



# Connectors

# 88113.0000

Innovative wood connection systems for highest requirements.



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



## Connectors HVP

# HVP connector 88113.0000

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



Dimensions w x h x d (mm)	40 x 130 x 12
Number of screws	18
Screws size	Ø 4,5 x 50 - 80
Minimal timber section with screws Ø 4,5 x 50 (mm) Header	60 x 140
Joist	50** x 140
Characteristic load capacity* Ø 4.5 x 50	14,65
Ø 4,5 x 80	22,92
Packing unit	10
CE	*

\* F2,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.

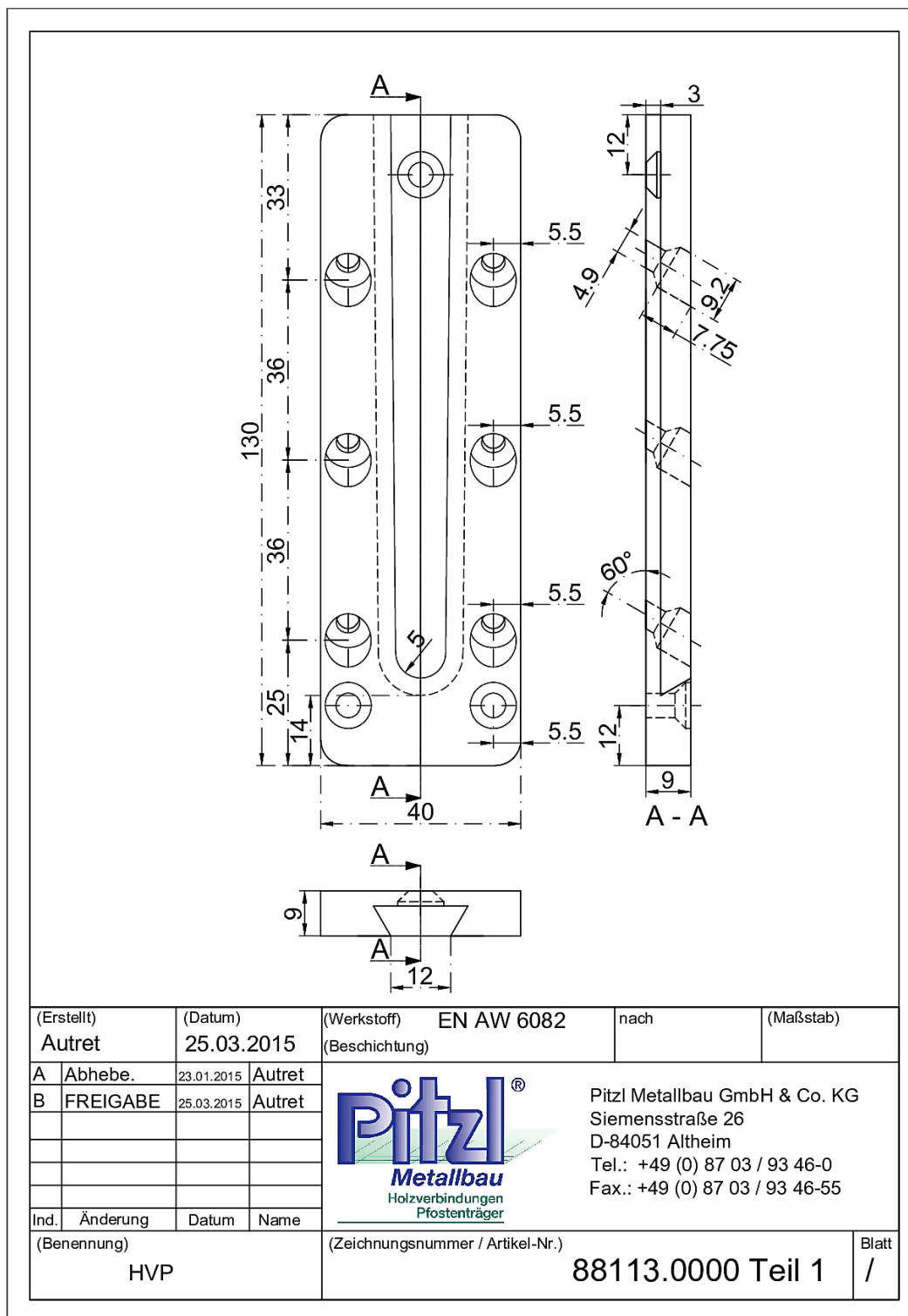


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Product information and  
terms and conditions at  
[www.pitzl-connectors.com](http://www.pitzl-connectors.com)

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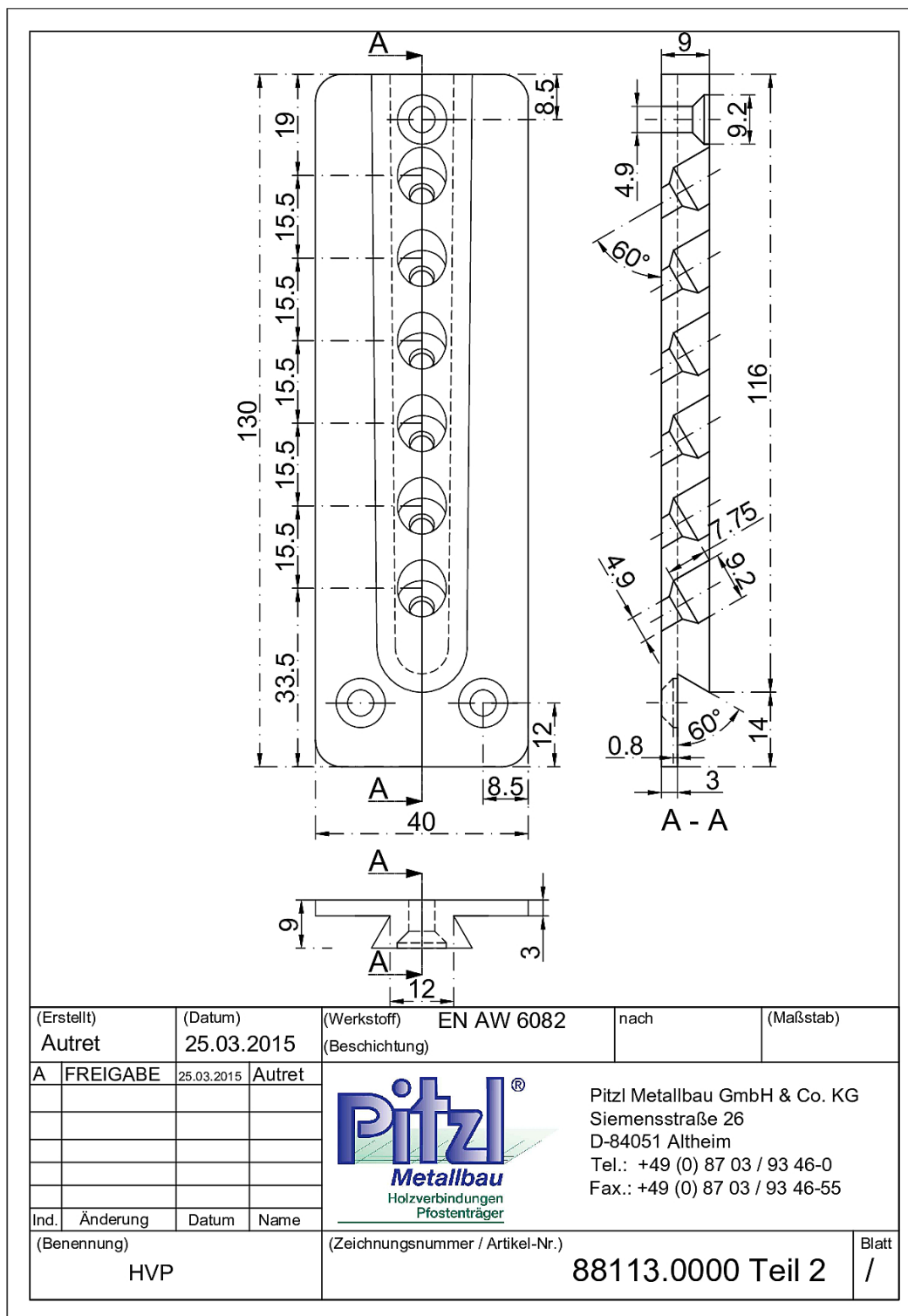


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### Static values

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	$F_{2,Rk}$	$F_{3,Rk}$	$F_{4,Rk}$	$F_{1,Rk}$	$F_{2,Rk}$	$F_{3,Rk}$	$F_{4,Rk}$	$F_{1,Rk}$
$\emptyset 4,5 \times 50$	44	60 x 140	60 x 140	13,57	0,00	11,26	9,20	14,50	0,00	11,74	9,82
$\emptyset 4,5 \times 60$	54	70 x 150	60 x 150	15,99			10,84	17,08			11,58
$\emptyset 4,5 \times 80$	74	90 x 170	60 x 170	21,24			14,39	22,68			15,37

Further static values can be found in our design manual at [www.pitzl-connectors.com/en/downloads](http://www.pitzl-connectors.com/en/downloads)

### Accessories

Item no.	Description
99211.4550	Countersunk screw 4,5 x 50 mm
99211.4560	Countersunk screw 4,5 x 60 mm
99211.4580	Countersunk screw 4,5 x 80 mm
99111.4550	Countersunk screw V2A 4,5 x 50 mm
99111.4560	Countersunk screw V2A 4,5 x 60 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
58396.0008	Collet $\emptyset 8 \text{ mm}$
50934.1000	Grooving cutter $\emptyset 10 \text{ mm}$



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