

WOOD-TO-WOOD CONNECTORS W

TYPE	DIMENSIONS	No of SCREWS /PAIR	SCREW SIZES	TIMBER		LOAD CAPACITY		PACKING UNIT	CE
				MAIN	SECONDARY	Ø 4.5 x 50	Ø 4.5 x 80		
W 25.40	25 x 40 x 12	6	Ø 4.5 x 50 - 80	60 x 50	45 x 50	2,42	3,78	20	*
W 25.60	25 x 60 x 12	8	Ø 4.5 x 50 - 80	60 x 70	45 x 70	4,83	7,65	20	*
W 25.80	25 x 80 x 12	10	Ø 4.5 x 50 - 80	60 x 90	45 x 90	7,25	11,3	20	*
W 25.100	25 x 100 x 12	12	Ø 4.5 x 50 - 80	60 x 110	45 x 110	9,66	15,1	20	*
W 40.70	40 x 70 x 12	10	Ø 4.5 x 50 - 80	60 x 80	50** x 80	7,25	11,3	10	*
W 40.90	40 x 90 x 12	14	Ø 4.5 x 50 - 80	60 x 100	50** x 100	9,66	15,1	10	*
W 40.110	40 x 110 x 12	16	Ø 4.5 x 50 - 80	60 x 120	50** x 120	12,1	18,9	10	*
W 40.130	40 x 130 x 12	18	Ø 4.5 x 50 - 80	60 x 140	50** x 140	14,5	22,7	10	*
W 40.150	40 x 150 x 12	22	Ø 4.5 x 50 - 80	60 x 160	50** x 160	19,3	30,2	10	*
*F _{2,Rk} (kN) for GL24h with fully threaded screws: Ø 4.5 x 50 with effective thread length of 45 mm and Ø 4.5 x 80 with effective thread length of 74 mm. For other screws and thread lengths or wood based materials: cf. design manual. ** Valid for part 2 (with the tongue) fixed at the end grain, otherwise 60 mm.									
						Ø 5 x 60	Ø 5 x 100		
W 60.100	60 x 100 x 12	18	Ø 5 x 60 - 100	70 x 120	80 x 120	19,6	32,3	10	*
W 60.140	60 x 140 x 12	24	Ø 5 x 60 - 100	70 x 160	80 x 160	31,4	51,7	10	*
W 80.180	80 x 180 x 12	34	Ø 5 x 60 - 100	70 x 200	100 x 200	47,1	77,5	10	*
W 80.220	80 x 220 x 12	44	Ø 5 x 60 - 100	70 x 240	100 x 240	62,7	103,3	10	*
*F _{2,Rk} (kN) for GL24h with fully threaded screws: Ø 5 x 60 with effective thread length of 54 mm and Ø 5 x 100 with effective thread length of 94 mm. For other screws and thread lengths or wood based materials: cf. design manual.									



W25.40

W25.100

W 40.90

W 40.110

W 40.150

W 60.140

WOOD-TO-WOOD CONECTORS W

TYPE	DIMENSIONS	No OF SCREWS /PAIR	SCREW SIZES	TIMBER		LOAD CAPACITY		PACKING UNIT	CE
				MAIN	SECONDARY	Ø8x160	Ø8x200		
W 120.200	120 x 200 x 20	16	Ø 8 x 100 - 200	160 x 220	140 x 220	49.8	61.6	4	*
W 120.250	120 x 250 x 20	20	Ø 8 x 100 - 200	160 x 270	140 x 270	74.6	92.3	4	*
W 120.300	120 x 300 x 20	24	Ø 8 x 100 - 200	160 x 320	140 x 320	99.5	123.1	4	*
W 120.350	120 x 350 x 20	28	Ø 8 x 100 - 200	160 x 370	140 x 370	124.4	153.9	4	*
W 120.400	120 x 400 x 20	32	Ø 8 x 100 - 200	170 x 420	140 x 420	149.3	184.7	4	*
W 120.450	120 x 450 x 20	36	Ø 8 x 100 - 200	170 x 470	140 x 470	174.2	215.5	4	*
W 120.500	120 x 500 x 20	40	Ø 8 x 100 - 200	170 x 520	140 x 520	199.1	246.2	4	*
W 120.550	120 x 550 x 20	44	Ø 8 x 100 - 200	170 x 570	140 x 570	223.9	277.0	4	*
W 120.600	120 x 600 x 20	48	Ø 8 x 100 - 200	170 x 620	140 x 620	248.8	307.8	4	*

*F_{2,Rk} (kN) for GL24h with fully threaded screws: Ø 8 x 160 with effective thread length of 150 mm and Ø 8 x 200 with effective thread length of 190 mm. For other screws and thread lengths or wood based materials: cf. design manual.

						Ø8x160	Ø8x200		
W 140.200	140 x 400 x 20	40	Ø 8 x 100 - 200	170 x 420	170 x 420	199.1	246.2	4	*
W 140.250	140 x 450 x 20	48	Ø 8 x 100 - 200	170 x 470	170 x 470	248.8	307.8	4	*
W 140.300	140 x 500 x 20	52	Ø 8 x 100 - 200	170 x 520	170 x 520	273.7	338.6	4	*
W 140.350	140 x 550 x 20	56	Ø 8 x 100 - 200	170 x 570	170 x 570	298.6	369.4	4	*
W 140.400	140 x 600 x 20	64	Ø 8 x 100 - 200	170 x 620	170 x 620	348.4	430.9	4	*

*F_{2,Rk} (kN) for GL24h with fully threaded screws: Ø 8 x 160 with effective thread length of 150 mm and Ø 8 x 200 with effective thread length of 190 mm. For other screws and thread lengths or wood based materials: cf. design manual.

CONCRETE - STEEL CONNECTORS SC

TYPE	WIDTH OF PLATES		CONNECTOR HEIGHT	TOTAL THICKNESS	SCREW JOIST	No OF ANCHORS HEADER CONCRETE	TIMBER WITH SCREWS Ø 5 X 60 mm	PACKING UNIT	C E
	JOIST	HEADER		(mm)	(WOOD)				
SC 100	60	90	100	18	9pc - Ø5 x 60-100	4	80 x 120	4	*
SC 140	60	90	140	18	12pc - Ø5 x 60-100	4	80 x 160	4	*
SC 180	80	110	180	18	17pc - Ø5 x 60-100	4	100 x 200	4	*
SC 220	80	110	220	18	22pc - Ø5 x 60-100	4	100 x 240	4	*

Remark: Characteristic load capacity wood part: cf. Wood-to-wood connections. The load capacity of the concrete part (anchor and concrete) must be verified separately. Standard HVP connectors for steel or concrete connection are automatically delivered with uplift protection (2 screws Ø 5 x 20 mm and fl at steel for uplift protection included)

							Ø8 x160(mm)		
SC 200	120	150	200	25	8pc - Ø8 x 100 - 200	4	140 x 220	4	*
SC 300	120	150	300	25	12pc - Ø8 x 100 - 200	4	140 x 320	4	*
SC 400	120	150	400	25	16pc - Ø8 x 100 - 200	4	140 x 420	4	*
SC 500	120	150	500	25	20pc - Ø8 x 100 - 200	4	140 x 520	4	*
SC 600	120	150	600	25	24pc - Ø8 x 100 - 200	4	140 x 620	4	*

Remark: Characteristic load capacity wood part: cf. Wood-to-wood connections. The load capacity of the concrete part (anchor and concrete) must be verified separately.

Please note: Items of type SC 500 and SC 600 are not in stock and need to be pre-ordered!

Connectors for steel or concrete connection are automatically delivered with uplift protection (2 screws Ø 6 x 20 mm and fl at steel for uplift protection included).



CONNECTORS DOUBLE DW

TYPE	DIMENSIONS	No of SCREWS /PAIR	SCREW SIZES	TIMBER		LOAD CAPACITY		PACKING UNIT	CE
				MAIN	SECONDARY	Ø 5 x 60	Ø 5 x 100		
DW 100	120 X 100 X 12	32	Ø 5 X 60 - 100	70 X 120	140 X 120	39.2	64.6	4	*
DW 140	120 X 140 X 12	44	Ø 5 X 60 - 100	70 X 160	140 X 160	62.7	103.3	4	*
DW 180	120 X 180 X 12	64	Ø 5 X 60 - 100	70 X 200	140 X 200	94.2	155.0	4	*
DW 220	120 X 220 X 12	84	Ø 5 X 60 - 100	70 X 240	140 X 240	125.5	206.7	4	*

Available on pre-order.

*F_{2,Rk} (kN) for GL24h with fully threaded screws: Ø 5 x 60 with effective thread length of 54 mm and Ø 5 x 100 with effective thread length of 94 mm.

For other screws and thread lengths or wood based materials: cf. design manual.

Standard double DW connectors are automatically delivered with uplift protection (2 screws Ø 5 x 20 mm and fl at steel for uplift protection included).

						Ø 8 X 160	Ø 8 X 200		
DW 200	240 X 200 X 20	28	Ø 8 X 100 - 200	160 X 220	260 X 220	99.5	123.1	4	*
DW 250	240 X 250 X 20	36	Ø 8 X 100 - 200	160 X 270	260 X 270	149.3	184.7	4	*
DW 300	240 X 300 X 20	44	Ø 8 X 100 - 200	160 X 320	260 X 320	199.1	246.2	4	*
DW 350	240 X 350 X 20	52	Ø 8 X 100 - 200	160 X 370	260 X 370	248.8	307.8	4	*
DW 400	240 X 400 X 20	60	Ø 8 X 100 - 200	170 X 420	260 X 420	298.6	369.4	4	*
DW 450	240 X 450 X 20	68	Ø 8 X 100 - 200	170 X 470	260 X 470	348.4	430.9	4	*
DW 500	240 X 500 X 20	76	Ø 8 X 100 - 200	170 X 520	260 X 520	398.1	492.5	4	*
DW 550	240 X 550 X 20	84	Ø 8 X 100 - 200	170 X 570	260 X 570	447.9	554.1	4	*
DW 600	240 X 600 X 20	92	Ø 8 X 100 - 200	170 X 620	260 X 620	497.6	615.6	4	*

Available on pre-order.

*F_{2,Rk} (kN) for GL24h with fully threaded screws: Ø 8 x 160 with effective thread length of 150 mm and Ø 8 x 200 with effective thread length of 190 mm.

For other screws and thread lengths or wood based materials: cf. design manual.

The DW double connectors are automatically delivered with uplift protection (2 screws Ø 6 x 20 mm and fl at steel for uplift protection included).

STEP CONNECTORS SVP 30

	HEIGHT (mm)	WIDTH (mm)	DEPTH (mm)	DESIGN VALUE	DRILLED HOLES Ø 4.7 mm
SVP 30	30	40	26	ABOUT 1.7 KN	8

WALL CONNECTORS WVP 60

	Base plate with suspension hook in mm	Boreholes Ø 6.5 mm	Anchor plate with recess for hook in mm	Boreholes Ø 6.5 mm	Overall thickness when combined in mm	Characteristic value* traction	Characteristic value* shearing to the side
WVP 60	60 X 80 X 5	6	60 x 80 x 3	4	19	9.6 KN	11.6 KN

*tested with fully threaded screws Spax 6 x 60 mm.



DW 550

SVP 30

WVP 60