PRODUCT DATASHEET
DILA® Decking connector

09.06.2026 This copy is not subject to the print or paper form

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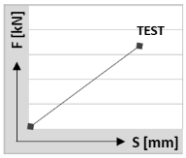
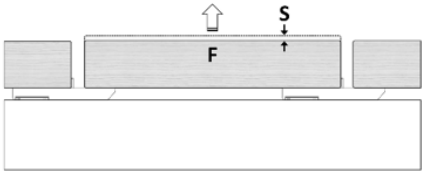
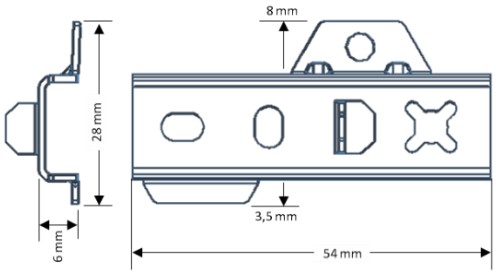
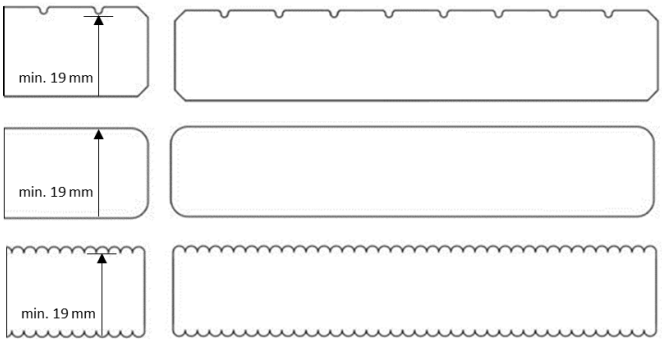
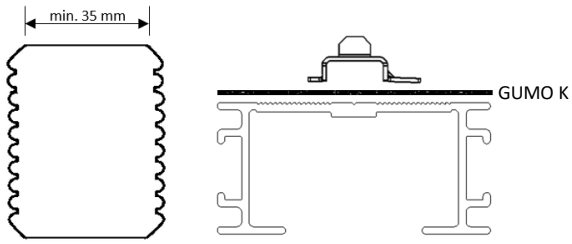
1. Unique identification code of the product type	DILA2 DECKING CONNECTOR
2. Label for identification of the product	Type description: See product packaging
3. Intended purpose of use	Concealed decking fixing system
4. Manufacturer	FIXINGGROUP GmbH
5. Test method for evaluating and monitoring performance	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	- Stainless steel 1.4016 - Stainless steel 1.4016 with black coating Mechanical and chemical wear of the black Surface coating cannot be excluded - 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 profiles - substructure







GUMO K protection & isolating tape should be applied when using with Aluminium substructures

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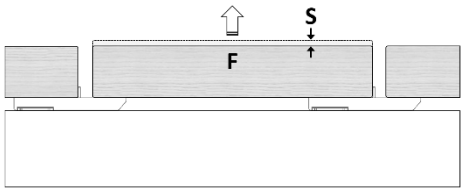
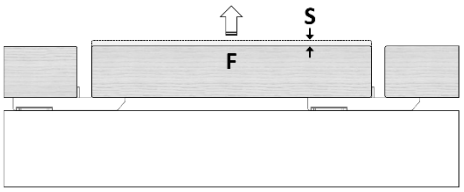
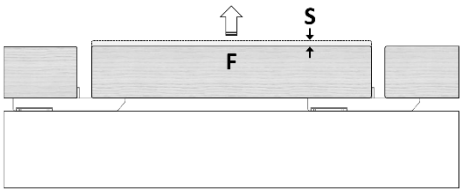


DILA **Tensile tests**		**Substructure - RELO**					
F Force [kN] | **S** Def. [mm]		**F**	**S**	**F**	**S**	**F**max	**S**max
Test sample Cumaru 120 mm	TEST 1	0,85	2,0	1,12	4,0	2,48	10,0
	TEST 2	0,71	2,0	1,16	4,0	2,20	10,0
	TEST 3	0,68	2,0	1,02	4,0	2,05	10,0
	Mean Value	**0,75**	**2,0**	**1,10**	**4,0**	**2,24**	**10,0**
	Minimum	0,68	2,0	1,02	4,0	2,05	10,0
	Maximum	0,85	2,0	1,16	4,0	2,48	10,0
max. stress_deformation DILA							



DILA **Tensile tests**		**Substructure - Hardwood**					
F Force [kN] | **S** Def. [mm]		**F**	**S**	**F**	**S**	**F**max	**S**max
Test sample Cumaru 120 mm	TEST 1	0,76	2,0	1,10	4,0	2,46	10,0
	TEST 2	0,73	2,0	1,12	4,0	2,38	10,0
	TEST 3	0,71	2,0	1,08	4,0	2,24	10,0
	Mean Value	**0,73**	**2,0**	**1,10**	**4,0**	**2,36**	**10,0**
	Minimum	0,71	2,0	1,08	4,0	2,24	10,0
	Maximum	0,76	2,0	1,12	4,0	2,46	10,0
max. stress_deformation DILA							



DILA **Tensile tests**		**Substructure - Larch**					
F Force [kN] | **S** Def. [mm]		**F**	**S**	**F**	**S**	**F**max	**S**max
Test sample Larch 125 mm	TEST 1	0,81	2,0	1,08	4,0	2,49	11,1
	TEST 2	0,75	2,0	1,04	4,0	2,06	10,2
	TEST 3	0,66	2,0	0,95	4,0	1,99	10,1
	Mean Value	**0,74**	**2,0**	**1,02**	**4,0**	**2,18**	**10,4**
	Minimum	0,66	2,0	0,95	4,0	1,99	10,1
	Maximum	0,81	2,0	1,08	4,0	2,49	11,1
max. stress_deformation DILA							

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].