

FLAT

Hidden fastener for boards

Metal perforated profile



FIELD OF USE

Fixing of deck cladding to
timber or metal sub-structures

For outdoor use
(Service class 1-2-3)

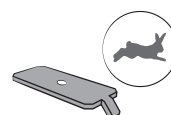
INVISIBLE

Completely hidden, it ensures
an aesthetically pleasing result



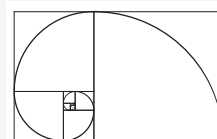
FAST INSTALLATION

Simple and fast assembly thanks to the
single-screw fixing-system and the integrated
spacer-tab for precise spacing



GEOMETRY

Installation independent from the position
of the groove cut. The ribbed surface provides
high mechanical strength.



DURABLE

When combined with the spacer profile under
the board, it contributes to the deck durability





AESTHETICS

Hidden fastener, for pleasing aesthetics. The spacer tab allows precise spacing, stable over time. The black colored version reduces the visual impact of the connection



STRENGTH

The ribbed surface ensures high mechanical strength

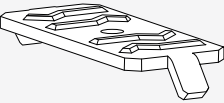


VERSATILITY

Suitable for boards with varying thickness, it can be assembled independently from the groove-cut height

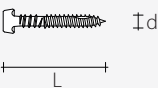
CODES AND DIMENSIONS

FLAT



code	material	size [mm]	pcs/box
FLT6427N	black alluminum	64 x 27 x 4	200

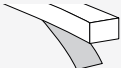
KKT N



code	material / color	d x L [mm]	insert	pcs/box
KKTN540 *	T ■	5 x 40	TX20	100
KKTN550	T ■	5 x 50	TX20	100
KKTN560	T ■	5 x 60	TX20	100

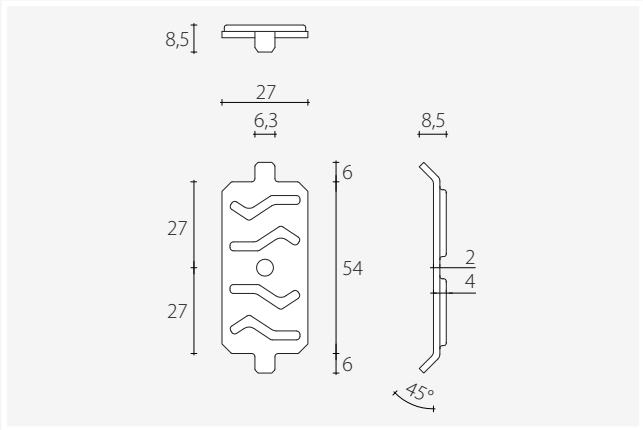
T= Galvanized and varnished carbon steel
* full-threaded screw

ADDITIONAL PRODUCTS

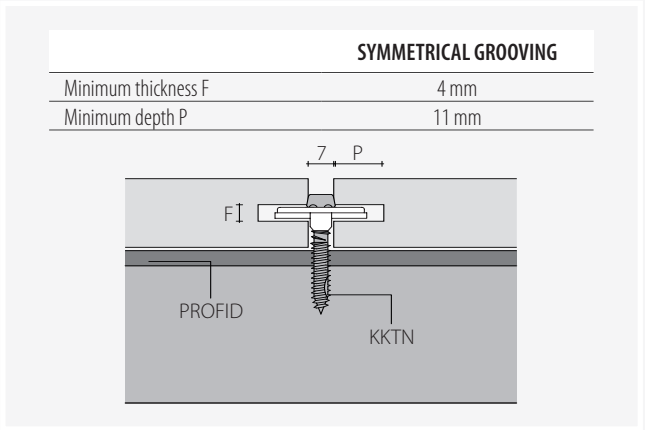
code	description		material / color	size [mm]	pcs/box
FUGN	spacing-covering profile		TPE ■	6-7	100 m
FUGM	spacing-covering profile		TPE ■	6-7	100 m
FE010366	under-board spacer profile		EPDM	8 x 8 x 10 m	50 m

GEOMETRY

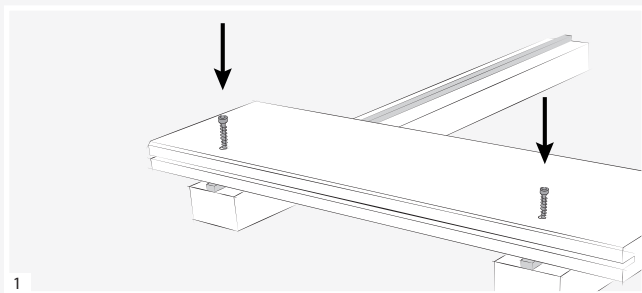
TECHNICAL GUIDELINES



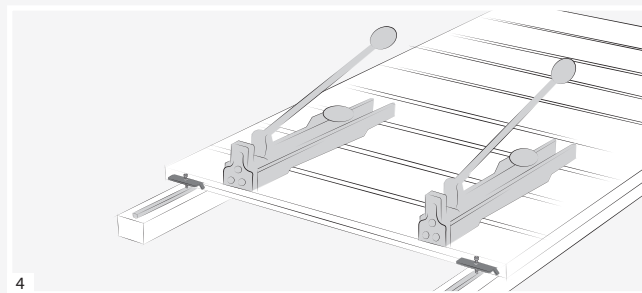
GROOVING GEOMETRY



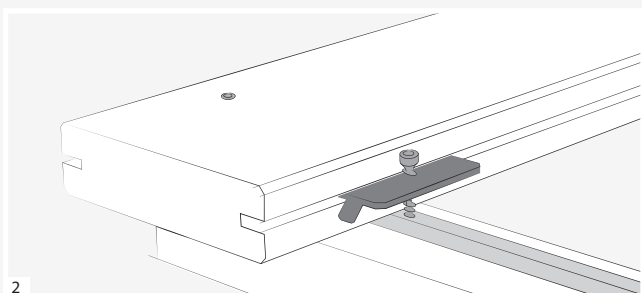
ASSEMBLY



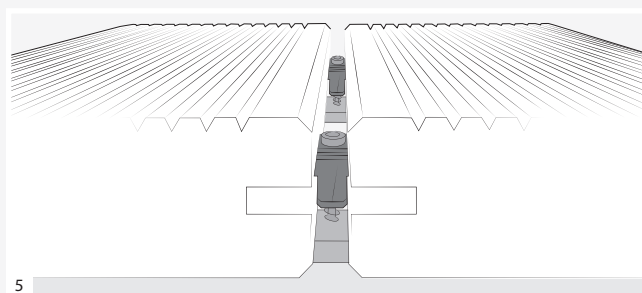
Position the PROFID spacer at the joist centerline. First board: fix it with suitable screws, left visible or hidden thanks to specific accessories.



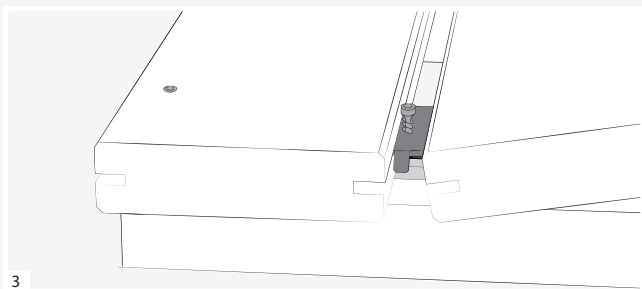
Tighten the two boards through the CRAB clamp until the board gap is 7 mm (see chapter 1 of the catalogue „Tools for wooden constructions“, p. 26).



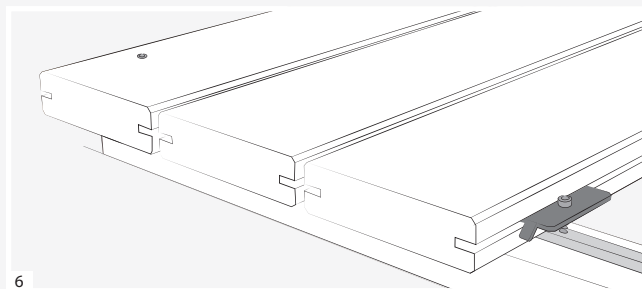
Insert the Flat fastener into the groove cut so that the spacer tab adheres to the board.



Fix the fastener to the joist underneath by using the KKTN screw.



Position the next board by inserting it into the Flat fastener.



Repeat the operations for the remaining boards. Last board: repeat step 1.

CALCULATION EXAMPLE

$1\text{ m}^2 / \text{joist spacing} / \text{board width with gap included} = \text{pcs. a m}^2$

joist spacing (i) = 0.60 m

board width (L) = 140 mm

spacing width (f) = 7 mm

$1\text{ m}^2 / 0.6 \text{ m} / (0.14 \text{ m} + 0.007 \text{ m}) = 12 \text{ pcs. / m}^2$

