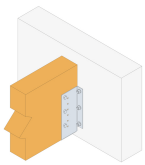
Technical Sheet

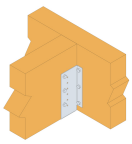
GBE

Joist hanger for glulam - external 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

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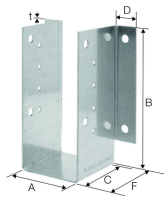
Joist hanger for glulam - external flanges

Technical Data

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Joist hanger for glulam - external flanges



Rozměry a typické hodnoty

Reference	konektor rozměry									
	rozměry výrobku[mm]						Header otvory	nosník otvory		ostatní
	A[mm]	B[mm]	C[mm]	d[mm]	F[mm]	tloušťka[mm]	kulatý	kulatý		hmotnost[kg]
							Ø18	Ø11	Ø18	
GBE600/90/4	90	255	145	54	155	4	4	6	4	3.3
GBE600/104/4	104	248	145	54	155	4	4	6	4	3.3
GBE600/114/4	114	243	145	54	155	4	4	6	4	3.3
GBE600/138/4	138	231	145	54	155	4	4	6	4	3.3
GBE600/162/4	162	219	145	54	155	4	4	6	4	3.3
GBE600/186/4	186	207	145	54	155	4	4	6	4	3.3
GBE600/210/4	210	195	145	54	155	4	4	6	4	3.3
GBE750/90/4	90	330	145	54	155	4	4	8	4	4.3
GBE750/104/4	104	323	145	54	155	4	4	8	4	4.3
GBE750/114/4	114	318	145	54	155	4	4	8	4	4.3
GBE750/138/4	138	306	145	54	155	4	4	8	4	4.3
GBE750/162/4	162	294	145	54	155	4	4	8	4	4.3
GBE750/186/4	186	282	145	54	155	4	4	8	4	4.3
GBE750/210/4	210	270	145	54	155	4	4	8	4	4.3
GBE900/90/4	90	405	145	54	155	4	6	12	6	5.2
GBE900/104/4	104	398	145	54	155	4	6	12	6	5.2
GBE900/114/4	114	393	145	54	155	4	6	12	6	5.2
GBE900/138/4	138	381	145	54	155	4	6	12	6	5.2
GBE900/162/4	162	369	145	54	155	4	6	12	6	5.2
GBE900/186/4	186	357	145	54	155	4	6	12	6	5.2
GBE900/210/4	210	345	145	54	155	4	6	12	6	5.2
GBE1050/90/4	90	480	145	54	155	4	6	14	6	6.1
GBE1050/104/4	104	473	145	54	155	4	6	14	6	6.1
GBE1050/114/4	114	468	145	54	155	4	6	14	6	6.1
GBE1050/138/4	138	456	145	54	155	4	6	14	6	6.1
GBE1050/162/4	162	444	145	54	155	4	6	14	6	6.1
GBE1050/186/4	186	432	145	54	155	4	6	14	6	6.1
GBE1050/210/4	210	420	145	54	155	4	6	14	6	6.1
GBE1200/90/4	90	555	145	54	155	4	8	18	8	7
GBE1200/104/4	104	548	145	54	155	4	8	18	8	7
GBE1200/114/4	114	543	145	54	155	4	8	18	8	7
GBE1200/138/4	138	531	145	54	155	4	8	18	8	7
GBE1200/162/4	162	519	145	54	155	4	8	18	8	7
GBE1200/186/4	186	507	145	54	155	4	8	18	8	7
GBE1200/210/4	210	495	145	54	155	4	8	18	8	7
GBE1350/138/4	138	606	145	54	155	4	8	20	8	8
GBE1350/162/4	162	594	145	54	155	4	8	20	8	8
GBE1350/186/4	186	582	145	54	155	4	8	20	8	8
GBE1350/210/4	210	570	145	54	155	4	8	20	8	8
GBE1500/138/4	138	681	145	54	155	4	10	24	10	8.9
GBE1500/162/4	162	669	145	54	155	4	10	24	10	8.9
GBE1500/186/4	186	657	145	54	155	4	10	24	10	8.9

Technical Sheet

GBE

Joist hanger for glulam - external flanges

Reference	konektor rozměry									
	rozměry výrobku[mm]						Header otvory	nosník otvory		ostatní
	A[mm]	B[mm]	C[mm]	d[mm]	F[mm]	tloušťka[mm]	kulatý	kulatý		hmotnost[kg]
							Ø18	Ø11	Ø18	
GBE1500/210/4	210	645	145	54	155	4	10	24	10	8.9
GBE600/100/4	100	250	145	54	155	4	4	6	4	3.3
GBE600/120/4	120	240	145	54	155	4	4	6	4	3.3
GBE600/140/4	140	230	145	54	155	4	4	6	4	3.3
GBE600/160/4	160	220	145	54	155	4	4	6	4	3.3
GBE600/180/4	180	210	145	54	155	4	4	6	4	3.3
GBE600/200/4	200	200	145	54	155	4	4	6	4	3.3
GBE600/220/4	220	190	145	54	155	4	4	6	4	3.3
GBE750/100/4	100	325	145	54	155	4	4	8	4	4.3
GBE750/120/4	120	315	145	54	155	4	4	8	4	4.3
GBE750/140/4	140	305	145	54	155	4	4	8	4	4.3
GBE750/160/4	160	295	145	54	155	4	4	8	4	4.3
GBE750/180/4	180	285	145	54	155	4	4	8	4	4.3
GBE750/200/4	200	275	145	54	155	4	4	8	4	4.3
GBE750/220/4	220	265	145	54	155	4	4	8	4	4.3
GBE900/100/4	100	400	145	54	155	4	6	12	6	5.2
GBE900/120/4	120	390	145	54	155	4	6	12	6	5.2
GBE900/140/4	140	380	145	54	155	4	6	12	6	5.2
GBE900/160/4	160	370	145	54	155	4	6	12	6	5.2
GBE900/180/4	180	360	145	54	155	4	6	12	6	5.2
GBE900/200/4	200	350	145	54	155	4	6	12	6	5.2
GBE900/220/4	220	340	145	54	155	4	6	12	6	5.2
GBE1050/100/4	100	475	145	54	155	4	6	14	6	6.1
GBE1050/120/4	120	465	145	54	155	4	6	14	6	6.1
GBE1050/140/4	140	455	145	54	155	4	6	14	6	6.1
GBE1050/160/4	160	445	145	54	155	4	6	14	6	6.1
GBE1050/180/4	180	435	145	54	155	4	6	14	6	6.1
GBE1050/200/4	200	425	145	54	155	4	6	14	6	6.1
GBE1050/220/4	220	415	145	54	155	4	6	14	6	6.1
GBE1200/100/4	100	550	145	54	155	4	8	18	8	7
GBE1200/120/4	120	540	145	54	155	4	8	18	8	7
GBE1200/140/4	140	530	145	54	155	4	8	18	8	7
GBE1200/160/4	160	520	145	54	155	4	8	18	8	7
GBE1200/180/4	180	510	145	54	155	4	8	18	8	7
GBE1200/200/4	200	500	145	54	155	4	8	18	8	7
GBE1200/220/4	220	490	145	54	155	4	8	18	8	7
GBE1350/100/4	100	625	145	54	155	4	8	18	8	8
GBE1350/120/4	120	615	145	54	155	4	8	18	8	8
GBE1350/140/4	140	605	145	54	155	4	8	20	8	8
GBE1350/160/4	160	595	145	54	155	4	8	20	8	8
GBE1350/180/4	180	585	145	54	155	4	8	20	8	8
GBE1350/200/4	200	575	145	54	155	4	8	20	8	8
GBE1350/220/4	220	565	145	54	155	4	8	20	8	8
GBE1500/100/4	100	700	145	54	155	4	10	24	10	8.9
GBE1500/120/4	120	690	145	54	155	4	10	24	10	8.9
GBE1500/140/4	140	680	145	54	155	4	10	24	10	8.9
GBE1500/160/4	160	670	145	54	155	4	10	24	10	8.9
GBE1500/180/4	180	660	145	54	155	4	10	24	10	8.9

Technical Sheet

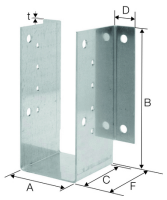
GBE

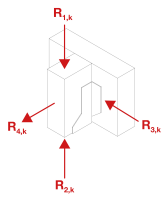
Joist hanger for glulam - external flanges

Reference	konektor rozměry									
	rozměry výrobku[mm]						Header otvory	nosník otvory		ostatní
	A[mm]	B[mm]	C[mm]	d[mm]	F[mm]	tloušťka[mm]	kulatý	kulatý		hmotnost[kg]
							Ø18	Ø11	Ø18	
GBE1500/200/4	200	650	145	54	155	4	10	24	10	8.9
GBE1500/220/4	220	640	145	54	155	4	10	24	10	8.9

Technical Sheet

GBE
Joist hanger for glulam - external flanges





Nosnosti - dřevo na dřevo

Reference	Hanger únosnost Characteristic capacities - dřevo to dřevo charakteristická únosnost - dřevo GL24[kN]				konektor rozměry rozměry výrobku[mm]
	$R_{3,k}$	$R_{2,k}$	$R_{1,k}$	R4,k	A[mm]
	Bolt Ø16 - Class 4.6	Bolt Ø16 - Class 4.6	Bolt Ø16 - Class 4.6	Bolt Ø16 - Class 4.6	
GBE600/90/4	12.9	19.3	34.5	25.6	90
GBE600/104/4	12.9	19.3	34.5	25.6	104
GBE600/114/4	12.9	19.3	34.5	25.6	114
GBE600/138/4	12.9	19.3	34.5	25.6	138
GBE600/162/4	12.9	19.3	34.5	25.6	162
GBE600/186/4	12.9	19.3	34.5	25.6	186
GBE600/210/4	12.9	19.3	34.5	25.6	210
GBE750/90/4	12.9	29.4	38.2	36.3	90
GBE750/104/4	12.9	30.8	38.2	36.3	104
GBE750/114/4	12.9	30.8	38.2	36.3	114
GBE750/138/4	12.9	30.8	38.2	36.3	138
GBE750/162/4	12.9	30.8	38.2	36.3	162
GBE750/186/4	12.9	30.8	38.2	36.3	186
GBE750/210/4	12.9	30.8	38.2	36.3	210
GBE900/90/4	12.9	43.5	69.6	47	90
GBE900/104/4	12.9	45.4	69.6	47	104
GBE900/114/4	12.9	45.4	69.6	47	114
GBE900/138/4	12.9	45.4	69.6	47	138
GBE900/162/4	12.9	45.4	69.6	47	162
GBE900/186/4	12.9	45.4	69.6	47	186
GBE900/210/4	12.9	45.4	69.6	47	210
GBE1050/90/4	12.9	49.8	69.6	57.7	90
GBE1050/104/4	12.9	53.7	69.6	57.7	104
GBE1050/114/4	12.9	53.7	69.6	57.7	114
GBE1050/138/4	12.9	53.7	69.6	57.7	138
GBE1050/162/4	12.9	53.7	69.6	57.7	162
GBE1050/186/4	12.9	53.7	69.6	57.7	186
GBE1050/210/4	12.9	53.7	69.6	57.7	210
GBE1200/90/4	12.9	67.3	98.8	68.4	90
GBE1200/104/4	12.9	72.8	103.7	68.4	104
GBE1200/114/4	12.9	72.8	103.7	68.4	114
GBE1200/138/4	12.9	72.8	103.7	68.4	138
GBE1200/162/4	12.9	72.8	103.7	68.4	162
GBE1200/186/4	12.9	72.8	103.7	68.4	186
GBE1200/210/4	12.9	72.8	103.7	68.4	210
GBE1350/138/4	12.9	79.4	103.7	79.1	138

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

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Joist hanger for glulam - external flanges

Reference	Hanger únosnost Characteristic capacities - dřevo to dřevo charakteristická únosnost - dřevo GL24[kN]				konektor rozměry rozměry výrobku[mm] A[mm]
	$R_{3,k}$	$R_{2,k}$	$R_{1,k}$	R4,k	
	Bolt Ø16 - Class 4.6	Bolt Ø16 - Class 4.6	Bolt Ø16 - Class 4.6	Bolt Ø16 - Class 4.6	
GBE1350/162/4	12.9	79.4	103.7	79.1	162
GBE1350/186/4	12.9	79.4	103.7	79.1	186
GBE1350/210/4	12.9	79.4	103.7	79.1	210
GBE1500/138/4	12.9	101.1	129.6	89.9	138
GBE1500/162/4	12.9	101.1	129.6	89.9	162
GBE1500/186/4	12.9	101.1	129.6	89.9	186
GBE1500/210/4	12.9	101.1	129.6	89.9	210
GBE600/100/4	12.9	19.3	34.5	25.6	100
GBE600/120/4	12.9	19.3	34.5	25.6	120
GBE600/140/4	12.9	19.3	34.5	25.6	140
GBE600/160/4	12.9	19.3	34.5	25.6	160
GBE600/180/4	12.9	19.3	34.5	25.6	180
GBE600/200/4	12.9	19.3	34.5	25.6	200
GBE600/220/4	12.9	19.3	34.5	25.6	220
GBE750/100/4	12.9	30.8	38.2	36.3	100
GBE750/120/4	12.9	30.8	38.2	36.3	120
GBE750/140/4	12.9	30.8	38.2	36.3	140
GBE750/160/4	12.9	30.8	38.2	36.3	160
GBE750/180/4	12.9	30.8	38.2	36.3	180
GBE750/200/4	12.9	30.8	38.2	36.3	200
GBE750/220/4	12.9	30.8	38.2	36.3	220
GBE900/100/4	12.9	45.4	69.6	47	100
GBE900/120/4	12.9	45.4	69.6	47	120
GBE900/140/4	12.9	45.4	69.6	47	140
GBE900/160/4	12.9	45.4	69.6	47	160
GBE900/180/4	12.9	45.4	69.6	47	180
GBE900/200/4	12.9	45.4	69.6	47	200
GBE900/220/4	12.9	45.4	69.6	47	220
GBE1050/100/4	12.9	53.7	69.6	57.7	100
GBE1050/120/4	12.9	53.7	69.6	57.7	120
GBE1050/140/4	12.9	53.7	69.6	57.7	140
GBE1050/160/4	12.9	53.7	69.6	57.7	160
GBE1050/180/4	12.9	53.7	69.6	57.7	180
GBE1050/200/4	12.9	53.7	69.6	57.7	200
GBE1050/220/4	12.9	53.7	69.6	57.7	220
GBE1200/100/4	12.9	72.8	103.7	68.4	100
GBE1200/120/4	12.9	72.8	103.7	68.4	120
GBE1200/140/4	12.9	72.8	103.7	68.4	140
GBE1200/160/4	12.9	72.8	103.7	68.4	160
GBE1200/180/4	12.9	72.8	103.7	68.4	180
GBE1200/200/4	12.9	72.8	103.7	68.4	200
GBE1200/220/4	12.9	72.8	103.7	68.4	220
GBE1350/100/4	12.9	79.4	103.7	79.1	100

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

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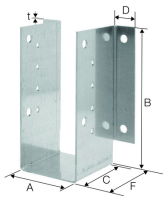
Joist hanger for glulam - external flanges

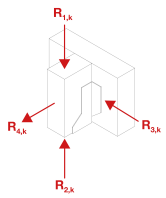
Reference	Hanger únosnost Characteristic capacities - dřevo to dřevo charakteristická únosnost - dřevo GL24[kN]				konektor rozměry rozměry výrobku[mm] A[mm]
	$R_{3,k}$	$R_{2,k}$	$R_{1,k}$	R4,k	
	Bolt Ø16 - Class 4.6	Bolt Ø16 - Class 4.6	Bolt Ø16 - Class 4.6	Bolt Ø16 - Class 4.6	
GBE1350/120/4	12.9	79.4	103.7	79.1	120
GBE1350/140/4	12.9	79.4	103.7	79.1	140
GBE1350/160/4	12.9	79.4	103.7	79.1	160
GBE1350/180/4	12.9	79.4	103.7	79.1	180
GBE1350/200/4	12.9	79.4	103.7	79.1	200
GBE1350/220/4	12.9	79.4	103.7	79.1	220
GBE1500/100/4	12.9	101.1	129.6	89.9	100
GBE1500/120/4	12.9	101.1	129.6	89.9	120
GBE1500/140/4	12.9	101.1	129.6	89.9	140
GBE1500/160/4	12.9	101.1	129.6	89.9	160
GBE1500/180/4	12.9	101.1	129.6	89.9	180
GBE1500/200/4	12.9	101.1	129.6	89.9	200
GBE1500/220/4	12.9	101.1	129.6	89.9	220

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

GBE
Joist hanger for glulam - external flanges





Nosnosti - dřevo na beton

Reference	Hanger únosnost				konektor rozměry
	Characteristic capacities - dřevo to beton or ocel				rozměry výrobku[mm]
	charakteristická únosnost - dřevo GL24[kN]				A[mm]
	$R_{1,k}$	$R_{2,k}$	R4,k	$R_{3,k}$	
	Bolt Ø16 - Class 4.6	Bolt Ø16 - Class 4.6	Bolt Ø16 - Class 4.6	Bolt Ø16 - Class 4.6	
GBE600/90/4	34.5	19.3	25.6	12.9	90
GBE600/104/4	34.5	19.3	25.6	12.9	104
GBE600/114/4	34.5	19.3	25.6	12.9	114
GBE600/138/4	34.5	19.3	25.6	12.9	138
GBE600/162/4	34.5	19.3	25.6	12.9	162
GBE600/186/4	34.5	19.3	25.6	12.9	186
GBE600/210/4	34.5	19.3	25.6	12.9	210
GBE750/90/4	58	29.4	36.3	12.9	90
GBE750/104/4	58	30.8	36.3	12.9	104
GBE750/114/4	58	30.8	36.3	12.9	114
GBE750/138/4	58	30.8	36.3	12.9	138
GBE750/162/4	58	30.8	36.3	12.9	162
GBE750/186/4	58	30.8	36.3	12.9	186
GBE750/210/4	58	30.8	36.3	12.9	210
GBE900/90/4	75	43.5	47	12.9	90
GBE900/104/4	76.9	45.4	47	12.9	104
GBE900/114/4	76.9	45.4	47	12.9	114
GBE900/138/4	76.9	45.4	47	12.9	138
GBE900/162/4	76.9	45.4	47	12.9	162
GBE900/186/4	76.9	45.4	47	12.9	186
GBE900/210/4	76.9	45.4	47	12.9	210
GBE1050/90/4	81.3	49.8	57.7	12.9	90
GBE1050/104/4	85.2	53.7	57.7	12.9	104
GBE1050/114/4	85.2	53.7	57.7	12.9	114
GBE1050/138/4	85.2	53.7	57.7	12.9	138
GBE1050/162/4	85.2	53.7	57.7	12.9	162
GBE1050/186/4	85.2	53.7	57.7	12.9	186
GBE1050/210/4	85.2	53.7	57.7	12.9	210
GBE1200/90/4	98.8	67.3	68.4	12.9	90
GBE1200/104/4	104.3	72.8	68.4	12.9	104
GBE1200/114/4	104.3	72.8	68.4	12.9	114
GBE1200/138/4	104.3	72.8	68.4	12.9	138

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)

Technical Sheet

GBE
Joist hanger for glulam - external flanges

Reference	Hanger únosnost Characteristic capacities - dřevo to beton or ocel charakteristická únosnost - dřevo GL24[kN]				konektor rozměry rozměry výrobku[mm] A[mm]
	$R_{1,k}$	$R_{2,k}$	R4,k	$R_{3,k}$	
	Bolt Ø16 - Class 4.6	Bolt Ø16 - Class 4.6	Bolt Ø16 - Class 4.6	Bolt Ø16 - Class 4.6	
GBE1200/162/4	104.3	72.8	68.4	12.9	162
GBE1200/186/4	104.3	72.8	68.4	12.9	186
GBE1200/210/4	104.3	72.8	68.4	12.9	210
GBE1350/138/4	110.9	79.4	79.1	12.9	138
GBE1350/162/4	110.9	79.4	79.1	12.9	162
GBE1350/186/4	110.9	79.4	79.1	12.9	186
GBE1350/210/4	110.9	79.4	79.1	12.9	210
GBE1500/138/4	132.6	101.1	89.9	12.9	138
GBE1500/162/4	132.6	101.1	89.9	12.9	162
GBE1500/186/4	132.6	101.1	89.9	12.9	186
GBE1500/210/4	132.6	101.1	89.9	12.9	210
GBE600/100/4	34.5	19.3	25.6	12.9	100
GBE600/120/4	34.5	19.3	25.6	12.9	120
GBE600/140/4	34.5	19.3	25.6	12.9	140
GBE600/160/4	34.5	19.3	25.6	12.9	160
GBE600/180/4	34.5	19.3	25.6	12.9	180
GBE600/200/4	34.5	19.3	25.6	12.9	200
GBE600/220/4	34.5	19.3	25.6	12.9	220
GBE750/100/4	58	30.8	36.3	12.9	100
GBE750/120/4	58	30.8	36.3	12.9	120
GBE750/140/4	58	30.8	36.3	12.9	140
GBE750/160/4	58	30.8	36.3	12.9	160
GBE750/180/4	58	30.8	36.3	12.9	180
GBE750/200/4	58	30.8	36.3	12.9	200
GBE750/220/4	58	30.8	36.3	12.9	220
GBE900/100/4	76.9	45.4	47	12.9	100
GBE900/120/4	76.9	45.4	47	12.9	120
GBE900/140/4	76.9	45.4	47	12.9	140
GBE900/160/4	76.9	45.4	47	12.9	160
GBE900/180/4	76.9	45.4	47	12.9	180
GBE900/200/4	76.9	45.4	47	12.9	200
GBE900/220/4	76.9	45.4	47	12.9	220
GBE1050/100/4	85.2	53.7	57.7	12.9	100
GBE1050/120/4	85.2	53.7	57.7	12.9	120
GBE1050/140/4	85.2	53.7	57.7	12.9	140
GBE1050/160/4	85.2	53.7	57.7	12.9	160
GBE1050/180/4	85.2	53.7	57.7	12.9	180
GBE1050/200/4	85.2	53.7	57.7	12.9	200

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)

Technical Sheet

GBE

Joist hanger for glulam - external flanges

Reference	Hanger únosnost				konektor rozměry
	Characteristic capacities - dřevo to beton or ocel				rozměry výrobku[mm]
	charakteristická únosnost - dřevo GL24[kN]				A[mm]
	$R_{1,k}$	$R_{2,k}$	R4,k	$R_{3,k}$	
	Bolt Ø16 - Class 4.6	Bolt Ø16 - Class 4.6	Bolt Ø16 - Class 4.6	Bolt Ø16 - Class 4.6	
GBE1050/220/4	85.2	53.7	57.7	12.9	220
GBE1200/100/4	104.3	72.8	68.4	12.9	100
GBE1200/120/4	104.3	72.8	68.4	12.9	120
GBE1200/140/4	104.3	72.8	68.4	12.9	140
GBE1200/160/4	104.3	72.8	68.4	12.9	160
GBE1200/180/4	104.3	72.8	68.4	12.9	180
GBE1200/200/4	104.3	72.8	68.4	12.9	200
GBE1200/220/4	104.3	72.8	68.4	12.9	220
GBE1350/100/4	110.9	79.4	79.1	12.9	100
GBE1350/120/4	110.9	79.4	79.1	12.9	120
GBE1350/140/4	110.9	79.4	79.1	12.9	140
GBE1350/160/4	110.9	79.4	79.1	12.9	160
GBE1350/180/4	110.9	79.4	79.1	12.9	180
GBE1350/200/4	110.9	79.4	79.1	12.9	200
GBE1350/220/4	110.9	79.4	79.1	12.9	220
GBE1500/100/4	132.6	101.1	89.9	12.9	100
GBE1500/120/4	132.6	101.1	89.9	12.9	120
GBE1500/140/4	132.6	101.1	89.9	12.9	140
GBE1500/160/4	132.6	101.1	89.9	12.9	160
GBE1500/180/4	132.6	101.1	89.9	12.9	180
GBE1500/200/4	132.6	101.1	89.9	12.9	200
GBE1500/220/4	132.6	101.1	89.9	12.9	220

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)

Installation

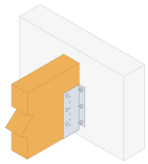
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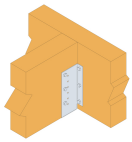
On Timber:

- On the header and on the joist: Bolt Ø16

On concrete:

- On the header: Anchor Ø16 such as WA M16-110/5
- On the joist: Bolt Ø16





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