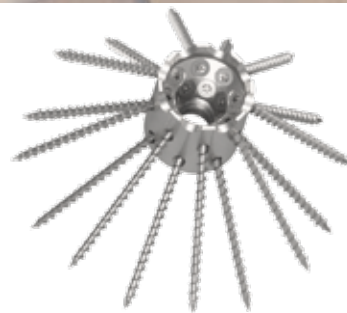


IdeFix® IF/IFD

SIHGA®



IdeFix® IFD

ETA-14/0160



SIHGA® Feature

YOUR Benefit

even in end-grain wood, IdeFix® IF transfers extremely high tensile and shearing (transverse) forces, up to 101.6 kN per fastening point

the heavy load connection with small space requirement and small axial 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® IF 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 presses into the wood being connected

can be re-tightened at any time through metric internal thread M 12, M 16, M 20

IdeFix® IF can be re-tightened when installed

installed invisibly

perfect look and high fire protection advantage

enables small edge and axial distances

allows the simple installation of multiple IdeFix® IF

modular construction, also for multiple use possible

connection can be loosened and fixed as often as required, ideal for seasonal (temporary) buildings

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

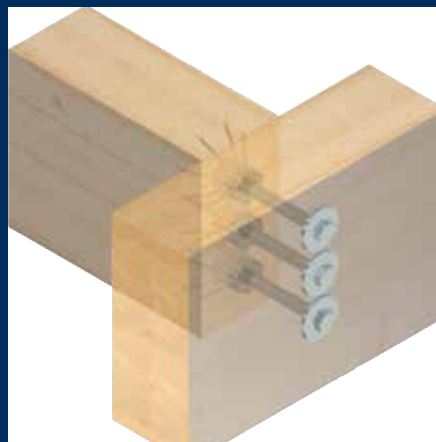
the wood being connected also has to be drilled; minimises the weakening of timber despite the pin attachment

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 major and simple security advantage, also with angled connections



SIHGA® TIP:

IdeFix® IFD for even higher tensile loads with double the number of screws.

ETA-14/0160



SIHGA® Feature

includes SIHGAFIX®, GoFix® HK screws and installation instructions

Permitted for service class 3 by using GoFix® HKE screws

design values

YOUR Benefit

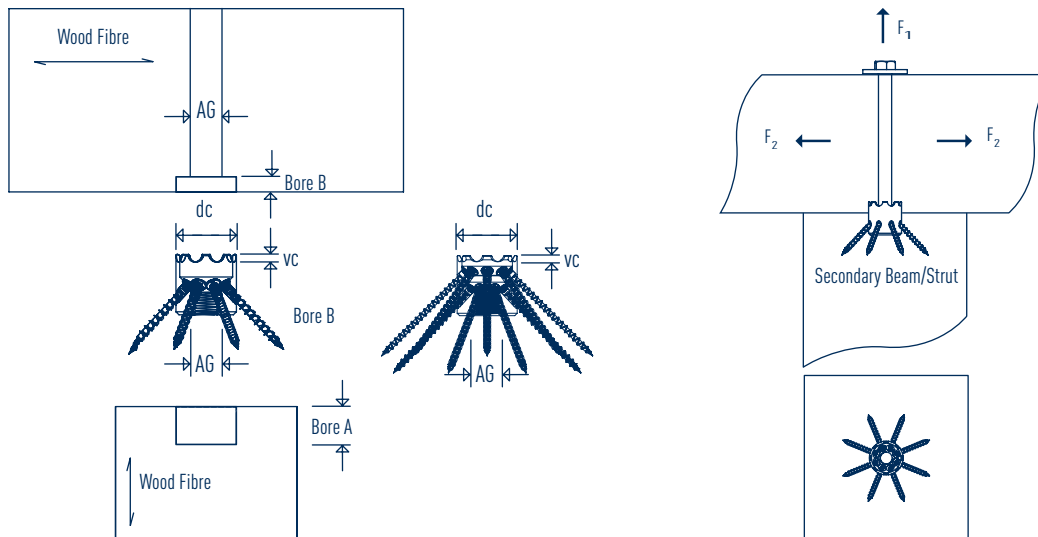
time-saving, practical, precise, complete accessories enclosed

Connections in outdoor areas are easy to manage

SIHGA® performs the calculation for you

Dimension	Dimension	Connection	Tensile Force Connection		Transverse Force Connection*		Locking Device
IdeFix® IF/IFD	dc	Thread	Bore [mm]		Bore [mm]		vc
Type	[mm]	AG	A	B	A	B	[mm]
304/306/308	30	M 12	27	0	20	7	3
406/408/410	40	M 16	35	0	25	10	5
509	50	M 20	45	0	30	15	5
508/510	50	M 20	45	0	35	10	5

* for multiple joints, the drill hole B is increased by the anti-twist protection vc



SIHGA® montagepack		Dimension	System Screw		Secondary Beam / Strut		Characteristic Values*	
Art. No.	PU	IdeFix® IF/IFD Type	GoFix® HK [mm]	Pieces Stk.	Edge / axis distance [mm]	Height/Width [mm]	Tensile F ₁ [kN]	Shear F ₂ ** [kN]
28806	24	IF 304	5,0 x 40	8	50	100	19,90	14,00
28866	24	IF 306	5,0 x 60	8	60	120	30,20	15,66
28816	24	IF 308	5,0 x 80	8	70	140	38,80	16,73
28826	12	IF 406	6,0 x 60	8	60	120	34,20	18,40
28886	12	IF 408	6,0 x 80	8	80	160	44,90	24,38
28836	12	IF 410	6,0 x 100	8	90	180	54,60	25,59
28846	6	IF 509	8,0 x 90	8	80	160	66,10	28,33
28856	6	IFD 508	6,0 x 80	16	80 / 160	160	85,00	28,33
28876	6	IFD 510	6,0 x 100	16	100 / 200	200	104,00	37,03

* characteristic values for design according to EC 5, utilisation class 1 - 2 and strength class C 24 (pk 350 kg/m³).

** characteristic values related to a single connector with minimum dimensions, load direction 0° to the fibre fh,0,k
The values refer exclusively to the IdeFix connection to wood. Screw bolts and washers must be verified separately.



SIHGA® TIP:

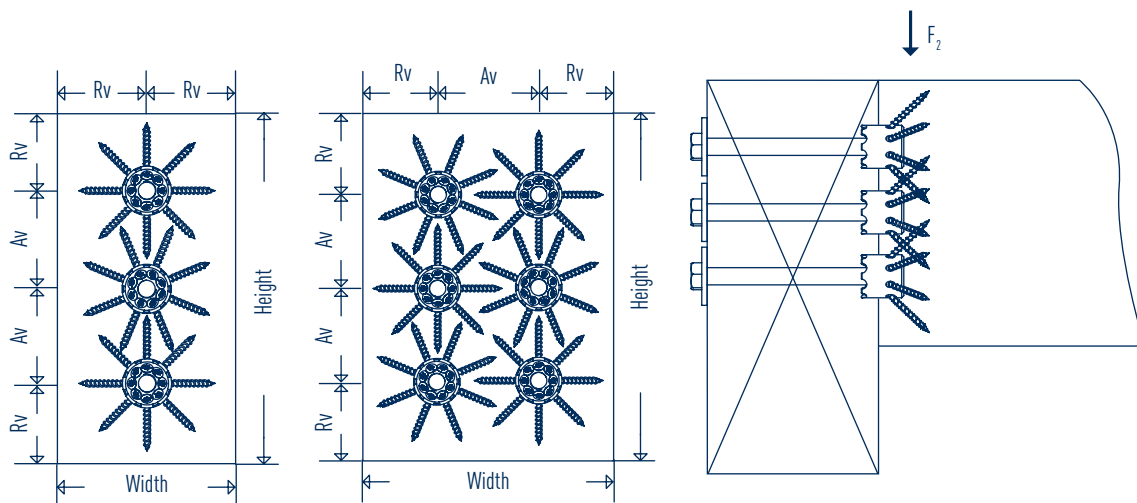
For drilling by hand, we recommend the IdeFix® Drill Gauge IBL with drill.

SIHGA® Feature

YOUR Benefit

design values

SIHGA® performs the calculation for you



Edge and Axial Distances

IdeFix® IF

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

SIHGA®	Type	Secondary Beam	Number	Characteristic Values*	Secondary Beam	Number	Characteristic Values*			
montagepack	IdeFix®	Width	Height	Connector	Transverse Force F_{\perp}	Width	Height	Connector	Transverse Force F_{\perp}	
Art. No.	PU	IF	[mm]	[mm]	Pieces	[kN]	[mm]	[mm]	Pieces	[kN]
28806	24	304	100	150	2	20,20	150	150	4	40,40
28826	12	406	120	180	2	26,00	180	180	4	52,00
28846	6	509	160	240	2	41,00	240	240	4	82,00
28806	24	304	100	200	3	30,30	150	200	6	60,60
28826	12	406	120	240	3	39,00	180	240	6	78,00
28846	6	509	160	320	3	61,50	240	320	6	123,00
28806	24	304	100	250	4	40,40	150	250	8	80,80
28826	12	406	120	300	4	52,00	180	300	8	104,00
28846	6	509	160	400	4	82,00	240	400	8	164,00
28806	24	304	100	300	5	50,50	150	300	10	101,00
28826	12	406	120	360	5	65,00	180	360	10	130,00
28846	6	509	160	480	5	102,50	240	480	10	205,00

* characteristic values for dimensioning according to EC 5 and strength class C 24 (ρ_k 350 kg/m³)
The values refer exclusively to the IdeFix connection to wood. Screw bolts and washers must be verified separately.



SIHGA® TIP:

For multiple drilling by hand, we recommend the IdeFix® Drill Template IBS with drill. Always drill through holes for the threaded screws from the IdeFix® side.

System Kit IdeFix® IF HMB

SIHGA® Feature

for all IdeFix® IF and IFD (excluding IFD 510)

contains 1 IdeFix® Drill Gauge IBG, 1 IdeFix® Drill IB HMB, 1 IdeFix® Drill Template IBS, all GoFix® fastening screws, Allen key

including Systemstift® and installation instructions

YOUR Benefit

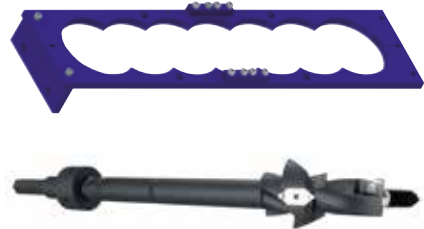
the professional installation aid, simplifies construction processes and saves time

everything is professionally and rationally protected and packed in a case

time-saving, practical, precise, complete accessories enclosed



IdeFix® Drill Gauge IBG



IdeFix® Drill Template IBS
IdeFix® Drill IB HMB

IdeFix[®] Drill IB HMB

SIHGA[®] Feature

IdeFix[®] Drills IB HMB made of high-quality steel with exchangeable hard metal cutting inserts

IdeFix[®] Drills IB HMB with optimised geometry and thread tip

YOUR Benefit

for permanent use of the drill without downtime for re-sharpening

independent feeding and centring of the drill without effort at different fibre directions

