Technical Sheet

GSI 4

Balkenschuhe mit innenliegenden Flanschen

Balkenschuhe GSI eignen sich vornehmlich zur Befestigung größerer Brettschichthölzer an Holz. Sie dienen speziell den Anschlüssen mit höheren BSH Querschnitten.
In der Materialstärke 4,0 mm in Verbindung mit CNA 4,0x75 Kammnägeln ist eine Brandschutzausführung für R30 zugelassen.



Features

Material

Stahlqualität:

- S 250 GD +Z 275 gemäß DIN EN 10346

Korrosionsschutz:

- 275 g/m2 beidseitig - entsprechend einer Zinkschichtdicke von ca. 20 µm

Blechdicke: 4,0 mm

Vorteile

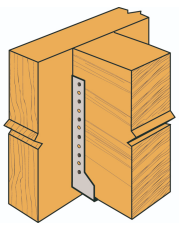
- Schnelle und einfache Installation
- In der Materialstärke 4,0 mm in Verbindung mit CNA 4,0x75 Kammnägeln ist eine Brandschutzausführung für R30 zugelassen. Heißbemessung siehe ETA.

Applications

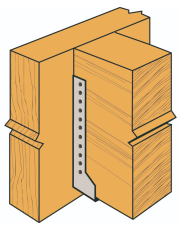
Anwendbare Materialien

Hauptträger:
Holz, Holzwerkstoffe
Nebenträger:
Holz, Holzwerkstoffe

- Befestigung an Beton, Mauerwerk und Stahl ist **nicht** zulässig.



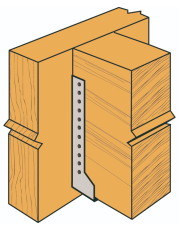
Teilausnagelung



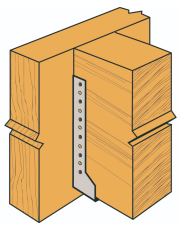
Vollausnagelung



GSI



Vollausnagelung



Teilausnagelung

Technical Sheet

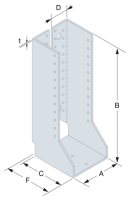
GSI 4
Balkenschuhe mit innenliegenden Flanschen

Technische Daten

Technical Sheet

GSI 4

Balkenschuhe mit innenliegenden Flanschen



Abmessungen

Referenz	Verbinder Abmessungen									
	Produktabmessungen[mm]						Löcher im Hauptträger		Löcher im Nebenträger	Sonstiges
							Rund		Rund	
	A[mm]	B[mm]	C[mm]	D[mm]	F[mm]	Dicke[mm]	Ø5	Ø13	Ø5	Gewicht[kg]
GSI380/76/4	76	152	110	45.5	118	4	16	4	8	1.3
GSI440/76/4	76	182	110	45.5	118	4	22	4	12	1.5
GSI500/76/4	76	212	110	45.5	118	4	28	4	14	1.6
GSI380/80/4	80	150	110	45.5	118	4	16	4	8	1.3
GSI440/80/4	80	180	110	45.5	118	4	22	4	12	1.5
GSI500/80/4	80	210	110	45.5	118	4	28	4	14	1.6
GSI540/80/4	80	230	110	45.5	118	4	32	4	16	1.8
GSI600/80/4	80	260	110	45.5	118	4	38	4	20	2
GSI660/80/4	80	290	110	45.5	118	4	44	6	22	2.1
GSI720/80/4	80	320	110	45.5	118	4	50	6	26	2.3
GSI780/80/4	80	350	110	45.5	118	4	56	6	28	2.7
GSI840/80/4	80	380	110	45.5	118	4	62	6	32	2.9
GSI900/80/4	80	410	110	45.5	118	4	68	6	38	3
GSI960/80/4	80	440	110	45.5	118	4	74	6	38	3.2
GSI1020/80/4	80	470	110	45.5	118	4	80	6	40	3.4
GSI380/90/4	90	145	110	45.5	118	4	16	4	8	1.3
GSI440/90/4	90	175	110	45.5	118	4	22	4	12	1.5
GSI500/90/4	90	205	110	45.5	118	4	28	4	14	1.6
GSI540/90/4	90	225	110	45.5	118	4	32	4	16	1.8
GSI600/90/4	90	255	110	45.5	118	4	38	4	20	2
GSI660/90/4	90	285	110	45.5	118	4	44	6	22	2.1
GSI720/90/4	90	315	110	45.5	118	4	50	6	26	2.3
GSI780/90/4	90	345	110	45.5	118	4	56	6	28	2.7
GSI840/90/4	90	375	110	45.5	118	4	62	6	32	2.9
GSI900/90/4	90	405	110	45.5	118	4	68	6	38	3
GSI960/90/4	90	435	110	45.5	118	4	74	6	38	3.2
GSI1020/90/4	90	465	110	45.5	118	4	80	6	40	3.4
GSI380/100/4	100	140	110	45.5	118	4	16	4	8	1.3
GSI440/100/4	100	170	110	45.5	118	4	22	4	12	1.5
GSI500/100/4	100	200	110	45.5	118	4	28	4	14	1.6
GSI540/100/4	100	220	110	45.5	118	4	32	4	16	1.8
GSI600/100/4	100	250	110	45.5	118	4	38	4	20	2
GSI660/100/4	100	280	110	45.5	118	4	44	6	22	2.1
GSI720/100/4	100	310	110	45.5	118	4	50	6	26	2.3
GSI780/100/4	100	340	110	45.5	118	4	56	6	28	2.7
GSI840/100/4	100	370	110	45.5	118	4	62	6	32	2.9
GSI900/100/4	100	400	110	45.5	118	4	68	6	38	3
GSI960/100/4	100	430	110	45.5	118	4	74	6	38	3.2
GSI1020/100/4	100	460	110	45.5	118	4	80	6	40	3.4
GSI540/120/4	120	210	110	45.5	118	4	32	4	16	1.8
GSI600/120/4	120	240	110	45.5	118	4	38	4	20	2
GSI660/120/4	120	270	110	45.5	118	4	44	6	22	2.1

Technical Sheet

GSI 4

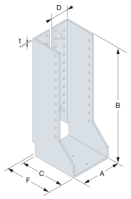
Balkenschuhe mit innenliegenden Flanschen

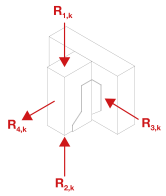
Referenz	Verbinder Abmessungen									
	Produktabmessungen[mm]						Löcher im Hauptträger		Löcher im Nebenträger	Sonstiges
							Rund		Rund	
	A[mm]	B[mm]	C[mm]	D[mm]	F[mm]	Dicke[mm]	Ø5	Ø13	Ø5	Gewicht[kg]
GSI720/120/4	120	300	110	45.5	118	4	50	6	26	2.3
GSI780/120/4	120	330	110	45.5	118	4	56	6	28	2.7
GSI840/120/4	120	360	110	45.5	118	4	62	6	32	2.9
GSI900/120/4	120	390	110	45.5	118	4	68	6	38	3
GSI960/120/4	120	420	110	45.5	118	4	74	6	38	3.2
GSI1020/120/4	120	450	110	45.5	118	4	80	6	40	3.4
GSI500/140/4	140	180	110	45.5	118	4	28	2	14	1.6
GSI540/140/4	140	200	110	45.5	118	4	32	4	16	1.8
GSI600/140/4	140	230	110	45.5	118	4	38	4	20	2
GSI660/140/4	140	260	110	45.5	118	4	44	6	22	2.1
GSI720/140/4	140	290	110	45.5	118	4	50	6	26	2.3
GSI780/140/4	140	320	110	45.5	118	4	56	6	28	2.7
GSI840/140/4	140	350	110	45.5	118	4	62	6	32	2.9
GSI900/140/4	140	380	110	45.5	118	4	68	6	38	3
GSI960/140/4	140	410	110	45.5	118	4	74	6	38	3.2
GSI1020/140/4	140	440	110	45.5	118	4	80	6	40	3.4
GSI500/160/4	160	170	110	45.5	118	4	28	2	14	1.6
GSI540/160/4	160	190	110	45.5	118	4	32	4	16	1.8
GSI600/160/4	160	220	110	45.5	118	4	38	4	20	2
GSI660/160/4	160	250	110	45.5	118	4	44	6	22	2.1
GSI720/160/4	160	280	110	45.5	118	4	50	6	26	2.3
GSI780/160/4	160	310	110	45.5	118	4	56	6	28	2.7
GSI840/160/4	160	340	110	45.5	118	4	62	6	32	2.9
GSI900/160/4	160	370	110	45.5	118	4	68	6	38	3
GSI960/160/4	160	400	110	45.5	118	4	74	6	38	3.2
GSI1020/160/4	160	430	110	45.5	118	4	80	6	40	3.4
GSI500/180/4	180	160	110	45.5	118	4	28	2	14	1.6
GSI540/180/4	180	180	110	45.5	118	4	32	4	16	1.8
GSI600/180/4	180	210	110	45.5	118	4	38	4	20	2
GSI660/180/4	180	240	110	45.5	118	4	44	6	22	2.1
GSI720/180/4	180	270	110	45.5	118	4	50	6	26	2.3
GSI780/180/4	180	300	110	45.5	118	4	56	6	28	2.7
GSI840/180/4	180	330	110	45.5	118	4	62	6	32	2.9
GSI900/180/4	180	360	110	45.5	118	4	68	6	38	3
GSI960/180/4	180	390	110	45.5	118	4	74	6	38	3.2
GSI1020/180/4	180	420	110	45.5	118	4	80	6	40	3.4
GSI500/200/4	200	150	110	45.5	118	4	28	2	14	1.6
GSI540/200/4	200	170	110	45.5	118	4	32	4	16	1.8
GSI600/200/4	200	200	110	45.5	118	4	38	4	20	2
GSI660/200/4	200	230	110	45.5	118	4	44	6	22	2.1
GSI720/200/4	200	260	110	45.5	118	4	50	6	26	2.3
GSI780/200/4	200	290	110	45.5	118	4	56	6	28	2.7
GSI840/200/4	200	320	110	45.5	118	4	62	6	32	2.9
GSI900/200/4	200	350	110	45.5	118	4	68	6	38	3
GSI960/200/4	200	380	110	45.5	118	4	74	6	38	3.2
GSI1020/200/4	200	410	110	45.5	118	4	80	6	40	3.4

Technical Sheet

GSI 4

Balkenschuhe mit innenliegenden Flanschen





Charakteristische Tragfähigkeiten - Holz an Holz - Vollausnagelung

Referenz	Balkenschuh-Tragfähigkeit					
	Charakter. Tragfähigkeit - Holz an Holz - Vollausnagelung					
	Verbindungsmittel		Charakter. Tragfähigkeiten - Nadelholz C24[kN]			
	Hauptträger	Nebenträger	$R_{1,k}$	$R_{2,k}$	$R_{3,k}$	R4,k
	Anzahl	Anzahl	mit CNA 4.0x50	mit CNA 4.0x50	mit CNA 4.0x50	mit CNA 4.0x50
GSI380/76/4	16.0	8.0	17.2	6.9	-	7.8
GSI440/76/4	22.0	12.0	24.5	11.9	-	11.8
GSI500/76/4	28.0	14.0	31.9	18.1	-	13.7
GSI380/80/4	16.0	8.0	16.9	6.9	-	7.8
GSI440/80/4	22.0	12.0	24.1	11.9	-	11.8
GSI500/80/4	28.0	14.0	31.9	18.1	-	13.7
GSI540/80/4	32.0	16.0	35.9	22.7	-	15.7
GSI600/80/4	38.0	20.0	43.9	30.5	-	19.6
GSI660/80/4	44.0	22.0	47.9	39	-	21.6
GSI720/80/4	50.0	26.0	55.8	46.1	-	25.5
GSI780/80/4	56.0	28.0	59.8	49.6	-	27.4
GSI840/80/4	62.0	32.0	67.8	56.7	-	31.4
GSI900/80/4	68.0	36.0	75.8	63.8	-	33.3
GSI960/80/4	74.0	38.0	79.8	67.4	-	37.2
GSI1020/80/4	80.0	40.0	83.8	70.9	-	39.2
GSI380/90/4	16.0	8.0	16.2	6.9	6.4	7.8
GSI440/90/4	22.0	12.0	23.2	11.9	9.2	11.8
GSI500/90/4	28.0	14.0	31.5	18.1	10.2	13.7
GSI540/90/4	32.0	16.0	35.9	22.7	11.3	15.7
GSI600/90/4	38.0	20.0	43.9	30.5	13.3	19.6
GSI660/90/4	44.0	22.0	47.9	39	13.8	21.6
GSI720/90/4	50.0	26.0	55.8	46.1	15.3	25.5
GSI780/90/4	56.0	28.0	59.8	49.6	15.5	27.4
GSI840/90/4	62.0	32.0	67.8	56.7	16.6	31.4
GSI900/90/4	68.0	36.0	75.8	63.8	17.6	33.3
GSI960/90/4	74.0	38.0	79.8	67.4	17.5	37.2
GSI1020/90/4	80.0	40.0	83.8	70.9	17.4	39.2
GSI380/100/4	16.0	8.0	15.4	6.9	6.6	7.8
GSI440/100/4	22.0	12.0	22.3	11.9	9.6	11.8
GSI500/100/4	28.0	14.0	30.5	18.1	10.7	13.7
GSI540/100/4	32.0	16.0	35.9	22.7	11.8	15.7
GSI600/100/4	38.0	20.0	43.9	30.5	14	19.6
GSI660/100/4	44.0	22.0	47.9	39	14.6	21.6
GSI720/100/4	50.0	26.0	55.8	46.1	16.3	25.5
GSI780/100/4	56.0	28.0	59.8	49.6	16.6	27.4
GSI840/100/4	62.0	32.0	67.8	56.7	17.9	31.4
GSI900/100/4	68.0	36.0	75.8	63.8	19	33.3
GSI960/100/4	74.0	38.0	79.8	67.4	19	37.2
GSI1020/100/4	80.0	40.0	83.8	70.9	18.9	39.2
GSI540/120/4	32.0	16.0	34	22.7	12.7	15.7
GSI600/120/4	38.0	20.0	43.1	30.5	15.2	19.6

Technical Sheet

GSI 4

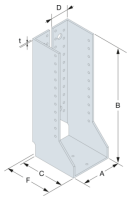
Balkenschuhe mit innenliegenden Flanschen

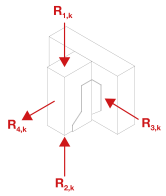
Referenz	Balkenschuh-Tragfähigkeit					
	Charakter. Tragfähigkeit - Holz an Holz - Vollausnagelung					
	Verbindungsmittel		Charakter. Tragfähigkeiten - Nadelholz C24[kN]			
	Hauptträger	Nebenträger	$R_{1,k}$	$R_{2,k}$	$R_{3,k}$	R4,k
	Anzahl	Anzahl	mit CNA 4.0x50	mit CNA 4.0x50	mit CNA 4.0x50	mit CNA 4.0x50
GSI660/120/4	44.0	22.0	47.9	39	16	21.6
GSI720/120/4	50.0	26.0	55.8	46.1	18	25.5
GSI780/120/4	56.0	28.0	59.8	49.6	18.5	27.4
GSI840/120/4	62.0	32.0	67.8	56.7	20.1	31.4
GSI900/120/4	68.0	36.0	75.8	63.8	21.5	33.3
GSI960/120/4	74.0	38.0	79.8	67.4	21.6	37.2
GSI1020/120/4	80.0	40.0	83.8	70.9	21.6	39.2
GSI500/140/4	22.0	12.0	24.1	11.9	10.5	11.8
GSI540/140/4	26.0	14.0	29.5	15.9	12	11.8
GSI600/140/4	32.0	18.0	38.2	22.7	15	15.7
GSI660/140/4	38.0	20.0	43.9	30.5	16.1	19.6
GSI720/140/4	44.0	24.0	51.9	39	18.6	23.5
GSI780/140/4	50.0	26.0	55.8	46.1	19.3	25.5
GSI840/140/4	56.0	30.0	63.8	53.2	21.4	29.4
GSI900/140/4	62.0	32.0	67.8	56.7	21.8	31.4
GSI960/140/4	68.0	34.0	71.8	60.3	22.2	33.3
GSI1020/140/4	74.0	38.0	79.8	67.4	23.8	37.2
GSI500/160/4	22.0	12.0	22.3	11.9	10.7	11.8
GSI540/160/4	26.0	14.0	27.6	15.9	12.3	11.8
GSI600/160/4	32.0	18.0	36.1	22.7	15.5	15.7
GSI660/160/4	44.0	24.0	51.9	39	20.1	19.6
GSI720/160/4	44.0	24.0	51.9	39	19.5	23.5
GSI780/160/4	50.0	26.0	55.8	46.1	20.4	25.5
GSI840/160/4	56.0	30.0	63.8	53.2	22.7	29.4
GSI900/160/4	62.0	32.0	67.8	56.7	23.3	31.4
GSI960/160/4	68.0	34.0	71.8	60.3	23.8	33.3
GSI1020/160/4	74.0	38.0	79.8	67.4	25.6	37.2
GSI500/180/4	22.0	12.0	20.3	11.9	10.9	11.8
GSI540/180/4	26.0	14.0	25.4	15.9	12.6	11.8
GSI600/180/4	32.0	18.0	33.8	22.7	15.9	15.7
GSI660/180/4	44.0	24.0	51.9	39	20.7	19.6
GSI720/180/4	44.0	24.0	51.9	39	20.1	23.5
GSI780/180/4	50.0	26.0	55.8	46.1	21.2	25.5
GSI840/180/4	56.0	30.0	63.8	53.2	23.7	29.4
GSI900/180/4	62.0	32.0	67.8	56.7	24.5	31.4
GSI960/180/4	68.0	34.0	71.8	60.3	25.1	33.3
GSI1020/180/4	74.0	38.0	79.8	67.4	27.2	37.2
GSI500/200/4	22.0	12.0	18.3	11.9	11.1	11.8
GSI540/200/4	26.0	14.0	23.2	15.9	12.8	11.8
GSI600/200/4	32.0	18.0	31.3	22.7	16.2	15.7
GSI660/200/4	44.0	24.0	50.3	39	21.1	19.6
GSI720/200/4	44.0	24.0	50.3	39	20.7	23.5
GSI780/200/4	50.0	26.0	55.8	46.1	21.8	25.5
GSI840/200/4	56.0	30.0	63.8	53.2	24.5	29.4
GSI900/200/4	62.0	32.0	67.8	56.7	25.4	31.4
GSI960/200/4	68.0	34.0	71.8	60.3	26.2	33.3
GSI1020/200/4	74.0	38.0	79.8	67.4	28.5	37.2

Technical Sheet

GSI 4

Balkenschuhe mit innenliegenden Flanschen





Tragfähigkeiten - Balken an Balken - Teilausnagelung

Referenz	Balkenschuh-Tragfähigkeit					
	Charakter. Tragfähigkeit - Holz an Holz - Teilausnagelung					
	Verbindungsmittel		Charakter. Tragfähigkeiten - Nadelholz C24[kN]			
	Hauptträger	Nebenträger	$R_{1,k}$	$R_{2,k}$	$R_{3,k}$	R4,k
	Anzahl	Anzahl	mit CNA 4.0x50	mit CNA 4.0x50	mit CNA 4.0x50	mit CNA 4.0x50
GSI380/76/4	8.0	4.0	10.1	3.3	3	3.9
GSI440/76/4	12.0	6.0	14.5	6.7	4.3	5.9
GSI500/76/4	14.0	8.0	18	8.8	5.4	6.9
GSI380/80/4	8.0	4.0	9.9	3.3	3.1	3.9
GSI440/80/4	12.0	6.0	14.3	6.7	4.4	5.9
GSI500/80/4	14.0	8.0	17.8	8.8	5.5	6.9
GSI540/80/4	16.0	8.0	19.9	11.1	5.3	7.8
GSI600/80/4	20.0	10.0	23.9	16.3	6.2	9.8
GSI660/80/4	22.0	12.0	27.9	19.2	7	10.8
GSI720/80/4	26.0	14.0	31.9	24.8	7.6	12.7
GSI780/80/4	28.0	14.0	31.9	24.8	7.1	13.7
GSI840/80/4	32.0	16.0	35.9	28.4	7.6	15.7
GSI900/80/4	34.0	18.0	39.9	31.9	8	16.7
GSI960/80/4	38.0	20.0	43.9	35.5	8.4	18.6
GSI1020/80/4	40.0	20.0	43.9	35.5	7.9	19.6
GSI380/90/4	8.0	4.0	9.6	3.3	3.2	3.9
GSI440/90/4	12.0	6.0	13.8	6.7	4.6	5.9
GSI500/90/4	14.0	8.0	17.3	8.8	5.8	6.9
GSI540/90/4	16.0	8.0	19.9	11.1	5.6	7.8
GSI600/90/4	20.0	10.0	23.9	16.3	6.6	9.8
GSI660/90/4	22.0	12.0	27.9	19.2	7.5	10.8
GSI720/90/4	26.0	14.0	31.9	24.8	8.2	12.7
GSI780/90/4	28.0	14.0	31.9	24.8	7.7	13.7
GSI840/90/4	32.0	16.0	35.9	28.4	8.3	15.7
GSI900/90/4	34.0	18.0	39.9	31.9	8.8	16.7
GSI960/90/4	38.0	20.0	43.9	35.5	9.2	18.6
GSI1020/90/4	40.0	20.0	43.9	35.5	8.7	19.6
GSI380/100/4	8.0	4.0	9.2	3.3	3.3	3.9
GSI440/100/4	12.0	6.0	13.3	6.7	4.8	5.9
GSI500/100/4	14.0	8.0	16.8	8.8	6.1	6.9
GSI540/100/4	16.0	8.0	19.9	11.1	5.9	7.8
GSI600/100/4	20.0	10.0	23.9	16.3	7	9.8
GSI660/100/4	22.0	12.0	27.9	19.2	8	10.8
GSI720/100/4	26.0	14.0	31.9	24.8	8.8	12.7
GSI780/100/4	28.0	14.0	31.9	24.8	8.3	13.7
GSI840/100/4	32.0	16.0	35.9	28.4	8.9	15.7
GSI900/100/4	34.0	18.0	39.9	31.9	9.5	16.7
GSI960/100/4	38.0	20.0	43.9	35.5	10	18.6

Nagelbilder gem. ETA

Technical Sheet

GSI 4

Balkenschuhe mit innenliegenden Flanschen

Referenz	Balkenschuh-Tragfähigkeit					
	Charakter. Tragfähigkeit - Holz an Holz - Teilausnagelung					
	Verbindungsmittel		Charakter. Tragfähigkeiten - Nadelholz C24[kN]			
	Hauptträger	Nebenträger	$R_{1,k}$	$R_{2,k}$	$R_{3,k}$	R4,k
	Anzahl	Anzahl	mit CNA 4.0x50	mit CNA 4.0x50	mit CNA 4.0x50	mit CNA 4.0x50
GSI1020/100/4	40.0	20.0	43.9	35.5	9.5	19.6
GSI540/120/4	16.0	8.0	19	11.1	6.3	7.8
GSI600/120/4	20.0	10.0	23.9	16.3	7.6	9.8
GSI660/120/4	22.0	12.0	27.9	19.2	8.7	10.8
GSI720/120/4	26.0	14.0	31.9	24.8	9.7	12.7
GSI780/120/4	28.0	14.0	31.9	24.8	9.2	13.7
GSI840/120/4	32.0	16.0	35.9	28.4	10	15.7
GSI900/120/4	34.0	18.0	39.9	31.9	10.7	16.7
GSI960/120/4	38.0	20.0	43.9	35.5	11.4	18.6
GSI1020/120/4	40.0	20.0	43.9	35.5	10.8	19.6
GSI500/140/4	12.0	6.0	14.3	6.7	5.2	5.9
GSI540/140/4	14.0	8.0	16.8	8.8	6.9	6.9
GSI600/140/4	18.0	10.0	21.8	13.6	8.3	8.8
GSI660/140/4	20.0	10.0	23.9	16.3	8	9.8
GSI720/140/4	24.0	12.0	27.9	21.3	9.3	11.8
GSI780/140/4	26.0	14.0	31.9	24.8	10.4	12.7
GSI840/140/4	30.0	16.0	35.9	28.4	11.4	14.7
GSI900/140/4	32.0	16.0	35.9	28.4	10.9	15.7
GSI960/140/4	34.0	18.0	39.9	31.9	11.8	16.7
GSI1020/140/4	38.0	20.0	43.9	35.5	12.5	18.6
GSI500/160/4	12.0	6.0	13.3	6.7	5.4	5.9
GSI540/160/4	14.0	8.0	15.8	8.8	7.1	6.9
GSI600/160/4	20.0	10.0	23.9	16.3	8.6	8.8
GSI660/160/4	20.0	10.0	23.9	16.3	8.4	9.8
GSI720/160/4	24.0	12.0	27.9	21.3	9.7	11.8
GSI780/160/4	26.0	14.0	31.9	24.8	11	12.7
GSI840/160/4	30.0	16.0	35.9	28.4	12.1	14.7
GSI900/160/4	32.0	16.0	35.9	28.4	11.7	15.7
GSI960/160/4	34.0	18.0	39.9	31.9	12.6	16.7
GSI1020/160/4	38.0	20.0	43.9	35.5	13.5	18.6
GSI500/180/4	12.0	6.0	12.2	6.7	5.5	5.9
GSI540/180/4	14.0	8.0	14.7	8.8	7.2	6.9
GSI600/180/4	20.0	10.0	23.9	16.3	8.8	8.8
GSI660/180/4	20.0	10.0	23.9	16.3	8.6	9.8
GSI720/180/4	24.0	12.0	27.9	21.3	10.1	11.8
GSI780/180/4	26.0	14.0	31.9	24.8	11.4	12.7
GSI840/180/4	30.0	16.0	35.9	28.4	12.6	14.7
GSI900/180/4	32.0	16.0	35.9	28.4	12.2	15.7
GSI960/180/4	34.0	18.0	39.9	31.9	13.3	16.7
GSI1020/180/4	38.0	20.0	43.9	35.5	14.3	18.6
GSI500/200/4	12.0	6.0	11.1	6.7	5.5	5.9
GSI540/200/4	14.0	8.0	13.5	8.8	7.3	6.9
GSI600/200/4	20.0	10.0	22.7	16.3	9	8.8
GSI660/200/4	20.0	10.0	22.7	16.3	8.8	9.8

Nagelbilder gem. ETA

Technical Sheet

GSI 4

Balkenschuhe mit innenliegenden Flanschen

Referenz	Balkenschuh-Tragfähigkeit					
	Charakter. Tragfähigkeit - Holz an Holz - Teilausnagelung					
	Verbindungsmittel		Charakter. Tragfähigkeiten - Nadelholz C24[kN]			
	Hauptträger	Nebenträger	$R_{1,k}$	$R_{2,k}$	$R_{3,k}$	R4,k
	Anzahl	Anzahl	mit CNA 4.0x50	mit CNA 4.0x50	mit CNA 4.0x50	mit CNA 4.0x50
GSI720/200/4	24.0	12.0	27.9	21.3	10.3	11.8
GSI780/200/4	26.0	14.0	31.9	24.8	11.8	12.7
GSI840/200/4	30.0	16.0	35.9	28.4	13.1	14.7
GSI900/200/4	32.0	16.0	35.9	28.4	12.7	15.7
GSI960/200/4	34.0	18.0	39.9	31.9	13.9	16.7
GSI1020/200/4	38.0	20.0	43.9	35.5	15	18.6

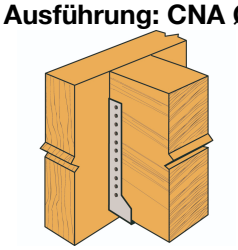
Nagelbilder gem. ETA

Installation

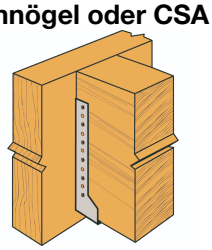
Befestigung

Die angegebenen Tragfähigkeiten des Verbinders sind gültig bei der Verwendung von CE gekennzeichneten Verbindungsmitteln nach ETA-04/0013.
Nebenträger:
CNA Kammnägel Ø 4.0x50 mm.
CNA Kammnägel Ø 4.0x35 mm bei einer Breite kleiner 64 mm.
CSA Schrauben Ø 5.0x40 mm.
CSA Schruaben Ø 5.0x35 mm ei einer Breite kleiner 60 mm.
R30 Ausführung: CNA Ø4.0 x 75 mm Kammnägel oder CSA 5,0 x 80-DE Schrauben
Hauptträger:

CNA Kammnägel Ø 4.0x50 mm.
CSA Schrauben Ø 5.0x40 mm.
R30 Ausführung: CNA Ø 4.0x75 mm Kammnögel oder CSA 5,0 x 80-DE Schrauben



Vollausnagelung



Teilausnagelung

Simpson Strong-Tie GmbH
Hubert-Vergölst-Str. 6-14 D-61231 Bad Nauheim
tel: +49 (6032) 86 80- 0
fax : +49 (6032) 86 80- 199
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