



PRODUCT DATASHEET

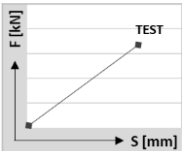
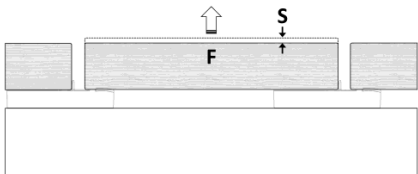
DILA C® Decking connector

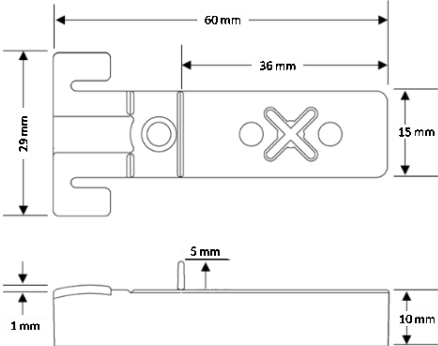
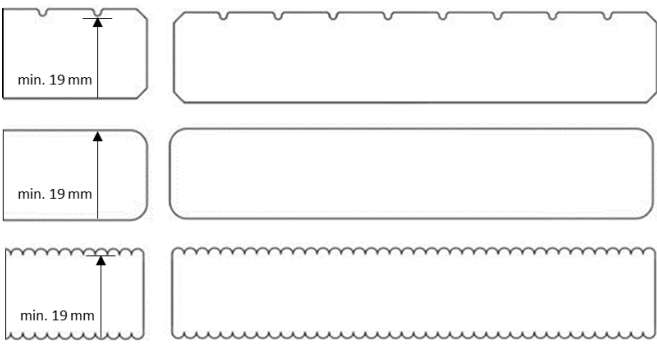
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1. Unique identification code of the product type	DILA C DECKING CONNECTOR
2. Label for identification of the product	Type description: See product packaging
3. Intended purpose of use	Concealed decking fixing system
4. Manufacturer	FIXINGGROUP GmbH
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 decking board in position - the sliding point ensures controlled movement of swelling and shrinking effects. This type of system is suitable for native and modified wood species
1.2 Material	- PA6 30GF Polyamide with 30% glass fibre reinforcement UV and weather-resistant - Accessory screw UNIA Ø 4.2 mm – revert to datasheet UNIA
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	 

 Dimensions decking connector	 Dimensions of decking profiles
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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. 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.



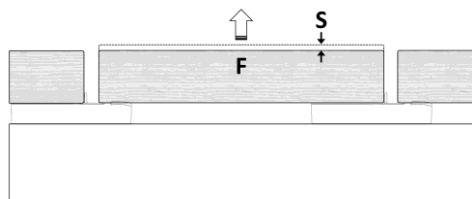
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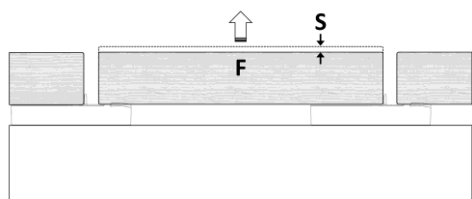
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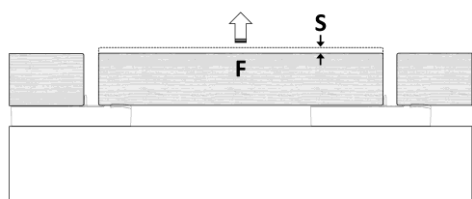
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DILA C Tensile tests		Substructure - RELO					
F Force [kN] S Def. [mm]		F	S	F	S	Fmax	Smax
Test sample Cumaru 120 mm	TEST 1	1,84	2,0	2,59	4,0	2,90	6,9
	TEST 2	1,69	2,0	2,45	4,0	2,80	6,1
	TEST 3	1,82	2,0	2,63	4,0	2,79	6,0
	TEST 4	1,81	2,0	2,51	4,0	2,83	6,1
	TEST 5	1,88	2,0	2,62	4,0	2,96	6,5
	Mean Value	1,81	2,0	2,56	4,0	2,86	6,3
	Minimum	1,69	2,0	2,45	4,0	2,79	6,0
	Maximum	1,88	2,0	2,63	4,0	2,96	6,9
max. load_Deformation to fracture of DILA C with partial screw pull-out from the decking board							



DILA C Tensile tests		Substructure - Hardwood					
F Force [kN] S Def. [mm]		F	S	F	S	Fmax	Smax
Test sample Cumaru 120 mm	TEST 1	1,79	2,0	2,51	4,0	2,84	6,1
	TEST 2	1,83	2,0	2,55	4,0	2,77	6,2
	TEST 3	1,75	2,0	2,50	4,0	2,81	6,2
	TEST 4	1,80	2,0	2,61	4,0	2,85	6,3
	TEST 5	1,91	2,0	2,66	4,0	2,88	6,4
	Mean Value	1,82	2,0	2,57	4,0	2,83	6,2
	Minimum	1,75	2,0	2,50	4,0	2,77	6,1
	Maximum	1,91	2,0	2,66	4,0	2,88	6,4
max. load_Deformation to fracture of DILA C with partial screw pull-out from the decking board							



DILA C Tensile tests		Substructure - Larch					
F Force [kN] S Def. [mm]		F	S	F	S	Fmax	Smax
Test sample Larch 140 mm	TEST 1	1,81	2,0	2,54	4,0	2,95	7,3
	TEST 2	1,73	2,0	2,39	4,0	2,59	6,0
	TEST 3	1,85	2,0	2,56	4,0	2,77	6,0
	TEST 4	1,72	2,0	2,45	4,0	2,96	7,1
	TEST 5	1,81	2,0	2,59	4,0	2,91	6,1
	Mean Value	1,78	2,0	2,51	4,0	2,84	6,5
	Minimum	1,72	2,0	2,39	4,0	2,59	6,0
	Maximum	1,85	2,0	2,59	4,0	2,96	7,3
max. load_Deformation to fracture of DILA C with partial screw pull-out from the decking board							

Irregularities in the decking construction, caused by deformation of the terrace boards and/or the substructure, can cause creaking noises when walking on the decking. These occasional occurrences are mostly temporary which can also be caused by extreme changes in weather [large swelling and shrinking within a short time].