

# modula® Summary of types



modula® Type 1



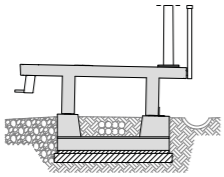
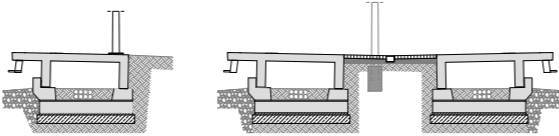
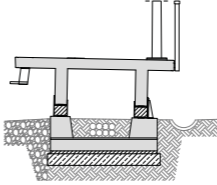
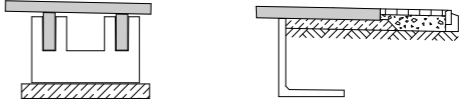
modula® Type 1b



modula® Type shift



modula® Type light

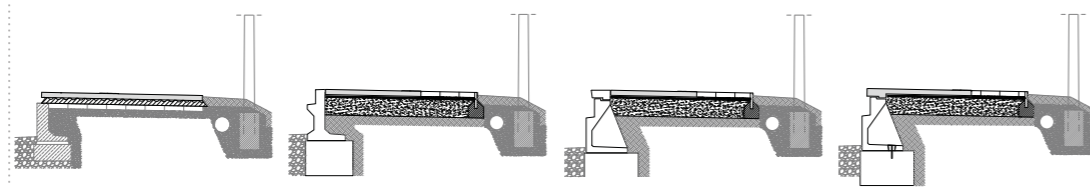
System sketch				
Application	New construction of freestanding outdoor platforms	New construction of backfillable outdoor platforms or middle platforms with conventional backfilling	Subsequent change to the level where passengers embark	Existing raising and new construction of freestanding and backfilled railway platforms with a drained construction method
Nominal heights	38, 55, 76, 96 cm above top of rail (New construction)	38, 55, 76, 96 cm above top of rail	From 55 to 76 cm above top of rail and v.v., from 76 to 96 cm above top of rail and v.v.	55, 76, 96 cm above top of rail
Description of system	Reinforced concrete TT slab	Reinforced concrete TT slab	Reinforced TT slab is increased in height or lowered by means of a concrete-lined steel toe or concrete pre-fabricated spacer (distances!)	Reinforced flat slab 17 cm (up to 30 cm) and bar/foundation system up to 7.50 m in length
Dimensions / Weight	Length up to 9.60 m infinitely variable, width up to 3.50 m infinitely variable, ideal weight of element 12.0 t (max. 30 t), structural analysis for the type is available for various standard applications	Length up to 9.60 m infinitely variable, width up to 3.50 m infinitely variable, ideal weight of element 12.0 t (max. 30 t), structural analysis for the type is available for various standard applications	see modula® Type 1	Element weight max. 4,0 t for installation with two-way- excavator 17 cm slab on a bar/ foundation construction 18 cm slab in the case of a 3.50 m max. foundation distance, 22 cm slab in the case of a 4.80 m max. foundation distance, 26 cm slab in the case of a 5.40 m max. foundation distance, 30 cm slab in the case of a 6.00 m max. foundation distance
Foundation	Flat: Precast part foundation on in-situ blinding concrete Deep: Bored pile or driving girder with a top bar	Flat: Precast part foundation on in-situ load distribution slab Dimensions depending on the ground) Deep: Bored pile or driving girder with a top bar	see modula® Type 1	Flat: Bar/Foundation system on in-situ blinding concrete, In-situ cross foundations or in-situ capping. Deep: Ram pile foundation
Inner earthing		Continuous $\varnothing$ 16 mm earthing iron with 2 welded connection bushings for connecting with earthing connectors	see modula® Type 1	Continuous $\varnothing$ 16 mm earthing iron with 2 welded connection bushings for connecting with earthing connectors
Construction suitable for	Installation in short possession periods, dam sites, poorly supporting substrate, overall this results in economic advantages in contrast to conventional construction method (construction costs, construction period)	Installation in short possession periods, dam sites, poorly supporting substrate, overall this results in economic advantages in contrast to conventional construction method (construction costs, construction period)	Creation of a changed barrier-free level where passengers embark, e.g. as a result of the use of new rail cars	Installation with a two-way excavator or wheeled excavator in short possession periods and poorly accessible installation sites

# modula® Summary of types



## modula® flex

### System sketch



### Application

Raising of platforms and repairing of platform surfaces

### Nominal heights

on 38 cm above top of rail,  
55 on 76 cm above top of rail,  
from 76 to 96 cm above top of rail 55, 76, 96 cm above top of rail with platform edge 51, 21 and 42 (supplement variants)

### Description of system

Flat plate reinforced with high-performance fiberglass-reinforced cover. Cuts are possible, as there is no reinforcement corrosion.

### Dimensions / Weight

Component thickness 8 cm,  
Element length along the platform 1.34 m,  
Element widths 1.20 m, 2.50 m, 3.00 m (Standard), further element widths are available upon request

### Foundation

Stable, intact platform edge; frost-proof, stable substrate, laying concrete C25/30, XF1, XC2, WF with layer thicknesses of approx. 5 – 13 cm

### Inner earthing

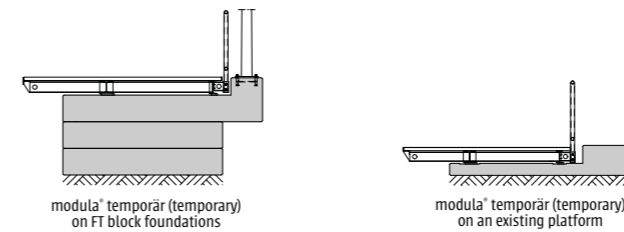
No earthing is necessary

### Construction suitable for

Installation with a two-way excavator. Retrofitting of guidance strips for the blind and hatching of the hazard zone. Reduction of work in the hazard zone. Projection of 10 – 15 cm over load bearing supports (e.g. platform edge) is possible.



## modula® temporär (temporary)



Time-limited makeshift platform (side or island platform) on a rental basis. Suitable for new construction or working on existing platforms.

38, 55, 76 cm above top of rail and all intermediate levels following technical clarification

Steel construction in a modular design with a simple plug-in system for fixing railings and installing lighting poles with a footplate

Steel elements with a long grate 5.00 m and standard widths of 2.50 m and 3.00 m (special widths are available on request)

On stackable precast block foundations (Standard) or with special foundations on load-bearing, existing platform. Foundation on frost protected layer  $\geq 80$  cm with 0/45 mm, permissible measured ground pressure  $\geq 200$  kN / m<sup>2</sup>

Steel elements are earthed to each other, including railings and lighting masts

Very quick installation (140 m in approx. 5 – 6 layers), environmentally friendly alternative to wooden platforms with a covering, as it is up to 100 % reusable.