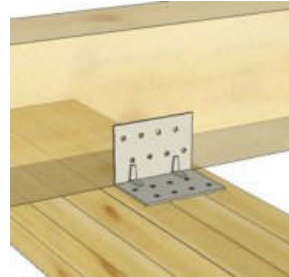




**GH - Angle bracket Type 692**

ETA-13/0900



**Properties**

Steel grade S 250 GD / DX 51 D / 1.4571  
 Surface Z 275 / Stainless steel

**For angle bracket basic principles, see download document**

**Fasteners**

**Fixing in timber with fasteners to ETA-13/0523**

GH connector nails (threaded nails) 4.0 x 35 / 40 / 50 / 60 / 75 / 100 mm

GH screw 5.0 x 25 / 35 / 40 / 50 / 60 / 70 mm

The joint can also be made with an interlayer (e.g. OSB).

**Nail pattern**

Full nailing / partial nailing, see technical drawing or ETA

**Calculation of the design value of the load-carrying capacities to ETA-13/0900**

The tables contain characteristic load-carrying capacities (resistances) and design values of the load-carrying capacity (resistance) "short-term" in kN

b = Purlin / joist width  
 e = Distance of the load application point from the bottom of the angle bracket

**Remarks:**

Timber strength class 350 kg/m<sup>3</sup> char. density.

**The fastener minimum edge distances to EC 5 shall be satisfied.**

All calculations and values are exclusively for GH products and their fasteners.

The load-bearing capacities were determined on the basis of ETA 13/0523. It is not possible to transfer the values to third party makes.

**Disclaimer:**

Despite careful calculations and checking, no liability is accepted for the technical data.

Subject to change without notice

**For technical drawing, see website [www.holzverbinder.de](http://www.holzverbinder.de)**



**Angle bracket Type 692                      Art. No. 692                      65 x 65 x 90 x 2.0 mm**

Characteristic load-carrying capacity (resistance) and design value of the load-carrying capacity (resistance) ("short-term") in kN,

**Load direction  $F_1$  for one or two angle brackets**

	Number of nail holes $n_V$	Number of nail holes $n_H$	LDC	1x angle brackets		2x angle brackets	
				Fasteners		Fasteners	
				4x40	4x60	4x40	4x60
Purlin-Purlin	1, 2, 3, 4	9, 10, 11, 12, 13, 14, 15, 16	char.	0,67	0,67	1,34	1,34
			short-term	0,67	0,67	1,34	1,34

**Load direction  $F_{2/3}$  for one or two angle brackets**

	Number of nail holes $n_V$	Number of nail holes $n_H$	LDC	1x angle brackets		2x angle brackets	
				Fasteners		Fasteners	
				4x40	4x60	4x40	4x60
Timber-to-timber	1, 2, 3, 4	9, 10, 11, 12, 13, 14, 15, 16	char.	3,82	5,19	7,64	10,4
			short-term	2,64	3,59	5,29	7,20

**Load direction  $F_{4/5}$  for two angle brackets**

	Number of nail holes $n_V$	Number of nail holes $n_H$	LDC	1x angle brackets		2x angle brackets	
				Fasteners		Fasteners	
				4x40	4x60	4x40	4x60
Timber-to-timber	1, 2, 3, 4	9, 10, 11, 12, 13, 14, 15, 16	char.			5,01	5,13
			short-term			5,01	5,13