



GSE



GSI

Les grands sabots à ailes extérieures ou intérieures sont préconisés dans de nombreux cas. Ils permettent d'assembler une structure efficacement sans usinage à façon et ainsi de fiabiliser l'ouvrage. De même, la multitude des applications rendues possibles par la polyvalence de ces produits les rendent aujourd'hui incontournables dans la construction. Les ailes repliées en intérieur permettent un assemblage plus discret.

Caractéristiques

MATIÈRE :

Acier galvanisé S250GD
+ Z275 suivant NF EN 10346
Épaisseur : 2,5 ou 4 mm.



AVANTAGES :

- Installation rapide et simple
- Les sabots en épaisseur 4 mm sont conformes à l'Eurocode 5 1-2

Applications

SUPPORT :

Porteur : bois massif, bois composite, lamellé collé, béton, acier.

Porté : bois massif, bois composite, fermes triangulées, profilés.

DOMAINES D'UTILISATION :

- Solives,
- Panes,
- Poutres lisses et montants de bardage,
- Butées de chevrons,
- Renforcement d'assemblages existants...

Fixations

Pour garantir les charges, les pointes et vis utilisées doivent être conformes à l'ETA-04/0013. La fixation sur support rigide nécessite l'emploi de fixations marquées CE, les préconisations du fabricant doivent être respectées.

Sur porté :

- Pointes annelées CNA Ø4.0 x 50 mm
- Pointes annelées CNA Ø4.0 x 35 mm pour les épaisseurs inférieures à 64 mm
- Vis CSA Ø5.0 x 40 mm
- Vis CSA Ø5.0 x 35 mm pour les épaisseurs inférieures à 60 mm

Sur porteur :

Support bois :

- Pointes annelées CNA Ø4.0 x 50 mm
- Pointes annelées CNA Ø4.0 x 35 mm pour les épaisseurs inférieures à 64 mm
- Vis CSA Ø5.0 x 40 mm
- Vis CSA Ø5.0 x 35 mm pour les épaisseurs inférieures à 60 mm

Support acier (uniquement ailes extérieures) :

- Boulons Ø12 ou Ø10 mm
- Le diamètre du boulon ne peut être inférieur de plus de 2 mm à celui du perçage.

Support béton (uniquement ailes extérieures) :

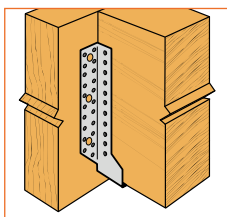
- Cheville mécanique : goujon WA M12-104/5
- Ancrage chimique : résine AT-HP + Tige filetée LMAS M12-150/35

ATTENTION : Les sabots ailes intérieures ne sont pas préconisés sur support béton et maçonnerie.

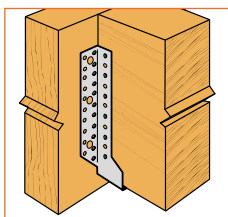
Support maçonnerie creuse : (reprise de charges des ancrages à vérifier)

- Ancrage chimique : résine AT-HP ou POLY-GP + LMAS M12-150/35 + tamis SH M16-130

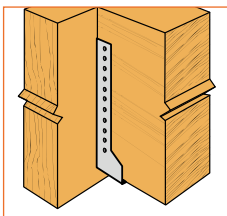
Mise en oeuvre



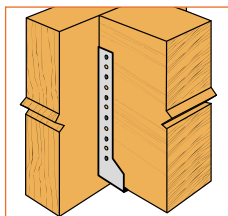
GSE : Fixation sur support BOIS
Clouage total



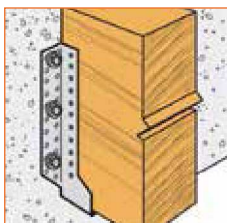
GSE : Fixation sur support BOIS
Clouage partiel



GSI : Fixation sur support BOIS
Clouage total



GSI : Fixation sur support BOIS
Clouage partiel



GSE : Fixation sur support rigide
BÉTON ou ACIER



LA BONNE FIXATION !

LA BONNE FIXATION !

Autres largeurs

Nos sabots sont disponibles en d'autres largeurs que celles indiquées dans nos tableaux. Les dimensions doivent être comprises dans les plages de largeurs indiquées dans le tableau ci-dessous. Les valeurs caractéristiques sont disponibles auprès de notre service technique. Contactez nous.

PLAGES DES LARGEURS				
GSE		GSI		Larg. Max
MODELE	Larg. Min	MODELE	Larg. Min	
GSE300	32	GSI300	76	110
GSE340	32	GSI340	76	110
GSE380	32	GSI380	76	136
GSE440	32	GSI440	76	136
GSE500	32	GSI500	76	200
GSE540	32	GSI540	76	200
GSE600	32	GSI600	76	200
GSE660	32	GSI660	76	200
GSE720	32	GSI720	76	200
GSE780	32	GSI780	76	200
GSE840	32	GSI840	76	200
GSE900	32	GSI900	76	200
GSE960	32	GSI960	76	200
GSE1020	32	GSI1020	76	200

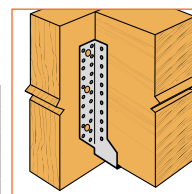


Données techniques

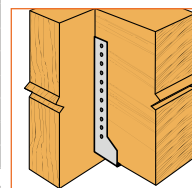
FIXATION BOIS/BOIS - CLOUAGE TOTAL / Epaisseur 2,5

Bois porté			Type	MODELE	Dimensions en mm				Fixations			Valeurs caractéristiques [kN] BOIS/BOIS Classe C24			
Larg.	Hauteur				A	B	C	Ep.	Porteur	Porté	Type	Descendante	Ascendante	Latérale	Traction
	Min.	Max.													
32	144	201	GSE	GSE300/32/2,5	32	134	110	2.5	12	6	04,0 x 35	8.5	2.6	2.0	3.7
	164	231		GSE340/32/2,5	32	154	110	2.5	16	8	04,0 x 35	11.5	4.3	2.5	4.9
38	141	196.50		GSE300/38/2,5	38	131	110	2.5	12	6	04,0 x 35	8.2	2.6	2.2	3.7
	161	226.50		GSE340/38/2,5	38	151	110	2.5	8	8	04,0 x 35	11.1	4.3	2.8	4.9
	211	301.50		GSE440/38/2,5	38	201	110	2.5	22	12	04,0 x 35	18.4	7.5	4.0	7.4
50	135	187.50		GSE300/50/2,5	50	125	110	2.5	12	6	04,0 x 35	7.7	2.6	2.6	3.7
	155	217.50		GSE340/50/2,5	50	145	110	2.5	16	8	04,0 x 35	10.5	4.3	3.3	4.9
	235	337.50		GSE500/50/2,5	50	225	110	2.5	28	14	04,0 x 35	23.6	11.5	5.1	8.6
64	128	177		GSE300/64/2,5	64	118	110	2.5	12	6	04,0 x 50	10.9	4.2	4.3	5.9
	148	207		GSE340/64/2,5	64	138	110	2.5	16	8	04,0 x 50	15.0	6.9	5.5	7.8
	168	237		GSE380/64/2,5	64	158	110	2.5	16	8	04,0 x 50	18.0	6.9	5.5	7.8
70	165	233		GSE380/70/2,5	70	155	110	2.5	16	8	04,0 x 50	17.6	6.9	5.8	7.8
	195	278		GSE440/70/2,5	70	185	110	2.5	22	12	04,0 x 50	24.9	11.9	8.2	11.8
	225	323		GSE500/70/2,5	70	215	110	2.5	28	14	04,0 x 50	31.9	18.0	9.0	13.7
76	162	228		GSE380/76/2,5	76	152	110	2.5	16	8	04,0 x 50	17.2	6.9	6.0*	7.8
	192	273		GSE440/76/2,5	76	182	110	2.5	22	12	04,0 x 50	24.4	11.9	8.6*	11.8
	222	318		GSE500/76/2,5	76	212	110	2.5	28	14	04,0 x 50	31.9	18.0	9.4*	13.7
80	160	225		GSE380/80/2,5	80	150	110	2.5	16	8	04,0 x 50	16.9	6.9	6.1*	7.8
	190	270	GSE440/80/2,5	80	180	110	2.5	22	12	04,0 x 50	24.1	11.9	8.8*	11.8	
	220	315	GSE500/80/2,5	80	210	110	2.5	28	14	04,0 x 50	31.9	18.0	9.7*	13.7	
	240	345	GSE540/80/2,5	80	230	110	2.5	32	16	04,0 x 50	35.9	22.7	10.6*	15.7	
	270	390	GSE600/80/2,5	80	260	110	2.5	38	20	04,0 x 50	43.8	30.4	12.4*	19.6	
	300	435	GSE660/80/2,5	80	290	110	2.5	44	22	04,0 x 50	47.8	39.0	12.8*	21.6	
	330	480	GSE720/80/2,5	80	320	110	2.5	50	26	04,0 x 50	55.8	46.0	14.1*	25.5	
	360	525	GSE780/80/2,5	80	350	110	2.5	56	28	04,0 x 50	59.8	49.6	14.2*	27.4	
	390	570	GSE840/80/2,5	80	380	110	2.5	62	32	04,0 x 50	67.8	56.7	15.2*	31.4	
	420	615	GSE900/80/2,5	80	410	110	2.5	68	36	04,0 x 50	75.7	63.8	16.0*	33.3	
	450	660	GSE960/80/2,5	80	440	110	2.5	74	38	04,0 x 50	79.7	67.3	15.9*	37.2	
	480	705	GSE1020/80/2,5	80	470	110	2.5	80	40	04,0 x 50	83.7	70.9	15.8*	39.2	
90	155	218	GSE380/90/2,5	90	145	110	2.5	16	8	04,0 x 50	16.1	6.9	6.4	7.8	
	185	263	GSE440/90/2,5	90	175	110	2.5	22	12	04,0 x 50	23.2	11.9	9.2	11.8	
	215	308	GSE500/90/2,5	90	205	110	2.5	28	14	04,0 x 50	31.5	18.0	10.2	13.7	
	235	338	GSE540/90/2,5	90	225	110	2.5	32	16	04,0 x 50	43.8	30.4	13.3	19.6	
	265	383	GSE600/90/2,5	90	255	110	2.5	38	20	04,0 x 50	43.8	30.4	13.3	19.6	
	295	428	GSE660/90/2,5	90	285	110	2.5	44	22	04,0 x 50	47.8	39.0	13.8	21.6	
	325	473	GSE720/90/2,5	90	315	110	2.5	50	26	04,0 x 50	55.8	46.0	15.3	25.5	
	355	518	GSE780/90/2,5	90	345	110	2.5	56	28	04,0 x 50	59.8	49.6	15.4	27.4	
	385	563	GSE840/90/2,5	90	375	110	2.5	62	32	04,0 x 50	67.8	56.7	16.6	31.4	
	415	608	GSE900/90/2,5	90	405	110	2.5	68	36	04,0 x 50	75.7	63.8	17.6	33.3	
	445	653	GSE960/90/2,5	90	435	110	2.5	74	38	04,0 x 50	79.7	67.3	17.5	37.2	
	475	698	GSE1020/90/2,5	90	465	110	2.5	80	40	04,0 x 50	83.7	70.9	17.4	39.2	
100	150	210	GSE380/100/2,5	100	140	110	2.5	16	8	04,0 x 50	15.3	6.9	6.6	7.8	
	180	255	GSE440/100/2,5	100	170	110	2.5	22	12	04,0 x 50	22.2	11.9	9.6	11.8	
	210	300	GSE500/100/2,5	100	200	110	2.5	28	14	04,0 x 50	30.4	18.0	10.7	13.7	
	230	330	GSE540/100/2,5	100	220	110	2.5	32	16	04,0 x 50	35.9	22.7	11.8	15.7	
	260	375	GSE600/100/2,5	100	250	110	2.5	38	20	04,0 x 50	43.8	30.4	14.0	19.6	
	290	420	GSE660/100/2,5	100	280	110	2.5	44	22	04,0 x 50	47.8	39.0	14.6	21.6	
	320	465	GSE720/100/2,5	100	310	110	2.5	50	26	04,0 x 50	55.8	46.0	16.3	25.5	
	350	510	GSE780/100/2,5	100	340	110	2.5	56	28	04,0 x 50	59.8	49.6	16.6	27.4	
	380	555	GSE840/100/2,5	100	370	110	2.5	62	32	04,0 x 50	67.8	56.7	17.9	31.4	
	410	600	GSE900/100/2,5	100	400	110	2.5	68	36	04,0 x 50	75.7	63.8	19.0	33.3	
	440	645	GSE960/100/2,5	100	430	110	2.5	74	38	04,0 x 50	79.7	67.3	19.0	37.2	
	470	690	GSE1020/100/2,5	100	460	110	2.5	80	40	04,0 x 50	83.7	70.9	18.9	39.2	
120	220	315	GSE540/120/2,5	120	210	110	2.5	32	16	04,0 x 50	34.0	22.7	12.7	15.7	
	250	360	GSE600/120/2,5	120	240	110	2.5	38	20	04,0 x 50	43.1	30.4	15.2	19.6	
	280	405	GSE660/120/2,5	120	270	110	2.5	44	22	04,0 x 50	47.8	39.0	16.0	21.6	
	310	450	GSE720/120/2,5	120	300	110	2.5	50	26	04,0 x 50	55.8	46.0	18.0	25.5	
	340	495	GSE780/120/2,5	120	330	110	2.5	56	28	04,0 x 50	59.8	49.6	18.4	27.4	
	370	540	GSE840/120/2,5	120	360	110	2.5	62	32	04,0 x 50	67.8	56.7	20.1	31.4	
	400	585	GSE900/120/2,5	120	390	110	2.5	68	36	04,0 x 50	75.7	63.8	21.5	33.3	
	430	630	GSE960/120/2,5	120	420	110	2.5	74	38	04,0 x 50	79.7	67.3	21.6	37.2	
	460	675	GSE1020/120/2,5	120	450	110	2.5	80	40	04,0 x 50	83.7	70.9	21.6	39.2	
	140	190	270	GSE500/140/2,5	140	180	110	2.5	22	12	04,0 x 50	24.1	11.9	10.5	11.8
		210	300	GSE540/140/2,5	140	200	110	2.5	26	14	04,0 x 50	29.5	15.9	12.0	11.8
		240	345	GSE600/140/2,5	140	230	110	2.5	32	18	04,0 x 50	38.2	22.7	15.0	15.7
270		390	GSE660/140/2,5	140	260	110	2.5	38	20	04,0 x 50	43.9	30.5	16.1	19.6	
300		435	GSE720/140/2,5	140	290	110	2.5	44	24	04,0 x 50	51.9	39.0	18.6	23.5	
330		480	GSE780/140/2,5	140	320	110	2.5	50	26	04,0 x 50	55.8	46.1	19.4	25.5	
360		525	GSE840/140/2,5	140	350	110	2.5	56	30	04,0 x 50	63.8	53.2	21.4	29.4	
390		570	GSE900/140/2,5	140	380	110	2.5	62	32	04,0 x 50	67.8	56.7	21.9	31.4	
420		615	GSE960/140/2,5	140	410	110	2.5	68	34	04,0 x 50	71.8	60.3	22.3	33.3	
450		660	GSE1020/140/2,5	140	440	110	2.5	74	38	04,0 x 50	79.8	67.4	23.8	37.2	

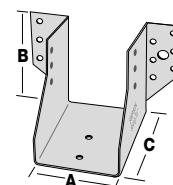
* Valable uniquement pour GSE



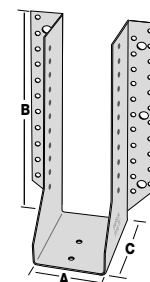
GSE



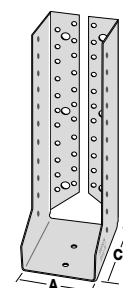
GSI



GSE 300



GSE 660

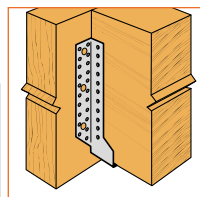


GSI 660

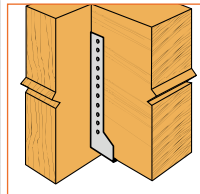
Données techniques

FIXATION BOIS/BOIS - CLOUAGE TOTAL / Epaisseur 2,5 (suite)

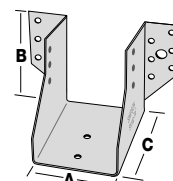
Bois porté			Type	MODELE	Dimensions en mm				Fixations			Valeurs caractéristiques [kN] BOIS/BOIS Classe C24					
Larg.	Hauteur				A	B	C	Ep.	Nombre		Type	Descendante	Ascendante	Latérale	Traction		
	Min.	Max.							Porteur	Porté						Pointes annelées	
160	180	255	GSE	GSE500/160/2,5	160	170	110	2.5	22	12	04.0 x 50	22.2	11.9	10.7	11.8		
	200	285		GSE540/160/2,5	160	190	110	2.5	26	14	04.0 x 50	27.5	15.9	12.3	11.8		
	230	330		GSE600/160/2,5	160	220	110	2.5	32	18	04.0 x 50	36.0	22.7	15.5	15.7		
	260	375		GSE660/160/2,5	160	250	110	2.5	38	20	04.0 x 50	51.8	39.0	20.1	19.6		
	290	420		GSE720/160/2,5	160	280	110	2.5	44	24	04.0 x 50	51.8	39.0	19.4	23.5		
	320	465		GSE780/160/2,5	160	310	110	2.5	50	26	04.0 x 50	55.8	46.0	20.4	25.5		
	350	510		GSE840/160/2,5	160	340	110	2.5	56	30	04.0 x 50	63.8	53.1	22.7	29.4		
	380	555		GSE900/160/2,5	160	370	110	2.5	62	32	04.0 x 50	67.8	56.7	23.3	31.4		
	410	600		GSE960/160/2,5	160	400	110	2.5	68	34	04.0 x 50	71.8	60.2	23.8	33.3		
	440	645		GSE1020/160/2,5	160	430	110	2.5	74	38	04.0 x 50	79.7	67.3	25.6	37.2		
	180	170		240	GSI	GSE500/180/2,5	180	160	110	2.5	22	12	04.0 x 50	20.3	11.9	10.9	11.8
		190		270		GSE540/180/2,5	180	180	110	2.5	26	14	04.0 x 50	25.4	15.9	12.6	11.8
		220		315		GSE600/180/2,5	180	210	110	2.5	32	18	04.0 x 50	33.7	22.7	15.9	15.7
		250		360		GSE660/180/2,5	180	240	110	2.5	38	20	04.0 x 50	51.8	39.0	20.7	19.6
280		405	GSE720/180/2,5	180		270	110	2.5	44	24	04.0 x 50	51.8	39.0	20.1	23.5		
310		450	GSE780/180/2,5	180		300	110	2.5	50	26	04.0 x 50	55.8	46.0	21.2	25.5		
340		495	GSE840/180/2,5	180		330	110	2.5	56	30	04.0 x 50	63.8	53.1	23.7	29.4		
370		540	GSE900/180/2,5	180		360	110	2.5	62	32	04.0 x 50	67.8	56.7	24.5	31.4		
400		585	GSE960/180/2,5	180		390	110	2.5	68	34	04.0 x 50	71.8	60.2	25.1	33.3		
430		630	GSE1020/180/2,5	180		420	110	2.5	74	38	04.0 x 50	79.7	67.3	27.1	37.2		
200	160	225	GSE	GSE500/200/2,5	200	150	110	2.5	22	12	04.0 x 50	18.2	11.9	11.0	11.8		
	180	255		GSE540/200/2,5	200	170	110	2.5	26	14	04.0 x 50	23.1	15.9	12.8	11.8		
	210	300		GSE600/200/2,5	200	200	110	2.5	32	18	04.0 x 50	31.3	22.7	16.2	15.7		
	240	345		GSE660/200/2,5	200	230	110	2.5	38	20	04.0 x 50	50.3	39.0	21.1	19.6		
	270	390		GSE720/200/2,5	200	260	110	2.5	44	24	04.0 x 50	50.3	39.0	20.6	23.5		
	300	435		GSE780/200/2,5	200	290	110	2.5	50	26	04.0 x 50	55.8	46.0	21.8	25.5		
	330	480		GSE840/200/2,5	200	320	110	2.5	56	30	04.0 x 50	63.8	53.1	24.5	29.4		
	360	525		GSE900/200/2,5	200	350	110	2.5	62	32	04.0 x 50	67.8	56.7	25.4	31.4		
	390	570		GSE960/200/2,5	200	380	110	2.5	68	34	04.0 x 50	71.8	60.2	26.2	33.3		
	420	615		GSE1020/200/2,5	200	410	110	2.5	74	38	04.0 x 50	79.7	67.3	28.4	37.2		



GSE



GSI



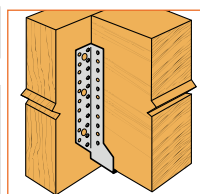
GSE 300

Sabots

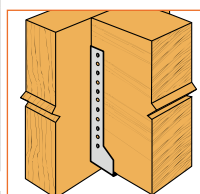
3

FIXATION BOIS/BOIS - CLOUAGE PARTIEL / Epaisseur 2,5

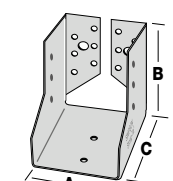
Bois porté			Type	MODELE	Dimensions en mm				Fixations			Valeurs caractéristiques [kN] BOIS/BOIS Classe C24			
Larg.	Hauteur				A	B	C	Ep.	Nombre		Type	Descendante	Ascendante	Latérale	Traction
	Min.	Max.							Porteur	Porté					
32	144	201	GSE	GSE300/32/2,5	32	134	110	2.5	6	4	04.0 x 35	4.9	1.2	1.3	1.8
	164	231		GSE340/32/2,5	32	154	110	2.5	8	4	04.0 x 35	6.8	2.0	1.2	2.5
	141	197		GSE300/38/2,5	38	131	110	2.5	6	4	04.0 x 35	4.8	1.2	1.5	1.8
38	161	227	GSE	GSE340/38/2,5	38	151	110	2.5	8	4	04.0 x 35	6.6	2.0	1.4	2.5
	211	302		GSE440/38/2,5	38	201	110	2.5	12	6	04.0 x 35	10.8	4.2	2.0	3.7
50	135	188	GSE	GSE300/50/2,5	50	125	110	2.5	6	4	04.0 x 35	4.5	1.2	1.7	1.8
	155	218		GSE340/50/2,5	50	145	110	2.5	8	4	04.0 x 35	6.3	2.0	1.6	2.8
	235	338		GSE500/50/2,5	50	225	110	2.5	14	8	04.0 x 35	12.9	5.6	2.9	4.3
64	128	177	GSE	GSE300/64/2,5	64	118	110	2.5	6	4	04.0 x 50	6.4	2.0	2.8	2.9
	148	207		GSE340/64/2,5	64	138	110	2.5	8	4	04.0 x 50	9.0	3.2	2.7	3.9
	168	237		GSE380/64/2,5	64	158	110	2.5	8	4	04.0 x 50	10.4	3.2	2.7	3.9
70	165	233	GSE	GSE380/70/2,5	70	155	110	2.5	8	4	04.0 x 50	10.2	3.2	2.9	3.9
	195	278		GSE440/70/2,5	70	185	110	2.5	12	6	04.0 x 50	14.7	6.6	4.1	5.9
	225	323		GSE500/70/2,5	70	215	110	2.5	14	8	04.0 x 50	18.2	8.7	5.1	6.9
76	162	228	GSE	GSE380/76/2,5	76	152	110	2.5	8	4	04.0 x 50	10.0	3.2	3.0*	3.9
	192	273		GSE440/76/2,5	76	182	110	2.5	12	6	04.0 x 50	14.4	6.6	4.3*	5.9
	222	318		GSE500/76/2,5	76	212	110	2.5	14	8	04.0 x 50	18.0	8.7	5.4*	6.9
80	160	225	GSI	GSE380/80/2,5	80	150	110	2.5	8	4	04.0 x 50	9.9	3.2	3.0*	3.9
	190	270		GSE440/80/2,5	80	180	110	2.5	12	6	04.0 x 50	14.2	6.6	4.4*	5.9
	220	315		GSE500/80/2,5	80	210	110	2.5	14	8	04.0 x 50	17.8	8.7	5.5*	6.9
	240	345		GSE540/80/2,5	80	230	110	2.5	16	8	04.0 x 50	19.9	11.0	5.3*	7.8
	270	390		GSE600/80/2,5	80	260	110	2.5	20	10	04.0 x 50	23.9	16.3	6.2*	9.8
	300	435		GSE660/80/2,5	80	290	110	2.5	22	12	04.0 x 50	27.9	19.1	7.0*	10.8
	330	480		GSE720/80/2,5	80	320	110	2.5	26	14	04.0 x 50	31.9	24.8	7.6*	12.7
	360	525		GSE780/80/2,5	80	350	110	2.5	28	14	04.0 x 50	31.9	24.8	7.1*	13.7
	390	570		GSE840/80/2,5	80	380	110	2.5	32	16	04.0 x 50	35.9	28.3	7.6*	15.7
	420	615		GSE900/80/2,5	80	410	110	2.5	34	18	04.0 x 50	39.8	31.9	8.0*	16.7
	450	660		GSE960/80/2,5	80	440	110	2.5	38	20	04.0 x 50	43.8	35.4	8.4*	18.6
	480	705		GSE1020/80/2,5	80	470	110	2.5	40	20	04.0 x 50	43.8	35.4	7.9*	19.6



GSE



GSI



GSI 300

* Valable uniquement pour GSE

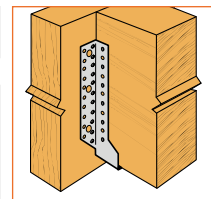
D/G-F 2016 - SIMPSON STRONG-TIE n'est pas responsable d'éventuelles erreurs d'impression.



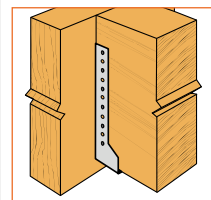
Données techniques

FIXATION BOIS/BOIS - CLOUAGE PARTIEL / Epaisseur 2,5 (suite)

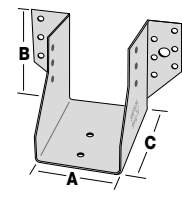
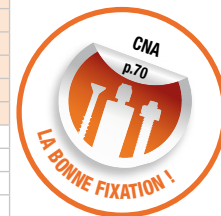
Bois porté			Type	MODELE	Dimensions en mm				Fixations			Valeurs caractéristiques [kN] BOIS/BOIS Classe C24					
Larg.	Hauteur				A	B	C	Ep.	Porteur	Porté	Pointes annelées	Descendante	Ascendante	Latérale	Traction		
90	155	218	GSE	GSE380/90/2,5	90	145	110	2.5	8	4	Ø4.0 x 50	9.5	3.2	3.2	3.9		
	185	263		GSE440/90/2,5	90	175	110	2.5	12	6	Ø4.0 x 50	13.8	6.6	4.6	5.9		
	215	308		GSE500/90/2,5	90	205	110	2.5	14	8	Ø4.0 x 50	17.3	8.7	5.8	6.9		
	235	338		GSE540/90/2,5	90	225	110	2.5	16	8	Ø4.0 x 50	19.9	11.0	5.6	7.8		
	265	383		GSE600/90/2,5	90	255	110	2.5	20	10	Ø4.0 x 50	23.9	16.3	6.6	9.8		
	295	428		GSE660/90/2,5	90	285	110	2.5	22	12	Ø4.0 x 50	27.9	19.1	7.5	10.8		
	325	473		GSE720/90/2,5	90	315	110	2.5	26	14	Ø4.0 x 50	31.9	24.8	8.2	12.7		
	355	518		GSE780/90/2,5	90	345	110	2.5	28	14	Ø4.0 x 50	31.9	24.8	7.7	13.7		
	385	563		GSE840/90/2,5	90	375	110	2.5	32	16	Ø4.0 x 50	35.9	28.3	8.3	15.7		
	415	608		GSE900/90/2,5	90	405	110	2.5	34	18	Ø4.0 x 50	39.8	31.9	8.8	16.7		
	445	653		GSE960/90/2,5	90	435	110	2.5	38	20	Ø4.0 x 50	43.8	35.4	9.2	18.6		
	475	698		GSE1020/90/2,5	90	465	110	2.5	40	20	Ø4.0 x 50	43.8	35.4	8.7	19.6		
	100	150		210	GSE	GSE380/100/2,5	100	140	110	2.5	8	4	Ø4.0 x 50	9.2	3.2	3.3	3.9
		180		255		GSE440/100/2,5	100	170	110	2.5	12	6	Ø4.0 x 50	13.2	6.6	4.8	5.9
210		300	GSE500/100/2,5	100		200	110	2.5	14	8	Ø4.0 x 50	16.8	8.7	6.1	6.9		
230		330	GSE540/100/2,5	100		220	110	2.5	16	8	Ø4.0 x 50	19.9	11.0	5.9	7.8		
260		375	GSE600/100/2,5	100		250	110	2.5	20	10	Ø4.0 x 50	23.9	16.3	7.0	9.8		
290		420	GSE660/100/2,5	100		280	110	2.5	22	12	Ø4.0 x 50	27.9	19.1	7.9	10.8		
320		465	GSE720/100/2,5	100		310	110	2.5	26	14	Ø4.0 x 50	31.9	24.8	8.8	12.7		
350		510	GSE780/100/2,5	100		340	110	2.5	28	14	Ø4.0 x 50	31.9	24.8	8.3	13.7		
380		555	GSE840/100/2,5	100		370	110	2.5	32	16	Ø4.0 x 50	35.9	28.3	8.9	15.7		
410		600	GSE900/100/2,5	100		400	110	2.5	34	18	Ø4.0 x 50	39.8	31.9	9.5	16.7		
440		645	GSE960/100/2,5	100		430	110	2.5	38	20	Ø4.0 x 50	43.8	35.4	10.0	18.6		
470		690	GSE1020/100/2,5	100		460	110	2.5	40	20	Ø4.0 x 50	43.8	35.4	9.4	19.6		
120		220	315	GSE		GSE540/120/2,5	120	210	110	2.5	16	8	Ø4.0 x 50	18.9	11.0	6.3	7.8
		250	360			GSE600/120/2,5	120	240	110	2.5	20	10	Ø4.0 x 50	23.9	16.3	7.6	9.8
	280	405	GSE660/120/2,5		120	270	110	2.5	22	12	Ø4.0 x 50	27.9	19.1	8.7	10.8		
	310	450	GSE720/120/2,5		120	300	110	2.5	26	14	Ø4.0 x 50	31.9	24.8	9.7	12.7		
	340	495	GSE780/120/2,5		120	330	110	2.5	28	14	Ø4.0 x 50	31.9	24.8	9.2	13.7		
	370	540	GSE840/120/2,5		120	360	110	2.5	32	16	Ø4.0 x 50	35.9	28.3	10.0	15.7		
	400	585	GSE900/120/2,5		120	390	110	2.5	34	18	Ø4.0 x 50	39.8	31.9	10.7	16.7		
	430	630	GSE960/120/2,5		120	420	110	2.5	38	20	Ø4.0 x 50	43.8	35.4	11.3	18.6		
	460	675	GSE1020/120/2,5		120	450	110	2.5	40	20	Ø4.0 x 50	43.8	35.4	10.8	19.6		
	140	190	270		GSI	GSE500/140/2,5	140	180	110	2.5	12	6	Ø4.0 x 50	14.3	6.7	5.2	5.9
		210	300			GSE540/140/2,5	140	200	110	2.5	14	8	Ø4.0 x 50	16.8	8.8	6.9	6.9
		240	345			GSE600/140/2,5	140	230	110	2.5	18	10	Ø4.0 x 50	21.8	13.6	8.3	8.8
		270	390			GSE660/140/2,5	140	260	110	2.5	20	10	Ø4.0 x 50	23.9	16.3	8.0	9.8
		300	435			GSE720/140/2,5	140	290	110	2.5	24	12	Ø4.0 x 50	27.9	21.3	9.3	11.8
330		480	GSE780/140/2,5	140		320	110	2.5	26	14	Ø4.0 x 50	31.9	24.8	10.4	12.7		
360		525	GSE840/140/2,5	140		350	110	2.5	30	16	Ø4.0 x 50	35.9	28.4	11.4	14.7		
390		570	GSE900/140/2,5	140		380	110	2.5	32	16	Ø4.0 x 50	35.9	28.4	10.9	15.7		
420		615	GSE960/140/2,5	140		410	110	2.5	34	18	Ø4.0 x 50	39.9	31.9	11.8	16.7		
450		660	GSE1020/140/2,5	140		440	110	2.5	38	20	Ø4.0 x 50	43.9	35.5	12.5	18.6		
160		180	255	GSE		GSE500/160/2,5	160	170	110	2.5	12	6	Ø4.0 x 50	13.2	6.6	5.3	5.9
		200	285			GSE540/160/2,5	160	190	110	2.5	14	8	Ø4.0 x 50	15.7	8.7	7.0	6.9
		230	330			GSE600/160/2,5	160	220	110	2.5	20	10	Ø4.0 x 50	23.9	16.3	8.6	8.8
		260	375			GSE660/160/2,5	160	250	110	2.5	20	10	Ø4.0 x 50	23.9	16.3	8.3	9.8
	290	420	GSE720/160/2,5		160	280	110	2.5	24	12	Ø4.0 x 50	27.9	21.2	9.7	11.8		
	320	465	GSE780/160/2,5		160	310	110	2.5	26	14	Ø4.0 x 50	31.9	24.8	10.9	12.7		
	350	510	GSE840/160/2,5		160	340	110	2.5	30	16	Ø4.0 x 50	35.9	28.3	12.1	14.7		
	380	555	GSE900/160/2,5		160	370	110	2.5	32	16	Ø4.0 x 50	35.9	28.3	11.6	15.7		
	410	600	GSE960/160/2,5		160	400	110	2.5	34	18	Ø4.0 x 50	39.8	31.9	12.6	16.7		
	440	645	GSE1020/160/2,5		160	430	110	2.5	38	20	Ø4.0 x 50	43.8	35.4	13.4	18.6		
	180	170	240		GSE	GSE500/180/2,5	180	160	110	2.5	12	6	Ø4.0 x 50	12.2	6.6	5.4	5.9
		190	270			GSE540/180/2,5	180	180	110	2.5	14	8	Ø4.0 x 50	14.6	8.7	7.2	6.9
		220	315			GSE600/180/2,5	180	210	110	2.5	20	10	Ø4.0 x 50	23.9	16.3	8.8	8.8
		250	360			GSE660/180/2,5	180	240	110	2.5	20	10	Ø4.0 x 50	23.9	16.3	8.6	9.8
280		405	GSE720/180/2,5	180		270	110	2.5	24	12	Ø4.0 x 50	27.9	21.2	10.0	11.8		
310		450	GSE780/180/2,5	180		300	110	2.5	26	14	Ø4.0 x 50	31.9	24.8	11.4	12.7		
340		495	GSE840/180/2,5	180		330	110	2.5	30	16	Ø4.0 x 50	35.9	28.3	12.6	14.7		
370		540	GSE900/180/2,5	180		360	110	2.5	32	16	Ø4.0 x 50	35.9	28.3	12.2	15.7		
400		585	GSE960/180/2,5	180		390	110	2.5	34	18	Ø4.0 x 50	39.8	31.9	13.3	16.7		
430		630	GSE1020/180/2,5	180		420	110	2.5	38	20	Ø4.0 x 50	43.8	35.4	14.3	18.6		
200		160	225	GSE		GSE500/200/2,5	200	150	110	2.5	12	6	Ø4.0 x 50	11.0	6.6	5.5	5.9
		180	255			GSE540/200/2,5	200	170	110	2.5	14	8	Ø4.0 x 50	13.4	8.7	7.3	6.9
		210	300			GSE600/200/2,5	200	200	110	2.5	20	10	Ø4.0 x 50	22.7	16.3	9.0	8.8
		240	345			GSE660/200/2,5	200	230	110	2.5	20	10	Ø4.0 x 50	22.7	16.3	8.8	9.8
	270	390	GSE720/200/2,5		200	260	110	2.5	24	12	Ø4.0 x 50	27.9	21.2	10.3	11.8		
	300	435	GSE780/200/2,5		200	290	110	2.5	26	14	Ø4.0 x 50	31.9	24.8	11.7	12.7		
	330	480	GSE840/200/2,5		200	320	110	2.5	30	16	Ø4.0 x 50	35.9	28.3	13.1	14.7		
	360	525	GSE900/200/2,5		200	350	110	2.5	32	16	Ø4.0 x 50	35.9	28.3	12.7	15.7		
	390	570	GSE960/200/2,5		200	380	110	2.5	34	18	Ø4.0 x 50	39.8	31.9	13.9	16.7		
	420	615	GSE1020/200/2,5		200	410	110	2.5	38	20	Ø4.0 x 50	43.8	35.4	14.9	18.6		



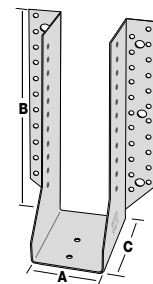
GSE



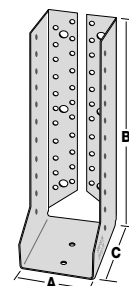
GSI



GSE 300



GSE 660

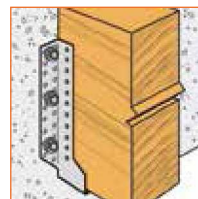


GSI 660

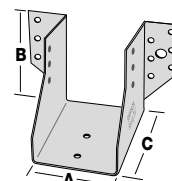
Données techniques

FIXATION BÉTON OU ACIER / Epaisseur 2,5

Bois porté			Type	MODELE	Dimensions en mm				Fixations		Valeurs caractéristiques [kN]			
Larg.	Hauteur				A	B	C	Ep.	Porteur (béton)	Porté (bois)	BOIS/BÉTON Classe C24			
	Min.	Max.						Nbre - Goujons	Nbre - Pointes annelées	Descendante	Ascendante	Latérale	Traction	
32	144	201	GSE	GSE300/32/2,5	32	134	110	2,5	2 - WA M12-104/5	6 - Ø4.0 x 35	12,1	2,4	20,0	5,0
	164	231		GSE340/32/2,5	32	154	110	2,5	2 - WA M12-104/5	8 - Ø4.0 x 35	15,1	2,9	20,0	5,0
38	141	197		GSE300/38/2,5	38	131	110	2,5	2 - WA M12-104/5	6 - Ø4.0 x 35	12,1	2,4	20,0	5,0
	161	227		GSE340/38/2,5	38	151	110	2,5	2 - WA M12-104/5	8 - Ø4.0 x 35	15,1	2,9	20,0	5,0
50	211	302		GSE440/38/2,5	38	201	110	2,5	2 - WA M12-104/5	12 - Ø4.0 x 35	21,1	5,5	20,0	10,0
	135	188		GSE300/50/2,5	50	125	110	2,5	2 - WA M12-104/5	8 - Ø4.0 x 35	12,1	2,4	20,0	5,0
64	155	218		GSE340/50/2,5	50	145	110	2,5	2 - WA M12-104/5	8 - Ø4.0 x 35	15,1	2,9	20,0	5,0
	235	338		GSE500/50/2,5	50	225	110	2,5	4 - WA M12-104/5	14 - Ø4.0 x 35	24,1	6,1	20,0	10,0
70	128	177		GSE300/64/2,5	64	118	110	2,5	2 - WA M12-104/5	6 - Ø4.0 x 50	16,0	3,4	20,0	5,0
	148	207		GSE340/64/2,5	64	138	110	2,5	2 - WA M12-104/5	8 - Ø4.0 x 50	19,8	4,0	20,0	5,0
76	168	237		GSE380/64/2,5	64	158	110	2,5	4 - WA M12-104/5	8 - Ø4.0 x 50	19,9	6,3	20,0	10,0
	165	233		GSE380/70/2,5	70	155	110	2,5	4 - WA M12-104/5	8 - Ø4.0 x 50	19,9	6,3	20,0	10,0
80	195	278		GSE440/70/2,5	70	185	110	2,5	4 - WA M12-104/5	12 - Ø4.0 x 50	27,9	7,7	20,0	10,0
	225	323		GSE500/70/2,5	70	215	110	2,5	4 - WA M12-104/5	12 - Ø4.0 x 50	31,9	8,3	20,0	10,0
86	162	228		GSE380/76/2,5	76	152	110	2,5	4 - WA M12-104/5	8 - Ø4.0 x 50	19,9	6,3	20,0	10,0
	192	273		GSE440/76/2,5	76	182	110	2,5	4 - WA M12-104/5	12 - Ø4.0 x 50	27,9	7,7	20,0	10,0
90	222	318		GSE500/76/2,5	76	212	110	2,5	4 - WA M12-104/5	14 - Ø4.0 x 50	31,9	8,3	20,0	10,0
	160	225		GSE380/80/2,5	80	150	110	2,5	4 - WA M12-104/5	8 - Ø4.0 x 50	19,9	6,3	20,0	10,0
94	190	270		GSE440/80/2,5	80	180	110	2,5	4 - WA M12-104/5	12 - Ø4.0 x 50	27,9	7,7	20,0	10,0
	220	315		GSE500/80/2,5	80	210	110	2,5	4 - WA M12-104/5	12 - Ø4.0 x 50	31,9	8,3	20,0	10,0
98	240	345	GSE540/80/2,5	80	230	110	2,5	4 - WA M12-104/5	16 - Ø4.0 x 50	49,7	28,4	20,0	10,0	
	270	390	GSE600/80/2,5	80	260	110	2,5	4 - WA M12-104/5	20 - Ø4.0 x 50	57,4	35,5	20,0	10,0	
102	300	435	GSE660/80/2,5	80	290	110	2,5	6 - WA M12-104/5	22 - Ø4.0 x 50	63,0	39,0	24,1	15,0	
	330	480	GSE720/80/2,5	80	320	110	2,5	6 - WA M12-104/5	26 - Ø4.0 x 50	71,9	46,1	24,1	15,0	
106	360	525	GSE780/80/2,5	80	350	110	2,5	6 - WA M12-104/5	28 - Ø4.0 x 50	76,3	49,6	24,1	15,0	
	390	570	GSE840/80/2,5	80	380	110	2,5	6 - WA M12-104/5	32 - Ø4.0 x 50	82,5	56,7	24,1	15,0	
110	420	615	GSE900/80/2,5	80	410	110	2,5	6 - WA M12-104/5	38 - Ø4.0 x 50	98,5	67,4	24,1	15,0	
	450	660	GSE960/80/2,5	80	440	110	2,5	6 - WA M12-104/5	38 - Ø4.0 x 50	80,4	64,3	24,1	15,0	
114	480	705	GSE1020/80/2,5	80	470	110	2,5	6 - WA M12-104/5	40 - Ø4.0 x 50	102,9	70,9	24,1	15,0	
	155	218	GSE380/90/2,5	90	145	110	2,5	4 - WA M12-104/5	8 - Ø4.0 x 50	19,9	6,3	20,0	10,0	
118	185	263	GSE440/90/2,5	90	175	110	2,5	4 - WA M12-104/5	12 - Ø4.0 x 50	27,9	7,7	20,0	10,0	
	215	308	GSE500/90/2,5	90	205	110	2,5	4 - WA M12-104/5	14 - Ø4.0 x 50	31,9	8,3	20,0	10,0	
122	235	338	GSE540/90/2,5	90	225	110	2,5	4 - WA M12-104/5	16 - Ø4.0 x 50	51,5	28,4	20,0	10,0	
	265	383	GSE600/90/2,5	90	255	110	2,5	4 - WA M12-104/5	20 - Ø4.0 x 50	57,4	35,5	20,0	10,0	
126	295	428	GSE660/90/2,5	90	285	110	2,5	6 - WA M12-104/5	22 - Ø4.0 x 50	64,8	39,0	24,1	15,0	
	325	473	GSE720/90/2,5	90	315	110	2,5	6 - WA M12-104/5	26 - Ø4.0 x 50	73,7	46,1	24,1	15,0	
130	355	518	GSE780/90/2,5	90	345	110	2,5	6 - WA M12-104/5	28 - Ø4.0 x 50	78,1	49,6	24,1	15,0	
	385	563	GSE840/90/2,5	90	375	110	2,5	6 - WA M12-104/5	32 - Ø4.0 x 50	82,5	56,7	24,1	15,0	
134	415	608	GSE900/90/2,5	90	405	110	2,5	6 - WA M12-104/5	38 - Ø4.0 x 50	100,3	67,4	24,1	15,0	
	445	653	GSE960/90/2,5	90	435	110	2,5	6 - WA M12-104/5	38 - Ø4.0 x 50	80,4	64,3	24,1	15,0	
138	475	698	GSE1020/90/2,5	90	465	110	2,5	6 - WA M12-104/5	40 - Ø4.0 x 50	104,7	70,9	24,1	15,0	
	150	210	GSE380/100/2,5	100	140	110	2,5	4 - WA M12-104/5	8 - Ø4.0 x 50	19,9	6,3	20,0	10,0	
142	180	255	GSE440/100/2,5	100	170	110	2,5	4 - WA M12-104/5	12 - Ø4.0 x 50	27,9	7,7	20,0	10,0	
	210	300	GSE500/100/2,5	100	200	110	2,5	4 - WA M12-104/5	14 - Ø4.0 x 50	31,9	8,3	20,0	10,0	
146	230	330	GSE540/100/2,5	100	220	110	2,5	4 - WA M12-104/5	16 - Ø4.0 x 50	53,3	28,4	20,0	10,0	
	260	375	GSE600/100/2,5	100	250	110	2,5	4 - WA M12-104/5	20 - Ø4.0 x 50	57,4	35,5	20,0	10,0	
150	290	420	GSE660/100/2,5	100	280	110	2,5	6 - WA M12-104/5	22 - Ø4.0 x 50	66,6	39,0	24,1	15,0	
	320	465	GSE720/100/2,5	100	310	110	2,5	6 - WA M12-104/5	26 - Ø4.0 x 50	75,5	46,1	24,1	15,0	
154	350	510	GSE780/100/2,5	100	340	110	2,5	6 - WA M12-104/5	28 - Ø4.0 x 50	79,9	49,6	24,1	15,0	
	380	555	GSE840/100/2,5	100	370	110	2,5	6 - WA M12-104/5	32 - Ø4.0 x 50	82,5	56,7	24,1	15,0	
158	410	600	GSE900/100/2,5	100	400	110	2,5	6 - WA M12-104/5	38 - Ø4.0 x 50	102	67,4	24,1	15,0	
	440	645	GSE960/100/2,5	100	430	110	2,5	6 - WA M12-104/5	38 - Ø4.0 x 50	80,4	64,3	24,1	15,0	
162	470	690	GSE1020/100/2,5	100	460	110	2,5	6 - WA M12-104/5	40 - Ø4.0 x 50	106,5	70,9	24,0	15,0	
	220	315	GSE540/120/2,5	120	210	110	2,5	4 - WA M12-104/5	16 - Ø4.0 x 50	56,9	28,4	20,0	10,0	
166	250	360	GSE600/120/2,5	120	240	110	2,5	4 - WA M12-104/5	20 - Ø4.0 x 50	57,4	35,5	20,0	10,0	
	280	405	GSE660/120/2,5	120	270	110	2,5	6 - WA M12-104/5	22 - Ø4.0 x 50	70,2	39,0	24,1	15,0	
170	310	450	GSE720/120/2,5	120	300	110	2,5	6 - WA M12-104/5	26 - Ø4.0 x 50	79,0	46,1	24,1	15,0	
	340	495	GSE780/120/2,5	120	330	110	2,5	6 - WA M12-104/5	28 - Ø4.0 x 50	83,4	49,6	24,1	15,0	
174	370	540	GSE840/120/2,5	120	360	110	2,5	6 - WA M12-104/5	32 - Ø4.0 x 50	82,5	56,7	24,1	15,0	
	400	585	GSE900/120/2,5	120	390	110	2,5	6 - WA M12-104/5	38 - Ø4.0 x 50	105,6	67,4	24,1	15,0	
178	430	630	GSE960/120/2,5	120	420	110	2,5	6 - WA M12-104/5	38 - Ø4.0 x 50	80,4	64,3	24,1	15,0	
	460	675	GSE1020/120/2,5	120	450	110	2,5	6 - WA M12-104/5	40 - Ø4.0 x 50	110,0	70,9	24,1	15,0	
182	190	270	GSE500/140/2,5	140	180	110	2,5	2 - WA M12-104/5	12 - Ø4.0 x 50	19,8	4,3	20,0	5,0	
	210	300	GSE540/140/2,5	140	200	110	2,5	4 - WA M12-104/5	14 - Ø4.0 x 50	56,0	24,8	20,0	10,0	
186	240	345	GSE600/140/2,5	140	230	110	2,5	4 - WA M12-104/5	18 - Ø4.0 x 50	57,4	31,9	20,0	10,0	
	270	390	GSE660/140/2,5	140	260	110	2,5	4 - WA M12-104/5	20 - Ø4.0 x 50	69,3	35,5	20,0	10,0	
190	300	435	GSE720/140/2,5	140	290	110	2,5	6 - WA M12-104/5	24 - Ø4.0 x 50	78,1	42,6	24,1	15,0	
	330	480	GSE780/140/2,5	140	320	110	2,5	6 - WA M12-104/5	26 - Ø4.0 x 50	82,6	46,1	24,1	15,0	
194	360	525	GSE840/140/2,5	140	350	110	2,5	6 - WA M12-104/5	30 - Ø4.0 x 50	84,0	53,2	24,1	15,0	
	390	570	GSE900/140/2,5	140	380	110	2,5	6 - WA M12-104/5	32 - Ø4.0 x 50	95,9	56,7	24,1	15,0	
198	420	615	GSE960/140/2,5	140	410	110	2,5	6 - WA M12-104/5	34 - Ø4.0 x 50	82,5	60,3	24,1	15,0	
	450	660	GSE1020/140/2,5	140	440	110	2,5	6 - WA M12-104/5	38 - Ø4.0 x 50	109,2	67,4	24,1	15,0	



GSE



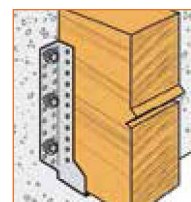
GSE 300



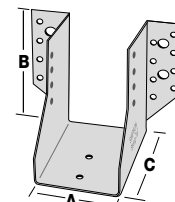
Données techniques

FIXATION BÉTON OU ACIER / Epaisseur 2,5 (suite)

Bois porté			Type	MODELE	Dimensions en mm				Fixations		Valeurs caractéristiques [kN] BOIS/BÉTON Classe C24			
Larg.	Hauteur				A	B	C	Ep.	Porteur (béton)		Descendante	Ascendante	Latérale	Traction
	Min.	Max.							Nbre - Goujons	Nbre - Pointes annelées				
160	180	255	GSE	GSE500/160/2,5	160	170	110	2,5	2 - WA M12-104/5	12 - Ø4,0 x 50	19,8	4,3	20,0	5,0
	200	285		GSE540/160/2,5	160	190	110	2,5	4 - WA M12-104/5	14 - Ø4,0 x 50	59,6	24,8	20,0	10,0
	230	330		GSE600/160/2,5	160	220	110	2,5	4 - WA M12-104/5	18 - Ø4,0 x 50	57,4	31,9	20,0	10,0
	260	375		GSE660/160/2,5	160	250	110	2,5	4 - WA M12-104/5	20 - Ø4,0 x 50	72,8	35,5	20,0	10,0
	290	420		GSE720/160/2,5	160	280	110	2,5	6 - WA M12-104/5	24 - Ø4,0 x 50	81,7	42,6	24,1	15,0
	320	465		GSE780/160/2,5	160	310	110	2,5	6 - WA M12-104/5	26 - Ø4,0 x 50	84,7	46,1	24,1	15,0
	350	510		GSE840/160/2,5	160	340	110	2,5	6 - WA M12-104/5	30 - Ø4,0 x 50	84,0	53,2	24,1	15,0
	380	555		GSE900/160/2,5	160	370	110	2,5	6 - WA M12-104/5	32 - Ø4,0 x 50	99,4	56,7	24,1	15,0
	410	600		GSE960/160/2,5	160	400	110	2,5	6 - WA M12-104/5	34 - Ø4,0 x 50	82,5	60,3	24,1	15,0
	440	645		GSE1020/160/2,5	160	430	110	2,5	6 - WA M12-104/5	38 - Ø4,0 x 50	112,7	67,4	24,1	15,0
180	170	240	GSE	GSE500/180/2,5	180	160	110	2,5	2 - WA M12-104/5	12 - Ø4,0 x 50	19,8	4,3	20,0	5,0
	190	270		GSE540/180/2,5	180	180	110	2,5	4 - WA M12-104/5	14 - Ø4,0 x 50	63,1	24,8	20,0	10,0
	220	315		GSE600/180/2,5	180	210	110	2,5	4 - WA M12-104/5	18 - Ø4,0 x 50	57,4	31,9	20,0	10,0
	250	360		GSE660/180/2,5	180	240	110	2,5	4 - WA M12-104/5	20 - Ø4,0 x 50	76,4	35,5	20,0	10,0
	280	405		GSE720/180/2,5	180	270	110	2,5	6 - WA M12-104/5	24 - Ø4,0 x 50	85,3	42,6	24,1	15,0
	310	450		GSE780/180/2,5	180	300	110	2,5	6 - WA M12-104/5	26 - Ø4,0 x 50	84,7	46,1	24,1	15,0
	340	495		GSE840/180/2,5	180	330	110	2,5	6 - WA M12-104/5	30 - Ø4,0 x 50	84,0	53,2	24,1	15,0
	370	540		GSE900/180/2,5	180	360	110	2,5	6 - WA M12-104/5	32 - Ø4,0 x 50	103	56,7	24,1	15,0
	400	585		GSE960/180/2,5	180	390	110	2,5	6 - WA M12-104/5	34 - Ø4,0 x 50	82,5	60,3	24,1	15,0
	430	630		GSE1020/180/2,5	180	420	110	2,5	6 - WA M12-104/5	38 - Ø4,0 x 50	116,3	67,4	24,1	15,0
200	160	225	GSE	GSE500/200/2,5	200	150	110	2,5	2 - WA M12-104/5	12 - Ø4,0 x 50	19,8	4,3	20,0	5,0
	180	255		GSE540/200/2,5	200	170	110	2,5	4 - WA M12-104/5	14 - Ø4,0 x 50	66,7	24,8	20,0	10,0
	210	300		GSE600/200/2,5	200	200	110	2,5	4 - WA M12-104/5	18 - Ø4,0 x 50	57,4	31,9	20,0	10,0
	240	345		GSE660/200/2,5	200	230	110	2,5	4 - WA M12-104/5	20 - Ø4,0 x 50	80,0	35,5	20,0	10,0
	270	390		GSE720/200/2,5	200	260	110	2,5	6 - WA M12-104/5	24 - Ø4,0 x 50	85,7	42,6	24,1	15,0
	300	435		GSE780/200/2,5	200	290	110	2,5	6 - WA M12-104/5	26 - Ø4,0 x 50	84,7	46,1	24,1	15,0
	330	480		GSE840/200/2,5	200	320	110	2,5	6 - WA M12-104/5	30 - Ø4,0 x 50	84,0	53,2	24,1	15,0
	360	525		GSE900/200/2,5	200	350	110	2,5	6 - WA M12-104/5	32 - Ø4,0 x 50	106,6	56,7	24,1	15,0
	390	570		GSE960/200/2,5	200	380	110	2,5	6 - WA M12-104/5	34 - Ø4,0 x 50	82,5	60,3	24,1	15,0
	420	615		GSE1020/200/2,5	200	410	110	2,5	6 - WA M12-104/5	38 - Ø4,0 x 50	119,9	67,4	24,1	15,0



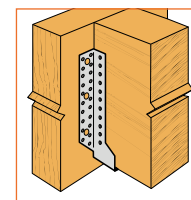
GSE



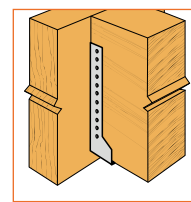
GSE 380

FIXATION BOIS/BOIS - CLOUAGE TOTAL / Epaisseur 4

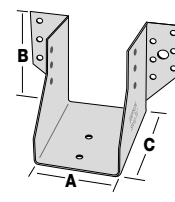
Bois porté			Type	MODELE	Dimensions en mm				Fixations			Valeurs caractéristiques [kN] BOIS/BOIS Classe C24				Résistance au feu
Larg.	Hauteur				A	B	C	Ep.	Nombre		Type	Descendante	Ascendante	Latérale	Traction	
	Min.	Max.							Porteur	Porté						
32	144	201	GSE	GSE300/32/4	32	134	110	4	12	6	Ø4,0 x 35	8,5	2,6	1,9	3,7	-
	164	231		GSE340/32/4	32	154	110	4	16	8	Ø4,0 x 35	11,5	4,3	2,5	4,9	-
	141	196.50		GSE300/38/4	38	131	110	4	12	6	Ø4,0 x 35	8,2	2,6	2,2	3,7	-
38	161	226.50	GSE	GSE340/38/4	38	151	110	4	8	8	Ø4,0 x 35	11,1	4,3	2,8	4,9	-
	211	301.50		GSE440/38/4	38	201	110	4	22	12	Ø4,0 x 35	18,4	7,5	3,9	7,4	-
	135	187.50		GSE300/50/4	50	125	110	4	12	6	Ø4,0 x 35	7,7	2,6	2,5	3,7	-
50	155	217.50	GSE	GSE340/50/4	50	145	110	4	16	8	Ø4,0 x 35	10,5	4,3	3,3	4,9	-
	235	337.50		GSE500/50/4	50	225	110	4	28	14	Ø4,0 x 35	23,6	11,5	5,1	8,6	-
	128	177		GSE300/64/4	64	118	110	4	12	6	Ø4,0 x 50	10,9	4,2	4,2	5,9	-
64	148	207	GSE	GSE340/64/4	64	138	110	4	16	8	Ø4,0 x 50	15,0	6,9	5,5	7,8	-
	168	237		GSE380/64/4	64	158	110	4	16	8	Ø4,0 x 50	18,0	6,9	5,5	7,8	-
	165	233		GSE380/70/4	70	155	110	4	16	8	Ø4,0 x 50	17,6	6,9	5,7	7,8	-
70	195	278	GSE	GSE440/70/4	70	185	110	4	22	12	Ø4,0 x 50	24,9	11,9	8,2	11,8	-
	225	323		GSE500/70/4	70	215	110	4	28	14	Ø4,0 x 50	31,9	18,0	8,9	13,7	-
	162	228		GSE	GSE380/76/4	76	152	110	4	16	8	Ø4,0 x 50	17,2	6,9	5,9*	7,8
192	273	GSE440/76/4	76		182	110	4	22	12	Ø4,0 x 50	24,4	11,9	8,5*	11,8	-	
222	318	GSE500/76/4	76		212	110	4	28	14	Ø4,0 x 50	31,9	18,0	9,4*	13,7	-	
80	160	225	GSE	GSE380/80/4	80	150	110	4	16	8	Ø4,0 x 50	16,9	6,9	6,1*	7,8	-
	190	270		GSE440/80/4	80	180	110	4	22	12	Ø4,0 x 50	24,1	11,9	8,7*	11,8	-
	220	315		GSE500/80/4	80	210	110	4	28	14	Ø4,0 x 50	31,9	18,0	9,6*	13,7	-
	240	345		GSE540/80/4	80	230	110	4	32	16	Ø4,0 x 50	35,9	22,7	10,6*	15,7	-
	270	390		GSE600/80/4	80	260	110	4	38	20	Ø4,0 x 50	43,8	30,4	12,4*	19,6	-
	300	435		GSE660/80/4	80	290	110	4	44	22	Ø4,0 x 50	47,8	39,0	12,7*	21,6	-
	330	480		GSE720/80/4	80	320	110	4	50	26	Ø4,0 x 50	55,8	46,0	14,1*	25,5	-
	360	525		GSE780/80/4	80	350	110	4	56	28	Ø4,0 x 50	59,8	49,6	14,2*	27,4	-
	390	570		GSE840/80/4	80	380	110	4	62	32	Ø4,0 x 50	67,8	56,7	15,2*	31,4	-
	420	615		GSE900/80/4	80	410	110	4	68	36	Ø4,0 x 50	75,7	63,8	16,0*	33,3	-
	450	660		GSE960/80/4	80	440	110	4	74	38	Ø4,0 x 50	79,7	67,3	15,9*	37,2	-
	480	705		GSE1020/80/4	80	470	110	4	80	40	Ø4,0 x 50	83,7	70,9	15,8*	39,2	-



GSE



GSI



GSE 300

* Valable uniquement pour GSE

* Les valeurs de résistance au feu sont des valeurs caractéristiques R30 données pour une situation d'incendie de 30 minutes.

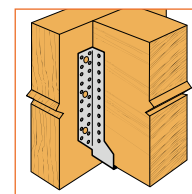
Les pointes à utiliser sont alors exclusivement des CNA Ø4,0x75 mm. Pour rappel, en situation d'incendie, les coefficients de sécurité à appliquer sont différents. Voir exemple de calcul d'un sabot après 30 min en condition de feu.



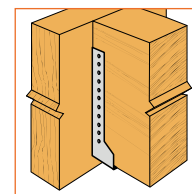
Données techniques

FIXATION BOIS/BOIS - CLOUAGE TOTAL / Epaisseur 4 (suite)

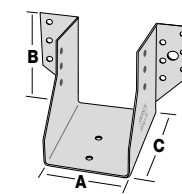
Larg.	Bois porté		Type	MODELE	Dimensions en mm				Fixations			Valeurs caractéristiques [kN] BOIS/BOIS Classe C24				Résistance au feu		
	Min.	Max.			A	B	C	Ep.	Nombre		Type	Descendante	Ascendante	Latérale	Traction			
									Porteur	Porté							Pointes annelées	
90	155	218	GSE	GSE380/90/4	90	145	110	4	16	8	04,0 x 50	16.1	6.9	6.3	7.8	-		
	185	263		GSE440/90/4	90	175	110	4	22	12	04,0 x 50	23.2	11.9	9.1	11.8	-		
	215	308		GSE500/90/4	90	205	110	4	28	14	04,0 x 50	31.5	18.0	10.2	13.7	-		
	235	338		GSE540/90/4	90	225	110	4	32	16	04,0 x 50	35.9	22.7	11.2	15.7	-		
	265	383		GSE600/90/4	90	255	110	4	38	20	04,0 x 50	43.8	30.4	13.2	19.6	-		
	295	428		GSE660/90/4	90	285	110	4	44	22	04,0 x 50	47.8	39.0	13.7	21.6	-		
	325	473		GSE720/90/4	90	315	110	4	50	26	04,0 x 50	55.8	46.0	15.2	25.5	-		
	355	518		GSE780/90/4	90	345	110	4	56	28	04,0 x 50	59.83	49.6	15.4	27.4	-		
	385	563		GSE840/90/4	90	375	110	4	62	32	04,0 x 50	67.8	56.7	16.6	31.4	-		
	415	608		GSE900/90/4	90	405	110	4	68	36	04,0 x 50	75.7	63.8	17.5	33.3	-		
	445	653		GSE960/90/4	90	435	110	4	74	38	04,0 x 50	79.7	67.3	17.5	37.2	-		
	475	698		GSE1020/90/4	90	465	110	4	80	40	04,0 x 50	83.7	70.9	17.4	39.2	-		
	100	150		210	GSI	GSE380/100/4	100	140	110	4	16	8	04,0 x 50	15.3	6.9	6.5	7.80	1,00*
		180		255		GSE440/100/4	100	170	110	4	22	12	04,0 x 50	22.2	11.9	9.5	11.80	2,52*
210		300	GSE500/100/4	100		200	110	4	28	14	04,0 x 50	30.4	18.0	10.6	13.7	3,55*		
230		330	GSE540/100/4	100		220	110	4	32	16	04,0 x 50	35.9	22.7	11.8	15.7	4,72*		
260		375	GSE600/100/4	100		250	110	4	38	20	04,0 x 50	43.8	30.4	14.0	19.6	7,30*		
290		420	GSE660/100/4	100		280	110	4	44	22	04,0 x 50	47.8	39.0	14.5	21.6	8,65*		
320		465	GSE720/100/4	100		310	110	4	50	26	04,0 x 50	55.8	46.0	16.2	25.5	11,4*		
350		510	GSE780/100/4	100		340	110	4	56	28	04,0 x 50	59.8	49.6	16.5	27.4	12,76*		
380		555	GSE840/100/4	100		370	110	4	62	32	04,0 x 50	67.8	56.7	17.8	31.4	15,44*		
410		600	GSE900/100/4	100		400	110	4	68	36	04,0 x 50	75.7	63.8	18.9	33.3	18,04*		
440		645	GSE960/100/4	100		430	110	4	74	38	04,0 x 50	79.7	67.3	18.9	37.2	19,32*		
470		690	GSE1020/100/4	100		460	110	4	80	40	04,0 x 50	83.7	70.9	18.9	39.2	20,57*		
120		220	315	GSE		GSE540/120/4	120	210	110	4	32	16	04,0 x 50	34.0	22.7	12.6	15.7	4,72*
		250	360			GSE600/120/4	120	240	110	4	38	20	04,0 x 50	43.1	30.4	15.2	19.6	7,30*
	280	405	GSE660/120/4		120	270	110	4	44	22	04,0 x 50	47.8	3.09	15.9	21.6	8,65*		
	310	450	GSE720/120/4		120	300	110	4	50	26	04,0 x 50	55.8	46.0	18.0	25.5	11,40*		
	340	495	GSE780/120/4		120	330	110	4	56	28	04,0 x 50	59.8	49.6	18.4	27.4	12,76*		
	370	540	GSE840/120/4		120	360	110	4	62	32	04,0 x 50	67.8	56.7	20.0	31.4	15,44*		
	400	585	GSE900/120/4		120	390	110	4	68	36	04,0 x 50	75.7	63.8	21.4	33.3	18,04*		
	430	630	GSE960/120/4		120	420	110	4	74	38	04,0 x 50	79.7	67.3	21.5	37.2	19,32*		
	460	675	GSE1020/120/4		120	450	110	4	80	40	04,0 x 50	83.7	70.9	21.6	39.2	20,57*		
	140	190	270		GSI	GSE500/140/4	140	180	110	4	22	12	04,0 x 50	24.1	11.9	10.5	11.8	2,52*
		210	300			GSE540/140/4	140	200	110	4	26	14	04,0 x 50	29.5	15.9	12.0	11.8	3,55*
		240	345			GSE600/140/4	140	230	110	4	32	18	04,0 x 50	38.2	22.7	15.0	15.7	5,98*
		270	390			GSE660/140/4	140	260	110	4	38	20	04,0 x 50	43.9	30.5	16.1	19.6	7,30*
		300	435			GSE720/140/4	140	290	110	4	44	24	04,0 x 50	51.9	39.0	18.6	23.5	10,03*
330		480	GSE780/140/4	140		320	110	4	50	26	04,0 x 50	55.8	46.1	19.3	25.5	11,40*		
360		525	GSE840/140/4	140		350	110	4	56	30	04,0 x 50	63.8	53.2	21.4	29.4	14,11*		
390		570	GSE900/140/4	140		380	110	4	62	32	04,0 x 50	67.8	56.7	21.8	31.4	15,44*		
420		615	GSE960/140/4	140		410	110	4	68	34	04,0 x 50	71.8	60.3	22.2	33.3	16,75*		
450		660	GSE1020/140/4	140		440	110	4	74	38	04,0 x 50	79.8	67.4	23.8	39.2	19,32*		
160		180	255	GSE		GSE500/160/4	160	170	110	4	22	12	04,0 x 50	22.2	11.9	10.7	11.8	2,52*
		200	285			GSE540/160/4	160	190	110	4	26	14	04,0 x 50	27.5	15.9	12.3	11.8	3,55*
		230	330			GSE600/160/4	160	220	110	4	32	18	04,0 x 50	36.0	22.7	15.4	15.7	5,98*
		260	375			GSE660/160/4	160	250	110	4	38	20	04,0 x 50	51.8	39.0	20.0	19.6	7,30*
	290	420	GSE720/160/4		160	280	110	4	44	24	04,0 x 50	51.8	39.0	19.4	23.5	10,03*		
	320	465	GSE780/160/4		160	310	110	4	50	26	04,0 x 50	55.8	46.0	20.3	25.5	11,40*		
	350	510	GSE840/160/4		160	340	110	4	56	30	04,0 x 50	63.8	53.1	22.6	29.4	14,11*		
	380	555	GSE900/160/4		160	370	110	4	62	32	04,0 x 50	67.8	56.7	23.2	31.4	15,44*		
	410	600	GSE960/160/4		160	400	110	4	68	34	04,0 x 50	71.8	60.2	23.8	33.3	16,75*		
	440	645	GSE1020/160/4		160	430	110	4	74	38	04,0 x 50	79.7	67.3	25.6	39.2	19,32*		
	180	170	240		GSE	GSE500/180/4	180	160	110	4	22	12	04,0 x 50	20.3	11.9	10.9	11.8	2,52*
		190	270			GSE540/180/4	180	180	110	4	26	14	04,0 x 50	25.4	15.9	12.6	11.8	3,55*
		220	315			GSE600/180/4	180	210	110	4	32	18	04,0 x 50	33.7	22.7	15.8	15.7	5,98*
		250	360			GSE660/180/4	180	240	110	4	38	20	04,0 x 50	51.8	39.0	20.6	19.6	7,30*
280		405	GSE720/180/4	180		270	110	4	44	24	04,0 x 50	51.8	39.0	20.1	23.5	10,03*		
310		450	GSE780/180/4	180		300	110	4	50	26	04,0 x 50	55.8	46.0	21.1	25.5	11,40*		
340		495	GSE840/180/4	180		330	110	4	56	30	04,0 x 50	63.8	53.1	23.7	29.4	14,11*		
370		540	GSE900/180/4	180		360	110	4	62	32	04,0 x 50	67.8	56.7	24.4	31.4	15,44*		
400		585	GSE960/180/4	180		390	110	4	68	34	04,0 x 50	71.8	60.2	25.1	33.3	16,75*		
430		630	GSE1020/180/4	180		420	110	4	74	38	04,0 x 50	79.7	67.3	27.1	37.2	19,32*		
200		160	225	GSI		GSE500/200/4	200	150	110	4	22	12	04,0 x 50	18.2	11.9	11.0	11.8	2,52*
		180	255			GSE540/200/4	200	170	110	4	26	14	04,0 x 50	23.1	15.9	12.7	11.8	3,55*
		210	300			GSE600/200/4	200	200	110	4	32	18	04,0 x 50	31.3	22.7	16.1	15.7	5,98*
		240	345			GSE660/200/4	200	230	110	4	38	20	04,0 x 50	50.3	39.0	21.1	19.6	7,30*
	270	390	GSE720/200/4		200	260	110	4	44	24	04,0 x 50	50.3	39.0	20.6	23.5	10,03*		
	300	435	GSE780/200/4		200	290	110	4	50	26	04,0 x 50	55.8	46.0	21.8	25.5	11,40*		
	330	480	GSE840/200/4		200	320	110	4	56	30	04,0 x 50	63.8	53.1	24.5	29.4	14,11*		
	360	525	GSE900/200/4		200	350	110	4	62	32	04,0 x 50	67.8	56.7	25.4	31.4	15,44*		
	390	570	GSE960/200/4		200	380	110	4	68	34	04,0 x 50	71.8	60.2	26.2	33.3	16,75*		
	420	615	GSE1020/200/4		200	410	110	4	74	38	04,0 x 50	79.7	67.3	28.4	37.2	19,32*		



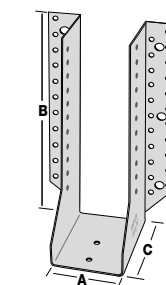
GSE



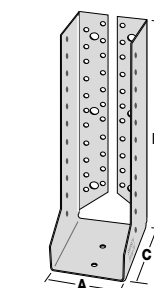
GSI



GSE 300



GSE 660



GSI 660

Sabots

3

D.G.F 2016 - SIMPSON STRONG-TIE n'est pas responsable d'éventuelles erreurs d'impression.

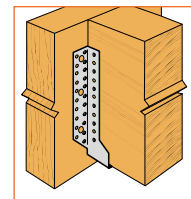


Données techniques

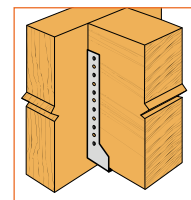
FIXATION BOIS/BOIS - CLOUAGE PARTIEL / Epaisseur 4

Larg.	Bois porté		Type	MODELE	Dimensions en mm				Fixations			Valeurs caractéristiques [kN] BOIS/BOIS Classe C24				
	Hauteur	Min.			Max.	A	B	C	Ep.	Nombre		Type	Descendante	Ascendante	Latérale	Traction
										Porteur	Porté					
32	144	201	GSE	GSE300/32/4	32	134	110	4	6	4	04.0 x 35	4.9	1.2	1.3	1.8	
	164	231		GSE340/32/4	32	154	110	4	8	4	04.0 x 35	6.8	2.0	1.2	2.5	
38	141	197		GSE300/38/4	38	131	110	4	6	4	04.0 x 35	4.8	1.2	1.4	1.8	
	161	227		GSE340/38/4	38	151	110	4	8	4	04.0 x 35	6.6	2.0	1.4	2.5	
50	211	302		GSE440/38/4	38	201	110	4	12	6	04.0 x 35	10.8	4.2	1.9	3.7	
	135	188		GSE300/50/4	50	125	110	4	6	4	04.0 x 35	4.5	1.2	1.7	1.8	
64	155	218		GSE340/50/4	50	145	110	4	8	4	04.0 x 35	6.3	2.0	1.6	2.5	
	235	338		GSE500/50/4	50	225	110	4	14	8	04.0 x 35	12.9	5.6	2.9	4.3	
70	128	177		GSE300/64/4	64	118	110	4	6	4	04.0 x 50	6.4	2.0	2.8	2.9	
	148	207		GSE340/64/4	64	138	110	4	8	4	04.0 x 50	9.0	3.2	2.7	3.9	
76	168	237		GSE380/64/4	64	158	110	4	8	4	04.0 x 50	10.4	3.2	2.7	3.9	
	165	233		GSE380/70/4	70	155	110	4	8	4	04.0 x 50	10.2	3.2	2.8	3.9	
80	195	278		GSE440/70/4	70	185	110	4	12	6	04.0 x 50	14.7	6.6	4.1	5.9	
	225	323		GSE500/70/4	70	215	110	4	14	8	04.0 x 50	18.2	8.7	5.1	6.9	
80	162	228		GSE	GSE380/76/4	76	152	110	4	8	4	04.0 x 50	10.0	3.2	2.9*	3.9
	192	273			GSE440/76/4	76	182	110	4	12	6	04.0 x 50	14.4	6.6	4.2*	5.9
90	222	318			GSE500/76/4	76	212	110	4	14	8	04.0 x 50	18.0	8.7	5.3*	6.9
	160	225			GSE380/80/4	80	150	110	4	8	4	04.0 x 50	9.9	3.2	3.0*	3.9
90	190	270			GSE440/80/4	80	180	110	4	12	6	04.0 x 50	14.2	6.6	4.3*	5.9
	220	315			GSE500/80/4	80	210	110	4	14	8	04.0 x 50	17.8	8.7	5.5*	6.9
90	240	345			GSE540/80/4	80	230	110	4	16	8	04.0 x 50	19.9	11.0	5.3*	7.8
	270	390			GSE600/80/4	80	260	110	4	20	10	04.0 x 50	23.9	16.3	6.2*	9.8
90	300	435			GSE660/80/4	80	290	110	4	22	12	04.0 x 50	27.9	19.1	6.9*	10.8
	330	480			GSE720/80/4	80	320	110	4	26	14	04.0 x 50	31.9	24.8	7.6*	12.7
90	360	525	GSE780/80/4		80	350	110	4	28	14	04.0 x 50	31.9	24.8	7.1*	13.7	
	390	570	GSE840/80/4		80	380	110	4	32	16	04.0 x 50	35.9	28.3	7.6*	15.7	
90	420	615	GSE900/80/4		80	410	110	4	34	18	04.0 x 50	39.8	31.9	8.0*	16.7	
	450	660	GSE960/80/4		80	440	110	4	38	20	04.0 x 50	43.8	35.4	8.3*	18.6	
90	480	705	GSE1020/80/4		80	470	110	4	40	20	04.0 x 50	43.8	35.4	7.9*	19.6	
	155	218	GSE380/90/4		90	145	110	4	8	4	04.0 x 50	9.5	3.2	3.1	3.9	
90	185	263	GSE440/90/4		90	175	110	4	12	6	04.0 x 50	13.8	6.6	4.6	5.9	
	215	308	GSE500/90/4		90	205	110	4	14	8	04.0 x 50	17.3	8.7	5.8	6.9	
90	235	338	GSE540/90/4		90	225	110	4	16	8	04.0 x 50	19.9	11.0	5.6	7.8	
	265	383	GSE600/90/4		90	255	110	4	20	10	04.0 x 50	23.9	16.3	6.6	9.8	
90	295	428	GSE660/90/4		90	285	110	4	22	12	04.0 x 50	27.9	19.1	7.5	10.8	
	325	473	GSE720/90/4		90	315	110	4	26	14	04.0 x 50	31.9	24.8	8.2	12.7	
90	355	518	GSE780/90/4		90	345	110	4	28	14	04.0 x 50	31.9	24.8	7.7	13.7	
	385	563	GSE840/90/4		90	375	110	4	32	16	04.0 x 50	35.9	28.3	8.3	15.7	
90	415	608	GSE900/90/4	90	405	110	4	34	18	04.0 x 50	39.8	31.9	8.7	16.7		
	445	653	GSE960/90/4	90	435	110	4	38	20	04.0 x 50	43.8	35.4	9.2	18.6		
90	475	698	GSE1020/90/4	90	465	110	4	40	20	04.0 x 50	43.8	35.4	8.7	19.6		
	150	210	GSE380/100/4	100	140	110	4	8	4	04.0 x 50	9.2	3.2	3.2	3.9		
100	180	255	GSE440/100/4	100	170	110	4	12	6	04.0 x 50	13.2	6.6	4.7	5.9		
	210	300	GSE500/100/4	100	200	110	4	14	8	04.0 x 50	16.8	8.7	6.1	6.9		
100	230	330	GSE540/100/4	100	220	110	4	16	8	04.0 x 50	19.9	11.0	5.9	7.8		
	260	375	GSE600/100/4	100	250	110	4	20	10	04.0 x 50	23.9	16.3	7.0	9.8		
100	290	420	GSE660/100/4	100	280	110	4	22	12	04.0 x 50	27.9	19.1	7.9	10.8		
	320	465	GSE720/100/4	100	310	110	4	26	14	04.0 x 50	31.9	24.8	8.7	12.7		
100	350	510	GSE780/100/4	100	340	110	4	28	14	04.0 x 50	31.9	24.8	8.2	13.7		
	380	555	GSE840/100/4	100	370	110	4	32	16	04.0 x 50	35.9	28.3	8.9	15.7		
100	410	600	GSE900/100/4	100	400	110	4	34	18	04.0 x 50	39.8	31.9	9.5	16.7		
	440	645	GSE960/100/4	100	430	110	4	38	20	04.0 x 50	43.8	35.4	9.9	18.6		
100	470	690	GSE1020/100/4	100	460	110	4	40	20	04.0 x 50	43.8	35.4	9.4	19.6		
	220	315	GSE540/120/4	120	210	110	4	16	8	04.0 x 50	18.9	11.0	6.3	7.8		
120	250	360	GSE600/120/4	120	240	110	4	20	10	04.0 x 50	23.9	16.3	7.6	9.8		
	280	405	GSE660/120/4	120	270	110	4	22	12	04.0 x 50	27.9	19.1	8.7	10.8		
120	310	450	GSE720/120/4	120	300	110	4	26	14	04.0 x 50	31.9	24.8	9.6	12.7		
	340	495	GSE780/120/4	120	330	110	4	28	14	04.0 x 50	31.9	24.8	9.2	13.7		
120	370	540	GSE840/120/4	120	360	110	4	32	16	04.0 x 50	35.9	28.3	10.0	15.7		
	400	585	GSE900/120/4	120	390	110	4	34	18	04.0 x 50	39.8	31.9	10.7	16.7		
120	430	630	GSE960/120/4	120	420	110	4	38	20	04.0 x 50	43.8	35.4	11.3	18.6		
	460	675	GSE1020/120/4	120	450	110	4	40	20	04.0 x 50	43.8	35.4	10.8	19.6		
140	190	270	GSE500/140/4	140	180	110	4	12	6	04.0 x 50	14.3	6.7	5.2	5.9		
	210	300	GSE540/140/4	140	200	110	4	14	8	04.0 x 50	16.8	8.8	6.9	6.9		
140	240	345	GSE600/140/4	140	230	110	4	18	10	04.0 x 50	21.8	13.6	8.3	8.8		
	270	390	GSE660/140/4	140	260	110	4	20	10	04.0 x 50	23.9	16.3	8.0	9.8		
140	300	435	GSE720/140/4	140	290	110	4	24	12	04.0 x 50	27.9	21.3	9.3	11.8		
	330	480	GSE780/140/4	140	320	110	4	26	14	04.0 x 50	31.9	24.8	10.4	12.7		
140	360	525	GSE840/140/4	140	350	110	4	30	16	04.0 x 50	35.9	28.4	11.4	14.7		
	390	570	GSE900/140/4	140	380	110	4	32	16	04.0 x 50	35.9	28.4	10.9	15.7		
140	420	615	GSE960/140/4	140	410	110	4	34	18	04.0 x 50	39.9	31.9	11.8	16.7		
	450	660	GSE1020/140/4	140	440	110	4	38	20	04.0 x 50	43.9	35.5	12.5	18.6		

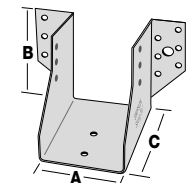
* Valable uniquement pour GSE



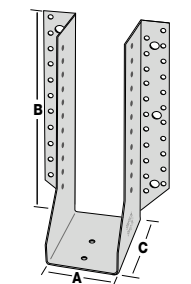
GSE



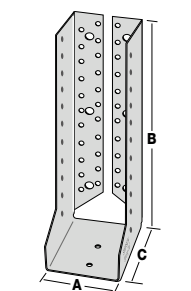
GSI



GSE 300



GSE 660

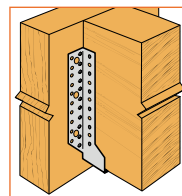


GSI 660

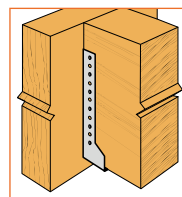
Données techniques

FIXATION BOIS/BOIS - CLOUAGE PARTIEL / Epaisseur 4 (suite)

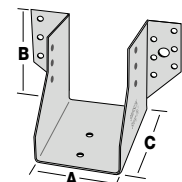
Larg.	Bois porté		Type	MODELE	Dimensions en mm				Fixations			Valeurs caractéristiques [kN] BOIS/BOIS Classe C24					
	Hauteur				A	B	C	Ep.	Nombre		Pointes annelées	Descendante	Ascendante	Latérale	Traction		
	Min.	Max.							Porteur	Porté							
160	180	255	GSE	GSE500/160/4	160	170	110	4	12	6	04.0 x 50	13.2	6.6	5.3	5.9		
	200	285		GSE540/160/4	160	190	110	4	14	8	04.0 x 50	15.7	8.7	7.0	6.9		
	230	330		GSE600/160/4	160	220	110	4	20	10	04.0 x 50	23.9	16.3	8.6	8.8		
	260	375		GSE660/160/4	160	250	110	4	20	10	04.0 x 50	23.9	16.3	8.3	9.8		
	290	420		GSE720/160/4	160	280	110	4	24	12	04.0 x 50	27.9	21.2	9.7	11.8		
	320	465		GSE780/160/4	160	310	110	4	26	14	04.0 x 50	31.9	24.8	10.9	12.7		
	350	510		GSE840/160/4	160	340	110	4	30	16	04.0 x 50	35.9	28.3	12.0	14.7		
	380	555		GSE900/160/4	160	370	110	4	32	16	04.0 x 50	35.9	28.3	11.6	15.7		
	410	600		GSE960/160/4	160	400	110	4	34	18	04.0 x 50	39.8	31.9	12.6	16.7		
	440	645		GSE1020/160/4	160	430	110	4	38	20	04.0 x 50	43.8	35.4	13.4	18.6		
	180	170		240	GSE	GSE500/180/4	180	160	110	4	12	6	04.0 x 50	12.2	6.6	5.4	5.9
		190		270		GSE540/180/4	180	180	110	4	14	8	04.0 x 50	14.6	8.7	7.2	6.9
220		315	GSE600/180/4	180		210	110	4	20	10	04.0 x 50	23.9	16.3	8.8	8.8		
250		360	GSE660/180/4	180		240	110	4	20	10	04.0 x 50	23.9	16.3	8.6	9.8		
280		405	GSE720/180/4	180		270	110	4	24	12	04.0 x 50	27.9	21.2	10.0	11.8		
310		450	GSE780/180/4	180		300	110	4	26	14	04.0 x 50	31.9	24.8	11.4	12.7		
340		495	GSE840/180/4	180		330	110	4	30	16	04.0 x 50	35.9	28.3	12.6	14.7		
370		540	GSE900/180/4	180		360	110	4	32	16	04.0 x 50	35.9	28.3	12.2	15.7		
400		585	GSE960/180/4	180		390	110	4	34	18	04.0 x 50	39.8	31.9	13.3	16.7		
430		630	GSE1020/180/4	180		420	110	4	38	20	04.0 x 50	43.8	35.4	14.2	18.6		
200		160	225	GSI		GSE500/200/4	200	150	110	4	12	6	04.0 x 50	11.0	6.6	5.5	5.9
		180	255			GSE540/200/4	200	170	110	4	14	8	04.0 x 50	13.4	8.7	7.3	6.9
	210	300	GSE600/200/4		200	200	110	4	20	10	04.0 x 50	22.7	16.3	8.9	8.8		
	240	345	GSE660/200/4		200	230	110	4	20	10	04.0 x 50	22.7	16.3	8.8	9.8		
	270	390	GSE720/200/4		200	260	110	4	24	12	04.0 x 50	27.9	21.2	10.3	11.8		
	300	435	GSE780/200/4		200	290	110	4	26	14	04.0 x 50	31.9	24.8	11.7	12.7		
	330	480	GSE840/200/4		200	320	110	4	30	16	04.0 x 50	35.9	28.3	13.0	14.7		
	360	525	GSE900/200/4		200	350	110	4	32	16	04.0 x 50	35.9	28.3	12.7	15.7		
	390	570	GSE960/200/4		200	380	110	4	34	18	04.0 x 50	39.8	31.9	13.8	16.7		
	420	615	GSE1020/200/4		200	410	110	4	38	20	04.0 x 50	43.8	35.4	14.9	18.6		



GSE



GSI



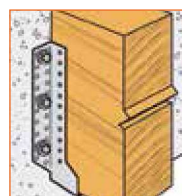
GSE 300

Sabots

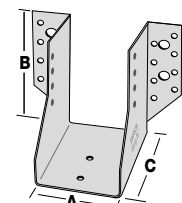
3

FIXATION BÉTON OU ACIER / Epaisseur 4

Larg.	Bois porté		Type	MODELE	Dimensions en mm				Fixations		Valeurs caractéristiques [kN] BOIS/BÉTON Classe C24					
	Hauteur				A	B	C	Ep.	Porteur (béton)		Porté (bois)		Descendante	Ascendante	Latérale	Traction
	Min.	Max.							Nbre - Goujons	Nbre - Pointes annelées						
32	144	201	GSE	GSE300/32/4	32	134	110	4	2 - WA M12-104/5	6 - 04.0 x 35	12.0	2.3	20.0	10.4		
	164	231		GSE340/32/4	32	154	110	4	2 - WA M12-104/5	8 - 04.0 x 35	15.0	2.8	20.0	10.4		
	141	197		GSE300/38/4	38	131	110	4	2 - WA M12-104/5	6 - 04.0 x 35	12.0	2.3	20.0	10.4		
38	161	227	GSE	GSE340/38/4	38	151	110	4	2 - WA M12-104/5	8 - 04.0 x 35	15.0	2.8	20.0	10.4		
	211	302		GSE440/38/4	38	201	110	4	4 - WA M12-104/5	12 - 04.0 x 35	21.1	5.5	20.0	20.8		
50	135	188	GSE	GSE300/50/4	50	125	110	4	2 - WA M12-104/5	8 - 04.0 x 35	12.0	2.3	20.0	10.4		
	155	218		GSE340/50/4	50	145	110	4	2 - WA M12-104/5	8 - 04.0 x 35	15.0	2.8	20.0	10.4		
	235	338		GSE500/50/4	50	225	110	4	4 - WA M12-104/5	14 - 04.0 x 35	24.1	6.1	20.0	20.8		
64	128	177	GSE	GSE300/64/4	64	118	110	4	2 - WA M12-104/5	6 - 04.0 x 50	15.9	3.4	20.0	10.4		
	148	207		GSE340/64/4	64	138	110	4	2 - WA M12-104/5	8 - 04.0 x 50	19.9	3.9	20.0	10.4		
	168	237		GSE380/64/4	64	158	110	4	4 - WA M12-104/5	8 - 04.0 x 50	19.9	6.2	20.0	17.8		
70	165	233	GSE	GSE380/70/4	70	155	110	4	4 - WA M12-104/5	8 - 04.0 x 50	19.9	6.2	20.0	17.8		
	195	278		GSE440/70/4	70	185	110	4	4 - WA M12-104/5	12 - 04.0 x 50	27.9	7.7	20.0	20.8		
	225	323		GSE500/70/4	70	215	110	4	4 - WA M12-104/5	12 - 04.0 x 50	31.9	8.3	20.0	20.8		
76	162	228	GSE	GSE380/76/4	76	152	110	4	4 - WA M12-104/5	8 - 04.0 x 50	19.9	6.2	20.0	17.8		
	192	273		GSE440/76/4	76	182	110	4	4 - WA M12-104/5	12 - 04.0 x 50	27.9	7.7	20.0	20.8		
	222	318		GSE500/76/4	76	212	110	4	4 - WA M12-104/5	14 - 04.0 x 50	31.9	8.3	20.0	20.8		
80	160	225	GSE	GSE380/80/4	80	150	110	4	4 - WA M12-104/5	8 - 04.0 x 50	19.9	6.2	20.0	17.8		
	190	270		GSE440/80/4	80	180	110	4	4 - WA M12-104/5	12 - 04.0 x 50	27.9	7.7	20.0	20.8		
	220	315		GSE500/80/4	80	210	110	4	4 - WA M12-104/5	12 - 04.0 x 50	31.9	8.3	20.0	20.8		
	240	345		GSE540/80/4	80	230	110	4	4 - WA M12-104/5	16 - 04.0 x 50	59.1	28.4	20.0	20.8		
	270	390		GSE600/80/4	80	260	110	4	4 - WA M12-104/5	20 - 04.0 x 50	67.9	35.5	20.0	20.8		
	300	435		GSE660/80/4	80	290	110	4	6 - WA M12-104/5	22 - 04.0 x 50	72.4	39.0	24.1	31.2		
	330	480		GSE720/80/4	80	320	110	4	6 - WA M12-104/5	26 - 04.0 x 50	81.2	46.1	24.1	31.2		
	360	525		GSE780/80/4	80	350	110	4	6 - WA M12-104/5	28 - 04.0 x 50	85.7	49.6	24.1	31.2		
	390	570		GSE840/80/4	80	380	110	4	6 - WA M12-104/5	32 - 04.0 x 50	94.5	56.7	24.1	31.2		
	420	615		GSE900/80/4	80	410	110	4	6 - WA M12-104/5	38 - 04.0 x 50	107.8	67.4	24.1	31.2		
	450	660		GSE960/80/4	80	440	110	4	6 - WA M12-104/5	38 - 04.0 x 50	107.8	67.4	24.1	31.2		
	480	705		GSE1020/80/4	80	470	110	4	6 - WA M12-104/5	40 - 04.0 x 50	112.3	70.9	24.1	31.2		



GSE



GSE 380

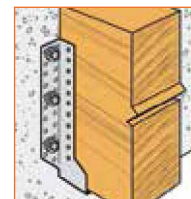
D/G-F 2016 - SIMPSON STRONG-TIE n'est pas responsable d'éventuelles erreurs d'impression.



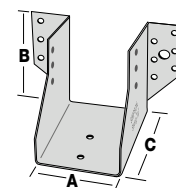
Données techniques

FIXATION BÉTON OU ACIER / Epaisseur 4 (suite)

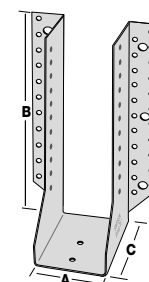
Larg.	Bois porté		Type	MODELE	Dimensions en mm				Fixations		Valeurs caractéristiques [kN]				
	Min.	Max.			A	B	C	Ep.	Porteur (béton)		BOIS/BÉTON Classe C24				
									Nbre - Goujons	Nbre - Pointes annelées	Descendante	Ascendante	Latérale	Traction	
90	155	218	GSE	GSE380/90/4	90	145	110	4	4 - WA M12-104/5	8 - Ø4.0 x 50	19.9	6.2	20.0	17.8	
	185	263		GSE440/90/4	90	175	110	4	4 - WA M12-104/5	12 - Ø4.0 x 50	27.9	7.7	20.0	20.8	
	215	308		GSE500/90/4	90	205	110	4	4 - WA M12-104/5	14 - Ø4.0 x 50	31.9	8.3	20.0	20.8	
	235	338		GSE540/90/4	90	225	110	4	4 - WA M12-104/5	16 - Ø4.0 x 50	62.0	28.4	20.0	20.8	
	265	383		GSE600/90/4	90	255	110	4	4 - WA M12-104/5	20 - Ø4.0 x 50	70.9	35.5	20.0	20.8	
	295	428		GSE660/90/4	90	285	110	4	6 - WA M12-104/5	22 - Ø4.0 x 50	75.3	39.0	24.1	31.2	
	325	473		GSE720/90/4	90	315	110	4	6 - WA M12-104/5	26 - Ø4.0 x 50	84.2	46.1	24.1	31.2	
	355	518		GSE780/90/4	90	345	110	4	6 - WA M12-104/5	28 - Ø4.0 x 50	88.6	49.6	24.1	31.2	
	385	563		GSE840/90/4	90	375	110	4	6 - WA M12-104/5	32 - Ø4.0 x 50	97.5	56.7	24.1	31.2	
	415	608		GSE900/90/4	90	405	110	4	6 - WA M12-104/5	38 - Ø4.0 x 50	110.8	67.4	24.1	31.2	
	445	653		GSE960/90/4	90	435	110	4	6 - WA M12-104/5	38 - Ø4.0 x 50	110.8	67.4	24.1	31.2	
	475	698		GSE1020/90/4	90	465	110	4	6 - WA M12-104/5	40 - Ø4.0 x 50	115.2	70.9	24.1	31.0	
	150	210		GSE	GSE380/100/4	100	140	110	4	4 - WA M12-104/5	8 - Ø4.0 x 50	19.9	6.2	20.0	17.8
	180	255			GSE440/100/4	100	170	110	4	4 - WA M12-104/5	12 - Ø4.0 x 50	27.9	7.7	20.0	20.8
	210	300			GSE500/100/4	100	200	110	4	4 - WA M12-104/5	14 - Ø4.0 x 50	31.9	8.3	20.0	20.8
	230	330			GSE540/100/4	100	220	110	4	4 - WA M12-104/5	16 - Ø4.0 x 50	65.0	28.4	20.0	20.8
260	375	GSE600/100/4	100		250	110	4	4 - WA M12-104/5	20 - Ø4.0 x 50	73.8	35.5	20.0	20.8		
290	420	GSE660/100/4	100		280	110	4	6 - WA M12-104/5	22 - Ø4.0 x 50	78.3	39.0	24.1	31.2		
320	465	GSE720/100/4	100		310	110	4	6 - WA M12-104/5	26 - Ø4.0 x 50	87.1	46.1	24.1	31.2		
350	510	GSE780/100/4	100		340	110	4	6 - WA M12-104/5	28 - Ø4.0 x 50	91.6	49.6	24.1	31.2		
380	555	GSE840/100/4	100		370	110	4	6 - WA M12-104/5	32 - Ø4.0 x 50	100.4	56.7	24.1	31.2		
410	600	GSE900/100/4	100		400	110	4	6 - WA M12-104/5	38 - Ø4.0 x 50	113.7	67.4	24.1	31.2		
440	645	GSE960/100/4	100		430	110	4	6 - WA M12-104/5	38 - Ø4.0 x 50	113.7	67.4	24.1	31.2		
470	690	GSE1020/100/4	100		460	110	4	6 - WA M12-104/5	40 - Ø4.0 x 50	118.2	70.9	24.1	31.2		
220	315	GSE	GSE540/120/4		120	210	110	4	4 - WA M12-104/5	16 - Ø4.0 x 50	70.9	28.4	20.0	20.8	
250	360		GSE600/120/4		120	240	110	4	4 - WA M12-104/5	20 - Ø4.0 x 50	79.7	35.5	20.0	20.8	
280	405		GSE660/120/4		120	270	110	4	6 - WA M12-104/5	22 - Ø4.0 x 50	84.2	39.0	24.1	31.2	
310	450		GSE720/120/4		120	300	110	4	6 - WA M12-104/5	26 - Ø4.0 x 50	93.0	46.1	24.1	31.2	
340	495		GSE780/120/4	120	330	110	4	6 - WA M12-104/5	28 - Ø4.0 x 50	97.5	49.6	24.1	31.2		
370	540		GSE840/120/4	120	360	110	4	6 - WA M12-104/5	32 - Ø4.0 x 50	106.3	56.7	24.1	31.2		
400	585		GSE900/120/4	120	390	110	4	6 - WA M12-104/5	38 - Ø4.0 x 50	119.6	67.4	24.1	31.2		
430	630		GSE960/120/4	120	420	110	4	6 - WA M12-104/5	38 - Ø4.0 x 50	119.6	67.4	24.1	31.2		
460	675		GSE1020/120/4	120	450	110	4	6 - WA M12-104/5	40 - Ø4.0 x 50	120.0	70.9	24.1	31.2		
190	270		GSE	GSE500/140/4	140	180	110	4	2 - WA M12-104/5	12 - Ø4.0 x 50	24.1	11.9	20.0	10.4	
210	300			GSE540/140/4	140	200	110	4	4 - WA M12-104/5	14 - Ø4.0 x 50	72.3	24.8	20.0	20.8	
240	345			GSE600/140/4	140	230	110	4	4 - WA M12-104/5	18 - Ø4.0 x 50	80.0	31.9	20.0	20.8	
270	390			GSE660/140/4	140	260	110	4	4 - WA M12-104/5	20 - Ø4.0 x 50	80.0	35.5	24.1	31.2	
300	435			GSE720/140/4	140	290	110	4	6 - WA M12-104/5	24 - Ø4.0 x 50	94.5	42.6	24.1	31.2	
330	480			GSE780/140/4	140	320	110	4	6 - WA M12-104/5	26 - Ø4.0 x 50	98.9	46.1	24.1	31.2	
360	525			GSE840/140/4	140	350	110	4	6 - WA M12-104/5	30 - Ø4.0 x 50	107.8	53.2	24.1	31.2	
390	570	GSE900/140/4		140	380	110	4	6 - WA M12-104/5	32 - Ø4.0 x 50	112.2	56.7	24.1	31.2		
420	615	GSE960/140/4		140	410	110	4	6 - WA M12-104/5	34 - Ø4.0 x 50	116.7	60.3	24.1	31.2		
450	660	GSE1020/140/4		140	440	110	4	6 - WA M12-104/5	38 - Ø4.0 x 50	120.0	67.4	24.1	31.2		
180	255	GSE		GSE500/160/4	160	170	110	4	2 - WA M12-104/5	12 - Ø4.0 x 50	27.9	4.26	20.0	10.4	
200	285			GSE540/160/4	160	190	110	4	4 - WA M12-104/5	14 - Ø4.0 x 50	78.2	24.8	20.0	20.8	
230	330			GSE600/160/4	160	220	110	4	4 - WA M12-104/5	18 - Ø4.0 x 50	80.0	31.9	20.0	20.8	
260	375			GSE660/160/4	160	250	110	4	4 - WA M12-104/5	20 - Ø4.0 x 50	80.0	35.5	20.0	20.8	
290	420			GSE720/160/4	160	280	110	4	6 - WA M12-104/5	24 - Ø4.0 x 50	100.4	42.6	24.1	31.2	
320	465			GSE780/160/4	160	310	110	4	6 - WA M12-104/5	26 - Ø4.0 x 50	104.8	46.1	24.1	31.2	
350	510		GSE840/160/4	160	340	110	4	6 - WA M12-104/5	30 - Ø4.0 x 50	113.7	53.2	24.1	31.2		
380	555		GSE900/160/4	160	370	110	4	6 - WA M12-104/5	32 - Ø4.0 x 50	118.1	56.7	24.1	31.2		
410	600		GSE960/160/4	160	400	110	4	6 - WA M12-104/5	34 - Ø4.0 x 50	120.0	60.3	24.1	31.2		
440	645		GSE1020/160/4	160	430	110	4	6 - WA M12-104/5	38 - Ø4.0 x 50	120.0	67.4	24.1	31.2		
170	240		GSE	GSE500/180/4	180	160	110	4	2 - WA M12-104/5	12 - Ø4.0 x 50	27.9	4.26	20.0	10.4	
190	270			GSE540/180/4	180	180	110	4	4 - WA M12-104/5	14 - Ø4.0 x 50	80.0	24.8	20.0	20.8	
220	315			GSE600/180/4	180	210	110	4	4 - WA M12-104/5	18 - Ø4.0 x 50	80.0	31.9	20.0	20.8	
250	360			GSE660/180/4	180	240	110	4	4 - WA M12-104/5	20 - Ø4.0 x 50	80.0	35.5	20.0	20.8	
280	405			GSE720/180/4	180	270	110	4	6 - WA M12-104/5	24 - Ø4.0 x 50	106.3	42.6	24.1	31.2	
310	450			GSE780/180/4	180	300	110	4	6 - WA M12-104/5	26 - Ø4.0 x 50	110.7	46.1	24.1	31.2	
340	495	GSE840/180/4		180	330	110	4	6 - WA M12-104/5	30 - Ø4.0 x 50	119.6	53.2	24.1	31.2		
370	540	GSE900/180/4		180	360	110	4	6 - WA M12-104/5	32 - Ø4.0 x 50	120.0	56.7	24.1	31.2		
400	585	GSE960/180/4		180	390	110	4	6 - WA M12-104/5	34 - Ø4.0 x 50	120.0	60.3	24.1	31.2		
430	630	GSE1020/180/4		180	420	110	4	6 - WA M12-104/5	38 - Ø4.0 x 50	120.0	67.4	24.1	31.2		
160	225	GSE		GSE500/200/4	200	150	110	4	2 - WA M12-104/5	12 - Ø4.0 x 50	27.9	4.26	20.0	10.4	
180	255			GSE540/200/4	200	170	110	4	4 - WA M12-104/5	14 - Ø4.0 x 50	80.0	24.8	20.0	20.8	
210	300			GSE600/200/4	200	200	110	4	4 - WA M12-104/5	18 - Ø4.0 x 50	80.0	31.9	20.0	20.8	
240	345			GSE660/200/4	200	230	110	4	4 - WA M12-104/5	20 - Ø4.0 x 50	80.0	35.5	20.0	20.8	
270	390			GSE720/200/4	200	260	110	4	6 - WA M12-104/5	24 - Ø4.0 x 50	112.2	42.6	24.1	31.2	
300	435			GSE780/200/4	200	290	110	4	6 - WA M12-104/5	26 - Ø4.0 x 50	116.6	46.1	24.1	31.2	
330	480		GSE840/200/4	200	320	110	4	6 - WA M12-104/5	30 - Ø4.0 x 50	120.0	53.2	24.1	31.2		
360	525		GSE900/200/4	200	350	110	4	6 - WA M12-104/5	32 - Ø4.0 x 50	120.0	56.7	24.1	31.2		
390	570		GSE960/200/4	200	380	110	4	6 - WA M12-104/5	34 - Ø4.0 x 50	120.0	60.3	24.1	31.2		
420	615		GSE1020/200/4	200	410	110	4	6 - WA M12-104/5	38 - Ø4.0 x 50	120.0	67.4	24.1	31.2		



GSE



GSE 300



GSE 660



La résine AT-HP permet de fixer vos sabots avec des distances aux bords faibles
 > Plus d'informations p.55 de ce catalogue.

