



PRODUCT DATASHEET

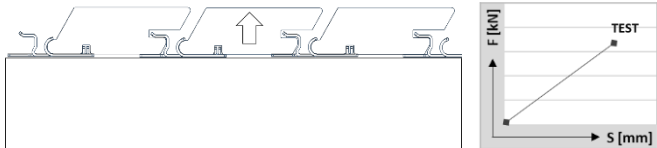
TIGA® Facade connector

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1. Unique identification code of the product type	TIGA Facade connector
2. Label for identification of the product	Type description: See product packaging
3. Intended purpose of use	Concealed connector for rhombus TIGA-profiled facade boards
4. Manufacturer	FIXINGGROUP GmbH
5. Test method for evaluating and monitoring performance	Tensile tests Determination of limit values and deformation behaviour
6. Harmonized standard - CE declaration of conformity mark	Not subject to declaration of conformity
7. Declared performance	According to the table below

General information	
1.1. Fastening type	 Fixed point - Sliding point The fixed point holds the facade profile in position. The sliding point ensures controlled compensation of shrinking movements. This type of function is suitable for native, specially modified wood species and wood-like materials
1.2 Material	- Zinc-Aluminium-Magnesium coated steel sheet S250GD + ZM310 The coating consists of an alloy containing approximately 93.5% zinc, 3.5% aluminium and 3% magnesium. Coating weight: 310 g/m², corresponding to a coating thickness of approximately 25 µm per side Corrosivity category: C4 - High, according to ISO 12944-2 Minimum 720 hours in a neutral salt spray test according to ISO 9227 Typical environments: Inland industrial areas with moderate sulphur dioxide exposure, flue gases or high levels of air pollution from factories and power plants. Urban and industrial infrastructure projects. Areas adjacent to heavily trafficked roads exposed to de-icing salt aerosols - Stainless steel A2 1.4301 Corrosion resistance class according to data sheet stainless steel for building industry - Accessory screw UNIA Ø 4.2 x 28 mm - revert to datasheet UNIA - Fire classification: Reaction to fire classification according to EN 13501-1: Class A1 - Non-combustible
1.3 Dimensions	According to the following illustrations
1.4 Tensile tests	The limit values are determined by tensile stress loading. The mechanical property of the load-bearing capacity and the deformation behaviour were determined via a node. Feed speed 4.00 mm/min 

FOR INTERNAL USE ONLY

All statements are based on our current knowledge and experience - no guarantee can be derived from our statements.

The suitability of the product for a specific application can only be guaranteed by our own tests and trials. Installation is in accordance with the manufacturer's specifications, Tips and tricks, installation instructions, technical rules, guidelines and country-specific regulations. Before installation, local conditions (e.g. wind load) and local building regulations must be approved by an expert. The correct processing and installation of our products is beyond our control and therefore not our responsibility. Errors, modifications of the product range and technical changes are reserved.



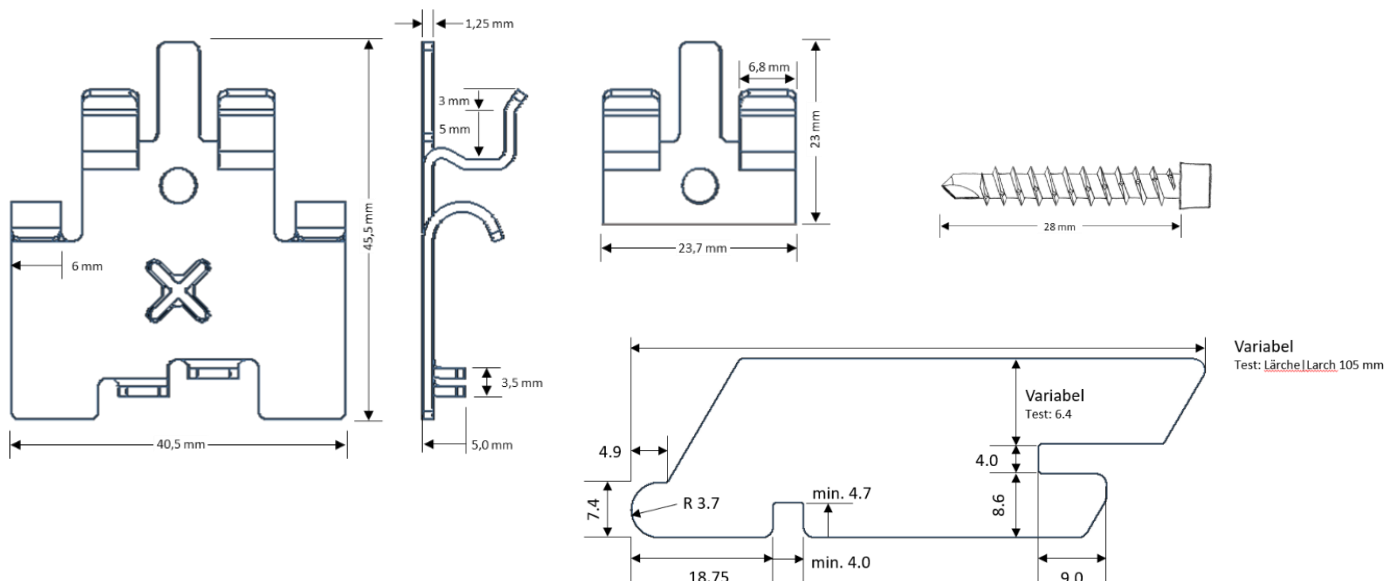
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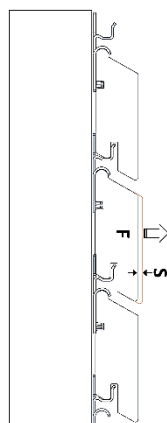
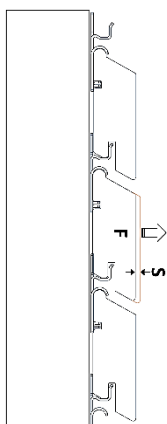
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TIGA facade boards:

Different types and qualities of wood result in different profiling tolerances - these are to be determined by the manufacturer producing the wooden board profiles and adapted to the connectors engagement zones. Prior to mass production, installation tests must be carried out to ensure functionality and ease of installation.

TIGA facade profiles can be produced in a wide range of dimensions. The maximum deformation force of the cladding profiles must not exceed the tested limit values [see tables of tensile tests]. The suitability and compatibility of the specially profiled cladding profiles must be verified with the cladding connector.



TIGA Tensile values		Larch					
F Force [kN] S Def. [mm]		F	S	F	S	Fmax	S
Facade board sample 68 mm	TEST 1	0,88	2,0	0,95	4,0	0,97	3,6
	TEST 2	0,86	2,0	0,93	4,0	0,93	3,8
	TEST 3	0,86	2,0	0,90	4,0	0,94	3,4
	TEST 4	0,87	2,0	0,91	4,0	1,00	3,1
	TEST 5	0,78	2,0	0,88	4,0	0,93	5,1
	TEST 6	0,77	2,0	0,78	4,0	0,89	1,6
	Mean value	0,84	2,0	0,89	4,0	0,94	3,4
	Minimum	0,77	2,0	0,78	4,0	0,89	1,6
	Maximum	0,88	2,0	0,95	4,0	1,00	5,1
max. Load_deformation of connector							

TIGA Tensile values		Oak					
F Force [kN] S Def. [mm]		F	S	F	S	Fmax	S
Facade board sample 68 mm	TEST 1	0,96	2,0	0,98	4,0	1,00	3,4
	TEST 2	0,84	2,0	0,87	4,0	0,91	3,4
	TEST 3	0,84	2,0	0,89	4,0	0,93	2,9
	Mean value	0,88	2,0	0,91	4,0	0,95	3,2
	Minimum	0,84	2,0	0,87	4,0	0,91	2,9
	Maximum	0,96	2,0	0,98	4,0	1,00	3,4
max. Load_deformation of connector							



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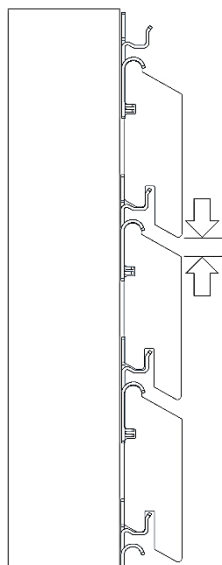
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TIGA		Joint distance					
Joint designs							
Measurements in mm		7	8	9	10	11	12
Referenz- Holzarten	Accoya						
	Douglas fir						
	Spruce						
	Kebony						
	Larch						
	Acacia						
	Thermo-Ash						
	Thermo-Spruce						
	Thermo-Pine						
	Thermo-Paplar						
	Thermo-Fir						
	Silver Fir						
	WPC						
	Swiss stone pine						

		The joint design depends on the type of wood specie and the dimensions of the boars profile.					
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