

Connectors

88214.0000

Innovative wood connection systems for highest requirements.



PIST Metallbau GmbH & Co. KG
DIN EN 1090-2



Connectors HVP

HVP Verbinder 88214.0000

Optimal distances to the edges and variable screws length ensure accuracy of fit for each timber section.



Dimensions w x h x d (mm)	60 x 140 x 12
Number of screws	24
Screws size	Ø 5 x 60 - 100
Minimal timber section with screws Ø 5 x 60 (mm) Header	70 x 160
Joist	80 x 160
Characteristic load capacity* Ø 5 x 60	31,70
Ø 5 x 100	52,21
Packing unit	10
CE	*

* 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

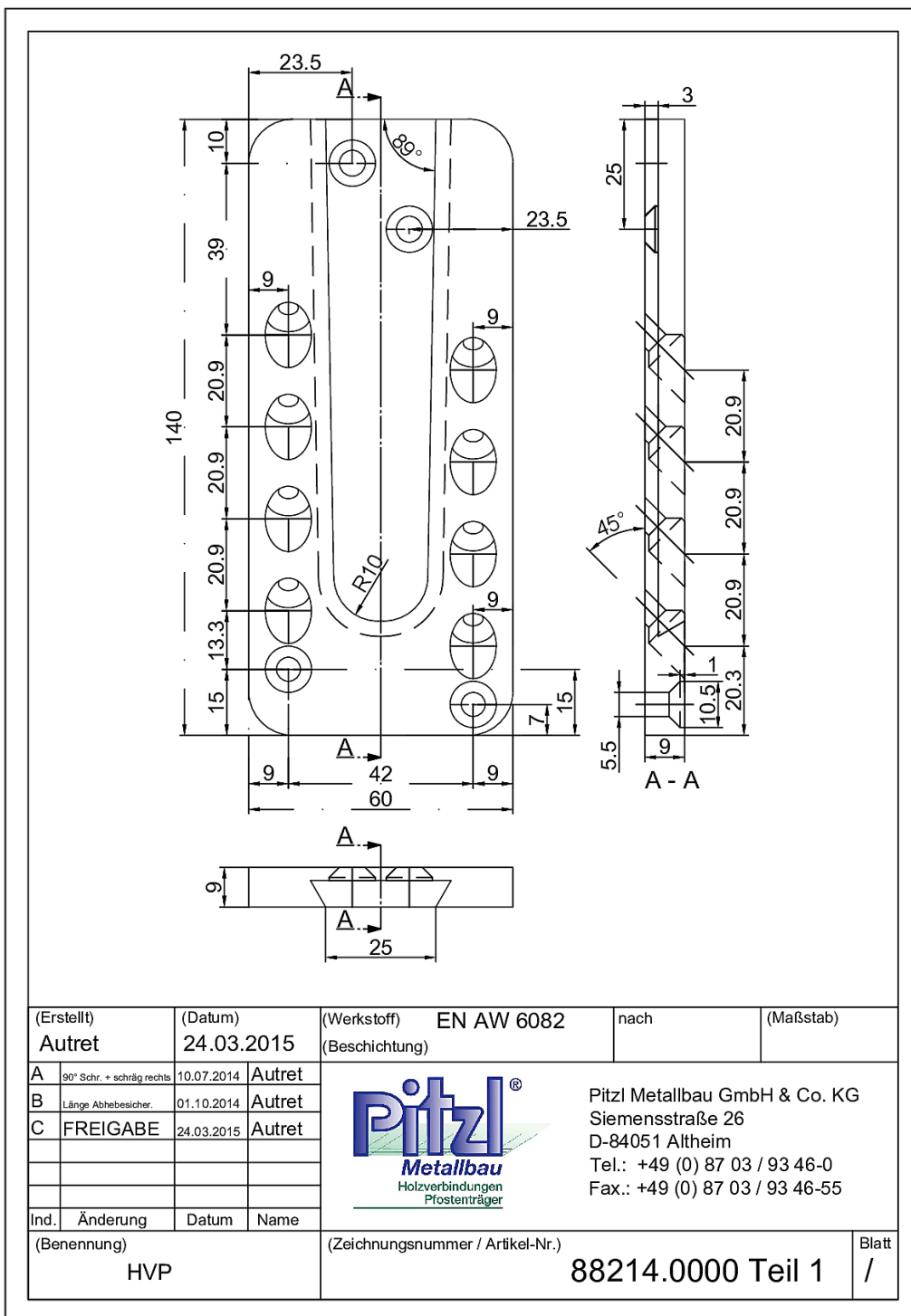


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Product information and
terms and conditions at
www.pitzl-connectors.com

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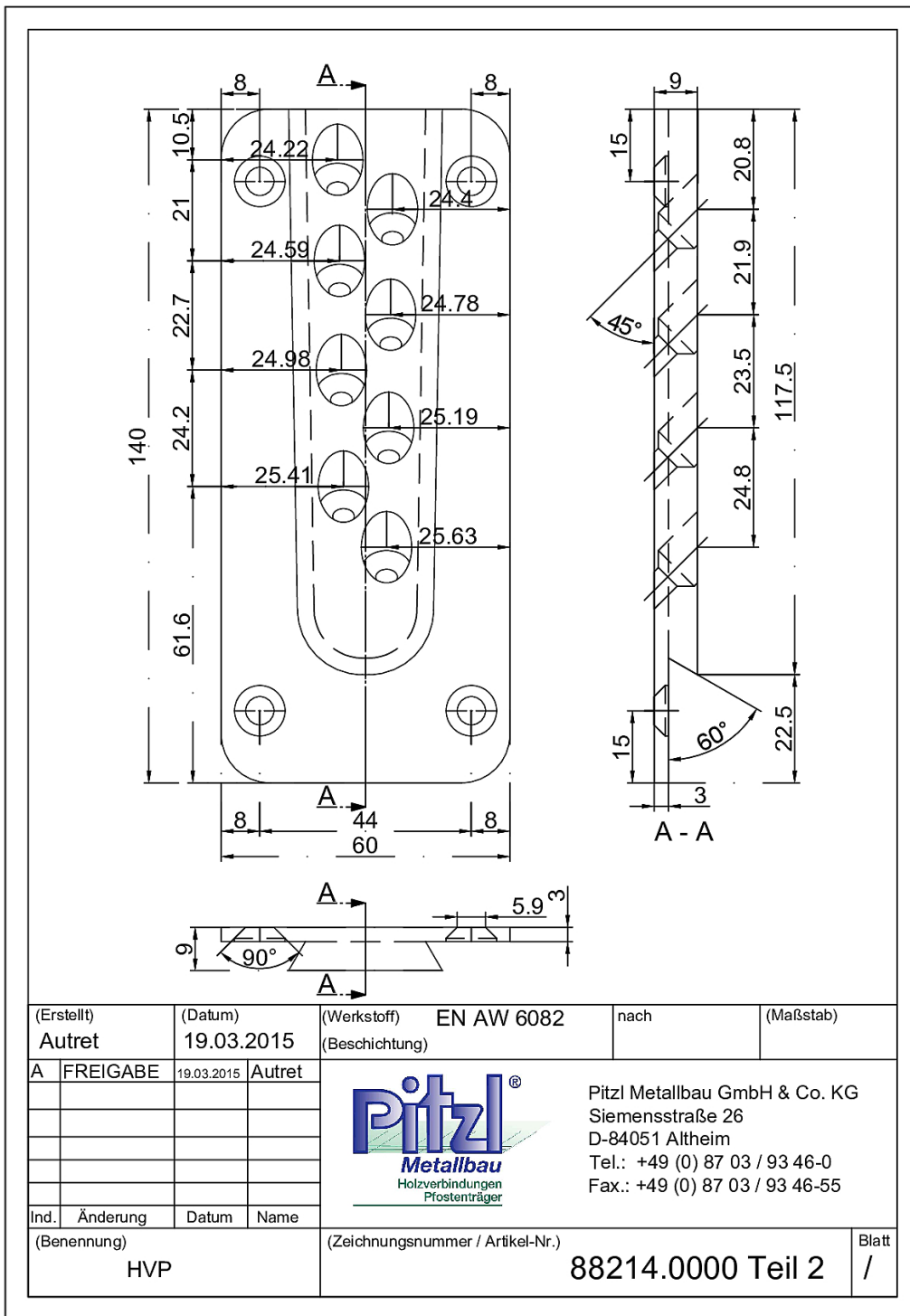


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Static values

Effective thread length (l_{ef})		Minimal section (mm)		Characteristic load capacity R_k (kN)							
				Solid wood C24 ($\rho_k = 350 \text{ kg/m}^3$)				Glued-laminated timber GL24h ($\rho_k = 385 \text{ kg/m}^3$)			
Screws	l_{ef} (mm)	H	J	$F_{2,Rk}$	$F_{3,Rk}$	$F_{4,Rk}$	$F_{1,Rk}$	$F_{2,Rk}$	$F_{3,Rk}$	$F_{4,Rk}$	$F_{1,Rk}$
$\emptyset 5,0 \times 60$	54	70 x 160	80 x 160	29,38	0,00	17,84	15,23	31,37	0,00	18,59	16,27
$\emptyset 5,0 \times 80$	74	90 x 190	80 x 190	39,01			20,23	41,66			21,60
$\emptyset 5,0 \times 100$	94	110 x 220	80 x 220	48,38			25,09	51,67			26,79

Further static values can be found in our design manual at www.pitzl-connectors.com/en/downloads

Accessories

Item no.	Description
99211.5060	Countersunk screw 5 x 60 mm
99211.5080	Countersunk screw 5 x 80 mm
99211.5100	Countersunk screw 5 x 100 mm
99111.5060	Countersunk screws V2A 5 x 60 mm
99111.5070	Countersunk screw V2A 5 x 70 mm
58000.0000	Milling and assembly template for connectors 88004 - 88322
58399.0000	Milling unit composed of Milling bit, milling template and hand overhead router
58396.0000	Collet holder
58396.0012	Collet $\emptyset 12 \text{ mm}$
50934.2000	Grooving cutter $\emptyset 20 \text{ mm}$



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