

## SPOJNI ELEMENT ZA TERASE

### ČETIRI VERZIJE

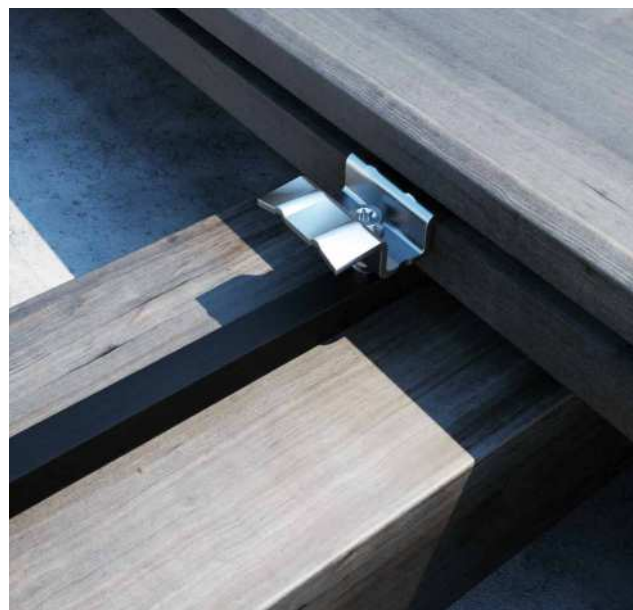
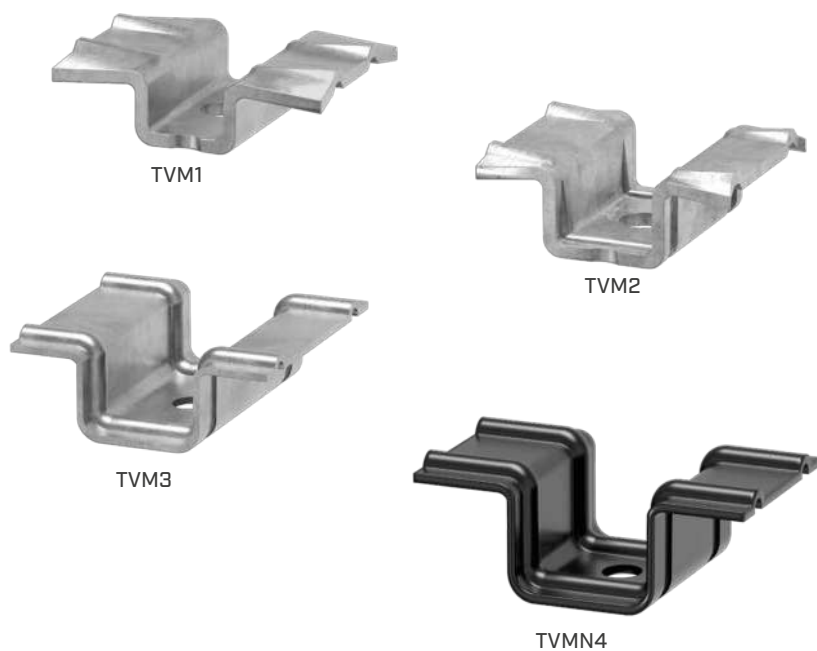
Različite dimenzije za primjenu s daskama različite debljine i fugama varijabilne širine. Crna verzija za potpuno nevidljivu izvedbu.

### TRAJNOST

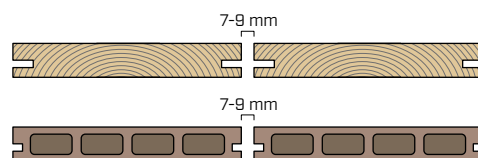
Nehrđajući čelik osigurava povećanu otpornost na koroziju. Mikroventilacija između ploča doprinosi trajnosti drvenih elemenata.

### ASIMETRIČNO GLODANJE

Idealno za daske s asimetričnim užljebljenjem u izvedbi žensko-žensko. Površinska rebra spojnog vijka osiguravaju optimalnu stabilnost.



### DASKE



### PRIČVRŠČIVANJE NA



drvo



WPC



aluminij

### MATERIJAL



austenitni nehrđajući čelik A2 | AISI304 (CRC II)



nehrđajući čelik s organskom oblogom u boji



### PODRUČJA PRIMJENE

Uporaba vani u agresivnim okolinama. Pričvršćenje dasaka od drva ili WPC-a na podstrukturu od drva, WPC-a ili aluminija.

## KODOVI I DIMENZIJE

### TVM A2 | AISI304

A2  
AISI 304

| KOD         | materijal    | P x B x s<br>[mm] | kom. |
|-------------|--------------|-------------------|------|
| <b>TVM1</b> | A2   AISI304 | 22,5 x 31 x 2,4   | 500  |
| <b>TVM2</b> | A2   AISI304 | 22,5 x 28 x 2,4   | 500  |
| <b>TVM3</b> | A2   AISI304 | 30 x 29,4 x 2,4   | 500  |

#### KKT X

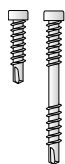
pričvršćenje na drvo i WPC za TVM A2 | AISI304



| d <sub>1</sub><br>[mm] | KOD              | L<br>[mm] | kom. |
|------------------------|------------------|-----------|------|
| <b>5<br/>TX 20</b>     | <b>KKTX520A4</b> | 20        | 200  |
|                        | <b>KKTX525A4</b> | 25        | 200  |
|                        | <b>KKTX530A4</b> | 30        | 200  |
|                        | <b>KKTX540A4</b> | 40        | 100  |

#### KKA AISI410

pričvršćenje na aluminij za TVM A2 | AISI304



| d <sub>1</sub><br>[mm] | KOD           | L<br>[mm] | kom. |
|------------------------|---------------|-----------|------|
| <b>4<br/>TX 20</b>     | <b>KKA420</b> | 20        | 200  |
|                        | <b>KKA540</b> | 40        | 100  |
| <b>5<br/>TX 25</b>     | <b>KKA550</b> | 50        | 100  |

### TVM COLOR

A2  
AISI 304

| KOD          | materijal                       | P x B x s<br>[mm] | kom. |
|--------------|---------------------------------|-------------------|------|
| <b>TVMN4</b> | A2   AISI304<br>s crnom oblogom | 23 x 36 x 2,4     | 200  |

#### KKT COLOR

pričvršćenje na drvo i WPC za TVM COLOR



| d <sub>1</sub><br>[mm] | KOD            | L<br>[mm] | kom. |
|------------------------|----------------|-----------|------|
| <b>5<br/>TX 20</b>     | <b>KKTN540</b> | 40        | 200  |

#### KKA COLOR

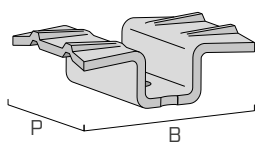
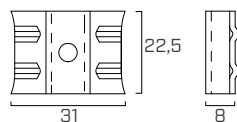
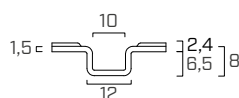
pričvršćenje na aluminij za TVM COLOR



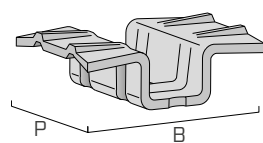
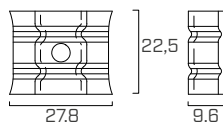
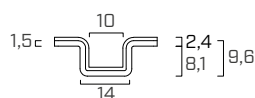
| d <sub>1</sub><br>[mm] | KOD            | L<br>[mm] | kom. |
|------------------------|----------------|-----------|------|
| <b>4<br/>TX 20</b>     | <b>KKAN420</b> | 20        | 200  |
|                        | <b>KKAN430</b> | 30        | 200  |
|                        | <b>KKAN440</b> | 40        | 200  |

## GEOMETRIJA

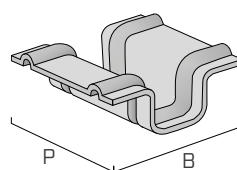
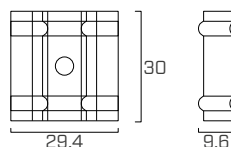
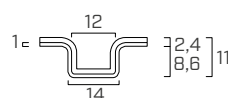
### TVM1



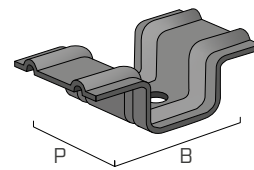
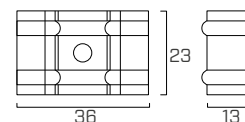
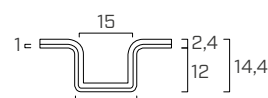
### TVM2



### TVM3



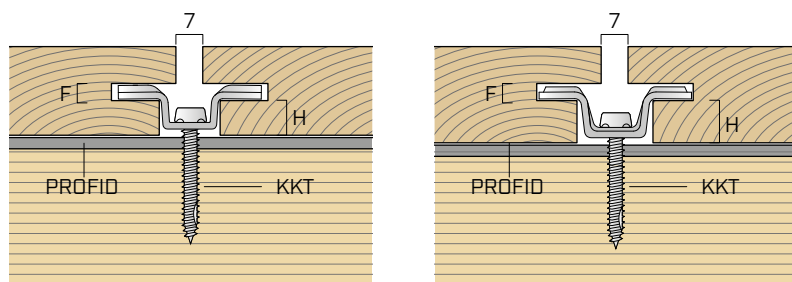
### TVMN4



### KKA

Mogućnost pričvršćenja i na aluminijske profile pomoću vijka KKA AISI410 ili KKA COLOR.

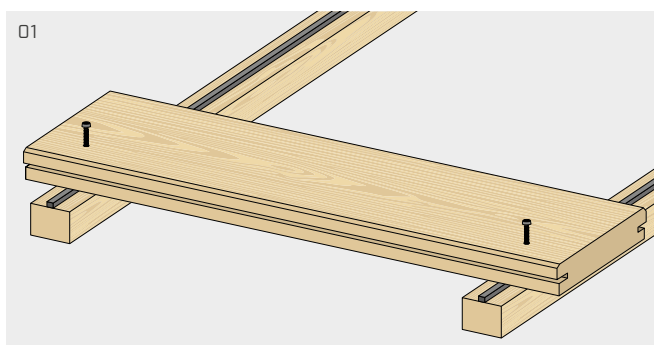
## GEOMETRIJA UŽLJEBLJENJA



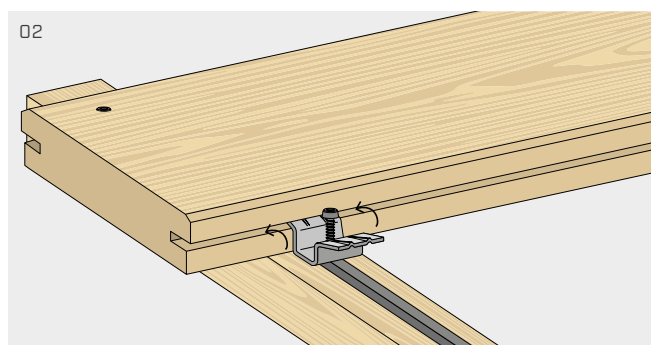
### ASIMETRIČNO UŽLJEBLJENJE

|                              |   |       |
|------------------------------|---|-------|
| Min. debljina                | F | 3 mm  |
| Min. preporučena visina TVM1 | H | 7 mm  |
| Min. preporučena visina TVM2 | H | 9 mm  |
| Min. preporučena visina TVM3 | H | 10 mm |
| Min. preporučena visina TVMN | H | 13 mm |

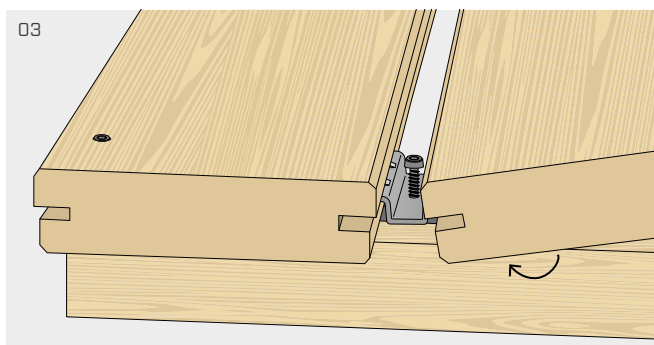
## MONTAŽA



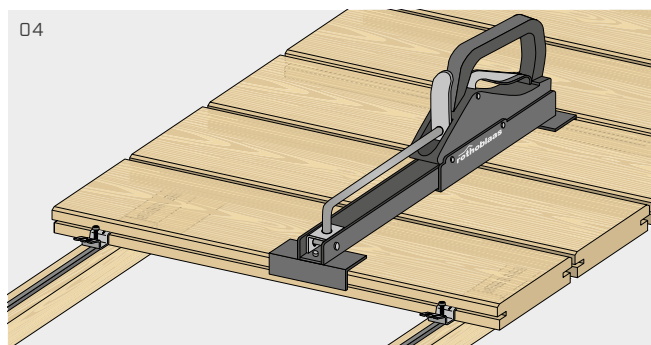
01  
Profil za razmak PROFID postavite po središnjoj liniji letve. Prva daska: učvrstite odgovarajućim vijcima koji će ostati vidljivi.



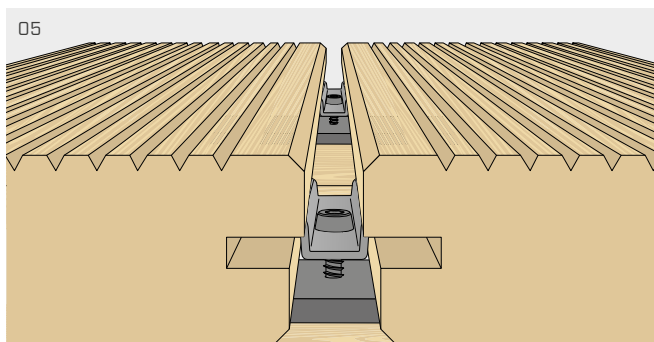
02  
U užljebljenje postavite spojnik TVM tako da bočni jezičak naliježe na izglodani dio daske.



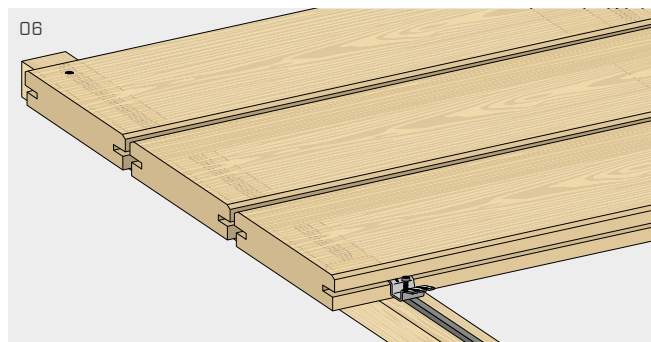
03  
Postavite sljedeću dasku tako da je umetnete u spojnik TVM.



04  
Dvije daske blokirajte stegačem CRAB MINI ili CRAB MAXI na način da dobijete fugu između dasaka od 7 mm (vidi proizvod str. 395).

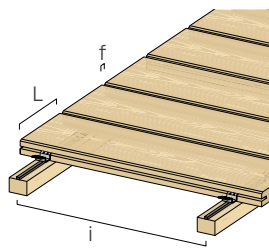


05  
Spojnik vijkom KKT učvrstite na donju ploču.



06  
Ponovite radnje za sljedeće ploče.  
Posljednja ploča: ponovite radnju 01.

## PRIMJER PRORAČUNA



### FORMULA ZA PROCJENU UČINKA PO m<sup>2</sup>

$$1 \text{ m}^2 / i / (L + f) = \text{kom. TVM po m}^2$$

i = razmak između letava

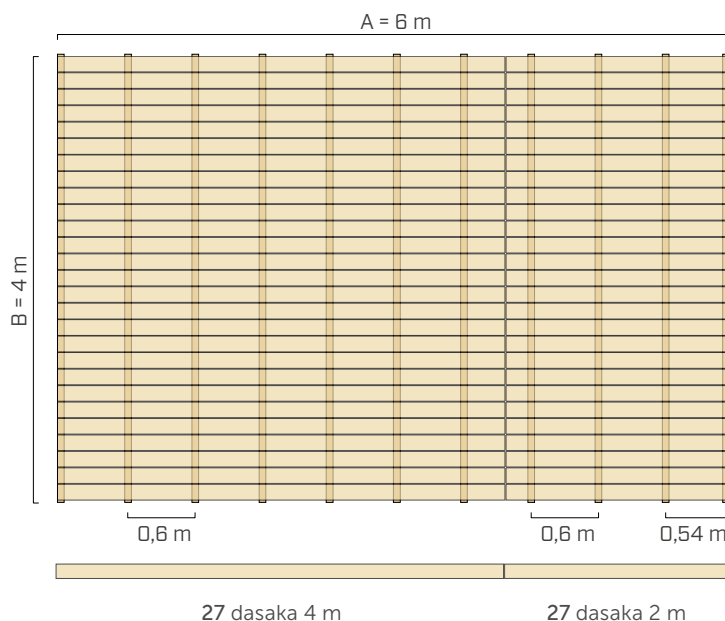
L = širina ploča

f = širina fuge



## PRAKTIČAN PRIMJER

### BROJ DASAKA I LETAVA



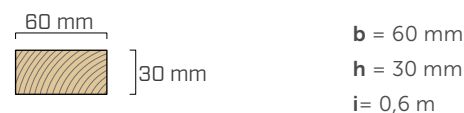
### POVRŠINA TERASE

$$S = A \cdot B = 6 \text{ m} \cdot 4 \text{ m} = 24 \text{ m}^2$$

### DASKE



### LETVE



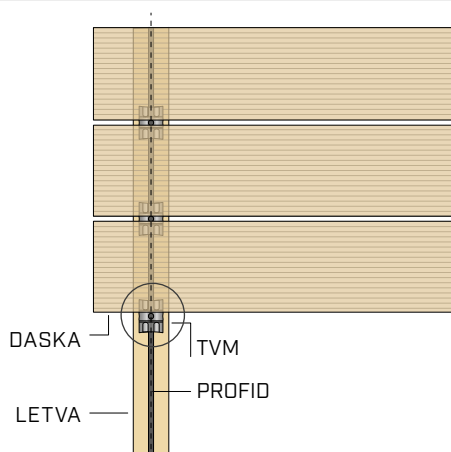
$$\begin{aligned} \text{br. dasaka} &= [B / (L + f)] \\ &= [4 / (0,14 + 0,007)] = 27 \text{ dasaka} \end{aligned}$$

$$\text{br. dasaka 4 m} = 27 \text{ dasaka}$$

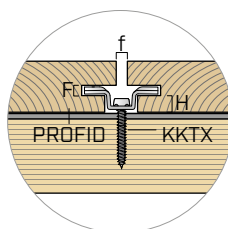
$$\text{br. dasaka 2 m} = 27 \text{ dasaka}$$

$$\text{br. letava} = [A / i] + 1 = (6 / 0,6) + 1 = 11 \text{ letava}$$

### ODABIR VIJKA



|                      |                          |        |       |
|----------------------|--------------------------|--------|-------|
| Debljina glave vijka | S <sub>glava vijka</sub> | 2,8 mm |       |
| Debljina glodanja    | F                        | 4 mm   |       |
| Visina glodanja      | H                        | 10 mm  |       |
| Debljina PROFID      | S <sub>PROFID</sub>      | 8 mm   |       |
| Duljina prodiranje   | L <sub>pen</sub>         | 4 · d  | 20 mm |



### MINIMALNA DULJINA VIJKA

$$\begin{aligned} &= S_{\text{glava vijka}} + H + S_{\text{PROFID}} + L_{\text{pen}} \\ &= 2,8 + 10 + 8 + 20 = 40,8 \text{ mm} \end{aligned}$$

### ODABRANI VIJAK

KKTX540A4

### IZRAČUN BROJA TVM

#### KOLIČINA ZA FORMULU UČINKA

$$I = S / i / (L + f) = \text{kom. TVM}$$

$$I = 24 \text{ m}^2 / 0,6 \text{ m} / (0,14 \text{ m} + 0,007 \text{ m}) = 272 \text{ kom. TVM}$$

koefficient ponovno iskorištene sirovine = 1,05

$$I = 272 \cdot 1,05 = 286 \text{ kom. TVM}$$

$$I = 286 \text{ kom. TVM}$$

**BROJ TVM = 286 kom.**

#### KOLIČINA PO BROJU SJECIŠTA

$$I = \text{br. dasaka s TVM} \cdot \text{br. letava} = \text{kom. TVM}$$

$$\text{br. dasaka s TVM} = (\text{br. dasaka} - 1) = (27 - 1) = 26 \text{ dasaka}$$

$$\text{br. letava} = (A / i) + 1 = (6 / 0,6) + 1 = 11 \text{ letava}$$

$$\text{br. sjecišta} = I = 26 \cdot 11 = 286 \text{ kom. TVM}$$

$$I = 286 \text{ kom. TVM}$$

**BROJ VIJAKA = br. TVM = 286 kom. KKTX540A4**