

# Connectors

## 88450.1000

Innovative wood connection systems for highest requirements.



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



ZiNiP max protection



## Connectors Heavy-duty HVP

# HVP connector 88450.1000

The new disposed inclined drilled holes as well as the possibility of using different screws lengths guarantee the adaptability to the small timber cross-sections too.



Dimensions w x h x d (mm)	120 x 500 x 20
Number of screws	40
Screws size	Ø 8 x 100 - 200
Minimal timber section with screws Ø 8 x 160 (mm) Header	170 x 520
Joist	140 x 520
Characteristic load capacity* Ø 8 x 160	201,15
Ø 8 x 200	248,84
Packing unit	4
CE	*

\* F<sub>2,Rk</sub> (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. Heavy-duty HVP connectors are automatically delivered with uplift protection (2 screws Ø 6 x 20 mm and flat steel for uplift protection included).



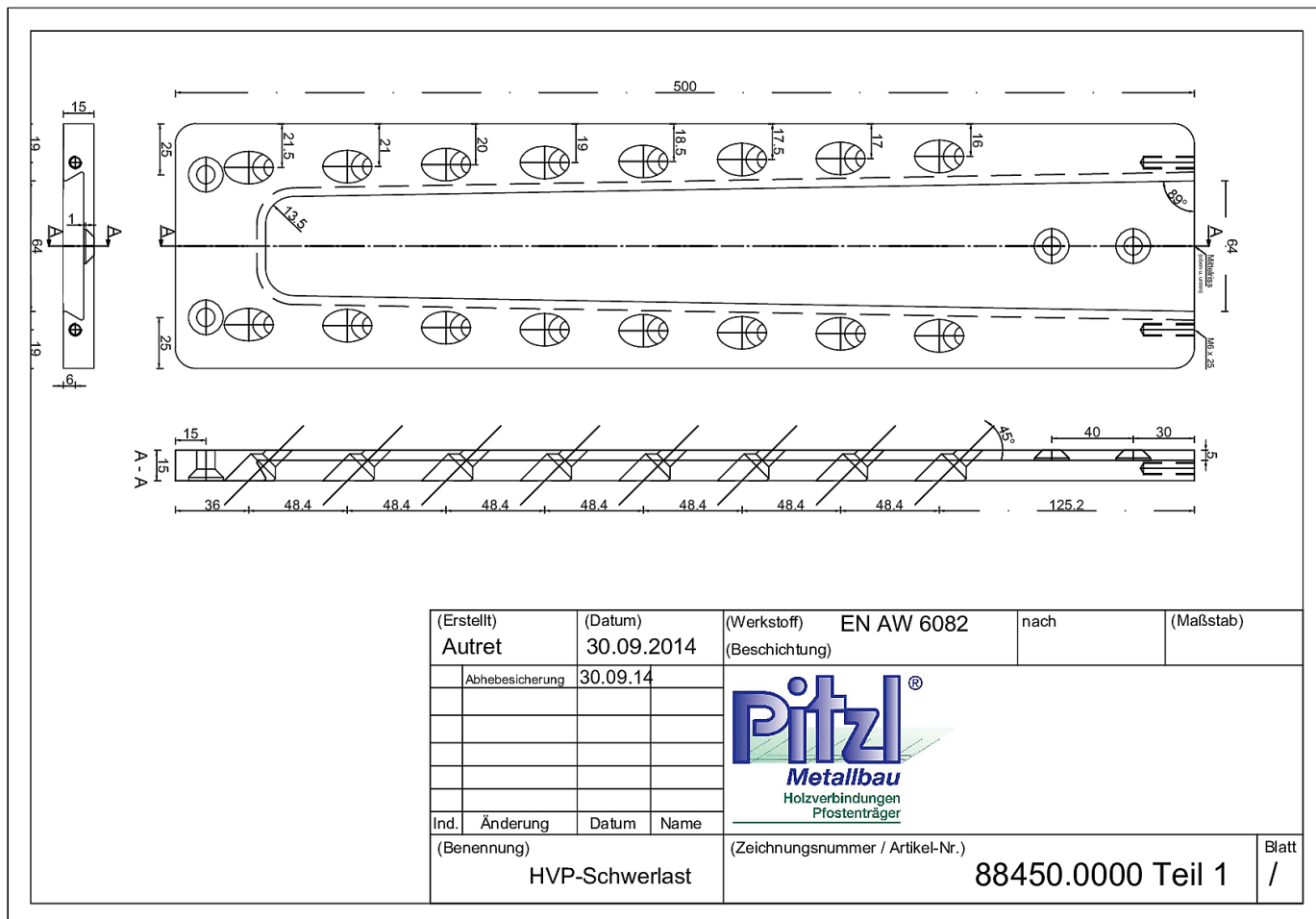
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Product information and  
terms and conditions at  
[www.pitzl-connectors.com](http://www.pitzl-connectors.com)

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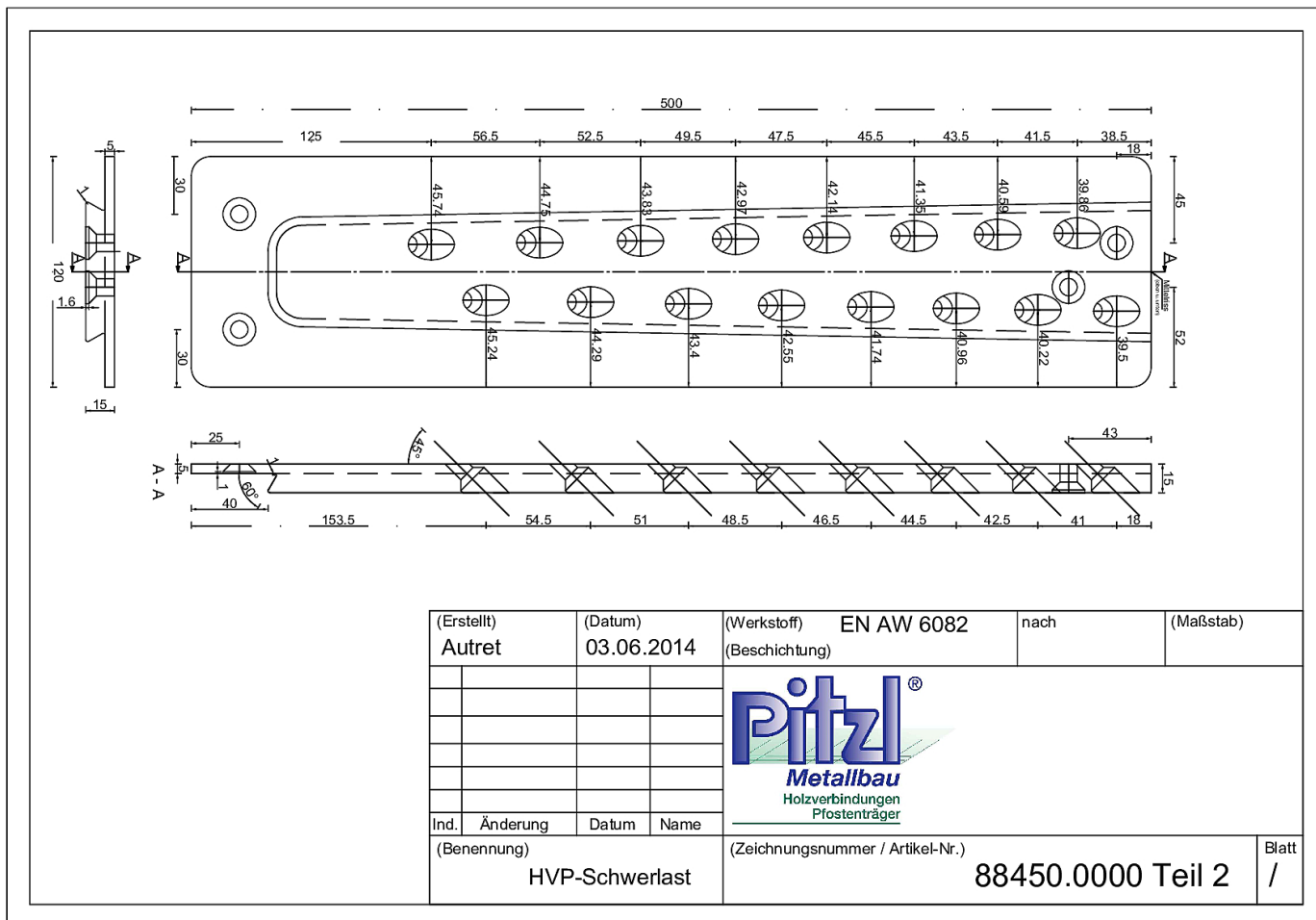
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### Static values

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	$F_{2,Rk}$	$F_{3,Rk}$	$F_{4,Rk}$	$F_{1,Rk}$	$F_{2,Rk}$	$F_{3,Rk}$	$F_{4,Rk}$	$F_{1,Rk}$
$\emptyset 8,0 \times 160$	150	170 x 520	140 x 520	186,38	36,40	64,54	48,32	199,06	36,40	67,25	51,61
$\emptyset 8,0 \times 180$	170	190 x 550	140 x 550	208,61			54,09	222,79			57,76
$\emptyset 8,0 \times 200$	190	210 x 580	140 x 580	230,57			59,78	246,25			63,85

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
99211.0812	Countersunk screw 8 x 120 mm
99211.0818	Countersunk screw 8 x 180 mm
99211.0820	Countersunk screw 8 x 200 mm
58400.0000	Milling and assembly template for connectors 88420 - 88560
58396.0000	Collet holder
58396.0012	Collet $\emptyset 12 \text{ mm}$
50934.2000	Grooving cutter $\emptyset 20 \text{ mm}$



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