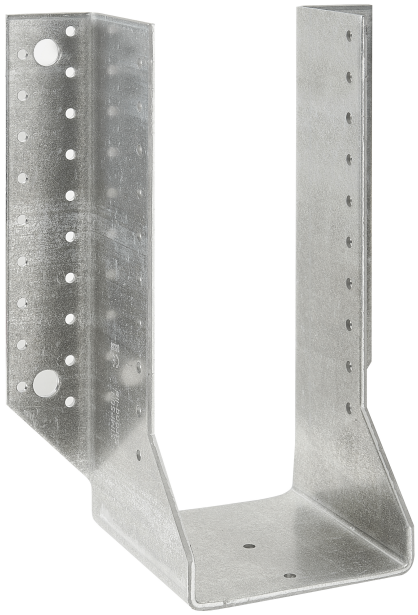
Technical Sheet

GSE 4
Joist hanger

The GSE joist hanger is a connector which has been tested and proved to be Fire Resistance R30 in combustion chamber tests. The GSE hanger is used in structures where fire resistance is essential.



Features

material

<u>Steel quality</u>:
S250GD
<u>Corrosion protection:</u>
275 g/m2 on both sides - correspond to a zinc layer of approx. 20 µm

Benefit

- *Wide range of products*
- *Easy to install*
- *Statically calculated*
- *Fire resistance*

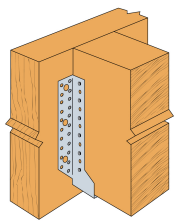
Applications

Suitable On

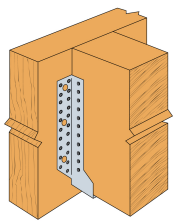
<u>Supporting member:</u>
Solid wood, composite wood, glued laminated wood, concrete
<u>Supported member:</u>
Solid wood, composite wood, glued laminated wood.

When to Use

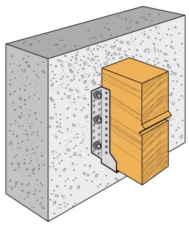
For connections of secondary beams made of wood or engineered wood to main beams / posts made of engineered wood or concrete



Połączenie belka-belka gwoździowanie częściowe



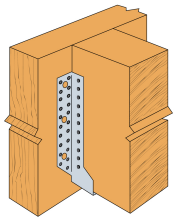
Połączenie belka-belka gwoździowanie pełne



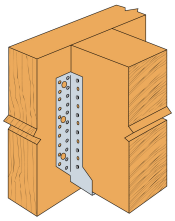
Połączenie belka-beton, kotwienie



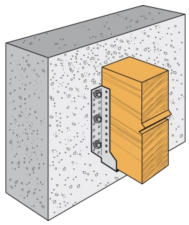
Large hangers with external flanges GSE



Połączenie belka-belka gwoździowanie pełne



Połączenie belka-belka gwoździowanie częściowe



Połączenie belka-beton, kotwienie

Technical Sheet

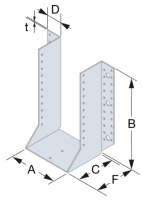
GSE 4
Joist hanger

Dane techniczne

Technical Sheet

GSE 4
Joist hanger

SIMPSON Strong-Tie



Wymiary złącza

Numer referencyjny	Wymiary												
	Timber size[mm]			Wymiary złącza[mm]						Otwory - belka główna		Otwory - belka drugorzędna	Other
	Szerokość[mm]	Wysokość		A[mm]	B[mm]	C[mm]	D[mm]	F[mm]	t[mm]	Okrągłe		Okrągłe	Waga[kg]
		Min. [mm]	Max. [mm]							Ø5	Ø13	Ø5	
GSE300/32/4	32	144	201	32	134	110	45.5	118	4	12	2	6	1
GSE340/32/4	32	164	231	32	154	110	45.5	118	4	16	2	8	1.2
GSE300/38/4	38	141	197	38	131	110	45.5	118	4	12	2	6	1
GSE340/38/4	38	161	227	38	151	110	45.5	118	4	16	2	8	1.2
GSE440/38/4	38	211	302	38	201	110	45.5	118	4	22	4	12	1.5
GSE300/50/4	50	135	188	50	125	110	45.5	118	4	12	2	6	1
GSE340/50/4	50	155	218	50	145	110	45.5	118	4	16	2	8	1.2
GSE500/50/4	50	235	338	50	225	110	45.5	118	4	28	4	14	1.6
GSE300/64/4	64	128	177	64	118	110	45.5	118	4	12	2	6	1
GSE340/64/4	64	148	207	64	138	110	45.5	118	4	16	2	8	1.2
GSE380/64/4	64	168	237	64	158	110	45.5	118	4	16	4	8	1.3
GSE380/70/4	70	165	233	70	155	110	45.5	118	4	16	4	8	1.3
GSE440/70/4	70	195	278	70	185	110	45.5	118	4	22	4	12	1.5
GSE500/70/4	70	225	323	70	215	110	45.5	118	4	28	4	14	1.6
GSE380/76/4	76	162	228	76	152	110	45.5	118	4	16	4	8	1.3
GSE440/76/4	76	192	273	76	182	110	45.5	118	4	22	4	12	1.5
GSE500/76/4	76	222	318	76	212	110	45.5	118	4	28	4	14	1.6
GSE380/80/4	80	160	225	80	150	110	45.5	118	4	16	4	8	1.3
GSE440/80/4	80	190	270	80	180	110	45.5	118	4	22	4	12	1.5
GSE500/80/4	80	220	315	80	210	110	45.5	118	4	28	4	14	1.6
GSE540/80/4	80	240	345	80	230	110	45.5	118	4	32	4	16	1.8
GSE600/80/4	80	270	390	80	260	110	45.5	118	4	38	4	20	2
GSE660/80/4	80	300	435	80	290	110	45.5	118	4	44	6	22	2.1
GSE720/80/4	80	330	480	80	320	110	45.5	118	4	50	6	26	2.3
GSE780/80/4	80	360	525	80	350	110	45.5	118	4	56	6	28	2.7
GSE840/80/4	80	390	570	80	380	110	45.5	118	4	62	6	32	2.9
GSE900/80/4	80	420	615	80	410	110	45.5	118	4	68	6	36	3
GSE960/80/4	80	450	660	80	440	110	45.5	118	4	74	6	38	3.2
GSE1020/80/4	80	480	705	80	470	110	45.5	118	4	80	6	40	3.4
GSE380/90/4	90	155	218	90	145	110	45.5	118	4	16	4	8	1.3
GSE440/90/4	90	185	263	90	175	110	45.5	118	4	22	4	12	1.5
GSE500/90/4	90	215	308	90	205	110	45.5	118	4	28	4	14	1.6
GSE540/90/4	90	235	338	90	225	110	45.5	118	4	32	4	16	1.8
GSE600/90/4	90	265	383	90	255	110	45.5	118	4	38	4	20	2
GSE660/90/4	90	295	428	90	285	110	45.5	118	4	44	6	22	2.1
GSE720/90/4	90	325	473	90	315	110	45.5	118	4	50	6	26	2.3
GSE780/90/4	90	355	518	90	345	110	45.5	118	4	56	6	28	2.7
GSE840/90/4	90	385	563	90	375	110	45.5	118	4	62	6	32	2.9
GSE900/90/4	90	415	608	90	405	110	45.5	118	4	68	6	36	3
GSE960/90/4	90	445	653	90	435	110	45.5	118	4	74	6	38	3.2

Technical Sheet

GSE 4
Joist hanger

SIMPSON Strong-Tie

Numer referencyjny	Wymiary													
	Timber size[mm]			Wymiary złącza[mm]						Otwory - belka główna		Otwory - belka drugorzędna	Other
	Szerokość[mm]	Wysokość		A[mm]	B[mm]	C[mm]	D[mm]	F[mm]	t[mm]	Okrągłe		Okrągłe	Waga[kg]
		Min. [mm]	Max. [mm]							Ø5	Ø13	Ø5	
GSE1020/90/4	90	475	698	90	465	110	45.5	118	4	80	6	40	3.4
GSE380/100/4	100	150	210	100	140	110	45.5	118	4	16	2	8	1.3
GSE440/100/4	100	180	255	100	170	110	45.5	118	4	22	4	12	1.5
GSE500/100/4	100	210	300	100	200	110	45.5	118	4	28	4	14	1.6
GSE540/100/4	100	230	330	100	220	110	45.5	118	4	32	4	16	1.9
GSE600/100/4	100	260	375	100	250	110	45.5	118	4	38	4	20	2
GSE660/100/4	100	290	420	100	280	110	45.5	118	4	44	6	22	2.1
GSE720/100/4	100	320	465	100	310	110	45.5	118	4	50	6	26	2.3
GSE780/100/4	100	350	510	100	340	110	45.5	118	4	56	6	28	2.7
GSE840/100/4	100	380	555	100	370	110	45.5	118	4	62	6	32	2.9
GSE900/100/4	100	410	600	100	400	110	45.5	118	4	68	6	36	3
GSE960/100/4	100	440	645	100	430	110	45.5	118	4	74	6	38	3.2
GSE1020/100/4	100	470	690	100	460	110	45.5	118	4	80	6	40	3.4
GSE540/120/4	120	220	315	120	210	110	45.5	118	4	32	4	16	1.9
GSE600/120/4	120	250	360	120	240	110	45.5	118	4	38	4	20	2
GSE660/120/4	120	280	405	120	270	110	45.5	118	4	44	6	22	2.1
GSE720/120/4	120	310	450	120	300	110	45.5	118	4	50	6	26	2.3
GSE780/120/4	120	340	495	120	330	110	45.5	118	4	56	6	28	2.7
GSE840/120/4	120	370	540	120	360	110	45.5	118	4	62	6	32	2.9
GSE900/120/4	120	400	585	120	390	110	45.5	118	4	68	6	36	3
GSE960/120/4	120	430	630	120	420	110	45.5	118	4	74	6	38	3.2
GSE1020/120/4	120	460	675	120	450	110	45.5	118	4	80	6	40	3.4
GSE500/140/4	140	190	270	140	180	110	45.5	118	4	22	2	12	1.6
GSE540/140/4	140	210	300	140	200	110	45.5	118	4	26	4	14	1.8
GSE600/140/4	140	240	345	140	230	110	45.5	118	4	32	4	18	2
GSE660/140/4	140	270	390	140	260	110	45.5	118	4	38	4	20	2.1
GSE720/140/4	140	300	435	140	290	110	45.5	118	4	44	6	24	2.3
GSE780/140/4	140	330	480	140	320	110	45.5	118	4	50	6	26	2.7
GSE840/140/4	140	360	525	140	350	110	45.5	118	4	56	6	30	2.9
GSE900/140/4	140	390	570	140	380	110	45.5	118	4	62	6	32	3
GSE960/140/4	140	420	615	140	410	110	45.5	118	4	68	6	34	3.2
GSE1020/140/4	140	450	660	140	440	110	45.5	118	4	74	6	38	3.4
GSE500/160/4	160	180	255	160	170	110	45.5	118	4	22	2	12	1.6
GSE540/160/4	160	200	285	160	190	110	45.5	118	4	26	4	14	1.8
GSE600/160/4	160	230	330	160	220	110	45.5	118	4	32	4	18	2
GSE660/160/4	160	260	375	160	250	110	45.5	118	4	38	4	20	2.1
GSE720/160/4	160	290	420	160	280	110	45.5	118	4	44	6	24	2.3
GSE780/160/4	160	320	465	160	310	110	45.5	118	4	50	6	26	2.7
GSE840/160/4	160	350	510	160	340	110	45.5	118	4	56	6	30	2.9
GSE900/160/4	160	380	555	160	370	110	45.5	118	4	62	6	32	3
GSE960/160/4	160	410	600	160	400	110	45.5	118	4	68	6	34	3.2
GSE1020/160/4	160	440	645	160	430	110	45.5	118	4	74	6	38	3.4
GSE500/180/4	180	170	240	180	160	110	45.5	118	4	22	2	12	1.6
GSE540/180/4	180	190	270	180	180	110	45.5	118	4	26	4	14	1.8
GSE600/180/4	180	220	315	180	210	110	45.5	118	4	32	4	18	2
GSE660/180/4	180	250	360	180	240	110	45.5	118	4	38	4	20	2.1

Technical Sheet

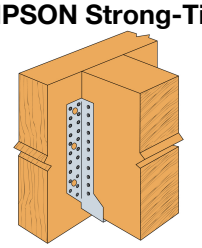
GSE 4
Joist hanger

Numer referencyjny	Wymiary												
	Timber size[mm]			Wymiary złącza[mm]						Otwory - belka główna		Otwory - belka drugorzędna	Other
	Szerokość[mm]	Wysokość		A[mm]	B[mm]	C[mm]	D[mm]	F[mm]	t[mm]	Okrągłe		Okrągłe	Waga[kg]
		Min. [mm]	Max. [mm]							Ø5	Ø13	Ø5	
GSE720/180/4	180	280	405	180	270	110	45.5	118	4	44	6	24	2.3
GSE780/180/4	180	310	450	180	300	110	45.5	118	4	50	6	26	2.7
GSE840/180/4	180	340	495	180	330	110	45.5	118	4	56	6	30	2.9
GSE900/180/4	180	370	540	180	360	110	45.5	118	4	62	6	32	3
GSE960/180/4	180	400	585	180	390	110	45.5	118	4	68	6	34	3.2
GSE1020/180/4	180	430	630	180	420	110	45.5	118	4	74	6	38	3.4
GSE500/200/4	200	160	225	200	150	110	45.5	118	4	22	2	12	1.6
GSE540/200/4	200	180	255	200	170	110	45.5	118	4	26	4	14	1.8
GSE600/200/4	200	210	300	200	200	110	45.5	118	4	32	4	18	2
GSE660/200/4	200	240	345	200	230	110	45.5	118	4	38	4	20	2.1
GSE720/200/4	200	270	390	200	260	110	45.5	118	4	44	6	24	2.3
GSE780/200/4	200	300	435	200	290	110	45.5	118	4	50	6	26	2.7
GSE840/200/4	200	330	480	200	320	110	45.5	118	4	56	6	30	2.9
GSE900/200/4	200	360	525	200	350	110	45.5	118	4	62	6	32	3
GSE960/200/4	200	390	570	200	380	110	45.5	118	4	68	6	34	3.2
GSE1020/200/4	200	420	615	200	410	110	45.5	118	4	74	6	38	3.4

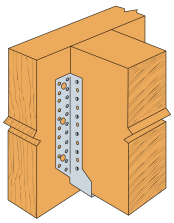
Montaż

Fixing

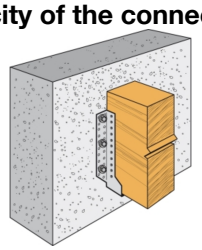
<u>Timber support:</u>
Use system nails CNA 4.0 x 50
To ensure corect load-bearing capacity and fire resistance R30, use nails (CNA4.0x75). The use of SIMPSON Strong-Tie nails is a prerequisite for the full load-bearing capacity of the connection.



Połączenie belka-belka gwoździowanie pełne



Połączenie belka-belka gwoździowanie częściowe



Połączenie belka-beton, kotwienie







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