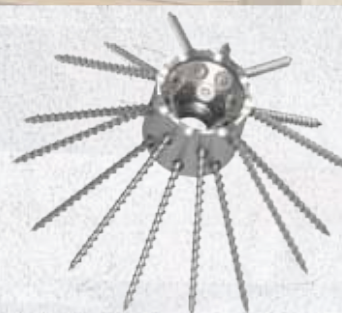


# IdeFix® IF/IFD

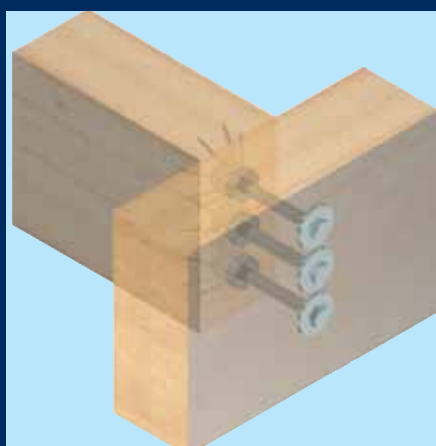


IdeFix® IFD

## SIHGA® Feature

## YOUR Advantage

even in end-grain wood, IdeFix® 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® 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 M12, M16, M20	IdeFix® 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®
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



VIDEO



### SIHGA® TIP:

Innovation 2017: IdeFix® IFD for even higher tensile loads with double the number of screws.

## SIHGA® Feature

## YOUR Advantage

includes SIHGAFIX®, GoFix® HK screws and installation instructions

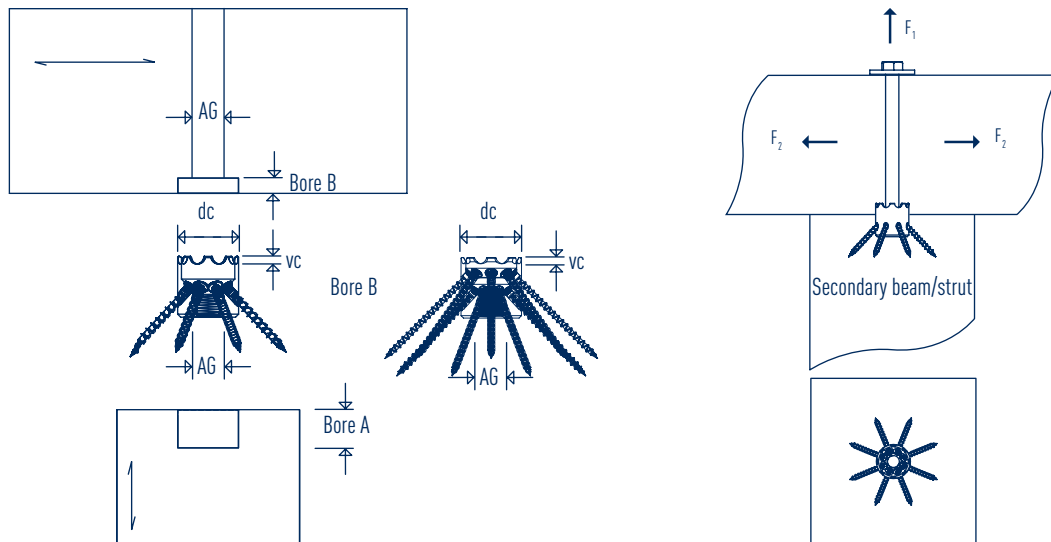
time-saving, practical, precise, complete accessories enclosed

calculation values

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	M12	27	0	20	7	3
406/408/410	40	M16	35	0	25	10	5
509	50	M20	45	0	30	15	5
508/510	50	M20	45	0	35	10	5

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



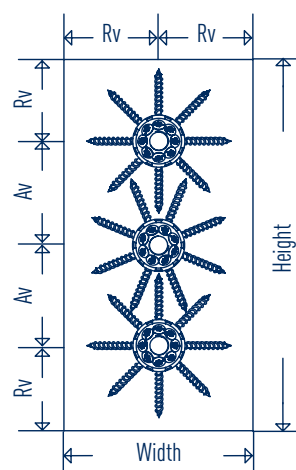
SIHGA® montagepack		Dimension IdeFix® IF/IFD		System screw GoFix® HK		Secondary beam / strut Height / width [mm]	Characteristic values	
Art. no.	PU	Type	[mm]	Quantity Pieces			Tensile $F_1$ [kN]	Shear $F_2$ [kN]
28806	24	IF	304	5,0 x 40	8	100	17,00	10,10
28866	24	IF	306	5,0 x 60	8	120	25,60	12,30
28816	24	IF	308	5,0 x 80	8	140	32,40	13,80
28826	12	IF	406	6,0 x 60	8	120	29,00	13,00
28886	12	IF	408	6,0 x 80	8	160	37,90	18,80
28836	12	IF	410	6,0 x 100	8	180	45,60	20,50
28846	6	IF	509	8,0 x 90	8	160	56,00	20,50
28856	6	IFD	508	6,0 x 80	16	160	79,04	20,50
28876	6	IFD	510	6,0 x 100	16	200	101,62	20,50

Characteristic values for dimensioning according to EC 5 and strength class C 24 (pk 350 kg/m³)



### SIHGA® TIP:

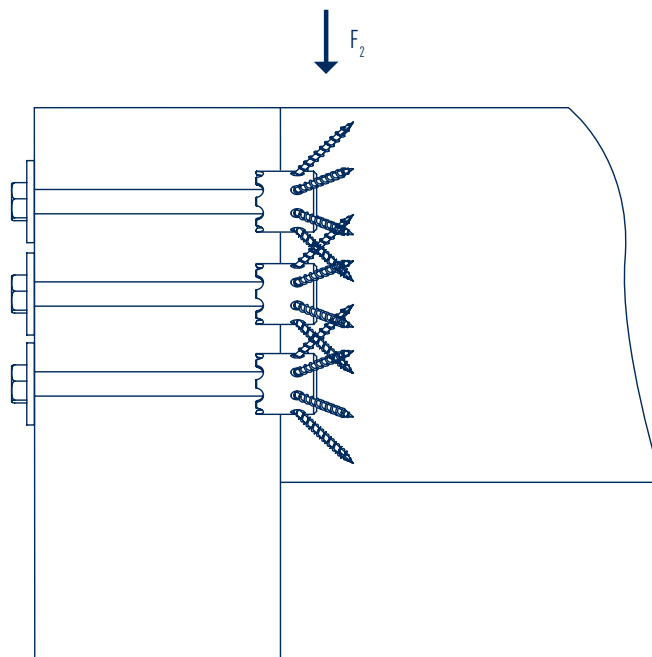
For drilling by hand, we recommend the IdeFix® drill gauge IBL with drill (page 137).



## 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 Pieces	Shear force $F_2$ [kN]
28806	24	<b>304</b>	100	150	2	20,20
28826	12	<b>406</b>	120	180	2	26,00
28846	6	<b>509</b>	160	240	2	41,00
28806	24	<b>304</b>	100	200	3	30,30
28826	12	<b>406</b>	120	240	3	39,00
28846	6	<b>509</b>	160	320	3	61,50
28806	24	<b>304</b>	100	250	4	40,40
28826	12	<b>406</b>	120	300	4	52,00
28846	6	<b>509</b>	160	400	4	82,00
28806	24	<b>304</b>	100	300	5	50,50
28826	12	<b>406</b>	120	360	5	65,00
28846	6	<b>509</b>	160	480	5	102,50

Characteristic values for dimensioning according to EC 5 and strength class C 24 (pk 350 kg/m³)



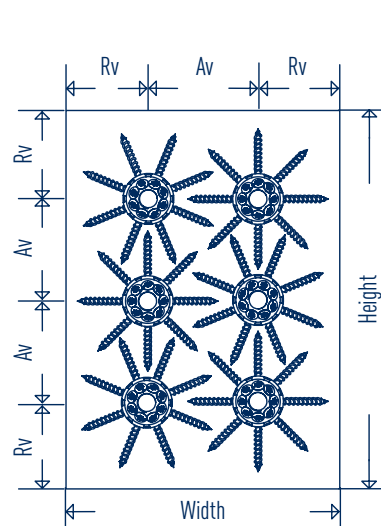
## SIHGA® TIP:

For multiple drilling by hand, we recommend the IdeFix® drill template IBS with drill (page 137).



calculation values

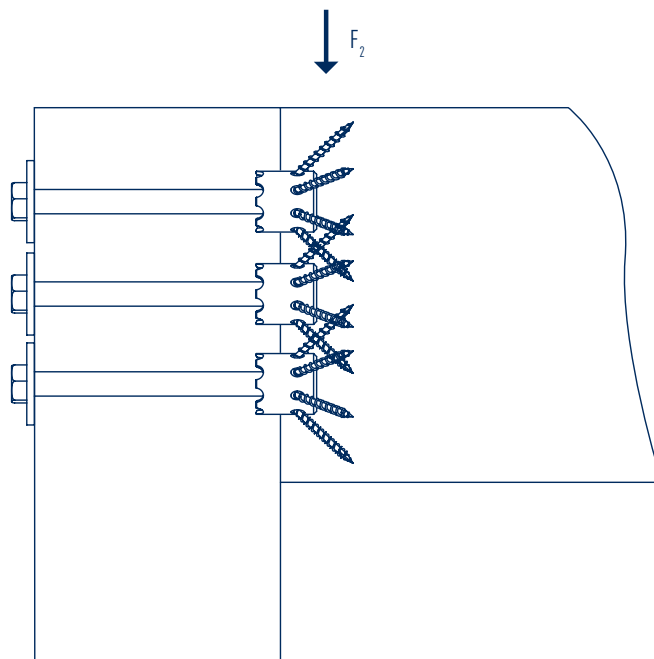
SIHGA® performs the calculation for you



## Edge and axial distances

IdeFix® IF

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



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

Characteristic values for dimensioning according to EC 5 and strength class C 24 (pk 350 kg/m³)

# IdeFix® Systemkoffer IF

## SIHGA® Feature

## YOUR Advantage

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

the professional installation aid, simplifies construction processes and saves time

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

everything is professionally and rationally protected and packed in a case

including SIHGAFIX®, Systemstift® and installation instructions

time-saving, practical, precise, complete accessories enclosed

