

MAXIMUM RESISTANCE.

Decades of Quality from Austria! www.sihga.com



SYSTEMCATALOGUE 2016

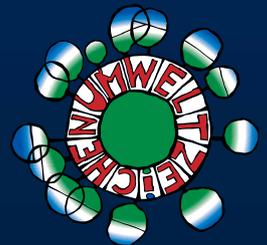
By Specialists for Specialists.

The SIHGA® Systemcatalogue

Personal catalogue for:

Environmental friendly

In order to protect the environment and our employee's health as efficiently as possible, recyclable material and environmentally friendly processes are used for packaging and printed matter.



UW 784



SIHGA®

The largest specialist for fastening technology
in wood construction

Strong products - made in Austria

SIHGA® is a privately owned company based in Gmunden, Upper Austria. Fastening from SIHGA® are the preferred choice today of many commercial and increasingly also private users in the German-speaking world.

Strong for our customers

Strong for our customers: SIHGA® sees every customer as a partner. Above all we supply trade, retail and industry. SIHGA® wood construction engineers create design suggestions, advise on realisation, train users on site and organise technical seminars for specialist areas in wood construction. Our innovations are packed exclusively in tailored system packaging and always include the installation instructions and high quality accessories.

Strong innovations

Our products are carefully packed and multiply tested in Austria. SIHGA® is the inventor of BeziFix®, BohrFix®, DielenFix®, Edstahl®, FassadenClip®, FugiFix®, GoFix®, HobaFix®, Hobet®, IdeFix®, JustiFix®, KompeFix®, L-GoFix®, MAGBIT®, Pick, RomboFix®, SenoFix®, SIHGAFIX®, Stabilix®, Stegsan®, SymbioFix®, SystemFix®, TerrassenFix®, WabaFix®, and ZaFix®.

SIHGA® is ISO 9001:2008 certified, honoured as an outstanding Austrian company, honoured as a leading Austrian company and as a leading company in Germany. In addition, SIHGA® holds over 70 patents and registered designs. SIHGA® is a licence holder and is also monitored by independent auditing institutions.

TAKE THE BEST.



TAKE SIHGA®



www.sihga.com

The strong website for partners and construction clients.

Welcome to the world of SIHGA® fastenings. On our web page you can find product information, request and order forms as well as several download possibilities.

SIHGA® Online-Shop

Product and installation videos

Online calculation

Recommendations

Product information

Technical details

Approvals

Installation instructions

News

SIHGA® reference properties

Tender texts



Secure is secure! With SIHGA®

Our all-inclusive work and services for your security.

SIHGA® **Product developments.** From practice for practice.

SIHGA® **Innovations.** We secure your advantage.

SIHGA® **Specialist competence.** Through our wood construction specialists.

SIHGA® **Quality.** Permanently tested and externally monitored.

SIHGA® **Ecology.** We take care of the environment.

SIHGA® **System packaging.** Tailored for wood construction.

SIHGA® **System catalogue.** Technical information at a glance.

SIHGA® **Online.** Calculations at the click of a mouse.

SIHGA® **Delivery service.** We deliver to our partner within 24 hours, without surcharges for smaller amounts, and carriage paid in Austria and Southern Germany.

We keep our promises.



SSSS

SIHGA® - Feature

YOUR - Benefit

exclusively for all SIHGA® products

security for YOUR future

this means

SIHGA SYSTEM SECURITY STANDARD®

and stands for

tested, regularly externally monitored, certified,
guaranteed, long-lived

TERRACE GUARANTEE



Guarantee up to 23 years

In the event of correct processing and standard use according to the SIHGA® installation instructions and SIHGA® design recommendations, SIHGA® guarantees the functionality of the SIHGA® fastenings according to the following conditions for a period of 23 years for the original buyer, first buyer.

Guarantee for our customers

If a defect occurs within 23 years from the date of purchase, which led or leads to the functioning of the fastenings supplied by SIHGA® failing, SIHGA® shall replace the defective product. The corresponding replacement shall be provided to the first buyer by SIHGA® – after a check by an appropriate expert – free of charge. The first buyer or other beneficiary of the guarantee themselves is responsible for the costs for the replacement itself, notably also for the removal and installation. In the event of a replacement, irrespective of the period of use of the failed fastening, unless specified otherwise in the individual case, the provision of an equivalent component for the fastening purpose is also possible. The guarantee is not extended by possible guarantee cases.



Conditions and Requirements

- The resistance against weathering, ozone and UV radiation applies for a period of 23 years under Central European weather conditions to fastening materials made of metal, and for a period of 15 years to fastening materials made of plastic, discolouration of the surface cannot be ruled out and does not justify a guarantee claim.
- Use of surface treatments, which do not contain organic solvents or solvents with aromatic hydrocarbons (note processing instructions, product and safety datasheets from the manufacturer).
- Processing according to SIHGA® installation instructions and design recommendations in the respective, most recent version.
- Compliance with design recommendations for terrace construction, applicable standards in wood and façade construction and with processing recommendations of the wood supplier(s).
- Use in temperatures between -30°C and +70°C with static load.

Even if only one of these requirements is not met, a claim under guarantee is excluded. Furthermore, a claim under guarantee is excluded in the event of the following types of use of the respective SIHGA® product:

- In chemically contaminated atmospheres (industry, ...) particularly with sulphur or chlorine compounds such as H₂SO₄, HCl, ...colour differences are not grounds for claim
- Use partly or fully in water
- If the stated temperature range is exceeded

Making claims

After discovering a product defect, a claim must be made immediately to SIHGA® in writing to the exclusion of other claims, providing the proof of purchase, in all cases within 14 days of discovery.

The claiming person must grant the expert from SIHGA® unrestricted access to the site, building or property where the fastening was installed in order to inspect the installation condition, photograph it and to examine the guaranteed fastening.

Third parties are not authorised to make statements or assurances on behalf of SIHGA® regarding the quality or usage properties of SIHGA® products, which go beyond the details provided in this guarantee. SIHGA® is not bound by such statements. Austrian law shall apply exclusively to this guarantee. Exclusive place of jurisdiction for any claims deriving herefrom is the materially competent court for A-4600 Wels. The General Terms and Conditions of SIHGA® GmbH shall apply.

DUO Bit

SIHGA® - Feature

lengths 150, 200, 350 mm

double Torx drive

made in Europe

colour-coding system

YOUR- Benefit

matching the requirements in wood construction

for double lifetime

european, tested workmanship for reliable quality

each bit size is clear at first glance



DUO-Bit TX 30, 150 mm length



DUO-Bit TX 40, 150, 200 und 350 mm length



DUO-Bit TX 50, 150 mm length

SIHGAFIX®

SIHGA® - Feature

the Original from SIHGA®

length 60 mm

also made from hardened stainless steel

vacuum ice-chill hardened

precisely milled drive zone

made in Germany

colour-coding system

YOUR- Benefit

the first Quadro attachment for use in battery-powered screwdrivers, hammer screwdrivers, chucks and bit holders

also screws easily in deep grooves

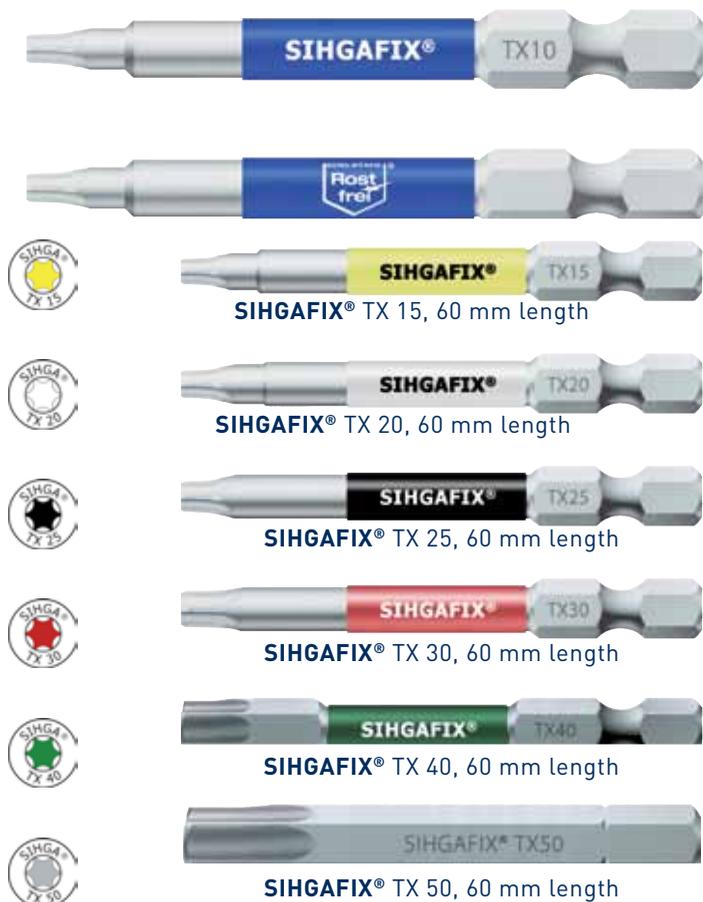
prevents rust from external sources occurring during screwing

for extremely high strength and lifespan

resulting in a very accurate fit

german, tested workmanship for reliable quality

each bit size is clear at first glance



MAGBIT®

SIHGA® - Feature

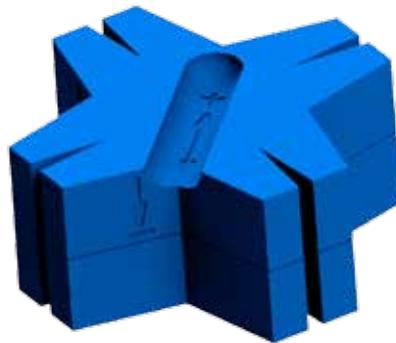
magnetise and demagnetise SIHGAFIX® or other steel tools

even hardened stainless steel screws stick to the magnetised SIHGAFIX®

YOUR- Benefit

with just a hand movement

easier installation and time savings especially with DielenFix® installation



SIHGA® TIP:

Rub over the Plus to magnetise and over the Minus to demagnetise.

SIHGA[®] System Packaging

SIHGA[®] - Feature

YOUR- Benefit

height and width always the same	so the space needed is also always the same
specially developed for installation; patent-protected	the accessories required for installation and the installation instructions are always enclosed
always firmly closable	in combination with the large cap, particularly practical against unintended emptying
patented, externally visible holders for accessories	the accessories are always to hand and visible in the unopened pack
system dimension on the left-hand side of the underside	the practical scale always available
Systemstift [®] enclosed	the carpenter's pencil that can also measure
water-repellent surface	a great help in wet building weather
added-value pack comprises four installation packs	added-value, also from the additional accessories pack



SIHGA[®] mehrwertpack



SIHGA[®] montagepack



SIHGA[®] Systemstift[®]

SIHGA® Systemverpackung

SIHGA® - Feature

YOUR- Benefit

package content for larger properties

very robust packaging without internal packaging

specially developed for installation;
patent-protected

the accessories required for installation and the
installation instructions are always enclosed

specially patented holders inside for accessories

so the accessories are always to hand

always firmly closable

in combination with the large cap, particularly
practical



SIHGA® objektpack

SIHGA® SystemFix®

SIHGA® - Feature

display aids for up to 160 installation packs

clear storage for up to 160 installation packs

expandable and changeable as desired

content is checked automatically

forward-sloping compartment floors

over 800 companies confirm that SystemFix® brings profits

YOUR- Benefit

less than half a square-metre needed

automatic moving-up of packages

shelf heights can be changed at any time and several SystemFix® can be connected to each other in a row

your personal SIHGA® application specialist is happy to agree to do this

so that the packages slide forward automatically

the fact that 80 % of the time is needed for 20 % of the purchasing volume is optimised by SystemFix®



SIHGA[®] Polo

SIHGA[®] - Feature

the original in a limited edition

piqué quality, 200g, inner cotton, outer polyfibre

sizes XS - S - M - L - XL - XXL - XXXL - 4XL

SIHGA[®] laser buttons, dark-blue

YOUR- Benefit

active breathing and still pleasant on the skin

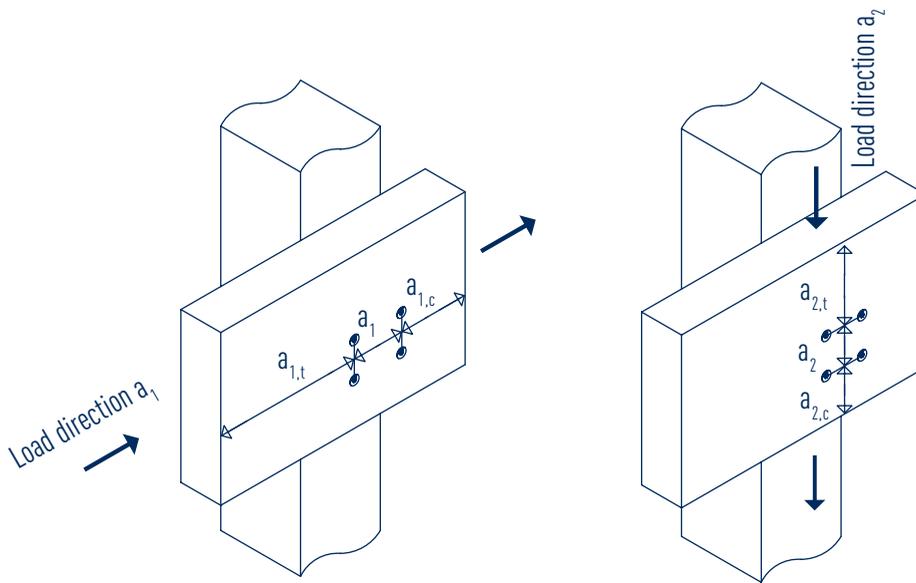
pollutant-free with Sanfor inlet protection

tailored cut up to size M, straight cut from size L

extensive contrasts in silver for narrow silhouette



Edge and axis distances



Axis-edge distance		not pre-drilled	pre-drilled / drill bit
Distance a		[mm]	[mm]
a_1	parallel to the grain	12 d	5 d
$a_{1,t}$	Stressed end-cut timber	15 d	12 d
$a_{1,c}$	Unstressed end-cut timber	10 d	7 d
a_2	Perpendicular to the grain	5 d	4 d
$a_{2,t}$	Stressed edge	10 d	7 d
$a_{2,c}$	Unstressed edge	5 d	3 d

d... screw diameter

Technical Informationen - Wood Construction

SIHGA® - Feature

YOUR- Benefit

bulk density with allocated designations

for a simple overview

eurocode 5 calculation

characteristic values in the SIHGA® tables have to be calculated further according to the following equation:

Raw density wood	Soft wood	Glue laminate timber	
290	C14		
330	C20		
350	C 24	GL24c	
370	C27		
380	C 30	GL24h	BS11h
410		GL28h	BS14h
450		GL36h	BS18h

ρ_k = Weight (kg) : Volume m^3
 C = Coniferous tree
 GL = Glue lam timber
 BS = Glued laminated timber

The aim of the innovative SIHGA® developments is to increase the efficiency of building with wood through modern mechanical fastenings. The load-bearing capacity and deformation behaviour of the fastenings have a critical impact on building designs.

The unique quality of wood as a material requires the greatest attention to connections and fastenings. For an easy overview of the strength classes of the various woods, please see the above table of raw density ρ_k with the assigned designations.

Class of exposure time	Size characteristic load effect	Usage class 1-2	k_{mod}
Constant	Longer than 10 years	Surface loads	0,6
Long	6 months to 10 years	Factories	0,7
Medium	1 week to 6 months	Living rooms	0,8
Short	Shorter than 1 week	Stairs	0,9
Very short	Shorter than 1 minute	Impact loads	1,1

As a result of the new standard Eurocode 5 and the introduced evidence concept with help from partial safety factors, wood construction is confronted with various values and calculation formulas.

On one hand, the effects are increased with certain partial safety factors, and on the other hand the load-bearing capacity (or resistance) of the material and fastenings are reduced with other partial safety factors. For this, SIHGA® offers pre-calculation for the respective load in various raw densities and wood qualities.

The characteristic values shown in the SIHGA® tables have to be calculated using the following equation:

R_d Calculation or design value
 k_{mod} Modification factor, influence of the load exposure period and usage class
 γ_M Partial safety factor for material property

$$R_d = \frac{k_{mod} \cdot R_k}{\gamma_M}$$

Surfaces



Galvanic zinc-coating according to ISO 2081, chromium 6 free, good corrosion protection under „normal“ environmental conditions without chemical exposure.



Similar to galvanic zinc-coating according to ISO 2081, chromium 6 free, but with special passivation and sealing! This gives increased corrosion protection, paintable surfaces and no contact-corrosion for metals with Al or Mg content. Current tests show the suitability for application in corrosive category C4-long or C5-medium according to EN ISO 12944-2:1988



High quality, cured dip-coating, which prevents the risk of hydrogen embrittlement, is paintable and offers improved slip properties.



High quality, cured dip-coating, which prevents the risk of hydrogen embrittlement, is paintable and offers improved slip properties. Current tests show the suitability for applications in corrosive category C4-long or C5-medium according to EN ISO 12944-2:1988.



Similar to galvanic zinc-coating according to ISO 2081, chromium 6 free, but with special thick-film passivation and additional layer of silicon oxide! The surface is paintable and has a „self-healing effect“ if damaged.



Similar to galvanic zinc-coating according to ISO 2081, but with zinc, nickel and passivated. This results in higher corrosion-resistance! Current tests show the suitability for applications in corrosive category C4-long or C5-medium according to EN ISO 12944-2:1988.



Similar to hot-dip galvanisation, the aluminium-zinc alloy is already applied in the manufacturing process. (For punched parts may mean blank cut edges). Therefore only suitable for direct weather exposure without additional surface under certain conditions.



Organic coating on stainless steel or additionally on coating SC 8.



Colour coating made from stainless steel.

All information about corrosion protection refers to tested products directly after production!

Material

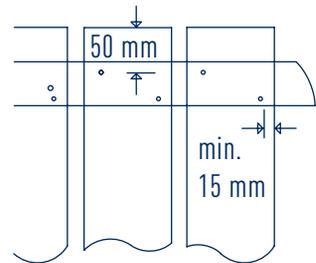


Design Recommendations - for Terrace

Wood moisture-content must not be more than 16% +/- 2 % when laying. Ideally, rift or half-rift goods (planks with standing annual rings) should be used.

The fastening distance to the end-grain must be at least 50 mm and not more than 100 mm!

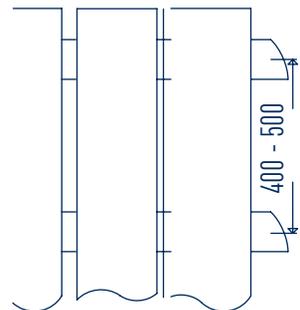
For woods high in tannin content, screws may become coated, because of chemical reactions this may lead to corrosion and dark discolouration. In principle, only stainless steel should be used for fastening terraces!



For the centre distance from the substructure, we recommend, for:

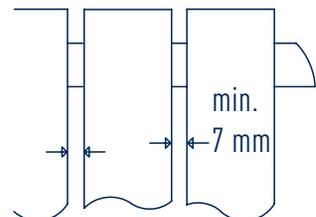
Thermo-wood and hard wood: 400 - 450 mm
Larch: 400 - 500 mm

Short centre distances ensure that the swell and shrinkage-related warping or rejection of individual terrace planks hold and that the terrace remains even and obstacle-free. The substructure should be made from SymbioFix® or the same wood type as the planks.

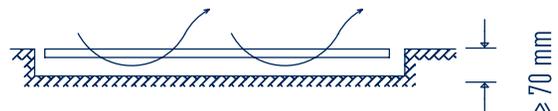


The joint distance for plank widths 90 - 120 mm should be at least 7 mm or 6% of the plank width!

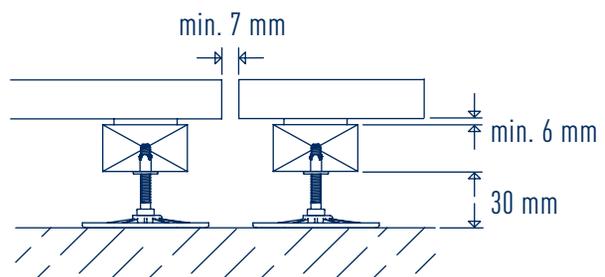
The planks must not be blocked in the joint!



For countersunk terrace constructions with low heights, a distance from the ground to the upper edge of the plank of > 70 mm is required in order to facilitate the ventilation of the terrace construction.



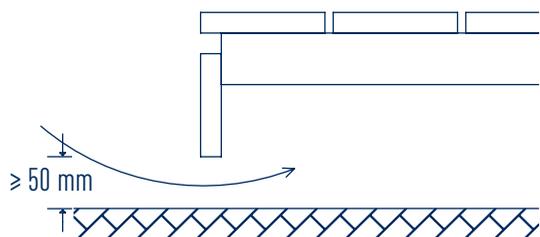
The distance between terrace planks and substructure should be at least 6 mm, in order to guarantee the ventilation of the terrace and to prevent a capillary effect, this is also the case for objects of the terrace.



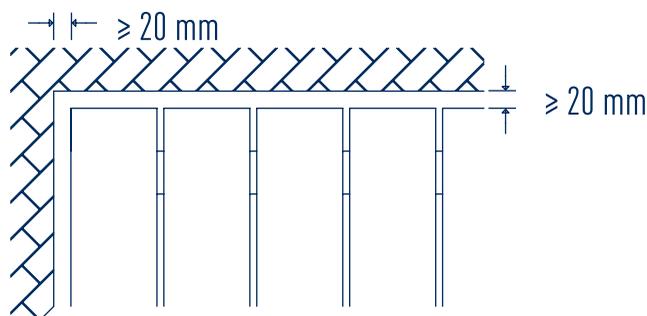
The butt joint should never be installed on the substructure and with a distance of at least 7 mm!

Plank joints on the substructure would lead to increased damp and subsequently to early damage.

There must be a distance of at least 30 mm between the substructure and ground in order to prevent damp! This distance should be bridged with adjustable feet or EPDM materials, but never with granulate material or wood.



If the side of the terrace is closed with a cover board, a ventilation opening of ≥ 50 mm (continuous) must be maintained for ventilation of the terrace construction. The cover board should not touch the ground.



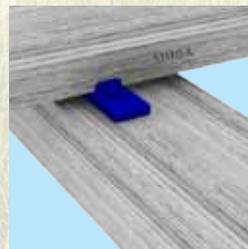
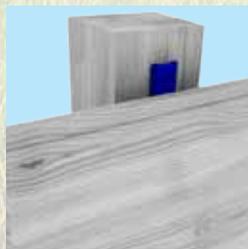
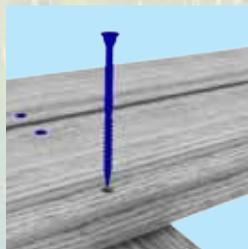
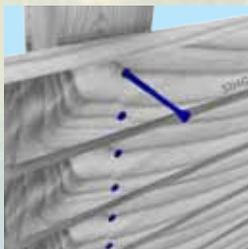
When connecting the terrace to the adjacent building, a distance of ≥ 20 mm must be observed so that the joints cannot close either through dirt or changes to the planks. The unhindered drainage on and beneath the terrace must be permanently guaranteed.

The terrace should be cleaned regularly.

Recommendations predrilling diameter and kind of wood

Screw	Cover	Substructure	Cover pre-drilling required	Pre-drilling diameter cover [mm]	Substructure pre-drilling required	Substructure pre-drilling [mm]
L-GoFix® MS 5,0 mm	all kinds of wood	conifer and thermo wood	thermo and hard wood	5,0	No	-
L-BohrFix® MB A4 5,5 mm	all kinds of wood	conifer, thermo and hardwood	thermo and hard wood	6,0	hard wood	4,0
L-BohrFix® MB 5,0 mm	all kinds of wood	aluminium and hardwood	Yes	6,0	No	-
Alu-BohrFix® 5,5 mm	all kinds of wood	aluminium	Yes	6,0	No	-

Façade / Terrace

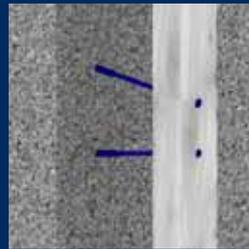
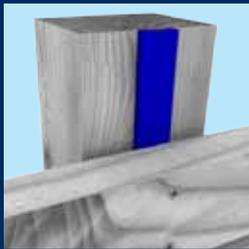


Fastening visible

L-BohrFix® MB	42
L-BohrFix® MB A4	44
Alu-BohrFix®	46
L-GoFix® MS	50
FugiFix® FF	54
TerrassenFix® II SET TFL	74
TerrassenFix® Depth Limiter TTB	75
TerrassenFix® Drilling Template TFS	76
TerrassenFix® Countersink TFB/ES II	77

Fastening invisible

F-BohrFix® ZB	40
FassadenClip® FCS	24
RomboFix® RF	26
DielenFix® II DF	28
FugiFix® FF	54
SenoFix® SX II	32
TerrassenFix® Clamp II TFZ	78



Constructive wood protection

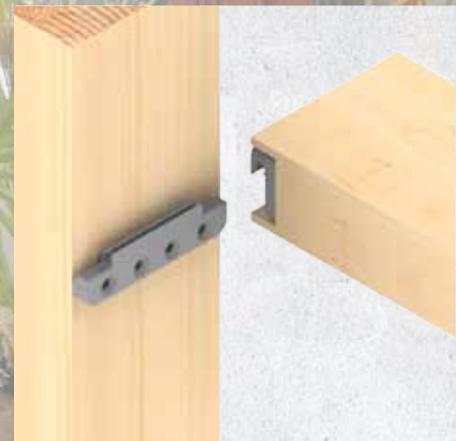
Substructure

KompeFix® II KF	70	HobaFix® Façade FA	22
TerrassenFix® II TF	72	BeziFix® Therm BT	34
TerrassenFix® Depth Limiter TTB	75	BeziFix® SR	38
TerrassenFix® Drilling Template TFS	76	S-BohrFix® SBF	48
TerrassenFix® Countersink TFB/ES II	77	JustiFix® JV	56
TerrassenFix® Clamp II TFZ	78	JustiFix® J	57
		JustiFix® II JM	58
		JustiFix® II JK	60
		SymbioFix® SFT	68

HobaFix® Façade FA



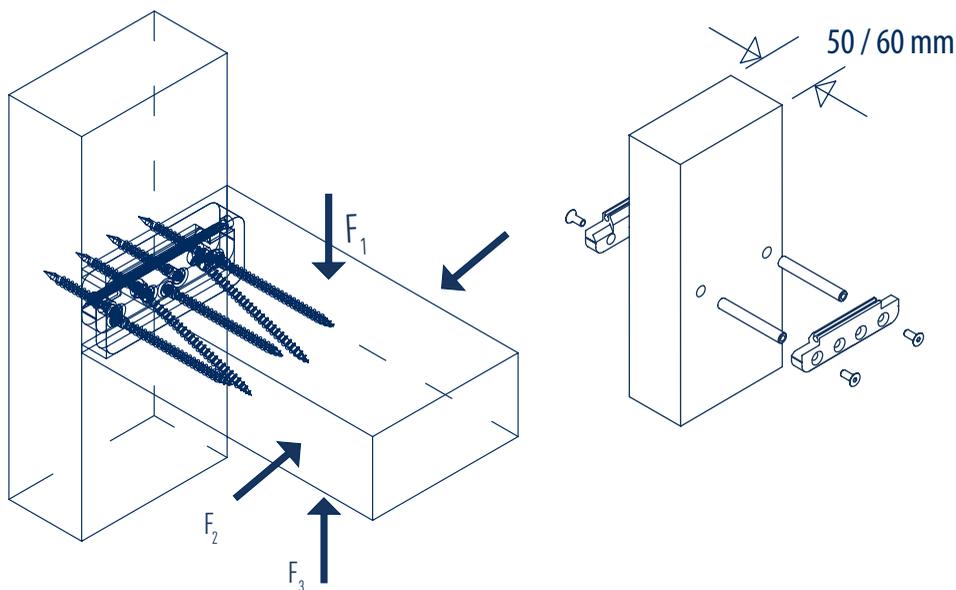
HobaFix® Façade FA
made from aluminium



SIHGA® - Feature

YOUR - Benefit

connects transom-mullion constructions	absorbs very high wind suction forces
patented supporting device; made and developed in Austria	large advantage in installation, the beam is inserted from inside to outside for the mullion
invisible connection	is not visible from outside
statically high loadable, per connection up to 11 kN	high, tested static values
including fixing screw for securing	facilitates loads in multiple directions
made from aluminium monitored	permanent, stable and form-stable quality
includes SIHGAFIX®, all fastening and fixing screws, installation instructions	time-saving, practical, precise, complete accessories enclosed
ETA European Technical Approval with external monitoring pending	trustworthy, externally monitored values provide certainty regarding the processing and rule out quality fluctuations
calculation values	simply read the dimensions
bilateral installation on mullions that at 50 or 60 mm wide	all required screws are always enclosed



VIDEO

SIHGA® montagepack		Dimensions	Secondary beam/girder		Characteristic values		
Art. No.	PU	HobaFix® FA Type	Height [mm]	Width [mm]	Load direction [kN]		
30146	20*	95	100	50	F ₁	F ₂	F ₃
					11,09	10,89	2,40

Characteristic values for dimensioning according to EC 5 | Characteristic values for strength class C 24 (ρ_k 350 kg/m³)
 * equals 10 connections



SIHGA® TIP:

The milling jig FAF, includes all accessories, professionally simplifies installation.

FassadenClip® FCS



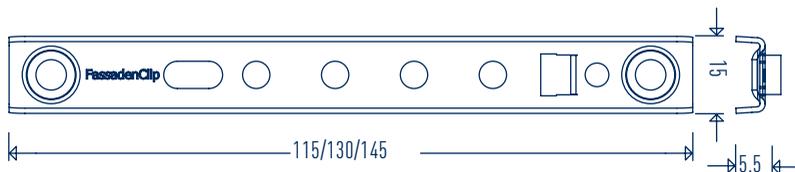
FassadenClip® FCS



SIHGA® - Feature

YOUR- Benefit

patented façade fastening, invisibly screwed; made and developed in Austria	the optically elegant surface is created simply, flexibly and without auxiliary tool
suitable for almost all wood types with profile height 57-95 mm	even less straight strips are fastened professionally
with SC 8® and SC 9® coating	fastens corrosion-protected and permanently, is heat, frost and UV resistant
automatic distance to the substructure is 5.5 mm	the façade remains ventilated, timber can dry well
freely selectable reveal width, we recommend 8 mm	the recommended joint width can be installed automatically without further aids
timber remains undamaged on all visible surfaces	timber is screwed from below, this prevents direct weathering and ensures a long-lived façade
includes SIHGAFIX®, all fastening screws, Systemstift® and installation instructions	time-saving, practical, precise, all accessories enclosed, SIHGAFIX® also screws in deep grooves
two screw points per FassadenClip® on the plank	creates the same stability as visibly screwed, prevents displacement of the timber
calculation values	calculations are per sq.m. 1 m ² : Substructure distance in m : (high façade profile + joint) SIHGA® performs the calculation for you, just read the timber thickness and requirement per s.qm



SIHGA®		Dimensions		Dimension of façade profile		BohrFix® FB
montagepack	VE	FassadenFix®	FCS	Height [mm]	Thickness [mm]	
Art. No.	VE	Type		min.	max.	min.
32355	300	115 x 17		57	68	Ø 4,2 x 17 or Ø 4,2 x 22 or Ø 4,2 x 28
32385	300	130 x 17		69	80	19
32415	300	145 x 17		81	95	
32365	300	115 x 22		57	68	24
32395	300	130 x 22		69	80	
32425	300	145 x 22		81	95	30
32375	300	115 x 28		57	68	
32405	300	130 x 28		69	80	
32435	300	145 x 28		81	95	L-BohrFix® FB Ø 4,5 x 29



VIDEO



SIHGA® TIP:

MAGBIT® simplifies the installation (page 10).

RomboFix[®] RF

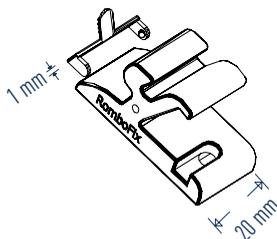
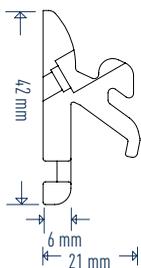


RomboFix[®] RF
made from SIHGAMID[®]

SIHGA® - Feature

YOUR - Benefit

Made, developed and patented in Austria	Local quality, experience from more than 150,000 m ² invisibly screwed façades included
Façade fastening invisibly screwed	Without damaging the surface, the optically elegant façade is created extremely quickly
For all rhombus beams from wood, modified wood or WPC, which are approved by SIHGA®	Saves lots of time, even less straight strips are fastened professionally
Compensation clip integrated	Compensates irregularities in the profile width
made from SIHGAMID®, the reinforced plastic from space research	Fastens more permanently than stainless steel, also for acidic woods, is extremely break-proof, heat, frost and UV resistant
automatic distance to the substructure is 6 mm	The façade is well ventilated, timber can dry well
consistent reveal distance	Suitable for every building client, we recommend 8 mm joint widths.
integrated awning effect	Ensures a long-lived, functioning façade
includes SIHGAFIX® rust-free, all fastening and fixing screws and installation instructions	Time-saving, practical, all accessories enclosed; SIHGAFIX® rust-free prevents rust from external sources and also screws into deep grooves
	Three illustrations above and stainless steel logo
with technical fire-protection assessment	Usable for building classes 1, 2, 3, 4, 5
ETA European Technical Approval with external monitoring applied for	Trustworthy, externally monitored values provide certainty regarding the processing and rule out quality fluctuations
calculation values	Calculations are per sq.m. 1 m ² : Substructure distance in m : (high rhombus beam + joint)



SIHGA®		Dimensions			System screw	
montagepack		RomboFix® RF [mm]			L-GoFix® MS	F-BohrFix® FB
Art. No.	PU	L	W	H	d, x L	d, x L
40406	100	42	20	21	4,5 x 60	4,2 x 28



SIHGA® TIP:

RomboFix® RF also fastens privacy shields, fences, balconies, blinds, easily and precisely. MAGBIT® simplifies the installation (page 10).

DielenFix[®] II DF



DielenFix[®] II DF / CS



DielenFix[®] DF



SIHGA® - Feature

YOUR- Benefit

fastens planks not visible screwed; made, developed and patented in Austria	gives the high end look and the security of screws
suitable for almost all wood types	reduces fault ratio when delivering the material to the construction site; this saves time and reduces storage costs
made from SIHGAMID®, the fibre-glass reinforced plastic from space research	fastens more permanently than stainless steel, also for acidic woods, is extremely break-proof, heat, frost and UV resistant; no material fatigue
planks remain undamaged on all visible surfaces	timber is screwed from below, this creates a longer lifespan and prevents rot, as well as direct weathering
compensates for the swelling and shrinkage of the wood	reduces the crack and break behaviour of the timber during these natural processes
selection of three screw lengths	possible use for all standard plank thicknesses more than 19 mm
variable reveal joint 0-15 mm	suitable for every construction client
construction height, material thickness 6 mm for optimal ventilation	ensures optimum constructive wood protection, the wood can swell and shrink, minimises the risk of cracks forming
A4 screws are enclosed with DielenFix® II DF CS	time-saving, practical, precise with appropriate SIHGAFIX® rust-free, which also prevents rust from external sources, and rust-free A4 stainless steel BohrFix® for salt water and chlorine environments
includes SIHGAFIX® rust-free, hardened rust-free stainless steel BohrFix® with drill bit and installation instructions	no rust from external sources, screws do not shear or break; time-saving, practical, precise, all accessories are enclosed



VIDEO



SIHGA® TIP:

MAGBIT® simplifies the installation (page 10).



SIHGA® - Feature

YOUR - Benefit

two screw points per DielenFix® on the plank

with joint space \geq 8mm

SIHGA® Guarantee up to 23 years

calculation values

two screw points per DielenFix on the plank

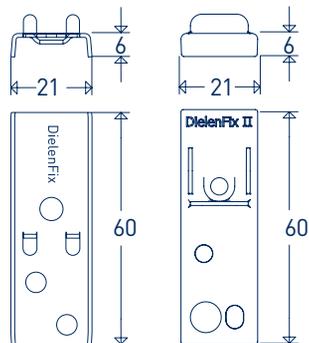
with joint space \geq 8mm

product security, also in the future, no guarantee repairs

SIHGA® performs the calculation for you, just read the plank thickness and requirement per s.qm.

SIHGA® objektpack		Dimensions DielenFix® DF	Plank thickness min.	Average quantity (m ²)
Art. No.	PU	Type	[mm]	pcs.
34119	300	DF 17	19	33
34129	300	DF 22	24	33
34139	300	DF 28	30	33
34259	300	II DF 17	19	33
34269	300	II DF 22	24	33
34279	300	II DF 28	30	33
34309	300	II DF 17 CS	19	33
34319	300	II DF 22 CS	24	33
34329	300	II DF 28 CS	30	33

*Assumption: axis distance subconstruction: 0,5 m and plank width: 12 cm
Calculation of quantities = m² : substructure distance : (floorboard width x gap) x 2



L-BohrFix® FB

Ø 4,2 x 17 oder

Ø 4,2 x 22 oder

Ø 4,2 x 28



L-BohrFix® FB

Ø 4,5 x 29



SIHGA® TIP:

Note design recommendations on page 18-19, as substructure we recommend the SymbioFix® rails on page 68.

SenoFix® SX II

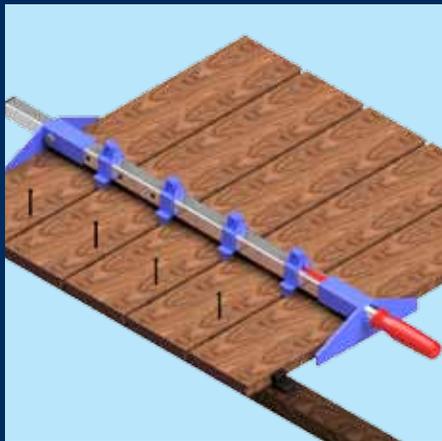


SenoFix® SX II
the Original

SIHGA® - Feature

YOUR- Benefit

made, developed and patented in Austria	local quality with local added-value, already 500,000 m ² of terraces laid
screwed plank fastening without damaging the top and side surfaces of the planks	simple, precise and fast, the optically elegant surface is created, it is only screwed in the joint using SenoFix®
ONLY for profiled timber approved by SIHGA®	can be laid on any substructure, we recommend the SymbioFix® rails (page 68)
automatic distance to the substructure is 5 mm	the terrace is well ventilated, the timber can dry well, accumulations of water are prevented, without additional aids
reveal joint width 6 mm	the integrated elastic joint spacer simultaneously increases walking comfort
stabilises and compensates for the wood's swell and shrinkage processes	significantly increases the lifespan of the terrace
only 1 screw per fastening point	saves 50 % installation time
IMPORTANT	never lay the time without TerrassenFix® II Clamp TZF including FugiFix® FFZ (page 79)
made from thermoplastic elastomers	is UV, frost and heat resistant, gives product security also for the future
fastening screw made from hardened stainless steel	enclosed, fastens rust-free and extremely break-resistant
includes SIHGAFIX® rust-free, all fastening screws and installation instructions	time-saving, practical, all accessories enclosed; SIHGAFIX® rust-free prevented rust from external sources and also screws into deep grooves
calculation values	requirement calculated in items per m ² : 1 m ² : Substructure distance in m : (width of terrace planks + joint in m)



VIDEO



SIHGA® TIP:

Note design recommendations on page 18-19; the efficient tool for laying the wood is the Terrassen-Fix® II Clamp TZF including FugiFix® FFZ (page 79). MAGBIT® simplifies the installation (page 8).

BeziFix[®] Therm BT

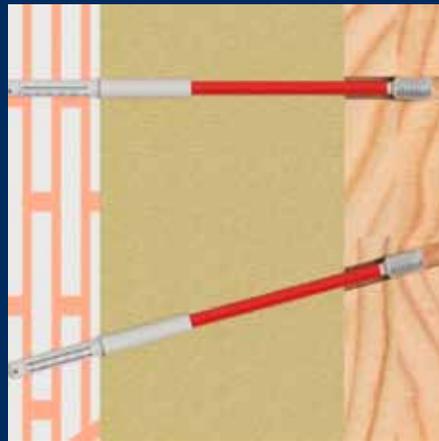
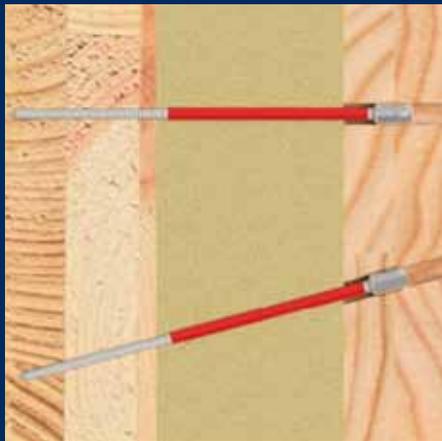


BeziFix[®] Therm BT

SIHGA® - Feature

YOUR- Benefit

fastens the entire façade without additional battens	assumes the entire load through the façade covering
fastens on wood or brickwork with the anchor BeziFix®Therm TR	can be installed on any foundation, with the BeziFix® Anchor TR the Hozibo drill is always enclosed for precisely fitting drilling through all materials. Hozibo® even leaves hollow bricks undamaged
also protects the substructure of the façade	SC 3® corrosion protection and insulation protect against rust and corrosion
adjusts the façade	saves underlay work for levelling and counter-battens
also for full-surface heat insulation	the insulation remains dry
ETA European Technical Approval with external monitoring applied for	trustworthy, externally monitored values provide certainty regarding the processing and rule out quality fluctuations
includes Systemstift® and installation instructions	enclosed accessories - practical and time-saving
easy installation for soft, hard, blown-in and full surface insulation up to 300 mm, can be used horizontally and vertically	fast, thereby saving time and wage costs
online calculation values	www.sihga.com



VIDEO



calculation values

SIHGA® performs the calculation for you

online calculation values

www.sihga.com

SIHGA®		Dimensions	Insulation	Calculation example	
montagepack		BeziFix® Therm BT	I. max.	Total weight, façade	Fastening distance
Art. No.	PU	$d_1 \times L$	[mm]	[kg/m ²]	E_v [cm]
29096	50	7,2 x 220	100	25	160
29106	50	7,2 x 240	120	25	147
29116	50	7,2 x 260	140	25	129
29126	50	7,2 x 280	160	25	115
29136	50	7,2 x 300	180	25	104
29146	50	7,2 x 320	200	25	95
29156	50	7,2 x 340	220	25	87
29166	50	7,2 x 360	240	25	81
29176	50	7,2 x 380	260	25	75
29186	50	7,2 x 400	280	25	70
29196	50	7,2 x 420	300	25	66

Calculation with wind pressure 0,8 kN / m² - counter battens 50 x 80 mm C 24 - horizontal distance 600 mm
 Quantity = m² : distance subconstruction : distance $E_v \times 2$

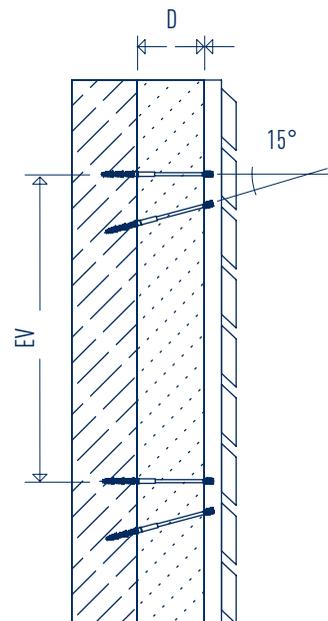
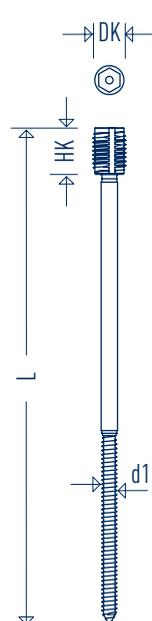
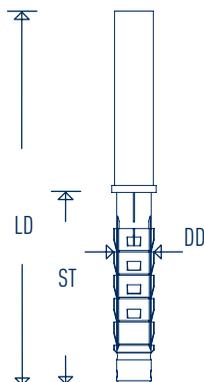
SIHGA®		Dimensions	Seat depth	Drill length	Screw length
montagepack		BeziFix® dowel TR	ST	Holzibo®	BeziFix® Therm BT
Art. No.	PU	DD x LD	[mm]	[mm]	[mm]
29216	50	10 x 100	60	450	220 - 360
29226	50	10 x 100	60	600	380 - 420

Dimensions [mm]

BeziFix® Therm BT

d_1	DK	HK	BK
7,2	14	20	13

BK... drilling diameter for head DK



BeziFix[®] Therm BT accessories



SIHGA[®] - Feature BeziFix[®] fastening tool

two functions in one tool



for 13 mm drill chucks

YOUR - Benefit

one side is designed for mounting the BeziFix[®] Therm BT on timber or brickwork, the opposite side is used for the adjustment of the battens

fits all conventional chucks

BeziFix[®] drilling guide

for accurate guiding of the hammer drill in brickwork, even angular



the fixed disks accurately indicate 90° or 15° and ensure easy handling

BeziFix[®] Lewis drill

Ø 13 mm, length 200 mm



for drilling in battens

Hozibo[®] - drill

drill with exact hole for SDS-slot



automatically impact stop

drills wood and bricks in one process

Hozibo[®] even leaves hollow bricks undamaged

BeziFix[®] Therm dowels TR

works in vertical coring bricks, light, normal and cellular concrete, solid brick, and solid sand-lime bricks



integrated ant-rotation lock and plugs

ETA European Technical Approval with external monitoring applied for

high loading capacity, even in vertical coring bricks

for an undisturbed assembly

trustworthy, externally monitored values provide certainty regarding the processing and rule out quality fluctuations

BeziFix® SR



BeziFix® SR
the Original

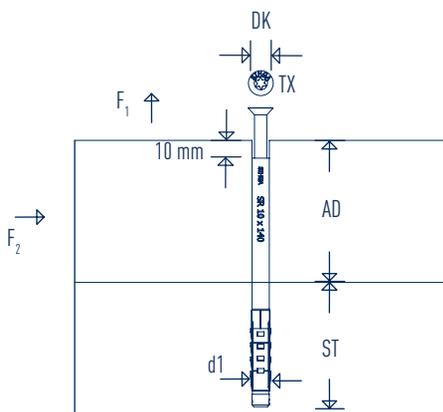
SIHGA® - Feature

YOUR- Benefit

fastens in hollow bricks, lightweight and normal concrete, solid bricks, limestone blocks and porous concrete	particularly good hold, even in hollow brick
integrated anti-rotation lock	for easy installation
fastens 20 - 200 mm thick materials	very universally usable with limited storage work
no protruding wall at the end of the anchor	can be screwed flush-mounted
with SC 1® coating	fastens corrosion-protected and permanently
screw already inserted into anchor	fast, saves installation work on-site
includes SIHGAFIX®, Hozibo drill with SDS holder and installation instructions	time-saving, practical, precise, all accessories are enclosed, Hozibo, the drill for wood and brick in one working process through automatic hammer stop
ETA European Technical Approval with external monitoring applied for, fire-resistance class REI 90	trustworthy, externally monitored values provide certainty regarding the processing and rule out quality fluctuations
calculation values	SIHGA® performs the calculation for you, just read the attachment thickness and kN per fastening point

SIHGA® montagepack		Dimensions BeziFix® SR	Installation part AD	Recommended Values Tension F_1 / Shear F_2	
Art. No.	PU	$d_1 \times L$	[mm]	HLZ [kN]	concrete [kN]
33016	50	10 x 80	20	1,00	4,50
33026	50	10 x 100	40	1,00	4,50
33036	50	10 x 120	60	1,00	4,50
33046	50	10 x 140	80	1,00	4,50
33056	50	10 x 160	100	1,00	4,50
33066	50	10 x 180	120	1,00	4,50
33076	50	10 x 200	140	1,00	4,50
33086	50	10 x 230	170	1,00	4,50
33096	50	10 x 260	200	1,00	4,50

min. setting depth in load-bearing walls: 70 mm
HLZ = perforated bricks



Dimensions [mm]			
BeziFix® SR			
d_1	TX	DK	ST
10	40	14	70



VIDEO



F-BohrFix[®] ZB



F-BohrFix[®] ZB made from hardened stainless steel or SC 1[®]



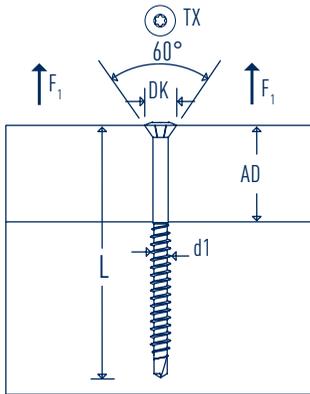
F-BohrFix[®] with additional SC 9[®] coating



SIHGA® - Feature

YOUR- Benefit

fastens wood to wood with small decorative head Ø 5.2 mm	façade formwork is fastened directly in the spring
fastens without drilling	fast, saves installation work
fastens without splitting the wood	also clean fastening close to the edge
made from hardened stainless steel	fastens without rusting, also in acidic woods and is extremely break-proof
includes SIHGAFIX® rust-free, Systemstift® and installation instructions	time-saving, practical, all accessories enclosed; SIHGAFIX® rust-free prevents rust from external sources and also screws into deep grooves
also with SC 9® coating with black surface	also fastens dark materials without visible screws
also with SC 1® coating	the corrosion protection for normal environmental conditions without chemical exposure
calculation values	static values from practice for practice



SIHGA® montagepack		Dimensions	Installation part	Recommended Values	
Art. No.	PU	F-BohrFix® ZB d ₁ x L	AD [mm]	Tension load F ₁ [kN]	
				Head	Thread
27956	500	3,2 x 35	14	0,12	0,30
27966	500	3,2 x 40	16	0,12	0,34
27976	500	3,2 x 50	20	0,12	0,42
27986	500	3,2 x 60	24	0,12	0,51

Dimensions [mm]

F - BohrFix® ZB

d ₁	TX	DK	Decorative head
3,2	10	5,2	60°



VIDEO



SIHGA® TIP:

MAGBIT® simplifies installation (page 10); timber outdoors should only be fastened with stainless steel products.

L-BohrFix[®] MB



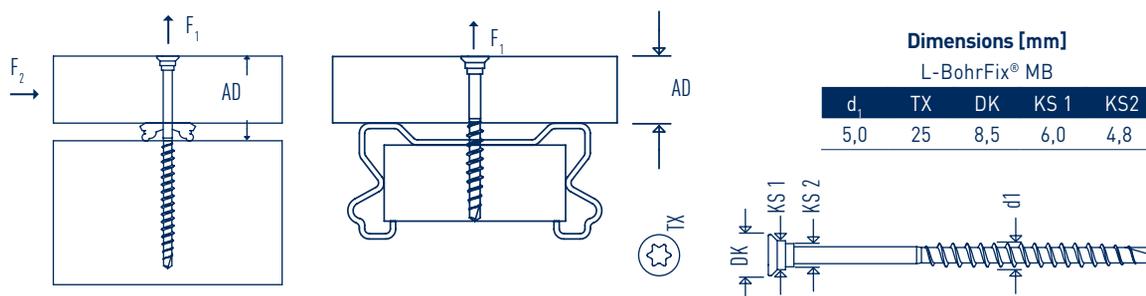
L-BohrFix[®] MB made from hardened stainless steel



SIHGA® - Feature

YOUR- Benefit

fastens on aluminium up to 2.5 mm thick, wood and SymbioFix rails	fastens all woods without pre-drilling, also hard woods or thermo-woods
drill point with special shape	prevents cracks in the wood, even close to the edge
made from hardened stainless steel	fastens without rusting, also in acidic woods and is extremely break-proof
multistage head with small head diameter 8.5 mm	Elegant look, non-cutting screwing
includes SIHGAFIX® rust-free, Systemstift® and installation instructions	time-saving, practical, all accessories enclosed; SIHGAFIX® rust-free prevented rust from external sources and also screws into deep grooves
ETA European Technical Approval with external monitoring issued	trustworthy, externally monitored values provide certainty regarding the processing and rule out quality fluctuations
SIHGA® Guarantee 23 years	product security, also in the future
calculation values	SIHGA® performs the calculation for you, just read the attachment thickness
also suitable for invisible fastening	no splitting effect on the surface



SIHGA®	Dimensions	Installation part	Installation part SymbioFix®	Characteristic values		
montagepack	L-BohrFix® MB	AD	AD	Tension load F ₁ [kN]	Tension load F ₂ [kN]	
Art. No.	PU	d ₁ x L [mm]	[mm]	Head	Wood-Wood	
25896	200	5,0 x 35	14	5	1,10	1,45
25906	200	5,0 x 40	16	10	1,10	1,45
25916	200	5,0 x 45	18	15	1,10	1,45
25926	200	5,0 x 50	20	20	1,10	1,45
25936	200	5,0 x 55	22	25	1,10	1,45
25946	200	5,0 x 60	24	30	1,10	1,45
25956	200	5,0 x 65	26	35	1,10	1,45
25966	200	5,0 x 70	28	40	1,10	1,45
25976	200	5,0 x 80	32	50	1,10	1,45

Characteristic values for dimensioning according to EC 5 | Characteristic values for strength class pk 410 kg/m³



VIDEO



SIHGA® TIP:

When installing on aluminium, always drill surface cover with Ø 6 mm, note design recommendations on page 18-19.

L-BohrFix® MB A4



L-BohrFix® MB A4 made from hardened stainless steel A4



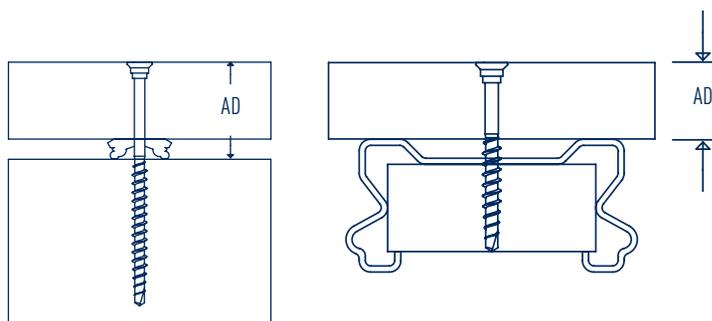
INNOVATION
2016

SIHGA® - Feature

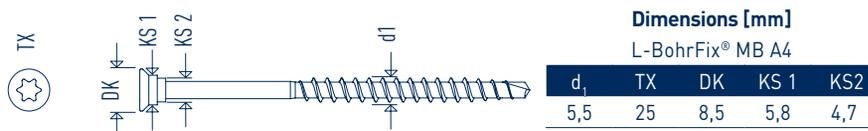
YOUR- Benefit

fastens all types of wood, even when exposed to salt and chlorine	fastens timber without pre-drilling and without splitting
drill point with special shape	prevents cracks forming in the wood
made from rust-free stainless steel A4	fastens without rusting, also in acidic woods and when exposed to salt and chlorine
small head diameter with 8.5 mm multi-stage head	elegant look, non-cutting screwing
ETA European Technical Approval with external monitoring applied for	trustworthy, externally monitored values provide certainty regarding the processing and rule out quality fluctuations
SIHGA® Guarantee up to 23 years	product security, also in the future
includes SIHGAFIX® rust-free, Systemstift® and installation instructions	time-saving, practical, all accessories enclosed; SIHGAFIX® rust-free prevented rust from external sources and also screws into deep grooves
calculation values	SIHGA® performs the calculation for you, just read the attachment thickness

SIHGA®		Dimensions	Installation part for wooden substructure	Installation part for SymbioFix®	
montagepack		L-BohrFix® MB A4	AD	AD	Seat Depth
Art. No.	PU	d ₁ x L	[mm]	[mm]	[mm]
37766	200	5,5 x 60	24	30	30
37776	200	5,5 x 70	28	40	30
37786	200	5,5 x 80	32	50	30



VIDEO



SIHGA® TIP:

To extend the life of timber constructions, we recommend using KompeFix® (page 70) and noting the design recommendations (page 18-19).

Alu-BohrFix®



INNOVATION
2016

INNOVATION
2016



Alu-BohrFix® made from
hardened stainless steel



SIHGA® - Feature

fastens all types of wood to aluminium

extra-long drill bit

made from hardened stainless steel

small head diameter with 8.5 mm

includes SIHGAFIX® rust-free, Systemstift® and installation instructions

SIHGA® Guarantee up to 23 years

calculation values

YOUR - Benefit

for fastening to aluminium profiles with wall thickness up to 5 mm

even 5 mm-thick aluminium without pre-drilling

fastens without rusting, also in acidic woods and is extremely break-proof

elegant look, non-cutting screwing

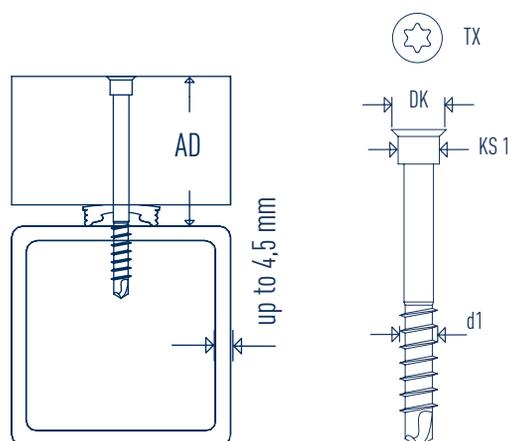
time-saving, practical, all accessories enclosed; SIHGAFIX® rust-free prevented rust from external sources and also screws into deep grooves

product security, also in the future

SIHGA® performs the calculation for you, just read the attachment thickness

SIHGA®	Dimensions	max. Installation part	
montagepack	Alu-BohrFix®	AD	
Art. No.	PU	d ₁ x L	[mm]
33976	200	5,5 x 46	25
33986	200	5,5 x 51	30
33996	200	5,5 x 61	40

Dimensions			
Alu-BohrFix®			
d ₁	TX	DK	KS 1
5,5	25	8	6



VIDEO



SIHGA® TIP:

To extend the life of timber constructions, we recommend using KompeFix® (page 70) and noting the design recommendations (page 18-19).

S-BohrFix[®] SBF



S-BohrFix[®] SBF made from hardened stainless steel



SIHGA® - Feature

YOUR- Benefit

fastens wood to steel without pre-drilling

simply screw through up to 5 mm thick steel, up to quality S355, in one working step

drill bit with special shape and thread lock flanks

fastens woods up to 90 mm to steel in one step.

made from hardened stainless steel

fastens rust-free, also for acidic wood and is extremely break-proof; prevents black discolouration on the façade

includes SIHGAFIX® rust-free, Systemstift® and installation instructions

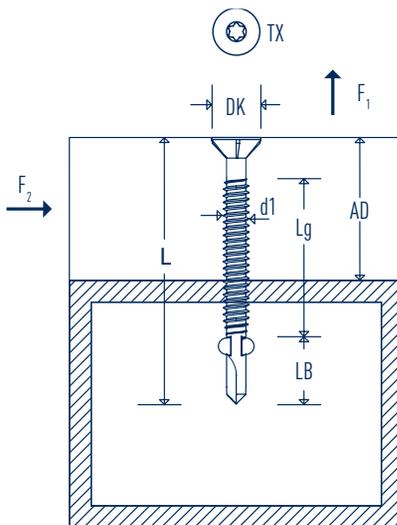
time-saving, practical, all accessories enclosed; SIHGAFIX® rust-free prevented rust from external sources and also screws into deep grooves

calculation values

SIHGA® performs the calculation for you, just read the attachment thickness

SIHGA®		Dimensions	Installation part	Thread	Drilling capacity	Recommended Values	
montagepack	PU	S-BohrFix® SBF	AD	Lg	Steel	Tension load F_1	Shear load F_2
Art. No.		$d_1 \times L$	[mm]	[mm]	[mm]	[kN]	[kN]
31236	100	4,8 x 38	20	22	2,2	0,45	0,64
31246	100	5,5 x 45	25	26	4,0	0,61	0,64
31256	100	5,5 x 50	30	32	4,0	0,61	0,84
31266	100	6,3 x 60	40	31	5,0	0,72	0,84
31276	100	6,3 x 70	50	41	5,0	0,72	0,84
31286	100	6,3 x 85	60	46	5,0	0,72	0,84
31296	100	6,3 x 110	90	46	5,0	0,72	0,84

Due to different metal qualities, the drilling capacity has to be determined on site by trial screwing.



Dimensions [mm]

S-BohrFix® SBF

d_1	TX	DK	LB
4,8	25	9,5	10,0
5,5	30	11,0	15,0
6,3	30	12,0	15,0



VIDEO



SIHGA® TIP:

Because of the swell and shrinkage behaviour of wood, substructure timber only should be fastened to steel, and then the surface timber.

L-GoFix[®] MS



L-GoFix[®] MS made from
hardened stainless steel



L-GoFix[®] MS with additional
SC 9[®] coating



SIHGA® - Feature

YOUR- Benefit

fastens wood to wood without pre-drilling and without countersinking	prevents cracks and splits in the timber, even for OSB panels or timber with high tannin content; saves time
also fastens tropical woods and thermo-woods	creates a perfect look, with these woods pre-drilling is recommended
multistage head with small head diameter	high constructive wood protection and polished surface as a result of the plane head
special thread angle with sharp thread edges	high extraction value
SIHGA® point with special shape	guarantees fast setting of screws without splitting
SIHGA® ribs on shaft and slip coating	light, fast rotation and optimum fit in the wood are guaranteed
made from hardened stainless steel	fastens without rusting, also in acidic woods and is extremely break-proof
also available with SC 9® coating (in black)	optimal on dark materials
also available with SC 11® coating (antique look)	can be used for larch, Douglas fur and Bangkirai
includes SIHGAFIX® rust-free, Systemstift® and installation instructions	time-saving, practical, all accessories enclosed; SIHGAFIX® rust-free prevented rust from external sources and also screws into deep grooves
ETA European Technical Approval with external monitoring issued	trustworthy, externally monitored values provide certainty regarding the processing and rule out quality fluctuations
SIHGA® Guarantee 23 years	product security, also in the future



VIDEO



SIHGA® - Feature

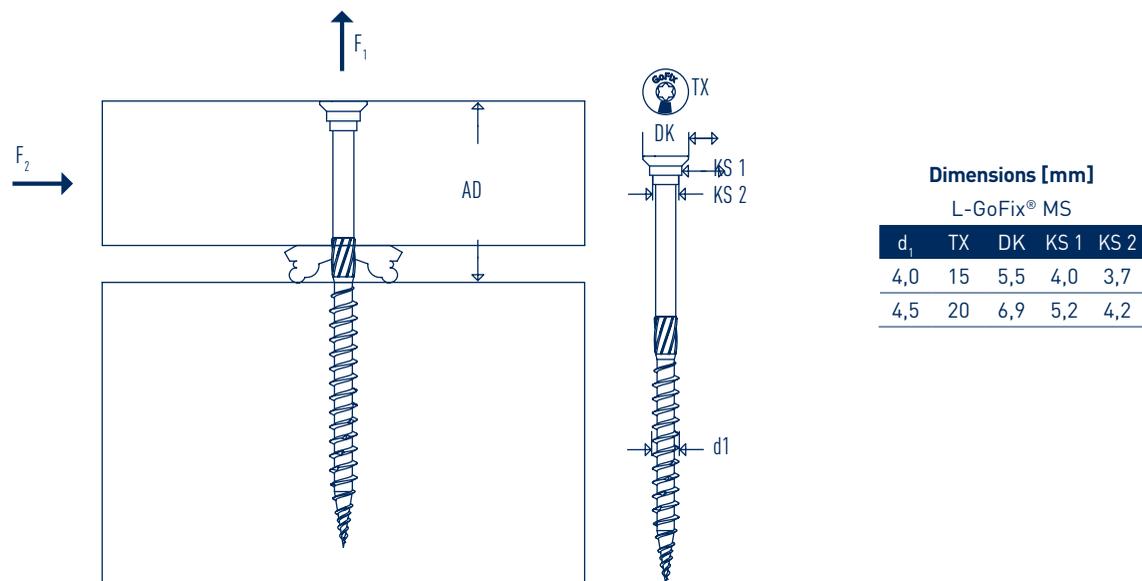
YOUR- Benefit

calculation values

SIHGA® performs the calculation for you, just read the attachment thickness

includes SIHGAFIX® rust-free, Systemstift® and installation instructions

time-saving, practical, all accessories enclosed; SIHGAFIX® rust-free prevented rust from external sources and also screws into deep grooves



Dimensions [mm]

L-GoFix® MS

d ₁	TX	DK	KS 1	KS 2
4,0	15	5,5	4,0	3,7
4,5	20	6,9	5,2	4,2

SIHGA® montagepack	Dimensions L-GoFix® MS	Installation part AD	Characteristic values				
			Tension load F ₁ [kN]		Shear load F ₂ [kN]		
Art. No.	PU	d ₁ x L [mm]	Head	Thread	Wood-Wood	Steel-Wood	
24106	500	4,0 x 30	12	0,46	1,05	0,97	1,23
24116	500	4,0 x 35	14	0,46	1,23	0,97	1,23
24126	500	4,0 x 40*	16	0,46	1,41	0,97	1,23
24136	500	4,0 x 45	18	0,46	1,58	0,97	1,23
24146	500	4,0 x 50*	20	0,46	1,76	0,97	1,23
24156	500	4,0 x 60*	24	0,46	2,05	0,97	1,23
24226	400	4,5 x 40*	16	0,77	1,30	1,30	1,51
24236	400	4,5 x 45*	18	0,77	1,48	1,30	1,51
24246	400	4,5 x 50*	20	0,77	1,67	1,30	1,51
24266	400	4,5 x 60*	24	0,77	1,85	1,30	1,51
24276	300	4,5 x 70*	28	0,77	2,16	1,30	1,51

* with SC 9 coating available

Characteristic values for dimensioning according to EC 5 | Characteristic values for strength class pk 410 kg/m³



SIHGA® TIP:

Always screw in flush, this prevents accumulations in the wood above the screw head, risk of tripping from protruding heads or burning for small children in high summer.

SIHGA® - Feature

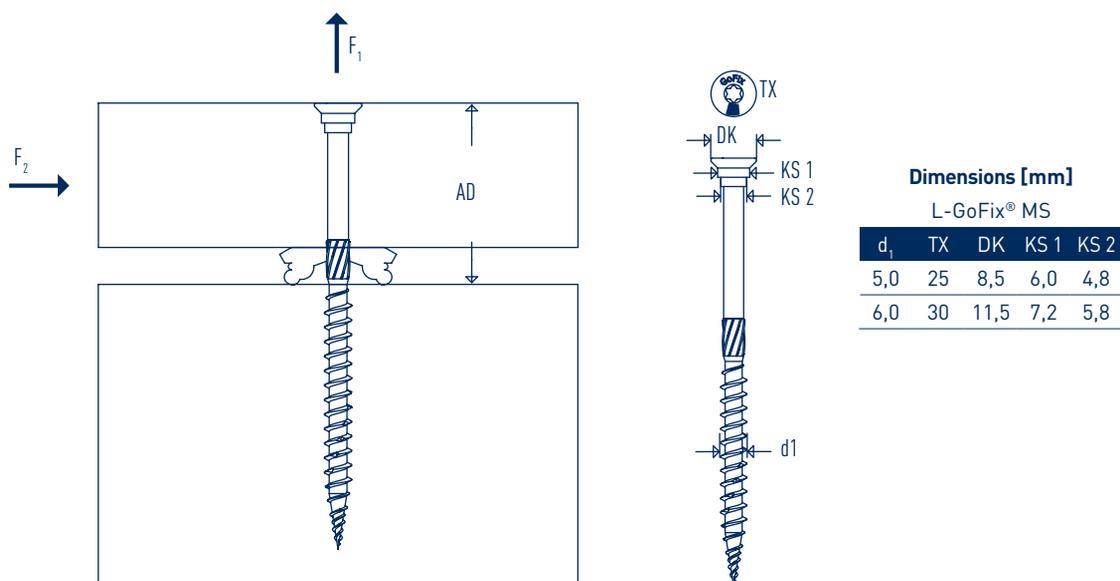
YOUR- Benefit

calculation values

SIHGA® performs the calculation for you, just read the attachment thickness

includes SIHGAFIX® rust-free, Systemstift® and installation instructions

time-saving, practical, all accessories enclosed; SIHGAFIX® rust-free prevented rust from external sources and also screws into deep grooves



Dimensions [mm]

L-GoFix® MS

d ₁	TX	DK	KS 1	KS 2
5,0	25	8,5	6,0	4,8
6,0	30	11,5	7,2	5,8

SIHGA®		Dimensions	Installation part	Characteristic values			
montagepack		L-GoFix® MS	AD	Tension load F _t [kN]		Shear load F _v [kN]	
Art. No.	PU	d ₁ x L	[mm]	Head	Thread	Wood-Wood	Steel-Wood
24316	200	5,0 x 45*	18	1,10	1,79	1,45	1,71
24326	200	5,0 x 50*°	20	1,10	2,06	1,45	1,71
24336	200	5,0 x 60*°	24	1,10	2,40	1,45	1,71
24346	200	5,0 x 70*	28	1,10	2,75	1,45	1,71
24356	200	5,0 x 80*	32	1,10	3,43	1,45	1,71
24366	200	5,0 x 90*	36	1,10	3,78	1,45	1,71
24376	200	5,0 x 100*	40	1,10	4,12	1,45	1,71
24406	100	6,0 x 70	28	1,96	3,11	2,07	2,61
24416	100	6,0 x 80	32	1,96	3,88	2,07	2,61
24426	100	6,0 x 90	36	1,96	4,27	2,07	2,61
24436	100	6,0 x 100	40	1,96	4,66	2,07	2,61
24446	100	6,0 x 120	50	1,96	5,43	2,07	2,61
24456	100	6,0 x 140	70	1,96	5,43	2,07	2,61
24466	100	6,0 x 160	90	1,96	5,43	2,07	2,61

* with SC 9 coating available

° with SC 11 coating available

Characteristic values for dimensioning according to EC 5 | Characteristic values for strength class pk 410 kg/m³



SIHGA® TIP:

Requirement calculated in items per m²:

1 m² : Substructure distance in m : (width of wood profile + joint in m) x 2

FugiFix® FF



FugiFix® FF made from
SIHGAMID®

SIHGA® - Feature

universal joint spacer for façades

universal joint spacer for terraces

made from SIHGAMID®, the fibre-glass reinforced plastic from space research, made in Austria

YOUR- Benefit

joint widths of 8 mm can be set quickly

joint widths of either 5, 6, 7 or 8 mm can be set quickly

because of the geometry, the FugiFix® cannot fall into the joint and can easily be removed again

SIHGA® montagepack		Dimensions FugiFix®	Joint width
Art. No.	PU	Type	[mm]
34966	5	FF	5, 6, 7, 8



VIDEO



SIHGA® TIP:

Note design recommendations on page 18-19.

JustiFix® JV

SIHGA® - Feature

YOUR- Benefit

the fleece under the terrace

hinders plant growth and is water-permeable

1.6 x 10 metres surface area

16 square metres easy to lay

made from polypropylene, monitored in a special recipe

remains permanently shape-stable, heat, frost and UV resistant

SIHGA® Guarantee up to 23 years

product security, also in the future, no guarantee repairs

SIHGA® montagepack		Dimensions JustiFix® JV	Grammage	Measurement	
Art. No.	PU	Type	[g/m ²]	Diameter x Length [m]	Area [m ²]
34956	1	JV 16	50	1,6 x 10	16



VIDEO



JustiFix[®] J

SIHGA[®] - Feature

waterproof space between substructure and foundation

made from high-quality, black EPDM special rubber

made in Austria

minimises vibrations

is just placed down, three material thicknesses to choose from

includes Systemstift[®] and installation instructions

calculation values

SIHGA[®] Guarantee up to 23 years

YOUR- Benefit

as a result of this adjustable foot, the substructure remains dry and the terrace is ventilated

remains permanently shape-stable, heat, frost and UV resistant

local quality and added-value

increases walking comfort on the terrace

time-saving, no installation work, can be stacked as desired

is time-saving and practically enclosed

simply select material thickness

product security, also in the future, no guarantee repairs

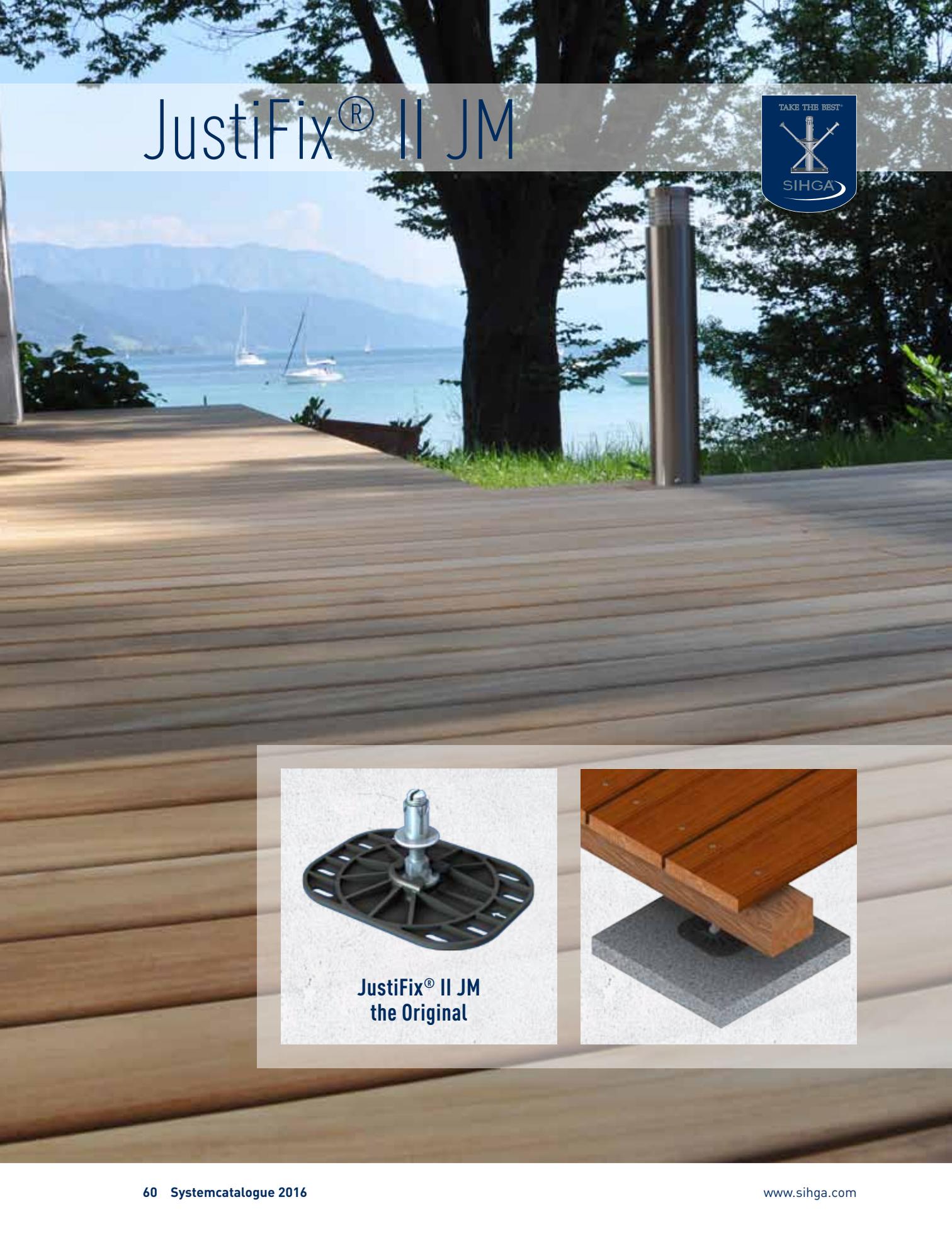
SIHGA [®] montagepack		Dimensions JustiFix [®] J	Measurement L x B x H
Art. No.	PU	Type	[mm]
41206	90	J 3 H	80 x 40 x 3
41216	60	J 5 H	80 x 40 x 5
41226	30	J 10 H	80 x 40 x 10



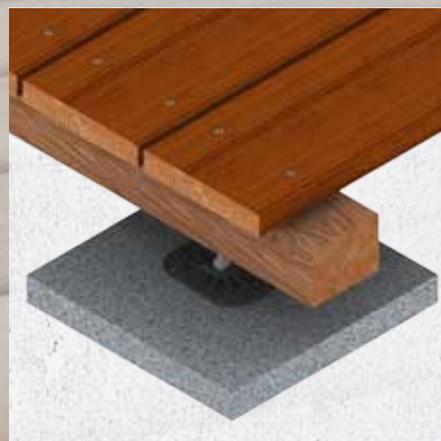
VIDEO



JustiFix® II JM



JustiFix® II JM
the Original



SIHGA® - Feature

height-adjustable distance from 25 to 80 mm between substructure and foundation

made, developed and patented in Austria

for solid foundations or on insulation, from a pressure strength of 0.05 N/mm² (50 kPa)

SC 1® coated with polyethylene base plate

articulated mounting of the base plate

minimises vibrations

SIHGA® Guarantee up to 23 years

includes Systemstift® and installation instructions

load capacity per piece 1.20 kN

upper nut of the JustiFix® JM merely has to be hammered into the substructure

slotted platform in the header and nuts in the footer

YOUR - Benefit

this adjustable foot saves up to 50 % working time compared to individual solutions, the substructure remains dry and the terrace breathes

local quality, experience from more than 13 years of building terraces included

varied uses, only three models for the entire range

corrosion-protected, remains permanently shape-stable, heat, frost and UV resistant

compensates for floor unevenness

increases walking comfort on the terrace

product security, also in the future, no guarantee repairs

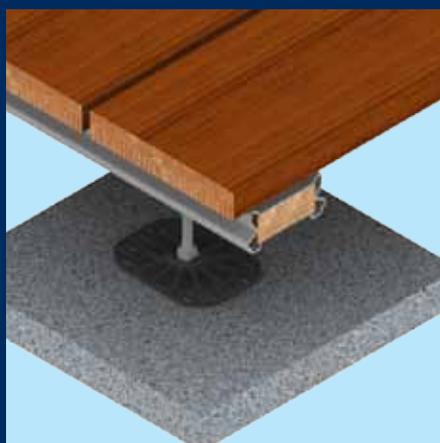
Is time-saving and practically enclosed

4 per m², for example with 600 mm distance from the terrace footing are sufficient

easy and cost-saving

easy height adjustment from above with screwdriver or with open-end spanner SW 10 from below

SIHGA® montagepack		Dimensions JustiFix® JM	Plank thickness [mm]		Dimensions/Base plate [mm]	
Art. No.	PU	Type	from	to	L	W
40846	40	JM 40	25	40	100	74
40866	40	JM 60	25	60	100	74
40886	40	JM 80	25	80	100	74



VIDEO



JustiFix® II JK 50 H



JustiFix® II JK 50 H
made from Polypropylen

SIHGA® - Feature

YOUR- Benefit

height-adjustable distance between substructure made from wood and any foundation

this adjustable foot saves up to 50 % working time compared to individual solutions, the substructure remains dry and the terrace breathes

made in Austria

local quality and added-value

upper for wood substructure

varied uses, the wood substructure is simply fastened to the side of the upper

30 to 50 mm height adjustment

only ONE model for the entire range

integrated level equaliser

evens out slopes of up to 3 %

made from polypropylene, monitored in a special recipe

remains permanently shape-stable, heat, frost and UV resistant

base plate with diameter 210 mm and rounded edge

large supporting surface, also for soft subsoil, rounded standing areas to protect the underlying films

load capacity per piece 6.0 kN

3 per sq.m., for example with 700 mm distance from the terrace footing are sufficient

Including installation instructions

is time-saving and practically enclosed

SIHGA® Guarantee up to 23 years

product security, also in the future, no guarantee repairs

SIHGA® montagepack		Dimensions JustiFix® JK	Adjustment range [mm]		Diameter [mm]
Art. No.	PU	Type	from	to	∅
33326	5	JK 50 H	30	50	210



VIDEO



SIHGA® TIP:

Note design recommendations on page 18-19.

JustiFix[®] II JK 50 S

SIHGA[®] - Feature

YOUR- Benefit

special upper section for stone bases with joint distance 4 mm

this adjustable foot is the height-adjustable spacer between terrace stone bases with joint distance on any foundation up to 50 mm

made in Austria

local quality and added-value

integrated level equaliser

evens out slopes of up to 3 %

spacer ribs with integrated predetermined breaking point

for all panel formats, even cornering profiles and edge connectors are solved easily and time-saving

SIHGA[®] Guarantee up to 23 years

Product security, also in the future, no guarantee repairs

JustiFix[®] II JK 50 SF

SIHGA[®] - Feature

YOUR- Benefit

specific upper section for fastening the SymbioFix[®] substructure rails

SymbioFix[®] simply snaps on to this height-adjustable foot and is therefore absolutely installation-stable

made in Austria

local quality and added-value

integrated level equaliser

evens out slopes of up to 3 %

SIHGA[®] Guarantee up to 23 years

Product security, also in the future, no guarantee repairs



VIDEO



JustiFix[®] II JK 50 S



JustiFix[®] II JK 50 SF

JustiFix® II JK 90 H

JustiFix® II JM

JustiFix® II JK 50H

JustiFix® II JK 90 H

JustiFix® JA

JustiFix® II JK 90 S/F



JustiFix® II JK 90 H
made from Polypropylen



VIDEO



SIHGA® - Feature

YOUR- Benefit

height-adjustable distance between substructure and any foundation	this adjustable foot saves up to 70 % working time compared to individual solutions, the substructure remains dry and the terrace breathes
made in Austria	local quality and added-value
one model for three applications	see also catalogue page 63, 66, 67
upper for wood substructure	varied uses, the wood substructure is simply fastened to the side of the upper
50 to 510 mm height adjustment	only ONE model for entire range, variable with adapter JA 35
integrated level equaliser	evens out slopes of up to 3 %
made from polypropylene, monitored in a special recipe	remains permanently shape-stable, heat, frost and UV resistant
base plate with diameter 210 mm and rounded edge	large supporting surface, also for soft subsoil, rounded standing areas to protect the underlying films
load capacity per piece 6.0 kN	on solid and non-solid subsoil; 3 per sq.m., for example with 700 mm distance from the terrace footing are sufficient
calculation values	simply select model
including installation instructions	is time-saving and practically enclosed
SIHGA® Guarantee up to 23 years	product security, also in the future, no guarantee repairs

SIHGA® montagepack		Dimensions JustiFix® JK	Adjustment range [mm]		Diameter [mm]
Art. No.	PU	Type	from	to	∅
33326	5	JK 90 H	50	90	210



SIHGA® TIP:

Note design recommendations on page 18-19.

JustiFix® JA

SIHGA® - Feature

height expansion for JustiFix® II JK by 35 mm

made in Austria

one model, stackable as desired

made from polypropylene, monitored in a special recipe

YOUR- Benefit

the optimal addition to the adjustable foot JustiFix® JA is simply inserted; this increases the height adjustment between substructure and foundation by up to 510 mm

local quality and added-value

can be used for all JustiFix® II JK

remains permanently shape-stable, heat, frost and UV resistant

JustiFix® II JK 90 H/S/SF	+	Adapter JA 35 Quantity	Adjustment range [mm]	
			from	to
JK 90 H/S/SF	+	1 x JA 35	85	125
JK 90 H/S/SF	+	2 x JA 35	120	160
JK 90 H/S/SF	+	3 x JA 35	155	195
JK 90 H/S/SF	+	4 x JA 35	190	230
JK 90 H/S/SF	+	5 x JA 35	225	265
JK 90 H/S/SF	+	6 x JA 35	260	300
JK 90 H/S/SF	+	7 x JA 35	295	335
JK 90 H/S/SF	+	8 x JA 35	330	370
JK 90 H/S/SF	+	9 x JA 35	365	405
JK 90 H/S/SF	+	10 x JA 35	400	440
JK 90 H/S/SF	+	11 x JA 35	435	475
JK 90 H/S/SF	+	12 x JA 35	470	510

SIHGA® montagepack		Dimensions JustiFix® JA	Adjustment range [mm]	
Art. No.	PU	Type	from	to
33386	5	JA 35	35	



JustiFix[®] II JK 90 S

SIHGA[®] - Feature

YOUR- Benefit

special upper section for stone bases with joint distance 4 mm	this adjustable foot is the height-adjustable spacer between terrace stone bases with joint distance on any foundation up to 510 mm.
made in Austria	local quality and added-value
one model for three applications	see also catalogue page 63, 67
integrated level equaliser	evens out slopes of up to 3 %
spacer ribs with integrated predetermined breaking point	for all panel formats, even cornering profiles and edge connectors are solved easily and time-saving
including installation instructions	is time-saving and practically enclosed
SIHGA [®] Guarantee up to 23 years	product security, also in the future, no guarantee repairs

SIHGA [®] montagepack		Dimensions JustiFix [®] JK	Adjustment range [mm]		Diameter [mm]
Art. No.	PU	Type	from	to	∅
33426	5	II JK 90 S	50	90	210



VIDEO



JustiFix® II JK 90 SF

SIHGA - Feature

YOUR- Benefit

specific upper section for fastening the SymbioFix® substructure rails

SymbioFix® simply snaps on to this height-adjustable foot and is therefore absolutely installation-stable

made in Austria

local quality and added-value

one model for three applications

see also catalogue page 63, 66

integrated level equaliser

evens out slopes of up to 3 %

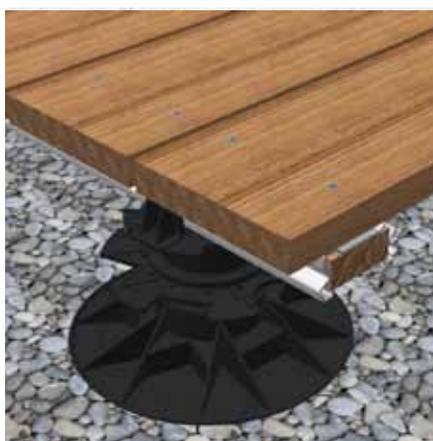
including installation instructions

is time-saving and practically enclosed

SIHGA® Guarantee up to 23 years

product security, also in the future, no guarantee repairs

SIHGA® montagepack		Dimensions JustiFix® JK	Adjustment range [mm]		Diameter [mm]
Art. No.	PU	Type	from	to	∅
33426	5	II JK 90 S	50	90	210



VIDEO



SymbioFix® SFT



SymbioFix® SFT
made from aluminium



SIHGA® - Feature

YOUR- Benefit

the substructure rails in terrace construction made from aluminium with thermo-wood core

saves 50 % of the time and the counter-batten construction, the thermo-wood core holds the fastening screws permanently, which is not available in aluminium

made, developed and patented in Austria

local quality, experience from more than 13 years of building terraces included

usable for all wood types

limited storage work as universally usable

Easy handling as a result of length 1100 mm and low weight, construction height total 35 mm, endless connection

time-saving, low construction height, endlessly connectible without adapters, increases the lifespan of the terrace

load transfer through aluminium rails

high load-bearing capacity and no substructure warping, support is required in the outed-edge area.

simply click onto the JustiFix® II JK 50/90 SF adjustable feet

the ideal combination, the transversal joint is also placed on it, adjustable foot, see page 62, 67; this saves adjustable feet and gives a costs-benefit

constructive wood protection integrated

SymbioFix® profile has a 5 mm distance from the top to the plank, this results in good ventilation and longevity for the terrace

for visible and invisible plank screw connections

universally usable, large time-saving, visible plank screw connections with L-BohrFix® MB (page 42) and invisible screw connections with DielenFix® (page 28)

ventilation channels and jet effect

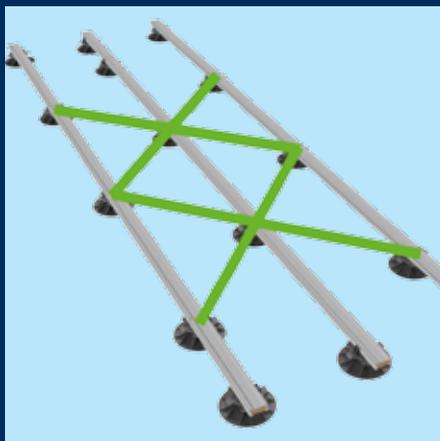
ensure optimal moisture removal

including installation instructions

is time-saving and practically enclosed

laying recommendation

for optimal load distribution



VIDEO



SIHGA® TIP:

If visible system screws are used, the planks should be predrilled with SymbioFix® Bohrer SFB Ø 6 mm.

KompeFix® II KF



**KompeFix® II KF made from
Polyvinylchlorid**

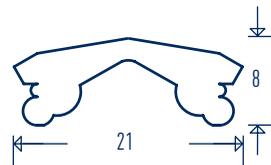


SIHGA® - Feature

YOUR- Benefit

universal, constructive wood protection for terraces and façades with height 8 mm and width 21 mm	creates distance between the woods, thereby allowing them to breath and increasing the lifespan
made, developed and patented in Austria	local quality, experience from more than 13 years of building terraces included
the 4.5 metre role is simply rolled out	fast and easy, can be fixed as desired (screwable) and cut to length
patented, helps to seal the screw	increases the life of the construction
the preload effect integrated through the specific shape compensates for the swelling and shrinkage of the timber	enhances the walking comfort on the terrace and the look of the façade
made from polyvinyl chloride, monitored in a special recipe	remains permanently shape-stable, heat, frost and UV resistant
calculation values	calculated per sq.m. 1 : Substructure distance in m : 4.5 m
including installation instructions	is time-saving and practically enclosed
SIHGA® Guarantee up to 23 years	product security, also in the future, no guarantee repairs

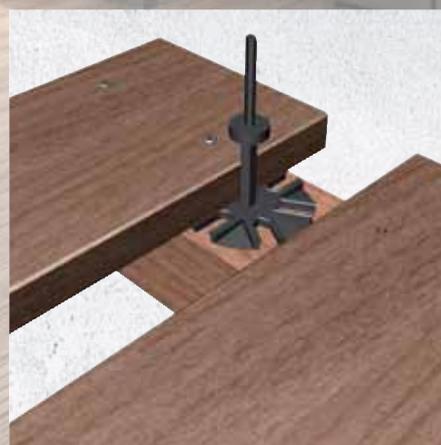
SIHGA®		Dimensions		Measurement		
montagepack		KompeFix®		[mm]		
Art. No.	PU	Type	Width	Height	Length	
41006	8 x 4,5 m	KF	21	8	4500	



VIDEO



TerrassenFix® II TF



SIHGA® - Feature

YOUR- Benefit

universal constructive wood protection for terraces	creates distance between the woods, thereby allowing them to breath and increasing the lifespan
made, developed and patented in Austria	local quality, experience from more than 13 years of building terraces included
TerrassenFix® with Ø 70 mm is only placed on the substructure	saves time, no installation work
joint setting for 4, 5, 6, 7, 8, 9 mm wide joints without residue in the joint	joint widths can be adjusted quickly as a result; time-saving, practical, precise, all accessories enclosed
including TerrassenFix® rods TFS and installation instructions	TerrassenFixstifte cannot fall into the joints
TerrassenFix® rods TFS are removed entirely using a handle, can be reused after screw-connecting the planks	nothing blocks the planks during their swell and shrinkage behaviour
made from polyethylene monitored	remains permanently shape-stable, heat, frost and UV resistant
SIHGA® Guarantee up to 23 years	product security, also in the future
calculation value	requirement calculated in items per m ² : 1 m ² : Substructure distance in m : (width of terrace planks + joint in m)

SIHGA®		Dimensions	Average Quantity*
montagepack		TerrassenFix® II	m ²
Art. No.	PU	Type	pcs.
40506	100	TF	14

*Assumption: plank width equals 140 mm.



VIDEO



SIHGA® TIP:

The joint space should not be less than 7 mm or 6 % of the plank width.

TerrassenFix[®] II Set TFL

SIHGA[®] - Feature

YOUR- Benefit

patented constructive wood protection as a SET with L-GoFix[®] screws for terraces

the practical set for visible terrace plank fastening with very long lifespan

L-GoFix[®] made from hardened rust-free stainless steel

fastens without rusting, also in acidic woods and is extremely break-proof

includes SIHGAFIX[®] rust-free, TerrassenFix[®] rods, Systemstift[®] and installation instructions

Time-saving, practical, precise, all accessories enclosed, SIHGAFIX[®] rust-free prevented rust from external sources and also screws into deep grooves

SIHGA[®] Guarantee up to 23 years

product security, also in the future

calculation values

SIHGA[®] performs the calculation for you, just read the plank thicknesses

SIHGA [®] montagepack		Dimensions TerrassenFix [®] II	Plank Thickness	Set screw L-GoFix [®] MS	Sufficient for approx.
Art. No.	PU	Type	[mm]	d, x L	[m ²]
40526	100	TFL 60	20	5,0 x 60	7,5
40546	100	TFL 70	24	5,0 x 70	7,5
40566	100	TFL 80	28	5,0 x 80	7,5
40576	100	TFL 90	32	5,0 x 90	7,5



SIHGA[®] TIP:

The joint distance should not be less than 6 % of the plank width, note design recommendations on page 18-19.

TerrassenFix®[®]

Depth Limiter TTB

SIHGA® - Feature

specific slip-coupling

rotatable contact slide ring on the end

extends the life of the terrace

suitable for all SIHGAFIX® sizes

YOUR- Benefit

prevents screws penetrating too deeply into the terrace planks, they are all automatically screwed flush, saves lots of working time and results in beautiful, consistent surfaces

prevents ugly contact traces on the terrace surface

here are holes above the screw heads in the terrace planks, in which water and dirt accumulate

can be used with every SIHGAFIX®

SIHGA®		Type
montagepack		Depth Limiter
Art. No.	PU	Type
34992	1	TTB



VIDEO



SIHGA® TIP:

Note design recommendations on page 18-19.

TerrassenFix[®] Template TFS

SIHGA[®] - Feature

predrilling and counter sinking of the terrace planks without measuring and marking

made, developed and patented in Austria

for terrace planks from 70 - 205 mm wide

made entirely of anodised aluminium

automatically suitable guide for TerrassenFix[®] counter sinker

side wood distance adjustable via stops

constructive wood protection is considered

inspection opening for advance screw connections

including installation instructions

YOUR- Benefit

saves 50 % of working time and creates a beautiful, consistently screwed surface

local quality, experience from more than 13 years of building terraces included

universally usable in terrace construction

for a long life of the template in construction use

each drilling is performed in a he precise and consistent position

15, 20, 25 mm side wood distances can be easily selected

a distance of 50 mm is automatically added to the end-grain

for rational, fast working

is time-saving and practically enclosed

SIHGA [®]		Dimensions	Plank width
montagepack		TerassenFix [®]	min-max
Art. No.	PU	Type	[mm]
34946	1	TFS	70-205



VIDEO



SIHGA[®] TIP:

Note design recommendations on page 18-19 and use TerrassenFix[®] Countersinks.

TerrassenFix®[®] Countersinks TFB/ES II

SIHGA® - Feature

YOUR- Benefit

predrilling and counter sinking in one step	saves at least 50 % working time
made, developed and patented in Austria	local quality, experience from more than 13 years of building terraces included
drill and counter sinker are made from hardened stainless steel	prevents corrosion/rust from external sources on the terrace, also in the case of any abrasion of the drill
integrated depth stop	gives a consistent finish to the sinking, prevents sink holes and thus damp patches
for SIHGA® stainless steel screws L-GoFix® MS and L-BohrFix® MB with Ø 5 mm	the precise match for these screws creates a consistent surface
stop ribs on the end	prevent ugly contact traces on the terrace surface
with a second change ring and re-closable system packaging	extends the life of the counter sinker, protects against damage
drill depth including sinker 25 mm	the geometry optimally transports the drill dust out, Ø 5 mm

SIHGA®		TerrassenFix®	Drill hole	Drill hole depth
minimontagepack	PU	Countersinks	Diameter	Incl. sink
Art. No.	PU	Type	[mm]	
34982	1	TFB/ES II	5,0	25



VIDEO



TerrassenFix[®] Clamp II TFZ

SIHGA[®] - Feature

range 260 - 780 mm

material thickness of the front section only 4 mm

wide clamp jaws

close and open the clamp with one handle

easy, quick adjustment and fine adjustment of the clamping width

including installation instructions

YOUR- Benefit

time-saving, practical, precise for terrace construction, for plank widths 90 mm or also can be used universally; is required for installation of SenoFix[®]

easy to use for all terrace joints and when working close to walls

no pressure points on the plank edge

the clamping together of the planks and the opening of the clamps are performed by turning the handle

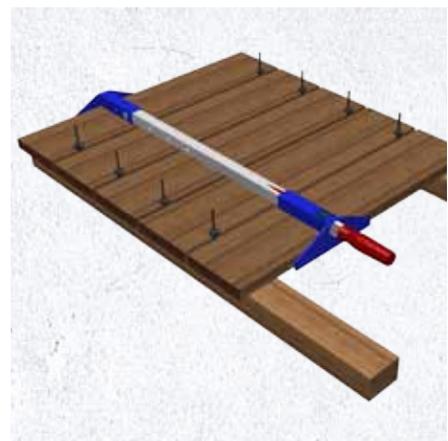
quick adjustment from the front with a magnetic rod, fine adjustment using a rotating handle, for rational application

is time-saving and practically enclosed

SIHGA [®] montagepack		Dimensions TerrassenFix [®]	Clamp distance [mm]	
Art. No.	PU	Type	from	to
34976	1	Clamp II TFZ	260	780



VIDEO



SIHGA[®] TIP:

Note design recommendations on page 18-19.

FugiFix® FFZ

SIHGA® - Feature

accessories for TerrassenFix® clamp II TFZ

joint distance either 6, 8, 10 mm

wide supporting surface

is placed directly on TerrassenFix® clamp II TFZ

YOUR- Benefit

saves lots of time and ensures a consistent joint appearance

just place desired width on the TerrassenFix® clamp, the conical form ensures easy removal after use

prevents pressing into the timber.

cannot fall into the joint

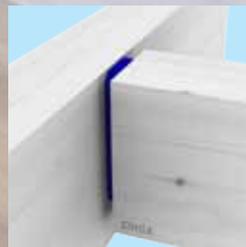
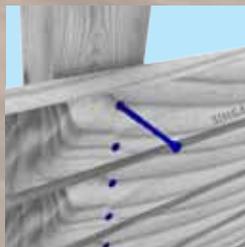
SIHGA® montagepack		FugiFix® FFZ	Joint width FB
Art. No.	PU	Type	[mm]
40646	5	6	6
40666	5	8	8
40686	5	10	10



SIHGA® TIP:

The joint space should not be less than 7 mm or 6 % of the plank width.

Wood / Water Construction

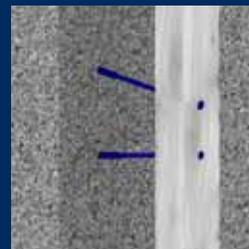
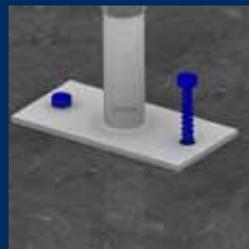
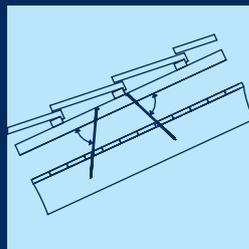
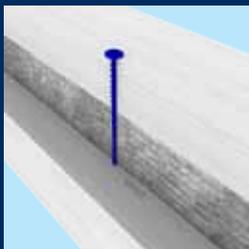


System screws

GoFix® MS II	88
GoFix® XB	96
GoFix® SB	103
GoFix® XS	106
L-BohrFix® MB	42

System connectors

IdeFix® IF	130
IdeFix® IFS	136
HobaFix® HF	138
HobaFix® HFM	141
WabaFix® WF	142
Stabilix® C/H	144
Stegsan® RV/BA	148



Insulation

GoFix® TS	94
GoFix® MS II	88
GoFix® XB	96
GoFix® SB	103

Wood to concrete/metal/brick

Hobet®	86
IdeFix® STF	118
ZaFix® STZ	123
Edstahl®	128
BeziFix® Anchor BF/BS/BSS	114

Load handling device

Pick	82
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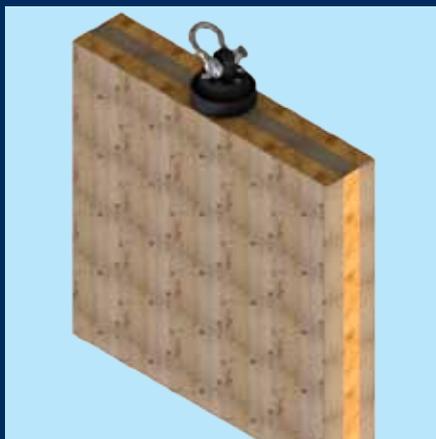
Pick



SIHGA® - Feature

YOUR - Benefit

load attachment for lifting glue laminate timber, glued cross laminate timber and solid timber	capacity up to 1250 kg per fastening point
made, developed and patented in Austria from high-quality steel	local quality and reliability; robust Q&T steel for permanence
lift by drilling a blind hole (Ø 50 mm, depth 70 mm)	visible quality of the surfaces is not damaged, no fastening screws needed
Pick drill can be combined with the IdeFix® drill gauge IBL	easy, safe adherence to the drilling depth
easy, safe attachment, quality made in Austria	attached with a few actions, the attachment does not have to be aligned
varied application	on the back (for panel thickness above 90 mm), side and transom-side for supports of all kinds
maintenance-free	annual test together with personal safety equipment according to Occupational Health and Safety Directive possible
made from high quality steel	Q&T steel for permanent, robust
long life	20 000 load cycles
tested safety – accompanied by TÜV	prevention of safety risks, varied areas of use and ambient conditions tested

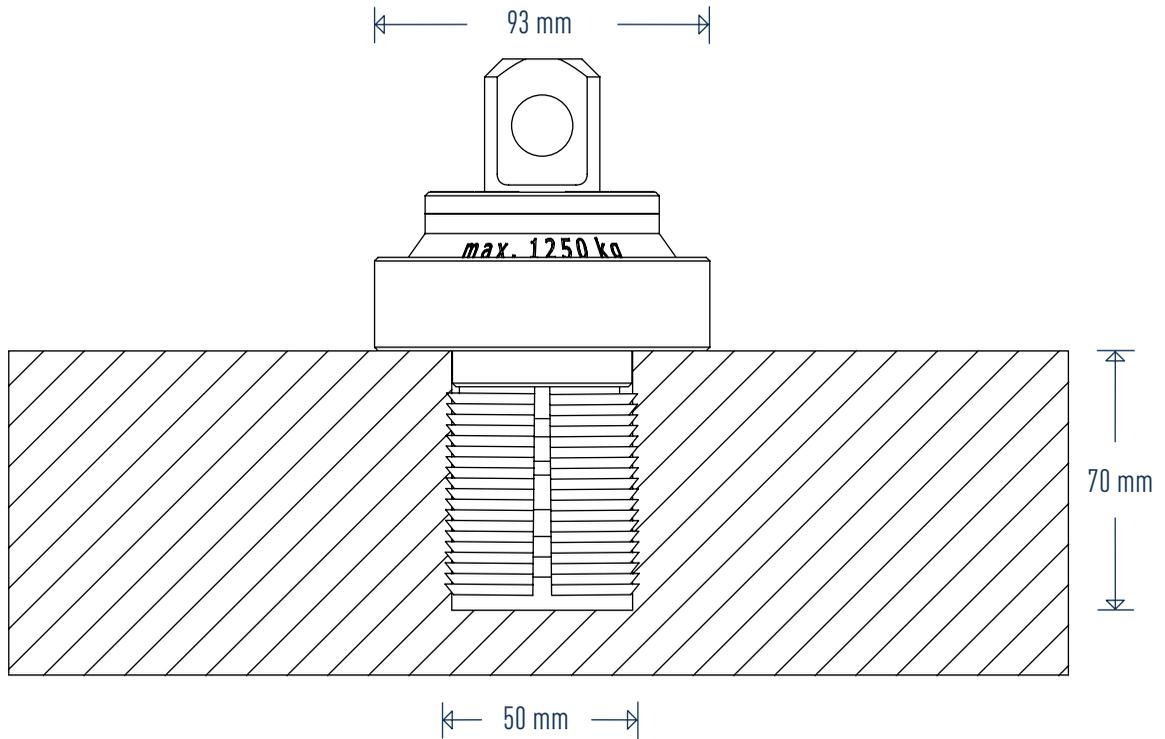


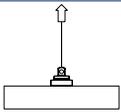
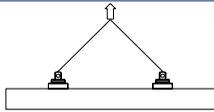
VIDEO

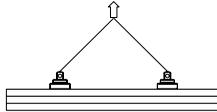
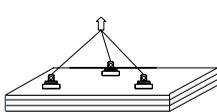


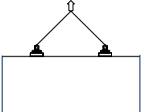
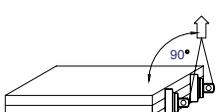
SIHGA® TIP:

Note the operating instructions provided for payloads, edge distances and load angles.



Pick Load Table				
Beam	Beam dimension		 1 Attachment point 0°*	 2 Attachment points 45°
	min. height	min. width		
BSH	200	140	1.250	1.370
KVH e.g. Framed wall	60	140	-	1.370

glued Ceiling panels CLT	Panel dimensions		 2 Attachment points 45°	 3-4 Attachment points 45°
	min. thickness	min. length and width		
	90	1.000	1.620	2.420

glued Wall panels CLT	Panel dimensions		 2 Attachment points 45°	 2 Attachment points 90°
	min. thickness	min. length and width		
	90	1.000	1.160	520 (Panel weight / 2)

*Highly resinous timber like pine and larch or walls, mounted at the front side, may only be lifted at an angle of 45° to the borehole axis and with 2 attachment points.

The minimum distance to the surface layer while fastening plates at the front face is min. 2 cm.

The minimum distance between each attachment point equals 50 cm.

The minimum distance between attachment points and beam and plate edge may not be smaller than 25 cm.

Pick Systemkoffer

SIHGA® - Feature

two Picks and Pick shackle, Pick drill and operating instructions are supplied in the Systemkoffer®

including place holder for IdeFix® drill gauge IBL and third Pick

operating instructions stored in the lid

YOUR- Benefit

dry, clean and secure storage

all accessories are practically and portably combined in one Systemkoffer®, expandable for three lifting points,

load values and safety conditions always to hand



Hobet®

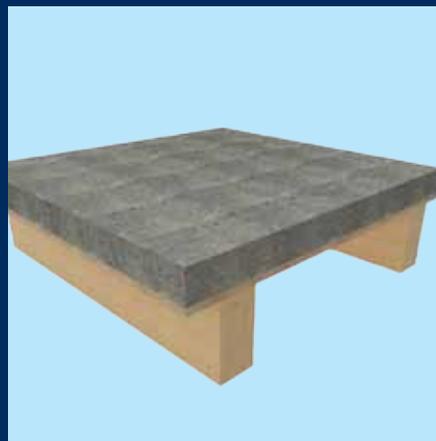
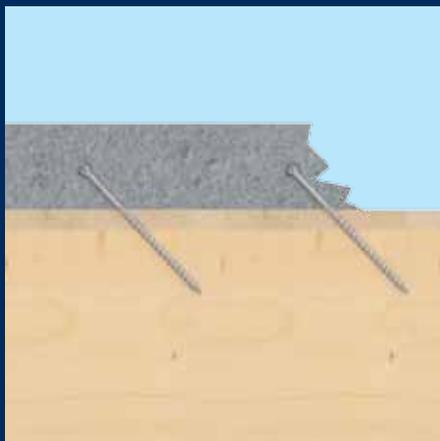


SIHGA® - Feature

YOUR- Benefit

made in Austria	Local quality with local added-value
high-load bearing wood-concrete connection screw	Connects wooden beams or panels and top concrete layer to optimise the strength with limited structural height
diverse areas of application	Old building renovation (strengthening wooden beam ceilings = economical and cost-effective), building extension (load-distributing ceilings for attics), new buildings (high-load bearing wood-concrete compound structures)
optimised compared to simple wooden ceilings	Greater strength and rigidity, fire protection, better vibration behaviour, noise protection, heat protection
optimised compared to purely concrete ceilings	Better eco-balance; low inherent weight; degradable
Hobet® thread	Fast screw connection; low tightening torque; minimises splitting effect
Hobet® bit	Processing-friendly; rapid attachment, especially at 45° screw angle, time-saving
German technical approval requested	trustworthy, externally monitored values provide certainty regarding the processing and rule out quality fluctuations
Online calculation	www.sihga.com

SIHGA®		Dimensions	Characteristic value of the shear strength for a 45° screw connection	
objektpack		Hobet®		max.
Art. No.	PU	d ₁ x L		[kN]
30879	400	8,0 x 155		
30889	400	8,0 x 205		10,0



VIDEO



SIHGA® TIP:

For the calculation, we recommend taking into account the requirements in respect of vibration and fire protection.

GoFix[®] MS II

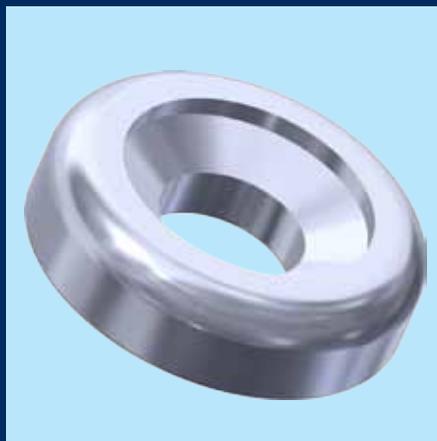


GoFix[®] MS II

SIHGA® - Feature

YOUR- Benefit

made in Austria	local quality with local added-value
fastens wood to wood up to 500 mm, even OSB	screw without pre-drilling and pre-sinking
fastens pressure-resistant insulation materials for rafter insulation	Also for insulation with a compressive stress above 50 kPa
the splitting effect in the wood is reduced through the special multistage head	saves 50 % of the storage, combines counter-sunk head and flat-head; transfers high forces, but can still be counter sunk and facilitates screw connections close to the edge
SC 3® / SC 7® coating	significantly increased corrosion protection, paintable and even suitable for applications in corrosivity category C4-long or C5-medium
special milling ribs on shaft and slip coating	pre-drilling effect, easy rotation, battery-saving
SIHGA® screw bit	fast attachment of the screw, processing-friendly and time-saving
includes SIHGAFIX®, Systemstift® and installation instructions	time-saving, practical, precise, all accessories enclosed; SIHGAFIX® also screws into deep grooves
SIHGA® MSZ washer for diameter 8 mm	this ornamental washer MSZ increases the tensile force of the head to 9 kN; optically very beautiful and high tensile force
positive assessment for processing with hammer screwdrivers	saves time and provides safety, also when working above the head
ETA European Technical Approval with external monitoring issued	trustworthy, externally monitored values provide certainty regarding the processing and rule out quality fluctuations



VIDEO



SIHGA® TIP:

For perfect screw image, tighten head flush to surface.

SIHGA® - Feature

YOUR- Benefit

SC 7® coating

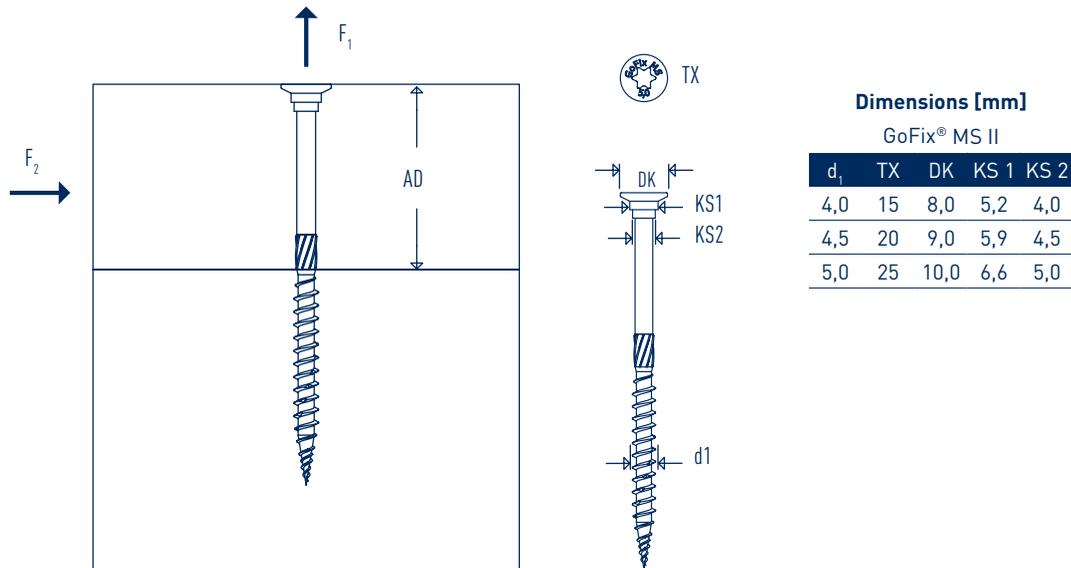
increased corrosion prevention

calculation values

SIHGA® performs the calculation for you, just read the attachment thickness

ETA European Technical Approval with external monitoring issued

trustworthy, externally monitored values provide certainty regarding the processing and rule out quality fluctuations



Dimensions [mm]

GoFix® MS II

d ₁	TX	DK	KS 1	KS 2
4,0	15	8,0	5,2	4,0
4,5	20	9,0	5,9	4,5
5,0	25	10,0	6,6	5,0

SIHGA®		Dimensions	Installation part	Characteristic values			
montagepack		GoFix® MS II	AD	Tension load F_1 [kN]		Shear load F_2 [kN]	
Art. No.	PU	d ₁ x L	[mm]	Head	Thread	Wood-Wood	Steel-Wood
44056	500	4,0 x 30	12	1,09	1,07	0,82	1,07
44066	500	4,0 x 35	14	1,09	1,24	0,85	1,18
44076	500	4,0 x 40	16	1,09	1,42	0,89	1,29
44086	500	4,0 x 45	18	1,09	4,60	0,92	1,41
44096	500	4,0 x 50	20	1,09	1,78	0,96	1,53
44106	500	4,0 x 60	24	1,09	2,13	1,04	1,67
44226	400	4,5 x 50	20	1,43	1,86	1,17	1,71
44236	400	4,5 x 60	24	1,43	2,24	1,25	1,97
44246	300	4,5 x 70	28	1,43	2,61	1,34	2,11
44316	200	5,0 x 50	20	1,46	2,04	1,29	1,91
44326	200	5,0 x 60	24	1,46	2,45	1,37	2,18
44336	200	5,0 x 70	28	1,46	2,86	1,46	2,46
44346	200	5,0 x 80	32	1,46	3,26	1,56	2,56
44356	200	5,0 x 90	36	1,46	3,67	1,60	2,66
44366	200	5,0 x 100	40	1,46	4,08	1,60	2,76
44376	200	5,0 x 120	50	1,46	4,76	1,60	2,93

Characteristic values for dimensioning according to EC 5 | Characteristic values for strength class pk 350 kg/m³

SIHGA® - Feature

SC 3® coating

calculation values

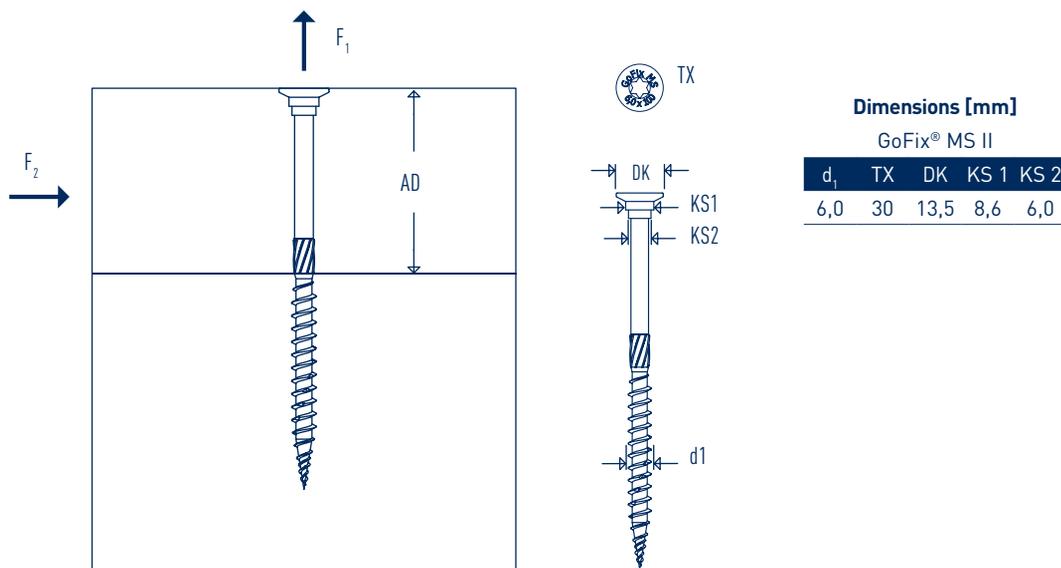
ETA European Technical Approval with external monitoring issued

YOUR- Benefit

increased corrosion prevention

SIHGA® performs the calculation for you, just read the attachment thickness

trustworthy, externally monitored values provide certainty regarding the processing and rule out quality fluctuations



Dimensions [mm]

GoFix® MS II

d_1	TX	DK	KS 1	KS 2
6,0	30	13,5	8,6	6,0

SIHGA®		Dimensions	Installation part	Characteristic values			
montagepack	PU	GoFix® MS II	AD	Tension load F_1 [kN]		Shear load F_2 [kN]	
Art. No.		$d_1 \times L$	[mm]	Head	Thread	Wood-Wood	Steel-Wood
44406	100	6,0 x 70	28	2,44	3,35	1,93	2,90
44416	100	6,0 x 80	32	2,44	3,83	2,03	3,23
44426	100	6,0 x 90	36	2,44	4,31	2,14	3,37
44436	100	6,0 x 100	40	2,44	4,79	2,24	3,49
44446	100	6,0 x 120	50	2,44	5,58	2,24	3,68
44456	100	6,0 x 140	70	2,44	5,58	2,24	3,68
44466	100	6,0 x 160	90	2,44	5,58	2,24	3,68
44476	100	6,0 x 180	110	2,44	5,58	2,24	3,68
44486	100	6,0 x 200	130	2,44	5,58	2,24	3,68

Characteristic values for dimensioning according to EC 5 | Characteristic values for strength class pk 350 kg/m³

SIHGA® - Feature

YOUR- Benefit

SC 3® coating

increased corrosion prevention

calculation values

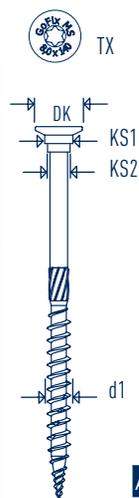
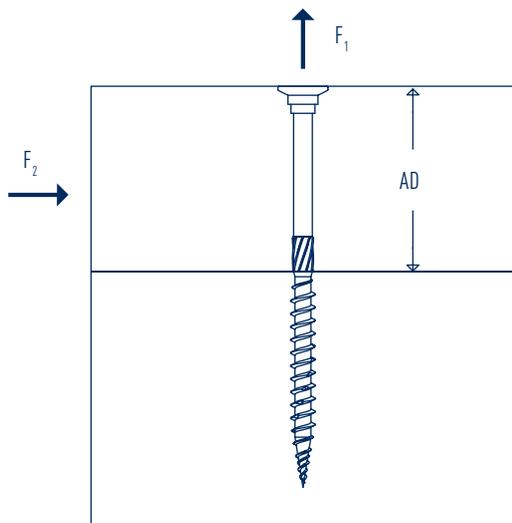
SIHGA® performs the calculation for you, just read the attachment thickness

online calculation values

www.sihga.com

ETA European Technical Approval with external monitoring issued

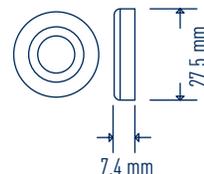
trustworthy, externally monitored values provide certainty regarding the processing and rule out quality fluctuations



Dimensions [mm]

GoFix® MS II

d ₁	TX	DK	KS 1	KS 2
8,0	40	18,3	11,6	8,0



SIHGA® montagepack		Dimensions Washer MSZ	Characteristic Values Tension load F ₁ [kN]
Art. No.	PU	d _{MSZ} [mm]	Washer MSZ
44696	75	27,5	9,1

SIHGA® montagepack		Dimensions GoFix® MS II	Installation part AD [mm]	Characteristic values			
Art. No.	PU	d ₁ x L	[mm]	Tension load F ₁ [kN]		Shear load F ₂ [kN]	
				Head	Thread	Wood-Wood	Steel-Wood
44506	75	8,0 x 80	30	4,18	4,38	3,93	6,07
44516	75	8,0 x 100	40	4,18	5,25	4,49	6,31
44526	75	8,0 x 120	50	4,18	6,13	4,54	6,52
44536	75	8,0 x 140	60	4,18	7,00	4,54	6,74
44546	75	8,0 x 160	70	4,18	7,88	4,54	6,95
44556	75	8,0 x 180	80	4,18	8,76	4,54	7,17
44566	75	8,0 x 200	100	4,18	8,76	4,54	7,17
44576	75	8,0 x 220	120	4,18	8,76	4,54	7,17
44586	75	8,0 x 240	140	4,18	8,76	4,54	7,17
44596	75	8,0 x 260	160	4,18	8,76	4,54	7,17
44606	75	8,0 x 280	180	4,18	8,76	4,54	7,17
44616	75	8,0 x 300	200	4,18	8,76	4,54	7,17
44626	75	8,0 x 320	220	4,18	8,76	4,54	7,17
44636	75	8,0 x 340	240	4,18	8,76	4,54	7,17
44646	75	8,0 x 360	260	4,18	8,76	4,54	7,17
44656	75	8,0 x 380	280	4,18	8,76	4,54	7,17
44666	75	8,0 x 400	300	4,18	8,76	4,54	7,17
44676	75	8,0 x 450	350	4,18	8,76	4,54	7,17
44686	75	8,0 x 500	400	4,18	8,76	4,54	7,17

Characteristic values for dimensioning according to EC 5 | Characteristic values for strength class pk 350 kg/m³

SIHGA® - Feature

YOUR- Benefit

SC 3® coating

increased corrosion prevention

calculation values

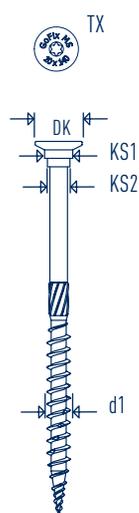
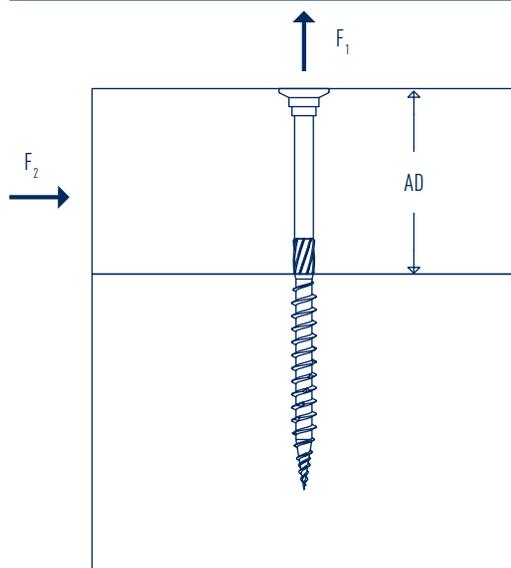
SIHGA® performs the calculation for you, just read the attachment thickness

online calculation values

www.sihga.com

ETA European Technical Approval with external monitoring issued

trustworthy, externally monitored values provide certainty regarding the processing and rule out quality fluctuations



Dimensions [mm]

GoFix® MS II

d ₁	TX	DK	KS 1	KS 2
10,0	50	22,5	14,4	10,0

SIHGA® montagepack		Dimensions GoFix® MS II	Installation part AD	Characteristic Values			
Art. No.	PU	d ₁ x L	[mm]	Tension load F ₁ [kN]		Shear load F ₂ [kN]	
				Head	Thread	Wood-Wood	Steel-Wood
44706	50	10,0 x 80	30	5,33	4,86	4,82	7,45
44716	50	10,0 x 100	40	5,33	5,83	5,57	8,14
44726	50	10,0 x 120	50	5,33	6,80	5,94	8,38
44736	50	10,0 x 140	60	5,33	7,77	5,94	8,62
44746	50	10,0 x 160	70	5,33	8,74	5,94	8,85
44756	50	10,0 x 180	80	5,33	9,72	5,94	9,09
44766	50	10,0 x 200	100	5,33	9,72	5,94	9,09
44776	50	10,0 x 220	120	5,33	9,72	5,94	9,09
44786	50	10,0 x 240	140	5,33	9,72	5,94	9,09
44796	50	10,0 x 260	160	5,33	9,72	5,94	9,09
44806	50	10,0 x 280	180	5,33	9,72	5,94	9,09
44816	50	10,0 x 300	200	5,33	9,72	5,94	9,09
44826	50	10,0 x 320	220	5,33	9,72	5,94	9,09
44836	50	10,0 x 340	240	5,33	9,72	5,94	9,09
44846	50	10,0 x 360	260	5,33	9,72	5,94	9,09
44856	50	10,0 x 400	300	5,33	9,72	5,94	9,09
44866	50	10,0 x 450	350	5,33	9,72	5,94	9,09
44876	50	10,0 x 500	400	5,33	9,72	5,94	9,09
44886	50	10,0 x 550	450	5,33	9,72	5,94	9,09
44896	50	10,0 x 600	500	5,33	9,72	5,94	9,09

Characteristic values for dimensioning according to EC 5 | Characteristic values for strength class pk 350 kg/m³

GoFix[®] TS



GoFix[®] TS with special
SC 3[®] coating

SIHGA® - Feature

YOUR- Benefit

fastens soft insulation materials for rafter insulation

also for insulation material with a compressive stress below 50 kPa; no pressure on the insulation

SC 3® coating

significantly increased corrosion protection, even suitable for applications in corrosivity category C4-long or C5

includes SIHGAFIX®, Systemstift® and installation instructions

time-saving, practical, precise, complete accessories enclosed

ETA European Technical Approval with external monitoring issued

trustworthy, externally monitored values provide certainty regarding the processing and rule out quality fluctuations

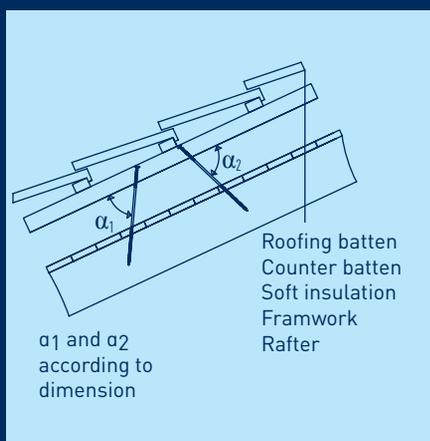
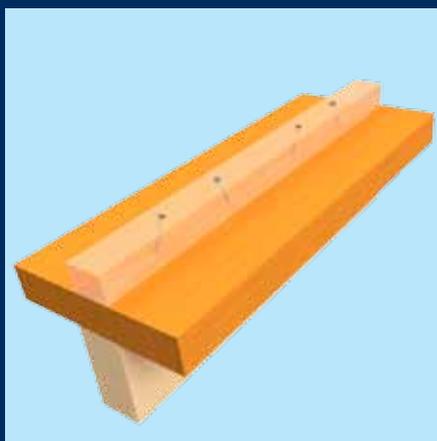
calculation values

SIHGA® performs the calculation for you, just read the insulation thickness

online calculation values

www.sihga.com

SIHGA® montagepack		Dimensions GoFix® TS	Insulation material Thickness [mm]	
Art. No.	PU	d ¹ x L	from	to
26996	75	8,0 x 165	20	40
26706	75	8,0 x 195	40	60
26906	75	8,0 x 225	60	80
26916	75	8,0 x 235	80	100
26926	75	8,0 x 255	100	120
26936	75	8,0 x 275	120	140
26946	75	8,0 x 302	140	160
26956	75	8,0 x 335	160	180
26716	75	8,0 x 365	180	200
26966	75	8,0 x 397	200	240
26976	75	8,0 x 435	240	300



VIDEO

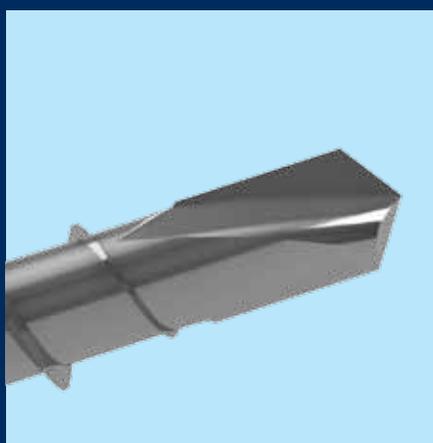
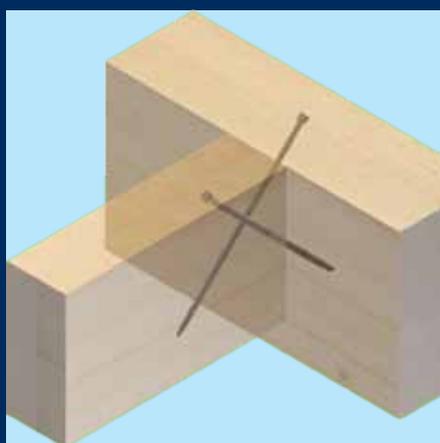


GoFix® XB



SIHGA® - Feature**YOUR- Benefit**

fastens blunt wood connections extremely quickly	transfers high tension, compressive and sheering forces
made from hardened carbon steel	the permanent, secure fastening
Correct drill bit	as a result, the screw connection is pre-drilled, small edge and axis distances; battery-saving
pre-drilling also permitted, for GoFix® Ø 6.5 mm with Ø 4 mm, for Ø 8.0 mm with Ø 6 mm, for Ø 10.0 mm with Ø 8 mm	for renovating old timber or hard timber
special head, stepless counter sinking	can be screwed in without splitting the wood
strengthens constructive wood construction	support reinforcement, anchor beam (combined bending girder), notches, transverse force reinforcements can therefore be produced quickly and individually
SC 4® coating	significantly higher corrosion protection, rules out the risk of hydrogen embrittlement, as with stand galvanisation
slip coating	for lightweight screw connections with low screw-in torque
ETA European Technical Approval with external monitoring issued	trustworthy, externally monitored values provide certainty regarding the processing and rule out quality fluctuations
includes SIHGAFIX®, Systemstift® and installation instructions	time-saving, practical, precise, all accessories enclosed, SIHGAFIX® also screws into deep grooves



VIDEO

**SIHGA® TIP:**

For precise and fast series production, we recommend the professional installation aid, (page 102).

SIHGA® - Feature

YOUR- Benefit

calculation values

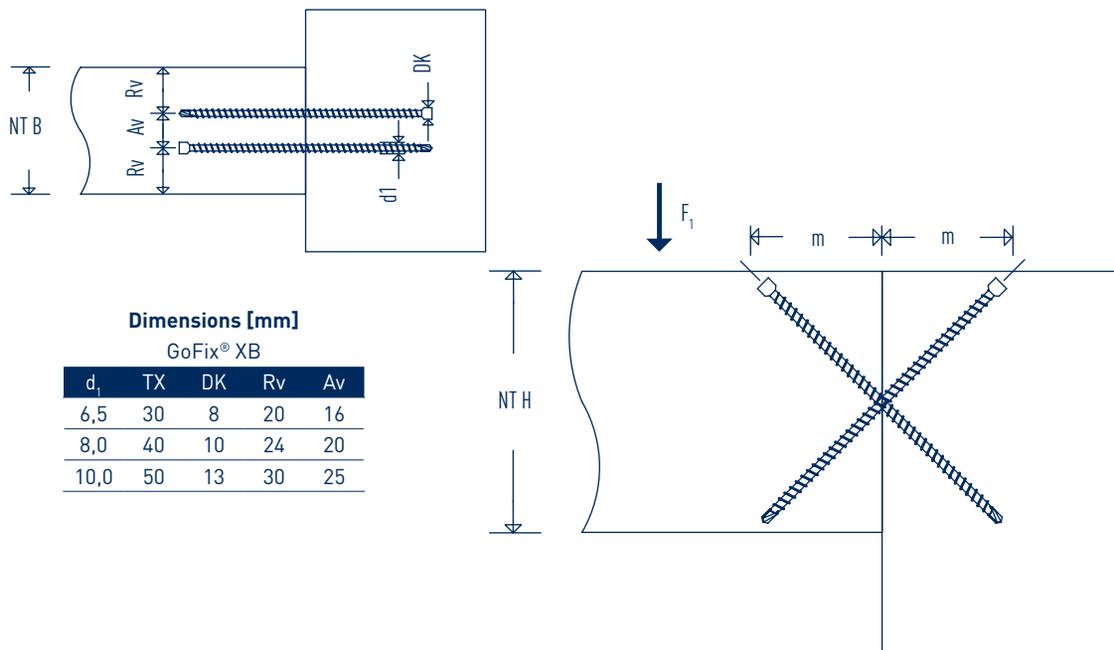
SIHGA® performs the calculation for you, just read the dimensions

includes SIHGAFIX®, Systemstift® and installation instructions

time-saving, practical, precise, all accessories enclosed, SIHGAFIX® also screws into deep grooves

online calculation values

www.sihga.com



Dimensions [mm]

GoFix® XB

d_1	TX	DK	R_v	Av
6,5	30	8	20	16
8,0	40	10	24	20
10,0	50	13	30	25

SIHGA®		Dimensions	Secondary beam Installation size		Characteristic values			
montagepack		GoFix® XB	Hight	m	Shear load F_1 - 1 Pair		Shear load F_2 - 2 Pair	
Art. No.	PU	$d_1 \times L$	[mm]	[mm]	Width [mm]	[kN]	Width [mm]	[kN]
24866	150	6,5 x 120	90	45	60	4,62	90	9,24
24876	150	6,5 x 140	100	50	60	5,38	90	10,76
24886	150	6,5 x 160	120	60	60	6,15	90	12,30
24896	150	6,5 x 195	140	70	60	7,50	90	15,00
24916	75	8,0 x 195	140	70	70	9,23	110	18,46
24926	75	8,0 x 220	160	80	70	10,41	110	20,82
24936	75	8,0 x 245	180	90	70	11,60	110	23,20
24946	75	8,0 x 295	220	110	70	13,96	110	27,92
24956	75	8,0 x 330	240	120	70	15,62	110	31,24
24966	75	8,0 x 375	270	135	70	17,75	110	35,50
24976	75	8,0 x 400	290	145	70	18,94	110	37,88
25006	50	10,0 x 300	220	110	85	17,95	135	35,90
25016	50	10,0 x 330	240	120	85	19,74	135	39,48
25026	50	10,0 x 360	260	130	85	21,54	135	43,08
25036	50	10,0 x 400	290	145	85	23,93	135	47,86
25046	50	10,0 x 450	320	160	85	26,92	135	53,84
25056	50	10,0 x 500	360	180	85	29,91	135	59,82
25066	50	10,0 x 550	400	200	85	32,91	135	65,82
25076	50	10,0 x 600	430	215	85	35,90	135	71,80

Characteristic values for dimensioning according to EC 5 | Characteristic values for strength class pk 350 kg/m³

SIHGA® - Feature

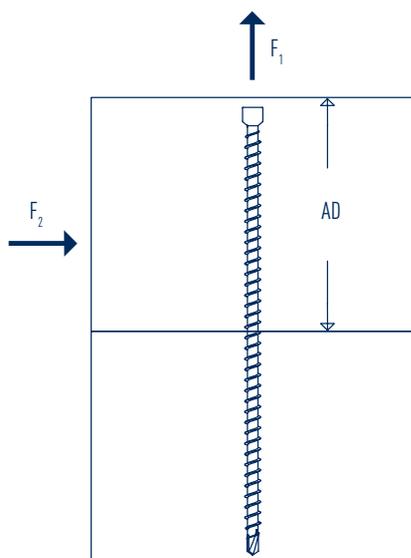
YOUR- Benefit

calculation values

SIHGA® performs the calculation for you, just read the dimensions

includes SIHGAFIX®, Systemstift® and installation instructions

time-saving, practical, precise, all accessories enclosed, SIHGAFIX® also screws into deep grooves



Dimensions [mm]

GoFix® XB

d ₁	TX	DK
6,5	30	8
8,0	40	10
10,0	50	13

SIHGA® montagepack		Dimension GoFix® XB	Installation part Wood	Characteristic values	
Art. No.	PU	d ₁ x L	AD [mm]	Tension load F ₁ [kN]	Shear load F ₂ [kN]
24866	150	6,5 x 120	60	3,75	2,68
24876	150	6,5 x 140	70	4,37	2,84
24886	150	6,5 x 160	80	5,00	3,00
24896	150	6,5 x 195	100	6,25	3,24
24906	75	8,0 x 155	80	6,15	4,40
24916	75	8,0 x 195	100	7,69	4,79
24926	75	8,0 x 220	110	8,46	5,09
24936	75	8,0 x 245	125	10,00	5,28
24946	75	8,0 x 295	150	11,53	5,77
24956	75	8,0 x 330	170	13,07	5,86
24966	75	8,0 x 375	190	14,61	5,92
24976	75	8,0 x 400	200	15,38	5,99
25006	50	10,0 x 300	150	14,42	6,95
25016	50	10,0 x 330	170	15,86	6,95
25026	50	10,0 x 360	180	17,30	6,95
25036	50	10,0 x 400	200	19,22	6,95
25046	50	10,0 x 450	225	21,63	6,95
25056	50	10,0 x 500	250	24,03	6,95
25066	50	10,0 x 550	275	25,00	6,95
25076	50	10,0 x 600	300	25,00	6,95

Characteristic values for dimensioning according to EC 5 | Characteristic values for strength class pk 350 kg/m³

SIHGA® - Feature

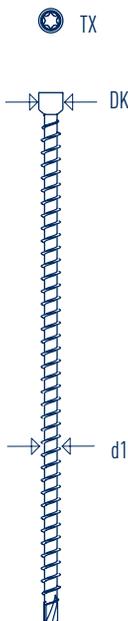
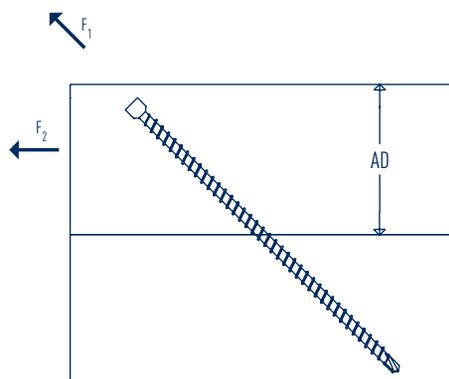
YOUR- Benefit

calculation values

SIHGA® performs the calculation for you, just read the dimensions

includes SIHGAFIX®, Systemstift® and installation instructions

time-saving, practical, precise, all accessories enclosed, SIHGAFIX® also screws into deep grooves



Dimensions [mm]

GoFix® XB				
d ₁	TX	DK	R _v	A _v
6,5	30	8	20	16
8,0	40	10	24	20
10,0	50	13	30	25

SIHGA® montagepack		Dimension GoFix® XB	Installation part Wood	Characteristic values	
Art. No.	PU	d ₁ x L	AD [mm]	Tension load F ₁ [kN]	Shear load F ₂ [kN]
24866	150	6,5 x 120	45	3,41	2,41
24876	150	6,5 x 140	50	3,98	2,81
24886	150	6,5 x 160	60	4,54	3,21
24896	150	6,5 x 195	70	5,68	4,02
24906	75	8,0 x 155	60	5,59	3,95
24916	75	8,0 x 195	70	6,99	4,94
24926	75	8,0 x 220	80	7,69	5,44
24936	75	8,0 x 245	90	9,09	6,43
24946	75	8,0 x 295	105	10,49	7,41
24956	75	8,0 x 330	120	11,88	8,40
24966	75	8,0 x 375	135	13,28	9,39
24976	75	8,0 x 400	145	13,98	9,89
25006	50	10,0 x 300	110	13,11	9,27
25016	50	10,0 x 330	120	14,42	10,20
25026	50	10,0 x 360	130	15,73	11,12
25036	50	10,0 x 400	145	17,48	12,36
25046	50	10,0 x 450	160	19,66	13,90
25056	50	10,0 x 500	180	21,85	15,45
25066	50	10,0 x 550	195	24,03	16,99
25076	50	10,0 x 600	215	25,00	18,54

Characteristic values for dimensioning according to EC 5 | Characteristic values for strength class pk 350 kg/m³

GoFix® XB Systemkoffer SG

SIHGA® - Feature

YOUR- Benefit

for GoFix® XB 6.5 and 8.0 mm

the professional installation aid, simplifies construction processes and saves time

made and developed in Austria

local quality and added-value

contains 1 XB template with 4 XB beam holders and GoFix® fastening screws

for the rational and precise installation of main/secondary beams

contains 1 installation pack GoFix® XB

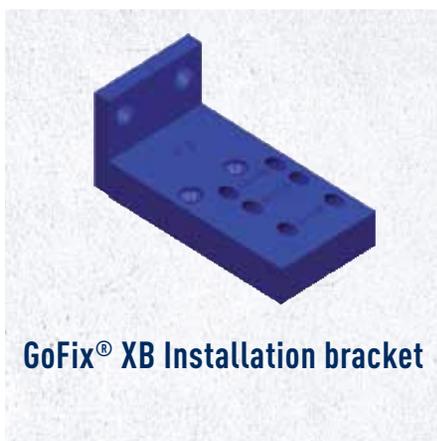
the length of GoFix® XB can be freely selected

contains 4 XB installation brackets

for rational and precise installation of secondary beams to struts

includes SIHGAFIX®, SIHGA® DUO-Bit, Systemstift® and installation instructions

time-saving, practical, precise, complete accessories enclosed



GoFix® XB Installation bracket



GoFix® XB Template

GoFix[®] XB Template

SIHGA[®] - Feature

YOUR- Benefit

For GoFix[®] XB 6.5 and 8.0 mm

for the rational and precise installation of main/
secondary beams

made, developed and patented in Austria

local quality and added-value



SIHGA[®] TIP:

GoFix[®] XB can also be used pre-drilled XB 6.5 with \varnothing 4 mm, XB 8.0 with \varnothing 5 mm.

GoFix[®] XB Installation bracket

SIHGA[®] - Feature

YOUR- Benefit

For GoFix[®] XB 6.5 and 8.0 mm

for rational and precise installation of secondary
beams to struts

made, developed and patented in Austria

local quality and added-value



SIHGA[®] TIP:

The Systemkoffer[®] SG contains template and installation bracket, combined with all accessories practically, completely and portably.



GoFix[®] XB Intallation bracket



GoFix[®] XB Template

GoFix® SB

GoFix® MSII

GoFix® TS

GoFix® XB

GoFix® SB

GoFix® SS



VIDEO



SIHGA® - Feature

YOUR- Benefit

fastens steel parts to wood

ideal for mounting wooden covers to steel beams, attaching steel brackets to glue laminate, mounting with steel struts

made from hardened carbon steel

the permanent, secure and powerful fastening

SIHGA® threads and counter sunk head

the enormous forces are transferred optimally from the wood to the steel part

SIHGA® drilling tip

for stress-free, easy rotation and small edge and axis distances

SC 4® coating

significantly higher corrosion protection, rules out the risk of hydrogen embrittlement, as with stand galvanisation

slip coating

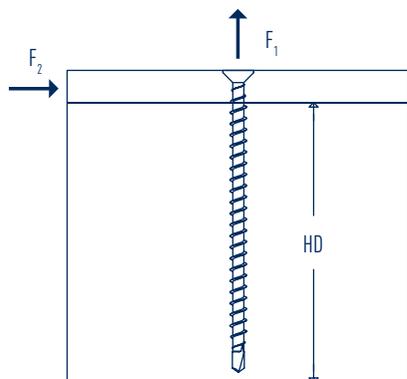
for lightweight screw connections with low screw-in torque

ETA European Technical Approval with external monitoring issued

trustworthy, externally monitored values provide certainty regarding the processing and rule out quality fluctuations

includes SIHGAFIX®, Systemstift® and installation instructions

time-saving, practical, precise, all accessories enclosed; SIHGAFIX® rust-also screws into deep grooves

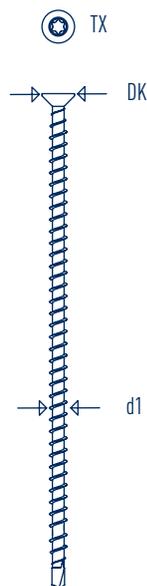


Dimensions [mm]

GoFix® SB

d ₁	TX	DK
8,0	40	15

SIHGA® montagepack		Dimension	Installation part	Characteristic values	
Art. No.	PU	GoFix® SB d ₁ x L	Wood AD [mm]	Tension load F ₁ [kN]	Shear load F ₂ [kN]
25106	75	8,0 x 95	100	6,15	4,69
25116	75	8,0 x 125	130	8,46	4,88
25126	75	8,0 x 155	160	10,77	5,08
25136	75	8,0 x 195	200	13,84	5,28
25146	75	8,0 x 220	230	15,76	5,47
25156	75	8,0 x 245	250	17,69	5,67
25166	75	8,0 x 295	300	20,00	5,67
25176	75	8,0 x 330	340	20,00	5,67
25186	75	8,0 x 375	380	20,00	5,67
25196	75	8,0 x 400	410	20,00	5,67



Characteristic values for dimensioning according to EC 5 | Characteristic values for strength class pk 350 kg/m³
Chosen steel thickness: 15 mm

SIHGA® - Feature

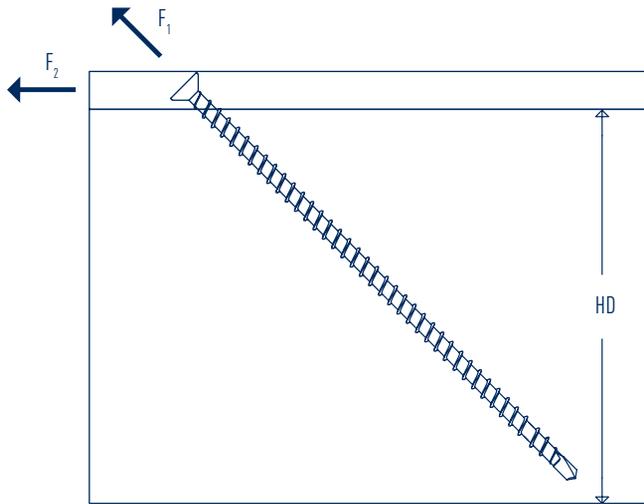
YOUR- Benefit

calculation values

SIHGA® performs the calculation for you, just read the dimensions

includes SIHGAFIX®, Systemstift® and installation instructions

time-saving, practical, precise, all accessories enclosed; SIHGAFIX® rust-also screws into deep grooves

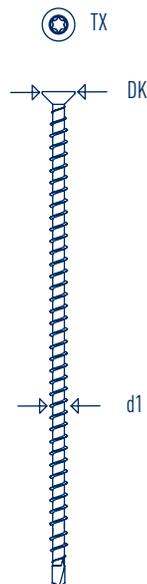


Dimension [mm]

GoFix® SB

d ₁	TX	DK
8,0	40	15

SIHGA® montagepack		Dimension GoFix® SB	Installation part Wood	Characteristic values	
Art. No.	PU	d ₁ x L	AD [mm]	Tension load F ₁ [kN]	Shear load F ₂ [kN]
25106	75	8,0 x 95	70	5,59	3,95
25116	75	8,0 x 125	95	7,69	5,44
25126	75	8,0 x 155	115	9,79	6,92
25136	75	8,0 x 195	145	12,58	8,90
25146	75	8,0 x 220	165	14,33	10,13
25156	75	8,0 x 245	180	16,08	11,37
25166	75	8,0 x 295	220	19,57	13,84
25176	75	8,0 x 330	245	22,02	15,57
25186	75	8,0 x 375	270	25,17	17,80
25196	75	8,0 x 400	290	26,91	19,03



Characteristic values for dimensioning according to EC 5 | Characteristic values for strength class pk 350 kg/m³
Chosen steel thickness: 15 mm

GoFix[®] SS



**GoFix[®] SS made from
hardened carbon steel**

SIHGA® - Feature

extremely high thread load-bearing capacity of 50 kN and length up to 1000 mm

made from hardened carbon steel

SC 1® coating

ETA European Technical Approval with external monitoring issued

includes SIHGAFIX®, Systemstift® and installation instructions

YOUR- Benefit

ideal for reinforcements in timber engineering and for large glued laminated timber or steel connections; replaces threaded rods

the permanent, secure and powerful fastening

the optimal corrosion protection, environmentally friendly and chromium 6-free

trustworthy, externally monitored values provide certainty regarding the processing and rule out quality fluctuations

time-saving, practical, precise, all accessories enclosed; SIHGAFIX® rust-also screws into deep grooves



VIDEO



SIHGA® - Feature

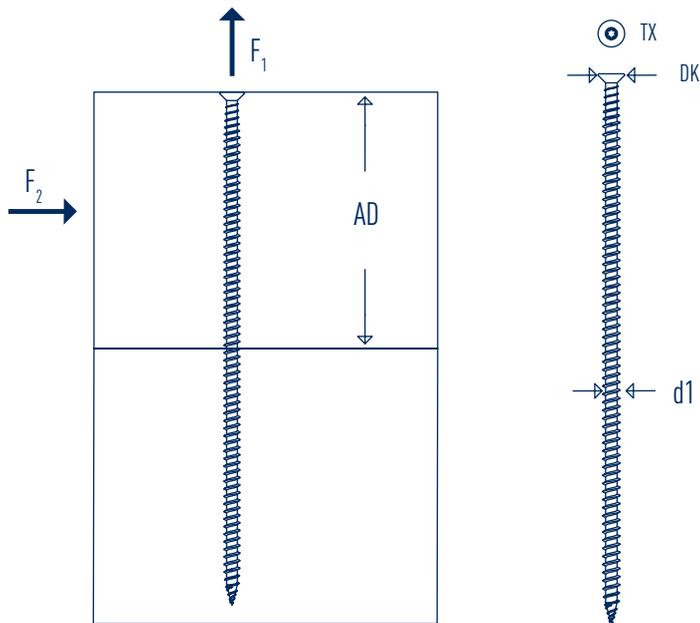
YOUR- Benefit

calculation values

SIHGA® performs the calculation for you, just read the dimensions

online calculation values

www.sihga.com



Dimensions [mm]

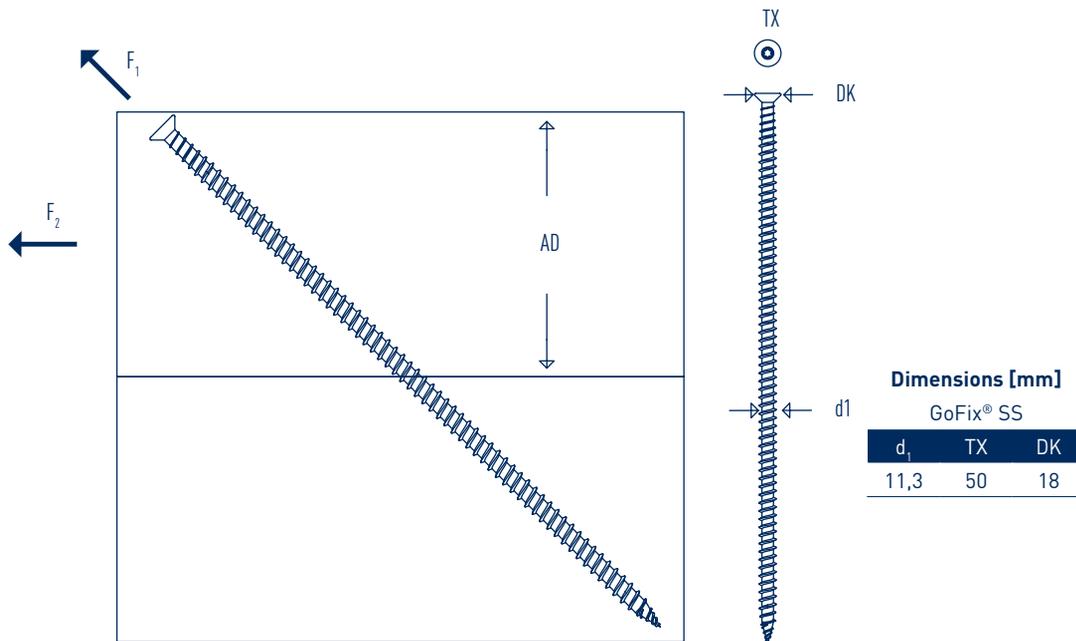
GoFix® SS		
d ₁	TX	DK
11,3	50	18

SIHGA® montagepack		Dimension GoFix® SS	Installation part Wood	Characteristic values	
Art. No.	PU	d ₁ x L	AD [mm]	Tension load F ₁ [kN]	Shear load F ₂ [kN]
25336	50	11,3 x 300	150	16,29	8,78
25346	50	11,3 x 340	170	18,46	9,32
25206	50	11,3 x 380	190	20,64	9,87
25216	50	11,3 x 420	210	22,81	10,41
25226	50	11,3 x 460	230	24,98	10,95
25236	50	11,3 x 500	250	27,15	11,50
25246	50	11,3 x 540	270	29,33	12,04
25256	50	11,3 x 580	290	31,50	12,58
25266	50	11,3 x 620	310	33,67	13,12
25276	50	11,3 x 660	330	35,84	13,67
25286	50	11,3 x 700	350	38,02	14,21
25296	50	11,3 x 750	375	40,73	14,89
25306	50	11,3 x 800	400	43,45	15,57
25316	50	11,3 x 900	450	48,88	16,93
25326	50	11,3 x 1000	500	50,00	18,28

Characteristic values for dimensioning according to EC 5 | Characteristic values for strength class pk 380 kg/m³

calculation values

SIHGA® performs the calculation for you, just read the dimensions



Dimensions [mm]		
GoFix® SS		
d ₁	TX	DK
11,3	50	18

Art. No.	SIHGA®	Dimension	Installation part	Characteristic values	
	montagepack	GoFix® SS	Wood	Tension load F ₁ [kN]	Shear load F ₂ [kN]
	PU	d ₁ x L	AD [mm]		
25336	50	11,3 x 300	110	14,81	10,47
25346	50	11,3 x 340	120	16,79	11,87
25206	50	11,3 x 380	140	18,76	13,27
25216	50	11,3 x 420	150	20,74	14,66
25226	50	11,3 x 460	170	22,71	16,06
25236	50	11,3 x 500	180	24,69	17,46
25246	50	11,3 x 540	200	26,66	18,85
25256	50	11,3 x 580	210	28,64	20,25
25266	50	11,3 x 620	220	30,61	21,64
25276	50	11,3 x 660	240	32,58	23,04
25286	50	11,3 x 700	250	34,56	24,44
25296	50	11,3 x 750	270	37,03	26,18
25306	50	11,3 x 800	290	39,50	27,93
25316	50	11,3 x 900	320	44,43	31,42
25326	50	11,3 x 1000	360	49,37	34,91

Characteristic values for dimensioning according to EC 5 | Characteristic values for strength class pk 380 kg/m³

L-GoFix® MS



L-GoFix® MS made from hardened stainless steel



L-GoFix® MS with additional SC 9® coating



SIHGA® - Feature

YOUR- Benefit

fastens wood to wood without pre-drilling and without countersinking	prevents cracks and splits in the timber, even for OSB panels or timber with high tannin content; saves time
also fastens tropical woods and thermo-woods	creates a perfect look, with these woods pre-drilling is recommended
multistage head with small head diameter	high constructive wood protection and polished surface as a result of the plane head
special thread angle with sharp thread edges	high extraction value
SIHGA® point with special shape	guarantees fast setting of screws without splitting
SIHGA® ribs on shaft and slip coating	light, fast rotation and optimum fit in the wood are guaranteed
made from hardened stainless steel	fastens without rusting, also in acidic woods and is extremely break-proof
also available with SC 9® coating (in black)	optimal on dark materials
also available with SC 11® coating (antique look)	can be used for larch, Douglas fur and Bangkirai
includes SIHGAFIX® rust-free, Systemstift® and installation instructions	time-saving, practical, all accessories enclosed; SIHGAFIX® rust-free prevented rust from external sources and also screws into deep grooves
ETA European Technical Approval with external monitoring issued	trustworthy, externally monitored values provide certainty regarding the processing and rule out quality fluctuations
SIHGA® Guarantee 23 years	product security, also in the future



VIDEO



SIHGA® TIP:

Always make sure the screw is level with the surface, this prevents accumulations in the wood above the screw head, risk of tripping from protruding heads or burning for small children in high summer.

SIHGA® - Feature

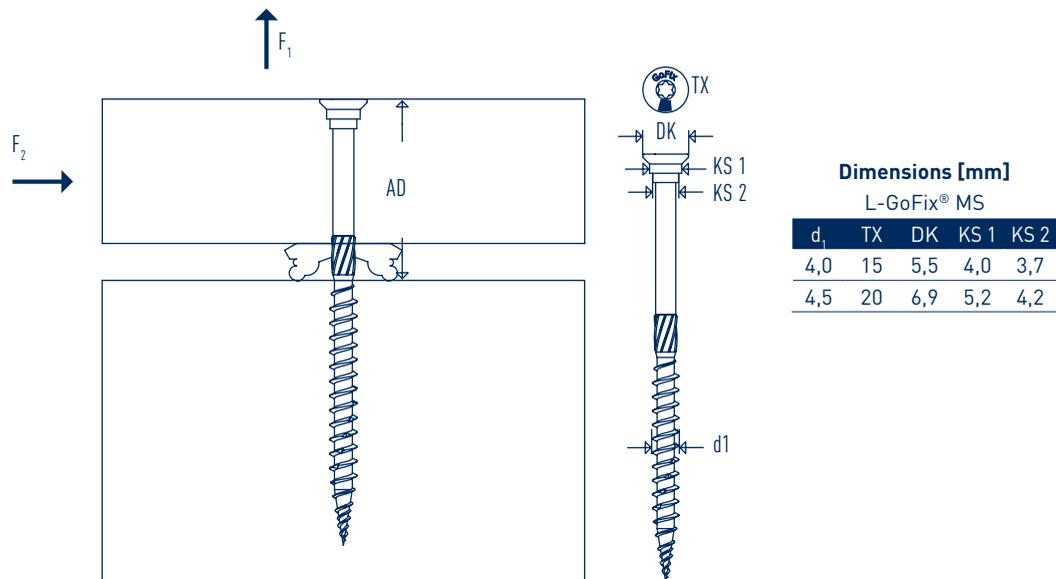
YOUR- Benefit

calculation values

SIHGA® performs the calculation for you, just read the dimensions

includes SIHGAFIX®, Systemstift® and installation instructions

time-saving, practical, precise, all accessories enclosed; SIHGAFIX® rust-also screws into deep grooves



Dimensions [mm]

L-GoFix® MS

d ₁	TX	DK	KS 1	KS 2
4,0	15	5,5	4,0	3,7
4,5	20	6,9	5,2	4,2

SIHGA® montagepack		Dimension L-GoFix® MB	Installation part AD [mm]	Characteristic values			
Art. No.	PU	d ₁ x L	[mm]	Tension load F ₁ [kN]		Shear load F ₂ [kN]	
				Head	Thread	Wood-Wood	Steel-Wood
24106	500	4,0 x 30	12	0,46	1,05	0,97	1,23
24116	500	4,0 x 35	14	0,46	1,23	0,97	1,23
24126	500	4,0 x 40*	16	0,46	1,41	0,97	1,23
24136	500	4,0 x 45	18	0,46	1,58	0,97	1,23
24146	500	4,0 x 50*	20	0,46	1,76	0,97	1,23
24156	500	4,0 x 60*	24	0,46	2,05	0,97	1,23
24226	400	4,5 x 40*	16	0,77	1,30	1,30	1,51
24236	400	4,5 x 45*	18	0,77	1,48	1,30	1,51
24246	400	4,5 x 50*	20	0,77	1,67	1,30	1,51
24266	400	4,5 x 60*	24	0,77	1,85	1,30	1,51
24276	300	4,5 x 70*	28	0,77	2,16	1,30	1,51

* with SC 9 coating available

Characteristic values for dimensioning according to EC 5 | Characteristic values for strength class pk 410 kg/m³



SIHGA® TIP:

Requirement calculated in items per m²:

1 m² : Substructure distance in m : (width of wood profile + joint in m) x 2.

SIHGA® - Feature

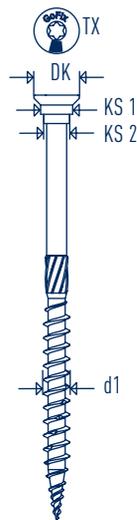
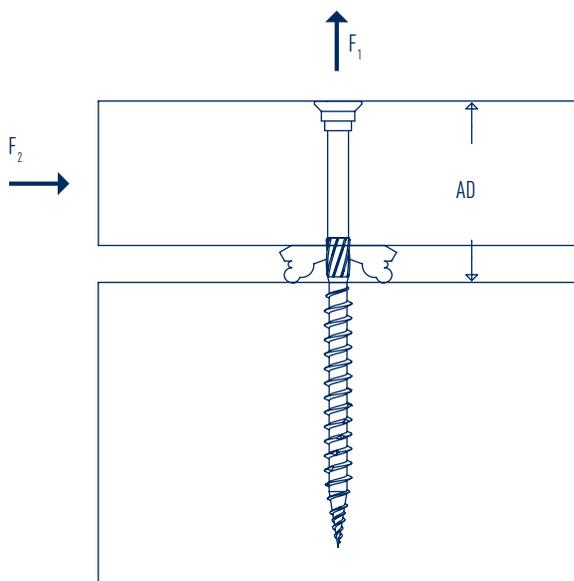
YOUR- Benefit

calculation values

SIHGA® performs the calculation for you, just read the dimensions

includes SIHGAFIX®, Systemstift® and installation instructions

time-saving, practical, precise, all accessories enclosed; SIHGAFIX® rust-also screws into deep grooves



Dimensions [mm]

L-GoFix® MS

d ₁	TX	DK	KS 1	KS 2
5,0	25	8,5	6,0	4,8
6,0	30	11,5	7,2	5,8

SIHGA® montagepack	Dimension L-GoFix® MB	Installation part AD	Characteristic values				
			Tension load F ₁ [kN]		Shear load F ₂ [kN]		
Art. No.	PU	d ₁ x L	Head	Thread	Wood-Wood	Steel-Wood	
24316	200	5,0 x 45*	18	1,10	1,79	1,45	1,71
24326	200	5,0 x 50*°	20	1,10	2,06	1,45	1,71
24336	200	5,0 x 60*°	24	1,10	2,40	1,45	1,71
24346	200	5,0 x 70*	28	1,10	2,75	1,45	1,71
24356	200	5,0 x 80*	32	1,10	3,43	1,45	1,71
24366	200	5,0 x 90*	36	1,10	3,78	1,45	1,71
24376	200	5,0 x 100*	40	1,10	4,12	1,45	1,71
24406	100	6,0 x 70	28	1,96	3,11	2,07	2,61
24416	100	6,0 x 80	32	1,96	3,88	2,07	2,61
24426	100	6,0 x 90	36	1,96	4,27	2,07	2,61
24436	100	6,0 x 100	40	1,96	4,66	2,07	2,61
24446	100	6,0 x 120	50	1,96	5,43	2,07	2,61
24456	100	6,0 x 140	70	1,96	5,43	2,07	2,61
24466	100	6,0 x 160	90	1,96	5,43	2,07	2,61

* with SC 9 coating available

° with SC 11 coating available

Characteristic values for dimensioning according to EC 5 | Characteristic values for strength class pk 410 kg/m³

BeziFix[®] Anchor BF/BS/BSS



BeziFix[®] Anchor BF

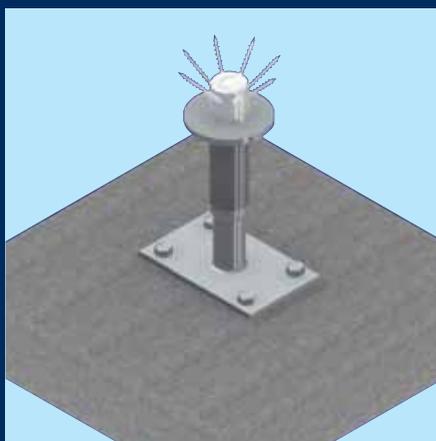


BeziFix[®] Anchor BS

SIHGA® - Feature

YOUR- Benefit

fastens in concrete without dowels	optimal for fastening close to edges, no splitting effect
easy push-through installation	saves a great deal of time because the BeziFix® anchor is only pushed through the part to be anchored
drill hole diameter 1/3 smaller than with expansion anchors	also saves lots of installation time
sawtooth thread in the front	makes it possible to screw into the drilled concrete
just tighten by hand	to achieve the full load-bearing capacity, does not need a torque wrench
can be used in concrete quality up to C20/25 in cracked and uncracked concrete	large range of applications or few restrictions in application
including SDS hammer drill and installation instructions	time-saving, practical, precise, complete accessories enclosed
calculation values	static values from practice for practice
ETA European Technical Approval with external monitoring applied for	trustworthy, externally monitored values provide certainty regarding the processing and rule out quality fluctuations



VIDEO



SIHGA® TIP:

Check the drill diameter, for this we always enclose the right drill.

SIHGA® - Feature

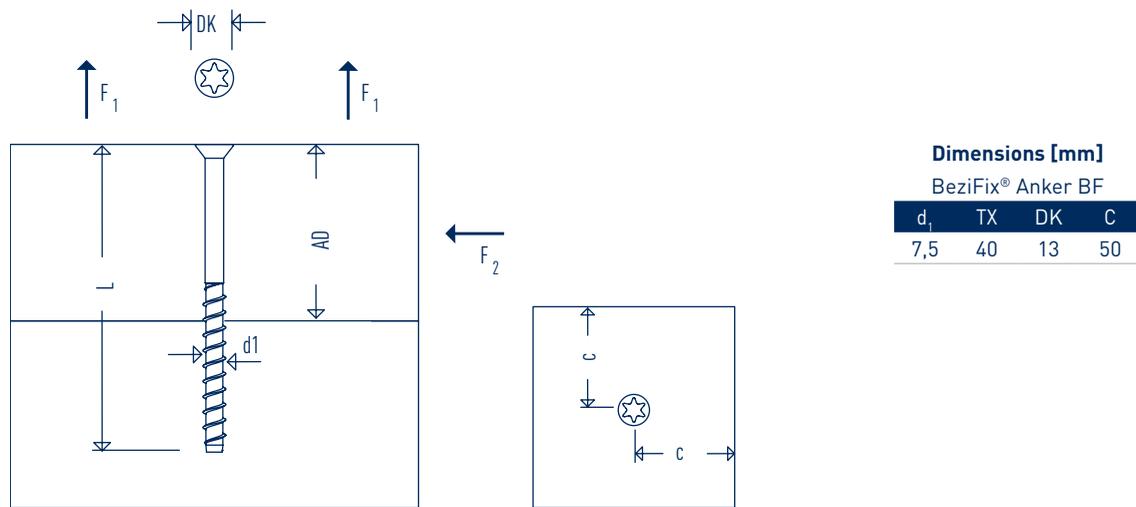
YOUR- Benefit

calculation values

static values from practice for practice

ETA European Technical Approval with external monitoring applied for

trustworthy, externally monitored values provide certainty regarding the processing and rule out quality fluctuations



SIHGA® montagepack		Dimension BeziFix® Anchor BF	Installation part AD	Drill hole Concrete		Recommended load		
Art. No.	PU	d ₁ x L	[mm]	Diameter	Depth	Thread	Tension load F ₁ [kN]	Shear load F ₂ [kN]
							Steel- Concrete	Wood- Concrete
30506	100	7,5 x 40	5	6	45	1,97	3,08	1,15
30526	100	7,5 x 60	20	6	45	2,41	3,16	1,19
30536	100	7,5 x 80	40	6	45	2,41	3,16	1,19
30546	100	7,5 x 100	60	6	45	2,41	3,16	1,19
30556	100	7,5 x 120	80	6	45	2,41	3,16	1,19
30566	100	7,5 x 140	100	6	45	2,41	3,16	1,19
30576	100	7,5 x 160	120	6	45	2,41	3,16	1,19

ETAG 001 1997 Annex C – dimensioning of metal anchors for use in concrete / safety concept 3.2.3.1 and 3.2.3.2.

Recommended loads in concrete C20/25, standard reinforcement, compliance with screwing depth and axial and edge distances as indicated.

SIHGA® - Feature

YOUR- Benefit

BeziFix® Anchor BSS with washer DIN 440

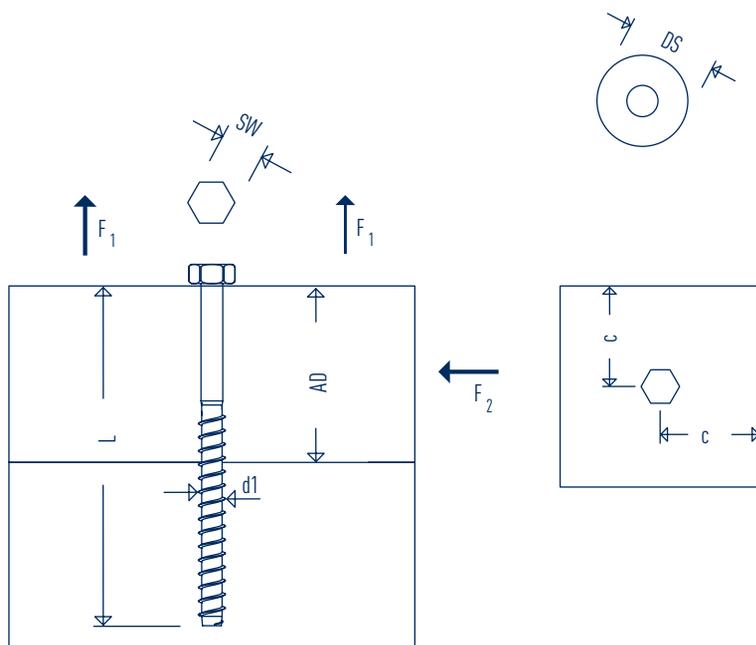
the ideal washer is enclosed

calculation values

static values from practice for practice

ETA European Technical Approval with external monitoring applied for

trustworthy, externally monitored values provide certainty regarding the processing and rule out quality fluctuations



Dimensions [mm]

BeziFix® Anchor BSS

d ₁	DS	SW	C
12	44	17	90

Dimensions [mm]

BeziFix® Anchor BS

d ₁	DS	SW	C
10	-	15	60

SIHGA® montagepack	Dimension BeziFix® Anchor BS/BSS	Installation part AD	Drill hole		Recommended load		
			Concrete	Thread	Tension load F ₁ [kN]	Shear load F ₂ [kN]	
Art. No.	PU	d ₁ x L [mm]	Diameter	Depth	Thread	Steel- Concrete	Wood- Concrete
30606	50	10 x 60	8	70	3,37	4,35	1,63
30626	50	10 x 80	8	70	4,43	4,51	1,69
30636	50	10 x 100	8	70	4,43	4,51	1,69
30646	50	10 x 120	8	70	4,43	4,51	1,69
30656	50	10 x 140	8	70	4,43	4,51	1,69
30666	50	10 x 160	8	70	4,43	4,51	1,69
30716	30	12 x 80	10	80	5,58	8,54	5,33
30726	30	12 x 100	10	80	5,58	8,54	5,33
30736	30	12 x 120	10	80	5,58	8,54	5,33
30746	30	12 x 140	10	80	5,58	8,54	5,33
30756	30	12 x 160	10	80	5,58	8,54	5,33
30776	30	12 x 200	10	80	5,58	8,54	5,33
30786	30	12 x 240	10	80	5,58	8,54	5,33
30796	30	12 x 280	10	80	5,58	8,54	5,33
30806	30	12 x 320	10	80	5,58	8,54	5,33

ETAG 001 1997 Annex C – dimensioning of metal anchors for use in concrete / safety concept 3.2.3.1 and 3.2.3.2.

Recommended loads in concrete C20/25, standard reinforcement, compliance with screwing depth and axial and edge distances as indicated.

IdeFix® STF



SIHGA® - Feature

YOUR- Benefit

per fastening point transfers up to 260 kN compressive and 45 kN tensile force	the permanent, reliable connection with high extraction and pressure values
high corrosion protection with SC 6® coating	with surface with self-repair effect
permanent wood connection	constructive wood protection keeps surfaces free from damage
three-dimensional screw connection with IdeFix® in end-grain wood	the globally unique product with three-dimensional, standardised screw connection provides security
thread cover through stainless steel sleeve	high corrosion protection and protection against water spray
height-adjustable when installed	subsequently height-adjustable at any time
ETA European Technical Approval with external monitoring issued	trustworthy values provide high levels of security and risk-avoidance
IdeFix® drill gauge	for rational, angled drilling, also on the construction site, catalogue page 135
includes SIHGAFIX®, GoFix® HK screws and installation instructions	time-saving, practical, precise, complete accessories enclosed



VIDEO



SIHGA® TIP:

For drilling by hand, we recommend the IdeFix® drill gauge IBL with drill (page 135).

SIHGA® - Feature

YOUR- Benefit

calculation values

SIHGA® performs the calculation for you, just read the values

easy installation, only insert in hole with 30 mm diameter and depth

this drilling can be performed in the factory or on-site



STF 337 (80 - 95 mm)



STF 331 (125 - 160 mm)



STF 330 (125 - 160 mm)



STF 332 (165 - 200 mm)



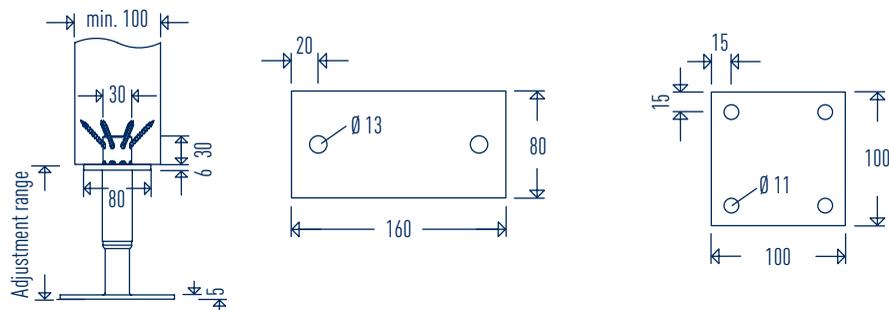
STF 333 (205 - 240 mm)



STF 336 (160 - 195 mm)



STF 338 (160 - 195 mm)



SIHGA® objektpack		IdeFix® STF	Adjustment range Height [mm]		Characteristic values Compressive load [kN] Tension load [kN]	
Art. No.	PU	Type	from	to	Rc, k	Rt, k
28269	10	STF 337	80	95	70,42	17,00
28219	10	STF 331	125	160	70,42	17,00
28209	10	STF 330	125	160	70,42	17,00
28229	10	STF 332	165	200	57,38	17,00
28239	10	STF 333	205	240	46,26	17,00
28259	10	STF 336	160	195	59,20	17,00
28289	10	STF 338	160	195	59,20	17,00

Characteristic values for dimensioning according to EC 5 | Characteristic values for strength class C24 (ρ_k 350 kg/m³)



SIHGA® TIP:

For professional fastening to the foundations, we recommend BeziFix® anchors (page 114).

SIHGA® - Feature

YOUR- Benefit

Calculation values

SIHGA® performs the calculation for you, just read the values

easy installation, only insert in hole with 40 mm diameter and depth (STF 952 Ø 50 mm)

this drilling can be performed in the factory or on-site



STF 442 (170 - 220 mm)



STF 443 (220 - 270 mm)



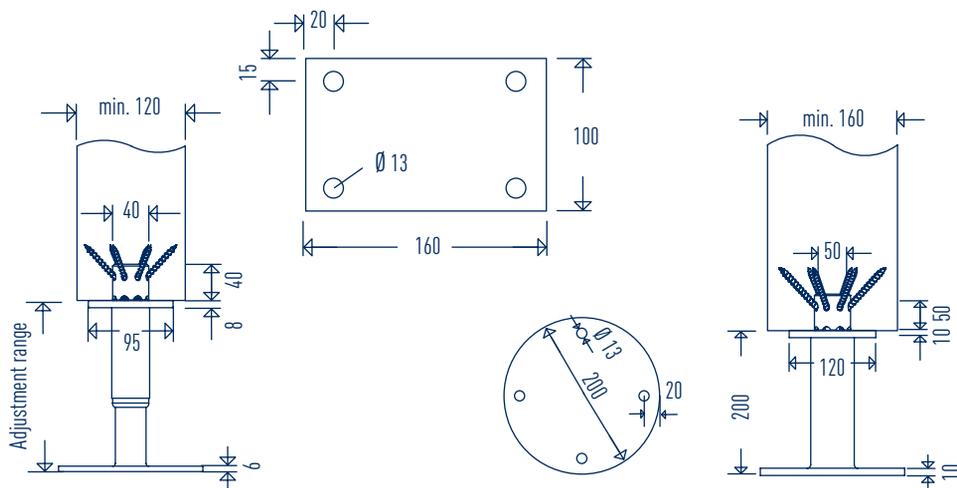
STF 444 (270 - 320 mm)



STF 445 (320 - 370 mm)



STF 952 (200 mm)



SIHGA®		IdeFix®		Adjustment range		Characteristic values	
Art. No.	objektpack	STF	Type	from	to	Compressive load [kN]	Tension load [kN]
28309	5	STF 442		170	220	101,68	29,00
28319	5	STF 443		220	270	82,79	29,00
28329	5	STF 444		270	320	66,55	29,00
28339	5	STF 445		320	370	53,67	29,00
28529	2	STF 952		200 (not adjustable)		260,12	45,08

Characteristic values for dimensioning according to EC 5 | Characteristic values for strength class C24 [ρ_k 350 kg/m³]

SIHGA® - Feature

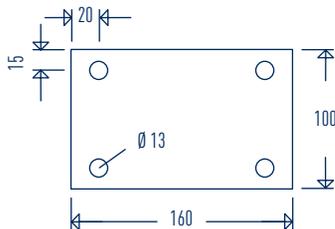
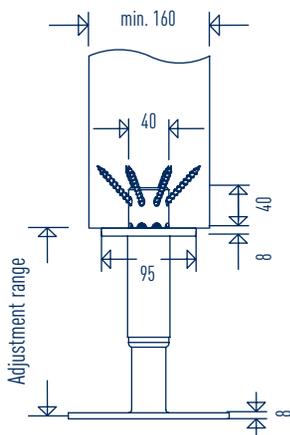
YOUR- Benefit

calculation values

SIHGA® performs the calculation for you, just read the values

easy installation, only insert in hole with 40 mm diameter and depth

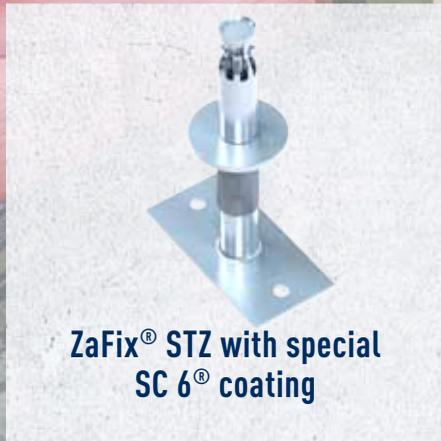
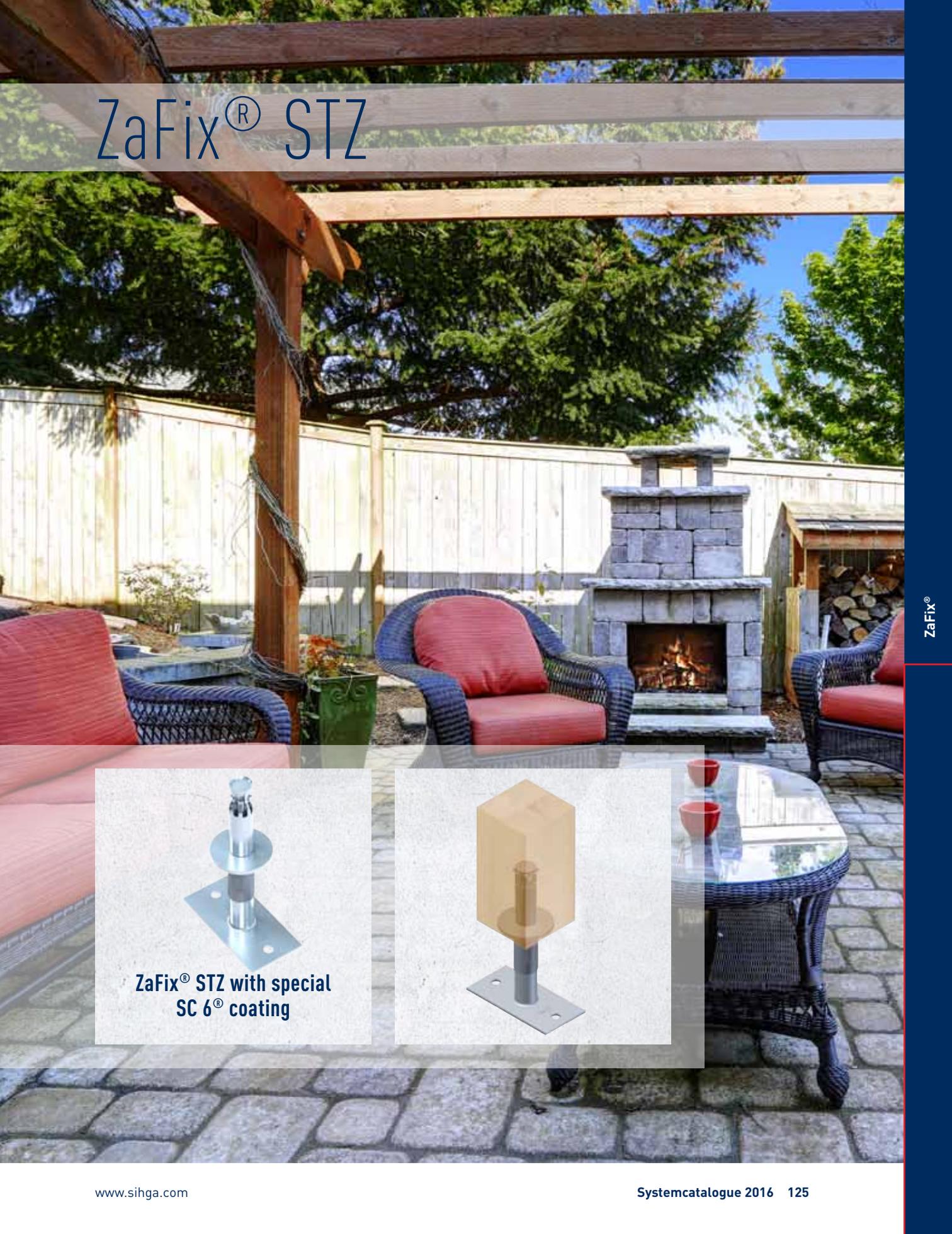
this drilling can be performed in the factory or on-site



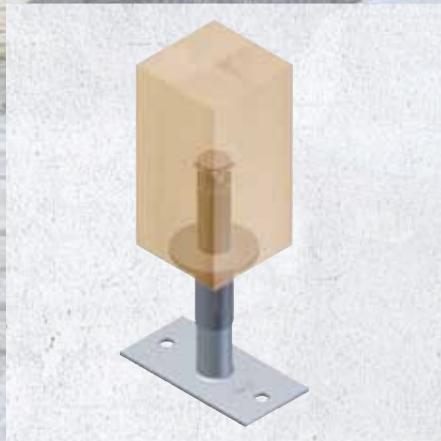
SIHGA® objektpack		IdeFix® STF	Adjustment range Height [mm]		Characteristic values Compressive load [kN] Tension load [kN]	
Art. No.	PU	Type	from	to	Rc, k	Rt, k
28409	5	STF 742	165	210	154,50	37,90
28419	5	STF 743	215	260	140,08	37,90
28429	5	STF 744	265	310	117,72	37,90
28439	5	STF 745	315	360	97,85	37,90
28459	5	STF 746	200	250	144,69	37,90
28479	5	STF 748	up to 215		160,69	37,90

Characteristic values for dimensioning according to EC 5 | Characteristic values for strength class C24 (ρ_k 350 kg/m³)

ZaFix® STZ



ZaFix® STZ with special
SC 6® coating



SIHGA® - Feature

YOUR- Benefit

per fastening point transfers up to 117.72 kN pressure and 10.57 kN tensile force

the permanent, reliable connection with extremely fast installation

high corrosion protection with SC 6® coating

with surface with self-repair effect

permanent wood connection

constructive wood protection keeps surfaces free from damage

patented expanding dowel

allows extremely fast installation

thread cover through stainless steel sleeve.

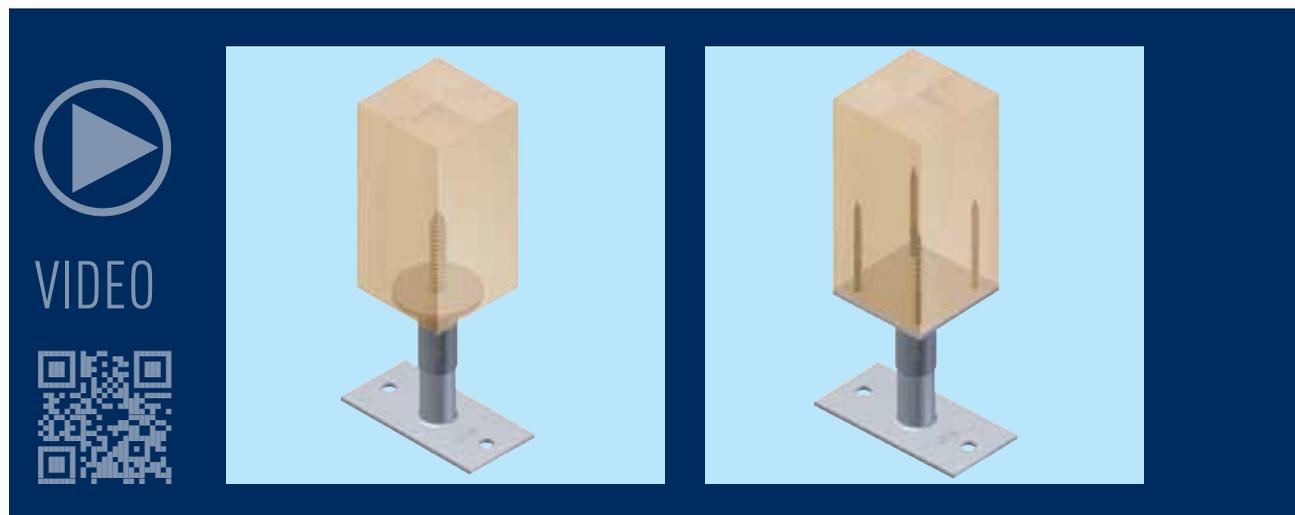
high corrosion protection and protection against water spray

height-adjustable when installed

subsequently height-adjustable at any time

ETA European Technical Approval with external monitoring issued

trustworthy values provide high levels of security and risk-avoidance



SIHGA® TIP:

For professional fastening to the foundations, we recommend BeziFix® Anchors (page 114).

SIHGA® - Feature

YOUR- Benefit

calculation values

SIHGA® performs the calculation for you, just read the values

includes installation instructions

time-saving and practically enclosed



ZaFix® STZ 211



ZaFix® STZ 221



ZaFix® STZ 310



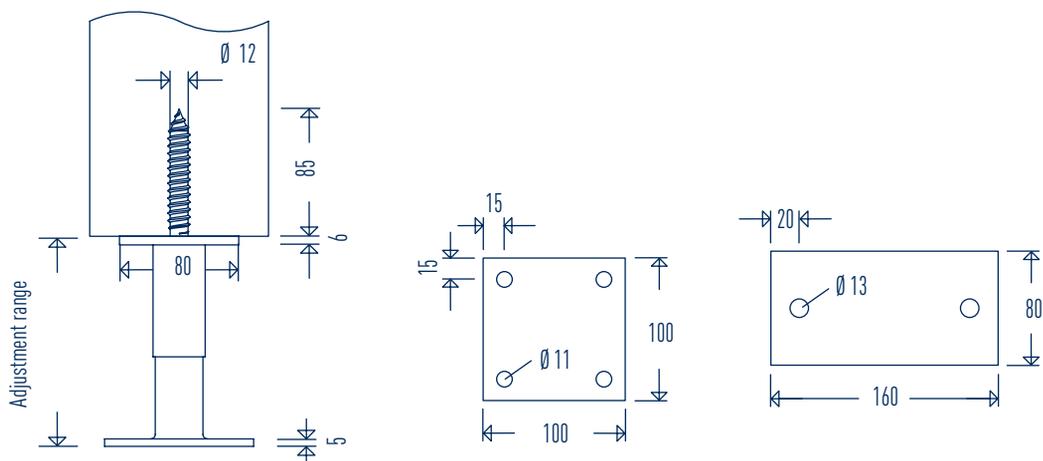
ZaFix® STZ 311



ZaFix® STZ 320



ZaFix® STZ 321



SIHGA® objektpack		ZaFix® STZ	Adjustment range Height [mm]		Characteristic values Compressive load [kN] Tension load [kN]	
Art. No.	PU	Type	from	to	Rc, k	Rt, k
35909	10	STZ 211	120	160	44,63	-
35919	10	STZ 221	120	160	44,63	-
36009	10	STZ 310	120	160	70,42	-
36019	10	STZ 311	120	160	70,42	-
36059	10	STZ 320	120	160	70,42	-
36069	10	STZ 321	120	160	70,42	-

Characteristic values for dimensioning according to EC 5 | Characteristic values for strength class C24 (ρ_k 350 kg/m³)

SIHGA® - Feature

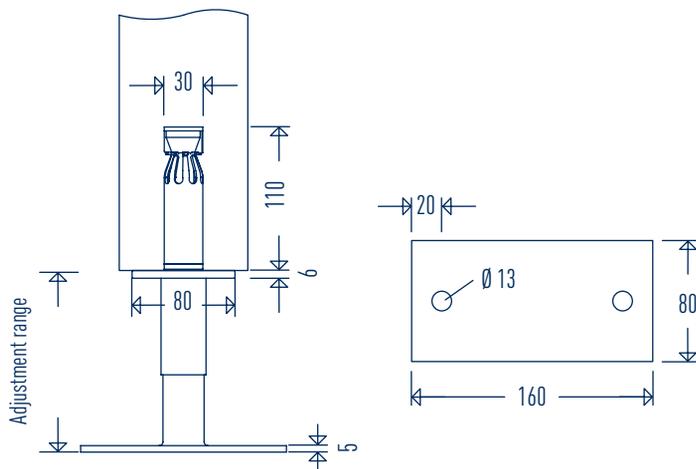
YOUR- Benefit

calculation values

SIHGA® performs the calculation for you, just read the values

includes installation instructions

time-saving and practically enclosed



SIHGA® objektpack		ZaFix® STZ	Adjustment range Height [mm]		Characteristic values Compressive load [kN] Tension load [kN]	
Art. No.	PU	Type	from	to	Rc, k	Rt, k
36109	10	STZ 330	125	160	70,42	8,98
36119	10	STZ 331	125	160	70,42	8,98
36129	10	STZ 332	165	200	57,38	8,98
36139	10	STZ 333	205	240	46,26	8,98
36169	10	STZ 336	160	195	59,20	8,98
36189	10	STZ 338	160	195	59,20	8,98

Characteristic values for dimensioning according to EC 5 | Characteristic values for strength class C24 [pk 350 kg/m³]

SIHGA® - Feature

YOUR- Benefit

calculation values

SIHGA® performs the calculation for you, just read the values

includes installation instructions

time-saving and practically enclosed



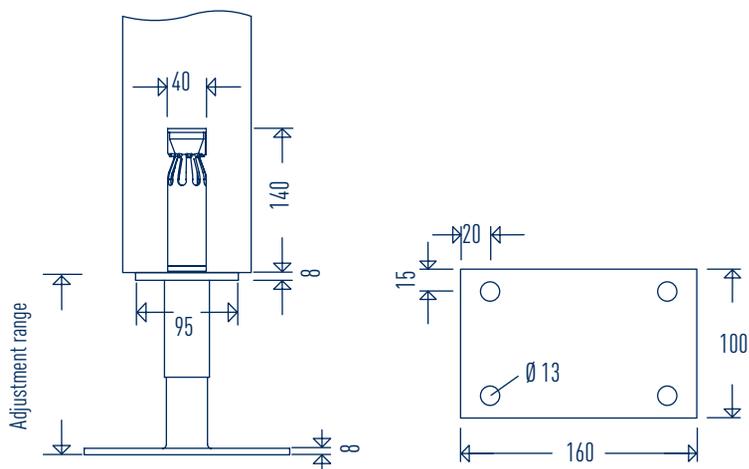
ZaFix® STZ 742



ZaFix® STZ 743



ZaFix® STZ 744



SIHGA®		ZaFix®	Adjustment range		Characteristic values	
Art. No.	objektpack	STZ	Height [mm]		Compressive load [kN]	Tension load [kN]
Art. No.	PU	Type	from	to	R _c , k	R _t ,k
36529	5	STZ 742	165	210	154,50	10,57
36539	5	STZ 743	215	260	140,08	10,57
36549	5	STZ 744	265	310	117,72	10,57

Characteristic values for dimensioning according to EC 5 | Characteristic values for strength class C24 [p_k 350 kg/m³]



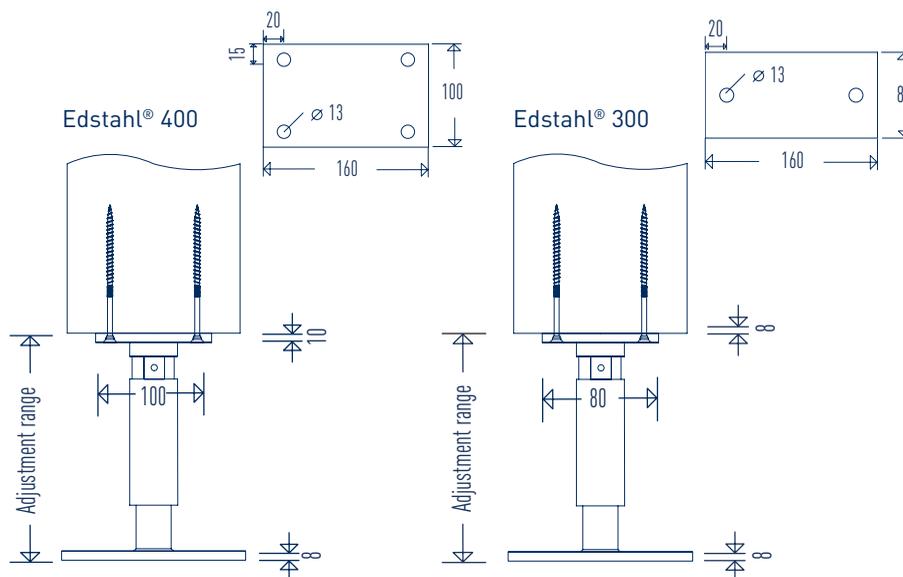
SIHGA® - Feature

YOUR- Benefit

per fastening point transfers up to 191 kN compressive force	the most permanent and reliable connection
unique on the market: made 100% from stainless steel	no risk of corrosion, usage class 3
made, developed and patented in Austria	local quality and added-value
permanent wood connection	constructive wood protection keeps surfaces free from damage
can be combined with IdeFix® IF 304 or 406 for 16.62 kN tensile force and horizontal force of 5.97 kN	for high tensile forces, the globally unique product with three-dimensional, standardised screw connection in grain-cut wood provides security
two-part system	quick and easy installation, upper part can be installed in the factory
two models for all applications	can be used flexibly, height compensation up to 65 mm, also when installed
calculation values	SIHGA® performs the calculation for you, just read the values
including accessories made from stainless steel, L-GoFix® MS, BeziFix® anchor BSE, SIHGAFIX® and installation instruction	rust-free, time-saving, practical, precise, complete accessories enclosed

SIHGA® objektpack		Dimension Edstahl®	Adjustment range Height [mm]		Characteristic values L-GoFix® MS 6,0 x 160		
Art. No.	PU	Type	from	tow	Pressure [kN]	Tension [kN]	Transverse [kN]
28609	10	300	125	170	113,70	2,04	1,47
28709	5	400	160	225	191,20	2,04	1,47

Characteristic values for dimensioning according to EC 5 | Characteristic values for strength class C24 (ρ_k 350 kg/m³)



VIDEO



SIHGA® TIP:

Connection and lift-off protection of both parts with enclosed screws.

IdeFix® IF



IdeFix® IF

SIHGA® - Feature

YOUR- Benefit

even in end-grain wood, IdeFix® transfers extremely high tensile and shearing (transverse) forces, up to 56 kN per fastening point

the heavy-load connection with small space requirement and small axis and edge distances

three-dimensional load attachment through geometry and 45° screw connection for normal and angled connections"

the range of applications for wood construction is almost unlimited

for horizontal connections, vertical connections, angled connections, multiple connections in single and multiple rows

IdeFix® is the ideal problem solver - even for grain-cut connections

integrated anti-rotation lock

thanks to the geometry, rotation of the timber, for example columns, is prevented; during installation it automatically pressed into the wood being connected

can be re-tightened at any time through metric internal thread M12, M16, M20

IdeFix® can be re-tightened when installed

installed invisibly

perfect look and high fire protection advantage

small edge and axis distances

allows the installation of multiple IdeFix®

modular construction possible

multiple use possible, connection can be loosened and fixed as often as required

can also be installed as pin attachment, including anti-rotation lock

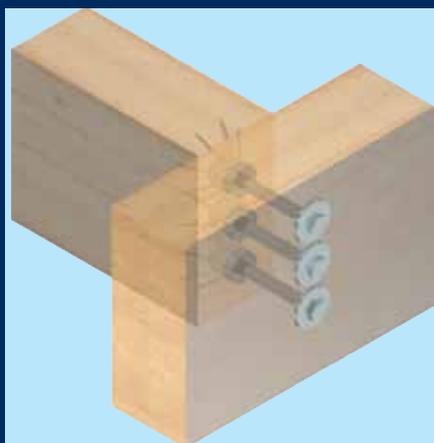
the wood being connected also has to be drilled; minimises the weakening of timber despite the pin attachment

easy installation, only insert in hole with 30, 40 or 50 mm diameter and depth

this drilling can be performed in the factory or on-site

tensile force may be statically combined with transverse force

a large and safe security advantage for angled connections



VIDEO



SIHGA® - Feature

YOUR- Benefit

SC 6® coating

significantly increased corrosion protection compared to usual galvanisation, paintable and "self-healing effect" in the event of damage

includes SIHGAFIX®, GoFix® HK screws and installation instructions

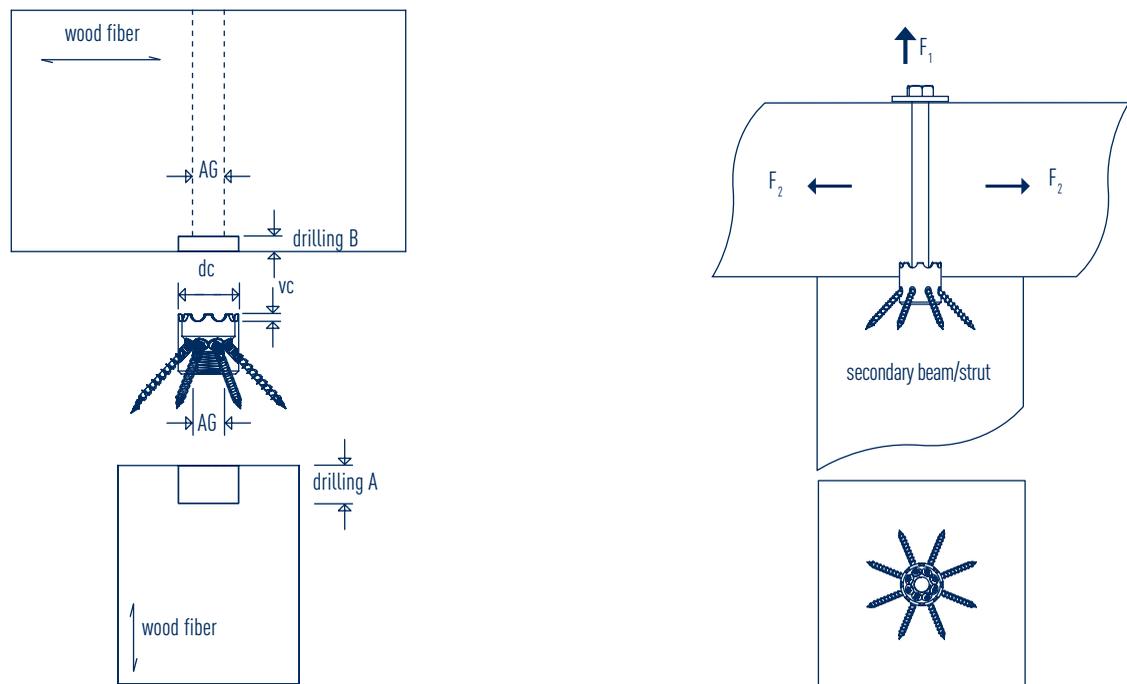
time-saving, practical, precise, complete accessories enclosed

ETA European Technical Approval with external monitoring issued

trustworthy, externally monitored values provide certainty regarding the processing and rule out quality fluctuations

calculation values

SIHGA® performs the calculation for you, just read the values



Dimensions	Measurement	Connection	Connection, tensile load		Connection, transverse		System screw	Anti-rotation lock	Secondary beam/strut	Characteristic values	
IdeFix® IF	dc	Thread	Hole [mm]		Hole [mm]		GoFix® HK	vc	Height/width	Tension F_1	Transverse F_2
Type	[mm]	AG	A	B	A	B	[mm]	[mm]	[mm]	[kN]	[kN]
304							5,0 x 40		100	17,00	10,10
306	30	M12	27	0	20	7	5,0 x 60	3	120	25,60	12,30
308							5,0 x 80		140	32,40	13,80
406							6,0 x 60		120	29,00	13,00
408	40	M16	35	0	25	10	6,0 x 80	5	160	37,90	18,80
410							6,0 x 100		180	45,60	20,50
509	50	M20	45	0	30	15	8,0 x 90	5	160	56,00	20,50

*For multiple joints, the drill hole B is increased by the anti-twist protection vc.
Characteristic values for dimensioning according to EC 5 | Characteristic values for strength class C24 (pk 350 kg/m³)



SIHGA® TIP:

For drilling by hand, we recommend the IdeFix® drill gauge IBL with drill (page 135).

SIHGA® - Feature

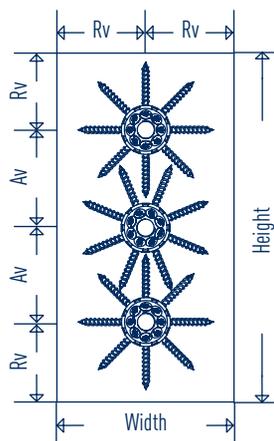
YOUR- Benefit

ETA European Technical Approval with external monitoring issued

trustworthy, externally monitored values provide certainty regarding the processing and rule out quality fluctuations

calculation values

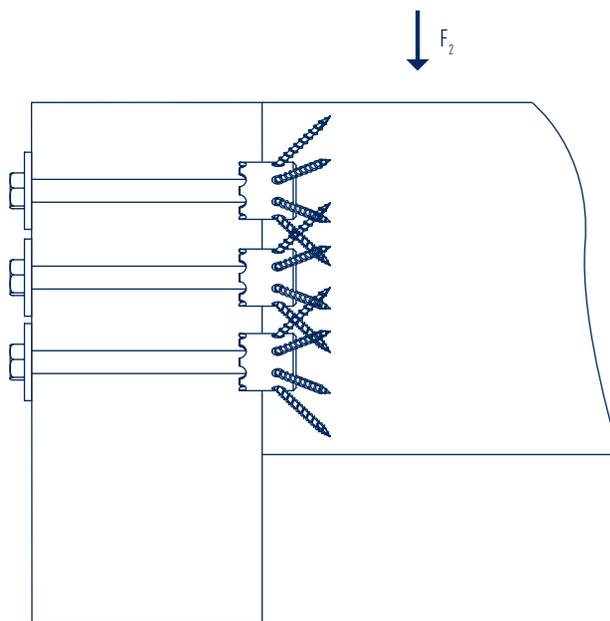
SIHGA® performs the calculation for you, just read the values



Edge and axial distances

IdeFix® IF

Type	Rv	Av
304	50	50
406	60	60
509	80	80



SIHGA®		IdeFix®	Secondary beam		Quantity	Characteristic values
Art. No.	PU	Type	Width [mm]	Height [mm]	Connector Pices	Shear load F_2 [kN]
28806	24	304	100	150	2	20,20
28826	12	406	120	180	2	26,00
28846	6	509	160	240	2	41,00
28806	24	304	100	200	3	30,30
28826	12	406	120	240	3	39,00
28846	6	509	160	320	3	61,50
28806	24	304	100	250	4	40,40
28826	12	406	120	300	4	52,00
28846	6	509	160	400	4	82,00
28806	24	304	100	300	5	50,50
28826	12	406	120	360	5	65,00
28846	6	509	160	480	5	102,50

Characteristic values for dimensioning according to EC 5 | Characteristic values for strength class C24 (ρ_k 350 kg/m³)



SIHGA® TIP:

For multiple drilling by hand, we recommend the IdeFix® drill template IBS with drill (page 135).

SIHGA® - Feature

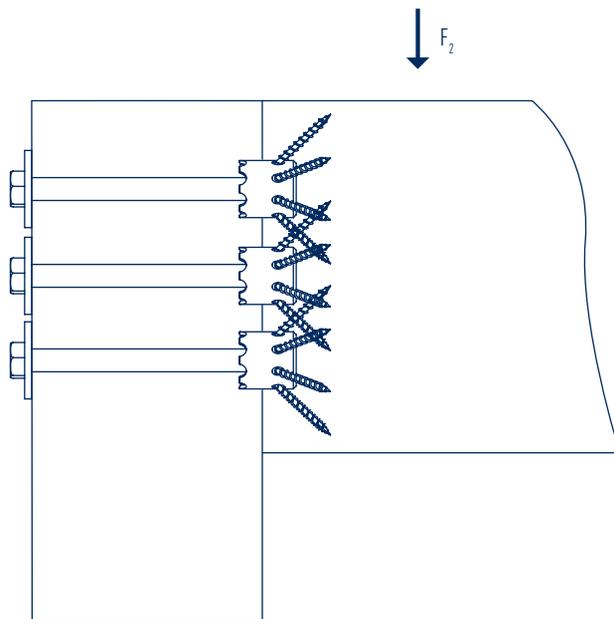
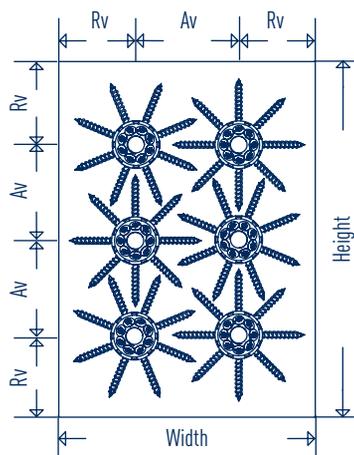
YOUR- Benefit

ETA European Technical Approval with external monitoring issued

trustworthy, externally monitored values provide certainty regarding the processing and rule out quality fluctuations

calculation values

SIHGA® performs the calculation for you, just read the values



Edge and axial distances

IdeFix® IF

Type	Rv	Av
304	50	50
406	60	60
509	80	80

SIHGA® montagepack		IdeFix® IF	Secondary beam		Quantity	Characteristic values
Art. No.	PU	Type	Width [mm]	Height [mm]	Connector pcs.	Shear load F_2 [kN]
28806	24	304	150	150	4	40,40
28826	12	406	180	180	4	52,00
28846	6	509	240	240	4	82,00
28806	24	304	150	200	6	60,60
28826	12	406	180	240	6	78,00
28846	6	509	240	320	6	123,00
28806	24	304	150	250	8	80,80
28826	12	406	180	300	8	104,00
28846	6	509	240	400	8	164,00
28806	24	304	150	300	10	101,00
28826	12	406	180	360	10	130,00
28846	6	509	240	480	10	205,00

Characteristic values for dimensioning according to EC 5 | Characteristic values for strength class C24 (pk 350 kg/m³)

IdeFix[®] IF Systemkoffer SI

SIHGA[®] - Feature

for all IdeFix[®] IF

contains 1 IdeFix[®] drill gauge IBL, 1 IdeFix[®] drill IB, 1 IdeFix[®] drill template IBS, all GoFix[®] fastening screws, allen key

includes SIHGAFIX[®], Systemstift[®] and installation instructions

YOUR- Benefit

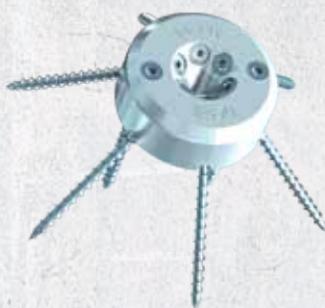
the professional installation aid, simplifies construction processes and saves time

everything is professionally and rationally protected and packed in a case

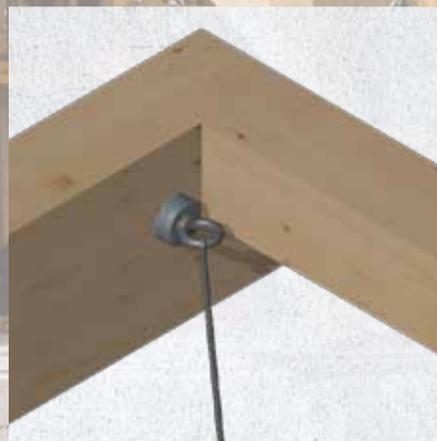
time-saving, practical, precise, complete accessories enclosed



IdeFix® IFS



IdeFix® IFS with special
SC 6® coating



SIHGA® - Feature

YOUR- Benefit

for heavy-load connections perpendicular to the grain

the usual, complicated drilling, grooving or special production of steel parts can be omitted

three-dimensional load attachment through geometry and 45° screw connection with integrated transverse strengthening

the range of applications in wood construction is almost unlimited, even for applications where usual wood screws are not sufficient

for fastening wind bracing, , anchors against high wind loads and mountings of various kinds

IdeFix® is the simple, secure solution

SC 6® coating

significantly increased corrosion protection compared to usual galvanisation, paintable and "self-healing effect" in the event of damage

includes SIHGAFIX®, GoFix® HK screws and installation instructions

Time-saving, practical, precise, complete accessories enclosed

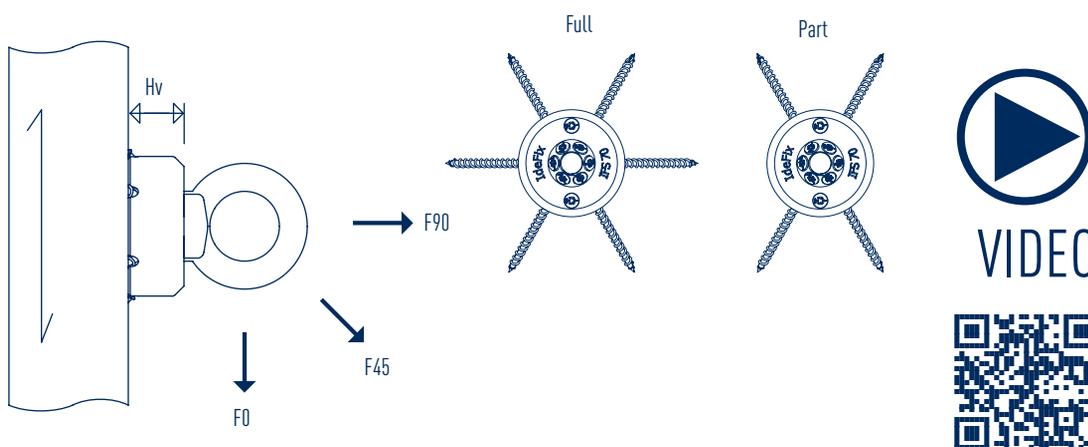
ETA European Technical Approval with external monitoring issued

trustworthy, externally monitored values provide certainty regarding the processing and rule out quality fluctuations

calculation values

SIHGA® performs the calculation for you, just read the values

SIHGA® objektpack		IdeFix® IFS		Wood dimensions		Angle to grain	Characteristic values [kN]	
Art. No.	PU	Type	Hv	Height [mm]	Width [mm]	[Degrees]	Full Screw pattern	Part
29046	6	710	28	80	110	F 0°	-	5,66
29046	6	710	28	80	180		8,50	-
29046	6	710	28	80	110		-	7,90
29046	6	710	28	80	180	F 45°	11,40	-
29046	6	710	28	80	110		-	17,00
29046	6	710	28	80	180	F 90°	25,50	-



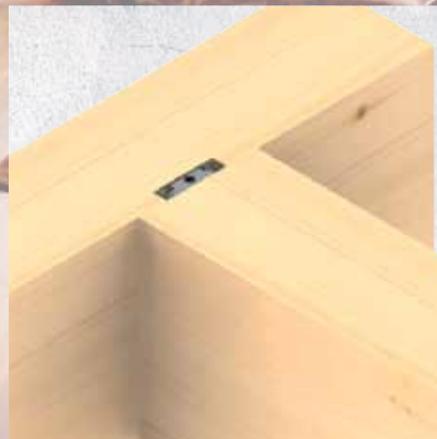
SIHGA® TIP:

If required, order the high-strength, tested ring screw now.

HobaFix® HF



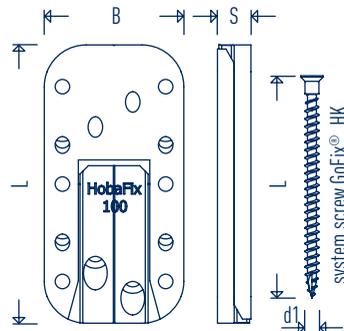
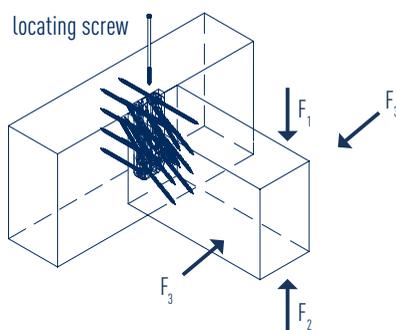
HobaFix® HF
made from aluminium



SIHGA® - Feature

YOUR- Benefit

knot connection from two identical parts	can be fully pre-made without confusion
made, developed and patented in Austria	local quality and added-value
statically high loadable in four directions, per connection up to 43 kN	horizontally and vertically, with high tested static values, can be used irrespective of the grain direction
mounting connection with Hoba coupling	great advantage during installation, allows smooth insertion of the two components
including fixing screw for securing	prevents inadvertent loosening of the connector
visible and invisible installation	only one model for the entire range, with shadow groove or invisible installation
made from aluminium monitored	permanent, shape-stable quality, rust-free
includes SIHGAFIX®, all fastening and fixing screws, Systemstift®, installation instructions	time-saving, practical, precise, complete accessories enclosed
calculation values	simply select model, each knot connection comprises two HobaFix® HF
ETA European Technical Approval with external monitoring issued	trustworthy, externally monitored values provide certainty regarding the processing and rule out quality fluctuations
HFA test seal, externally monitored	Holzforschung Austria also confirms and monitors these high values



VIDEO



SIHGA® montagepack	Dimensions					Secondary beam		Characteristic values		
	PU	HobaFix® HF Type (L)	B	S	GoFix® HK d1 x L	Height [mm]	Width [mm]	Load direction [kN]		
Art. No.								F ₁	F ₂	F ₃
30036	20*	70	30	9	4,0 x 60	80	50	6,80	2,04	4,40
30056	20*	100	50	12	50 x 80	115	80	17,40	8,56	10,60
30076	20*	135	50	12	50 x 80	150	80	26,70	8,56	15,00
30096	20*	170	50	12	50 x 80	185	80	33,40	8,56	16,00
30116	12*	200	70	17	6,0 x 100	220	100	43,00	19,15	22,70

Characteristic values for dimensioning according to EC 5 | Characteristic values for strength class pk 350 kg/m³
*equal to 10 respectively 6 connections



SIHGA® TIP:

For easier dimensioning use our HT-NT Tool on www.sihga.com.

HobaFix[®] HF Systemkoffer SH

SIHGA[®] - Feature

for all HobaFix[®] HF models

contains 1 HobaFix[®] milling installation template HFFM, 1 HobaFix[®] milling tool with stop ring HFF and fastening screws, allen key and Systemstift[®]

YOUR- Benefit

the professional installation aid simplifies construction processes and saves time, milling and installation templates and the HobaFix[®] HF with all accessories are practically, fully and portably combined

for the rational and precise installation of knot connections



HobaFix® HFM

SIHGA® - Feature

YOUR- Benefit

for wall connections, corner connections and partition walls

one connector for all applications when installing wall elements, precise and accurate

the installation connector for mounting

for rational and cost-effective positioning of wall elements, saves 80 % of working time

installation tolerance of 14 mm

the great advantage during installation, on site and in the factory: the high tolerance

elastic pre-tensioning

which is why HobaFix® HFM has a spring effect, a great help during installation

can be used for any wall thickness

the immediate angularity of the wall elements is achieved by guiding into the installation groove

fastened in the installation groove to the wall element, 30 mm wide and 17 mm deep

good view of the connector at all times during installation, important for fast and accurate mounting

made from very strong polyamide

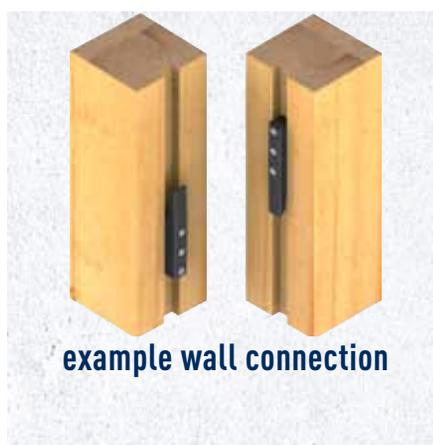
the HobaFix® HFM slides easily into the desired position - without abrasion

the static load per pair of connectors is characteristically 17.4 kN

this value is tested according to the externally monitored ETA for the enclosed 6 x GoFix® SK 6.0 x 70 mm per pair of connectors

includes SIHGAFIX®, all fastening screws, Systemstift®, installation instructions

time-saving, practical, precise, complete accessories enclosed



VIDEO



SIHGA® TIP:

We recommend two pair HobaFix® HFM per wall joint.

WabaFix[®] WF



WabaFix[®] WF
made from aluminium



SIHGA® - Feature

YOUR- Benefit

universal heavy-load connection up to 94.72 kN per fastening point

beam and wall connections, ceiling beams and various wood constructions are fastened easily with this

made, developed and patented in Austria

local quality and added-value

load attachment without risk of abrasion during installation

through the screw connection with GoFix® SB screws, transfers static load in four directions

for wall/beam connections, corner connections for wooden walls, partition wall fastening, wood cover fastening

WabaFix® can be loosened again later, particularly important for modular construction

fastening on concrete possible

also a great advantage for wall connections

made from aluminium monitored

permanent, shape-stable quality, rust-free

includes SIHGAFIX®, GoFix® screws and installation instructions

time-saving, practical, precise, complete accessories enclosed

calculation values

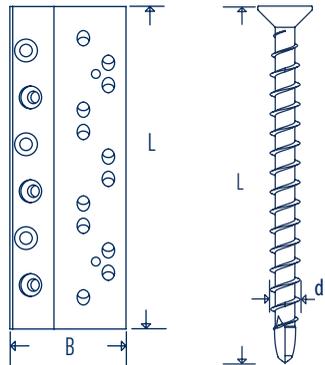
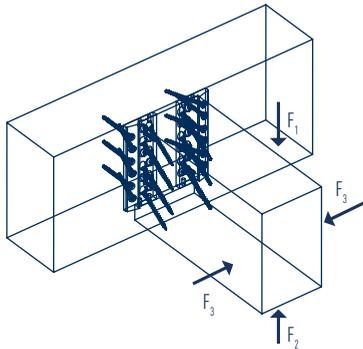
SIHGA® performs the calculation for you, just read the values

ETA European Technical Approval with external monitoring applied for

trustworthy, externally monitored values provide certainty regarding the processing and rule out quality fluctuations

Dimensions [mm]

Type	WabaFix® WF				GoFix® SB	
	L	W	S	S II	d ₁ x L	d ₁ x L
WF 210	210	79	12	17	8,0 x 95	8,0 x 125
WF 280	280	79	12	17	8,0 x 95	8,0 x 125



VIDEO



Art. No.	SIHGA® objektpack	WabaFix® Type	Secondary beam		Screw GoFix® SB	Characteristic values		
			Height [mm]	Width [mm]		Load direction [kN]		
PU					F ₁	F ₂	F ₃	
43146	6	210	250	100	8,0 x 95	54,72	32,28	32,28
43156	6	210	270	100	8,0 x 125	71,04	35,52	35,52
43206	4	280	320	100	8,0 x 95	72,96	43,04	43,04
43216	4	280	340	100	8,0 x 125	94,72	47,36	47,36

Characteristic values for dimensioning according to EC 5 | Characteristic values for strength class C24 (p_k 350 kg/m³)



SIHGA® TIP:

For installation, we recommend the WabaFix® installation panel, on concrete the BeziFix® anchor, (page 114).

Stabilix[®] C/H



Stabilix[®] C
for carports



Stabilix[®] H
for wood construction

SIHGA® - Feature

YOUR - Benefit

connector for rigidity

varied application, deformations are minimised:
particularly in use for carports (model C) and in
wood construction (model H)

made and developed in Austria

local quality and added-value

tested suitability

transfers both horizontal and vertical forces, as
well as torque in frame constructions from wind
and snow loads

simple installation

can be used without pre-drilling
Connector can be prefitted in the factory

space-saving connection

no disruptive braces for rigidity, low construction
height possible while maintaining the same access
height

includes SIHGAFIX®, GoFix® SB screws,
Systemstift® and installation instructions

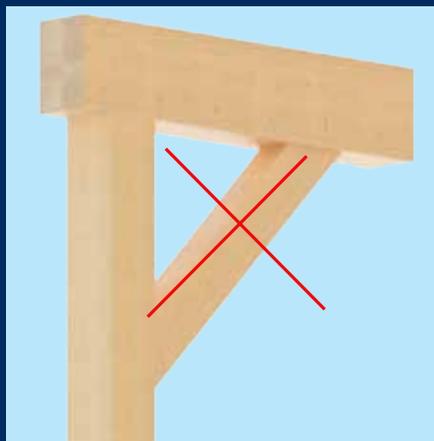
time-saving, practical, precise, complete
accessories enclosed

calculation values

SIHGA® performs the calculation for you

online calculation

www.sihga.com



VIDEO



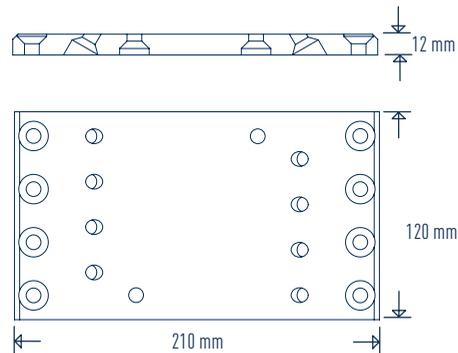
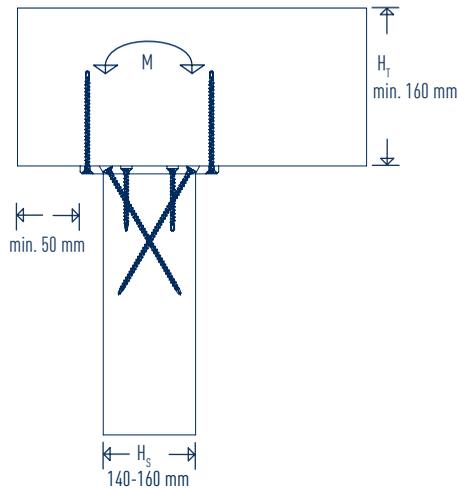
SIHGA® TIP:

2 connectors per connection variant available and combinable with IdeFix® (page 118, 130, 136).

Stabilix® C

Dimensions [mm]

Stabilix® Type	L [mm]	B [mm]	S [mm]
Stabilix® C	210	120	12



SIHGA® objektpack		Stabilix®	Column cross-section	Crossbeam		Load	Screw GoFix® SB	
Art. No.	PU	Type	W / H [mm]	min. Height [mm]	min. Width [mm]	M _p [kNm]	Column d, x L [mm]	Crossbeams [mm]
43406	2	C	140 - 160	160	140	5,0	8,0 x 220 and 8,0 x 95	8,0 x 155

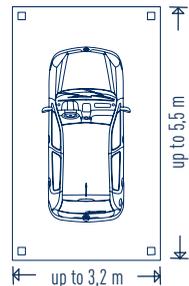
Design value for dimensioning according to EC 5 / for strength class C 24

Tables for possible areas of application

Single carport with saddle roof

Characteristic snow load s_k [kN/m²]

Ratio H_1 / H_s	Characteristic snow load s_k [kN/m ²]								
	1,0	1,8	2,6	3,4	4,2	5,0	5,8	6,6	
1,0	✓	✗	✗	✗	✗	✗	✗	✗	
1,5	✓	✓	✓	✓	✗	✗	✗	✗	
2,0	✓	✓	✓	✓	✓	✓	✓	✓	
2,5	✓	✓	✓	✓	✓	✓	✓	✓	
3,0	✓	✓	✓	✓	✓	✓	✓	✓	
3,5	✓	✓	✓	✓	✓	✓	✓	✓	



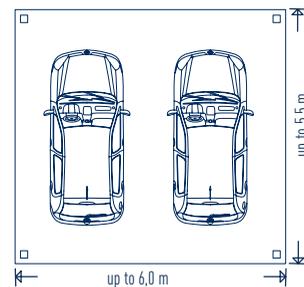
Carport open at all sides. Roof pitch 20°. Eaves height 2,5 m

Calculation based on dead weight of 30 kg/m² and wind pressure on the roof of qb,0 0,4 kN/m²

Double carport with flat roof

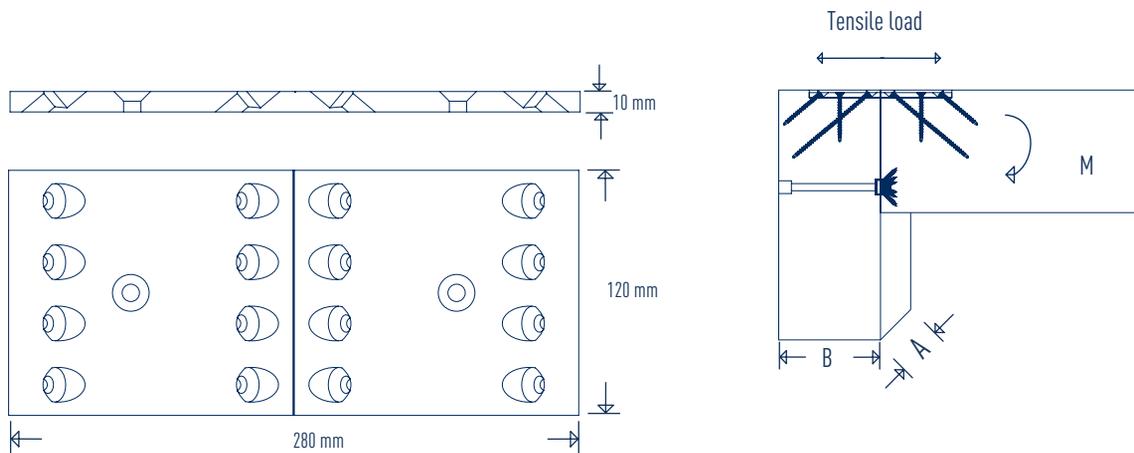
Characteristic snow load s_k [kN/m²]

Ratio H_1 / H_s	Characteristic snow load s_k [kN/m ²]							
	1,0	1,4	1,8	2,2	2,6	3,0	3,4	
2,0	✓	✗	✗	✗	✗	✗	✗	
2,5	✓	✓	✓	✓	✗	✗	✗	
3,0	✓	✓	✓	✓	✓	✓	✓	
3,5	✓	✓	✓	✓	✓	✓	✓	



Carport open at all sides. Eaves height 2,5 m
Calculation based on dead weight of 30 kg/m²

Stabilix[®] H



SIHGA [®]		Stabilix [®]		Column		Beam		Angle	char. Value	Screw GoFix [®] SB
objektpack	PU	Type	A	B	min. Width	min. Height	Beam	Tensile load	Dimensions	
Art. No.			[mm]	[mm]	[mm]	[mm]	[°]	[KN]	d ₁ x L [mm]	
43436	2	H	140	200	140	240	0	51,34	8,0 x 95 and 8,0 x 195	
43436	2	H	140	200	140	240	20	42,68	8,0 x 95 and 8,0 x 195	
43446	2	H	140	280	140	240	0	70,36	8,0 x 95 and 8,0 x 195	
43446	2	H	140	280	140	240	20	58,50	8,0 x 95 and 8,0 x 195	

Characteristic values for dimensioning according to EC 5 | Characteristic values for strength class C24 [ρ_k 350 kg/m³]



Stegsan® RV and BA



Stegsan® RV
for posts and stakes



Stegsan® BA
for beams to posts

SIHGA® - Feature

YOUR- Benefit

walkway renovation system for wooden posts, stakes (Stegsan® RV)

the defective piece of wood between the water and air is simply replaced; large cost-savings compared to a complete replacement of the wooden stake or post

walkway renovation system for beams (Stegsan® BA) to wooden posts, stakes

the beam is permanently, quickly, securely and easily connected to the wooden post, stakes

made, developed and patented in Austria

local quality and added-value

special coupling system for pre-installation in the factory

saves lots of time - the new piece of wood is attached on site with a simple rotation

angled screw connection in end-grain wood

transfers high forces, especially for loads on the walkway from boats or waves

anti-rotation lock enclosed

the anti-rotation lock against unintended loosening is easily screwed on on site

includes SIHGAFIX® rust-free, GoFix® HKE stainless steel screws rust-free and installation instructions

time-saving, practical, precise, all accessories enclosed; SIHGAFIX® rust-free, also screws into deep grooves

made from aluminium

for permanent fastening, even under water

can be removed at any time

can always be reused



VIDEO



SIHGA - Feature

YOUR- Benefit

Calculation values

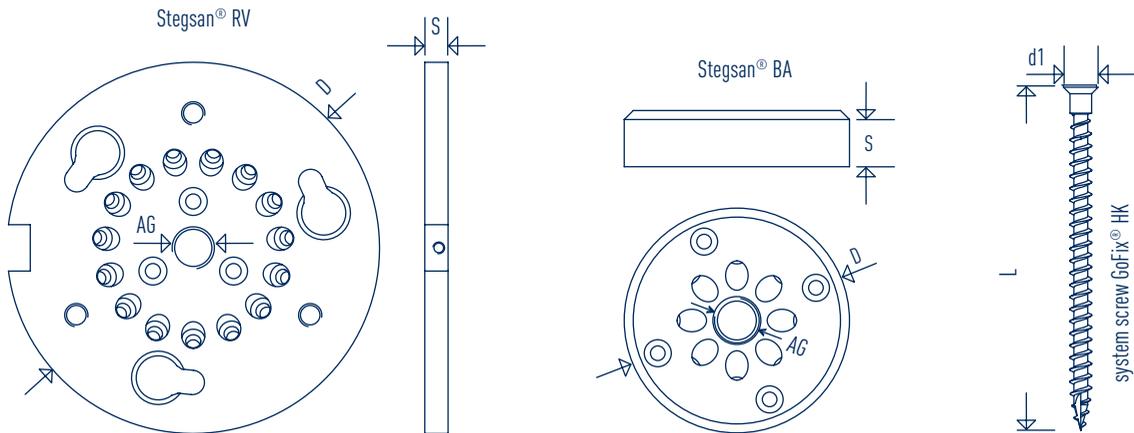
SIHGA® performs the calculation for you

tested security

product security through constant reviews in practice and in the laboratory

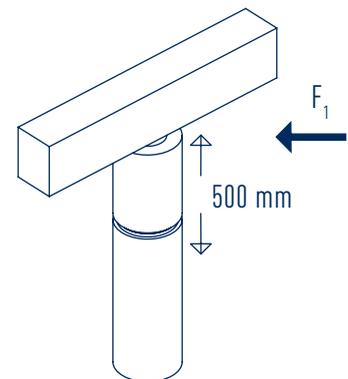
enclosed anti-twist protection (Stegsan® VS)

anti-twist protection against unintended loosening is laterally mounted on-site



SIHGA®		Stegsan®			Stake/post	Screw	Characteristic values	
montagepack	Dimensions	D	S	AG	min. Ø	GoFix® HKE	Load direction	
Art. No.	PU	Type	[mm]	[mm]	[mm]	d ₁ x L	F1 [KN]	
30266	8	RV	160	10	16	160	6,0 x 60	2,20

SIHGA®		Stegsan®			Screw	
montagepack	Dimensions	D	S	AG	GoFix® HKE	
Art. No.	PU	Type	[mm]	[mm]	d ₁ x L	
30286	2	BA	100	25	20	6,0 x 60



SIHGA® TIP:

Stegsan®, the easy, quick and reliable method for renovating lake walkways or jetties; the environment is protected as much as possible, planning permission is made easier.

SIHGA[®] Imprint/ Photo references

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SIHGA[®] products are subject to constant development, we reserve the right to technical changes and modifications of our product line.

The technical data provided in this catalogue are provided to assist the authorized user to choose the appropriate fastener. It does not release the user from his responsibility to choose the right product and to check the actual conditions.

Please take note of the state of the art technology, building regulations and relevant safety regulations in force in planning and application of our products

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2. Our offers, price lists and cost estimates are non-binding. All orders and agreements, as well as commitments made by representatives, require our written confirmation in each case in order to be valid. Our technical details and descriptions of the delivered object are non-binding and are only approximations.
3. Our prices are ex works in 4694 Ohlsdorf near Gmunden. The respective VAT shall be added to the prices usually offered and stated without VAT. The packaging is not collected.
4. All delivery (performance) dates and delivery (performance) deadlines are approximate. Claims for compensation by the ordering party due to late delivery/performance or non-performance are excluded. Partial services already provided must be accepted and paid for by the ordering party. Partial deliveries (performance) and interim invoices are permitted, whereby payments must be made by the ordering party according to the specified payment conditions. If an extension set for us by the ordering party is not observed without our being at fault, the ordering party's right of withdrawal is excluded. It can withdraw from the contract no earlier than two months after the original delivery date is missed.
5. Our goods are shipped from our works in 4694 Ohlsdorf near Gmunden at the ordering party's risk, even if the freight and other costs are charged to us. Risk shall transfer to the ordering party under transfer of the goods to the forwarder etc... The goods are only insured by us against transport damage upon written instruction from the ordering party and at its cost. Unless agreed otherwise in individual cases, within Austria our deliveries are made carriage free. If the ordering party does not accept the goods, after setting a 14-day period we can withdraw from the contract and/or demand compensation due to non-performance. We reserve the right either to demand 25 percent of the agreed order total without proof of damages or reimbursement of the actual damages incurred. The return of goods by the ordering party requires our written consent and is at the ordering party's costs and risk. The delivery note number and/or invoice number must be cited with each return.
6. For all demands by the ordering party against us, it is entitled to default interest only to a maximum of 3% above the ECB base rate.
7. Our invoices are payable within 10 days from date of invoice without deduction. Other terms and discount agreements are noted separately. Only prompt payment in full in cash justifies deduction of a discount. If payment by instalment is agreed, default shall occur if the payment of just one instalment is late. All our outstanding receivables shall then become due in full. The ordering party is not entitled to withhold payments for any reason or to declare offsetting against our receivables. Insofar as the ordering party, in the case of a delivery or performance, reserves the right of retention in respect of our fee, this is limited in any case to the amount of the capital required to cover reasonable costs of improvement.
8. To the exclusion of all claims, the ordering party, who is not a consumer as defined in KSchG, shall immediately inspect the delivered goods or work and services performed after receipt of the delivery or notification of completion by us and shall immediately report identified defects in detail to us by registered letter. Defects identified subsequently must also be reported to us in writing immediately after their discovery. For consumers as defined in KSchG, the warranty period for moveable objects is one year from delivery, otherwise six months. The burden of proof that a defect, for which we are responsible, was identified upon delivery shall lie with the customer. At our discretion we can fulfil warranty claims such that the defect is repaired or replaced with defect-free goods, or we can grant a reasonable price reduction, in particular if we believe a repair would be possible only with unreasonably high costs for us. With regard to the suitability of the delivered goods, we only guarantee that they can be used as defined in our conditions and provisions. Such properties are only deemed to be guaranteed if they have been expressly guaranteed in writing. Customary and/or production-related deviations in terms of dimension, equipment, material and similar shall not be grounds for complaint. Changes to our goods by the ordering party or its people shall lead to the full exclusion of our liability. Our liability for damage caused as a result of material used by the ordering party, is excluded.

9. The delivered goods shall remain our property until full payment of the purchase price and all our receivables deriving from the business relationship with the ordering party, including secondary claims. If the ordering party defaults on its payment obligations toward us or if it breaches one of the duties based on the agreed retention of title, the entire receivable shall become immediately payable. We also reserve the right to demand the return of the objects belonging to us, also without withdrawing from the contract, and to collect them from the ordering party, whereby the ordering party shall waive the assertion of a right of retention.

10. In the case of a resale of SIHGA® products by the ordering party, this is only permitted with the original name. Moreover, the ordering party is not permitted to use our brands and/or product designations without our written consent.

11. All claims for compensation against us are excluded, even irrespective of the legal reason on which they are based, in particular also due to breach of contract when concluding the contract, but also according to the conditions of the Product Liability Act for personal, material and pecuniary damages, which are suffered as a result of a fault in the goods, whereby above all claims for compensation due to consequential damages, such as loss of production or lost profits and the like are excluded in full, unless we are guilty of malice or gross negligence. Claims for compensation in any case shall exclusively include the basic costs for correcting the damages, but not consequential damages, lost profits or the like. All claims for compensation and any redress against us must be asserted in the courts within six months or otherwise shall expire.

12. The data required for order handling and accounting, such as name, address, order and booking data of the ordering party, is saved in our IT system. The saved data is only used by us within the framework of the statutory provisions.

13. Return or replacement of permanently ordered and delivered goods is not possible. If goods from the current delivery programme are nonetheless returned to us in undamaged original packaging, we have to charge a handling fee of at least 20% of the invoice amount.

14. All designs, plans and other documents created by us are our sole property and may not be used or provided to third parties by the ordering party.

15. If a consumer as defined in KSchG has not submitted its contractual declaration either in our company or on our exhibition stand, they can withdraw from their contract application or from the contract if they did not instigate the commercial connection to this transaction with us. This withdrawal can be declared in writing within one week. The period shall start issue of this document. We expressly refer to Section 3 Consumer Protection Act.

16. Place of jurisdiction for all disputed arising directly or indirectly from this delivery relationship is exclusively the materially competent court in 4600 Wels. Place of performance is 4694 Ohlsdorf near Gmunden. Austrian law shall apply exclusively to the contractual relationship, with the exception of the CISG, the application of which is excluded.

TAKE THE BEST



SIHGA® GmbH | Austria

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