

Technical Sheet

SIMPSON

Strong-Tie®

DJH-Z

Divisible Joist hanger ZPRO

DJH is a joist hanger used for timber to timber connections in outdoor structures. This joist hanger is divisible before installation to be adapted to supported joist width between 45 and 160 mm.

Features

Material

- Steel quality:
S250GD + ZPRO
- Corrosion protection:
ZPRO coating - corresponding to a zinc layer of approx. 55 µm

Benefits

- Divisible joist hanger to be adapted to supported joist widths between 45 and 160 mm
- Suitable for outdoor use

Applications

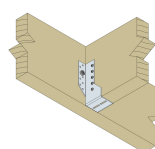
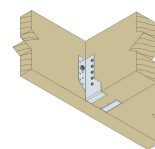
Suitable On

- Supporting member:
Solid wood, engineered wood, concrete, steel
- Supported member:
Solid wood, engineered wood

When to Use

DJH-Z joist hangers are suitable for outdoor use.

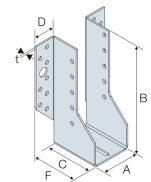
- Terraces
- Outdoor Facilities



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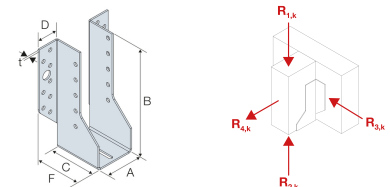
Technical Data

Product Dimensions



Viite	Mitat														
	Muu			Mitat ja ominaisarvot[mm]					Mitat, SB[mm]				Reiät HB		Reiät, SB
	DB nr.	NOBB nr.	Paino[kg]	A[mm]	B[mm]	C[mm]	D[mm]	t[mm]	Leveys		Korkeus		Pyöreä		Ø5
									min[mm]	Max[mm]	min[mm]	Max[mm]	Ø5	Ø11,5	
DJH92/46Z	2604118	-	0.21	46	92	60	28	2	45	160	95	138	8	2	6
DJH137/46Z	2604116	-	0.3	46	137	60	28	2	45	160	147	205	16	2	10
DJH167/46Z	2604117	-	0.35	46	167	60	28	2	45	160	177	250	18	4	12

Product characteristic capacities - Timber to Timber - Full nailing



Viite	Decking capacity									
	Ominaisarvot – Puu puuhun – Täysi naulaus[kN]									
	Liitoskiinnikkeet		Kestävyyden ominaisarvot[kN]							
	SB	Primääriripalkki	R _{1,k}		R _{4,k}		R _{2,k}		R _{3,k}	
	Määrä	Määrä	CSA5.0x35Z	CSA5.0x40Z	CSA5.0x35Z	CSA5.0x40Z	CSA5.0x35Z	CSA5.0x40Z	CSA5.0x35Z	CSA5.0x40Z
DJH92/46Z	6.0	8.0	11.9	13.5	10.1	11.5	10.3	11.7	1.8	2
DJH137/46Z	10.0	16.0	19.9	22.5	16.9	19.1	18.7	21.2	4.4	5
DJH167/46Z	12.0	18.0	23.9	27	20.3	23	22.3	25.4	5	5.6

Tuotteen ominaiskapasiteetit - Puu puuhun - Osittainen naulaus

Viite	Decking capacity									
	Ominaisarvot – Puu puuhun – Osittainen naulaus									
	Liitoskiinnikkeet		Kestävyyden ominaisarvot[kN]							
	SB	Primääriripalkki	R _{1,k}		R _{3,k}		R _{4,k}		R _{2,k}	
	Määrä	Määrä	CSA5.0x35Z	CSA5.0x40Z	CSA5.0x35Z	CSA5.0x40Z	CSA5.0x35Z	CSA5.0x40Z	CSA5.0x35Z	CSA5.0x40Z
DJH92/46Z	3.0	6.0	6	6.8	1.5	1.7	5.1	5.7	5.5	6.3
DJH137/46Z	6.0	10.0	11.9	13.5	2.9	3.3	10.1	11.5	11.2	12.7
DJH167/46Z	6.0	12.0	11.9	13.5	3.4	3.9	10.1	11.5	11.6	13.1

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Tuotteen ominaiskapasiteetit - Puu puuhun - liitosruuvilla SSH

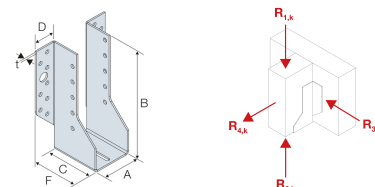
Viite	Decking capacity			
	Ominaiskapasiteetit - Puu puuhun - liitosruuvilla SSH			
	Primääripalkki		R4,k	
	Määrä	Tyyppi	SSH10.0x40	SSH10.0x40Z
DJH92/46Z	2.0	Ø10*	5	5
DJH137/46Z	2.0	Ø10*	5	5
DJH167/46Z	4.0	Ø10*	10	10

Tuotteen ominaiskapasiteetit -
Puu puuhun - liitosruuvilla SSH

See full table online →



Product characteristic capacities - Timber beam to rigid support



Viite	Decking capacity											
	Ominaisarvot – Puu jäykkään alustaan											
	Liitoskinnikkeet				Kestävyyden ominaisarvot[kN]							
	Primääripalkki		SB		R4,k		R2,k		R1,k		R3,k	
	Määrä	Tyyppi	Määrä	Tyyppi	CSA5.0x35Z	CSA5.0x40Z	CSA5.0x35Z	CSA5.0x40Z	CSA5.0x35Z	CSA5.0x40Z	CSA5.0x35Z	CSA5.0x40Z
DJH92/46Z	2.0	Ø10*	6.0	CSA-Z**	5	5	9.4	12.6	9.4	12.6	4.5	6
DJH137/46Z	2.0	Ø10*	10.0	CSA-Z**	5	5	14.2	14.2	14.2	14.2	5.7	7.7
DJH167/46Z	4.0	Ø10*	12.0	CSA-Z**	10	10	18.9	22.7	18.9	22.7	17.9	24.4

* Refer to the Simpson Strong-Tie anchor product range for suitable anchors. Typical anchor solutions depend on the concrete type, spacing and edge distances. The values in this table are given for an installation in the middle of a concrete slab. In other installation condition (close to the edge,...), the designer must check the anchor separately (Our free software Anchor Designer is available for download on our website).

** Refer to Characteristic Capacity table columns for type of fasteners that can be used in Flange A. Capacities vary depending on fastener type used.

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Asennus

Fixing

- CSA5.0x35Z,
- CSA5.0x40Z,
- SSH10.0x40,
- SSH10.0x50

Installation

Divide the joist hanger into two, if neededn, before installation.

