



# Declaration of Performance

No. 009CPR2016-08-29

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**1. Product-type:** Joist hanger

**2. Identification:** Outside type:

**Blank: 238 (mm) Art:** 72201; 72220; 72228; 72233; 72270; 72271; 72272; 72273

**Blank: 260 (mm) Art:** 72202; 72205; 72209; 72221; 72236; 72241; 72250; 72280; 72281

**Blank: 320 (mm) Art:** 72203; 72206; 72210; 72212; 72219; 72227; 72231; 72232; 72234; 72242; 72245; 72282

**Blank: 380 (mm) Art:** 72204; 72207; 72211; 72213; 72223; 72225; 72237; 72243; 72246; 72248; 72274; 72275; 72283

**Blank: 440 (mm) Art:** 72208; 72214; 72218; 72222; 72226; 72235; 72238; 72244; 72247; 72249

**Blank: 500 (mm) Art:** 72215

## Inside type:

**Blank: 238 (mm) Art:** 72309; 72315; 72329

**Blank: 260 (mm) Art:** 72303; 72314; 72316; 72318; 72351; 72352

**Blank: 320 (mm) Art:** 72302; 72304; 72306; 72317; 72319; 72322; 72330; 72353

**Blank: 380 (mm) Art:** 72301; 72305; 72308; 72311; 72313; 72328; 72354

**Blank: 440 (mm) Art:** 72312; 72321; 72323; 72324; 72325; 72327

## Outside type (with hooks):

**Blank: 238 (mm) Art:** 75201; 75205; 75210; 75215

**Blank: 260 (mm) Art:** 75202; 75206; 75211; 75216; 75221; 75225; 75241

**Blank: 320 (mm) Art:** 75203; 75204; 75207; 75212; 75217; 75222; 75226; 75227; 75230; 75233; 75236

**Blank: 380 (mm) Art:** 75208; 75213; 75218; 75223; 75228; 75231; 75234; 75237; 75239; 75242

**Blank: 440 (mm) Art:** 75209; 75214; 75219; 75224; 75229; 75232; 75235; 75238; 75240; 75243

**Blank: 500 (mm) Art:** 75244

## Inside type (with hooks):

**Blank: 238 (mm) Art:** 75303; 75307

**Blank: 260 (mm) Art:** 75301; 75308; 75312

**Blank: 320 (mm) Art:** 75302; 75304; 75305; 75309; 75315; 75317; 75319

**Blank: 380 (mm) Art:** 75306; 75310; 75313; 75321; 75322

**Blank: 440 (mm) Art:** 75311; 75314; 75316; 75318; 75320; 75323

- 3. Intended use:** Three-dimensional nailing plates (joist hanger for wood to wood and wood to concrete or steel connections)
- 4. Manufacturer:** Arras Construction Furniture OÜ  
Veerme 23  
11625, Tallinn  
Estonia
- 5. System of assessment of performance:** System 2+
- 6. Approval body:** ETA Danmark A/S  
Kollegievej 6 DK-2920  
Charlottenlund, Denmark
- European Technical Assessment:** ETA 11/0478  
**European Assessment Document (EAD):** ETAG015
- 7. Notified body:** Inspecta Estonia OÜ  
Identification No: 1336  
Teaduspargi 8, 12618  
Tallinn, Estonia
- Factory Production Control (FPC):** 1336-CPR-0156

## 8. Declared performances

Essential characteristics	Performance	European Technical Assessment
<b>Mechanical resistance and stability*)</b>		
Characteristic load-carrying capacity	See ETA 11/0478 Annex B	ETAG 015 / 22.04.2013
Stiffness	NPD (No Performance Determined)	ETAG 015 / 22.04.2013
Ductility in cyclic testing	NPD	ETAG 015 / 22.04.2013
<b>Safety in case of fire</b>		
Reaction to fire	The angle brackets are made from steel classified as Euroclass A1 in accordance with EN 13501-1 and European Commission Delegated Regulation 2016/364 of 1 July 2015	ETAG 015 / 22.04.2013
<b>Hygiene, health and the environment</b>		
Influence on air quality	No dangerous materials **)	ETAG 015 / 22.04.2013
<b>Safety in use</b>	Not relevant	ETAG 015 / 22.04.2013
<b>Protection against noise</b>	Not relevant	ETAG 015 / 22.04.2013
<b>Energy economy and heat retention</b>	Not relevant	ETAG 015 / 22.04.2013
<b>Related aspects of serviceability</b>		
Durability and serviceability	The angle brackets have been assessed as having satisfactory durability and serviceability when used in timber structures using the timber species described in Eurocode 5 and subject to the conditions defined by service class 1 and 2	ETAG 015 / 22.04.2013
Identification	See ETA 11/0478 Annex A	ETAG 015 / 22.04.2013

\*) See page 5 of this ETA

\*\*) In accordance with <http://europa.eu.int/-/comm/enterprise/construction/internal/dangsub/dangmain.htm> In addition to the specific clauses relating to dangerous substances contained in this European Technical Approval, there may be other requirements applicable to the products falling within its scope (e.g. transposed European legislation and national laws, regulations and administrative provisions). In order to meet the provisions of the EU Construction Products Directive, these requirements need also to be complied with, when and where they apply

## 9. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed on behalf of the manufacturer by:

Authorized by: **Mario Metsoja**  
Position: **Quality Manager**

Signature:



Date: **29.08.2016 (Tallinn)**