	stainless steel, partial thread, TX20	PU 300 PCS	9009941013897	1,470 kg	7318 12 10
031202000	ELITA1 5,0 x 50 mm, decking screw	stainless steel, partial thread, TX25	PU 100 PCS	9009941012913	0,430 kg	7318 12 10
031203000	ELITA1 5,0 x 50 mm, decking screw	stainless steel, partial thread, TX25	PU 200 PCS	9009941005755	0,860 kg	7318 12 10
031302000	ELITA1 5,0 x 60 mm, decking screw	stainless steel, partial thread, TX25	PU 100 PCS	9009941012944	0,510 kg	7318 12 10
031303000	ELITA1 5,0 x 60 mm, decking screw	stainless steel, partial thread, TX25	PU 200 PCS	9009941005762	1,000 kg	7318 12 10
031402000	ELITA1 5,0 x 70 mm, decking screw	stainless steel, partial thread, TX25	PU 100 PCS	9009941012968	0,600 kg	7318 12 10
031403000	ELITA1 5,0 x 70 mm, decking screw	stainless steel, partial thread, TX25	PU 200 PCS	9009941013002	1,190 kg	7318 12 10
031502000	ELITA1 5,0 x 80 mm, decking screw	stainless steel, partial thread, TX25	PU 100 PCS	9009941012982	0,680 kg	7318 12 10
031503000	ELITA1 5,0 x 80 mm, decking screw	stainless steel, partial thread, TX25	PU 200 PCS	9009941013026	1,300 kg	7318 12 10

Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
€ 017302000	ELITA2 4,5 x 50 mm, facade screw	stainless steel A2 (1.4567), partial thread, TX20	PU 150 PCS	9009941015587	0,504 kg	7318 12 10
€ 017303000	ELITA2 4,5 x 50 mm, facade screw	stainless steel A2 (1.4567), partial thread, TX20	PU 300 PCS	9009941015594	0,992 kg	7318 12 10
€ 017402000	ELITA2 4,5 x 60 mm, facade screw	stainless steel A2 (1.4567), partial thread, TX20	PU 150 PCS	9009941015600	0,601 kg	7318 12 10
€ 017403000	ELITA2 4,5 x 60 mm, facade screw	stainless steel A2 (1.4567), partial thread, TX20	PU 300 PCS	9009941015617	1,178 kg	7318 12 10
€ 017502000	ELITA2 4,5 x 70 mm, facade screw	stainless steel A2 (1.4567), partial thread, TX20	PU 150 PCS	9009941015624	0,688 kg	7318 12 10
€ 017503000	ELITA2 4,5 x 70 mm, facade screw	stainless steel A2 (1.4567), partial thread, TX20	PU 300 PCS	9009941015631	1,361 kg	7318 12 10
€ 018002000	ELITA2 5,0 x 50 mm, decking screw	stainless steel A2 (1.4567), partial thread, TX25	PU 100 PCS	9009941015648	0,430 kg	7318 12 10
€ 018003000	ELITA2 5,0 x 50 mm, decking screw	stainless steel A2 (1.4567), partial thread, TX25	PU 200 PCS	9009941015655	0,844 kg	7318 12 10
€ 018102000	ELITA2 5,0 x 60 mm, decking screw	stainless steel A2 (1.4567), partial thread, TX25	PU 100 PCS	9009941015662	0,510 kg	7318 12 10
€ 018103000	ELITA2 5,0 x 60 mm, decking screw	stainless steel A2 (1.4567), partial thread, TX25	PU 200 PCS	9009941015679	1,022 kg	7318 12 10
€ 018202000	ELITA2 5,0 x 70 mm, decking screw	stainless steel A2 (1.4567), partial thread, TX25	PU 100 PCS	9009941015686	0,600 kg	7318 12 10
€ 018203000	ELITA2 5,0 x 70 mm, decking screw	stainless steel A2 (1.4567), partial thread, TX25	PU 200 PCS	9009941015693	1,190 kg	7318 12 10
€ 018302000	ELITA2 5,0 x 80 mm, decking screw	stainless steel A2 (1.4567), partial thread, TX25	PU 100 PCS	9009941015709	0,680 kg	7318 12 10
€ 018303000	ELITA2 5,0 x 80 mm, decking screw	stainless steel A2 (1.4567), partial thread, TX25	PU 200 PCS	9009941015716	1,300 kg	7318 12 10

Individual assorted sets possible on request.



ELITA DETAILS

The **ELITA** stainless steel screws are specifically designed to securely mount wood or wood-like decking or facade boards in demanding exterior applications where visual quality is paramount.

Direct visible fastening of decking boards enables rapid installation and easy replacement of individual boards.

Depending on the facade board design the ELITA 4,5 mm can be used for concealed or visibly mounting of the boards.

The geometry of the countersunk screw head has 3 steps which permit a perfect precise flush finish.

The ELITA partially threaded screw is especially equipped with integrated cutting notches and a passive wax coating for increased installation performance which enhances screw drive and reduces torque resistance. This substitutes the need for conventional shank milling ribs prone to shearing.

The notched screw tip ensures precise positioning, fast biting and reduces the risk of splitting effects in the wood.

Depending on the wood specie - especially hardwoods where screw holes should be pre-drilled and countersunk. This will reduce the torsional forces acting on the screw and increase the stability when installed.

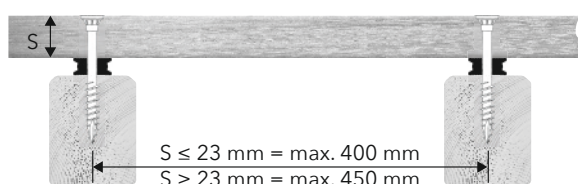
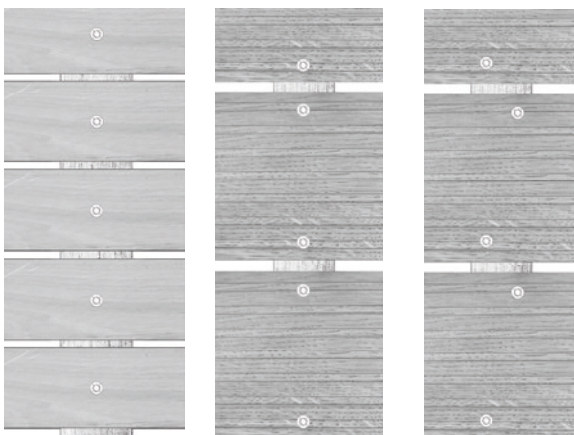
ELITA1 stainless steel:

The high torque drive stainless steel screw for demanding screw connections.

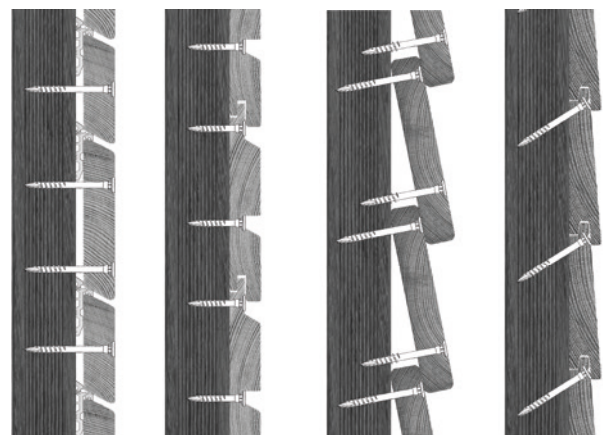
ELITA2 stainless steel A2 (1.4567) CE :

The flex responsive stainless-steel screw for wood species with increased swelling and shrinking properties.

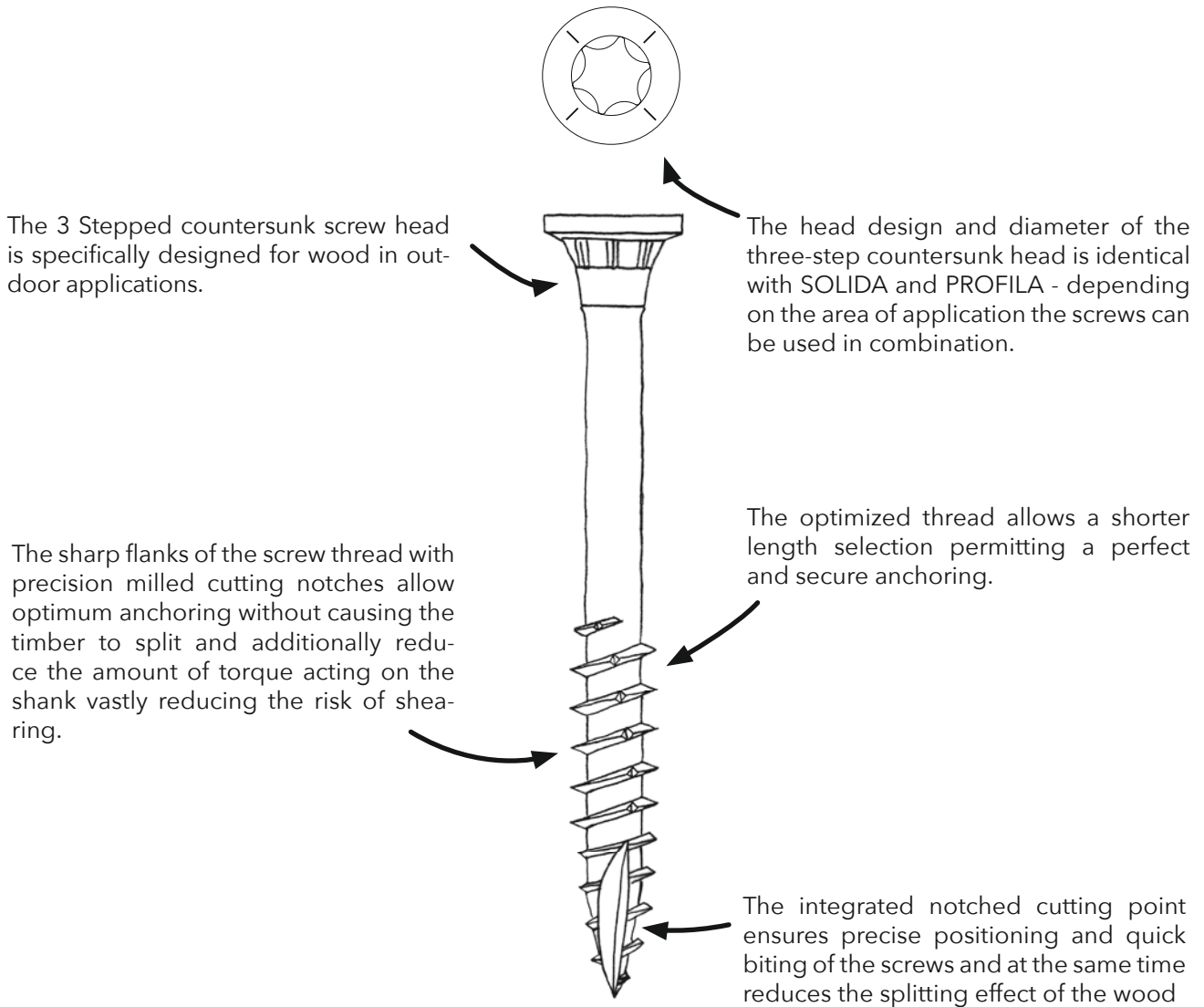
APPLICATION EXAMPLE TERRACE



APPLICATION EXAMPLE FACADE



ELITA HIGHLIGHTS



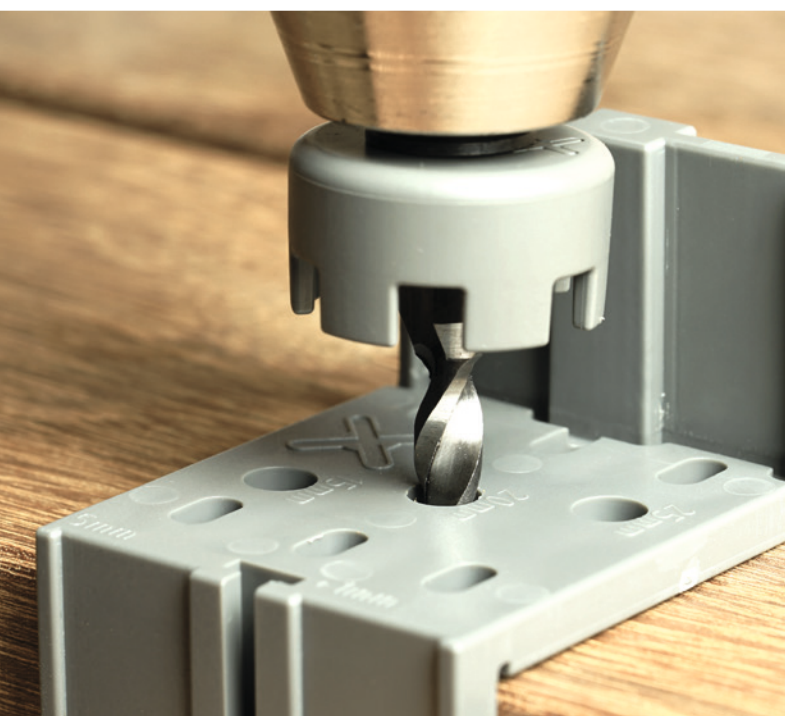
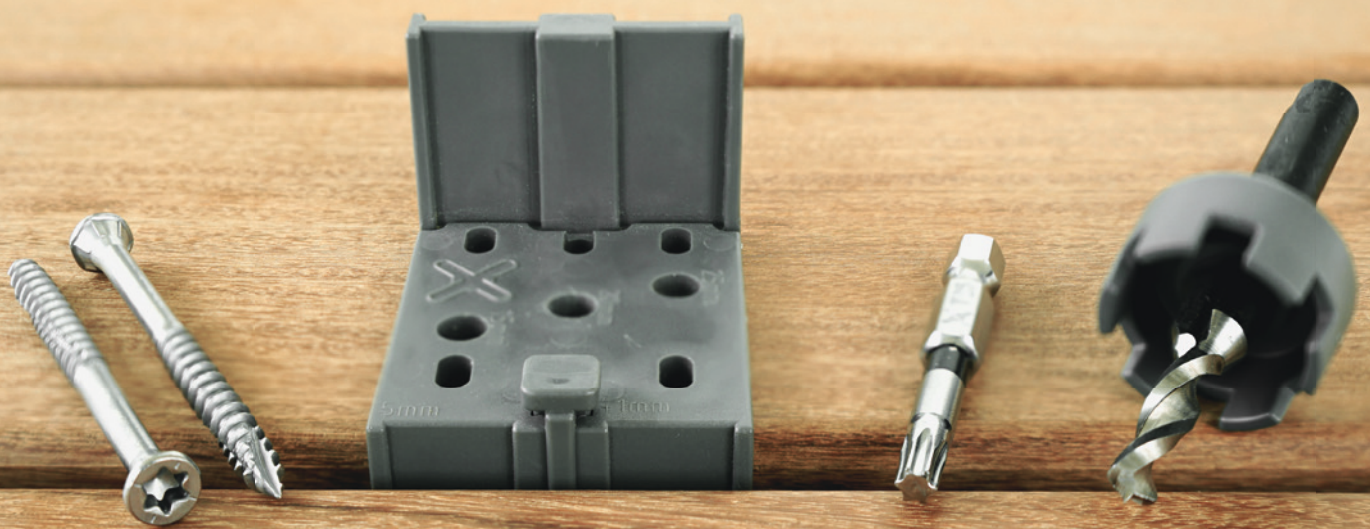
OVERVIEW

Length:	50 - 80 mm
Diameter:	4,5 mm and 5,0 mm
Screw head type:	3 stepped countersunk
Screw drive:	TX 20 TX 25
Screw point:	Intergrated notched cutting point
Material:	Hardened stainless steel Stainless steel A2 (1.4567) €
Special feature:	Head identical to SOLIDA and PROFILA





ELITA SET

STAINLESS STEEL SCREWS
+ INSTALLATION TOOL SET



	ELITA	HELPO Assembly aid	HELPO Bit 50 mm TX 25	HELPO Countersink tool
CONTENTS				
QUANTITY	600 Pieces	2 Pieces - INCLUDED	1 Piece - INCLUDED	1 Piece - INCLUDED
DETAILS	The decking screw with the perfect screw head finish.	The little helper for precise joint spacing and accurate drilling.	A 50 mm bit length ensures a simple and precise handling.	The multi-tool which can pre-drill and countersink in one motion.

FEATURES						
						
Datashet	Tips & Tricks	Video	SET Pack	Display stand	Branding	Stainless steel

Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
031205000	ELITA1 5,0 x 50 mm set	stainless steel, partial thread, TX25	PU 600 PCS	9009941012937	2,700 kg	7318 12 10
031305000	ELITA1 5,0 x 60 mm set	stainless steel, partial thread, TX25	PU 600 PCS	9009941006042	3,150 kg	7318 12 10
031405000	ELITA1 5,0 x 70 mm set	stainless steel, partial thread, TX25	PU 600 PCS	9009941013064	3,600 kg	7318 12 10
031505000	ELITA1 5,0 x 80 mm set	stainless steel, partial thread, TX25	PU 600 PCS	9009941013095	4,000 kg	7318 12 10

Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
CE 018005000	ELITA2 5,0 x 50 mm set	stainless steel A2 (1.4567), partial thread, TX25	PU 600 PCS	9009941016782	2,700 kg	7318 12 10
CE 018105000	ELITA2 5,0 x 60 mm set	stainless steel A2 (1.4567), partial thread, TX25	PU 600 PCS	9009941016812	3,150 kg	7318 12 10
CE 018205000	ELITA2 5,0 x 70 mm set	stainless steel A2 (1.4567), partial thread, TX25	PU 600 PCS	9009941016843	3,600 kg	7318 12 10
CE 018305000	ELITA2 5,0 x 80 mm set	stainless steel A2 (1.4567), partial thread, TX25	PU 600 PCS	9009941016874	4,000 kg	7318 12 10

Included in every package are 1 Pcs HELPO Countersink tool, 2 Pcs HELPO Assembly aid and 1 Pcs HELPO Bit TX25 black 50 mm



SOLIDA

STAINLESS STEEL
SELF-TAPPING SCREWS

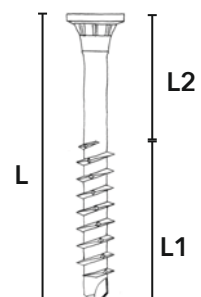




FEATURES

- Datasheet
- Tips & Tricks
- Video
- Display stand
- Branding
- Stainless steel

Dimension [mm]			1:1 Screw head diameter				
			5,0mm	6,0mm	6,5mm	7,5mm	7,5mm
L	L1	L2	SOLIDA1				A4
			Ø 3,2	Ø 4,0	Ø 4,5	Ø 5,0	Ø 5,5
25	16	9	■				
30	18	12	■	■			
35	21	14	■	■			
40	24	16	■	■	■	■	
45	26	19		■	■		
50	28	22	■	■	■	■	■
60	34	26	■	■	■	■	■
70	40	30			■	■	
80	44	36				■	
90	50	40				■	
100	55	45				■	
Drive			TX10	TX20	TX20	TX25	TX25



SOLIDA DETAILS

SOLIDA stainless steel self-tapping screws cover a very wide range of exterior mounting installation applications for wood or wood like materials due to the availability of different dimensions.

Direct visible fastening or concealed reverse side wood to wood mounting is possible due to the integrated self-tapping point which delivers reduced splitting effects.

The countersunk screw head has 3 steps which permit a perfect precise flush finish, additionally the partially threaded screw is especially equipped with integrated cutting notches and a passive wax coating for increased installation performance which enhances screw drive and reduces torque resistance. This substitutes the need for conventional shank milling ribs prone to shearing.

Depending on the wood specie - especially hardwoods where screw holes should be pre-drilled and countersunk. This will reduce the torsional forces acting on the screw and increase the stability when installed.

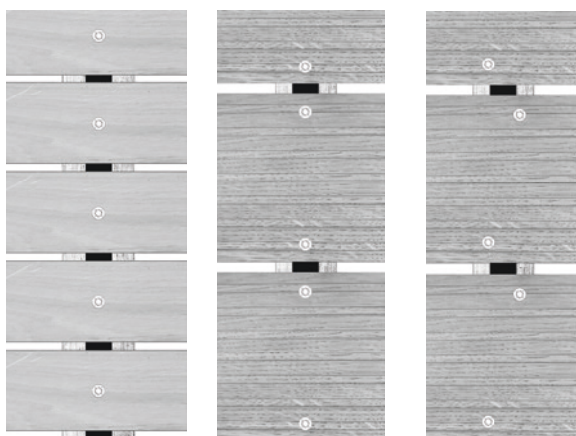
SOLIDA1 Stainless steel, hardened:

The high-breaking torque stainless steel self-tapping screw for universal applications.

SOLIDA4 Stainless steel A4 1.4401 CE:

The stainless steel self-tapping screw, with increased corrosion protection, for high-quality fastenings to wood or aluminium substructures.

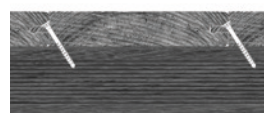
APPLICATION EXAMPLE



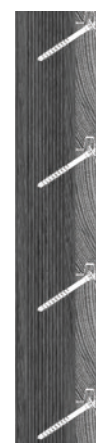
SOLIDA 5,0 and 5,5 mm
e.g. Decking board fixation



SOLIDA 4,0 mm, e.g. Edging,
cover, finishing moulding fixation



SOLIDA 3,2 mm, e.g. Tongue
and groove, delicate fixation

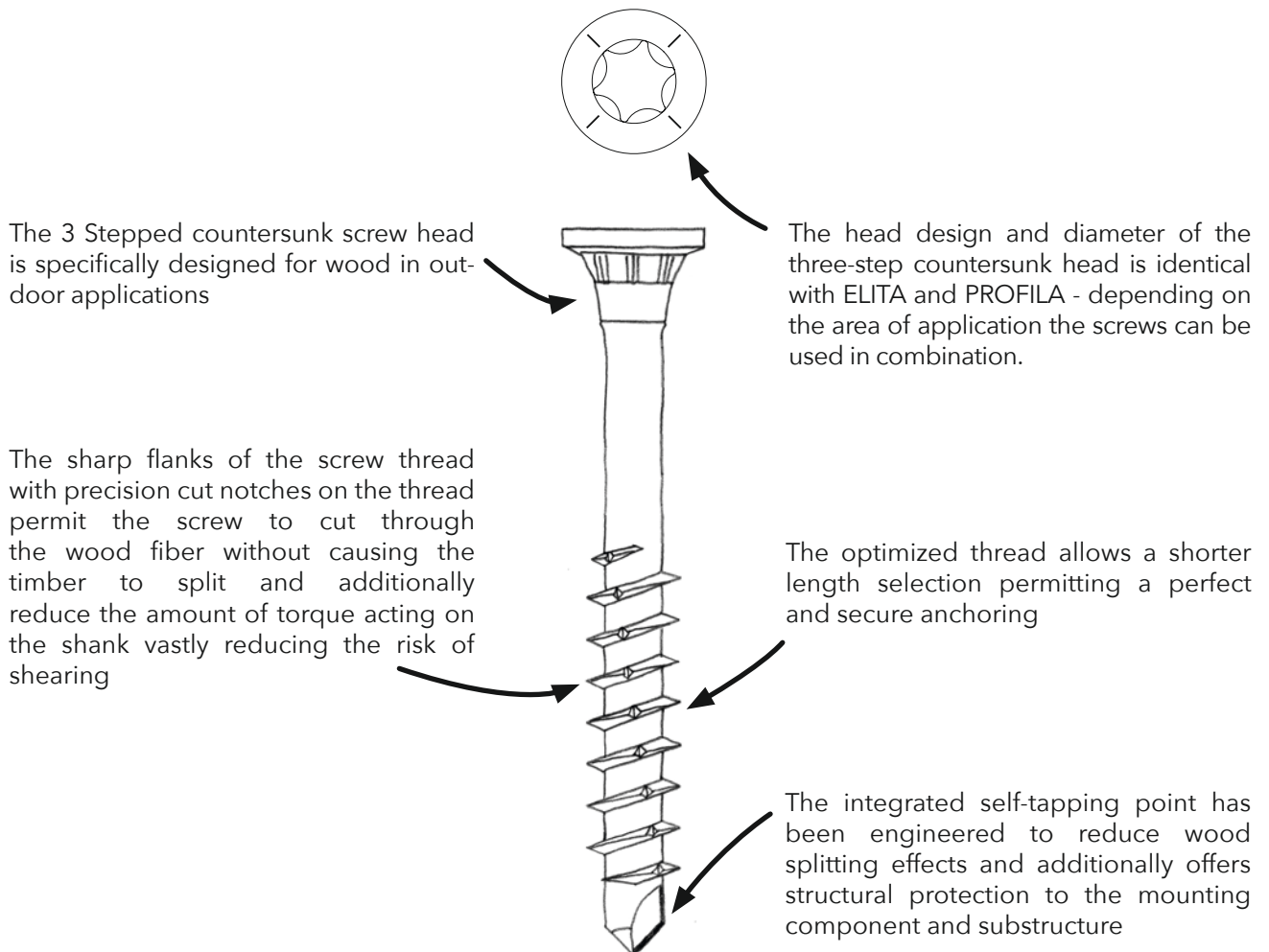


SOLIDA 4,5 mm
e.g. Facade, cladding
and siding fixation



concealed reverse
side fixation

SOLIDA HIGHLIGHTS



OVERVIEW

Length:	25 - 100 mm
Diameter:	3,2 - 5,5 mm
Screw head type:	3 stepped countersunk
Screw drive:	TX
Screw point:	integrated self-tapping point
Material:	hardened stainless steel
	Stainless steel A4 1.4401 CE
Special feature:	Head identical to ELITA and PROFILA



SOLIDA1

Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
000102000	SOLIDA1 3,2 x 25 mm, self-tapping screw	stainless steel, partial thread, TX10	PU 250 PCS	9009941000071	0,269 kg	7318 14 10
000103000	SOLIDA1 3,2 x 25 mm, self-tapping screw	stainless steel, partial thread, TX10	PU 500 PCS	9009941000743	0,518 kg	7318 14 10
000202000	SOLIDA1 3,2 x 30 mm, self-tapping screw	stainless steel, partial thread, TX10	PU 250 PCS	9009941000095	0,311 kg	7318 14 10
000203000	SOLIDA1 3,2 x 30 mm, self-tapping screw	stainless steel, partial thread, TX10	PU 500 PCS	9009941000798	0,610 kg	7318 14 10
000302000	SOLIDA1 3,2 x 35 mm, self-tapping screw	stainless steel, partial thread, TX10	PU 250 PCS	9009941000118	0,360 kg	7318 14 10
000303000	SOLIDA1 3,2 x 35 mm, self-tapping screw	stainless steel, partial thread, TX10	PU 500 PCS	9009941000842	0,700 kg	7318 14 10
000402000	SOLIDA1 3,2 x 40 mm, self-tapping screw	stainless steel, partial thread, TX10	PU 250 PCS	9009941001276	0,400 kg	7318 14 10
000403000	SOLIDA1 3,2 x 40 mm, self-tapping screw	stainless steel, partial thread, TX10	PU 500 PCS	9009941001733	0,793 kg	7318 14 10
000502000	SOLIDA1 3,2 x 50 mm, self-tapping screw	stainless steel, partial thread, TX10	PU 250 PCS	9009941001283	0,495 kg	7318 14 10
000503000	SOLIDA1 3,2 x 50 mm, self-tapping screw	stainless steel, partial thread, TX10	PU 500 PCS	9009941001788	0,968 kg	7318 14 10
000602000	SOLIDA1 3,2 x 60 mm, self-tapping screw	stainless steel, partial thread, TX10	PU 250 PCS	9009941001290	0,588 kg	7318 14 10
000603000	SOLIDA1 3,2 x 60 mm, self-tapping screw	stainless steel, partial thread, TX10	PU 500 PCS	9009941001832	1,150 kg	7318 14 10

Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
000702001	SOLIDA1 4,0 x 30 mm, self-tapping screw	stainless steel, partial thread, TX20	PU 250 PCS	9009941002211	0,433 kg	7318 14 10
000703001	SOLIDA1 4,0 x 30 mm, self-tapping screw	stainless steel, partial thread, TX20	PU 500 PCS	9009941002167	0,850 kg	7318 14 10
000802001	SOLIDA1 4,0 x 35 mm, self-tapping screw	stainless steel, partial thread, TX20	PU 250 PCS	9009941002266	0,486 kg	7318 14 10
000803001	SOLIDA1 4,0 x 35 mm, self-tapping screw	stainless steel, partial thread, TX20	PU 500 PCS	9009941002518	0,955 kg	7318 14 10
000902002	SOLIDA1 4,0 x 40 mm, self-tapping screw	stainless steel, partial thread, TX20	PU 250 PCS	9009941002464	0,559 kg	7318 14 10
000903001	SOLIDA1 4,0 x 40 mm, self-tapping screw	stainless steel, partial thread, TX20	PU 500 PCS	9009941002419	1,100 kg	7318 14 10
001002001	SOLIDA1 4,0 x 45 mm, self-tapping screw	stainless steel, partial thread, TX20	PU 250 PCS	9009941003065	0,613 kg	7318 14 10
001003001	SOLIDA1 4,0 x 45 mm, self-tapping screw	stainless steel, partial thread, TX20	PU 500 PCS	9009941003010	1,210 kg	7318 14 10
001102001	SOLIDA1 4,0 x 50 mm, self-tapping screw	stainless steel, partial thread, TX20	PU 250 PCS	9009941002914	0,669 kg	7318 14 10
001103001	SOLIDA1 4,0 x 50 mm, self-tapping screw	stainless steel, partial thread, TX20	PU 500 PCS	9009941002860	1,321 kg	7318 14 10
001302001	SOLIDA1 4,0 x 60 mm, self-tapping screw	stainless steel, partial thread, TX20	PU 250 PCS	9009941003416	0,800 kg	7318 14 10
001303002	SOLIDA1 4,0 x 60 mm, self-tapping screw	stainless steel, partial thread, TX20	PU 500 PCS	9009941003461	1,584 kg	7318 14 10

Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
001402000	SOLIDA1 4,5 x 40 mm, self-tapping screw	stainless steel, partial thread, TX20	PU 150 PCS	9009941001382	0,419 kg	7318 14 10
001403000	SOLIDA1 4,5 x 40 mm, self-tapping screw	stainless steel, partial thread, TX20	PU 300 PCS	9009941002228	0,822 kg	7318 14 10
001502000	SOLIDA1 4,5 x 45 mm, self-tapping screw	stainless steel, partial thread, TX20	PU 150 PCS	9009941001399	0,461 kg	7318 14 10
001503000	SOLIDA1 4,5 x 45 mm, self-tapping screw	stainless steel, partial thread, TX20	PU 300 PCS	9009941002273	0,908 kg	7318 14 10
001602000	SOLIDA1 4,5 x 50 mm, self-tapping screw	stainless steel, partial thread, TX20	PU 150 PCS	9009941001405	0,504 kg	7318 14 10
001603000	SOLIDA1 4,5 x 50 mm, self-tapping screw	stainless steel, partial thread, TX20	PU 300 PCS	9009941002327	0,992 kg	7318 14 10
001802000	SOLIDA1 4,5 x 60 mm, self-tapping screw	stainless steel, partial thread, TX20	PU 150 PCS	9009941001429	0,601 kg	7318 14 10
001803000	SOLIDA1 4,5 x 60 mm, self-tapping screw	stainless steel, partial thread, TX20	PU 300 PCS	9009941002426	1,178 kg	7318 14 10
002002000	SOLIDA1 4,5 x 70 mm, self-tapping screw	stainless steel, partial thread, TX20	PU 150 PCS	9009941001443	0,688 kg	7318 14 10
002003000	SOLIDA1 4,5 x 70 mm, self-tapping screw	stainless steel, partial thread, TX20	PU 300 PCS	9009941002525	1,361 kg	7318 14 10

Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
002102000	SOLIDA1 5,0 x 40 mm, self-tapping screw	stainless steel, partial thread, TX25	PU 100 PCS	9009941001450	0,369 kg	7318 14 10
002103000	SOLIDA1 5,0 x 40 mm, self-tapping screw	stainless steel, partial thread, TX25	PU 200 PCS	9009941002570	0,722 kg	7318 14 10
002302000	SOLIDA1 5,0 x 50 mm, self-tapping screw	stainless steel, partial thread, TX25	PU 100 PCS	9009941001474	0,439 kg	7318 14 10
002303000	SOLIDA1 5,0 x 50 mm, self-tapping screw	stainless steel, partial thread, TX25	PU 200 PCS	9009941002679	0,862 kg	7318 14 10
002502000	SOLIDA1 5,0 x 60 mm, self-tapping screw	stainless steel, partial thread, TX25	PU 100 PCS	9009941001498	0,519 kg	7318 14 10
002503000	SOLIDA1 5,0 x 60 mm, self-tapping screw	stainless steel, partial thread, TX25	PU 200 PCS	9009941002778	1,022 kg	7318 14 10
002702000	SOLIDA1 5,0 x 70 mm, self-tapping screw	stainless steel, partial thread, TX25	PU 100 PCS	9009941001511	0,606 kg	7318 14 10
002703000	SOLIDA1 5,0 x 70 mm, self-tapping screw	stainless steel, partial thread, TX25	PU 200 PCS	9009941002877	1,195 kg	7318 14 10
002802000	SOLIDA1 5,0 x 80 mm, self-tapping screw	stainless steel, partial thread, TX25	PU 100 PCS	9009941001528	0,680 kg	7318 14 10
002803000	SOLIDA1 5,0 x 80 mm, self-tapping screw	stainless steel, partial thread, TX25	PU 200 PCS	9009941002921	1,335 kg	7318 14 10
002902000	SOLIDA1 5,0 x 90 mm, self-tapping screw	stainless steel, partial thread, TX25	PU 100 PCS	9009941001535	0,768 kg	7318 14 10
002903000	SOLIDA1 5,0 x 90 mm, self-tapping screw	stainless steel, partial thread, TX25	PU 200 PCS	9009941002976	1,520 kg	7318 14 10
003002000	SOLIDA1 5,0 x 100 mm, self-tapping screw	stainless steel, partial thread, TX25	PU 100 PCS	9009941001542	0,843 kg	7318 14 10
003003000	SOLIDA1 5,0 x 100 mm, self-tapping screw	stainless steel, partial thread, TX25	PU 200 PCS	9009941003027	1,662 kg	7318 14 10

SOLIDA4

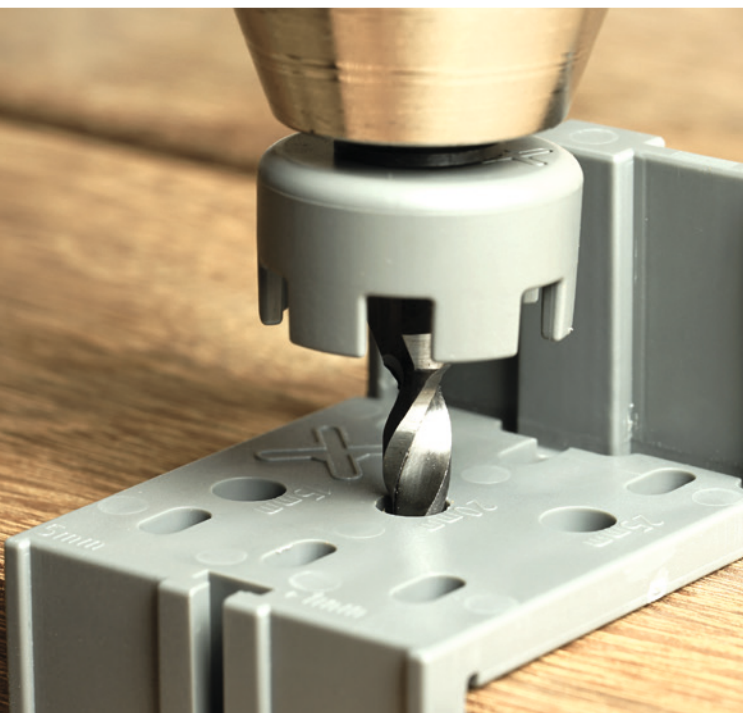
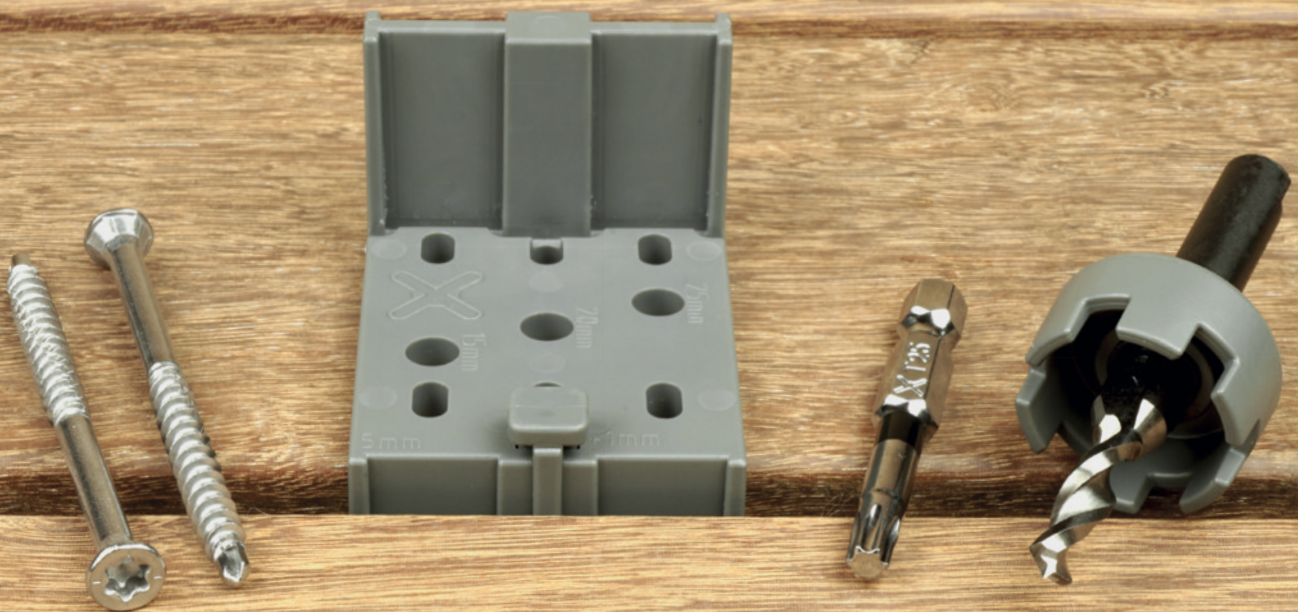
Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
€€ 003802000	SOLIDA4 5,5 x 50 mm, self-tapping screw	stainless steel A4 (1.4401), partial thread, TX25	PU 100 PCS	9009941001610	0,536 kg	7318 14 10
€€ 003803000	SOLIDA4 5,5 x 50 mm, self-tapping screw	stainless steel A4 (1.4401), partial thread, TX25	PU 200 PCS	9009941003423	1,046 kg	7318 14 10
€€ 004002000	SOLIDA4 5,5 x 60 mm, self-tapping screw	stainless steel A4 (1.4401), partial thread, TX25	PU 100 PCS	9009941001634	0,638 kg	7318 14 10
€€ 004003000	SOLIDA4 5,5 x 60 mm, self-tapping screw	stainless steel A4 (1.4401), partial thread, TX25	PU 200 PCS	9009941003522	1,261 kg	7318 14 10

Individual assorted sets possible on request.







SOLIDASET

STAINLESS STEEL SELF-TAPPING
SCREWS + INSTALLATION SET



	SOLIDA	HELPO Assembly aid	HELPO Bit 50 mm TX25	HELPO Countersink tool
CONTENTS				
QUANTITY	600 Pieces	2 Pieces - INCLUDED	1 Piece - INCLUDED	1 Piece - INCLUDED
DETAILS	The Stainless steel decking screw with the perfect screw head finish.	The little helper for precise joint spacing and accurate drilling.	A 50 mm bit length ensures a simple and precise handling.	The multi-tool which can pre-drill and countersink in one motion.

FEATURES						
						
Datashet	Tips & Tricks	Video	SET Pack	Display stand	Branding	Stainless steel

ProductNo.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
002305003	SOLIDA1 5,0 x 50 mm set	stainless steel, partial thread, TX25	PU 600 PCS	9009941008947	3,910 kg	7318 14 10
002505004	SOLIDA1 5,0 x 60 mm set	stainless steel, partial thread, TX25	PU 600 PCS	9009941008961	4,350 kg	7318 14 10
002705001	SOLIDA1 5,0 x 70 mm set	stainless steel, partial thread, TX25	PU 600 PCS	9009941009784	3,629 kg	7318 14 10
002805001	SOLIDA1 5,0 x 80 mm set	stainless steel, partial thread, TX25	PU 600 PCS	9009941010254	4,023 kg	7318 14 10


Included in every package are 1 Pcs HELPO Contersink tool, 2 Pcs HELPO Assembly aid and 1 Pcs HELPO Bit TX25 black 50 mm

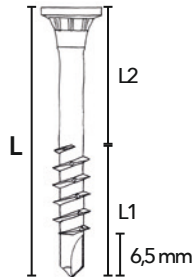


PROFILA








PROFILE SELF-TAPPING SCREW



			1:1 Screw head diameter	
			 7,5mm	
Dimension [mm]			PROFILA1	PROFILA2
L	L1	L2	Ø 5,5	Ø 5,5
35	30	5	■	■
40	30	10	■	■
45	30	15	■	■
50	30	20	■	■
55	30	25	■	■
60	30	30	■	■
65	30	35	■	■
Drive			TX25	TX25



PROFILA

FEATURES						
						
Datasheet	Tips & Tricks	Video	Display stand	Branding	Stainless steel	Instructions

Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
004302000	PROFILA1 5,5x35 mm, profiled self-tapping screw	stainless steel, partial thread, TX25	PU 100 PCS	9009941001665	0,371 kg	7318 14 10
004303000	PROFILA1 5,5x35 mm, profiled self-tapping screw	stainless steel, partial thread, TX25	PU 200 PCS	9009941003676	0,724 kg	7318 14 10
004402000	PROFILA1 5,5x40 mm, profiled self-tapping screw	stainless steel, partial thread, TX25	PU 100 PCS	9009941001672	0,418 kg	7318 14 10
004403000	PROFILA1 5,5x40 mm, profiled self-tapping screw	stainless steel, partial thread, TX25	PU 200 PCS	9009941003720	0,822 kg	7318 14 10
004502000	PROFILA1 5,5x45 mm, profiled self-tapping screw	stainless steel, partial thread, TX25	PU 100 PCS	9009941001689	0,465 kg	7318 14 10
004503000	PROFILA1 5,5x45 mm, profiled self-tapping screw	stainless steel, partial thread, TX25	PU 200 PCS	9009941003775	0,914 kg	7318 14 10
004602000	PROFILA1 5,5x50 mm, profiled self-tapping screw	stainless steel, partial thread, TX25	PU 100 PCS	9009941001696	0,510 kg	7318 14 10
004603000	PROFILA1 5,5x50 mm, profiled self-tapping screw	stainless steel, partial thread, TX25	PU 200 PCS	9009941003829	1,005 kg	7318 14 10
004702000	PROFILA1 5,5x55 mm, profiled self-tapping screw	stainless steel, partial thread, TX25	PU 100 PCS	9009941001702	0,557 kg	7318 14 10
004703000	PROFILA1 5,5x55 mm, profiled self-tapping screw	stainless steel, partial thread, TX25	PU 200 PCS	9009941003874	1,098 kg	7318 14 10
004802000	PROFILA1 5,5x60 mm, profiled self-tapping screw	stainless steel, partial thread, TX25	PU 100 PCS	9009941001719	0,611 kg	7318 14 10
004803000	PROFILA1 5,5x60 mm, profiled self-tapping screw	stainless steel, partial thread, TX25	PU 200 PCS	9009941003928	1,208 kg	7318 14 10
004902000	PROFILA1 5,5x65 mm, profiled self-tapping screw	stainless steel, partial thread, TX25	PU 100 PCS	9009941001726	0,670 kg	7318 14 10
004903000	PROFILA1 5,5x65 mm, profiled self-tapping screw	stainless steel, partial thread, TX25	PU 200 PCS	9009941003973	1,322 kg	7318 14 10

Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
CE 019020000	PROFILA2 5,5 x 35 mm, profiled self-tapping screw	stainless steel A2 (1.4567), partial thread, TX25	PU 100 PCS	9009941015440	0,371 kg	7318 14 10
CE 019030000	PROFILA2 5,5 x 35 mm, profiled self-tapping screw	stainless steel A2 (1.4567), partial thread, TX25	PU 200 PCS	9009941015457	0,724 kg	7318 14 10
CE 019102000	PROFILA2 5,5 x 40 mm, profiled self-tapping screw	stainless steel A2 (1.4567), partial thread, TX25	PU 100 PCS	9009941015464	0,418 kg	7318 14 10
CE 019103000	PROFILA2 5,5 x 40 mm, profiled self-tapping screw	stainless steel A2 (1.4567), partial thread, TX25	PU 200 PCS	9009941015471	0,822 kg	7318 14 10
CE 019202000	PROFILA2 5,5 x 45 mm, profiled self-tapping screw	stainless steel A2 (1.4567), partial thread, TX25	PU 100 PCS	9009941015488	0,465 kg	7318 14 10
CE 019203000	PROFILA2 5,5 x 45 mm, profiled self-tapping screw	stainless steel A2 (1.4567), partial thread, TX25	PU 200 PCS	9009941015495	0,914 kg	7318 14 10
CE 019302000	PROFILA2 5,5 x 50 mm, profiled self-tapping screw	stainless steel A2 (1.4567), partial thread, TX25	PU 100 PCS	9009941015501	0,510 kg	7318 14 10
CE 019303000	PROFILA2 5,5 x 50 mm, profiled self-tapping screw	stainless steel A2 (1.4567), partial thread, TX25	PU 200 PCS	9009941015518	1,005 kg	7318 14 10
CE 019402000	PROFILA2 5,5 x 55 mm, profiled self-tapping screw	stainless steel A2 (1.4567), partial thread, TX25	PU 100 PCS	9009941015525	0,557 kg	7318 14 10
CE 019403000	PROFILA2 5,5 x 55 mm, profiled self-tapping screw	stainless steel A2 (1.4567), partial thread, TX25	PU 200 PCS	9009941015532	1,098 kg	7318 14 10
CE 019502000	PROFILA2 5,5 x 60 mm, profiled self-tapping screw	stainless steel A2 (1.4567), partial thread, TX25	PU 100 PCS	9009941015549	0,611 kg	7318 14 10
CE 019503000	PROFILA2 5,5 x 60 mm, profiled self-tapping screw	stainless steel A2 (1.4567), partial thread, TX25	PU 200 PCS	9009941015556	1,208 kg	7318 14 10
CE 019602000	PROFILA2 5,5 x 65 mm, profiled self-tapping screw	stainless steel A2 (1.4567), partial thread, TX25	PU 100 PCS	9009941015563	0,670 kg	7318 14 10
CE 019603000	PROFILA2 5,5 x 65 mm, profiled self-tapping screw	stainless steel A2 (1.4567), partial thread, TX25	PU 200 PCS	9009941015570	1,322 kg	7318 14 10

Assembly instructions are included in each packaging unit.



PROFILA DETAILS

PROFILA profile self-tapping screws are suitable for fastening of wood or wood-like materials to aluminium or steel substructures.

The geometry of the countersunk screw head has 3 steps which permit a perfect precise flush finish.

The special self-tapping thread cuts through steel subframes without the need to pre-drill allowing secure anchoring.

The self-tapping point has been specifically designed to penetrate through metal subframes.

PROFILA1 hardened stainless steel: High torque resistance self-tapping screw for demanding screw connections in steel and aluminium.

PROFILA2 Stainless steel A2 1.4567 $\text{C}\epsilon$: The bending-resistant self-tapping screw for high-quality mounting of decking boards to aluminium substructures.

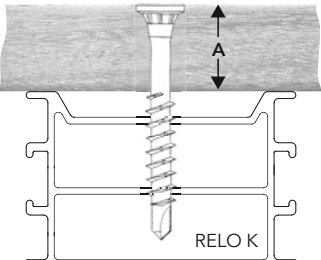


Diagram showing the installation of a PROFILA2 RELO K screw into a wood-like material. The screw is shown with its head flush against the surface. The length of the screw is indicated by 'A'.

A [mm]	L [mm]
1 - 3	35
4 - 8	40
9 - 13	45
14 - 18	50
19 - 23	55
24 - 28	60
29 - 33	65

PROFILA2

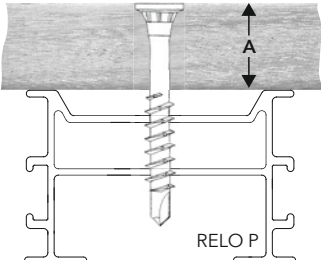


Diagram showing the installation of a PROFILA2 RELO P screw into a wood-like material. The screw is shown with its head flush against the surface. The length of the screw is indicated by 'A'.

A [mm]	L [mm]
1 - 7	35
4 - 12	40
9 - 17	45
14 - 22	50
19 - 27	55
24 - 32	60
29 - 37	65

PROFILA2

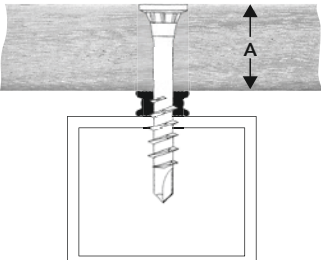


Diagram showing the installation of a PROFILA2 RELO K screw into a wood-like material. The screw is shown with its head flush against the surface. The length of the screw is indicated by 'A'.

A [mm]	L [mm]
1 - 17	35
3 - 22	40
8 - 27	45
13 - 32	50
18 - 37	55
23 - 42	60
28 - 47	65

PROFILA2

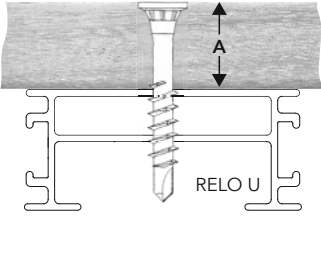


Diagram showing the installation of a PROFILA2 RELO U screw into a wood-like material. The screw is shown with its head flush against the surface. The length of the screw is indicated by 'A'.

A [mm]	L [mm]
9 - 15	35
14 - 20	40
19 - 25	45
24 - 30	50
29 - 35	55
34 - 40	60
39 - 45	65

PROFILA2

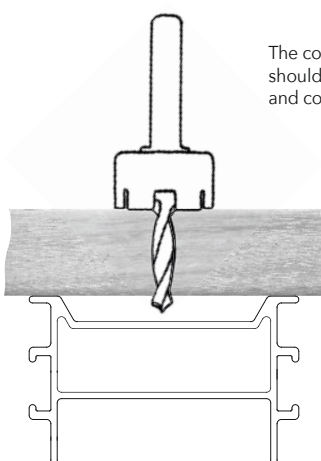


Diagram showing the installation of a PROFILA1 screw into a wood-like material. The screw is shown with its head flush against the surface. The length of the screw is indicated by 'A'.

The component to be mounted should be pre-drilled with $\text{Ø} 5,5 \text{ mm}$ and countersunk

$\text{Ø} 5,5 \text{ mm}$

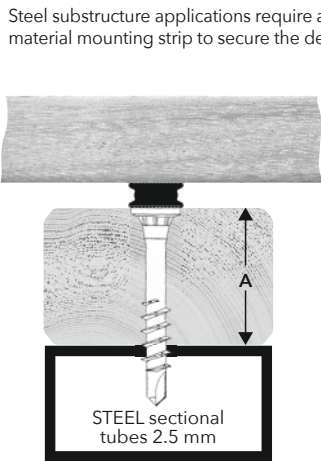


Diagram showing the installation of a PROFILA1 screw into a wood-like material. The screw is shown with its head flush against the surface. The length of the screw is indicated by 'A'.

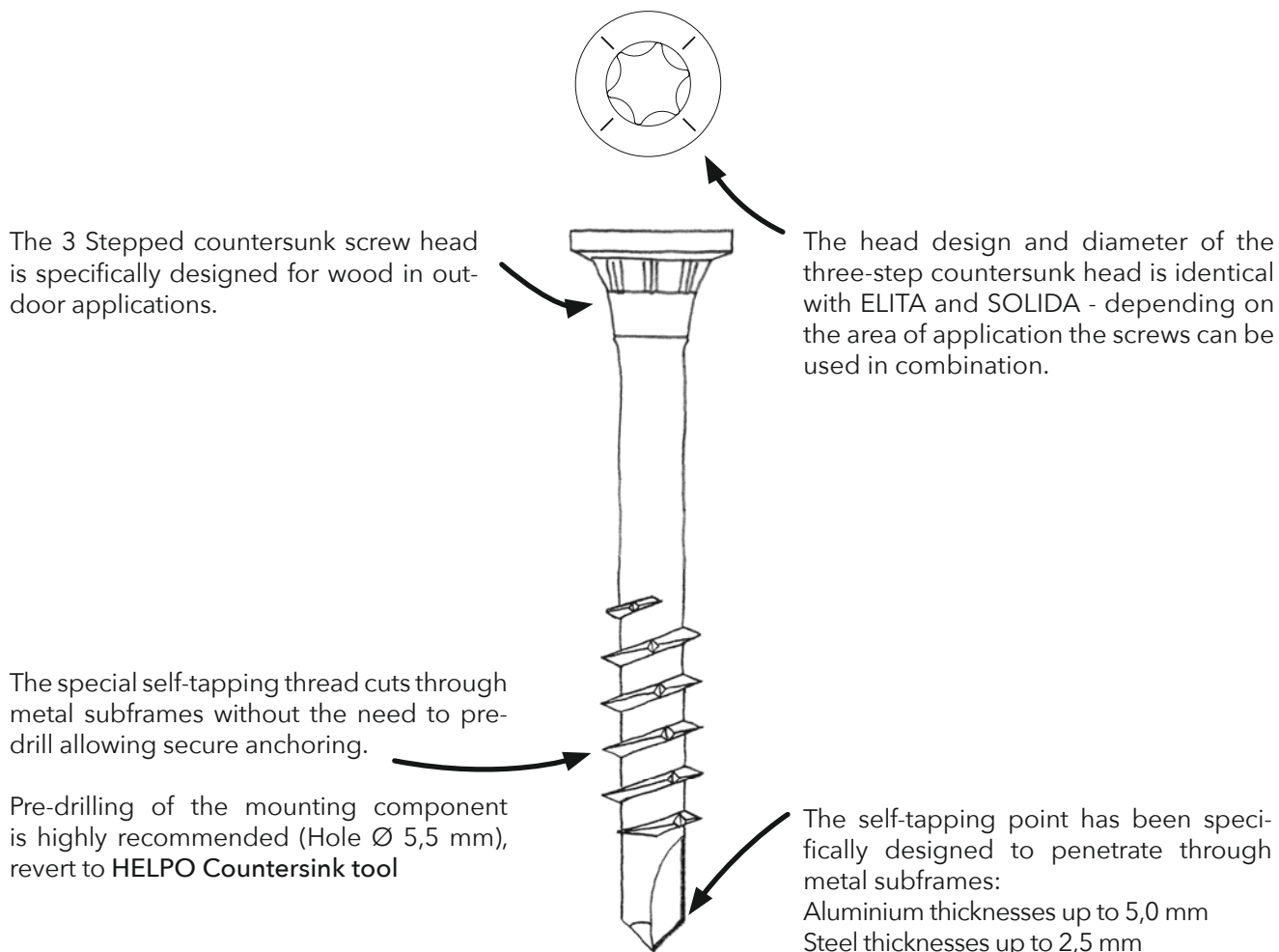
Steel substructure applications require an additional wood or wood like material mounting strip to secure the decking boards.

STEEL sectional tubes 2.5 mm

A [mm]	L [mm]
5 - 24	35
10 - 29	40
15 - 34	45
20 - 39	50
25 - 44	55
30 - 49	60
35 - 54	65

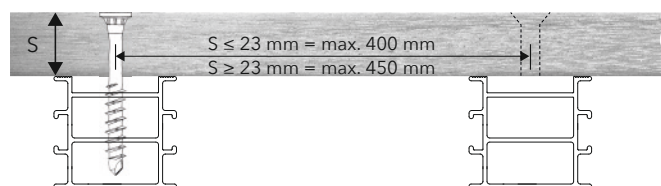
PROFILA1

PROFILA HIGHLIGHTS



OVERVIEW

Length:	35 - 65 mm
Diameter:	5,5 mm
Screw head:	3 stepped countersunk
Screw drive:	TX 25
Screw point:	integrated self-tapping point
Material and drilling capacity:	hardened stainless steel Steel up to 2,5 mm Aluminium up to 5 mm
Material and drilling capacity:	stainless steel A2 1.4567 CE Aluminium up to 3,5 mm
Special feature:	Head geometry identical to ELITA and SOLIDA



BASO





DECKING SPACER





BASO

FEATURES

			
Data sheet	Tips & Tricks	Display stand	Branding

Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
016305000	BASO spacer	joint distance 4 mm	PU 100 PCS	9009941017222	0,550 kg	3926 90 97
016405000	BASO spacer	joint distance 7 mm	PU 100 PCS	9009941017239	0,570 kg	3926 90 97



BASO DETAILS

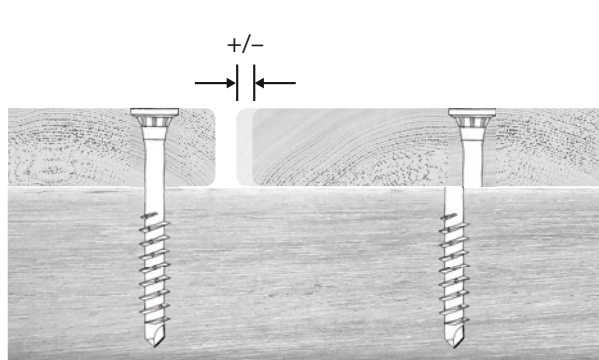
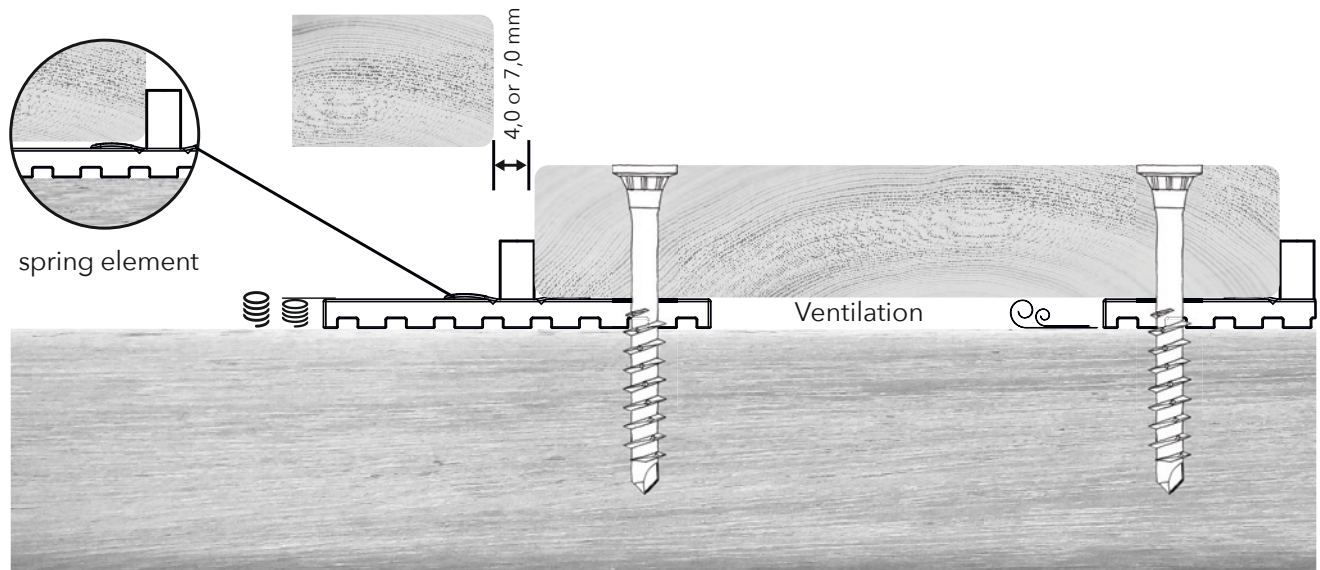
BASO is a distance spacer permitting ventilation, preventing water and dirt accumulation between the decking and the substructure.

The integrated spring elements contribute to a secure connection, prevent noise generation and increase walking comfort.

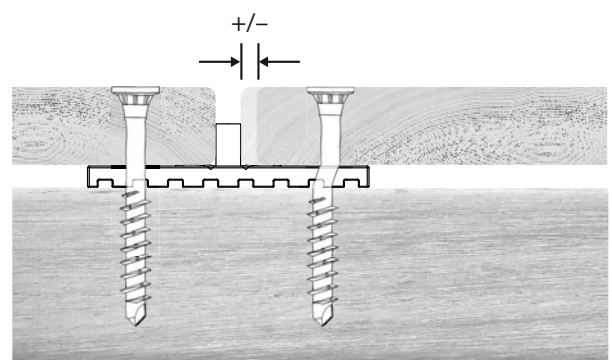
The 6 mm height extension allows screw flexibility thus absorbing the swelling and shrinking effects drastically reducing the risk of shearing.

Specially designed joint spacer guides between the decking boards allow for rapid assembly and absorb swelling movements.

The BASO distance spacer can be modified for the first and last board rows, simply cut along the marked indentation line.



Shearing without BASO ❌

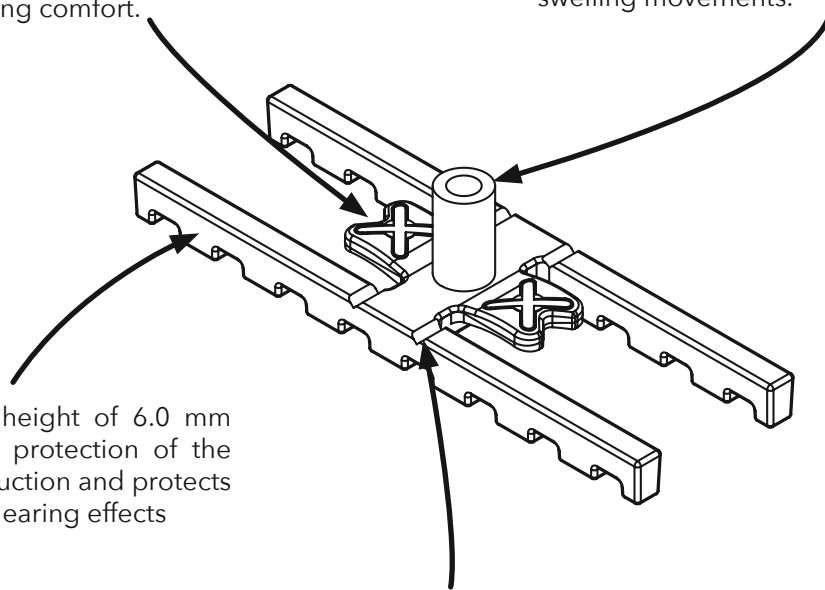


BASO reduces the shear forces by 50% ✅

BASO HIGHLIGHTS

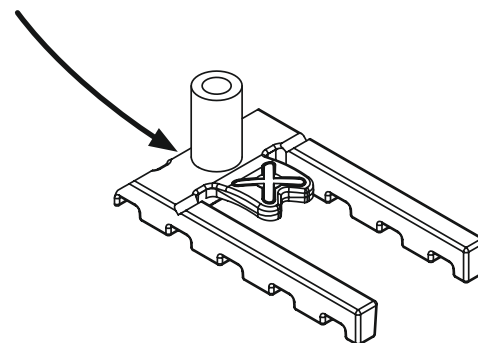
Spring elements contribute to a secure connection, prevent noise generation and increase walking comfort.

Joint distance spacer ensures uniform spacing during assembly and absorbs decking swelling movements.



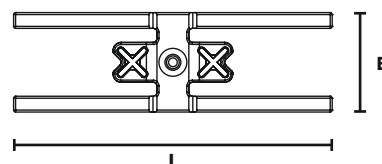
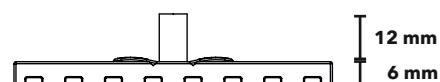
The construction height of 6.0 mm ensures structural protection of the entire deck construction and protects the screws from shearing effects

Indentation marks for simple start and end modification



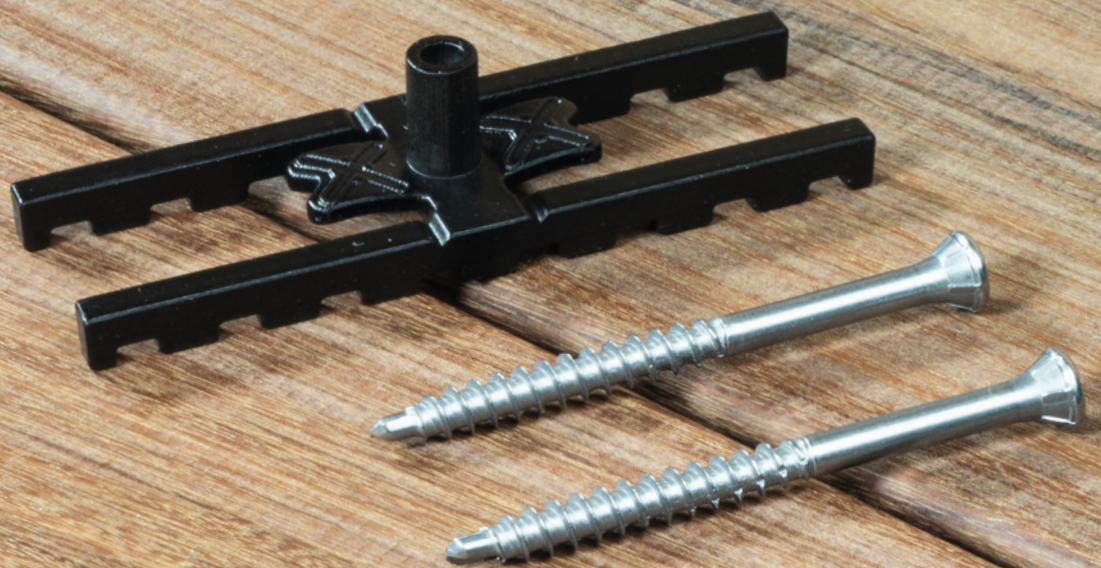
OVERVIEW

Fixing:	spacer for visible screw connections
Dimensions:	L 80 mm B 25 mm H 6 mm
Joint distance:	4,0 oder 7,0 mm
Start-, end connection:	modification possible
Material:	PP Polypropylen Recycled
Special feature:	sound dampening effect



BASO^{SET}

DECKING SPACER
INSTALLATION SET





BASO 4 SET with stainless steel screws	ELITA1	ELITA2	SOLIDA1
5,0 x 60 mm	■	■	■
5,0 x 70 mm	■	■	■

ELITA1 and SOLIDA1 stainless steel
ELITA2 stainless steel A2 1.4567

BASO 7 SET with stainless steel screws	ELITA1	ELITA2	SOLIDA1
5,0 x 60 mm	■	■	■
5,0 x 70 mm	■	■	■

ELITA1 and SOLIDA1 stainless steel
ELITA2 stainless steel A2 1.4567

FEATURES					
Datasheet	Tips & Tricks	SET Pack	Display stand	Branding	Stainless steel

Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
016311001	BASO 4 set + ELITA1, 5,0 x 60 mm	stainless steel	PU 100 PCS	9009941017260	1,950 kg	7318 12 10
016411001	BASO 7 set + ELITA1, 5,0 x 60 mm	stainless steel	PU 100 PCS	9009941017277	2,000 kg	7318 12 10
016311002	BASO 4 set + ELITA1, 5,0 x 70 mm	stainless steel	PU 100 PCS	9009941017321	2,100 kg	7318 12 10
016411002	BASO 7 set + ELITA1, 5,0 x 70 mm	stainless steel	PU 100 PCS	9009941017338	2,150 kg	7318 12 10

Included in every package are 100 Pcs BASO and 200 Pcs ELITA1

Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
016311003	BASO 4 set + ELITA2, 5,0 x 60 mm	stainless steel A2 (1.4567)	PU 100 PCS	9009941017345	1,950 kg	7318 12 10
016411003	BASO 7 set + ELITA2, 5,0 x 60 mm	stainless steel A2 (1.4567)	PU 100 PCS	9009941017352	2,000 kg	7318 12 10
016311004	BASO 4 set + ELITA2, 5,0 x 70 mm	stainless steel A2 (1.4567)	PU 100 PCS	9009941017369	2,100 kg	7318 12 10
016411004	BASO 7 set + ELITA2, 5,0 x 70 mm	stainless steel A2 (1.4567)	PU 100 PCS	9009941017376	2,150 kg	7318 12 10

Included in every package are 100 Pcs BASO and 200 Pcs ELITA2

Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
016311005	BASO 4 set + SOLIDA1, 5,0 x 60 mm	stainless steel	PU 100 PCS	9009941017284	1,950 kg	7318 14 10
016411005	BASO 7 set + SOLIDA1, 5,0 x 60 mm	stainless steel	PU 100 PCS	9009941017291	2,000 kg	7318 14 10
016311006	BASO 4 set + SOLIDA1, 5,0 x 70 mm	stainless steel	PU 100 PCS	9009941017307	2,100 kg	7318 14 10
016411006	BASO 7 set + SOLIDA1, 5,0 x 70 mm	stainless steel	PU 100 PCS	9009941017314	2,150 kg	7318 14 10

Included in every package are 100 Pcs BASO and 200 Pcs SOLIDA1



GUMO D

DISTANCE BAND



GUMOD



FEATURES



Data sheet



Tips & Tricks



Video



Display stand



Branding

Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
007113000	GUMOD distance band	15 x 7 mm / 10 meter roll	PU 8 ROLLS	9009941000736	11,850 kg	3916 20 00



GUMO D DETAILS

GUMO D distance band on a roll, provides optimum ventilation eliminating the risk of water and dirt accumulation between decking boards and substructure.

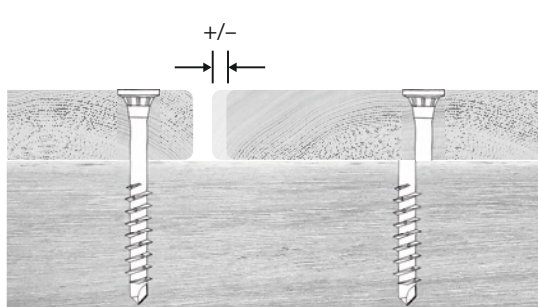
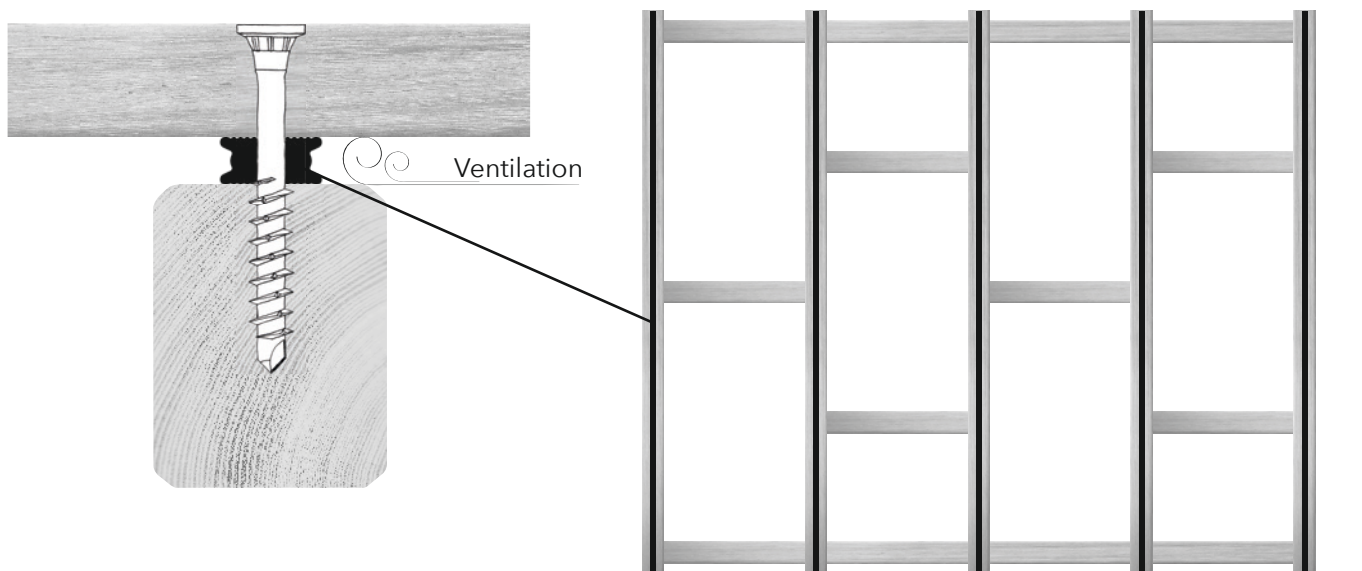
The narrow width design of only 15 mm permits [minimal contact area between the decking board and substructure] perfect structural protection.

The 7 mm height extension allows screw flexibility thus absorbing the swelling and shrinking effects drastically reducing the risk of shearing.

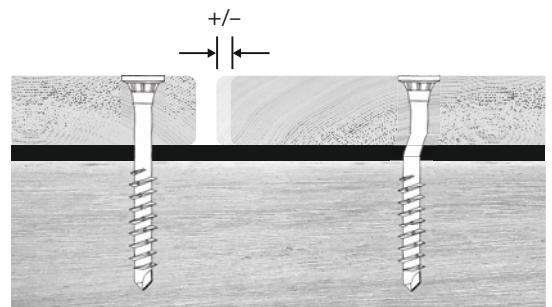
The ribbed surface provides shock absorbing benefits with excellent grip for visible screw connections. The material of GUMO D is screw through for easy installation.

The solid material is extremely resilient to compression loads exerted during screw installation, thus keeping the deck surface level and flush.

A practical and handy roll of 10 running meters ensures a simple and fast assembly process.

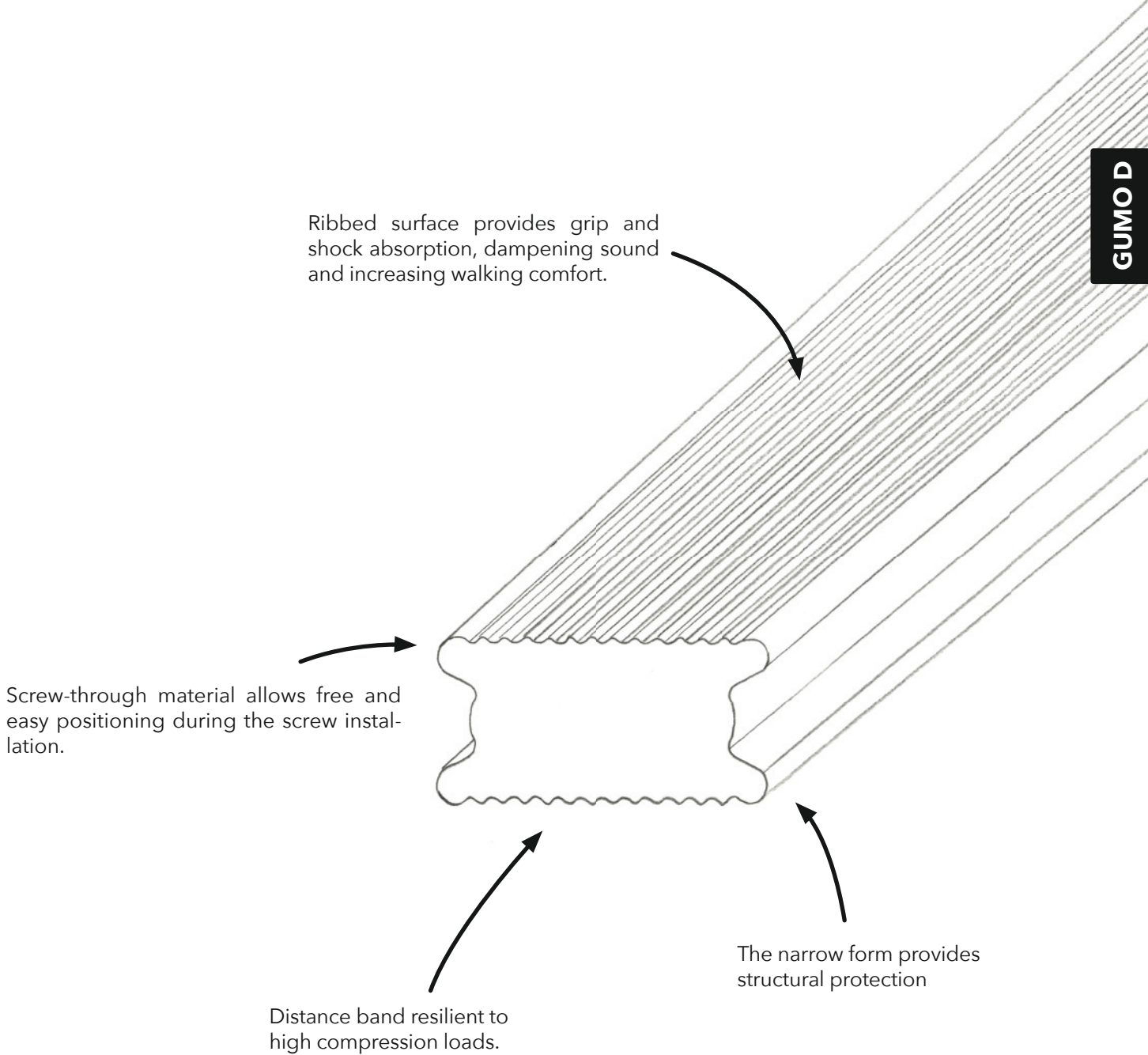


Shearing without GUMO D ❌



GUMO D reduces the shear forces by 50% ✓

GUMOD HIGHLIGHTS



OVERVIEW

Fixing:	spacer for visible screw connections
Length:	10 m Roll
Width:	15 mm
Height:	7 mm
Material:	extruded plastic
Special feature:	Shock absorption








GUMO K

PROTECTION &
ISOLATION BAND





GUMO K

FEATURES				
				
Data sheet	Tips & Tricks	Video	Display stand	Branding

Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
011912000	GUMO K protection & isolation band	75 x 0,65 mm / 10 meter roll	PU 10 ROLLS	9009941009098	7,415 kg	4016 93 00



GUMO K DETAILS

GUMO K is a self-adhesive protection and isolating tape for substructures made of wood and aluminium.

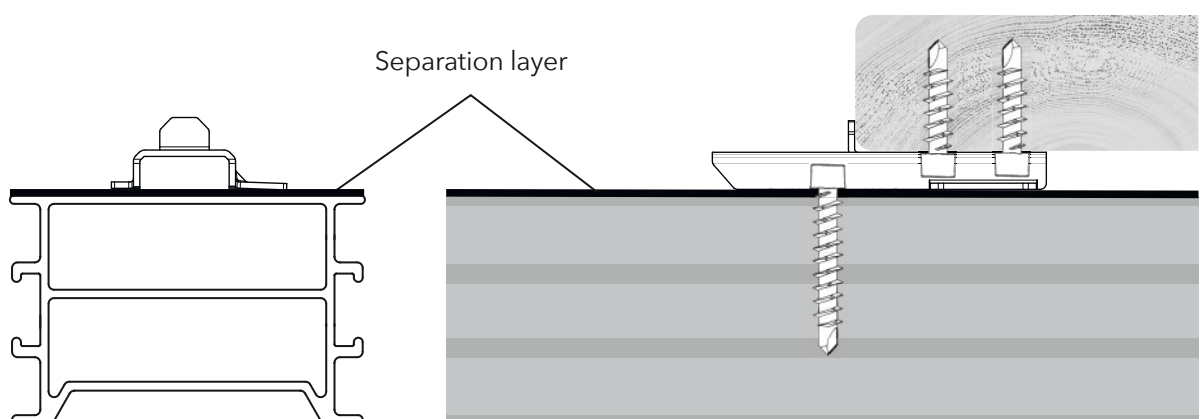
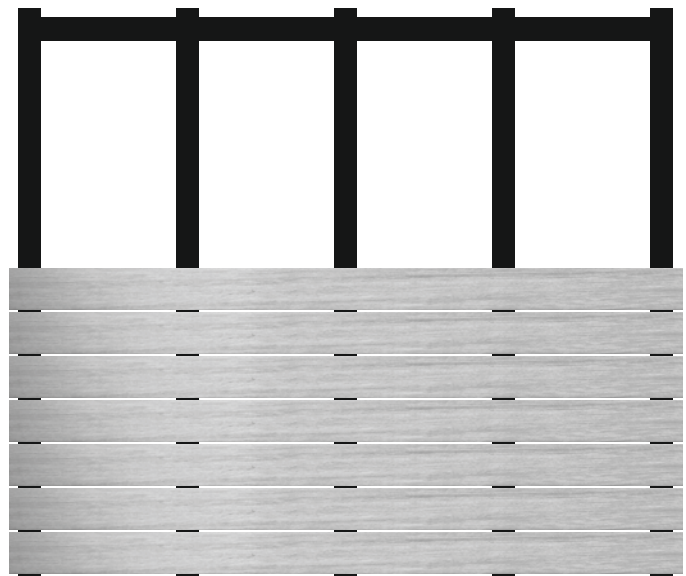
GUMO K permanently protects the top of wooden substructures from dirt and water accumulation.

GUMO K acts as a separation layer between two surfaces (hidden fastening clip and substructure) prone to friction, for example DILA connected to RELO.

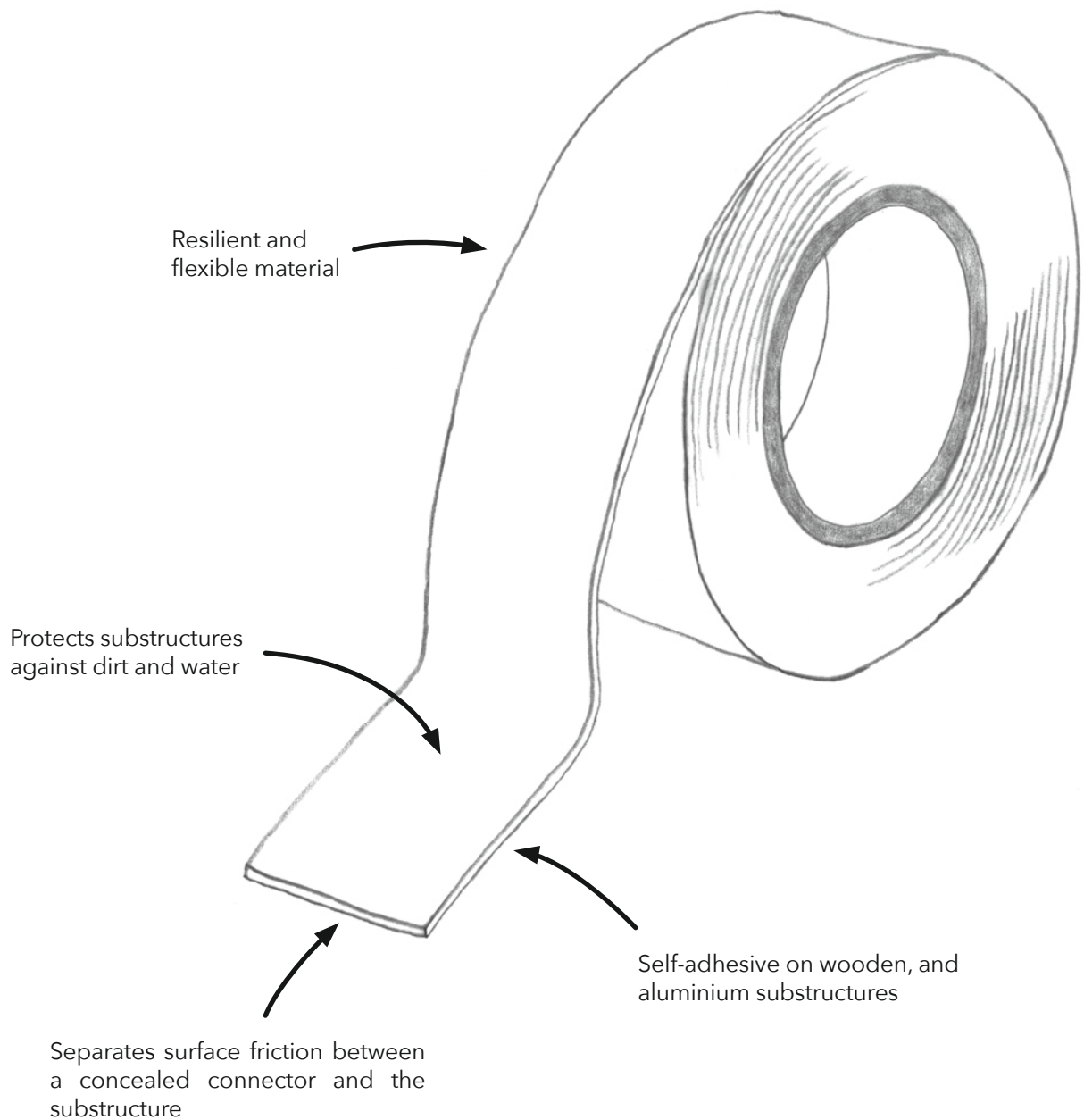
The rubber-like material is highly resilient and delivers perfect functionality in its application.

A simple and fast assembly process is achieved by the practical and handy roll with a length of 10 meters.

Decking and facade substructures



GUMO K HIGHLIGHTS



GUMO K

OVERVIEW

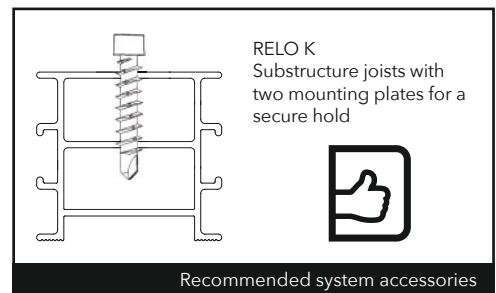
Length:	10 m Roll
Width:	75 mm
Thickness:	0,60 mm
Sticks on:	aluminum, wood, concrete, stainless steel
Special features:	elasticized



SUPRO H

DECKING CONNECTOR





FEATURES

Instructions	Data sheet	Tips & Tricks	Video	SET Pack	SUPRO Profile	Display stand	Branding

Product No.	Description	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
011511000	SUPRO H decking fastening set	PU 200 PCS	9009941007759	3,000 kg	3926 90 97
011513000	SUPRO H decking fastening set	PU 800 PCS	9009941007810	11,000 kg	3926 90 97

Included in every package are the required UNIA1 system screws 4,2 x 17 mm, 4,2 x 28 mm, 1 Pcs HELPO Assembly aid, 1 Pcs HELPO Bit TX20 white 50 mm and instructions



SUPRO H DETAILS

The decking connector **SUPRO H** guarantees easy, fast and safe installation.

The interlocking system enables quick positioning of the connector to the board. The underside screw UNIA 4,2 x 17 mm gives additional support and secures the boards in the lengthwise direction.

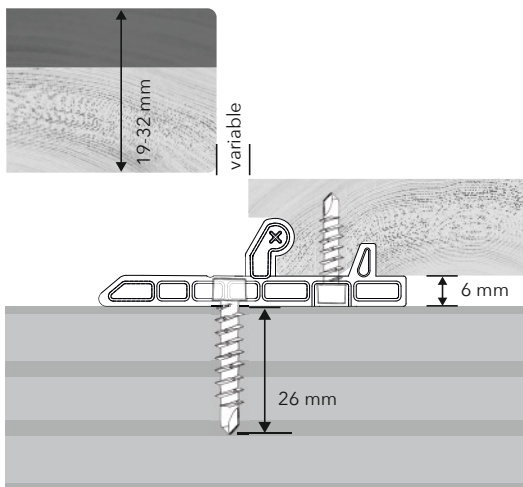
The fastening system is characterized by a sliding and fixed-point installation method: Natural swelling and shrinking movements are optimally controlled and regulated.

Freely selectable joint spacing adapted to the board width and its characteristics allows for the perfect decking appearance and design.

The concealed fastening of the first and last board row is integrated as standard to the connector.

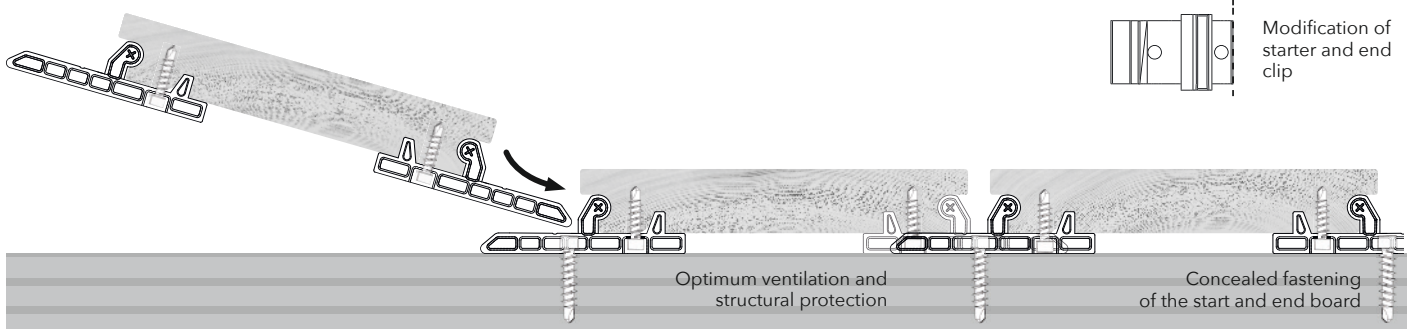
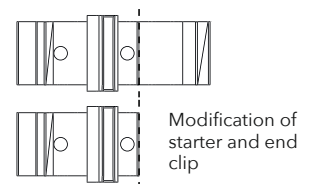
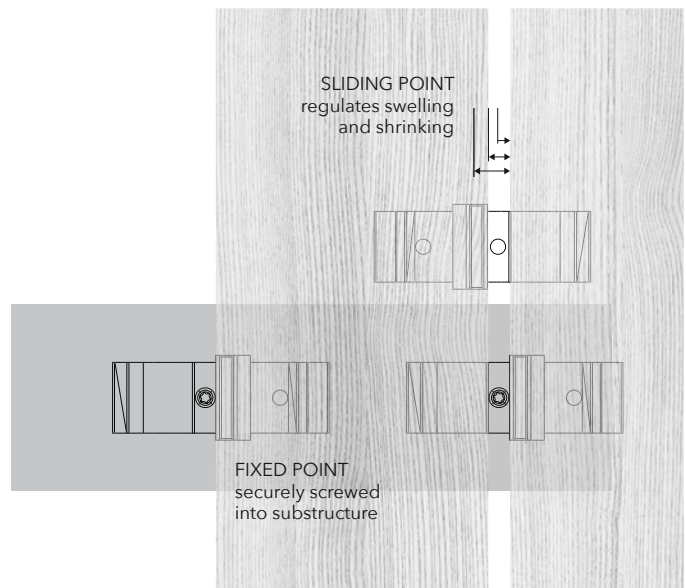
Substructures can be made of wood, wood-like materials or aluminium.

The innovative SUPRO decking profile conceals the fastening system, ensures a pleasing visual appearance and delivers perfect structural protection.

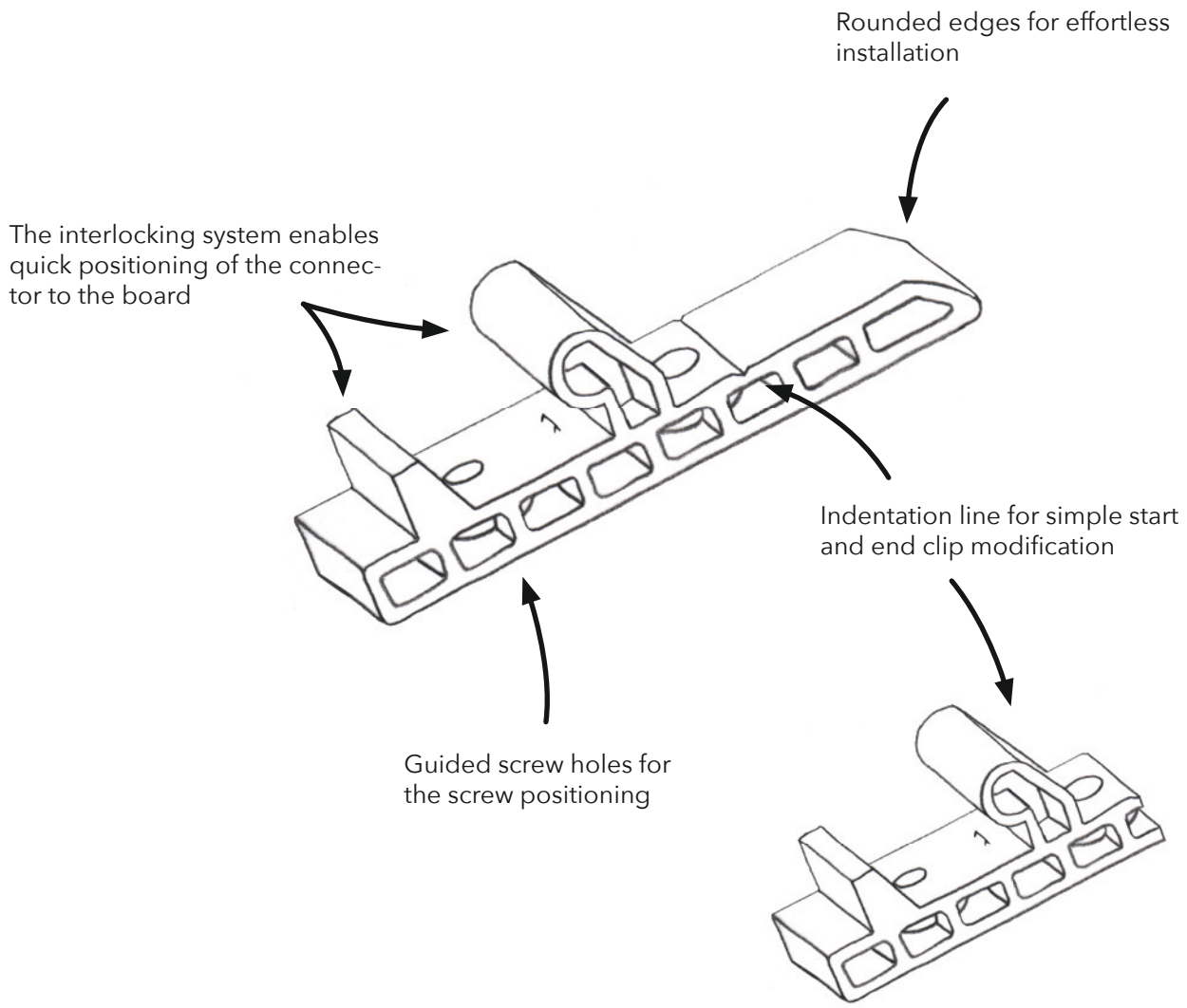


Canopy effect - Protects groove and engagement of clip

Optimal water drainage - prevents the accumulation of dirt



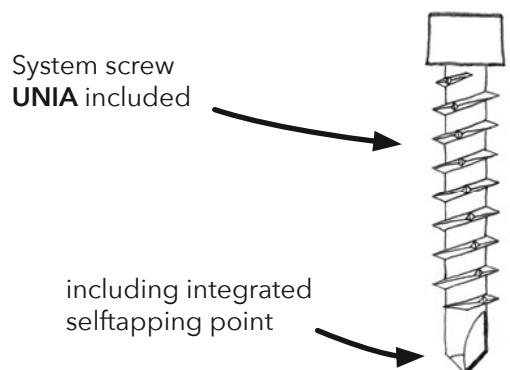
SUPRO H HIGHLIGHTS



SUPRO H

OVERVIEW

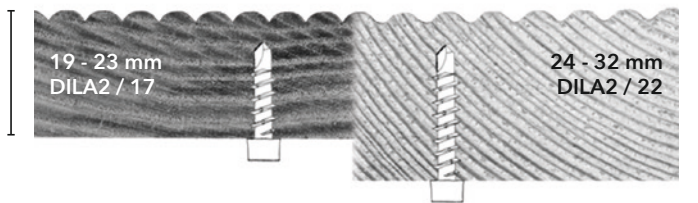
Fixing:	concealed system
Fixing type:	Sliding and fixed point
Space distance:	selectable
Decking board:	special SUPRO profile
Board repl.:	possible when board joints are over 5,5 mm
Material:	composite material PA6 50GF
UNIA drilling cap.:	ca. 3 mm thick Aluminium
Special feature:	start and end clip modification



DILA

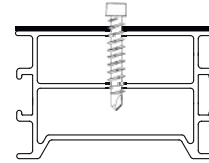
DECKING CONNECTOR





RELO K
Substructure joists with two mounting plates for a secure hold

GUMO K
Protection and isolating tape



Recommended system accessories

DILA

FEATURES



Instructions



Data sheet



Tips & Tricks



Video



SET Pack



Display stand



Branding



Stainless steel

Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
006603000	DILA2 universal decking connector	17 mm, stainless steel A2	PU 50 PCS	9009941013156	0,802 kg	7326 90 98
006605000	DILA2 universal decking connector	17 mm, stainless steel A2	PU 200 PCS	9009941004598	3,060 kg	7326 90 98
006612000	DILA2 universal decking connector	17 mm, stainless steel A2	PU 800 PCS	9009941004611	12,160 kg	7326 90 98
006703000	DILA2 universal decking connector	22 mm, stainless steel A2	PU 50 PCS	9009941013163	0,834 kg	7326 90 98
006705000	DILA2 universal decking connector	22 mm, stainless steel A2	PU 200 PCS	9009941004628	3,180 kg	7326 90 98
006712000	DILA2 universal decking connector	22 mm, stainless steel A2	PU 800 PCS	9009941004642	12,680 kg	7326 90 98

Included in every package are the required UNIA1 system screws 4,2 x 17 mm or 4,2 x 22 mm, 4,2 x 28 mm,
1 Pcs HELPO Assembly aid and instructions

Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
006803001	DILA2 universal decking connector	17 mm, stainless steel A2, black	PU 50 PCS	9009941013187	0,802 kg	7326 90 98
006805000	DILA2 universal decking connector	17 mm, stainless steel A2, black	PU 200 PCS	9009941006905	3,060 kg	7326 90 98
006812000	DILA2 universal decking connector	17 mm, stainless steel A2, black	PU 800 PCS	9009941004673	12,160 kg	7326 90 98
006903000	DILA2 universal decking connector	22 mm, stainless steel A2, black	PU 50 PCS	9009941013170	0,834 kg	7326 90 98
006905000	DILA2 universal decking connector	22 mm, stainless steel A2, black	PU 200 PCS	9009941004680	3,180 kg	7326 90 98
006912000	DILA2 universal decking connector	22 mm, stainless steel A2, black	PU 800 PCS	9009941004703	12,680 kg	7326 90 98

Included in every package are the required UNIA1 system screws 4,2 x 17 mm or 4,2 x 22 mm, 4,2 x 28 mm,
1 Pcs HELPO Assembly aid and instructions



DILA DETAILS

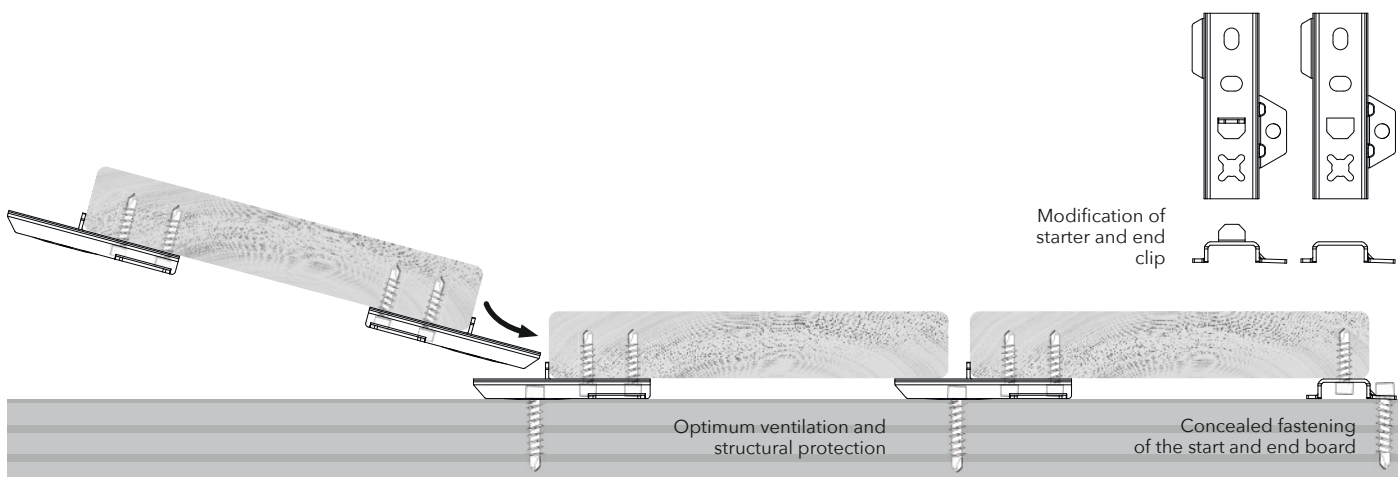
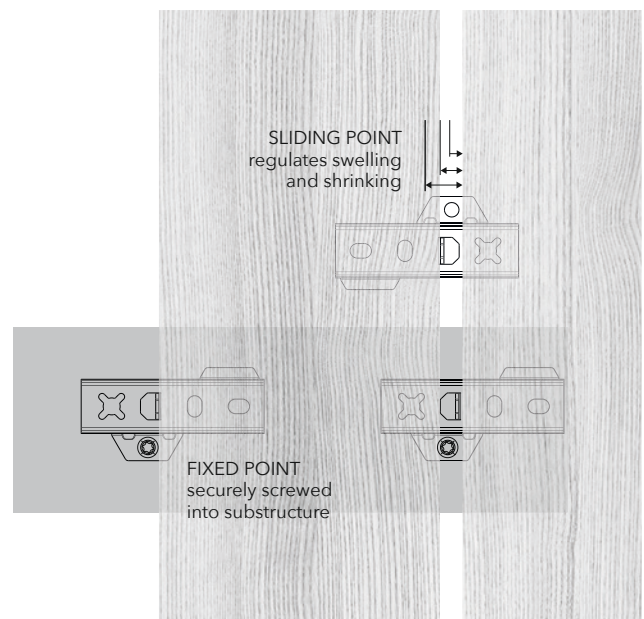
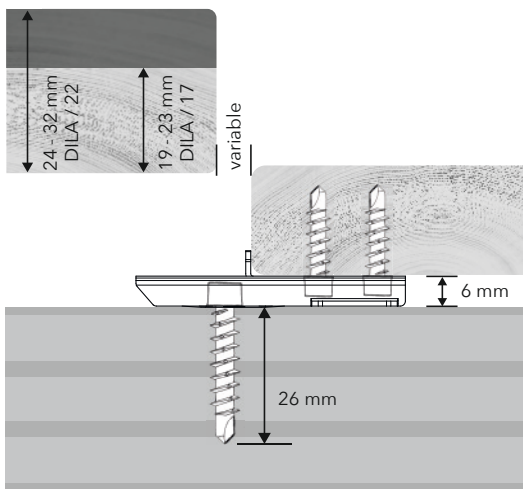
The robust universal hidden fastening system **DILA** can be reliably used for decking applications regardless of board dimensions.

The rear side screwing of the connector to the board is facilitated by an integrated assembly guide which allows easy positioning.

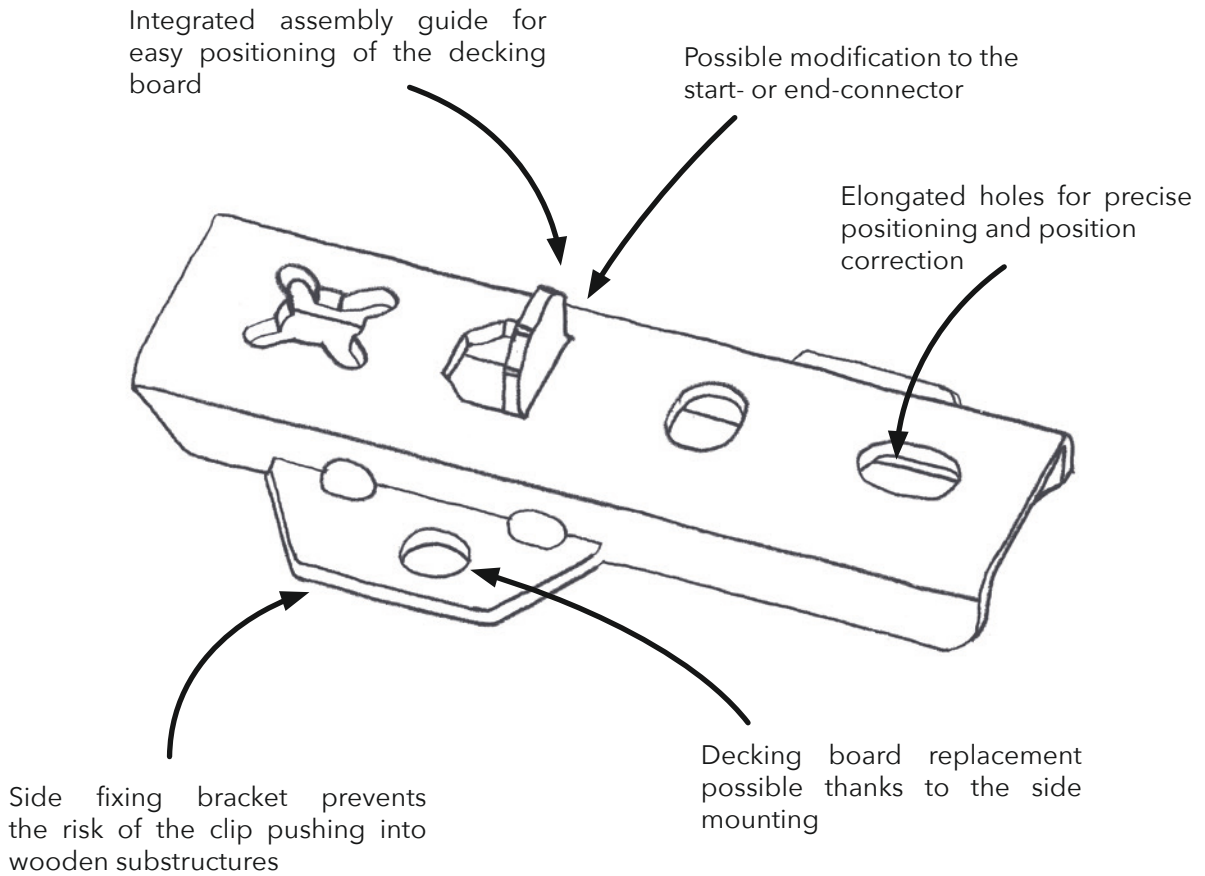
Freely selectable joint spacing adapted to the board width and its characteristics allows for the perfect decking appearance and design. No additional start- or end-connectors are required.

The fastening system is characterized by a sliding and fixed-point installation method: Natural swelling and shrinking movements are optimally controlled and regulated.

The substructure can be wood, wood-like materials or aluminium.

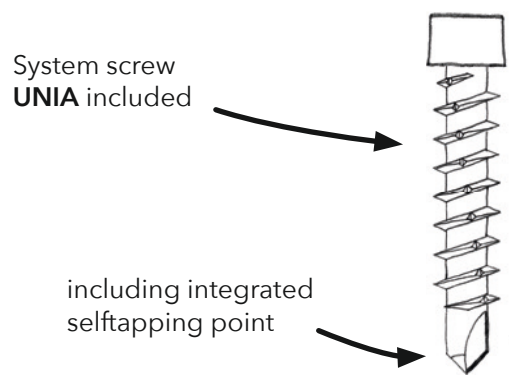


DILA HIGHLIGHTS



DILA

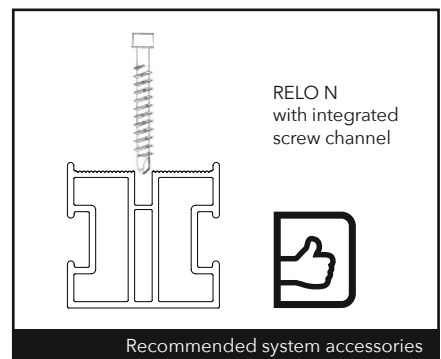
OVERVIEW	
Fixing:	concealed system
Fixing type:	sliding and fixed point
Joint distance:	selectable
Decking board:	For domestic and modified wood species
Board replacement:	possible when board joints are over 6,0 mm
Material:	A2 Stainless steel / A2 Stainless steel with black surface coating
UNIA drilling cap.:	ca. 3 mm thick Aluminium
Special feature:	start and end clip modification



PLATA P

DECKING CONNECTOR





FEATURES								
Instructions	Data sheet	Tips & Tricks	Video	SET Pack	Groove profile	Display stand	Branding	Stainless steel

Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
013304002	PLATA P34 decking connector	stainless steel black	PU 100 PCS	9009941011633	2,010 kg	7326 90 98

Included in every package are the required UNIA1 system screws 4,8 x 34 mm and instructions

Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
013304003	PLATA P47 decking connector	stainless steel black	PU 100 PCS	9009941011664	2,100 kg	7326 90 98

Included in every package are the required UNIA1 system screws 4,8 x 47 mm and instructions



PLATA P DETAILS

The **PLATA P** decking connector guarantees fast and easy installation for side grooved modified, dimensionally stable wood species or composite decking boards.

The decking board is mounted to the substructure via the lateral groove through the 65 mm long stainless steel decking connector using only one screw fixation.

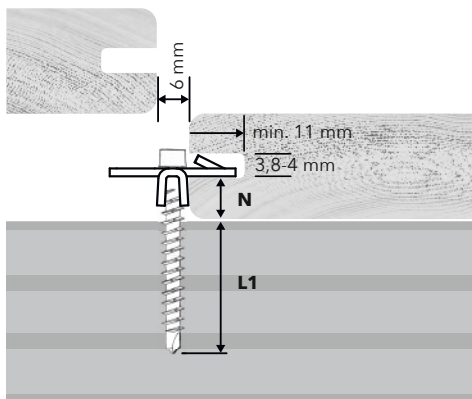
The U-shaped joint spacers ensure uniform joint spacing and can compensate swelling movements of up to 2.0 mm per board.

Two integrated locking grips for groove heights of 3,8 - 4,0 mm securely engage the groove for ease of assembly.

The 65 mm long decking connector covers and protects the substructure.

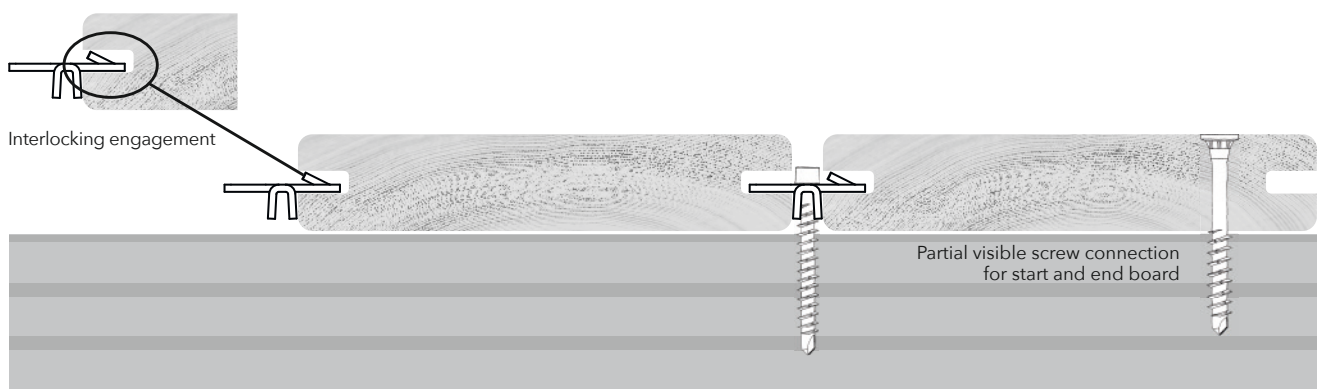
Recommended substructures:

Preferably softwoods such as larch, douglas fir, thermo-pine, thermo-spruce, or woods with similar densities. RELO N36 substructure rail made of aluminium.



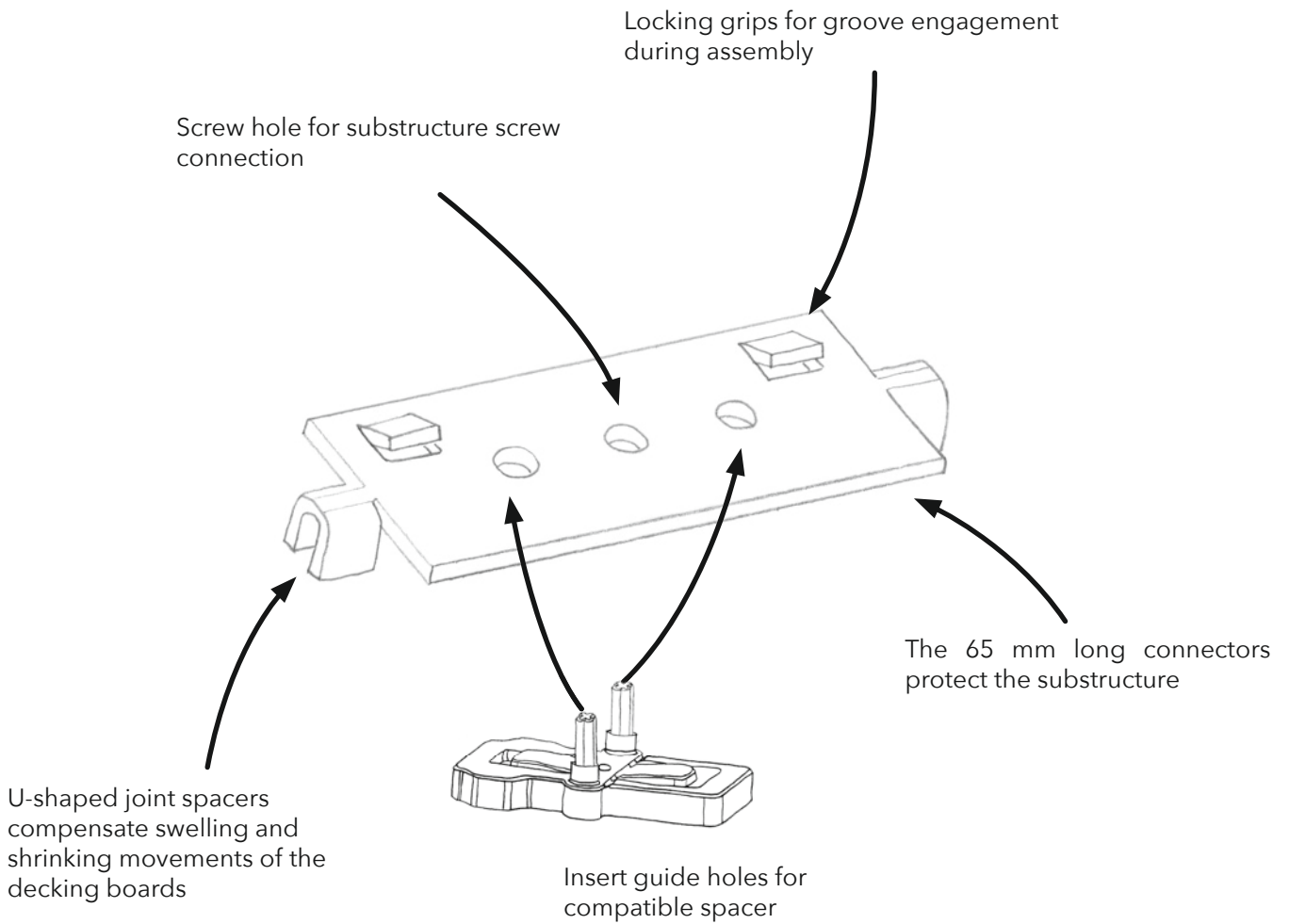
MODEL Dimensions	PLATA P34 UNIA 4,8 x 34 mm						PLATA P47 UNIA 4,8 x 47 mm					
	6	8	9	10	11	12	6	8	9	10	11	12
N [mm]												
L1 [mm]	26,5	24,5	23,5	22,5	21,5	20,5	39,5	37,5	36,5	35,5	34,5	33,5
RELO N	■	■	■	■	■	■						
WOODEN sub.							■	■	■	■	■	■

- Compatible substructures
 - RELO N36 aluminium system rail with integrated screw channel
 - Wooden substructures made of softwoods such as larch, douglas fir, thermo spruce, thermo pine, ...



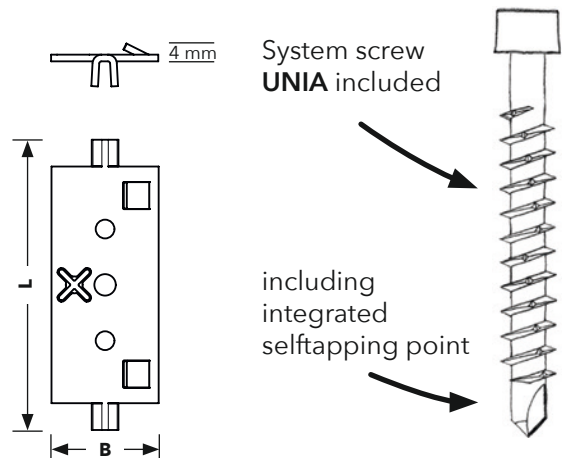
PLATA P HIGHLIGHTS

PLATA P



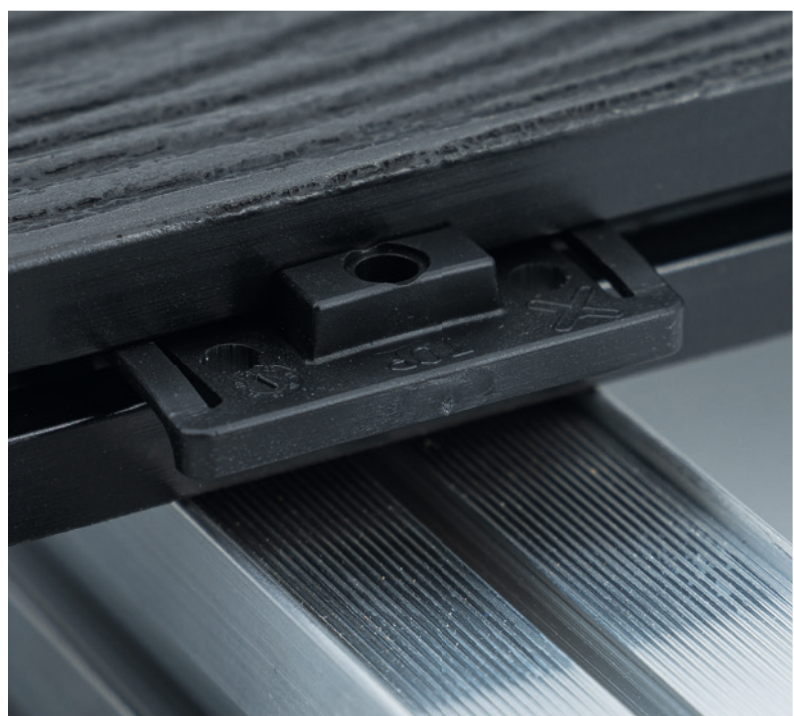
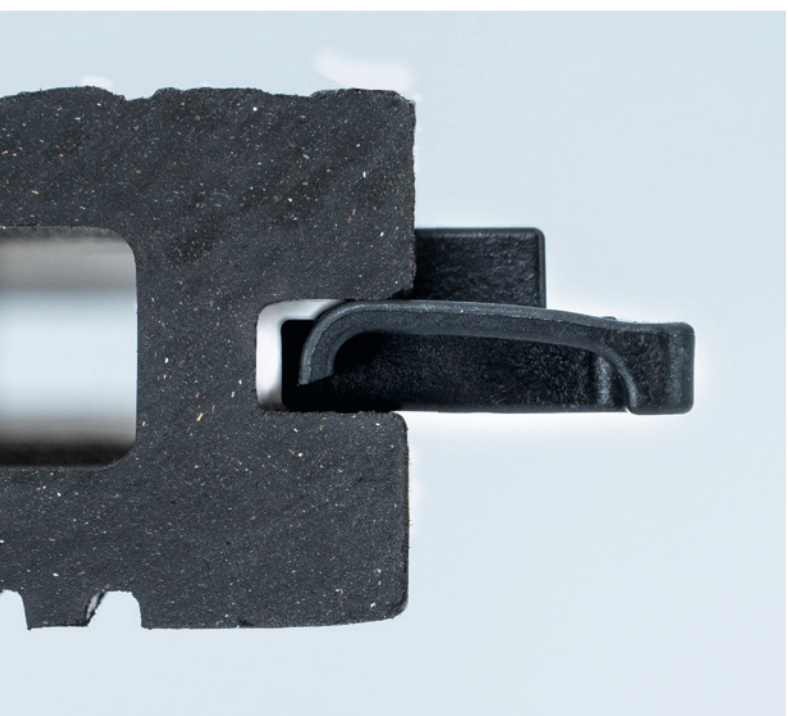
OVERVIEW

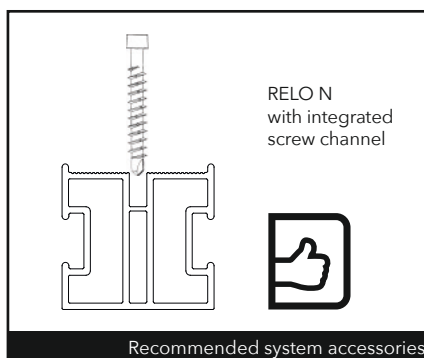
Fixing:	concealed system
Fixing type:	sliding point - sliding point
Space distance:	6,0 mm
Decking board:	For modified and dimensionally stable wood species or composite boards with lateral side grooves
Dimensions	L 65 mm W 24 mm
Groove plate:	
Spring elements:	For 3,8 - 4,0 mm Groove engagement height
Board replacement:	possible
Material:	stainless steel with black Surface coating
UNIA drilling capacity:	ca. 3 mm thick Aluminium
Special feature:	Compatible with distance spacer



PLATA C

DECKING CONNECTOR





FEATURES

Instructions	Data sheet	Tips & Tricks	SET Pack	Groove profile	Display stand	Branding

Product No.	Description 1	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
012904000	PLATA C34 decking connector	PU 100 PCS	9009941017413	0,670 kg	3926 90 97
012904001	PLATA C47 decking connector	PU 100 PCS	9009941017420	0,770 kg	3926 90 97

Included in every package are the required UNIA1 system screws 4,8 x 34 mm or 4,8 x 47 mm and instructions

Product No.	Description 1	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
012904020	PLATA C34 decking connector stainless steel A4	PU 100 PCS	9009941017888	0,670 kg	3926 90 97
012904021	PLATA C47 decking connector stainless steel A4	PU 100 PCS	9009941017895	0,770 kg	3926 90 97

Included in every package are the required UNIA4 system screws 4,8 x 34 mm or 4,8 x 47 mm and instructions



PLATA C DETAILS

The **PLATA C** decking connector guarantees fast and easy installation for side grooved modified, dimensionally stable wood species or composite decking boards.

The decking board is clamped to the substructure via the lateral groove, through the 40 mm long polypropylene decking connector with only one screw connection.

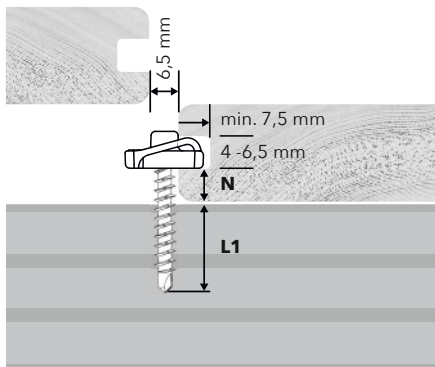
The solid screw zone ensures optimum force transmission into the groove of the boards and ensures uniform joint spacing and can compensate swelling movements of up to 2.0 mm per board.

Two sprung tension arms adjust to the height of the groove engagement and ensures a secure holding position during installation. The sprung arms are designed to adjust from 4.0 to 7.0 mm groove heights.

An extra-long screw guide guarantees comfortable screwing into the substructure.

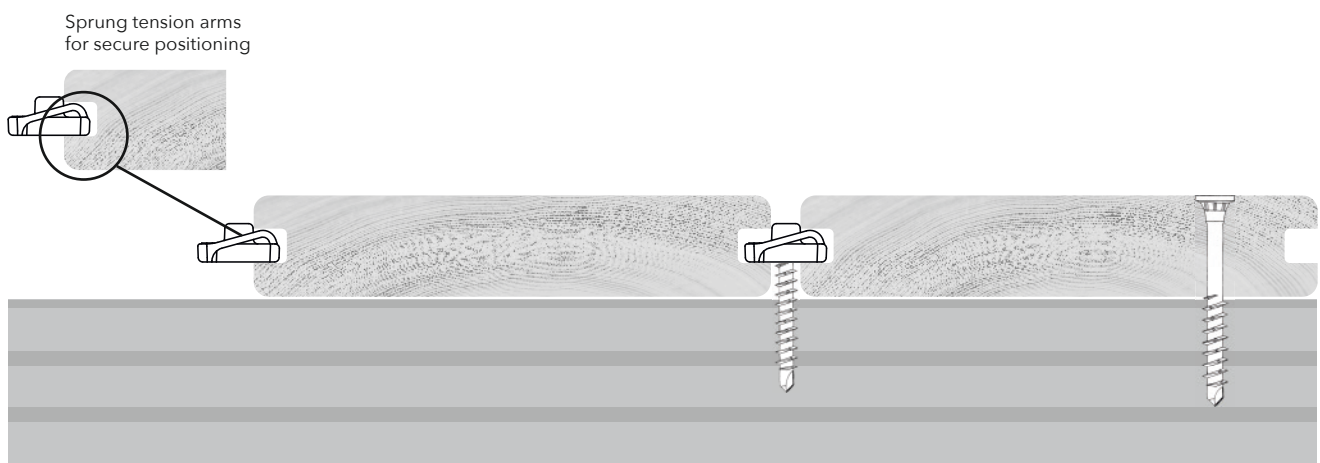
Recommended substructures:

Preferably softwoods such as larch, douglas fir, thermo-pine, thermo-spruce or woods with similar densities. RELO N36 substructure rail made of aluminium.

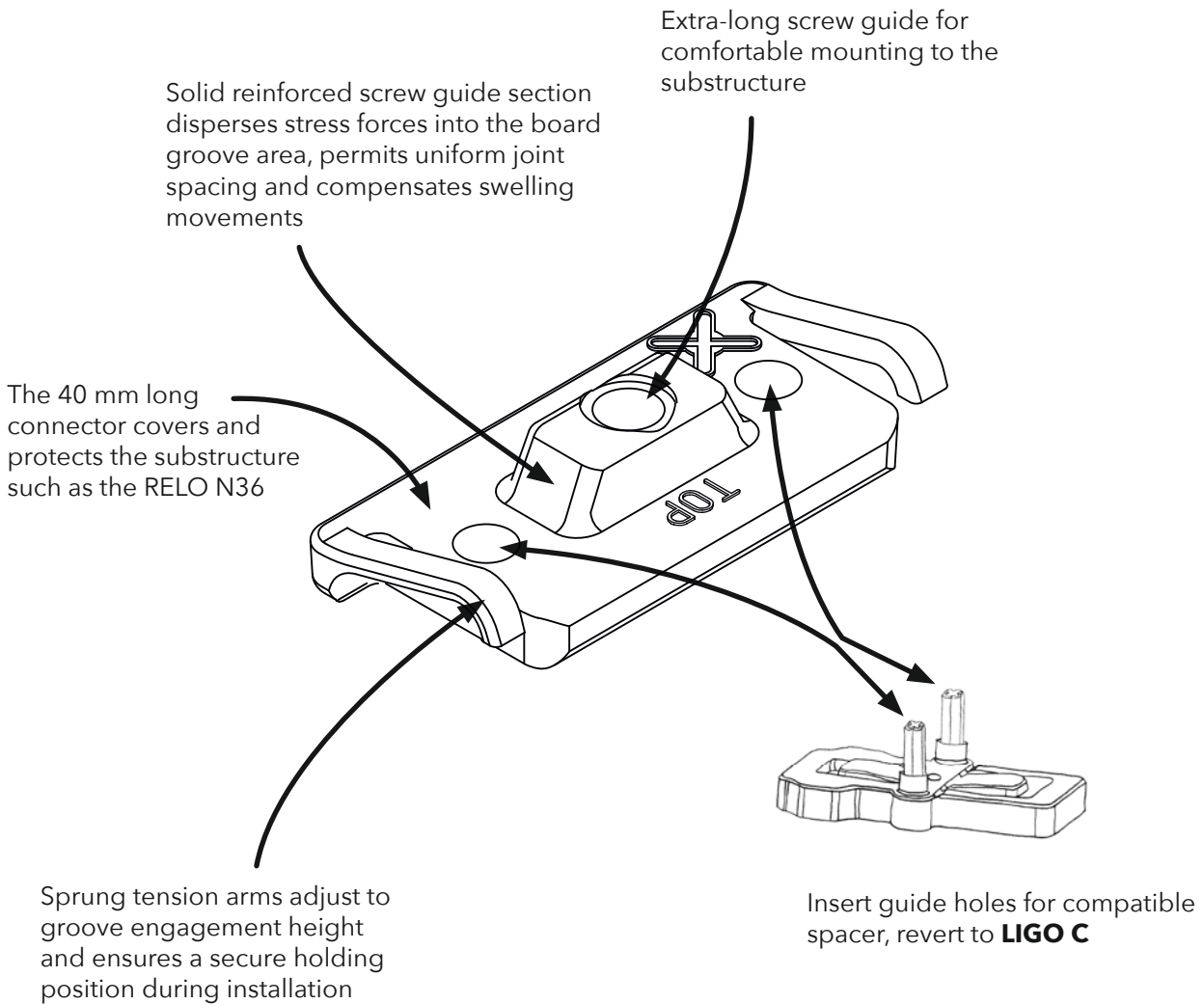


MODEL	PLATA C34						PLATA C47					
Dimensions	UNIA 4,8 x 34 mm						UNIA 4,8 x 47 mm					
N [mm]	6	8	9	10	11	12	6	8	9	10	11	12
L1 [mm]	24	22	21	20	19	18	37	35	34	33	32	31
RELO N	■	■	■	■	■	■					■	■
WOODEN sub.							■	■	■	■	■	■

- Compatible substructures
RELO N36 aluminium system rail with integrated screw channel
Wooden substructures made of softwoods such as larch, douglas fir, thermo spruce, thermo pine, ...



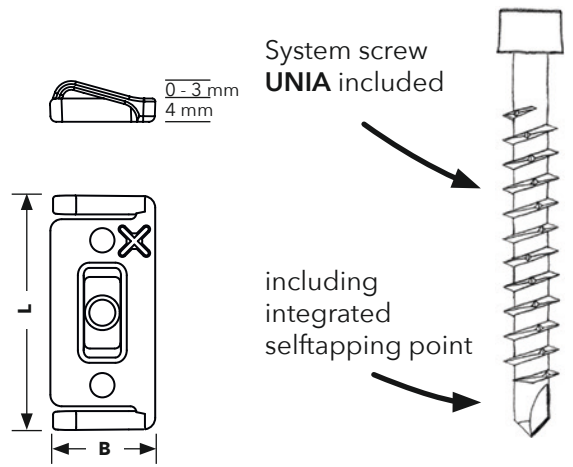
PLATA C HIGHLIGHTS



PLATA C

OVERVIEW

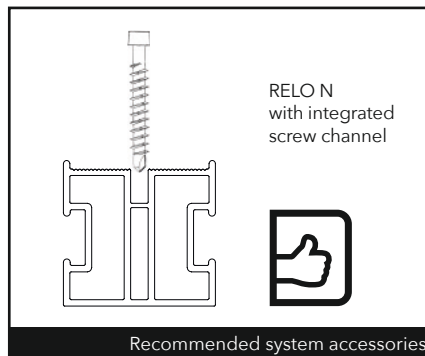
Fixing:	concealed system
Fixing type:	sliding point - sliding point
Space distance:	6,5 mm
Decking board:	For modified and dimensionally stable wood species or composite boards with lateral side grooves
Dimensions:	L 40 mm B 18 mm
Spring elements:	Groove height adjustment from 4,0 - 6,5 mm Groove engagement height
Board replacement:	possible
Material:	PP Polypropylen Recycled
UNIA drilling capacity:	ca. 3 mm thick Aluminium
Special feature:	Compatible with distance holder



LIGO C

DECKING CONNECTOR





FEATURES

Instructions	Data sheet	Tips & Tricks	SET Pack	Groove profile	Display stand	Branding

Product No.	Description 1	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
012905000	LIGO C34 decking connector	PU 80 PCS	9009941017390	1,000 kg	3926 90 97
012905001	LIGO C47 decking connector	PU 80 PCS	9009941017406	1,050 kg	3926 90 97

Included in every package are the required UNIA1 system screws 4,8 x 34 mm or 4,8 x 47 mm and instructions

Product No.	Description 1	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
012905020	LIGO C34 decking connector stainless steel A4	PU 80 PCS	9009941017864	1,000 kg	3926 90 97
012905021	LIGO C47 decking connector stainless steel A4	PU 80 PCS	9009941017871	1,050 kg	3926 90 97

Included in every package are the required UNIA4 system screws 4,8 x 34 mm or 4,8 x 47 mm and instructions

Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
012605000	BASO spacer	joint distance 6 mm	PU 100 PCS	9009941011084	0,830 kg	3926 90 97



LIGO C DETAILS

The **LIGO C** decking connector guarantees fast and easy installation for side grooved modified, dimensionally stable wood species or composite decking boards.

The decking board is clamped to the substructure via the lateral groove through the polypropylene decking connector with only one screw connection.

The oval-shaped joint spacers ensure an even joint spacing and can compensate swelling movements up to 2.0 mm per board. The joint spacers also serve as a quick-fit guide for the mounting plate, which can be adjusted automatically to the position of the groove.

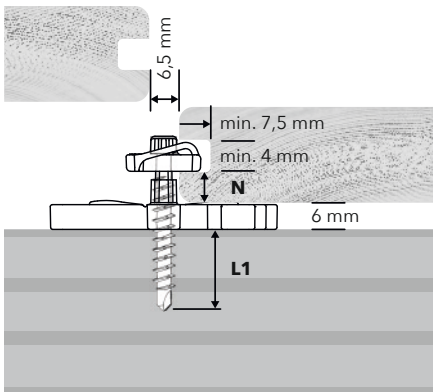
The solid screw zone ensures optimum force transmission into the groove of the boards.

The 6 mm distance spacer ensures optimum ventilation and prevents the formation of water and dirt accumulation between the decking boards and substructure.

The integrated tension sprung points contribute to a secure connection, preventing unwanted noise and increasing walking comfort.

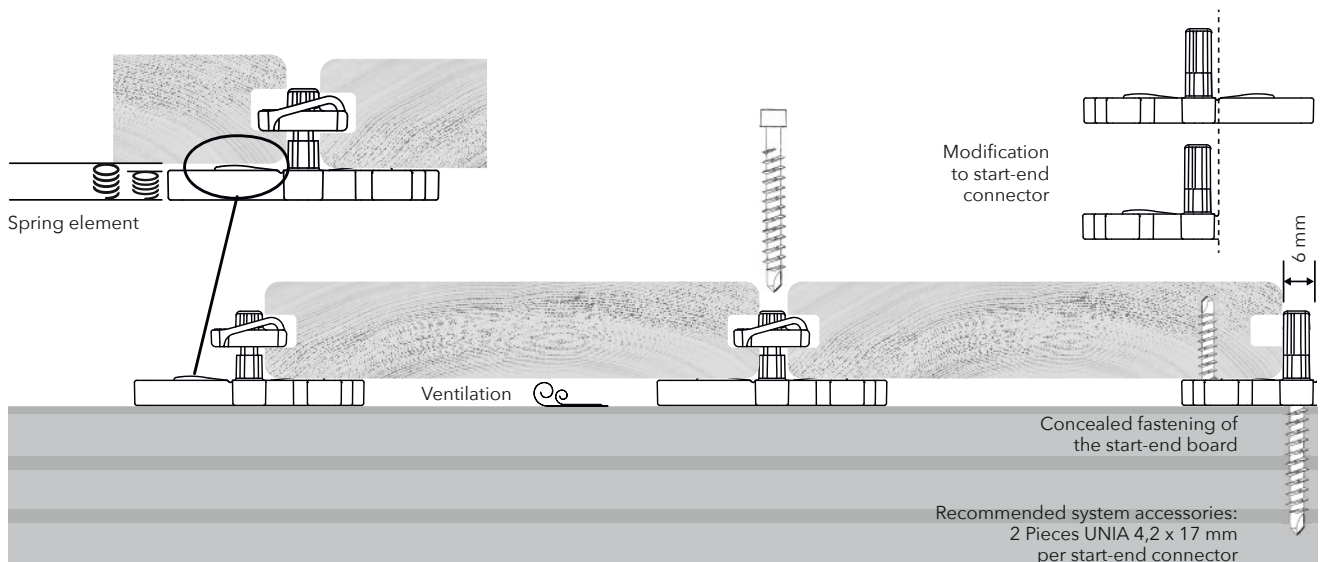
Recommended substructures:

Preferably softwoods such as larch, douglas fir, thermo-pine, thermo-spruce or woods with similar densities. RELO N36 substructure rail made of aluminium.

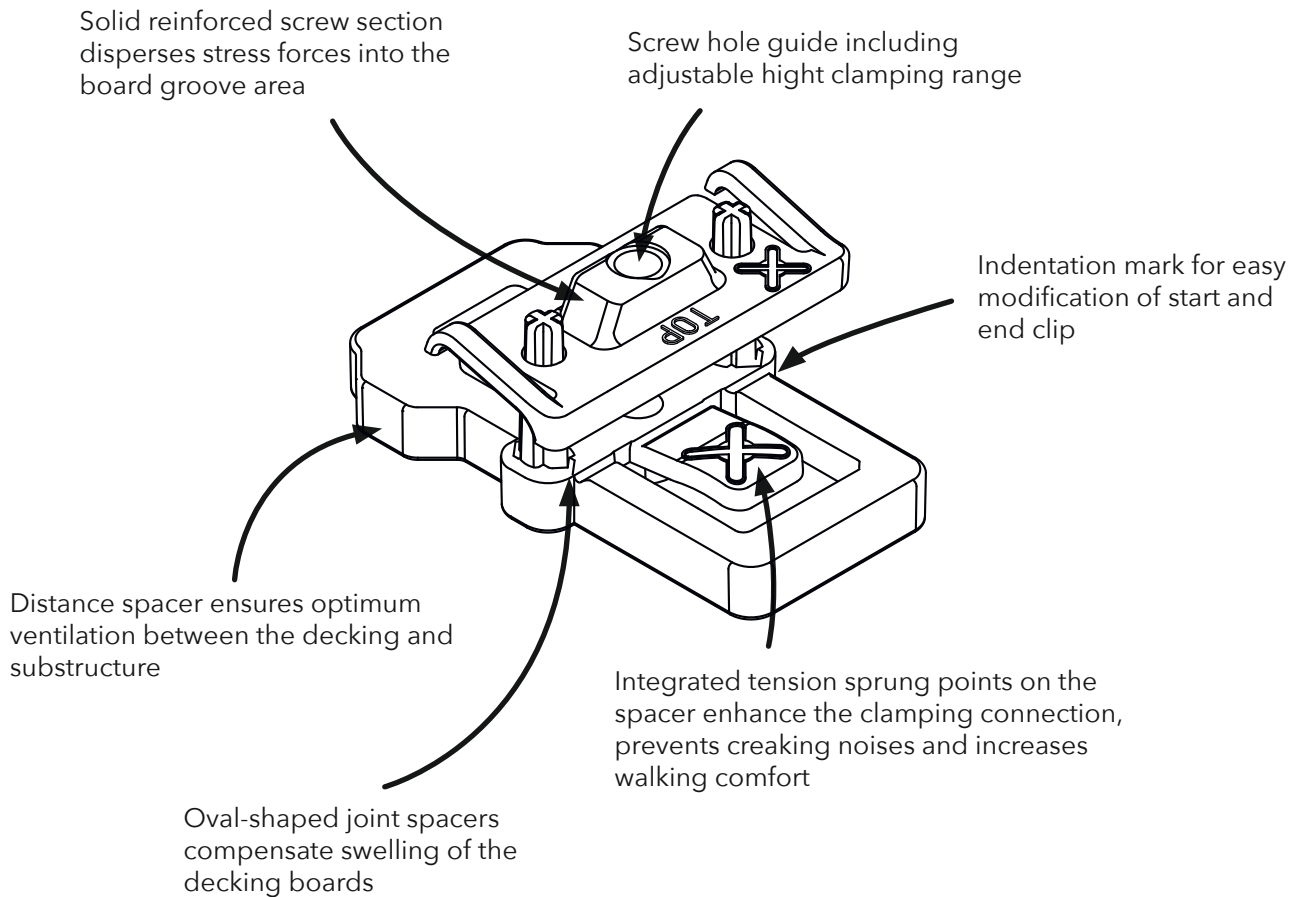


MODEL	LIGO C34						LIGO C47					
Dimensions	UNIA 4,8 x 34 mm						UNIA 4,8 x 47 mm					
N [mm]	6	8	9	10	11	12	6	8	9	10	11	12
L1 [mm]	18	16	15	14	13	12	31	29	28	27	26	25
RELO N	■	■	■					■	■	■	■	■
WOODEN sub.							■	■	■	■	■	■

- Compatible substructures
 - RELO N36 aluminium system rail with integrated screw channel
 - Wooden substructures made of softwoods such as larch, douglas fir, thermo spruce, thermo pine, ...



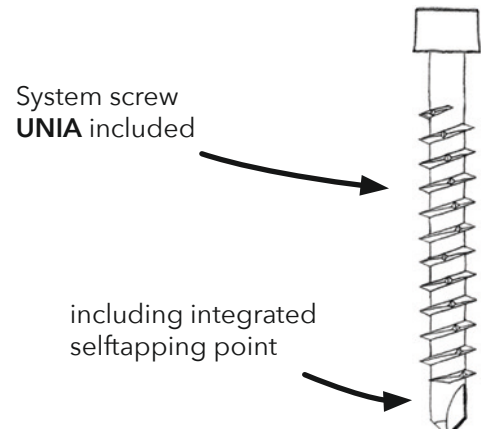
LIGO C HIGHLIGHTS



LIGO C

OVERVIEW

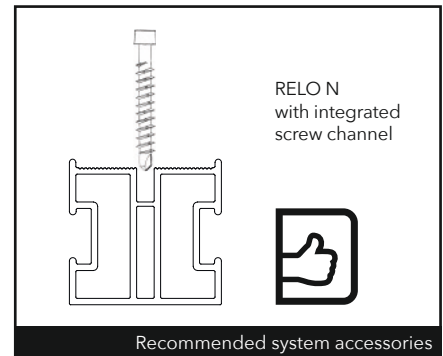
Fixing:	concealed system
Fixing type:	sliding point - sliding point
Space distance:	6,5 mm
Decking board:	For modified and dimensionally stable wood species or composite boards with lateral side grooves
Dimension Groove plate:	L 40 mm W 18 mm
Material Groove plate:	PP Polypropylen Recycled
Material distance spacer:	ABS plastic black
Board replacement:	possible
UNIA drilling capacity:	ca. 3 mm thick Aluminium
Special feature:	Easy modification of start and end clip



LIGO N

DECKING CONNECTOR





Recommended system accessories

LIGO N

FEATURES

Instructions	Data sheet	Tips & Tricks	Video	SET Pack	Groove profile	Display stand	Branding	Stainless steel

Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
013905003	LIGO N34 decking connector	stainless steel black	PU 80 PCS	9009941012234	1,480 kg	7326 90 98
013912003	LIGO N34 decking connector	stainless steel black	PU 400 PCS	9009941012241	7,160 kg	7326 90 98

Included in every package are the required UNIA1 system screws 4,8 x 34 mm and instructions

Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
013905000	LIGO N47 decking connector	stainless steel black	PU 80 PCS	9009941011855	1,700 kg	7326 90 98
013912000	LIGO N47 decking connector	stainless steel black	PU 400 PCS	9009941011848	7,540 kg	7326 90 98

Included in every package are the required UNIA1 system screws 4,8 x 47 mm and instructions

Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
012605000	BASO spacer	joint distance 6 mm	PU 100 PCS	9009941011084	0,830 kg	3926 90 97



LIGO N DETAILS

The **LIGO N** decking connector guarantees fast and easy installation for side grooved modified, dimensionally stable wood species or composite decking boards.

The decking board is clamped to the substructure via the lateral groove through a stainless steel mounting plate with only one screw connection.

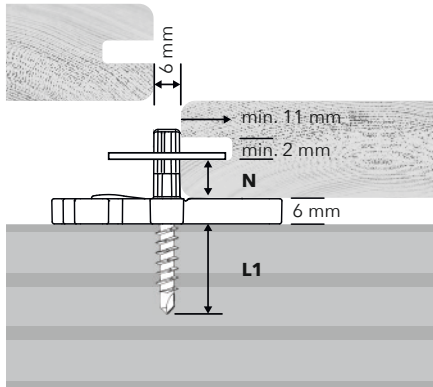
The oval-shaped joint spacers ensure an even joint spacing and can compensate swelling movements up to 2.0 mm per board. The joint spacers also serve as a quick-fit guide for the mounting plate, which can be adjusted automatically to the position of the groove.

The 6 mm distance spacer ensures optimum ventilation and prevents the formation of water and dirt accumulation between the decking boards and substructure.

The integrated tension sprung points contribute to a secure connection preventing unwanted noise and increases walking comfort.

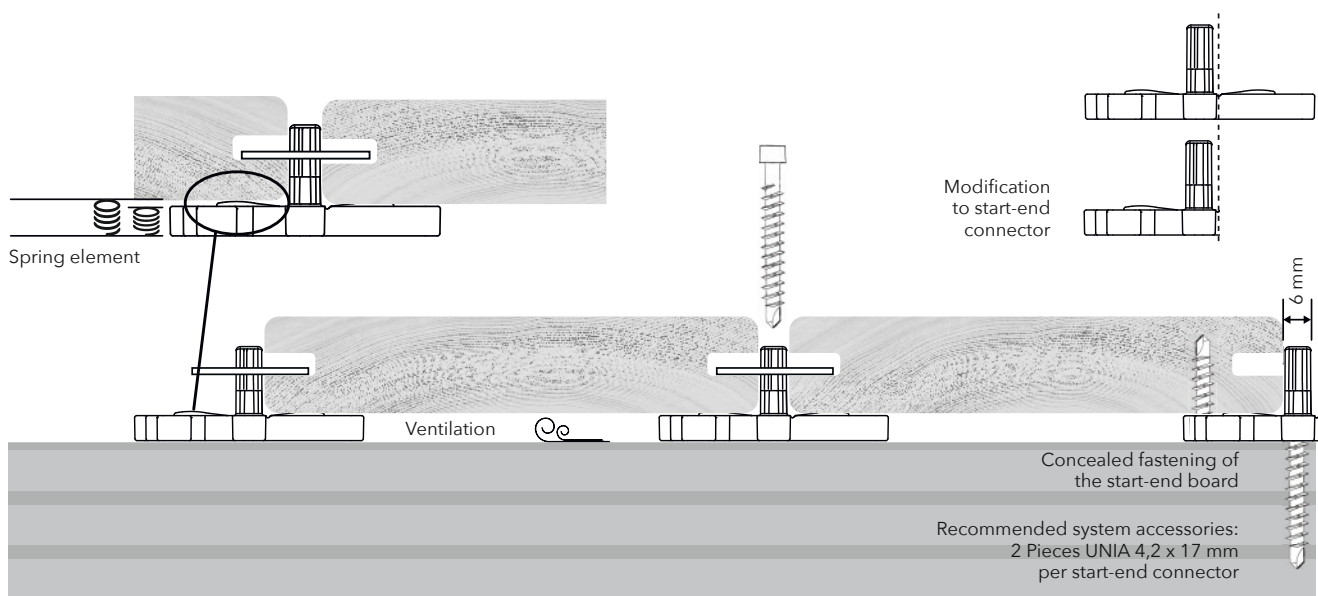
Recommended substructures:

Preferably softwoods such as larch, douglas fir, thermo-pine, thermo-spruce or woods with similar densities. RELO N36 substructure rail made of aluminium.

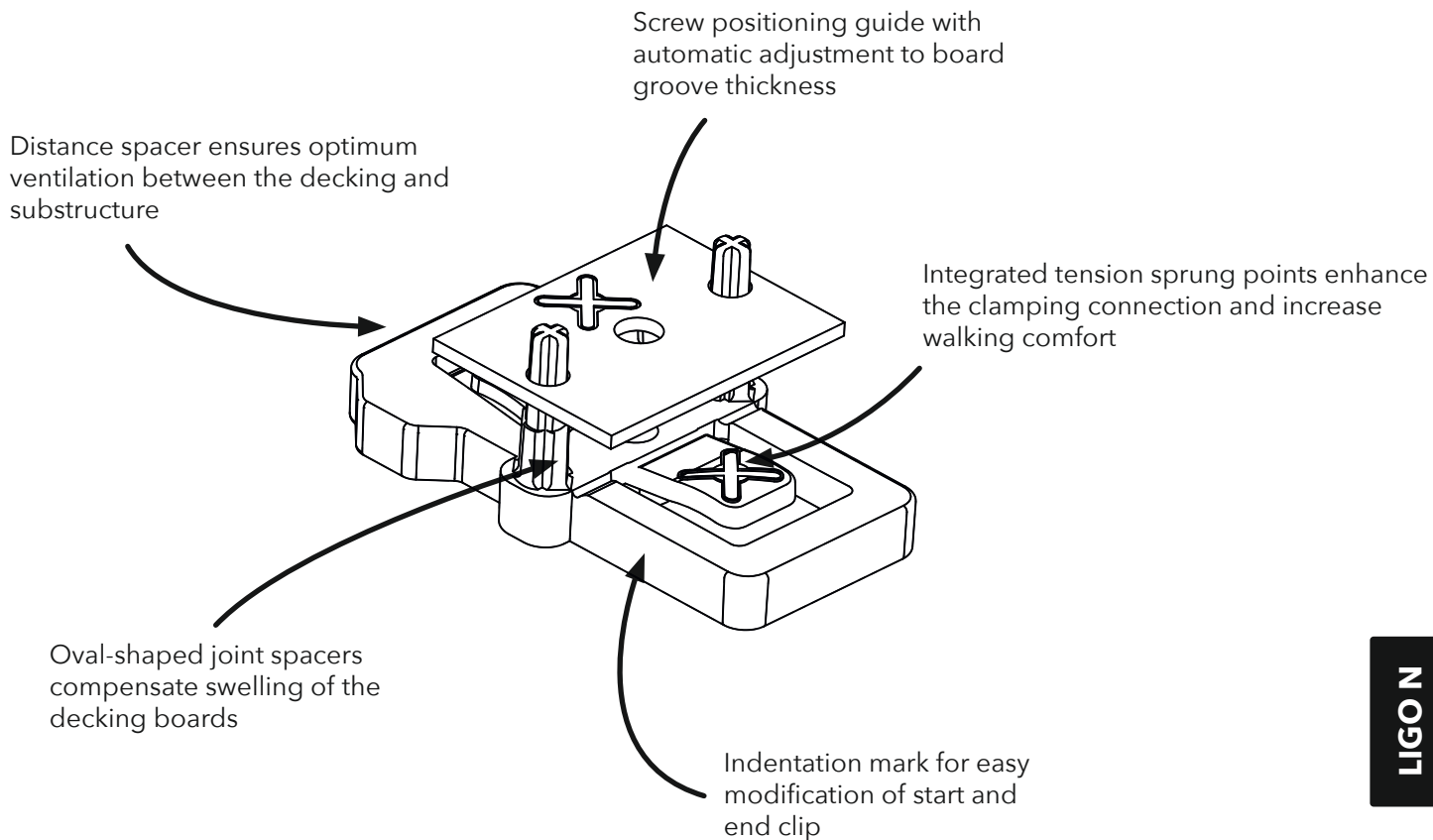


MODEL	LIGO N34						LIGO N47					
Dimensions	UNIA 4,8 x 34 mm						UNIA 4,8 x 47 mm					
N [mm]	6	8	9	10	11	12	6	8	9	10	11	12
L1 [mm]	20,5	18,5	17,5	16,5	15,5	14,5	33,5	31,5	30,5	29,5	28,5	27,5
RELO N	■	■	■	■	■	■						
WOODEN sub.							■	■	■	■	■	■

- Compatible substructures
 - RELO N36 aluminium system rail with integrated screw channel
 - Wooden substructures made of softwoods such as larch, douglas fir, thermo spruce, thermo pine, ...



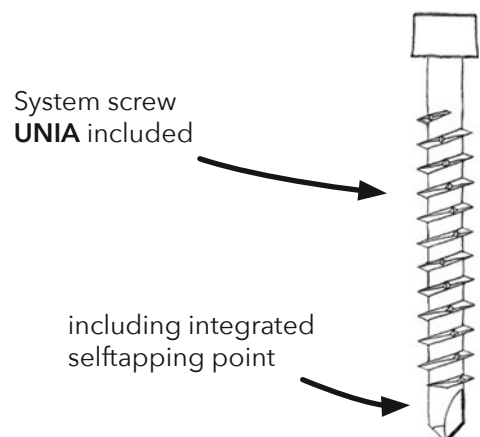
LIGO N HIGHLIGHTS



LIGO N

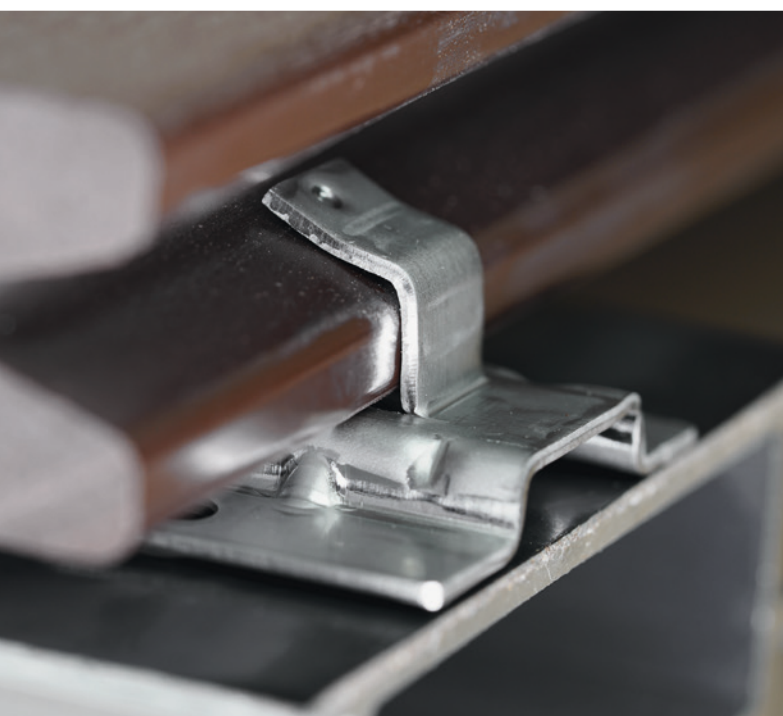
OVERVIEW

Fixing:	concealed system
Fixing type:	sliding point - sliding point
Space distance:	6,0 mm
Decking board:	For modified and dimensionally stable wood species or composite boards with lateral side grooves
Dim. Groove plate:	L 32 mm W 24 mm
Material Groove plate:	stainless steel with black Surface coating
Material distance spacer:	ABS plastic black
Board replacement:	possible
UNIA drilling capacity:	ca. 3 mm thick Aluminium
Special feature:	easy modification to the starter and end clip



ZONA

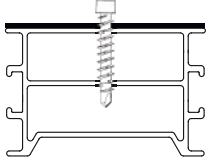

WPC DECKING CONNECTOR











RELO K
Substructure rail with two screw plates for a secure hold

GUMO K
Protection and isolating tape

Recommended system accessories

FEATURES

						
Data sheet	Tips & Tricks	Video	SET Pack	Display stand	Branding	Stainless steel

Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
013604002	ZONA2 WPC decking connector	stainless steel A2	PU 100 PCS	9009941016478	1,240 kg	7326 90 98
013702002	ZONA2 S WPC decking connector, starter-end piece	stainless steel A2	PU 50 PCS	9009941016485	0,490 kg	7326 90 98

Included in every package are the required UNIA1 system screws 4,2 x 28 mm



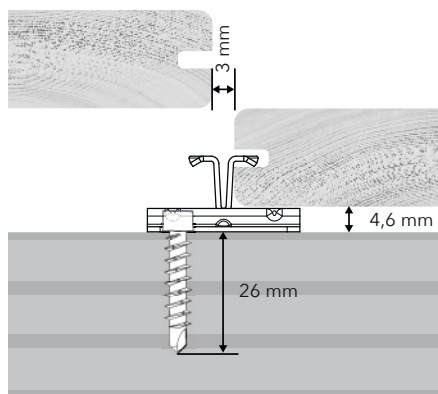
ZONA DETAILS

The **ZONA** stainless steel composite decking connector guarantees easy, fast and uncomplicated assembly.

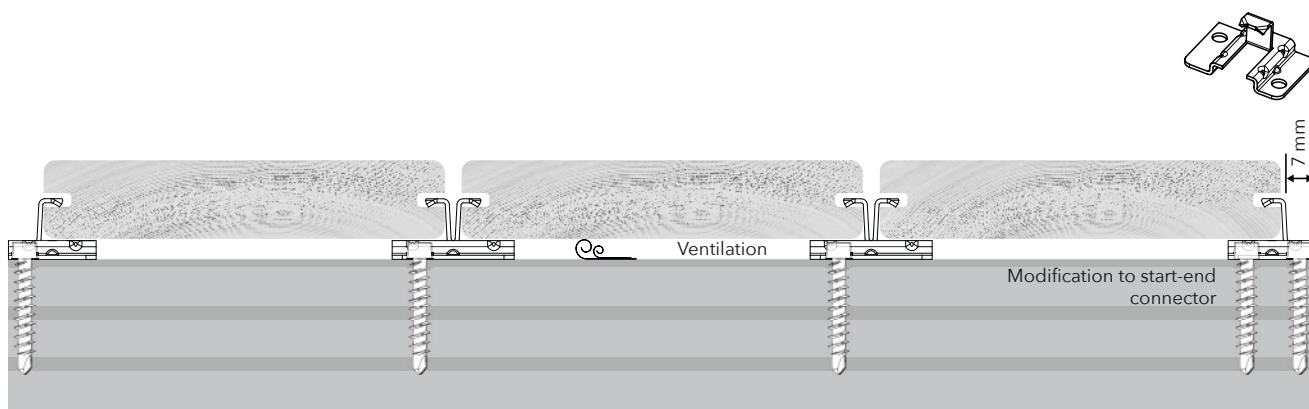
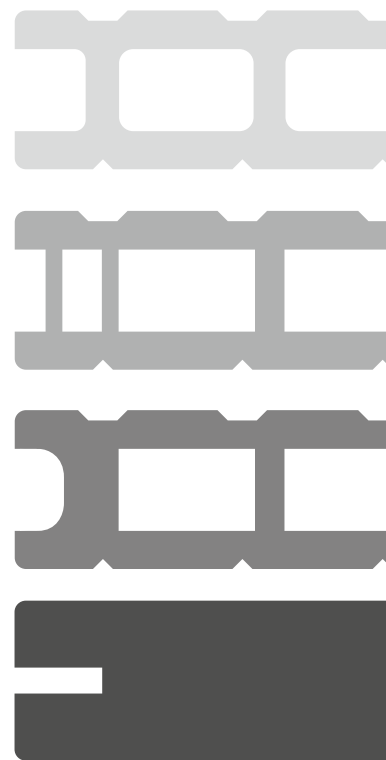
Two parallel-guided mounting zones ensure a trouble-free decking connection, creates an additional ventilation level, prevents protruding screw heads and allow mounting to metal substructures.

The attachment arms for securing the board into position are tension sprung and tolerate any production-related irregularities of the board profile. Weather-related dimensional changes [shrinkage and swelling] are also compensated.

The decking connector ZONA is a customized product for our manufacturing customers and is produced to order, starting from a production quantity of 0.5 million units.



ZONA can be adapted to a wide range of profile geometries



ZONA HIGHLIGHTS

Board reception plate enables trouble-free decking board insertion

Two screw guide holes for multidirectional mounting

Customizable groove engagement holding arms

Mounting plate for the substructure permits a secure screw connection

Integrated ventilation base plate for structural protection

Compatible start and end connectors

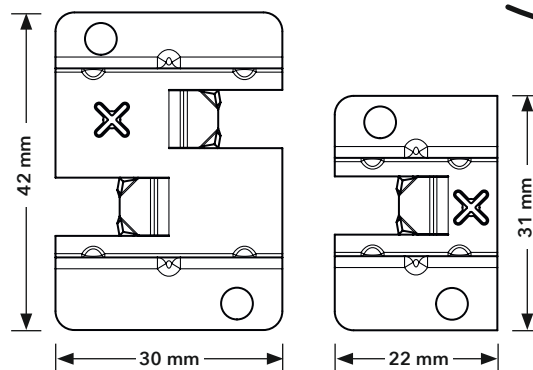
ZONA

System screw
UNIA included

including
integrated self-
tapping point

OVERVIEW

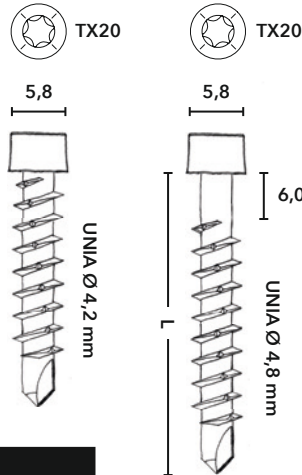
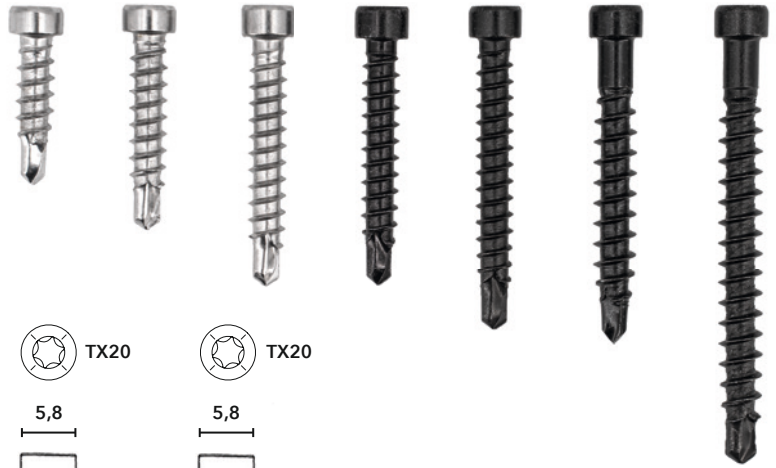
Fixing:	concealed system
Fixing type:	Sliding point - sliding point
Joint distance:	3,0 mm
Decking board:	For composite boards with lateral side grooves
Dimensions:	B 42 mm W 30 mm H 4,6 mm
Start-End connector:	B 31 mm W 22 mm H 4,6 mm
Material:	Stainless steel A2
UNIA drilling capacity:	ca. 3 mm thick Aluminium
Special feature:	2 mounting zones



UNIA

SYSTEM SCREW





L	UNIA1		UNIA4
	Ø 4,2	Ø 4,8	Ø 4,8
17	■		
22	■		
28	■		
33	■		
34		■	■
47		■	■

OVERVIEW

Application:	mounting of Metal or plastic components
Length:	17 - 47 mm
Diameter:	4,2 mm und 4,8 mm
Head:	Cylinder head Ø 5,8 mm
Screw head:	TX20
Self-tapping point:	suitable for wood or Aluminium
Drilling capacity:	ca. 3 mm thick Aluminium
Material:	hardened stainless steel hardened stainless steel with black surface coating
Packaged with:	TIGA, DILA, SUPRO, PLATA, LIGO and ZONA

FEATURES



Data sheet



Tips & Tricks



Stainless steel

Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
010901001	UNIA1 4,2 x 17 mm, system screw *	tempered stainless steel, full thread, TX20	PU 200 PCS	9009941014900	0,269 kg	7318 14 10
011001001	UNIA1 4,2 x 22 mm, system screw *	tempered stainless steel, full thread, TX20	PU 200 PCS	9009941014917	0,332 kg	7318 14 10
014301000	UNIA1 4,2 x 28 mm, system screw *	tempered stainless steel, full thread, TX20	PU 100 PCS	9009941014924	0,224 kg	7318 14 10
014301001	UNIA1 4,2 x 28 mm, system screw *	tempered stainless steel black, full thread, TX20	PU 100 PCS	9009941008671	0,224 kg	7318 14 10
014901001	UNIA1, 4,2 x 33 mm, system screw *	tempered stainless steel black, full thread, TX20	PU 100 PCS	9009941016348	0,254 kg	7318 14 10

Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
014101002	UNIA1 4,8 x 34 mm, system screw *	tempered stainless steel black, partial thread, TX20	PU 80 PCS	9009941012449	0,228 kg	7318 14 10
014201002	UNIA1 4,8 x 47 mm, system screw *	tempered stainless steel black, partial thread, TX20	PU 80 PCS	9009941011893	0,310 kg	7318 14 10
019801002	UNIA4 4,8 x 34 mm, system screw *	stainless steel A4 black, partial thread, TX20	PU 80 PCS	9009941017666	0,228 kg	7318 14 10
019901002	UNIA4 4,8 x 47 mm, system screw *	stainless steel A4 black, partial thread, TX20	PU 80 PCS	9009941017680	0,310 kg	7318 14 10

* These packing units can not be branded



RELO V

VENTILATION DRAINAGE GRATE





FEATURES



Instructions



Data sheet



Tips & Tricks



Video

Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
014400000	RELO V ventilation profile *	1.200 x 150 x 20 mm anodizedt	PU 10 PCS	9009941013569	14,390 kg	7604 21 00
014500000	RELO VA supporting section *	1.880 mm	PU 14 PCS	9009941013576	5,460 kg	7604 21 00

Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
011001001	UNIA1 4,2 x 22 mm, system screw *	tempered stainless steel, full thread, TX20	PU 200 PCS	9009941014917	0,332 kg	7318 14 10

* These packing units can not be branded



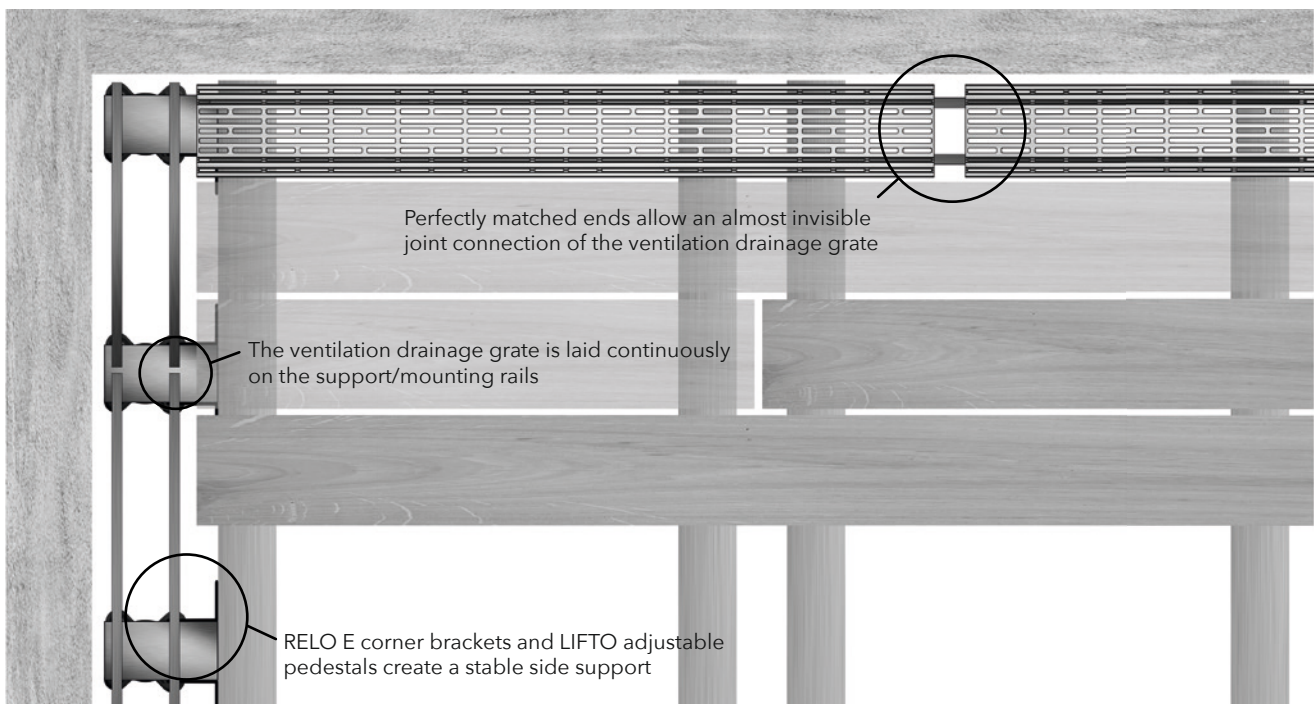
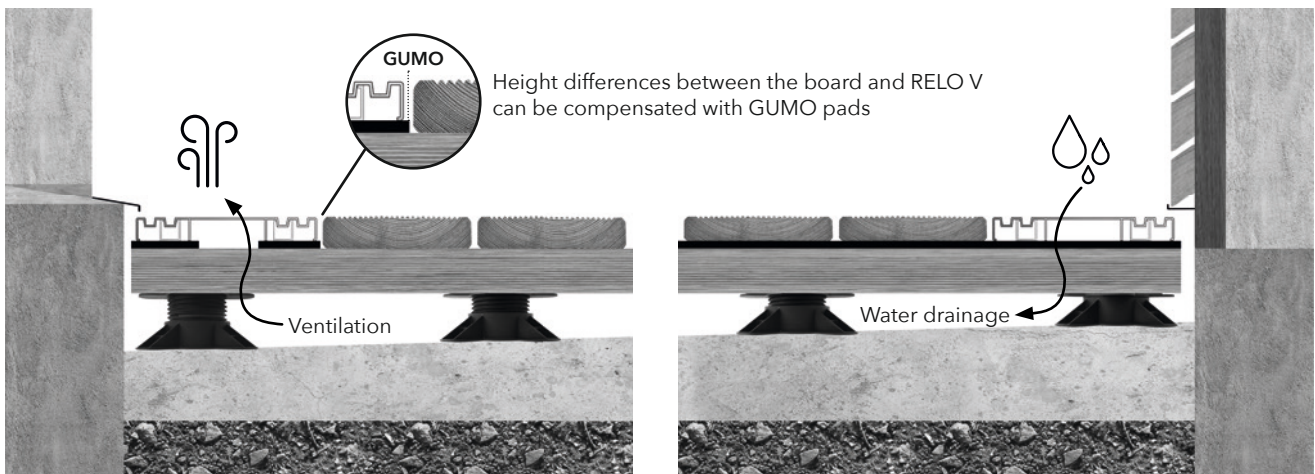
RELO V DETAILS

The ventilation drainage grate **RELO V** is perfectly suited to any decking project made of wood or wood-like materials. With a width of 150 mm it allows for necessary ventilation of the substructure and decking boards.

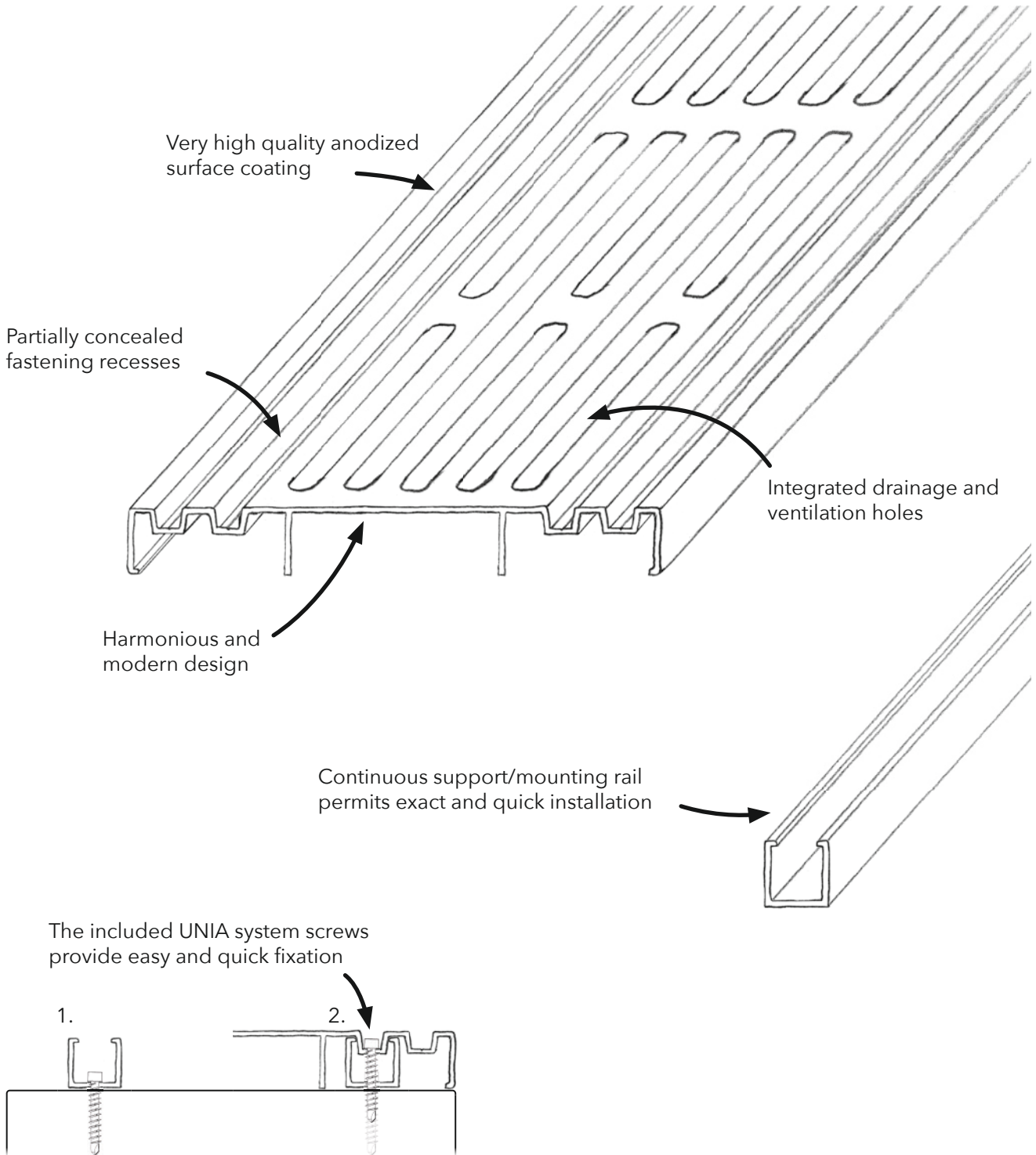
Dirt and discoloration on vertical elements adjacent to the decking area i.e. facades, doors, patio doors/windows etc. from water spray is drastically minimized due to the incorporated drainage holes.

The ventilation drainage grate made of aluminum with a high-quality anodized surface coating integrates perfectly into every decking project and creates a harmonious transition to the adjacent objects.

The logistically-optimized length of 1.200 mm and the matching support/mounting rail with a length of 1.880 mm enable continuous, simple and quick installation. If required, disassembly can be done easily.



RELO V HIGHLIGHTS



RELO V

OVERVIEW	RELO V
Dimensions:	1.200 x 150 x 20 mm
Material:	Aluminium EN AW 6060
Surface coating:	Silver anodized E6/EV1
Accessories:	UNIA 4,2 x 22 mm Required amount 6 pcs per RELO V
Special features:	Compatible with other substructure joists

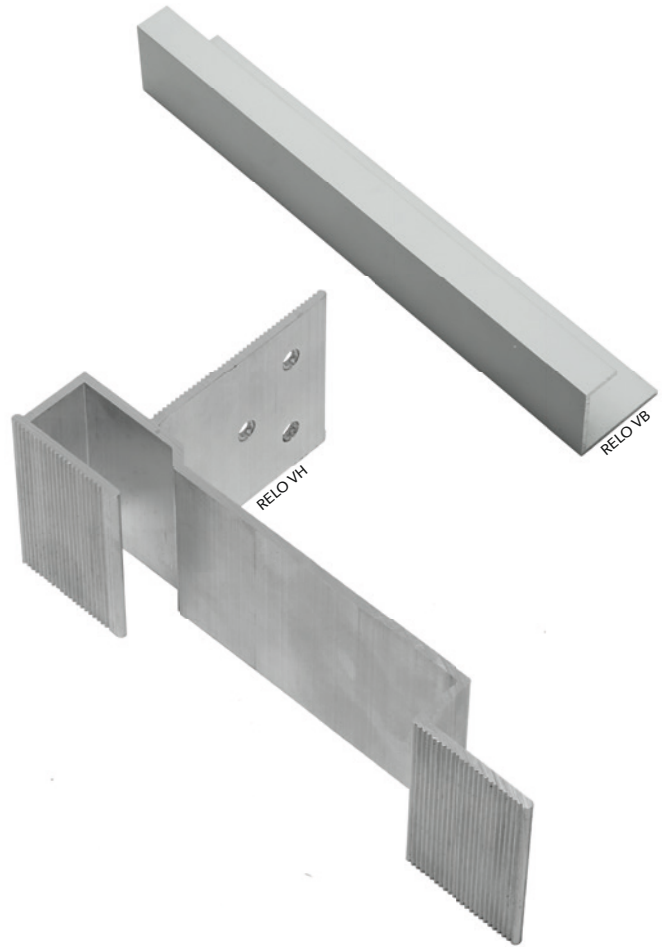
OVERVIEW	RELO VA
Dimensions:	1.880 x 18 x 17 mm
Material:	Aluminium EN AW 6060
Surface coating:	Aluminium mill finish
Accessories:	UNIA 4,2 x 22 mm Required amount 5 pcs per RELO VA







RELO V

SYSTEM ACCESSORIES





FEATURES

 Instructions	 Data sheet	 Tips & Tricks	 SET Pack
---	---	--	---

Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
033203000	RELO VB ventilation profile cover	150 mm anodized	PU 4 PCS	9009941015341	0,250 kg	7604 21 00

Included in every package are the required UNIA1 system screws 4,2 x 22 mm

Product No.	Description 1	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
033305000	RELO VH ventilation profile holder	PU 12 PCS	9009941015358	0,830 kg	7604 21 00

Included in every package are the required UNIA1 system screws 4,2 x 17 mm



RELO V DETAILS

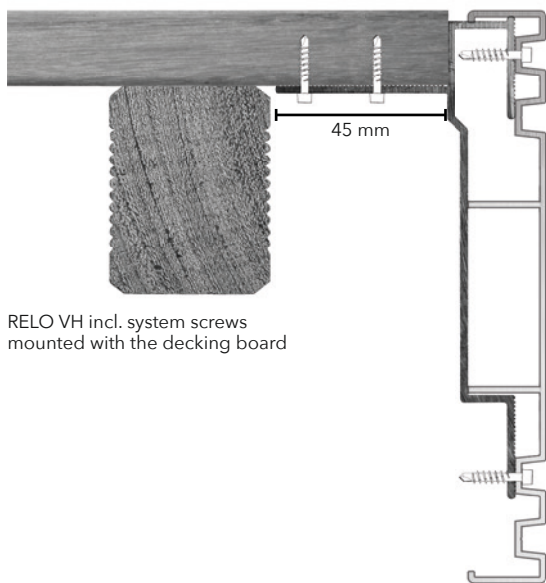
SYSTEM ACCESSORIES

The RELO V ventilation profile can be converted to a visually pleasing side panel feature.

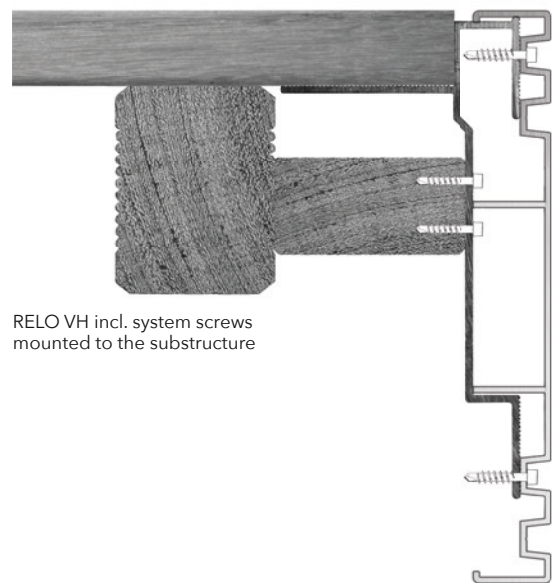
Permanent ventilation and air circulation guarantees a long service life and prevents disturbances to the entire terrace construction.

The unique **RELO VH** bracket allows easy mounting of the ventilation profile and is compatible with board thicknesses from 20 - 42 mm. The brackets RELO VH are either pre-mounted to the underside of the decking boards during the installation process or directly to the substructure, they can also be retrofitted to pre-existing substructures. If necessary, the ventilation profile and bracket can be shortened in height.

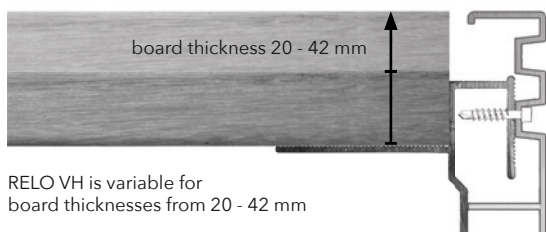
The **RELO VB** corner closure cap provides a decorative front and end finish.



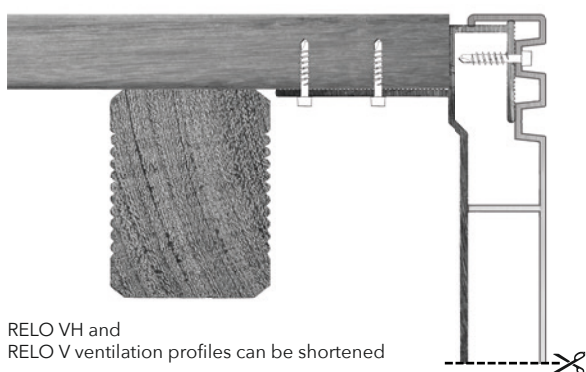
RELO VH incl. system screws mounted with the decking board



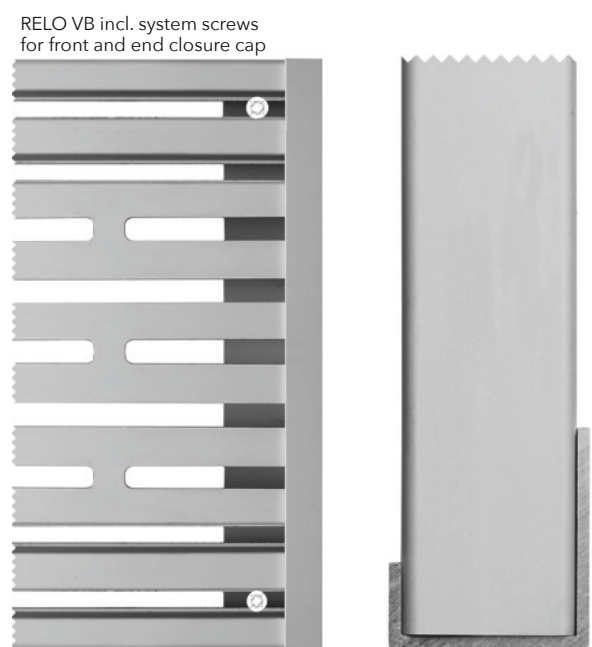
RELO VH incl. system screws mounted to the substructure



RELO VH is variable for board thicknesses from 20 - 42 mm



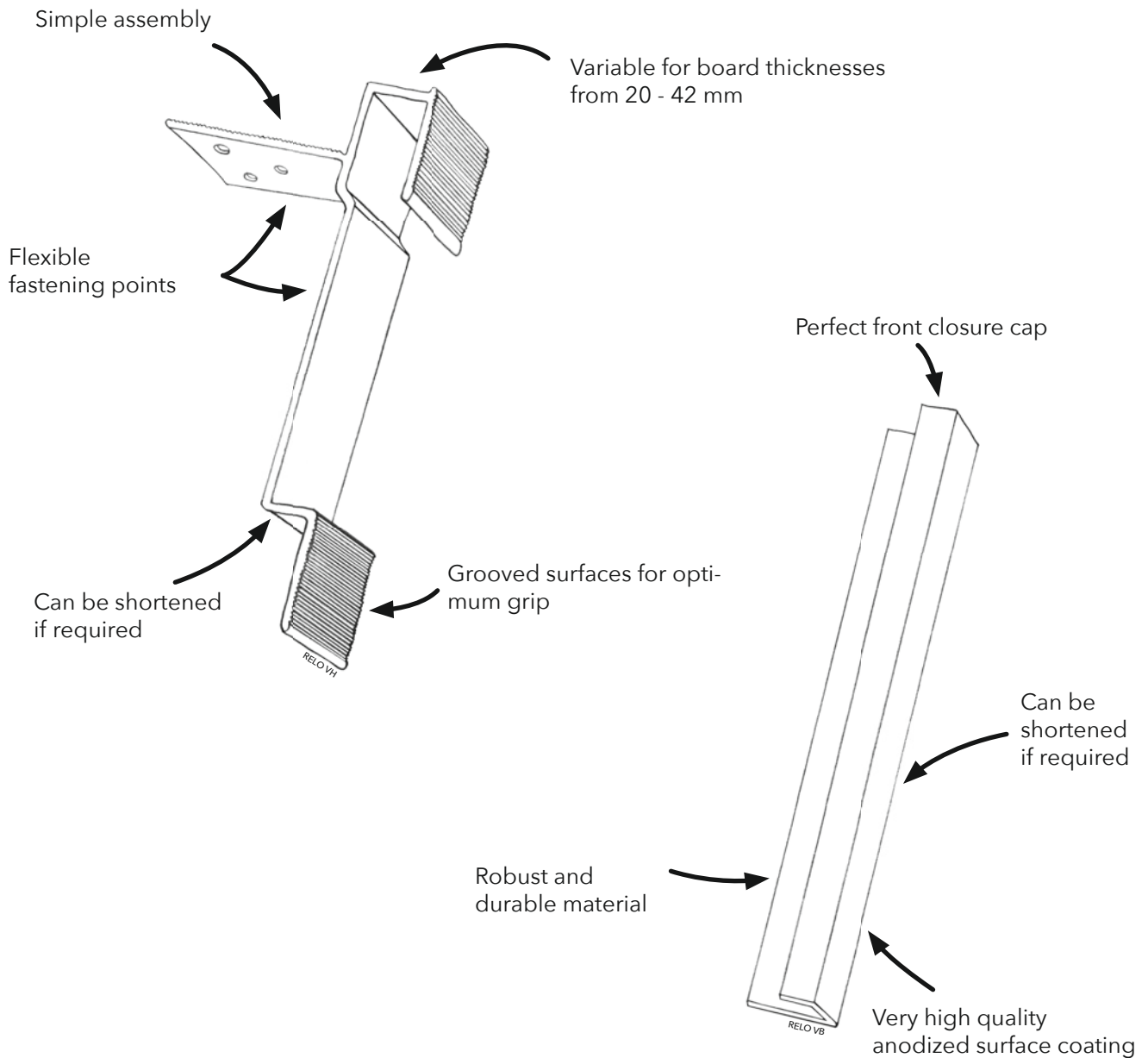
RELO VH and RELO V ventilation profiles can be shortened



RELO VB incl. system screws for front and end closure cap

RELO V HIGHLIGHTS

SYSTEM ACCESSORIES



RELO V

OVERVIEW	RELO VH
Dimensions:	B 40 mm x H 125 mm
Material:	Aluminium EN AW 6060
Surface coating:	Aluminium mill finish
Accessories:	5 x UNIA 4,2 x 17 mm are included
Required amount:	3 pcs per RELO V
Special features:	can be shortened in height

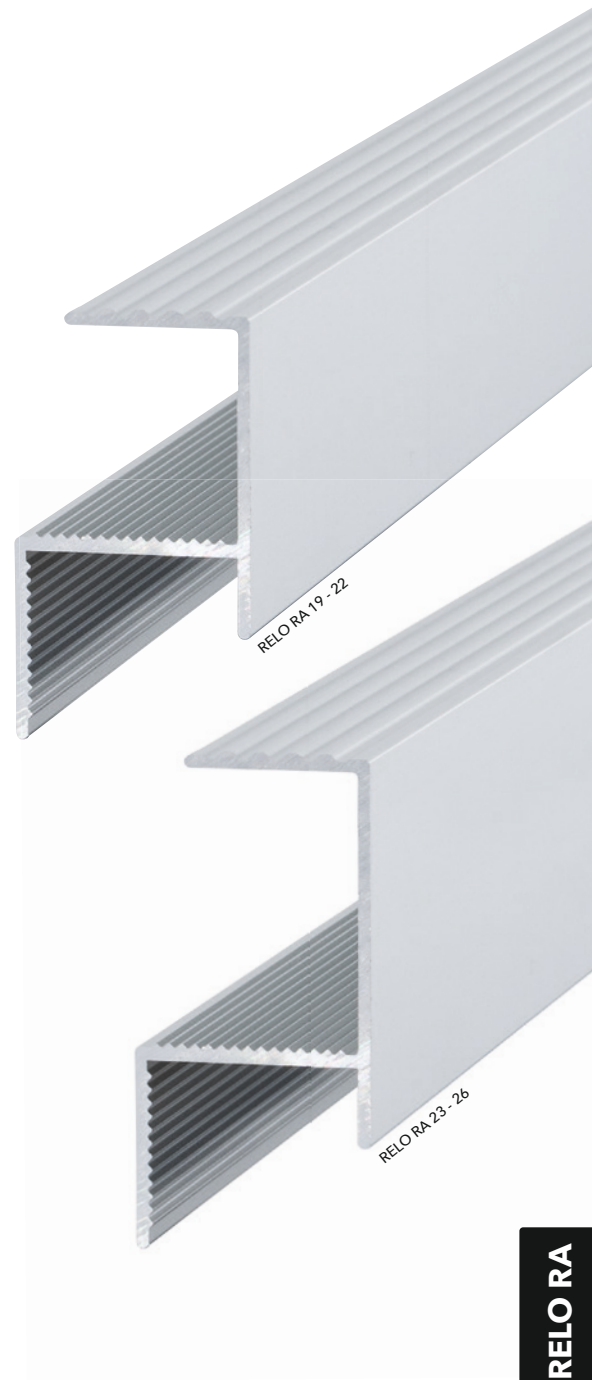
OVERVIEW	RELO VB
Dimensions:	L 150 mm 25 x 20 x 10 mm
Material:	Aluminium EN AW 6060
Surface coating:	Silver anodized E6/EV1
Accessories:	2 x UNIA 4,2 x 22 mm are included
Special features:	can be shortened in height



RELO RA

EDGE FINISHING TRIM PROFILE





RELO RA

FEATURES



Data sheet



Tips & Tricks

Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PC	Customs tariff no.
033400000	RELO RA Edge finishing trim profile 19 - 22 mm *	2000 mm anodised	PU 10 PCS	9009941017437	8,50 kg	7604 21 00
033500000	RELO RA Edge finishing trim profile 23 - 26 mm *	2000 mm anodised	PU 10 PCS	9009941017901	8,82 kg	7604 21 00

* These packing unit can not be branded



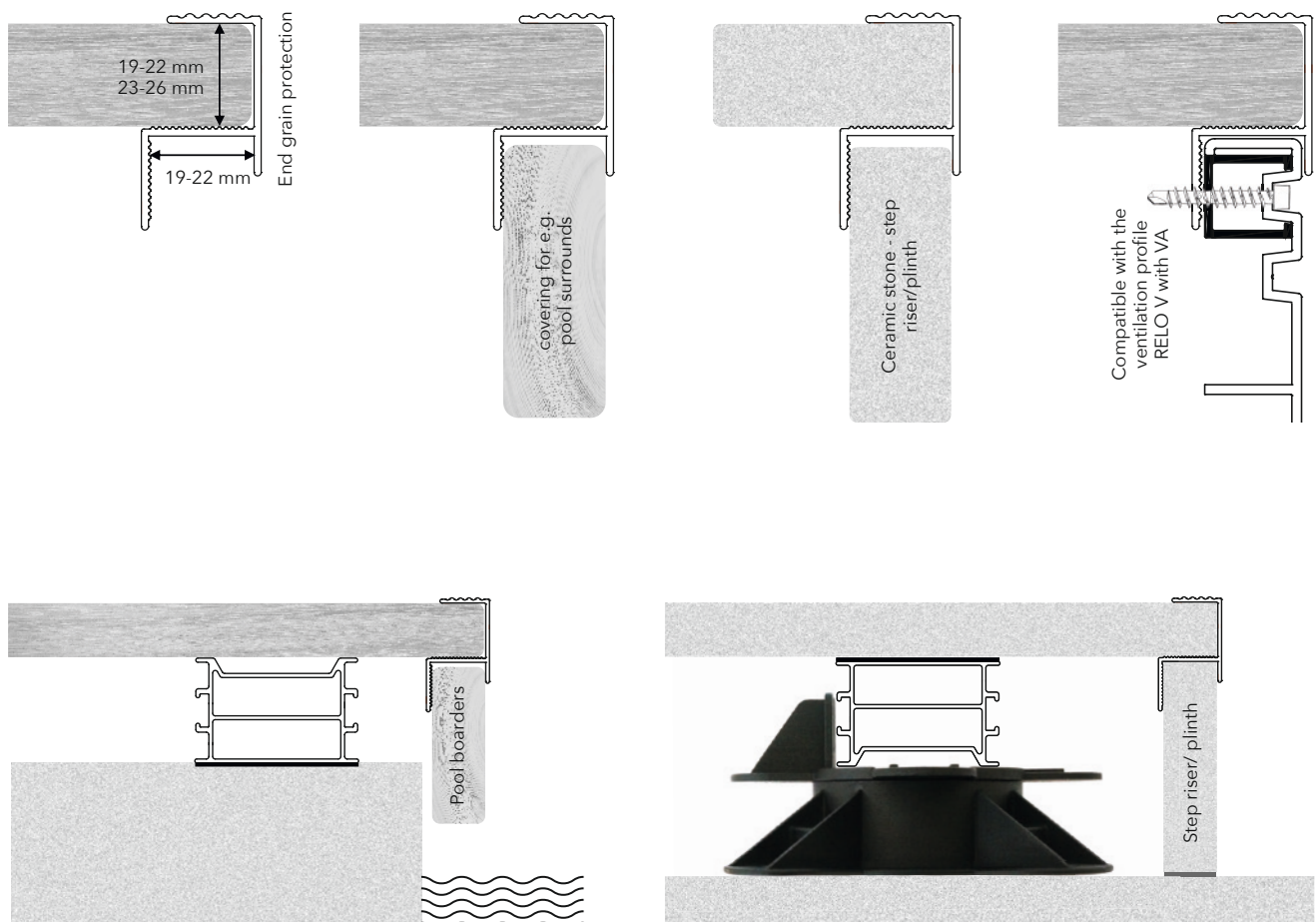
RELO RA DETAILS

The **RELO RA** edge finishing trim profile is the perfect finishing touch and design feature for any terrace made of wood, wood-like materials or ceramic tiles.

The simple installation and universal applications facilitate a wide range of possibilities: e.g. for pool border surrounds, stair treads, terrace borders with additional components such as the ventilation profile RELO V.

Made from high-grade aluminium with anodized surface coating, the RELO RA protects exposed edges of decking boards, covers cut edges of ceramic tiles and conceals visible rough cuts.

The RELO RA profiles are glued at specific points in contact with ceramic tiles. For decking applications made of wood or wood-like materials, they can also be glued or screwed at specific points.



RELO RA HIGHLIGHTS

Anti-slip ribbed design with high-quality anodised surface coating

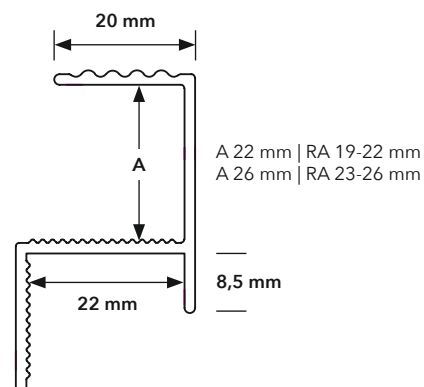
Ribbed surface for strong glue adhesion

Riser/plinth recess and housing for RELO V

RELO RA

OVERVIEW

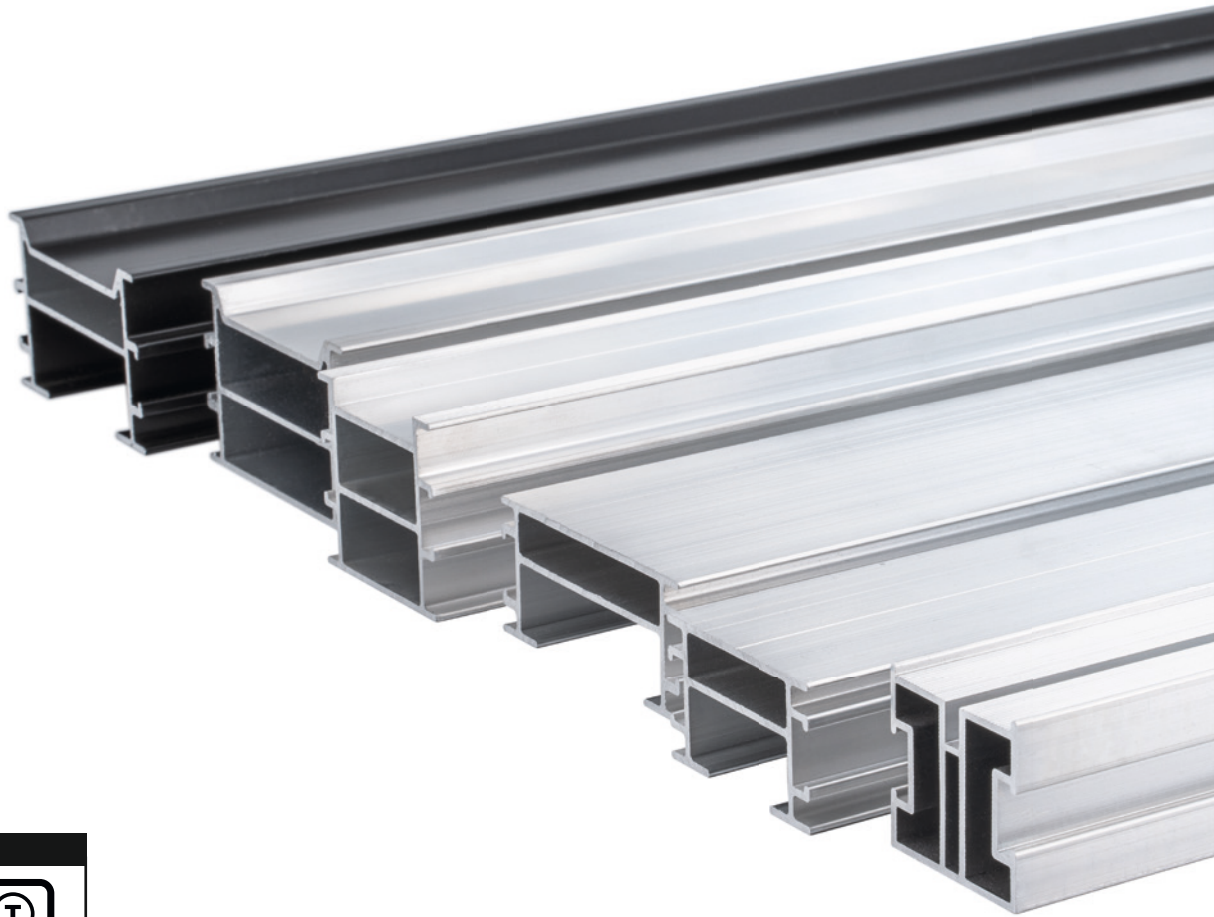
Dimensions:	Length 2.000 mm RELO RA 19-22 mm Board thickness from 19-22 mm RELO RA 23-26 mm Board thickness from 23-26 mm
Material:	Aluminium EN AW 6060
Surface coating:	Silver anodized E6/EV1
Accessories:	UNIA 4,2 x 28 mm for RELO V + VA Mounting
Special features:	Compatible with RELO V, decking boards and ceramic tiles



RELO

SUBSTRUCTURE JOIST





FEATURES



Data sheet



Tips & Tricks

Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PC	Customs tariff no.
011700002	RELO U 64 substructure joist *	64 x 28 x 2000 mm, bright	PU 99 PCS	9009941008756	1,840 kg	7604 21 00
011700001	RELO U 64 substructure joist *	64 x 28 x 4000 mm, bright	PU 99 PCS	9009941008749	3,684 kg	7604 21 00
011700004	RELO U 64 substructure joist *	64 x 28 x 4000 mm, black	PU 99 PCS	9009941010902	3,684 kg	7604 21 00
009400004	RELO P 64 substructure joist *	64 x 41 x 2000 mm, bright	PU 99 PCS	9009941008695	2,160 kg	7604 21 00
009400002	RELO P 64 substructure joist *	64 x 41 x 4000 mm, bright	PU 99 PCS	9009941008015	4,320 kg	7604 21 00
009400005	RELO P 64 substructure joist *	64 x 41 x 4000 mm, black	PU 99 PCS	9009941010193	4,320 kg	7604 21 00
011800002	RELO K 64 substructure joist *	64 x 41 x 2000 mm, bright	PU 99 PCS	9009941008725	2,450 kg	7604 21 00
011800001	RELO K 64 substructure joist *	64 x 41 x 4000 mm, bright	PU 99 PCS	9009941008718	4,892 kg	7604 21 00
011800004	RELO K 64 substructure joist *	64 x 41 x 4000 mm, black	PU 99 PCS	9009941010919	4,892 kg	7604 21 00

Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PC	Customs tariff no.
011700010	RELO U 45 substructure joist *	45 x 28 x 2000 mm, bright	PU 144 PCS	9009941015754	1,480 kg	7604 21 00
011700011	RELO U 45 substructure joist *	45 x 28 x 4000 mm, bright	PU 144 PCS	9009941015761	2,960 kg	7604 21 00
011700012	RELO U 45 substructure joist *	45 x 28 x 4000 mm, black	PU 144 PCS	9009941015778	2,960 kg	7604 21 00
011800010	RELO K 45 substructure joist *	45 x 41 x 2000 mm, bright	PU 144 PCS	9009941015785	1,840 kg	7604 21 00
011800011	RELO K 45 substructure joist *	45 x 41 x 4000 mm, bright	PU 144 PCS	9009941015792	3,680 kg	7604 21 00
011800012	RELO K 45 substructure joist *	45 x 41 x 4000 mm, black	PU 144 PCS	9009941015808	3,680 kg	7604 21 00

Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
016600000	RELO N 36 substructure joist *	36 x 34 x 2000 mm, bright	PU 144 PCS	9009941017161	1,730 kg	7604 21 00
016600001	RELO N 36 substructure joist *	36 x 34 x 4000 mm, bright	PU 144 PCS	9009941017178	3,460 kg	7604 21 00

RELO system accessories are recommended per RELO substructure joist.
* These packing units can not be branded

RELO



RELO DETAILS

The lateral channels running along the side of substructure joists are designed to house the **RELO** system accessories and facilitate the assembly of frame construction.

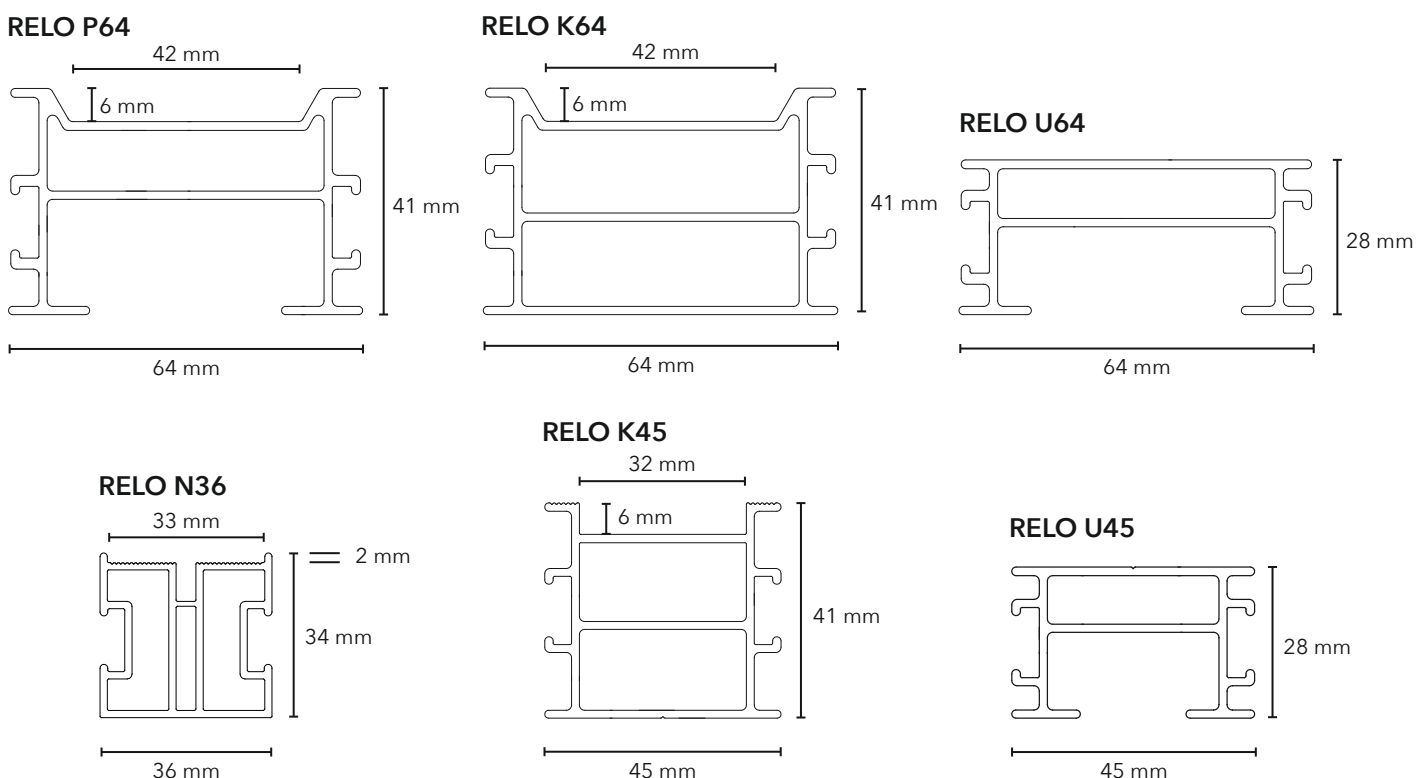
RELO P, K and **U** substructure joists are produced as standard with two 1.5 mm thick anchoring plates to ensure a secure screw fixation

RELO P is ideally suited for visible fixing applications - PROFILA stainless steel self-tapping screws. The integrated 6.0 mm deep ventilation channel ensures necessary ventilation and permits integral wood protection, at the same time reduces shearing effects that act on the screw.

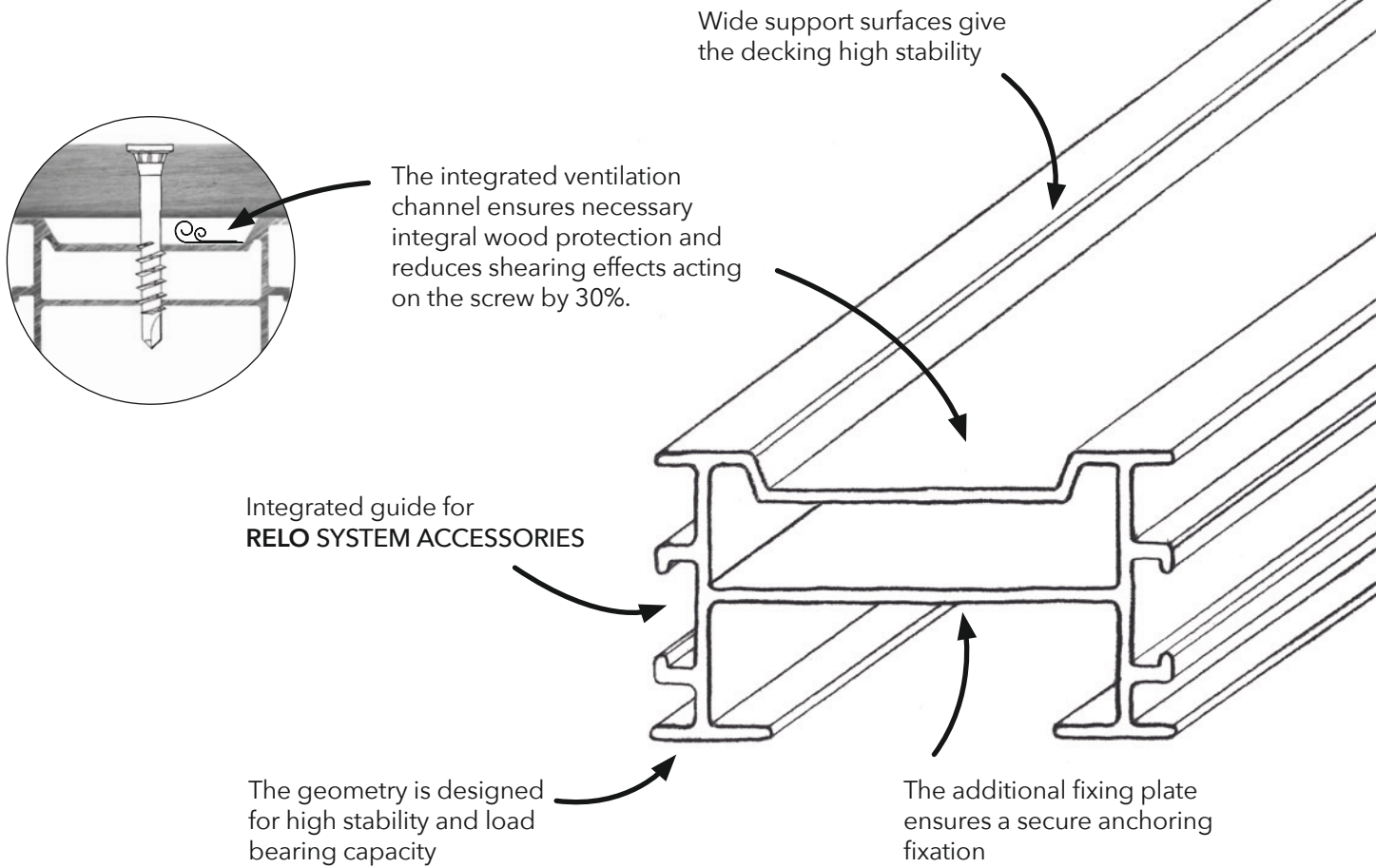
RELO K reversible joist system. Depending on the fastening system both surfaces can be utilized - ventilation channel or flat surface. Ceramic tiles can also be laid on the flat surface in combination with GUMO LGR 3 and conventional joint spacers.

RELO U ultra-slim design is used for low installation heights. Ceramic tiles can be laid on top in combination with GUMO LGR 3 and conventional joint spacers.

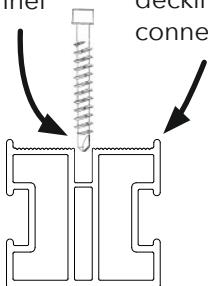
RELO N is a system-related substructure for LIGO and PLATA series. The integrated screw channel facilitates easy screwing in aluminium. In addition, the shear forces acting on the fastening are considerably reduced by the 9 mm recessed screw channel. Two lateral guide rails automatically align and centres the connector.



RELO HIGHLIGHTS

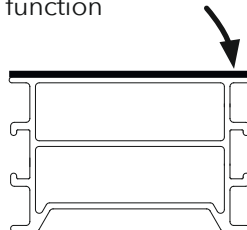


with integrated screw channel

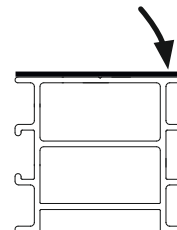


Guide rail for decking connectors LIGO

GUMO LGR 3 for laying of ceramic tiles with shock absorbing function



GUMO K separates both surfaces prone to friction when using stainless steel connectors



OVERVIEW	RELO N36	RELO K64		RELO K45		RELO U64	RELO U45	RELO P64
DILA	-	■	■/-	■	■/-	■	■	■/-
SUPRO	-	■	■/-	■	■/-	■	■	■/-
LIGO	■	■/-	■/-	■/-	■/-	■/-	■/-	■/-
PLATA	■	-	■/-	-	■/-	-	-	■/-
ZONA	-	■	-	-	-	■	-	-
PROFILA2	-	-	■	-	■	■/-	■/-	■
Ceramic	-	■	-	-	-	■	-	-

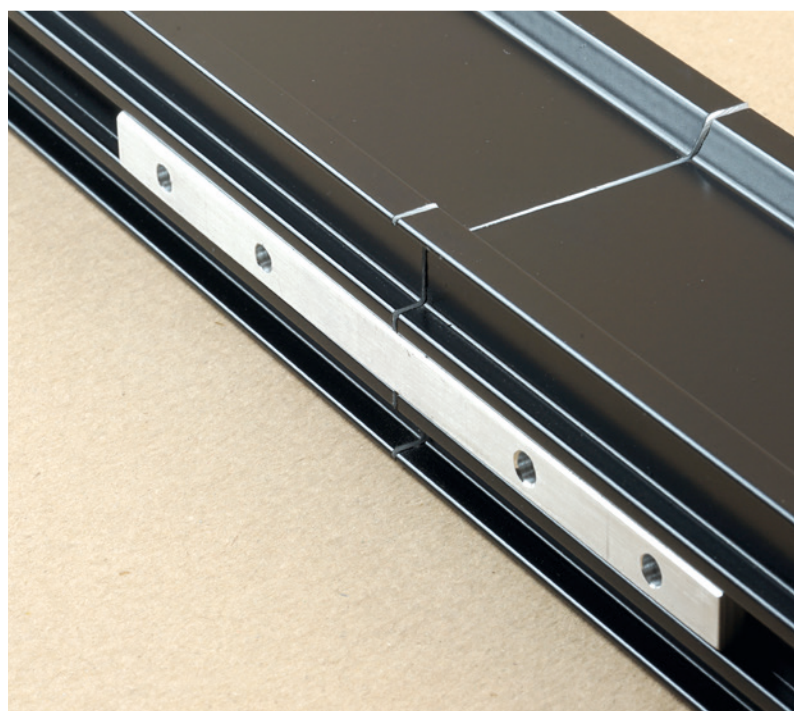
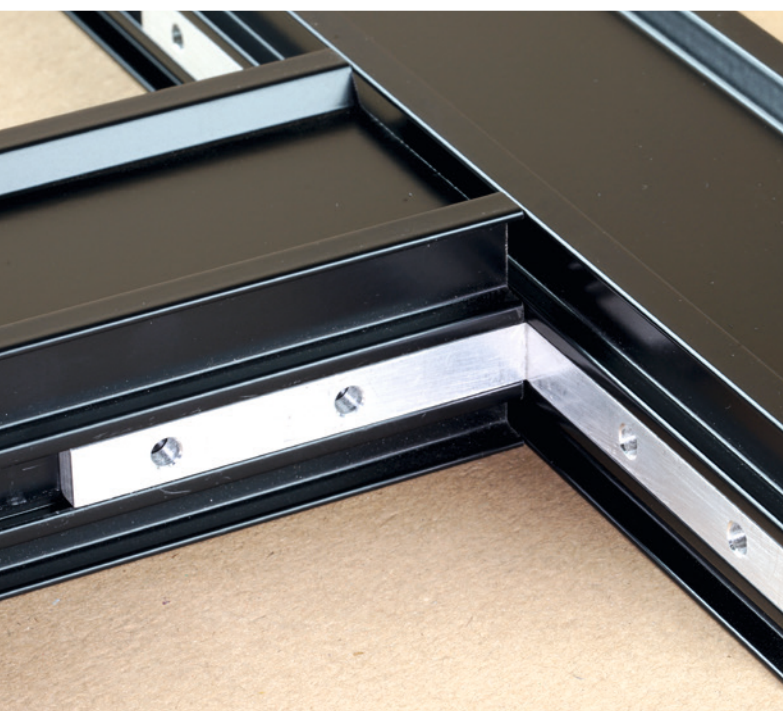
Key: ■ suitable | ■/- partially suitable [reduced ventilation and/or increased shear forces] | - not suitable
 Material: Aluminium AN AW 6060 T66 / optionally with powder-coated black surface RAL9005

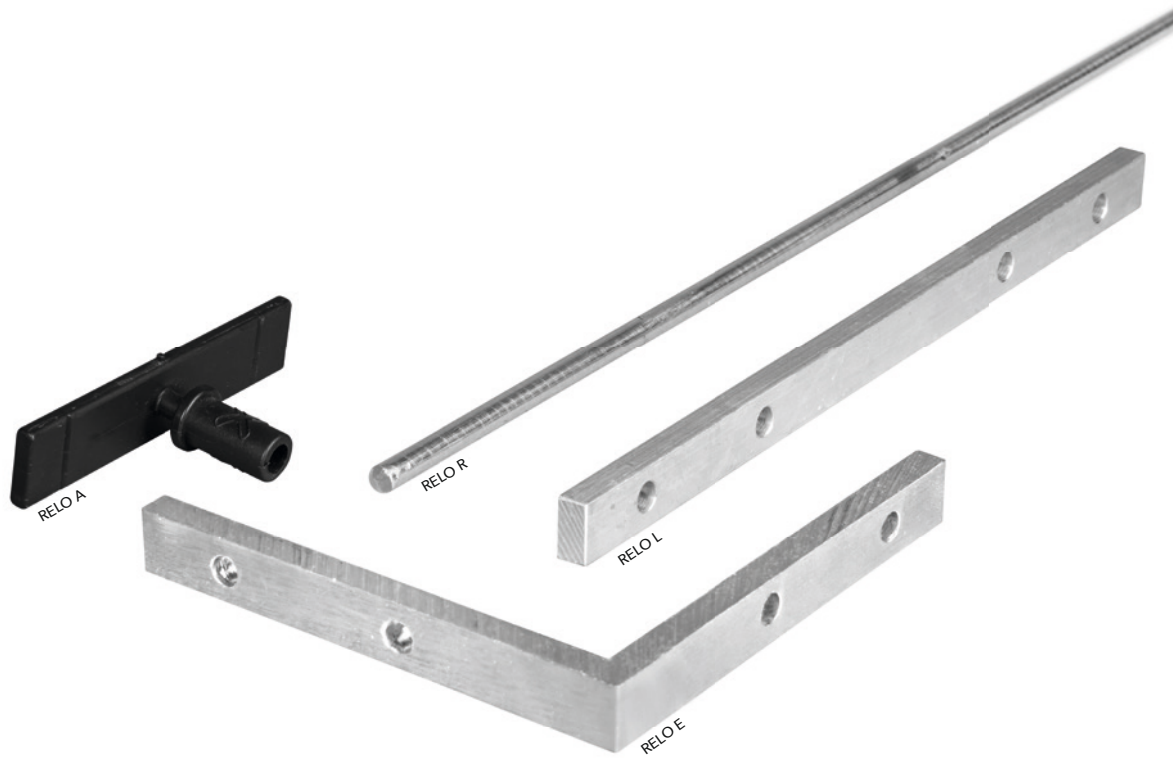
RELO



RELO

SYSTEM ACCESSORIES





FEATURES



Data sheet



Tips & Tricks



SET Pack



Branding

Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
014603000	RELO E corner joint angle	80 x 80 x 10 x 5 mm	PU 25 PCS	9009941013606	1,070 kg	7604 21 00
014603001	RELO E corner joint angle	80 x 80 x 10 x 5 mm	PU 50 PCS	9009941015013	1,350 kg	7604 21 00
014703000	RELO L along connector	160 x 10 x 5 mm	PU 25 PCS	9009941013613	1,070 kg	7604 21 00
014704001	RELO L along connector	160 x 10 x 5 mm	PU 50 PCS	9009941015020	1,490 kg	7604 21 00

Included in every package are the required UNIA1 system screw 4,2 x 17 mm

Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
009603000	RELO A, adapter for substructure joist		PU 40 PCS	9009941004871	0,165 kg	3926 90 97
009705000	RELO R370 Reling	370 mm	PU 20 PCS	9009941004895	1,031 kg	7217 20 30

RELO



RELO DETAILS

SYSTEM ACCESSORIES

The RELO system accessories enable a simple and quick system assembly of Terrace substructures.

RELO E corner brackets are used for interconnecting RELO substructure joists for frame construction, end/perimeter connections and insert connections.

RELO L extension brackets permit continuous length extension of the substructure joists. The longitudinal joist connections should be positioned directly over loadbearing points i.e. pedestals.

The corner and extension brackets are made from solid aluminium and fit perfectly into the lateral side channel guides, automatically aligning the joists.

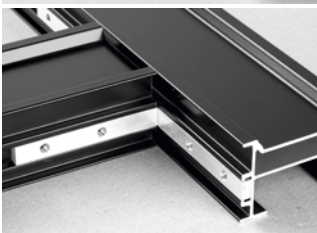
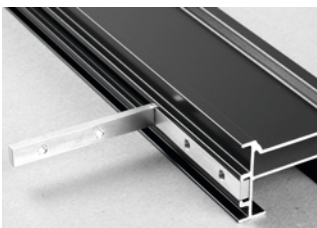
RELO A adapter is designed for screwless positioning of the substructure joists on the LIFTO adjustable pedestal and at the same time allows guidance for end to end joint connections.

RELO R railing is used for parallel alignment of the substructures and automatically gives a centre distance of 450 mm.

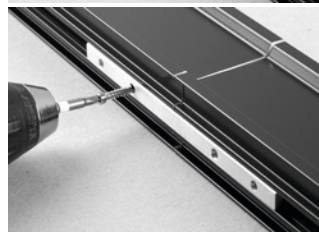
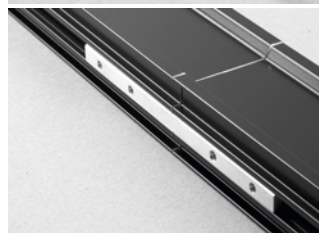
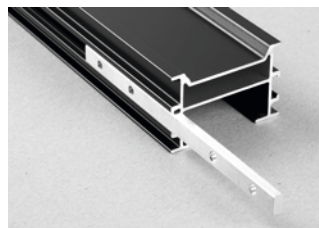
The hardened galvanized metal rods can be shortened if necessary.

RELO A and R can be combined quickly and easily through a simple plug-in connection

RELO E
Corner bracket



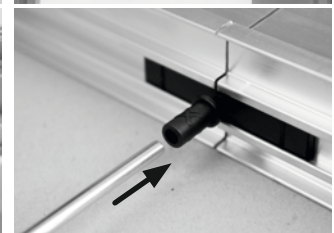
RELO L
Extension bracket



RELO A
Adapter



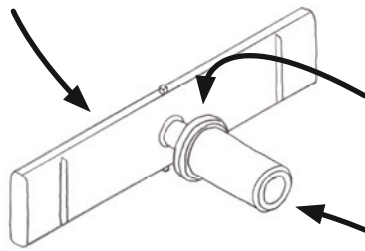
RELO R
Railing



RELO HIGHLIGHTS

SYSTEM ACCESSORIES

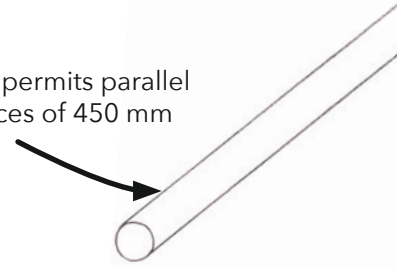
RELO A for a easy substructure extension



Screwless attachment for the LIFTO Pedestal

Screwless attachment for RELO R

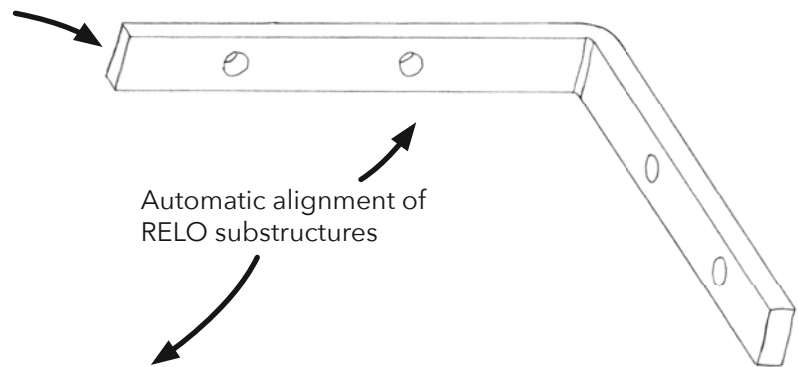
RELO R rail permits parallel axial distances of 450 mm



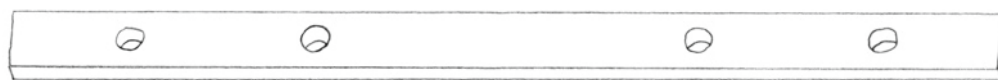
OVERVIEW	RELO A
Dimensions:	60 x 12 x 3 mm
Material:	PP plastic
Special features:	Screwless attachment for LIFTO and RELO R

OVERVIEW	RELO R
Dimensions:	4,0 x 370 mm
Material:	Hard galvanized metal rod
Special features:	Screwless attachment for RELO A

RELO E the efficient way of securing tangential joint connections



Automatic alignment of RELO substructures



RELO L permits continuous and offset-free longitudinal substructures connections

System screw UNIA 4,2 x 17 mm included with RELO E and RELO L



OVERVIEW	RELO E
Dimensions:	80 x 80 x 10 x 5 mm
Material:	Aluminium
System screw:	4 x UNIA 4,2 x 17 mm
Special features:	System screws included

OVERVIEW	RELO L
Dimensions:	160 x 10 x 5 mm
Material:	Aluminium
System screw:	4 x UNIA 4,2 x 17 mm
Special features:	System screws included

RELO



LIFTO

ADJUSTABLE PEDESTAL





LIFTO 35 - 55



LIFTO 55 - 95



LIFTO 95 - 135

LIFTO Height adjustment	Quantity Adapter for LIFTO 95 - 135 mm			
	A 20	A 40	A 60	A 80
35 - 55 mm				
55 - 95 mm				
95 - 135 mm				
115 - 155 mm	1			
115 - 155 mm		1		
115 - 155 mm			1	
115 - 155 mm				1
115 - 155 mm		1		1
115 - 155 mm				2



FEATURES

Data sheet	Tips & Tricks	Video	Display stand	Branding

Recommended system accessories

Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
005511000	LIFTO, 35 - 55 mm, adjustable pedestal		PU 10 PCS	9009941004154	1,450 kg	3926 90 97
005513000	LIFTO, 35 - 55 mm, adjustable pedestal		PU 30 PCS	9009941004178	3,780 kg	3926 90 97
005514000	LIFTO, 35 - 55 mm, adjustable pedestal *		PU 125 PCS	9009941012623	14,000 kg	3926 90 97
005515001	LIFTO, 35 - 55 mm, adjustable pedestal *	not preassembled	PU 200 PCS	9009941013279	23,500 kg	3926 90 97
005514010	LIFTO, 55 - 95 mm, adjustable pedestal *		PU 90 PCS	9009941017826	14,65 kg	3926 90 97
005515010	LIFTO, 55 - 95 mm, adjustable pedestal *	not preassembled	PU 150 PCS	9009941017840	24,60 kg	3926 90 97
005514015	LIFTO, 95 - 135 mm, adjustable pedestal *		PU 60 PCS	9009941017833	12,10 kg	3926 90 97
005515015	LIFTO, 95 - 135 mm, adjustable pedestal *	not preassembled	PU 120 PCS	9009941017857	24,00 kg	3926 90 97
005604000	LIFTO A, 20 mm, adapter for adjustable pedestal		PU 10 PCS	9009941005465	0,315 kg	3926 90 97
005611000	LIFTO A, 20 mm, adapter for adjustable pedestal		PU 60 PCS	9009941004246	1,670 kg	3926 90 97
005600001	LIFTO A, 20 mm, adapter for adjustable pedestal *		PU 650 PCS	9009941008893	14,620 kg	3926 90 97
005704000	LIFTO A, 40 mm, adapter for adjustable pedestal		PU 5 PCS	9009941005458	0,278 kg	3926 90 97
005711000	LIFTO A, 40 mm, adapter for adjustable pedestal		PU 30 PCS	9009941004284	1,570 kg	3926 90 97
005700001	LIFTO A, 40 mm, adapter for adjustable pedestal *		PU 350 PCS	9009941008909	13,270 kg	3926 90 97
033004000	LIFTO A, 60 mm, adapter for adjustable pedestal		PU 5 PCS	9009941015242	0,330 kg	3926 90 97
033011000	LIFTO A, 60 mm, adapter for adjustable pedestal		PU 20 PCS	9009941015259	1,450 kg	3926 90 97
033014000	LIFTO A, 60 mm, adapter for adjustable pedestal *		PU 250 PCS	9009941015266	13,200 kg	3926 90 97
033105000	LIFTO A, 80 mm, adapter for adjustable pedestal		PU 5 PCS	9009941015273	0,440 kg	3926 90 97
033111000	LIFTO A, 80 mm, adapter for adjustable pedestal		PU 16 PCS	9009941015280	1,450 kg	3926 90 97
033114000	LIFTO A, 80 mm, adapter for adjustable pedestal *		PU 175 PCS	9009941015297	11,700 kg	3926 90 97

* These packing units can not be branded

LIFTO DETAILS

Terrace substructures made of wood, wood-based materials or aluminum are simply, quickly and precisely levelled with the **LIFTO** terrace pedestal.

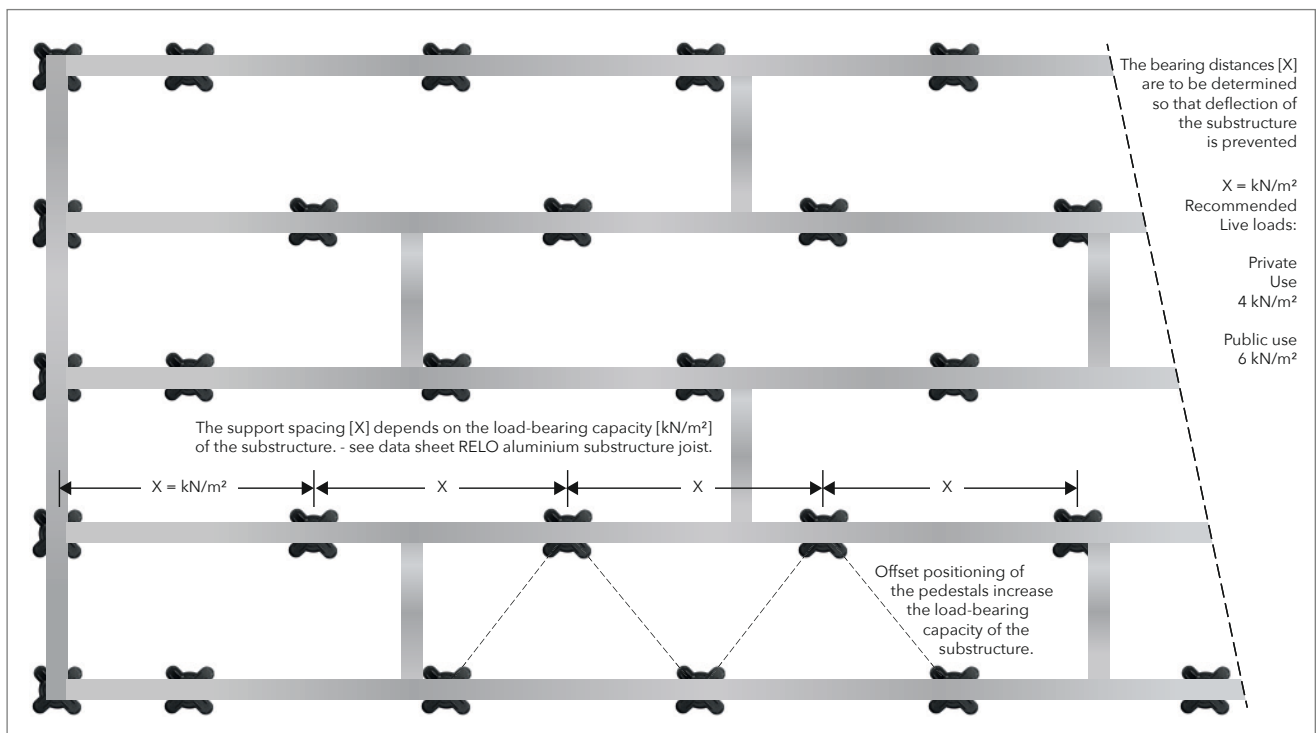
The continuously variable height adjustment offers millimeter accuracy allowing time-saving benefits and an easy assembly process.

Height differences of 35-135 mm can be extended to 295 mm with simple height adapters.

The X-shaped base plate is variable in position and secure in situ. The special form allows close edge positioning, for example against a wall or to closely align parallel joists for joining board ends. The x-shaped base plate is perfectly usable and advantageous over the common circular base plates.

The high loading capacity of the LIFTO Pedestal is achieved by reinforced tubular walling, precision molded threads and connecting parts. This guarantees lasting and stable mounting of the substructure.

Application			
Application	Concrete foundation / stone slabs	Position LIFTO directly on foundation or stone slabs	Image A
	Gravel or crushed stone	Position LIFTO on compacted concrete slabs	Image B
	Soil	Position LIFTO on compacted concrete slabs	Image C
	Insulated flat roofs	Position LIFTO on GUMO LGD/LGA pressure pad	Image D

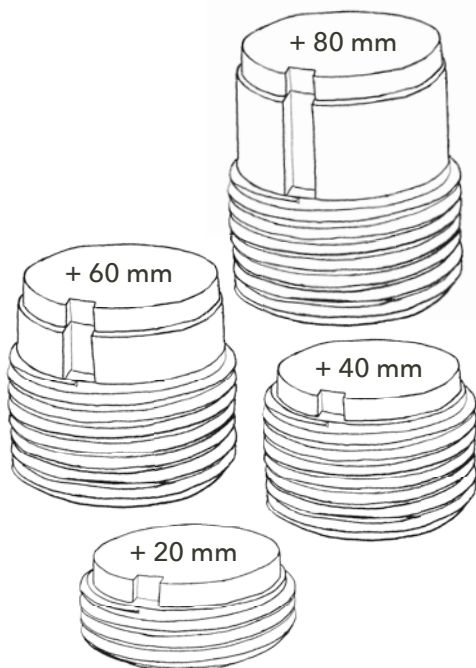
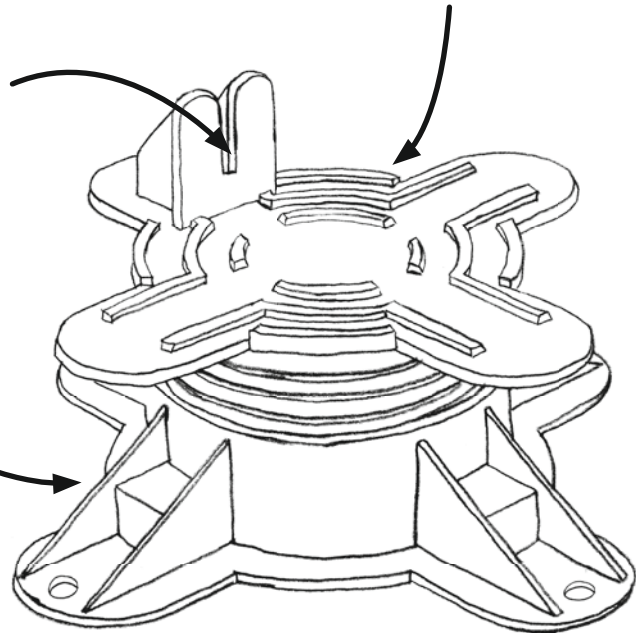


LIFTO HIGHLIGHTS

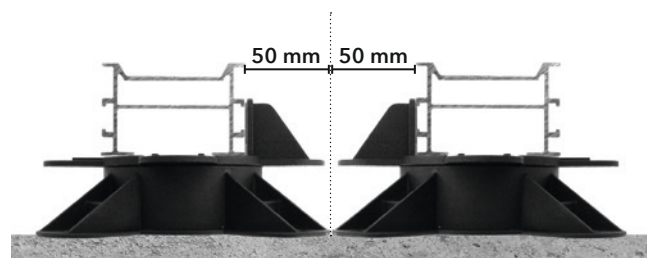
Large and robust support plate for substructures

Quick mounting for RELO A and UNIA

The X-shaped base plate is variable in position and secure in situ. The special form allows close edge positioning, for example against a wall or to closely align parallel joists for joining board ends



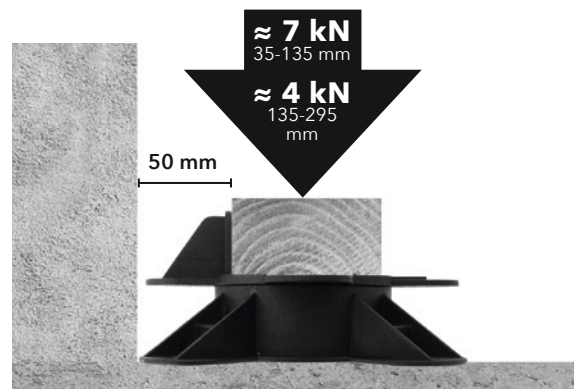
Simple intermediate adapters, for extending the height adjustment, provide maximum flexibility in assembly and storage



LIFTO end joint construction

OVERVIEW

Height range:	35-55 55-95 95-135 / max. 295 mm
Adapter A 20:	+ 20 mm height adjustment
Adapter A 40:	+ 40 mm height adjustment
Adapter A 60:	+ 60 mm height adjustment
Adapter A 80:	+ 80 mm height adjustment
Special features:	x-shaped base plate
Accessories:	GUMO LGA pressure distribution pad UNIA 4,2 x 22 mm RELO A
Dimensions:	Baseplate Ø 167 mm Support plate width 70 mm
Material:	PP Polypropylene Recycled



LIFTO wall alignment + load-bearing capacity




LIFTO K

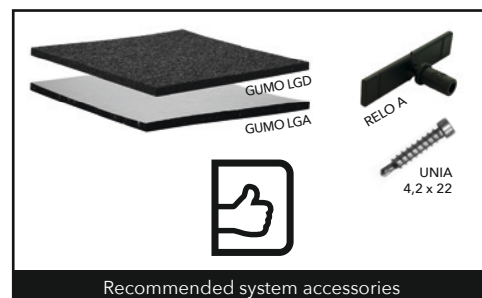
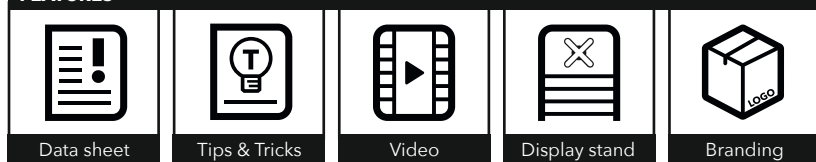
ADJUSTABLE PEDESTAL





	LIFTO KU KS Height adjustment	Quantity Adapter for LIFTO 80 - 140 mm
	50 - 80 mm	-
+	80 - 140 mm	-
	140 - 200 mm	1
	200 - 260 mm	2
	260 - 320 mm	3
+	320 - 380 mm	4
	380 - 440 mm	5
	440 - 500 mm	6

FEATURES



Product No.	Description 1	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
015213000	LIFTO KU, 50 - 80 mm, adjustable pedestal	PU 10 PCS	9009941013620	3,23 kg	3926 90 97
015214001	LIFTO KU, 50 - 80 mm, adjustable pedestal *	PU 50 PCS	9009941014955	14,20 kg	3926 90 97
015313000	LIFTO KU, 80 - 140 mm, adjustable pedestal	PU 6 PCS	9009941013637	2,65 kg	3926 90 97
015315001	LIFTO KU, 80 - 140 mm, adjustable pedestal *	PU 50 PCS	9009941014986	21,45 kg	3926 90 97
Product No.	Description 1	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
015213001	LIFTO KS, 50 - 80 mm, adjustable pedestal	PU 10 PCS	9009941014948	3,13 kg	3926 90 97
015214002	LIFTO KS, 50 - 80 mm, adjustable pedestal *	PU 50 PCS	9009941014962	13,70 kg	3926 90 97
015313001	LIFTO KS, 80 - 140 mm, adjustable pedestal	PU 6 PCS	9009941014979	2,60 kg	3926 90 97
015315002	LIFTO KS, 80 - 140 mm, adjustable pedestal *	PU 50 PCS	9009941014993	20,90 kg	3926 90 97
Product No.	Description 1	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
015412000	LIFTO KA60 mm, adapter for adjustable pedestal	PU 12 PCS	9009941013644	1,450 kg	3926 90 97
015414000	LIFTO KA60 mm, adapter for adjustable pedestal *	PU 126 PCS	9009941013460	11,000 kg	3926 90 97
Product No.	Description 1	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
015913000	LIFTO N, slope corrector	PU 50 PCS	9009941015006	4,690 kg	3926 90 97
015704000	LIFTO R, Regulating disc 1,3 mm	PU 50 PCS	9009941013491	0,730 kg	3926 90 97
015804000	LIFTO R, Regulating disc 2,0 mm	PU 50 PCS	9009941013514	0,920 kg	3926 90 97

* These packing units can not be branded



LIFTO K DETAILS

Terrace substructures made of wood, wood-based materials or aluminum are simply, quickly and precisely levelled with the **LIFTO KU** terrace pedestal.

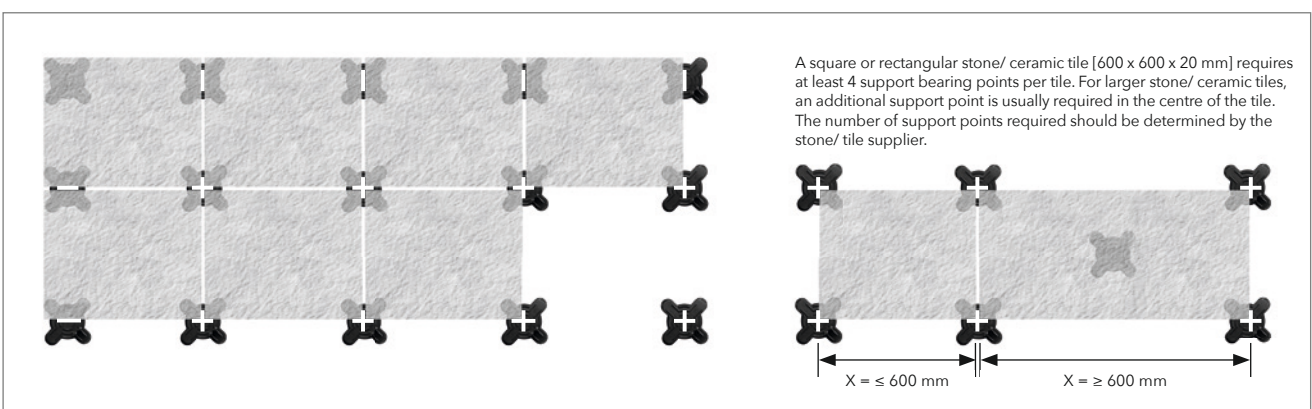
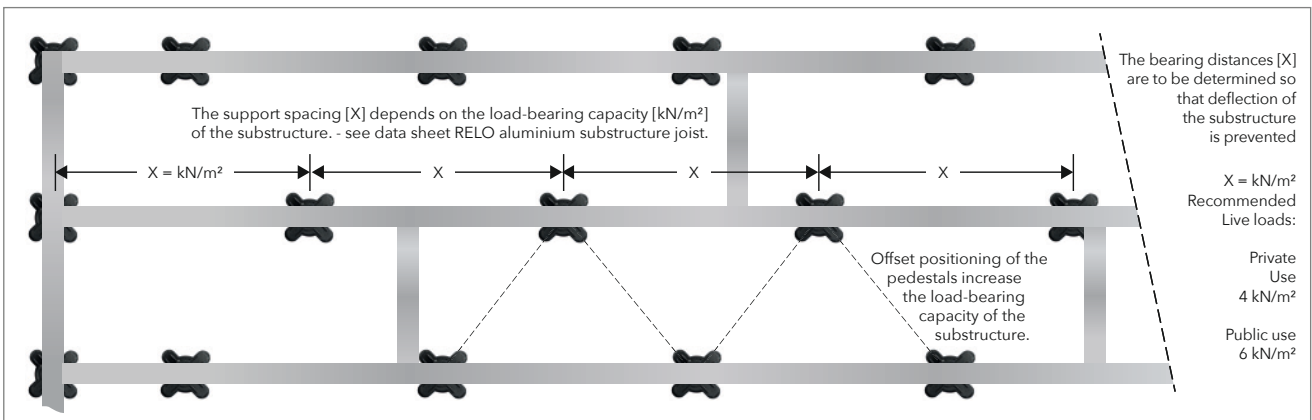
The **LIFTO KS** permits the laying of patio tiles made of stone, concrete or ceramics. Irregularities of the stone tiles can be easily compensated with the regulating discs LIFTO R.

LIFTO N slope corrector automatically compensates gradients of up to 4% in all directions.

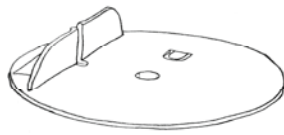
The continuously variable height adjustment offers millimeter accuracy allowing time-saving benefits and an easy assembly process. Larger differences in height of up to 500 mm can be compensated with a simple intermediate adapter, thus offering maximum flexibility in assembly and storage.

The X-shaped base plate is variable in position and secure in situ. The special form allows close edge positioning, for example against a wall or to closely align parallel joists for joining board ends. The x-shaped base plate is perfectly usable and advantageous over the common circular base plates.

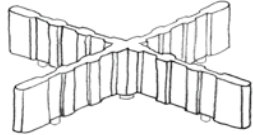
The high loading capacity of the LIFTO K Pedestal is achieved by reinforced tubular walling, precision molded threads and connecting parts. This guarantees lasting and stable mounting of the substructure or patio tiles.



LIFTO K HIGHLIGHTS



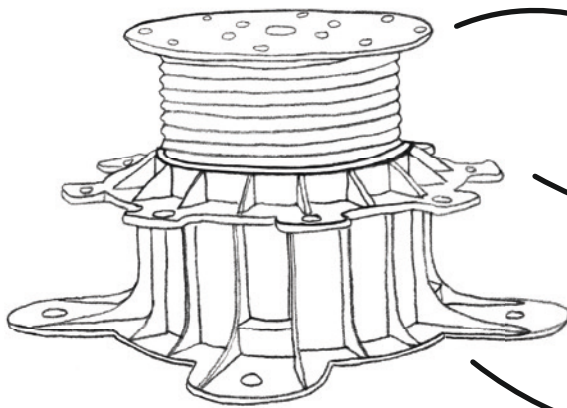
LIFTO KU:
Uni-top attachment for wooden, aluminum substructures, Quick mounting for RELO A and UNIA



LIFTO KS:
Stone cross attachment for stone tiles permits 3,2 mm joint spacing. Integrated break off points for wall corners and offset joints.



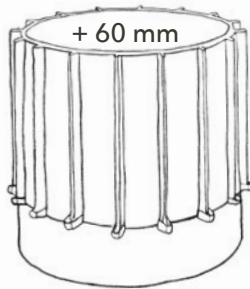
Automatic self-leveling correction with large support plate for a stable and non-slip connection



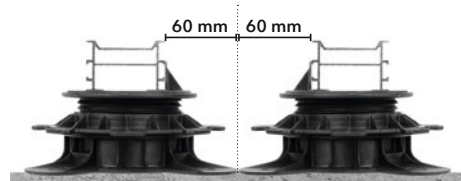
Large and robust support plate (Ø 120 mm)

Integrated height adjustment ring

The X-shaped base plate is variable in position and secure in situ. The special form allows close edge positioning, for example against a wall or to closely align parallel joists for joining board ends.



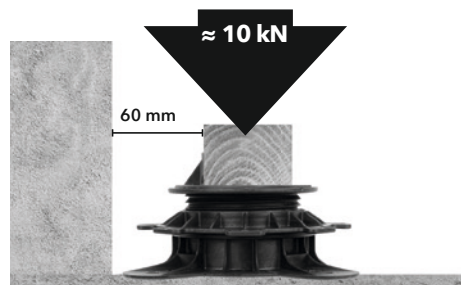
Bigger differences in height of up to 500 mm can be compensated with a simple intermediate adapter, thus offering maximum flexibility in assembly and storage.



LIFTO K end joint construction



Slope correction up to 4%



LIFTO K wall alignment + load-bearing capacity

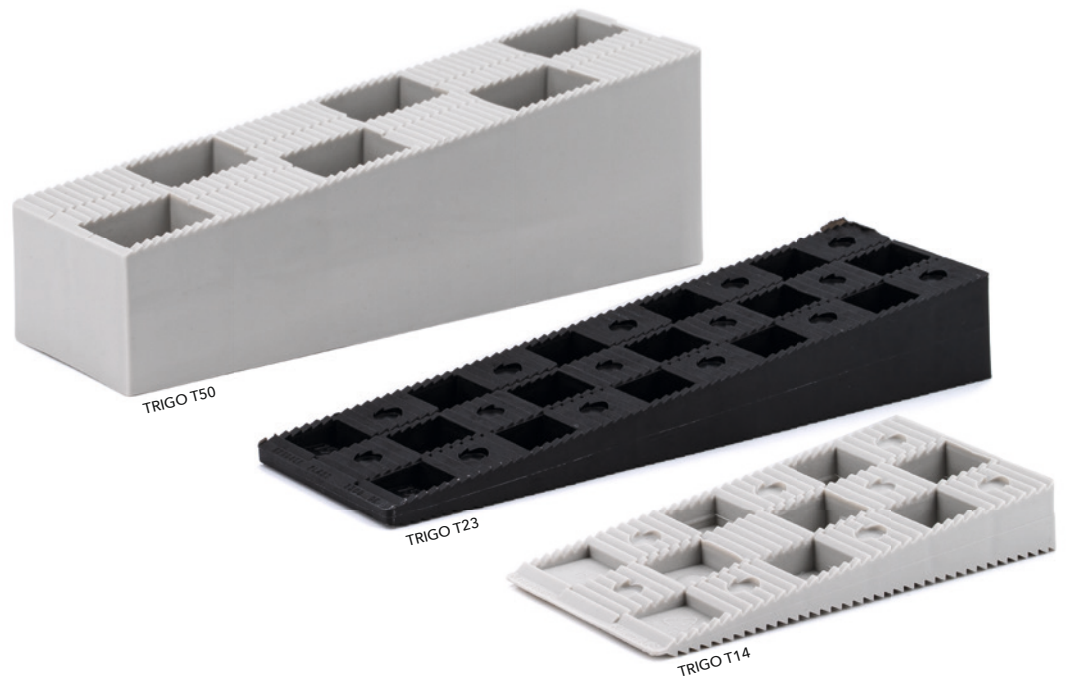
OVERVIEW

Height range:	50 - 80 mm 80 - 140 mm + Adapter
Adapter KA60:	+ 60 mm height adjustment
Special features:	x-shaped base plate
Accessories:	Protection/ separation pad GUMO LGD/LGA Regulating disc 1,3 and 2,0 mm Slope correction 4% Height +15mm UNIA 4,2 x 22 mm RELO A
Dimensions:	Baseplate Ø 225 mm Support plate width Ø 120 mm
Material:	PP Polypropylene Recycled

TRIGO

ADJUSTING WEDGE





FEATURES



Data sheet



Tips & Tricks



Video



Branding

Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
012312001	TRIGO 14 - 22 mm	Adjusting wedge T14	PU 100 PAIRS	9009941017048	3,180 kg	3925 90 80
012412001	TRIGO 18 - 32 mm	Adjusting wedge T23 + T14	PU 75 PAIRS	9009941017055	4,130 kg	3925 90 80
012512001	TRIGO 26 - 40 mm	Adjusting wedge T23	PU 50 PAIRS	9009941017062	4,020 kg	3925 90 80
034013000	TRIGO 39 - 58 mm	Adjusting wedge T50 + T14	PU 50 PAIRS	9009941017505	5,140 kg	3925 90 80
034013001	TRIGO 41 - 67 mm	Adjusting wedge T50 + T23	PU 45 PAIRS	9009941017512	5,950 kg	3925 90 80



TRIGO DETAILS

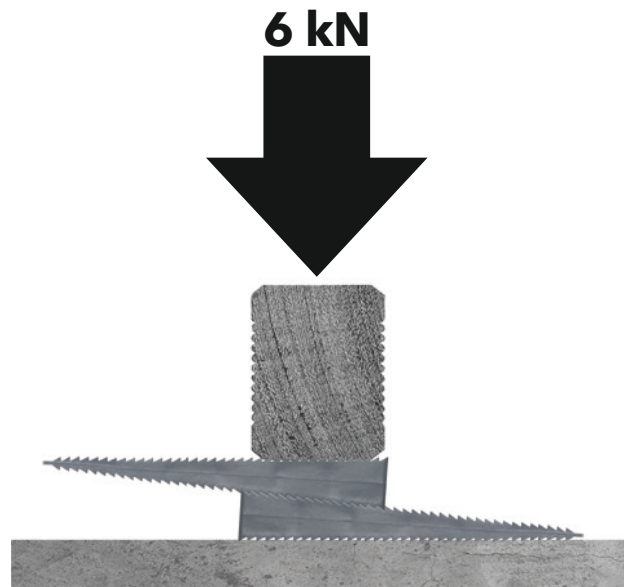
The wedge shape of the **TRIGO** adjustment wedges guarantees easy and quick Adjustment of terrace substructures made of wood, wood-like materials or aluminium.

Three adjustment wedges can compensate for differences in height from 14 mm to 67 mm.

The design of the jagged teeth ensures a non-slip and deformation-free connection.

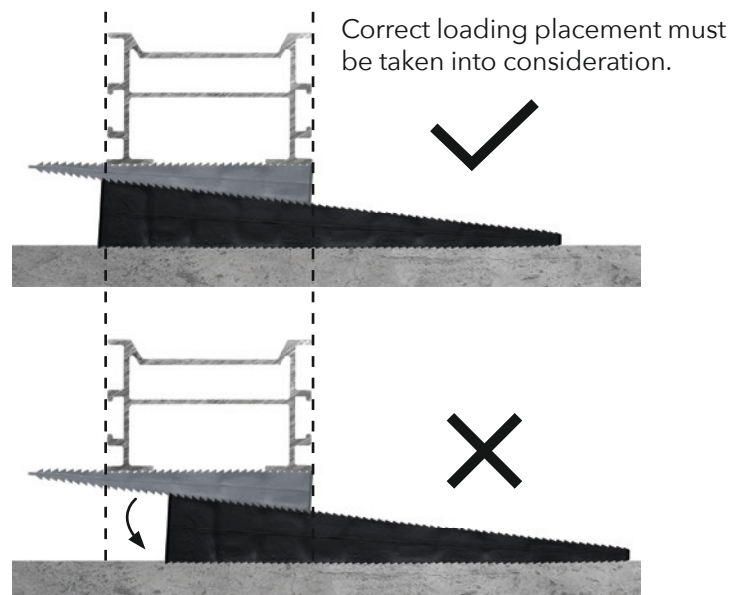
Due to the special geometry and material selection a sound-absorbing effect is achieved.

The TRIGO adjustment wedges can be used and combined universally.



TRIGO Height adjustment	Adjusting wedges		
	T 14	T 23	T 50
14 - 22 mm	2		
18 - 32 mm	1	1	
26 - 40 mm		2	
39 - 58 mm	1		1
41 - 67 mm		1	1

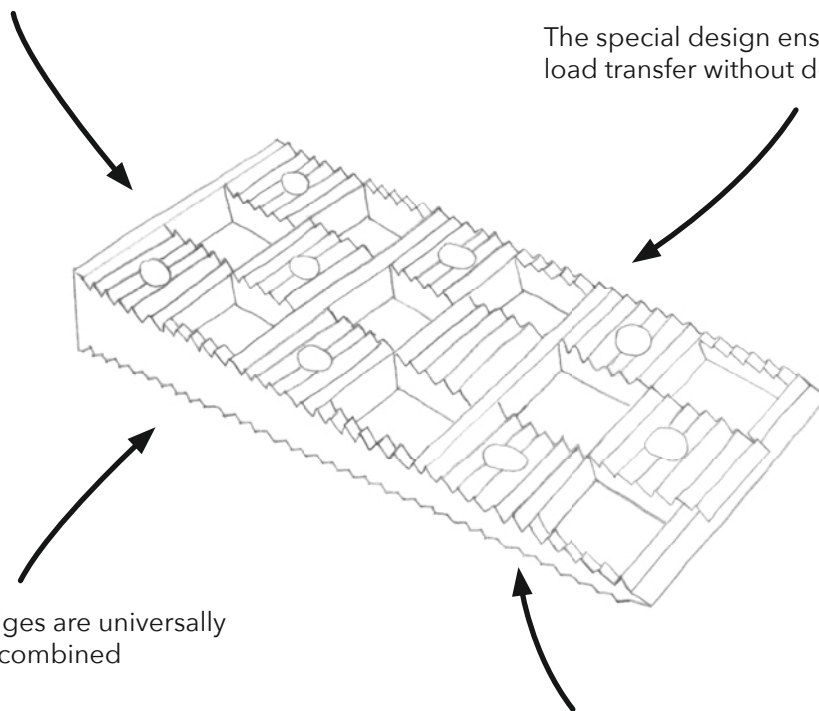
The stated height adjustment is determined with a 45 mm wide substructure.
 For RELO substructure rails with a width of 64 mm, the maximum height is reduced by 2.0 mm
 e.g. 14 - 22 mm = 14 - 20 mm
 TRIGO T 50 is used solely as a base for TRIGO T 14 and T 23



TRIGO HIGHLIGHTS

Two compatible adjustment wedges allow a continuous height adjustment up to 67 mm

The special design ensures maximum load transfer without deformation



The adjustment wedges are universally applied and can be combined

Jagged teeth ensure precise and non-slip alignment - even in the lateral direction

OVERVIEW

Height range:	14 - 67 mm Depending on the width of the substructure
Dim. TRIGO T 14:	L 93 mm B 46 mm H 3,5 - 14 mm
Dim. TRIGO T 23:	L 152 mm B 46 mm H 4,0 - 23 mm
Dim. TRIGO T 50:	L 152 mm B 46 mm H 31 - 50 mm
Material:	PE Plastic
Special features:	Adjustment wedges can be combined



GUMO L

EPDM RUBBER PRESSURE PAD





OVERVIEW

Material: EPDM Solid material

Width: 30 mm

Length: 80 mm

Height: 2, 5, 8 mm

Special features: stackable

FEATURES



Data sheet



Tips & Tricks



Video



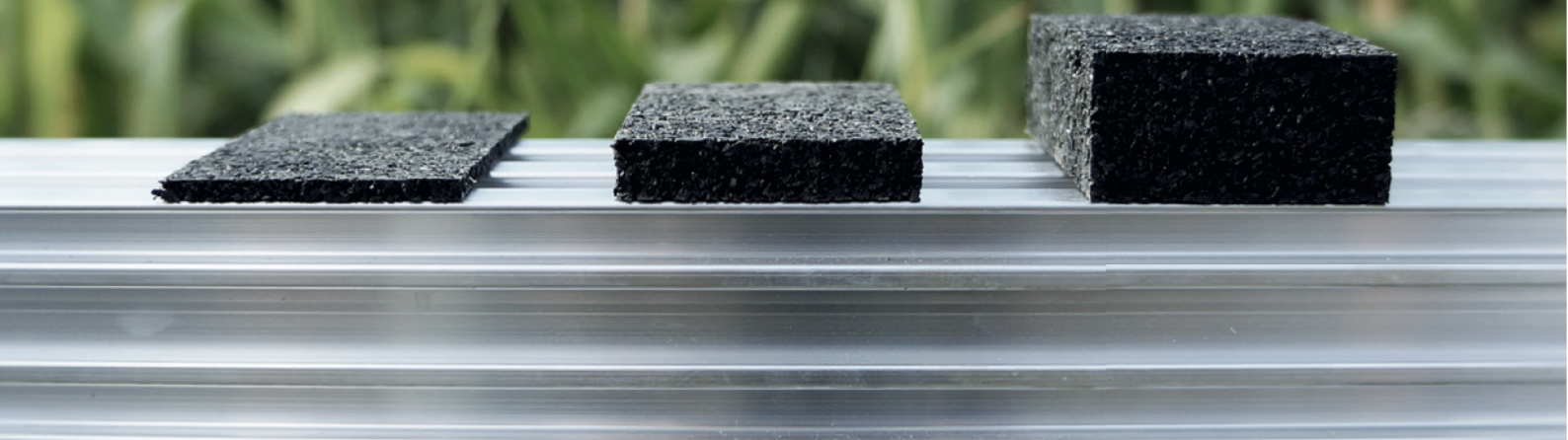
Branding

Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
009004000	GUMO L pressure pad	80 x 30 x 2 mm	PU 150 PCS	9009941004758	1,100 kg	4016 93 00
009104000	GUMO L pressure pad	80 x 30 x 5 mm	PU 70 PCS	9009941004789	1,180 kg	4016 93 00
009204000	GUMO L pressure pad	80 x 30 x 8 mm	PU 50 PCS	9009941004819	1,330 kg	4016 93 00



GUMO LG


GRANULATE PAD






OVERVIEW	LG	OVERVIEW	LGR	OVERVIEW	LGD / LGA
Material:	granulate	Material:	granulate	Material:	granulate LGA with aluminium foil
Width:	40 mm	Width:	68 mm	Width:	185 mm
Length:	80 mm	Length:	3, 7, 12, 28 m	Length:	200 mm
Height:	3, 8, 20 mm	Height:	3, 8 mm	Height:	8 mm
Special features:	stackable	Special features:	RELO Compatible	Special features:	pressure distribution pad for LIFTO


FEATURES



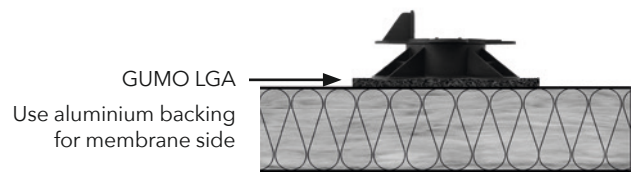
Data sheet



Tips & Tricks



Branding



Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
011303000	GUMO LG granulate pad	80 x 40 x 3 mm	PU 75 PCS	9009941008763	0,556 kg	4008 21 10
011313000	GUMO LG granulate pad	80 x 40 x 3 mm	PU 1.000 PCS	9009941008329	7,350 kg	4008 21 10
010704000	GUMO LG granulate pad	80 x 40 x 8 mm	PU 50 PCS	9009941006479	1,041 kg	4008 21 10
010713000	GUMO LG granulate pad	80 x 40 x 8 mm	PU 400 PCS	9009941008336	8,150 kg	4008 21 10
011404000	GUMO LG granulate pad	80 x 40 x 20 mm	PU 25 PCS	9009941007728	1,125 kg	4008 21 10
011413000	GUMO LG granulate pad	80 x 40 x 20 mm	PU 280 PCS	9009941008510	12,700 kg	4008 21 10

Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
012205000	GUMO LGR granulate band	68 x 3 mm/7 meter roll	PU 1 ROL	9009941015303	1,162 kg	4008 21 10
012105000	GUMO LGR granulate band	68 x 8 mm/3 meter roll	PU 1 ROL	9009941015310	1,282 kg	4008 21 10

Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
012213000	GUMO LGR granulate band	68 x 3 mm/28 meter roll	PU 2 ROL	9009941011435	8,650 kg	4008 21 10
012113000	GUMO LGR granulate band	68 x 8 mm/12 meter roll	PU 2 ROL	9009941011442	9,900 kg	4008 21 10

Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
009301001	GUMO LGD granulate pad *	200 x 185 x 8 mm	PU 10 PCS	9009941017031	2,020 kg	4008 21 10
009313000	GUMO LGD granulate pad	200 x 185 x 8 mm	PU 68 PCS	9009941004840	17,400 kg	4008 21 10
012001001	GUMO LGA granulate pad *	200 x 185 x 8 mm	PU 10 PCS	9009941014849	2,120 kg	4016 99 97
012013000	GUMO LGA granulate pad	200 x 185 x 8 mm	PU 68 PCS	9009941010940	15,030 kg	4016 99 97

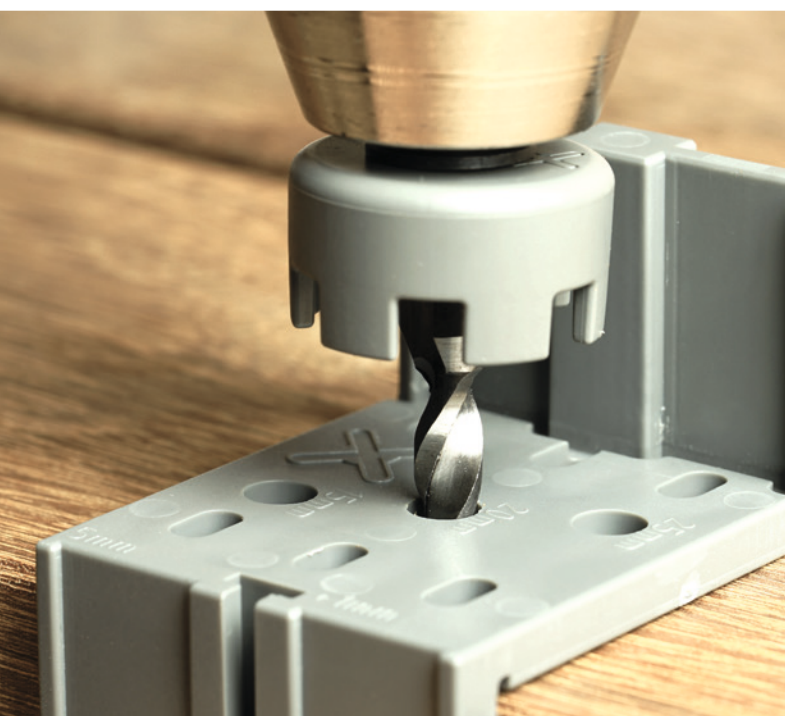
* These packing units can not be branded

GUMO LG







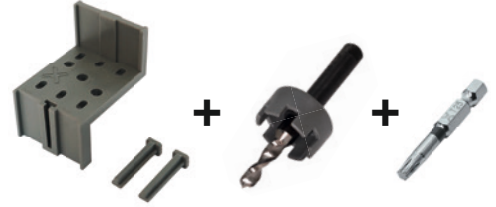
HELPO

SYSTEM ACCESSORIES





SET

FEATURES			
			
Tips & Tricks	Video	SET Pack	Branding



Product No.	Description 1	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
008902000	HELPO-Set	PU 1 SET	9009941009067	0,131 kg	8207 50 90
The PU contain 1 pc HELPO countersink tool, 2 pcs HELPO assembly aids and 1 pc HELPO bit TX25 black 50 mm					

ASSEMBLY AID



FEATURES	
	
Tips & Tricks	Branding

Details	
For precision joint spacing	5, 6, 7, or 8 mm between the deck boards
For exact pre-drilling	10, 20 or 25mm depth from board edge



Product No.	Description 1	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
007002000	HELPO installation aid	PU 4 PCS	9009941004338	0,111 kg	3926 90 97

COUNTERSINK TOOL



FEATURES	
	
Tips & Tricks	Branding

Details	
Material: Hardened chrome steel	
The heavy duty pre-drill and countersink tool does it all in one motion enabling a fast, easy and clean screw hole for the perfect screwhead finish.	
ELITA1	SOLIDA1
5,0 mm	5,0 mm
SOLIDA4	PROFILA1
5,5 mm	5,5 mm



Product No.	Description 1	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
010802000	HELPO countersink tool	PU 1 PCS	9009941009043	0,077 kg	8207 50 90

BITS

FEATURES	
	
Tips & Tricks	Branding

Details	
Material: Hardened chrome tool steel	
The TX bits are designed with a universal key which can fit into every type of drill chuck.	
The TX bit lengths 50 mm and 75 mm facilitates easy handling.	Different bit sizes can be easily selected by their noticeable colour coding.



Product No.	Description 1	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
010202000	HELPO Bit TX10 blue 50 mm	PU 20 PCS	9009941009111	0,212 kg	8207 90 30
010302000	HELPO Bit TX15 yellow 50 mm	PU 20 PCS	9009941009128	0,215 kg	8207 90 30
010402000	HELPO Bit TX20 white 50 mm	PU 20 PCS	9009941009135	0,234 kg	8207 90 30
010502000	HELPO Bit TX25 black 50 mm	PU 20 PCS	9009941009142	0,238 kg	8207 90 30
010402001	HELPO Bit TX20 white 75 mm	PU 20 PCS	9009941012005	0,270 kg	8207 90 30

HELPO

GROUND COVER MEMBRANE





Details

A high quality permeable, breathable and UV Stable membrane for suppressing unwanted vegetation below the terrace.

Lay out overlapping each row and apply a capillary breaking layer (e.g. gravel)

membrane 50g/m² Water permeable and UV stabilised conveniently folded in one bag.
1.6 x 10 metres of Tear-resistant polypropylene
1,1 x 50 metres on one roll

FEATURES



Data sheet



Tips & Tricks

Product No.	Description 1	Description 2	Packing Unit	EAN-13 Code	Weight per PU	Customs tariff no.
010614000	HELPO ground cover membrane *	1,6 x 10 m	PU 14 PCS	9009941012616	12,000 kg	5407 20 11
010614002	HELPO ground cover membrane *	1,1 m/50 m roll	PU 1 PCS	9009941009173	3,30 kg	5407 20 11

* These packing unit can not be branded



TIPS & TRICKS

DECKING AND FACADE
CONSTRUCTION





DE



EN

Tips & Tricks provides important fundamental information, details and application recommendations in advance to prevent complaints and claims due to non-conforming designs.

Tips & Tricks do not replace country-specific regulations, subject rules, guidelines and standards.

Product No.	Description 1	Description 2	Packing Unit
020001042	Brochure Tips & Tricks	German	PU 20 PCS



TIPS AND TRICKS DECKING CONSTRUCTION

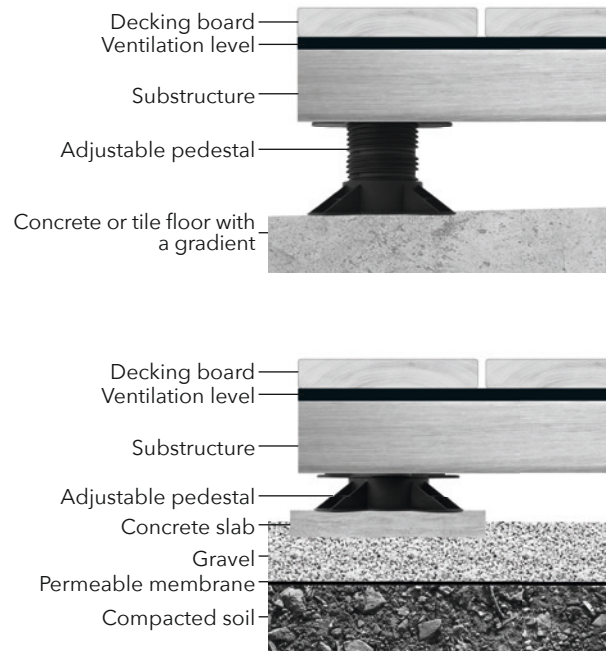
SUBSTRATE AND SUB-CONSTRUCTION SETUP

The substrate for the decking substructure must ensure a durable and frost-proof load-bearing surface.

To ensure proper water drainage, there must be a sufficient slope or drainage system in place. The substrate must not allow water to build-up. [waterlogging].

For an aggregate base layer of gravel or crushed stone the following must be used, load-bearing concrete slabs [e.g. pavement slabs 20 x 20 x 4 cm] must be laid underneath the load-bearing points [e.g. pedestal].

A protective membrane is placed underneath the base layer to prevent against unwanted vegetation growth.



Load-bearing points are to be designed in such a way that maximum stability is achieved on a permanent basis. Load-distributing concrete slabs [pavement slabs] must be placed level and compacted into the base layer.



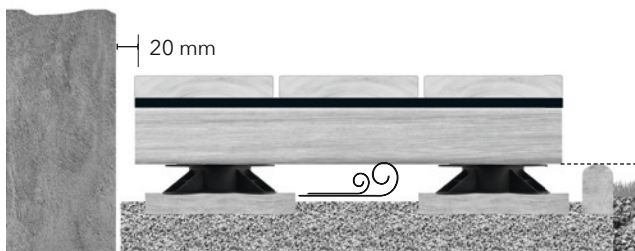
A structure height of 100 mm ensures optimum ventilation to the entire construction. Poorly ventilated terraces can lead to problems such as boards cupping and partial failure of the fasteners.



Side panels around the perimeter should allow ventilation to the entire construction, e.g., with the RELO V ventilation grate. Closed side panels e.g., decking boards prevent sufficient ventilation and may limit the longevity of the terrace construction.

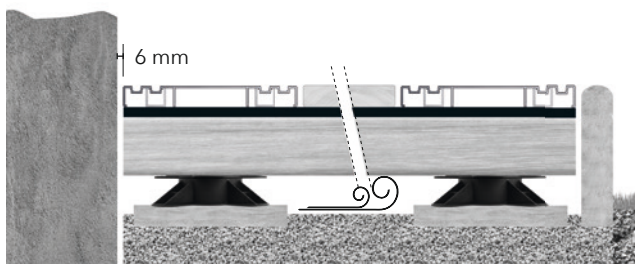


VENTILATION AND DRAINAGE

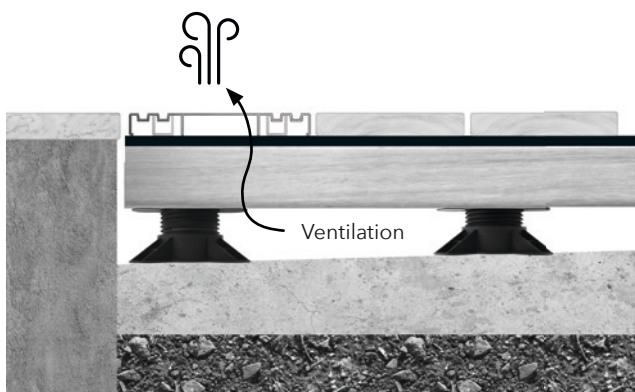


The perimeters must allow sufficient ventilation to the entire construction. A distance of min. 20 mm is required from the adjacent object.

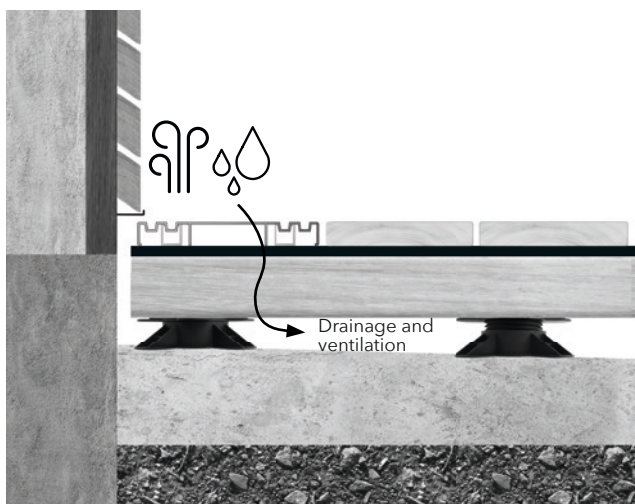
The decking substructure should ideally be above any adjacent landscape edging.



The distance from the adjacent structure can be reduced from 20 mm to 6 mm with the RELO V ventilation grate.



When extending the decking or perimeter edging made of stone, concrete, or ceramic tiles [at the same height level as the decking], ventilation sections are to be used to ensure adequate ventilation. If this is not possible a distance of at least 20 mm is required.



Along adjacent structures such as facades and sliding or folding doors, etc., ventilation drainage grates should be used for ensuring proper ventilation, water drainage, and reduction of dirt contamination from water spray.

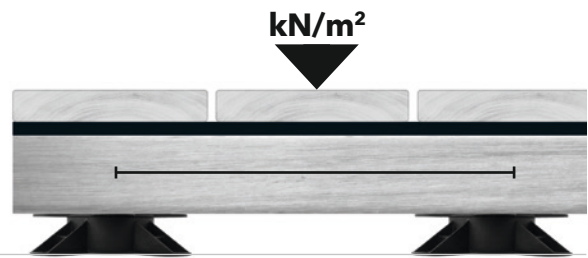


TIPS AND TRICKS DECKING CONSTRUCTION

GENERAL INFORMATION

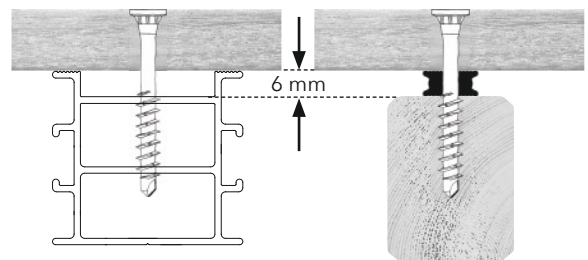
The distances between the supports must be determined so that bending of the substructures are prevented – excessive distances between supports can cause deflection when walking over, thus leading to additional stresses acting on the decking fixtures causing them to fail.

Recommended payloads:
Private use $\approx 4 \text{ kN/m}^2$
Public use $\approx 6 \text{ kN/m}^2$

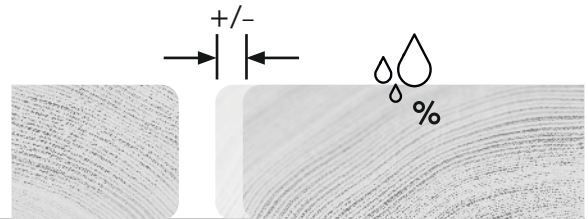


A minimum clearance of 6 mm [ventilation level] enhances Structural integrity, reduces the swelling and shrinking movements of the boards and reduce the shearing effects on the fasteners – direct surface contact wood on wood should be avoided.
e.g. with BASO or GUMO D.

50% less shearing force on wooden substructures
30% less shearing force on aluminium substructures



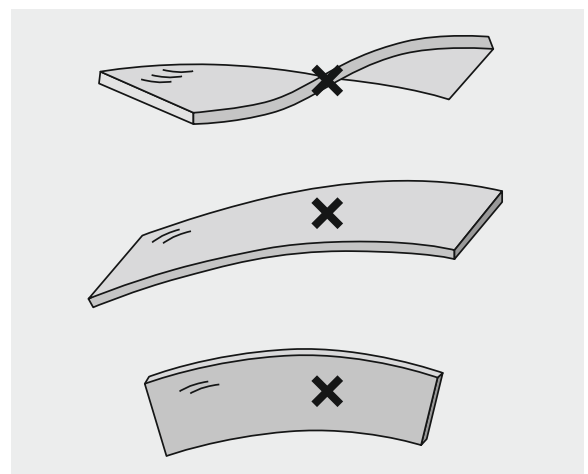
The wood moisture content % must be checked before installing the boards. The correct moisture content of the decking ensures a trouble-free and long-lasting terrace. The correct wood moisture content is to be specified by the wood supplier.



Wood is a naturally grown material. Warped and/or twisted decking boards must be sorted out during installation or if possible used as short planks

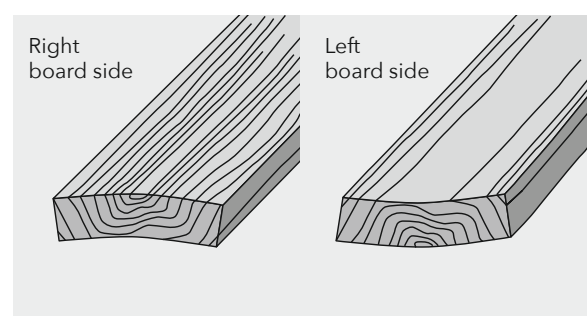
When specifying the qualities and grades, typical wood characteristics should be considered.

Environmental influences and exposed locations can influence the wood properties and characteristics.



There are various reasons for laying the boards on the right or left side facing upwards depending on the production process, type of wood specie and profiling. The correct side of the board should always be laid upwards.

Installing boards on different sides can later result in visual defects and failure of the fastening system.



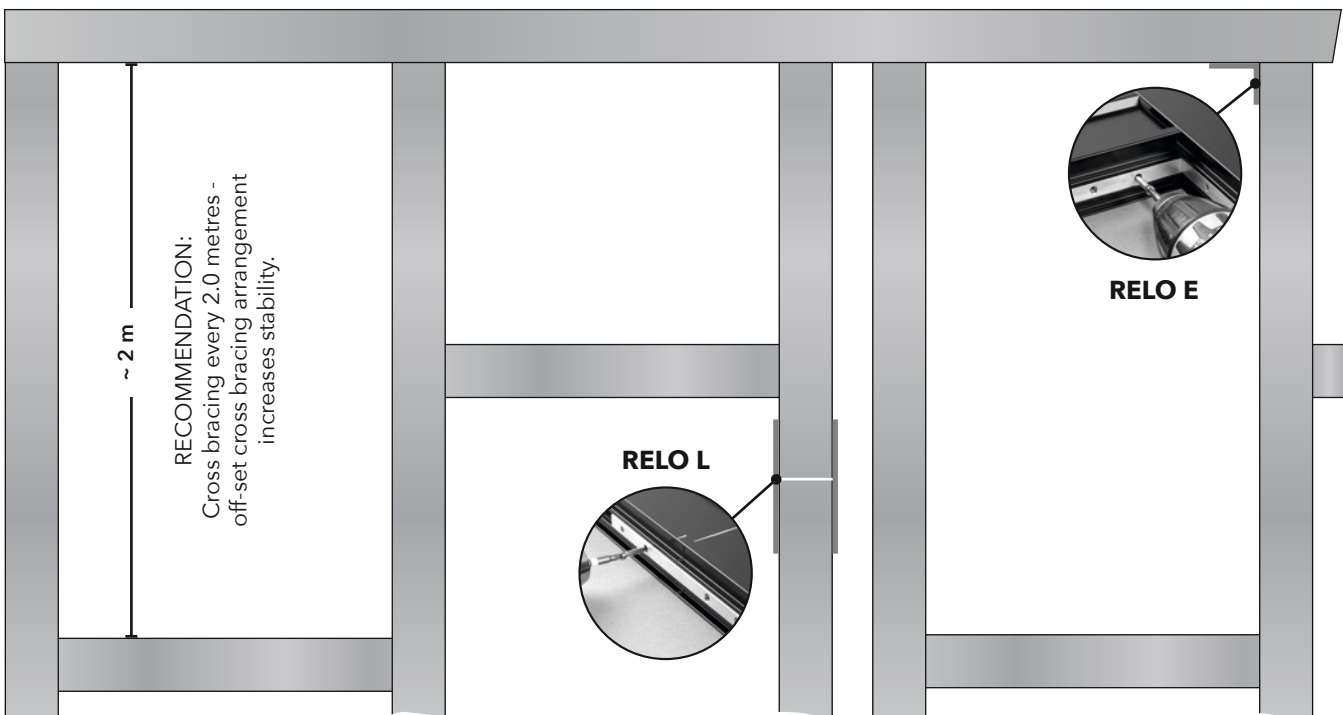
SUBSTRUCTURE



The substructure must be exactly leveled and aligned. Irregularities in the substructure lead to subsequent faults and early damage to the entire decking construction including the fastening technology. Irregularities are transferred directly to the fixings.



If a substructure cannot be securely anchored to the ground [subfloor], a rigid structure, e.g., by means of a frame construction or counter-batten construction must be implemented. These construction methods will ensure the terrace stays flat in position and prevents lifting of support bearing points, especially around the perimeter.



Rigid frame construction with securely fastened corner and lengthwise connections using RELO E and RELO L brackets. The installation and alignment of the substructure is considerably simplified by this design.

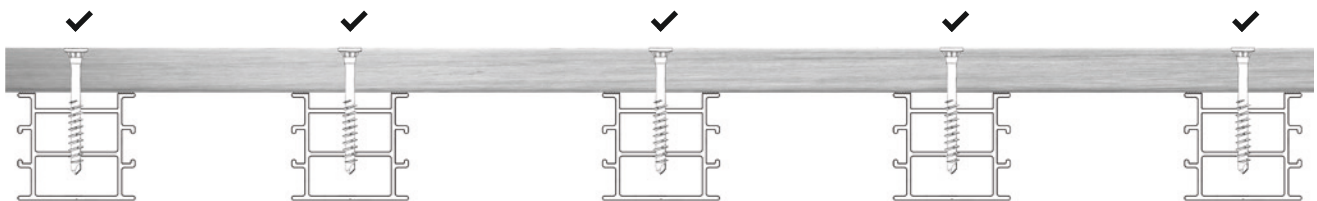




The substructure for terrace construction can be made of wood, wood-like material or aluminium.

For wooden substructures attention must be paid to durability and dimensional stability. Bowed and/or warped substructures must be sorted out during installation or, if possible, used as cross bracing for frame constructions.

Substructures made of wood, especially imported wood, can have a very high density [kg/m^3] - check in advance whether the fasteners are compatible.



Aluminium substructures offer absolute dimensional stability, are distortion-free and resistant to weathering.

For aluminium substructures, the compatibility of the decking board with the fastener is of great importance.



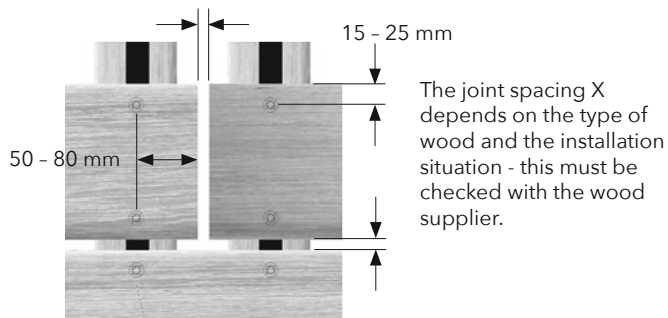
Center distance:
 400 mm for board thicknesses upto 23 mm
 450 mm for board thicknesses more than 24 mm

The centre distances must be adhered to for timber and aluminium substructures regardless of the fastener. If the centre distances are too large there will be an increased shear force per fastener which in turn may not be able to withstand the dimensional changes and the deformation force of the boards.

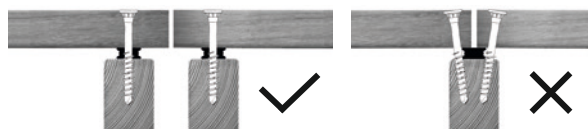
Short boards **Y** should be mounted to at least 3 substructures .

BUTT JOINT DESIGN AND DISTANCES

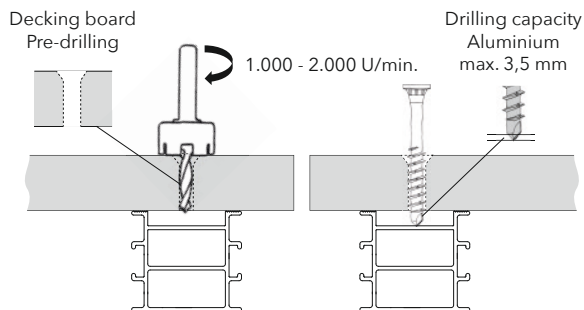
The screw distance from the board edge should be between 15 - 25 mm depending on the board width. The screw distance from the end of the board should be between 50-80 mm. If the distance from the end of the board is too far the boards will twist and warp, if the distance is too small cracks will form.



The board end joints mounted only to one substructure increases the moisture absorption in the end grain which leads to excessive swelling and shrinkage of the boards and promotes dirt build-up. Additionally the necessary distance for the screws from the board ends cannot be achieved.

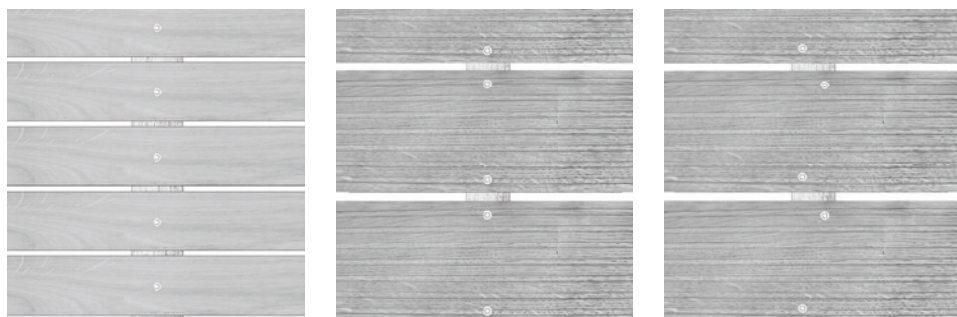


PRE-DRILLING



The board to be connected is with a pre-drill and countersink tool pre-drilled and countersunk. To avoid possible staining of the wood in proximity of the screw head, the accumulated drilling dust must be removed immediately after pre-drilling. The bit should be replaced after a longer period of use in order to avoid any iron abrasion. Tip: Do not use a magnetic bit holder, this attracts metal particles and leads to staining [iron-tannic acid reaction] on the board. Existing staining can be removed with special cleaning agents.

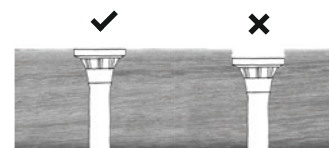
SCREW ARRANGEMENT



When the board width ≤ 70 mm, we recommend one mounting screw

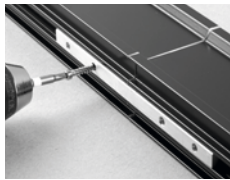
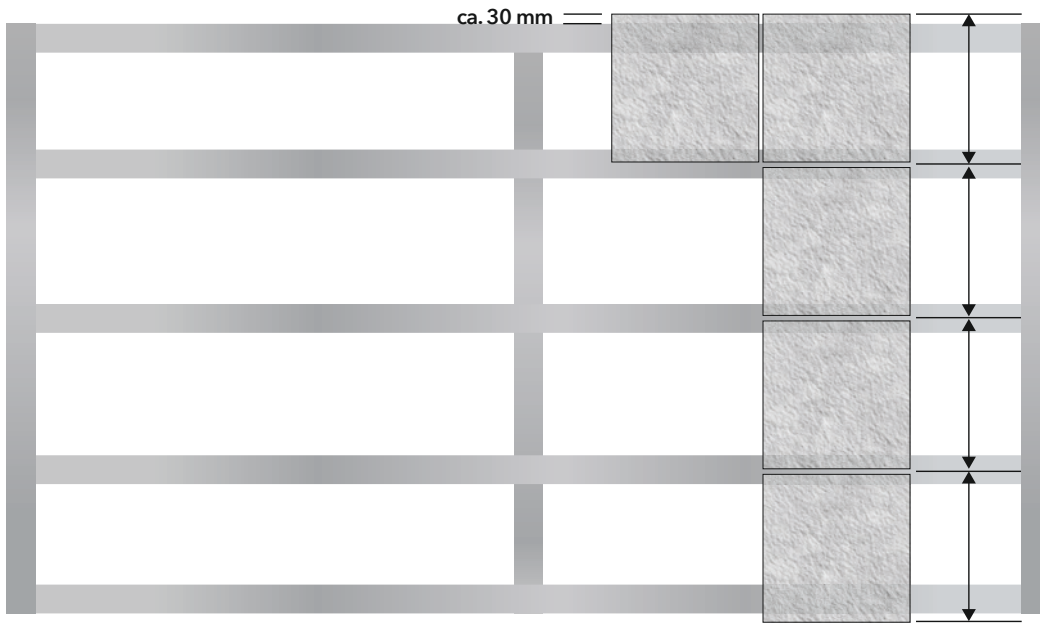
When the board width ≥ 70 mm, we recommend two mounting screws

The screw layout can be aligned or offset

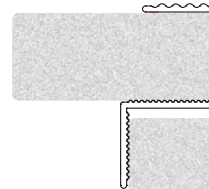


The screws should be countersunk flush with the head. Screw heads that are recessed too deep will encourage the accumulation of dirt and water - this can lead to staining around the screw head.

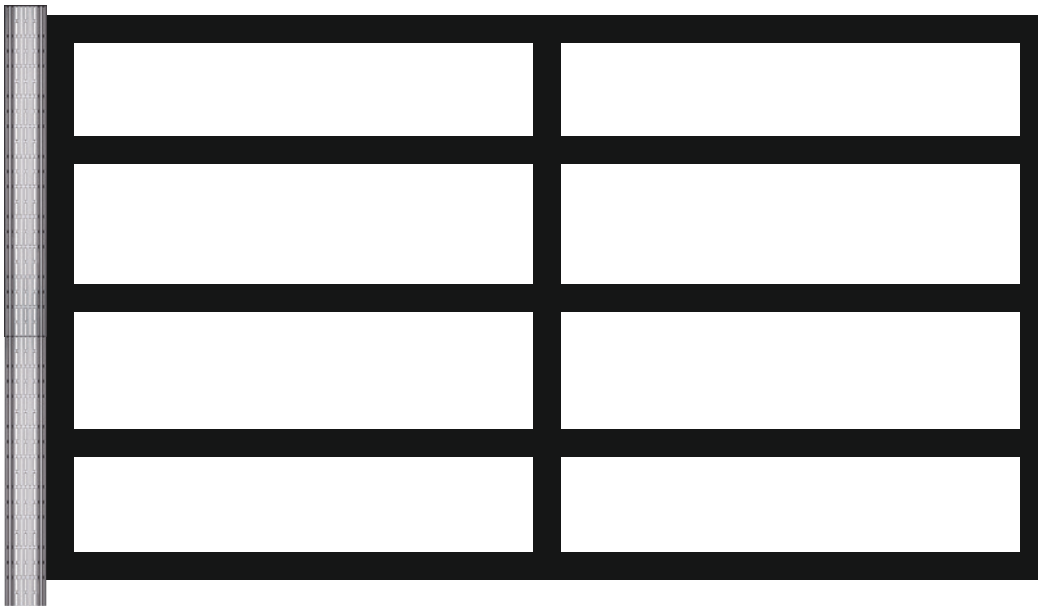




The frame construction is designed to match the dimensions of the tiles/ slab, using RELO E corner brackets and RELO L longitudinal ensures a secure and rigid construction.

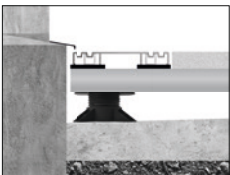


The outer rows of tiles should protrude approx. 30 mm so that the RELO RA edge finishing trim profiles can be attached.



A RELO V ventilation drainage grate must be used for adjoining objects.

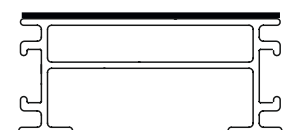
The ventilation drainage grate allows optimum water drainage and reduces splash back from contamination on adjacent objects.



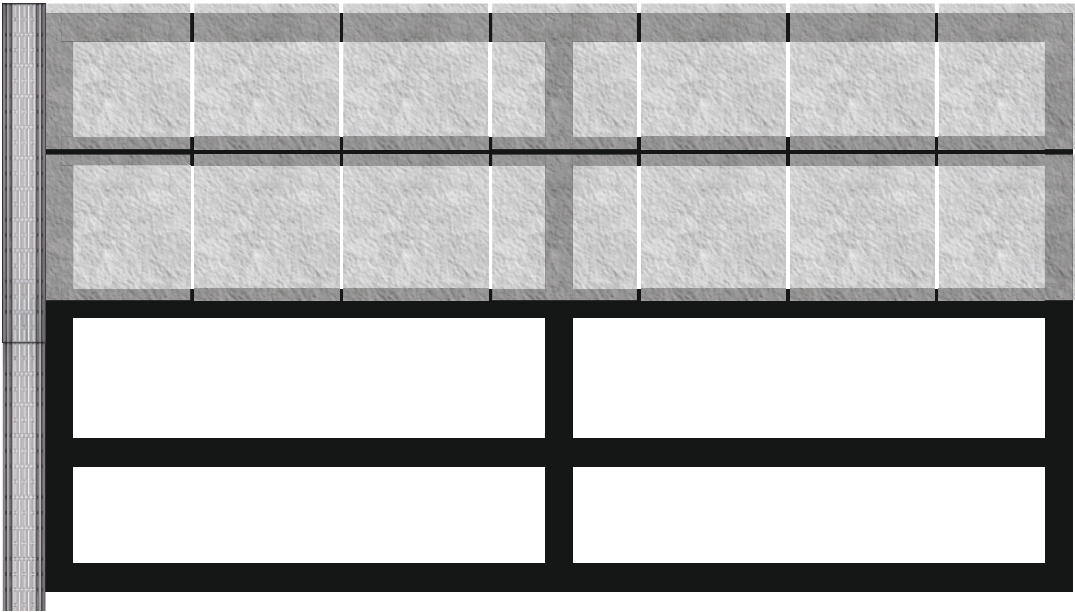
The GUMO LGR 3 mm Underlay is installed by rolling along the substructure frame.

The underlay is anti-slip and provides a shock absorption effect between the aluminium substructure and ceramic tiles.

The rubber underlay should be bonded at intervals to the substructure with a suitable mounting adhesive.



TERRACE STONE TILES INSTALLATION

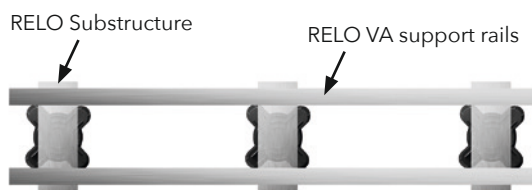
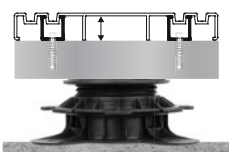
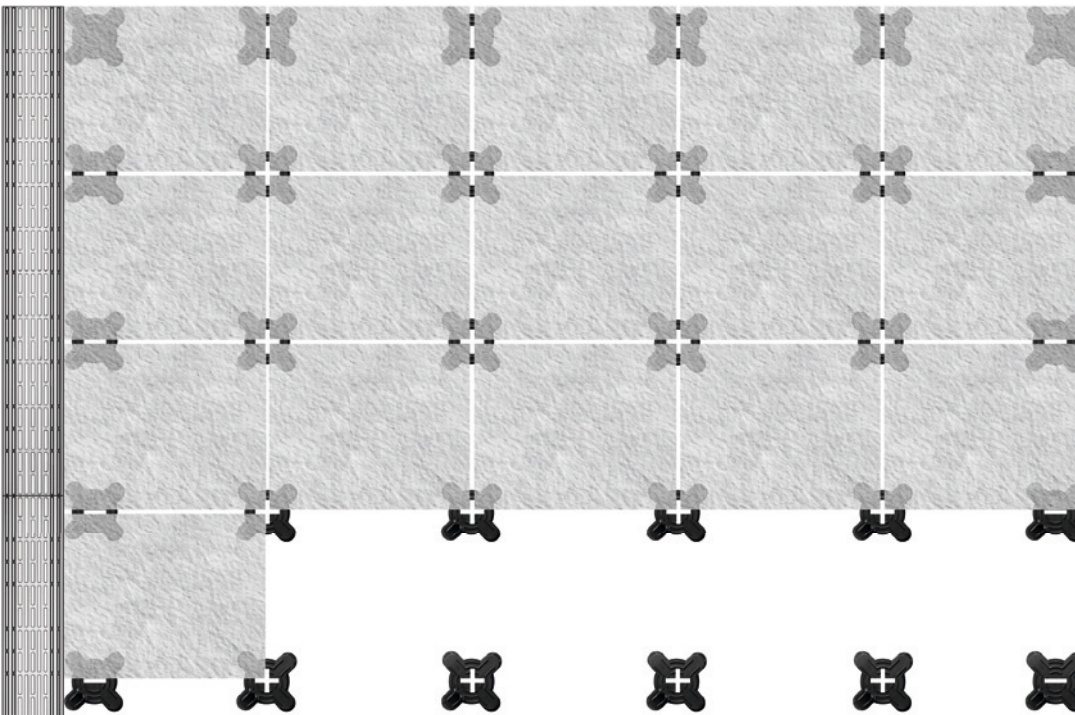


The terrace stone tile joints are set out as required using commercially available tile joint spacers.

The joint cross spacers can be divided or quartered depending on the connection point.



TERRACE STONE TILE WITH LIFTO KS



The RELO V ventilation drainage grate can be securely screwed together with a RELO substructure and the RELO VA support profile. [Cut length 150 mm].

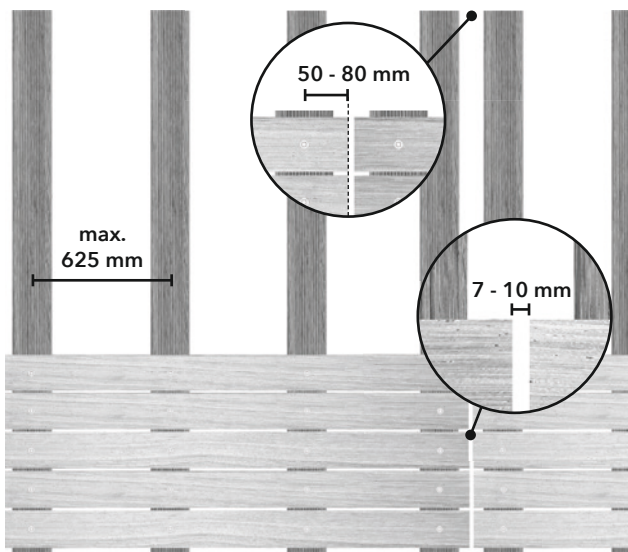
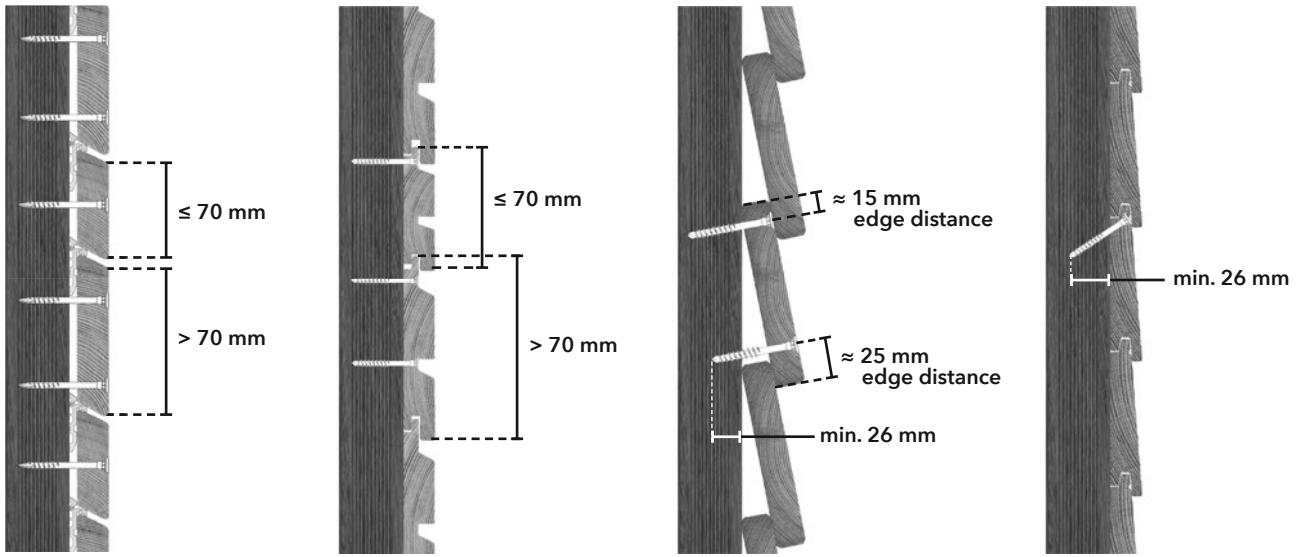


The ventilation profile is then mounted on the support profiles.

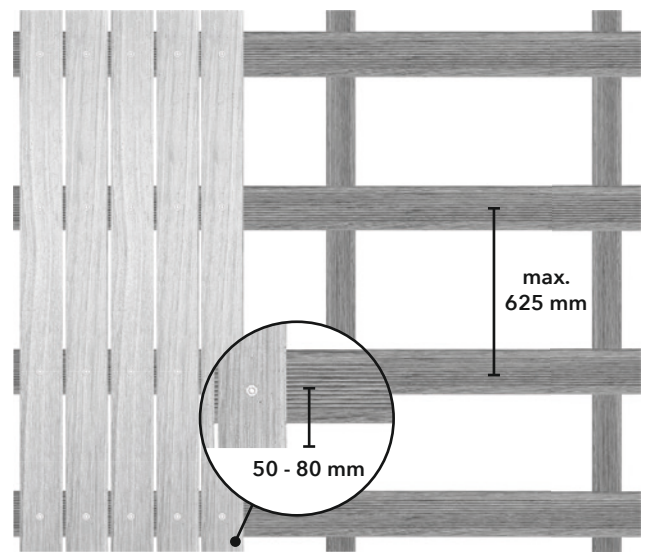


TIPS AND TRICKS CLADDING CONSTRUCTION

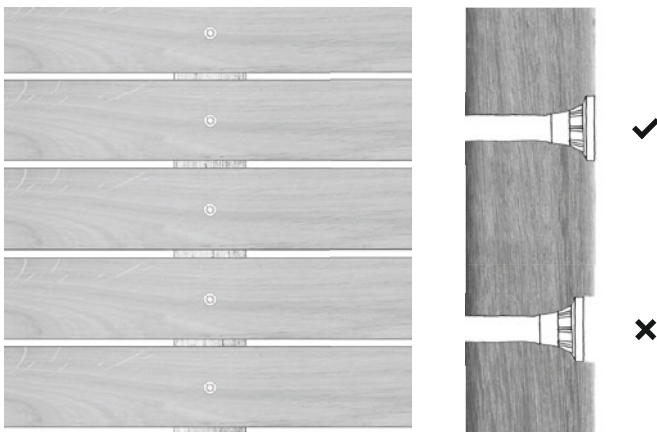
ARRANGEMENT AND DISTANCES OF FASTENERS



Horizontal mounting



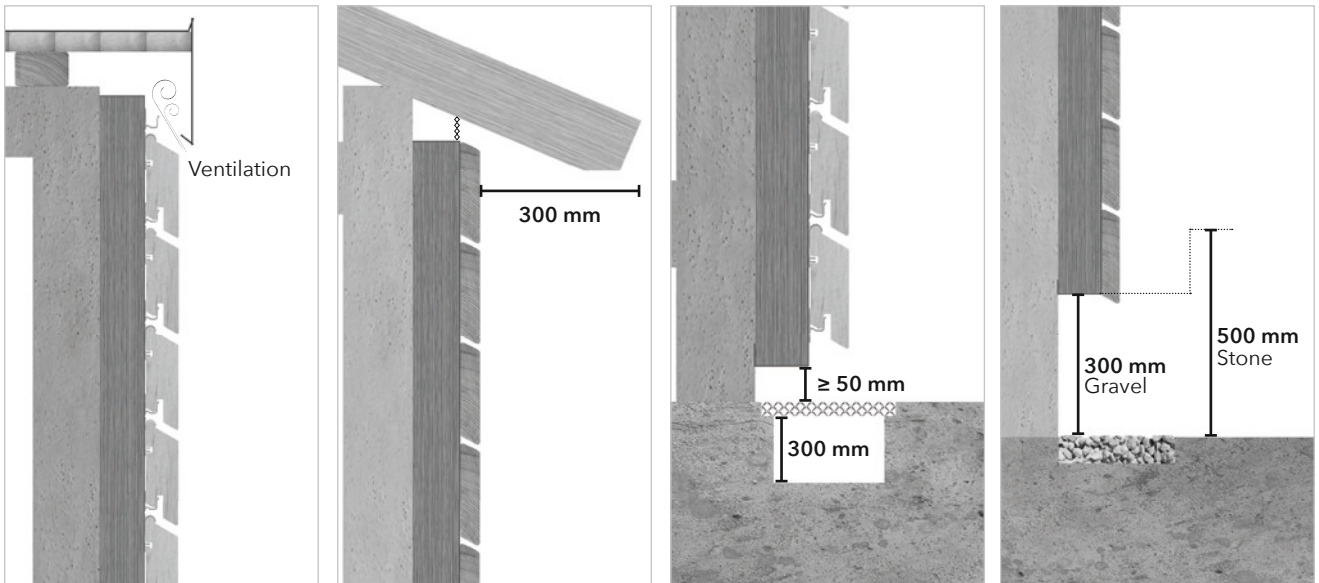
Vertical mounting



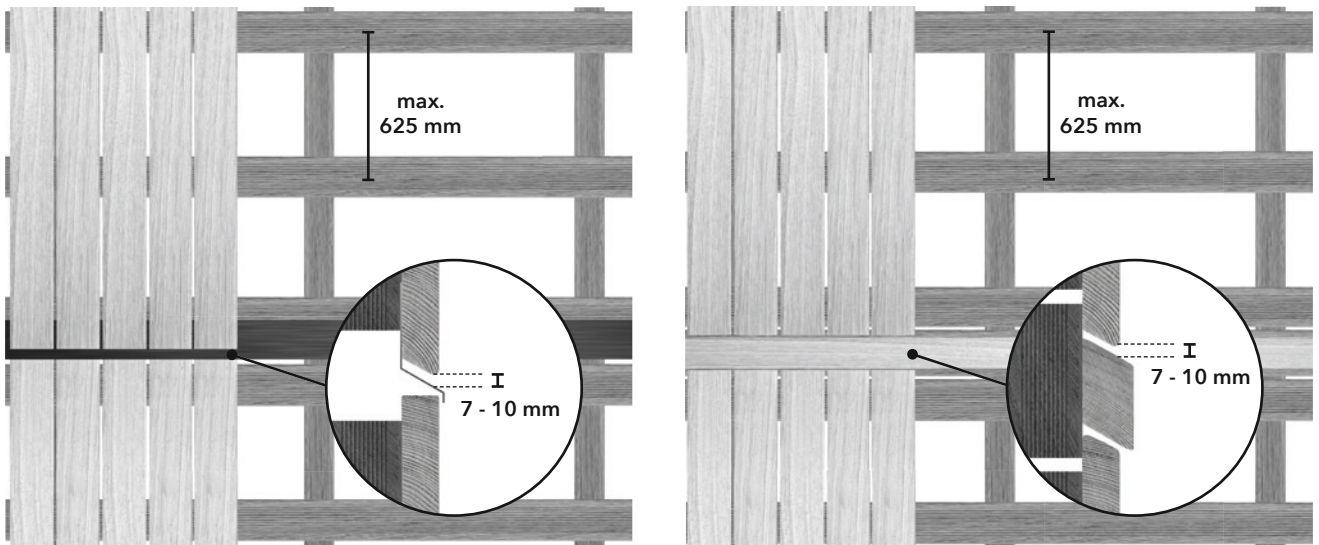
The screw heads should be countersunk flush with the mounting surface.

Too deep recessed screw heads promote the accumulation of dirt and water - this can lead to discoloration and promote mould growth on the facade surface.

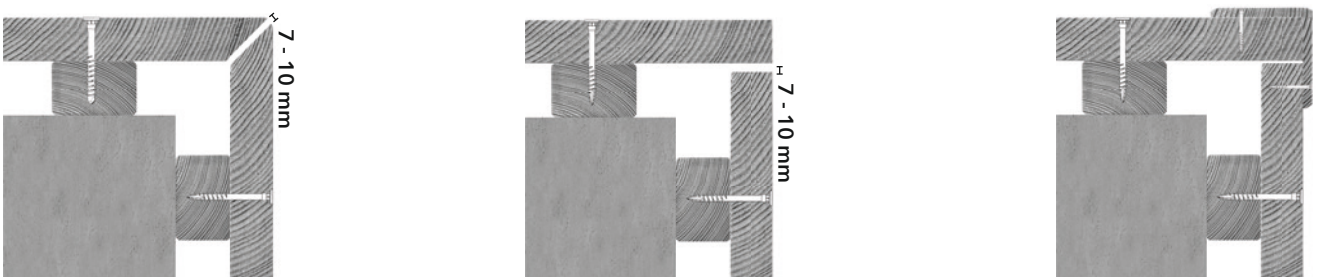
DESIGN OPTIONS BASE AND ROOF CONNECTIONS



DESIGN OPTIONS VERTICAL JOINTS



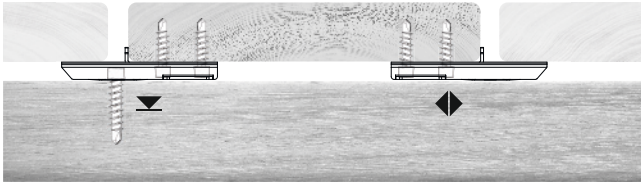
DESIGN OPTIONS CORNER JOINTS



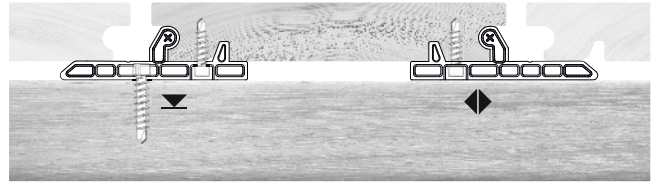
Fixed point ▼
Sliding point ◀▶

Concealed mounting

DILA



SUPRO H



The fixed point secures the board in position - the sliding point ensures controlled compensation of swelling and shrinking movements.

Deformation forces of the decking boards are absorbed by the fixed and sliding point.

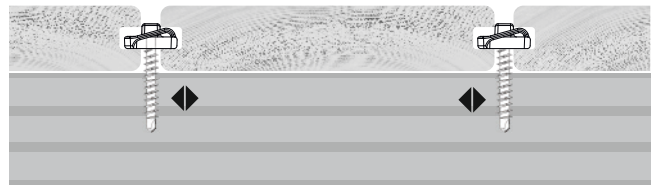
The decking boards are automatically secured lengthwise.

A further advantage is that the dimensional changes of the boards are not transferred to the adjacent boards - no chain reaction is triggered since the deformation is absorbed by the fastening system.

LIGO



PLATA



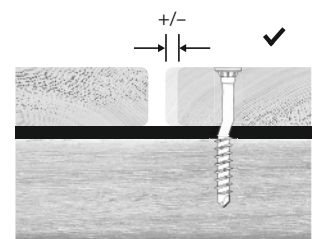
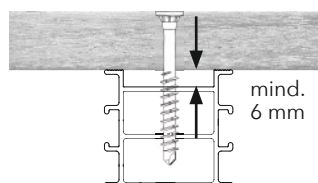
Fractional controlled swelling and shrinking of the boards is permitted by two sliding points. However unequal joint spacing may occur due to irregular deformation of the boards.

Excessive swelling of individual boards can cause a chain reaction. This type of fastener is designed for modified, dimensionally stable wood species and composite decking boards.

Additional lengthwise securing of the boards is possible if required and recommended to prevent the boards from sliding out sideways.

Visible fastening with Distance spacer

ELITA / SOLIDA / PROFILA



Two fixed points hold the board in position and counteract the deformation forces (shrinkage and swelling). Installing a distance spacer [GUMO spacer or BASO distance spacer] between the substructure and the board reduces the shearing forces by 50% for wooden substructures and by 30% for aluminium substructures.

Screws made of hardened stainless steel become magnetic through a special hardening process to increase the breaking torque. Screws made of austenitic stainless steel (A2 and A4) have a lower breaking torque compared to the hardened screw but are more flexible when installed.

For visible screw connections of decking boards with higher swelling and shrinking movements we recommend using screws made of A2 or A4 stainless steel. When screwing into hardwood substructures the breaking torque of the screw can be reached or exceeded - this requires pre-drilling of the substructure along the entire screw length.

The shearing forces on the fastener are much higher with aluminium substructures compared to wooden substructures. Wood species with high swelling and shrinking movements or decking boards that tend to deform strongly [e.g. Massaranduba] a maximum board width of 120 mm must be considered or a fixing only, to wooden substructures.

RECOMMENDATIONS

VISIBLE FASTENING		WOODEN substructure			ALUMINIUM substructure		
		ELITA1 SOLIDA1 with BASO or GUMO D	ELITA2 with BASO or GUMO D	SOLIDA4 with BASO or GUMO D	PROFILA1 with RELO K or P	PROFILA2 with RELO K or P	SOLIDA4 with RELO K or P
Larch Douglas fir	Rift/ Quarter sawn VEH ≤ 100 mm	■	■	■	■/-	■	■
	A/B VEH ≤ 120 mm	■	■	■	■/-	■	■
	A/B VEH ≤ 145 mm	■/-	■	■	-	-	-
IPE Cumaru	KD ≤ 100 mm	■	■	■	■/-	■	■
	KD ≤ 120 mm	■	■	■	■/-	■	■
	KD ≤ 145 mm	■/-	■	■	-	■/-	■/-
Modified Wood	Depending on manufacturer ≤ 100 mm	■	■	■	■/-	■	■
	Depending on manufacturer ≤ 120 mm	■	■	■	■/-	■	■
	Depending on manufacturer ≤ 145 mm	■	■	■	-	■	■

CONCEALED FASTENING		WOODEN substructure			ALUMINIUM substructure		
		DILA SUPRO H	PLATA LIGO	ZONA	DILA SUPRO H with RELO K / U	PLATA LIGO with RELO N	ZONA with RELO K/U64
Larch Douglas fir	Rift/ Quarter sawn VEH ≤ 100 mm	■	■/-	-	■	■/-	-
	A/B VEH ≤ 120 mm	■	-	-	■	-	-
	A/B VEH ≤ 145 mm	■	-	-	■/-	-	-
IPE Cumaru	KD ≤ 100 mm	■	■/-	-	■	■/-	-
	KD ≤ 120 mm	■	-	-	■	-	-
	KD ≤ 145 mm	■	-	-	■/-	-	-
Modified Wood	Depending on manufacturer ≤ 100 mm	■	■	-	■	■	-
	Depending on manufacturer ≤ 120 mm	■	■	-	■	■	-
	Depending on manufacturer ≤ 145 mm	■	■	-	■	■	-
WPC	Depending on manufacturer	■/-	■	■	■/-	■	■

VEH standards | KD kiln dried Key: ■ suitable | ■/- partially suitable | - not suitable

The wood species listed are examples of woods with similar properties.

The information is based on experience and may vary due to the many different influencing factors, such as installation situations, wood moisture content, area of growth or grading of the decking woods, etc. The manufacturer's instructions, especially for modified wood species, WPC and BBC, must be complied with.

In the case of laterally grooved decking boards for LIGO, PLATA and ZONA, the compatibility of the decking boards [such as groove engagement surfaces] must be checked. In our experience there are no problems with corrosion or wood discolouration when using hardened C1 stainless steels under normal climatic conditions.

Wooden substructures preferably made of softwoods such as larch, douglas fir, thermo spruce, thermo pine, ... Hardwood substructures, mostly imported woods, can have a very high and differing densities [kg/m³] - check in advance whether the fasteners are compatible. The harder the substructure, the greater the shear forces [increases of up to 50% can be possible] acting on the fastener.



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Instructions



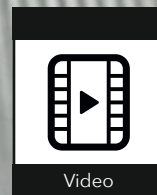
Data sheets



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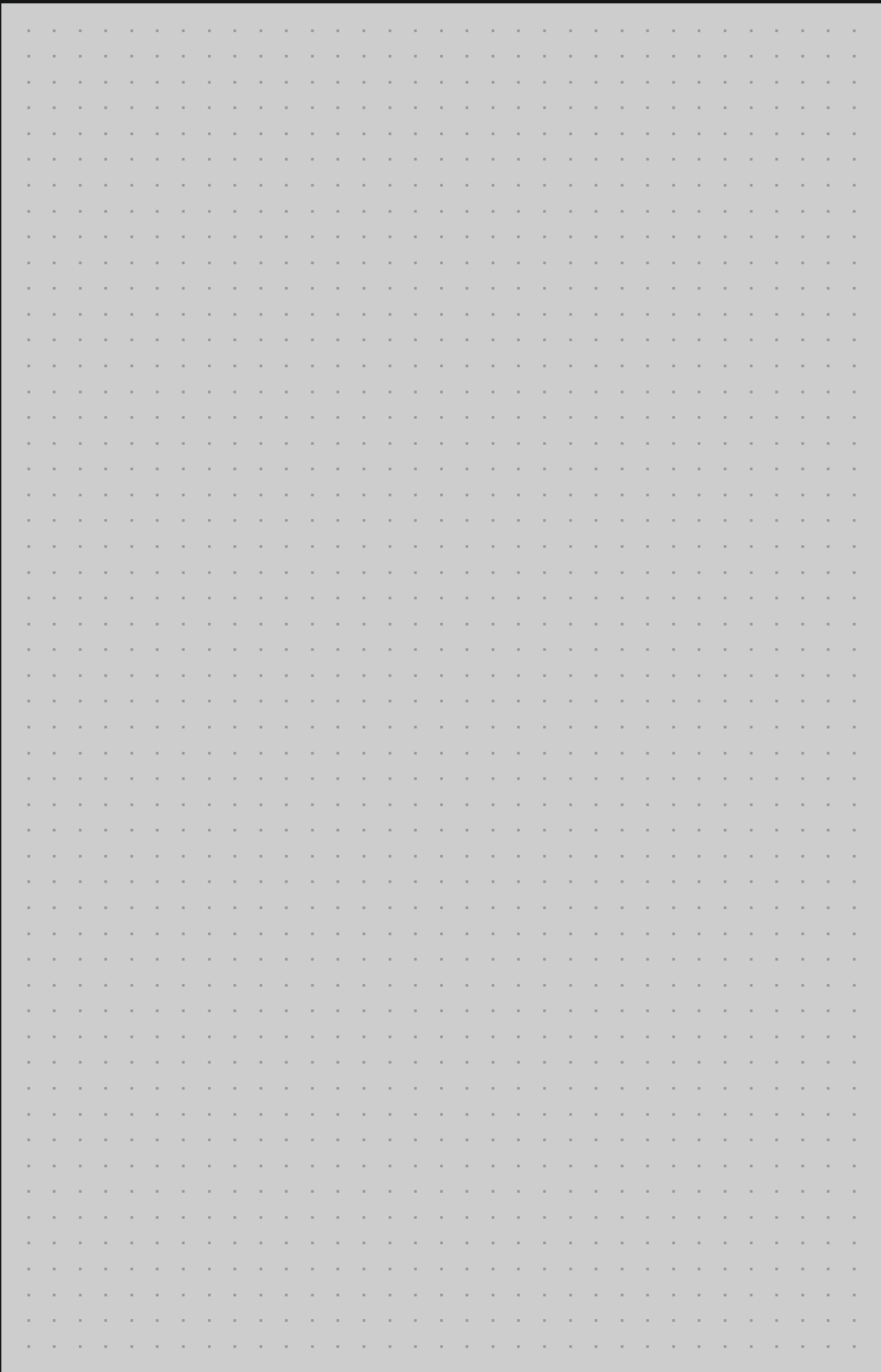


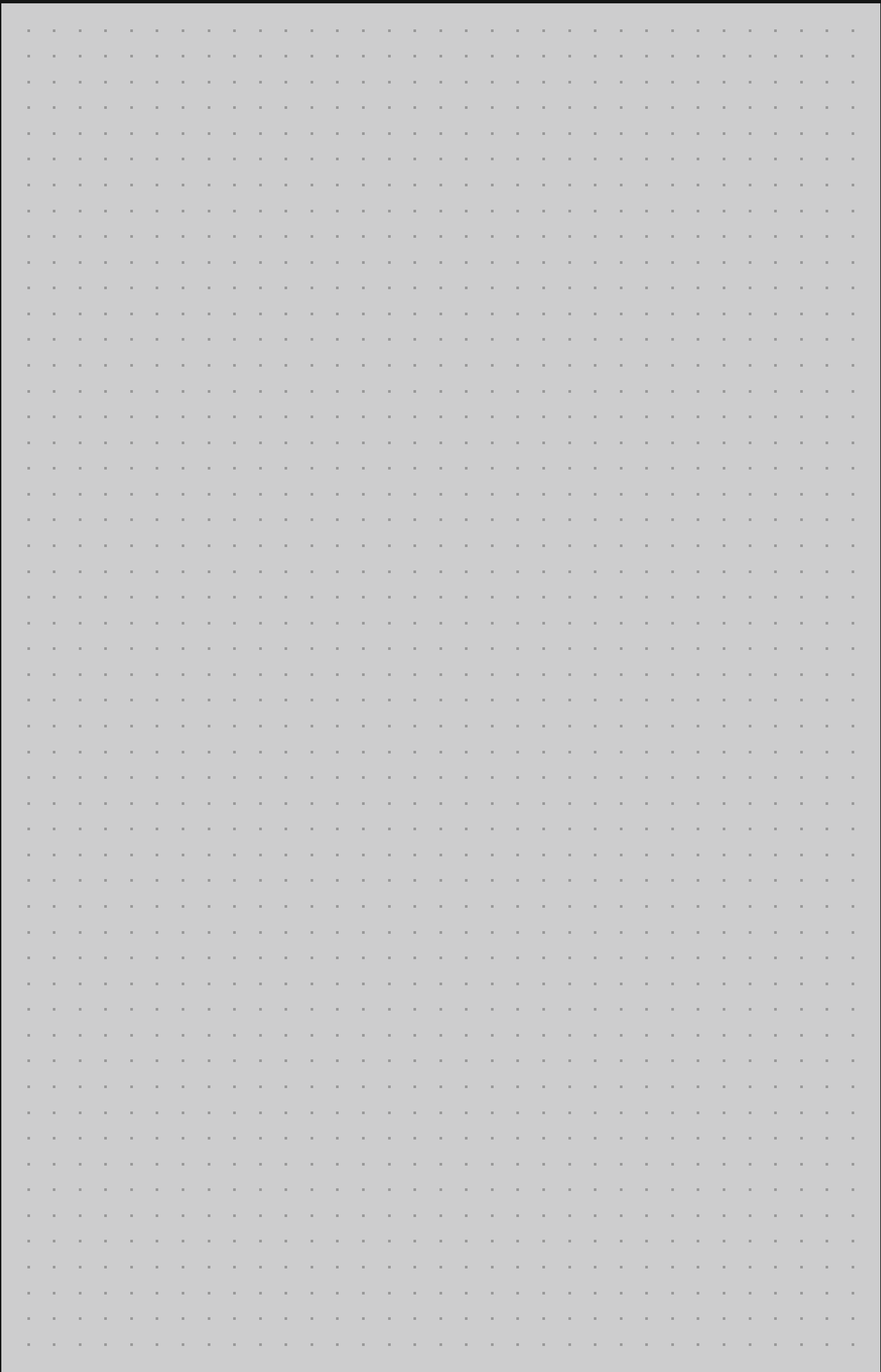
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