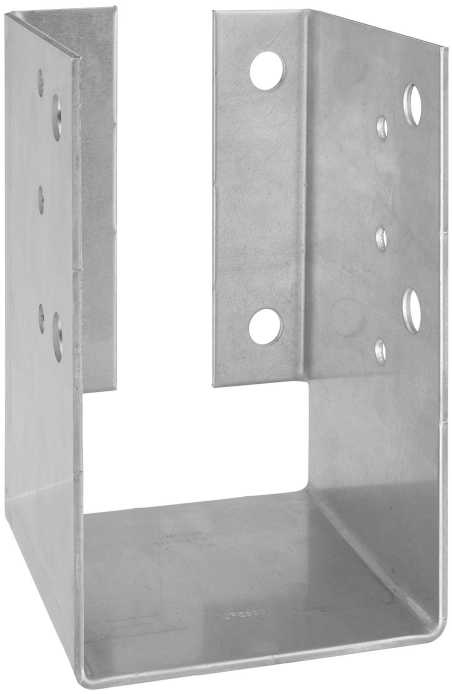
Technical Sheet

GBI
Joist hanger for glulam - internal flanges

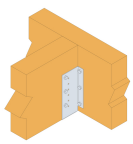
Joist Hangers especially developped for glulam application. It can be installed on timber or concrete support with bolts only and can be manufactured for large dimension of timber joist.

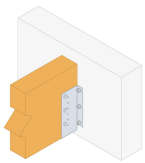












Features

Materiál

S250GD + Z275
4mm thick

Vorteile

- Fixing only with bolts.
- Large range of possibilities

Applications

Support

- Geringe Achs- und Randabstände.
- Rationelle und wirtschaftliche Montage: vormontierte Mutter und Unterlegscheibe.
- Verringerter Bohraufwand: Ø-Bohren = Ø-Gewinde.
- Angeformter Schlagzapfen am Dübelkopf verhindert Beschädigung des Gewindes bei der Montage.

Anwendungsbereich

Solid timber Joist
Glulam Joist

Technical Sheet

GBI

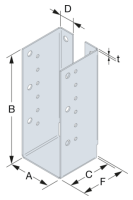
Joist hanger for glulam - internal flanges

Technical Data

Technical Sheet

GBI
Joist hanger for glulam - internal flanges





Rozměry a typické hodnoty

Reference	konektor rozměry													
	dřevo size[mm]				rozměry výrobku[mm]						Header otvory	nosník otvory		ostatní
	šířka		výška								kulatý	kulatý		
	Min[mm]	Max. [mm]	Min[mm]	Max. [mm]	A[mm]	B[mm]	C[mm]	d[mm]	F[mm]	tloušťka[mm]	Ø18	Ø11	Ø18	hmotnost[kg]
GBI600/138/4	136	138	251	346.5	138	231	145	54	155	4	4	6	4	3.3
GBI600/162/4	160	162	239	328.5	162	219	145	54	155	4	4	6	4	3.3
GBI600/186/4	184	186	227	310.5	186	207	145	54	155	4	4	6	4	3.3
GBI600/210/4	208	210	215	292.5	210	195	145	54	155	4	4	6	4	3.3
GBI750/138/4	136	138	326	459	138	306	145	54	155	4	4	8	4	4.3
GBI750/162/4	160	162	314	441	162	294	145	54	155	4	4	8	4	4.3
GBI750/186/4	184	186	302	423	186	282	145	54	155	4	4	8	4	4.3
GBI750/210/4	208	210	290	405	210	270	145	54	155	4	4	8	4	4.3
GBI900/138/4	136	138	401	571.5	138	381	145	54	155	4	6	12	6	5.2
GBI900/162/4	160	162	389	553.5	162	369	145	54	155	4	6	12	6	5.2
GBI900/186/4	184	186	377	535.5	186	357	145	54	155	4	6	12	6	5.2
GBI900/210/4	208	210	365	517.5	210	345	145	54	155	4	6	12	6	5.2
GBI1050/138/4	136	138	476	684	138	456	145	54	155	4	6	14	6	6.1
GBI1050/162/4	160	162	464	666	162	444	145	54	155	4	6	14	6	6.1
GBI1050/186/4	184	186	452	648	186	432	145	54	155	4	6	14	6	6.1
GBI1050/210/4	208	210	440	630	210	420	145	54	155	4	6	14	6	6.1
GBI1200/138/4	136	138	551	796.5	138	531	145	54	155	4	8	18	8	7
GBI1200/162/4	160	162	539	778.5	162	519	145	54	155	4	8	18	8	7
GBI1200/186/4	184	186	527	760.5	186	507	145	54	155	4	8	18	8	7
GBI1200/210/4	208	210	515	742.5	210	495	145	54	155	4	8	18	8	7
GBI1350/138/4	136	138	626	909	138	606	145	54	155	4	8	20	8	8
GBI1350/162/4	160	162	614	891	162	594	145	54	155	4	8	20	8	8
GBI1350/186/4	184	186	602	873	186	582	145	54	155	4	8	20	8	8
GBI1350/210/4	208	210	590	855	210	570	145	54	155	4	8	20	8	8
GBI1500/138/4	136	138	701	1021.5	138	681	145	54	155	4	10	24	10	8.9
GBI1500/162/4	160	162	689	1003.5	162	669	145	54	155	4	10	24	10	8.9
GBI1500/186/4	184	186	677	985.5	186	657	145	54	155	4	10	24	10	8.9
GBI1500/210/4	208	210	665	967.5	210	645	145	54	155	4	10	24	10	8.9
GBI600/120/4	118	120	260	346	120	240	145	54	155	4	4	6	4	3.3
GBI750/120/4	118	120	335	446	120	315	145	54	155	4	4	8	4	4.3
GBI900/120/4	118	120	410	546	120	390	145	54	155	4	6	12	6	5.2
GBI1050/120/4	118	120	485	646	120	465	145	54	155	4	6	14	6	6.1
GBI1200/120/4	118	120	560	746	120	540	145	54	155	4	8	18	8	7
GBI1350/120/4	118	120	635	846	120	615	145	54	155	4	8	20	8	8
GBI1500/120/4	118	120	710	946	120	690	145	54	155	4	10	24	10	8.9
GBI600/140/4	138	140	250	333	140	230	145	54	155	4	4	6	4	3.3
GBI750/140/4	138	140	325	433	140	305	145	54	155	4	4	8	4	4.3
GBI900/140/4	138	140	400	533	140	380	145	54	155	4	6	12	6	5.2
GBI1050/140/4	138	140	475	633	140	455	145	54	155	4	6	14	6	6.1
GBI1200/140/4	138	140	550	733	140	530	145	54	155	4	8	18	8	7

Technical Sheet

GBI

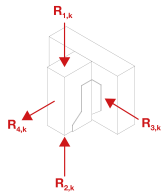
Joist hanger for glulam - internal flanges

Reference	konektor rozměry													
	dřevo size[mm]				rozměry výrobku[mm]						Header otvory	nosník otvory		ostatní
	šířka		výška								kulatý	kulatý		
	Min[mm]	Max. [mm]	Min[mm]	Max. [mm]	A[mm]	B[mm]	C[mm]	d[mm]	F[mm]	tloušťka[mm]	Ø18	Ø11	Ø18	hmotnost[kg]
GBI1350/140/4	138	140	625	833	140	605	145	54	155	4	8	20	8	8
GBI1500/140/4	138	140	700	933	140	680	145	54	155	4	10	24	10	8.9
GBI600/160/4	158	160	240	320	160	220	145	54	155	4	4	6	4	3.3
GBI750/160/4	158	160	315	420	160	295	145	54	155	4	4	8	4	4.3
GBI900/160/4	158	160	390	520	160	370	145	54	155	4	6	12	6	5.2
GBI1050/160/4	158	160	465	620	160	445	145	54	155	4	6	14	6	6.1
GBI1200/160/4	158	160	540	720	160	520	145	54	155	4	8	18	8	7
GBI1350/160/4	158	160	615	820	160	595	145	54	155	4	8	20	8	8
GBI1500/160/4	158	160	690	920	160	670	145	54	155	4	10	24	10	8.9
GBI600/180/4	178	180	230	306	180	210	145	54	155	4	4	6	4	3.3
GBI750/180/4	178	180	305	406	180	285	145	54	155	4	4	8	4	4.3
GBI900/180/4	178	180	380	506	180	360	145	54	155	4	6	12	6	5.2
GBI1050/180/4	178	180	455	606	180	435	145	54	155	4	6	14	6	6.1
GBI1200/180/4	178	180	530	706	180	510	145	54	155	4	8	18	8	7
GBI1350/180/4	178	180	605	806	180	585	145	54	155	4	8	20	8	8
GBI1500/180/4	178	180	680	906	180	660	145	54	155	4	10	24	10	8.9
GBI600/200/4	198	200	220	293	200	200	145	54	155	4	4	6	4	3.3
GBI750/200/4	198	200	295	393	200	275	145	54	155	4	4	8	4	4.3
GBI900/200/4	198	200	370	493	200	350	145	54	155	4	6	12	6	5.2
GBI1050/200/4	198	200	445	593	200	425	145	54	155	4	6	14	6	6.1
GBI1200/200/4	198	200	520	693	200	500	145	54	155	4	8	18	8	7
GBI1350/200/4	198	200	595	793	200	575	145	54	155	4	8	20	8	8
GBI1500/200/4	198	200	670	893	200	650	145	54	155	4	10	24	10	8.9
GBI600/220/4	218	220	210	280	220	190	145	54	155	4	4	6	4	3.3
GBI750/220/4	218	220	285	380	220	265	145	54	155	4	4	8	4	4.3
GBI900/220/4	218	220	360	480	220	340	145	54	155	4	6	12	6	5.2
GBI1050/220/4	218	220	435	580	220	415	145	54	155	4	6	14	6	6.1
GBI1200/220/4	218	220	510	680	220	490	145	54	155	4	8	18	8	7
GBI1350/220/4	218	220	585	780	220	565	145	54	155	4	8	20	8	8
GBI1500/220/4	218	220	660	880	220	640	145	54	155	4	10	24	10	8.9

Technical Sheet

GBI
Joist hanger for glulam - internal flanges





Charakteristické nosnosti - Dřevěný trám na dřevěný trám

Reference	Hanger únosnost					
	dřevo/dřevo fastening- charakteristické hodnoty in kn					
	počet of Fasteners		Characteristic capacities - dřevo CGL24[kN]			
	Header	nosník	$R_{2,k}$	$R_{1,k}$	R4,k	$R_{3,k}$
	množství	množství	Bolt Ø16 - Class 4.6	Bolt Ø16 - Class 4.6	Bolt Ø16 - Class 4.6	Bolt Ø16 - Class 4.6
GBI600/138/4	4.0	2.0	19.3	34.5	25.6	12.9
GBI600/162/4	4.0	2.0	19.3	34.5	25.6	12.9
GBI600/186/4	4.0	2.0	19.3	34.5	25.6	12.9
GBI600/210/4	4.0	2.0	19.3	34.5	25.6	12.9
GBI750/138/4	4.0	2.0	30.8	38.2	36.3	12.9
GBI750/162/4	4.0	2.0	30.8	38.2	36.3	12.9
GBI750/186/4	4.0	2.0	30.8	38.2	36.3	12.9
GBI750/210/4	4.0	2.0	30.8	38.2	36.3	12.9
GBI900/138/4	6.0	3.0	45.4	69.6	47	12.9
GBI900/162/4	6.0	3.0	45.4	69.6	47	12.9
GBI900/186/4	6.0	3.0	45.4	69.6	47	12.9
GBI900/210/4	6.0	3.0	45.4	69.6	47	12.9
GBI1050/138/4	6.0	3.0	53.7	69.6	57.7	12.9
GBI1050/162/4	6.0	3.0	53.7	69.6	57.7	12.9
GBI1050/186/4	6.0	3.0	53.7	69.6	57.7	12.9
GBI1050/210/4	6.0	3.0	53.7	69.6	57.7	12.9
GBI1200/138/4	8.0	4.0	72.8	92.8	68.4	12.9
GBI1200/162/4	8.0	4.0	72.8	92.8	68.4	12.9
GBI1200/186/4	8.0	4.0	72.8	92.8	68.4	12.9
GBI1200/210/4	8.0	4.0	72.8	92.8	68.4	12.9
GBI1350/138/4	8.0	4.0	79.4	92.8	79.1	12.9
GBI1350/162/4	8.0	4.0	79.4	92.8	79.1	12.9
GBI1350/186/4	8.0	4.0	79.4	92.8	79.1	12.9
GBI1350/210/4	8.0	4.0	79.4	92.8	79.1	12.9
GBI1500/138/4	10.0	5.0	101.1	116	89.9	12.9
GBI1500/162/4	10.0	5.0	101.1	116	89.9	12.9
GBI1500/186/4	10.0	5.0	101.1	116	89.9	12.9
GBI1500/210/4	10.0	5.0	101.1	116	89.9	12.9
GBI600/120/4	4.0	2.0	19.3	34.5	25.6	12.9
GBI750/120/4	4.0	2.0	30.8	38.2	36.3	12.9
GBI900/120/4	6.0	3.0	45.4	69.6	47	12.9
GBI1050/120/4	6.0	3.0	53.7	69.6	57.7	12.9
GBI1200/120/4	8.0	4.0	72.8	92.8	68.4	12.9
GBI1350/120/4	8.0	4.0	79.4	92.8	79.1	12.9
GBI1500/120/4	10.0	5.0	101.1	116	89.9	12.9
GBI600/140/4	4.0	2.0	19.3	34.5	25.6	12.9

The references presented in this table are only example, other dimensions can be manufactured and justify.
Bolt used in this case are Ø16 class 4.6 and 5.8
Header is 210mm thick

Technical Sheet

GBI

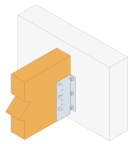
Joist hanger for glulam - internal flanges

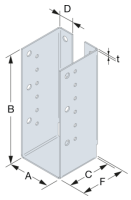
Reference	Hanger únosnost					
	dřevo/dřevo fastening- charakteristické hodnoty in kn					
	počet of Fasteners		Characteristic capacities - dřevo CGL24[kN]			
	Header	nosník	$R_{2,k}$	$R_{1,k}$	R4,k	$R_{3,k}$
	množství	množství	Bolt Ø16 - Class 4.6	Bolt Ø16 - Class 4.6	Bolt Ø16 - Class 4.6	Bolt Ø16 - Class 4.6
GBI750/140/4	4.0	2.0	30.8	38.2	36.3	12.9
GBI900/140/4	6.0	3.0	45.4	69.6	47	12.9
GBI1050/140/4	6.0	3.0	53.7	69.6	57.7	12.9
GBI1200/140/4	8.0	4.0	72.8	92.8	68.4	12.9
GBI1350/140/4	8.0	4.0	79.4	92.8	79.1	12.9
GBI1500/140/4	10.0	5.0	101.1	116	89.9	12.9
GBI600/160/4	4.0	2.0	19.3	34.5	25.6	12.9
GBI750/160/4	4.0	2.0	30.8	38.2	36.3	12.9
GBI900/160/4	6.0	3.0	45.4	69.6	47	12.9
GBI1050/160/4	6.0	3.0	53.7	69.6	57.7	12.9
GBI1200/160/4	8.0	4.0	72.8	92.8	68.4	12.9
GBI1350/160/4	8.0	4.0	79.4	92.8	79.1	12.9
GBI1500/160/4	10.0	5.0	101.1	116	89.9	12.9
GBI600/180/4	4.0	2.0	19.3	34.5	25.6	12.9
GBI750/180/4	4.0	2.0	30.8	38.2	36.3	12.9
GBI900/180/4	6.0	3.0	45.4	69.6	47	12.9
GBI1050/180/4	6.0	3.0	53.7	69.6	57.7	12.9
GBI1200/180/4	8.0	4.0	72.8	92.8	68.4	12.9
GBI1350/180/4	8.0	4.0	79.4	92.8	79.1	12.9
GBI1500/180/4	10.0	5.0	101.1	116	89.9	12.9
GBI600/200/4	4.0	2.0	19.3	34.5	25.6	12.9
GBI750/200/4	4.0	2.0	30.8	38.2	36.3	12.9
GBI900/200/4	6.0	3.0	45.4	69.6	47	12.9
GBI1050/200/4	6.0	3.0	53.7	69.6	57.7	12.9
GBI1200/200/4	8.0	4.0	72.8	92.8	68.4	12.9
GBI1350/200/4	8.0	4.0	79.4	92.8	79.1	12.9
GBI1500/200/4	10.0	5.0	101.1	116	89.9	12.9
GBI600/220/4	4.0	2.0	19.3	34.5	25.6	12.9
GBI750/220/4	4.0	2.0	30.8	38.2	36.3	12.9
GBI900/220/4	6.0	3.0	45.4	69.6	47	12.9
GBI1050/220/4	6.0	3.0	53.7	69.6	57.7	12.9
GBI1200/220/4	8.0	4.0	72.8	92.8	68.4	12.9
GBI1350/220/4	8.0	4.0	79.4	92.8	79.1	12.9
GBI1500/220/4	10.0	5.0	101.1	116	89.9	12.9

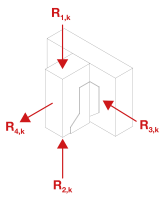
The references presented in this table are only example, other dimensions can be manufactured and justify.
Bolt used in this case are Ø16 class 4.6 and 5.8
Header is 210mm thick

Technical Sheet

GBI
Joist hanger for glulam - internal flanges







Nosnosti - dřevo na beton

Reference	Hanger únosnost							
	výrobek capacities - dřevo to beton or ocel							
	počet of Fasteners				Characteristic capacities - dřevo CGL24[kN]			
	Header		nosník		R1,k	R2,k	R3,k	R4,k
	množství	typ	množství	typ	Bolt Ø16 - Class 4.6	Bolt Ø16 - Class 4.6	Bolt Ø16 - Class 4.6	Bolt Ø16 - Class 4.6
GBI600/138/4	4.0	Ø16*	2.0	Ø16**	34.5	19.3	12.9	25.6
GBI600/162/4	4.0	Ø16*	2.0	Ø16**	34.5	19.3	12.9	25.6
GBI600/186/4	4.0	Ø16*	2.0	Ø16**	34.5	19.3	12.9	25.6
GBI600/210/4	4.0	Ø16*	2.0	Ø16**	34.5	19.3	12.9	25.6
GBI750/138/4	4.0	Ø16*	2.0	Ø16**	57.9	30.8	12.9	36.3
GBI750/162/4	4.0	Ø16*	2.0	Ø16**	57.9	30.8	12.9	36.3
GBI750/186/4	4.0	Ø16*	2.0	Ø16**	57.9	30.8	12.9	36.3
GBI750/210/4	4.0	Ø16*	2.0	Ø16**	57.9	30.8	12.9	36.3
GBI900/138/4	6.0	Ø16*	3.0	Ø16**	72.6	45.4	12.9	47
GBI900/162/4	6.0	Ø16*	3.0	Ø16**	72.6	45.4	12.9	47
GBI900/186/4	6.0	Ø16*	3.0	Ø16**	72.6	45.4	12.9	47
GBI900/210/4	6.0	Ø16*	3.0	Ø16**	72.6	45.4	12.9	47
GBI1050/138/4	6.0	Ø16*	3.0	Ø16**	80.8	53.7	12.9	57.7
GBI1050/162/4	6.0	Ø16*	3.0	Ø16**	80.8	53.7	12.9	57.7
GBI1050/186/4	6.0	Ø16*	3.0	Ø16**	80.8	53.7	12.9	57.7
GBI1050/210/4	6.0	Ø16*	3.0	Ø16**	80.8	53.7	12.9	57.7
GBI1200/138/4	8.0	Ø16*	4.0	Ø16**	99.9	72.8	12.9	68.4
GBI1200/162/4	8.0	Ø16*	4.0	Ø16**	99.9	72.8	12.9	68.4
GBI1200/186/4	8.0	Ø16*	4.0	Ø16**	99.9	72.8	12.9	68.4
GBI1200/210/4	8.0	Ø16*	4.0	Ø16**	99.9	72.8	12.9	68.4
GBI1350/138/4	8.0	Ø16*	4.0	Ø16**	106.6	79.4	12.9	79.1
GBI1350/162/4	8.0	Ø16*	4.0	Ø16**	106.6	79.4	12.9	79.1
GBI1350/186/4	8.0	Ø16*	4.0	Ø16**	106.6	79.4	12.9	79.1
GBI1350/210/4	8.0	Ø16*	4.0	Ø16**	106.6	79.4	12.9	79.1
GBI1500/138/4	10.0	Ø16*	5.0	Ø16**	128.3	101.1	12.9	89.9
GBI1500/162/4	10.0	Ø16*	5.0	Ø16**	128.3	101.1	12.9	89.9
GBI1500/186/4	10.0	Ø16*	5.0	Ø16**	128.3	101.1	12.9	89.9
GBI1500/210/4	10.0	Ø16*	5.0	Ø16**	128.3	101.1	12.9	89.9
GBI600/120/4	4.0	Ø16*	2.0	Ø16**	34.5	19.3	12.9	25.6
GBI750/120/4	4.0	Ø16*	2.0	Ø16**	57.9	30.8	12.9	36.3
GBI900/120/4	6.0	Ø16*	3.0	Ø16**	72.6	45.4	12.9	47
GBI1050/120/4	6.0	Ø16*	3.0	Ø16**	80.8	53.7	12.9	57.7

The references presented in this table are only example, other dimensions can be manufactured and justify.
** Bolt used in this case are Ø16 class 4.6 and 5.8.
The joist is made out of glulam GL24
* Refer to the Simpson Strong-Tie anchor product range for suitable anchors. Typical anchor solutions are BOAXII, SET-XP, WA, AT-HP, depending on the concrete type, spacing and edge distances. The values in this table are given for an installation in the middle of a concrete slab. In other installation condition (close to the edge,...), the designer must check the anchor separately (Our free software Anchor Designer is available for download on our website)

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Joist hanger for glulam - internal flanges

Reference	Hanger únosnost							
	výrobek capacities - dřevo to beton or ocel							
	počet of Fasteners				Characteristic capacities - dřevo CGL24[kN]			
	Header		nosník		$R_{1,k}$	$R_{2,k}$	$R_{3,k}$	R4,k
	množství	typ	množství	typ	Bolt Ø16 - Class 4.6	Bolt Ø16 - Class 4.6	Bolt Ø16 - Class 4.6	Bolt Ø16 - Class 4.6
GBI1200/120/4	8.0	Ø16*	4.0	Ø16**	99.9	72.8	12.9	68.4
GBI1350/120/4	8.0	Ø16*	4.0	Ø16**	106.6	79.4	12.9	79.1
GBI1500/120/4	10.0	Ø16*	5.0	Ø16**	128.3	101.1	12.9	89.9
GBI600/140/4	4.0	Ø16*	2.0	Ø16**	34.5	19.3	12.9	25.6
GBI750/140/4	4.0	Ø16*	2.0	Ø16**	57.9	30.8	12.9	36.3
GBI900/140/4	6.0	Ø16*	3.0	Ø16**	72.6	45.4	12.9	47
GBI1050/140/4	6.0	Ø16*	3.0	Ø16**	80.8	53.7	12.9	57.7
GBI1200/140/4	8.0	Ø16*	4.0	Ø16**	99.9	72.8	12.9	68.4
GBI1350/140/4	8.0	Ø16*	4.0	Ø16**	106.6	79.4	12.9	79.1
GBI1500/140/4	10.0	Ø16*	5.0	Ø16**	128.3	101.1	12.9	89.9
GBI600/160/4	4.0	Ø16*	2.0	Ø16**	34.5	19.3	12.9	25.6
GBI750/160/4	4.0	Ø16*	2.0	Ø16**	57.9	30.8	12.9	36.3
GBI900/160/4	6.0	Ø16*	3.0	Ø16**	72.6	45.4	12.9	47
GBI1050/160/4	6.0	Ø16*	3.0	Ø16**	80.8	53.7	12.9	57.7
GBI1200/160/4	8.0	Ø16*	4.0	Ø16**	99.9	72.8	12.9	68.4
GBI1350/160/4	8.0	Ø16*	4.0	Ø16**	106.6	79.4	12.9	79.1
GBI1500/160/4	10.0	Ø16*	5.0	Ø16**	128.3	101.1	12.9	89.9
GBI600/180/4	4.0	Ø16*	2.0	Ø16**	34.5	19.3	12.9	25.6
GBI750/180/4	4.0	Ø16*	2.0	Ø16**	57.9	30.8	12.9	36.3
GBI900/180/4	6.0	Ø16*	3.0	Ø16**	72.6	45.4	12.9	47
GBI1050/180/4	6.0	Ø16*	3.0	Ø16**	80.8	53.7	12.9	57.7
GBI1200/180/4	8.0	Ø16*	4.0	Ø16**	99.9	72.8	12.9	68.4
GBI1350/180/4	8.0	Ø16*	4.0	Ø16**	106.6	79.4	12.9	79.1
GBI1500/180/4	10.0	Ø16*	5.0	Ø16**	128.3	101.1	12.9	89.9
GBI600/200/4	4.0	Ø16*	2.0	Ø16**	34.5	19.3	12.9	25.6
GBI750/200/4	4.0	Ø16*	2.0	Ø16**	57.9	30.8	12.9	36.3
GBI900/200/4	6.0	Ø16*	3.0	Ø16**	72.6	45.4	12.9	47
GBI1050/200/4	6.0	Ø16*	3.0	Ø16**	80.8	53.7	12.9	57.7
GBI1200/200/4	8.0	Ø16*	4.0	Ø16**	99.9	72.8	12.9	68.4
GBI1350/200/4	8.0	Ø16*	4.0	Ø16**	106.6	79.4	12.9	79.1
GBI1500/200/4	10.0	Ø16*	5.0	Ø16**	128.3	101.1	12.9	89.9
GBI600/220/4	4.0	Ø16*	2.0	Ø16**	34.5	19.3	12.9	25.6
GBI750/220/4	4.0	Ø16*	2.0	Ø16**	57.9	30.8	12.9	36.3
GBI900/220/4	6.0	Ø16*	3.0	Ø16**	72.6	45.4	12.9	47
GBI1050/220/4	6.0	Ø16*	3.0	Ø16**	80.8	53.7	12.9	57.7
GBI1200/220/4	8.0	Ø16*	4.0	Ø16**	99.9	72.8	12.9	68.4
GBI1350/220/4	8.0	Ø16*	4.0	Ø16**	106.6	79.4	12.9	79.1
GBI1500/220/4	10.0	Ø16*	5.0	Ø16**	128.3	101.1	12.9	89.9

The references presented in this table are only example, other dimensions can be manufactured and justify.
** Bolt used in this case are Ø16 class 4.6 and 5.8.
The joist is made out of glulam GL24
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Joist hanger for glulam - internal flanges

Installation

Befestigung

On Timber:

- On the header and on the joist: Bolt Ø16

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