

# GEPI-CONNECT

Innovative timber connection systems for highest requirements.



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



# Sound protection angle bracket with power

The so called „GePi-Winkel“, which was created as part of this cooperation, has a much higher load-bearing capacity than comparable concepts on the market. On the basis of test results the TVFA-Innsbruck confirms characteristic loads up to 60 kN for the GePi 240. An additional advantage of this system is the energy dissipation without any breakage in the earthquake case. Cyclic stresses impressively confirm the efficiency due to acting dynamic loads of the revolutionary GePi-concept.



81000.0100



81000.0240



81010.0000

## GePi - Connect

Item no.	Labeling	Dimension				Screwing 8 mm		Characteristic load-bearing capacity [kN] *)		
		A	B	H	s	Horizontal (TK 8 x 80 TG)	Vertikal (SK 8 x 160 VG)	F <sub>1,k</sub>	F <sub>2/3,k</sub>	F <sub>4/5,k</sub>
81000.0100	GePi 100	100 mm	100 mm	100 mm	3	5	4	16	12	12
81000.0240	GePi 240	100 mm	240 mm	100 mm	3	16	11	50	60	40

\* Values determined with experimental tests from the University Innsbruck. European Technical Assessment (ETA) applied.

Item no.	Labeling	Material		
		Angle bracket	Sylodyn®	Supporting plate
81000.0100	GePi 100	Steel S250GD + Z275	Closed cellular pore structure	Steel S235
81000.0240	GePi 240	Steel S250GD + Z275	Closed cellular pore structure	Aluminium EN AW 6082

In comparison to a lot of other conventional building materials, elastomers have a distinctive pronounced non-linear material behavior. That means, material parameters such as static- and dynamic stiffnesses are dependent on the particular load situation. In order for an ideal use of the material Sylodyn®, we recommend a mounting kit to ensure a defined preload.

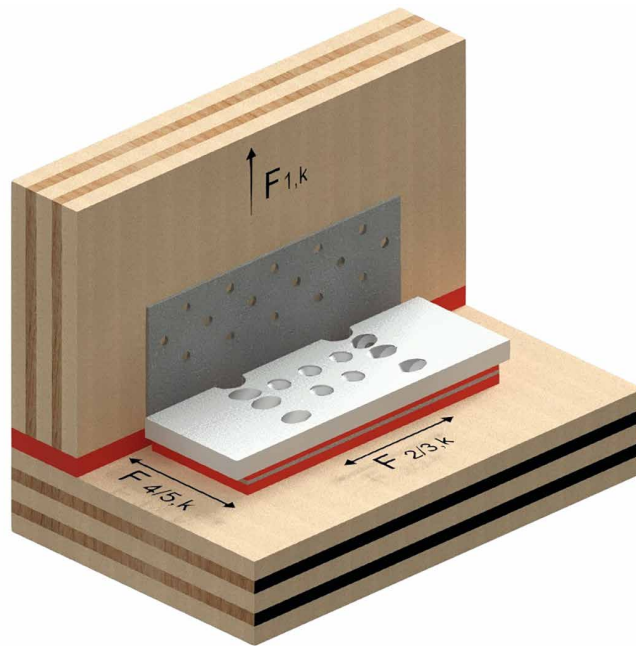
## Accessories

Fitting tool

Item no.	Description
81010.0000	Fitting tool, 2-parts for GePi angle bracket

Screws

Item no.	Description	d	l	lg	dk	Screw-driver
99200.0880	Washer-head screw	8	80	60	18,0	T-40
99211.0816	Counter-sunk screw	8	160	150	14,8	T-40



## Characteristic Load-bearing capacity up to 60 kN

acc. to EN 1995:2014

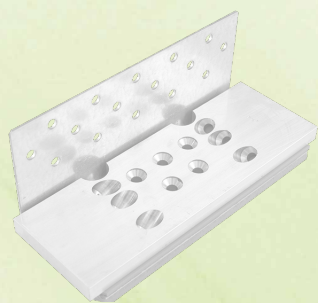
## Applications

- Angle brackets for shear loads with decoupled flanks
- Connection timber-timber
- High wind forces
- Earthquake loads (GePi 240)
- Lifting forces
- Increased requirements on sound insulation



## Advantages and benefits

- High shear- and tensile strength
- Sound transmission decoupled connection
- Proofed sound insulation
- Resistant to earthquakes (GePi 240)
- Reliability for Engineers and users
- Approved product quality



## Fast, easy and precisely to the best solution

- Wood connectors
- Post bases
- Balcony/fence posts
- Tools / accessories
- Sound insulation for timber constructions
- always up to date with [www.pitzl-connectors.com](http://www.pitzl-connectors.com)

We recommend our distribution partner:



Pitzl Metallbau GmbH & Co. KG  
Siemensstraße 26  
DE-84051 Altheim, Germany

Tel.: +49 (0) 8703 9346-0  
Fax: +49 (0) 8703 9346-55  
[info@pitzl-connectors.com](mailto:info@pitzl-connectors.com)

Downloads, technical  
Information, installation videos:  
[www.pitzl-connectors.com](http://www.pitzl-connectors.com)

Need help? Contact to our  
competent employees:  
**+49 (0) 8703 9346-0**

