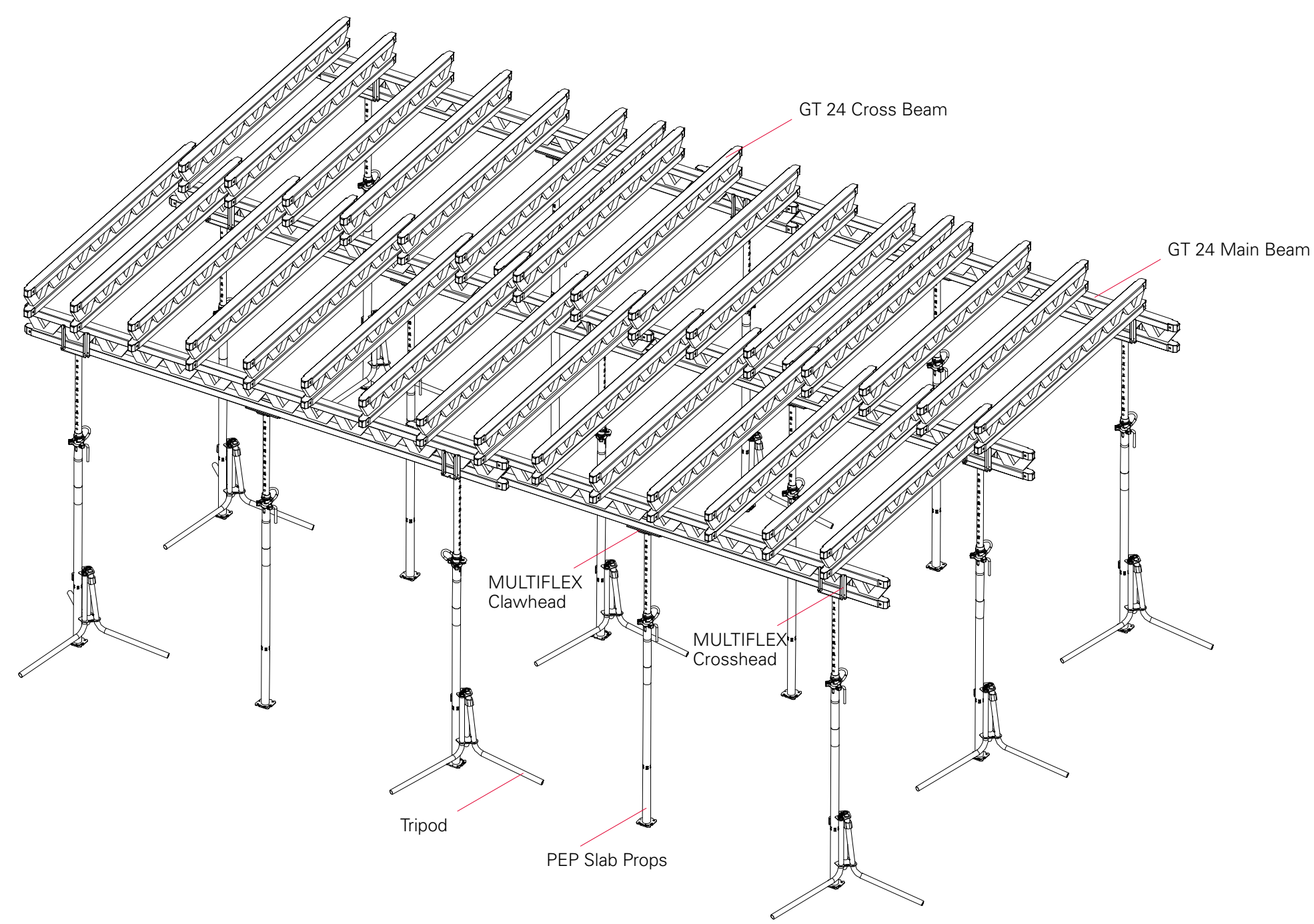




# MULTIFLEX

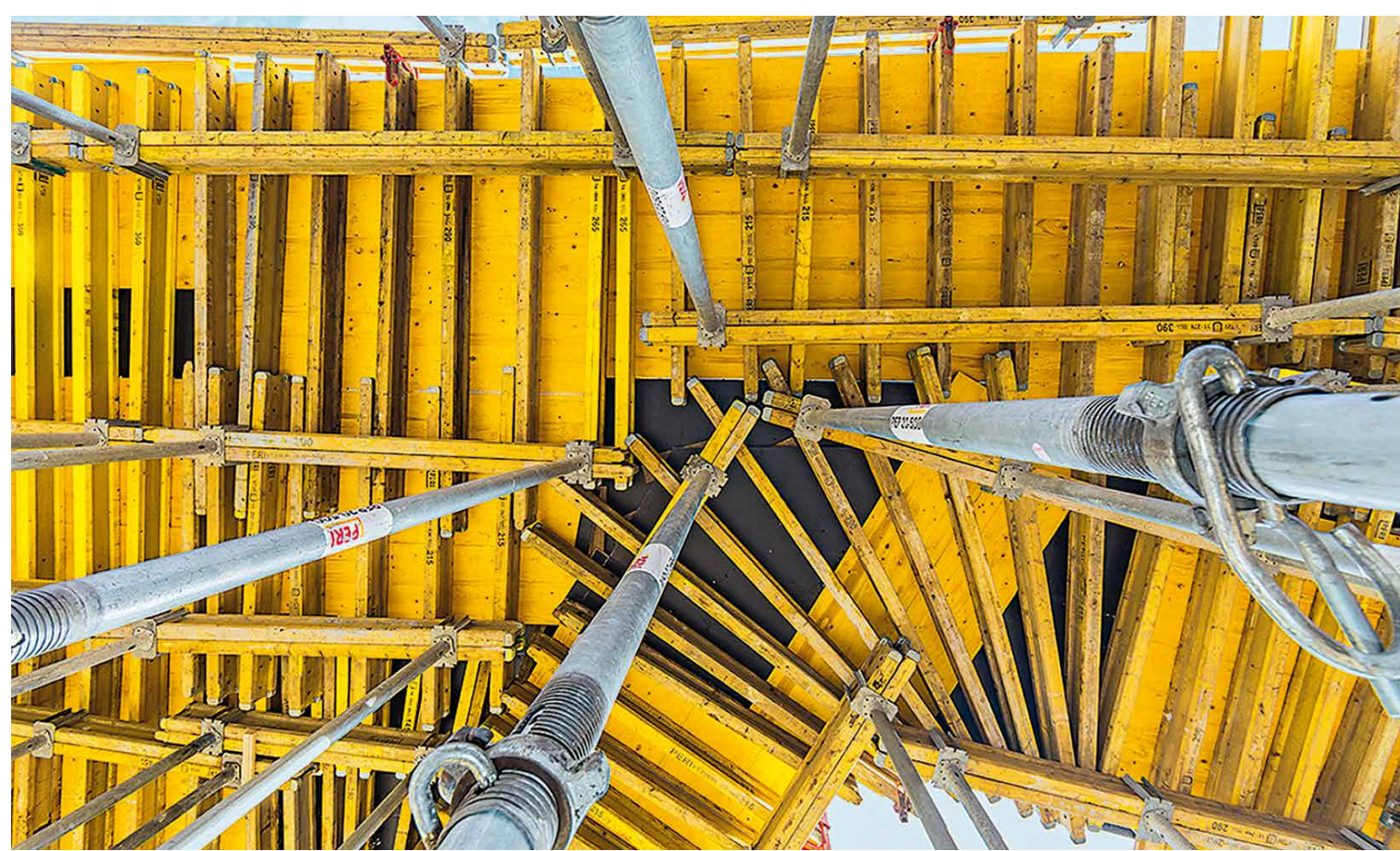
The flexible girder slab formwork for all ground plans and slab thicknesses up to 1.00 m



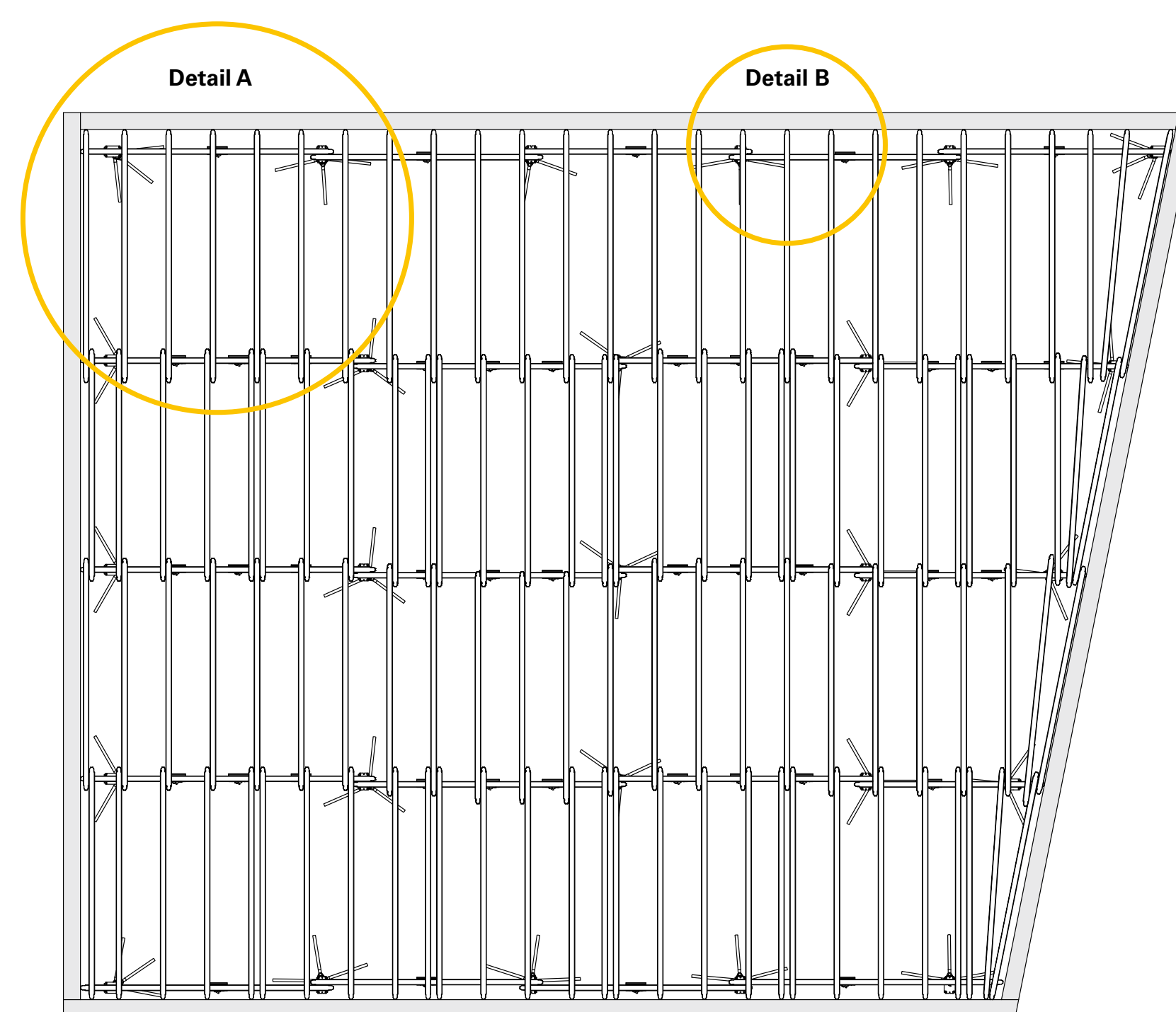
## Important notes

- The slab props must be erected plumb.
  - The horizontal fixed position of the MULTIFLEX in the formlining level for carrying the horizontal forces must be assured.
  - Use suitable pallets to ensure safe transportation of MULTIFLEX components.
  - More information is available in the MULTIFLEX Instructions for Assembly and Use.
- Tips for ensuring smooth construction progress**
- Spray formwork on all sides with PERI Bio Clean before every use.
  - Spray-wash rear of formwork with water immediately after concreting. This reduces the amount of cleaning work.

■ This poster presents only part of the intended use of the MULTIFLEX System. The poster may only be used in connection with the corresponding Instructions for Assembly and Use along with the Instructions for Use for this system.  
 ■ All current laws, guidelines and safety regulations must be observed in those countries where our products are used. If no country-specific regulations are available, it is recommended to proceed according to German rules and regulations.

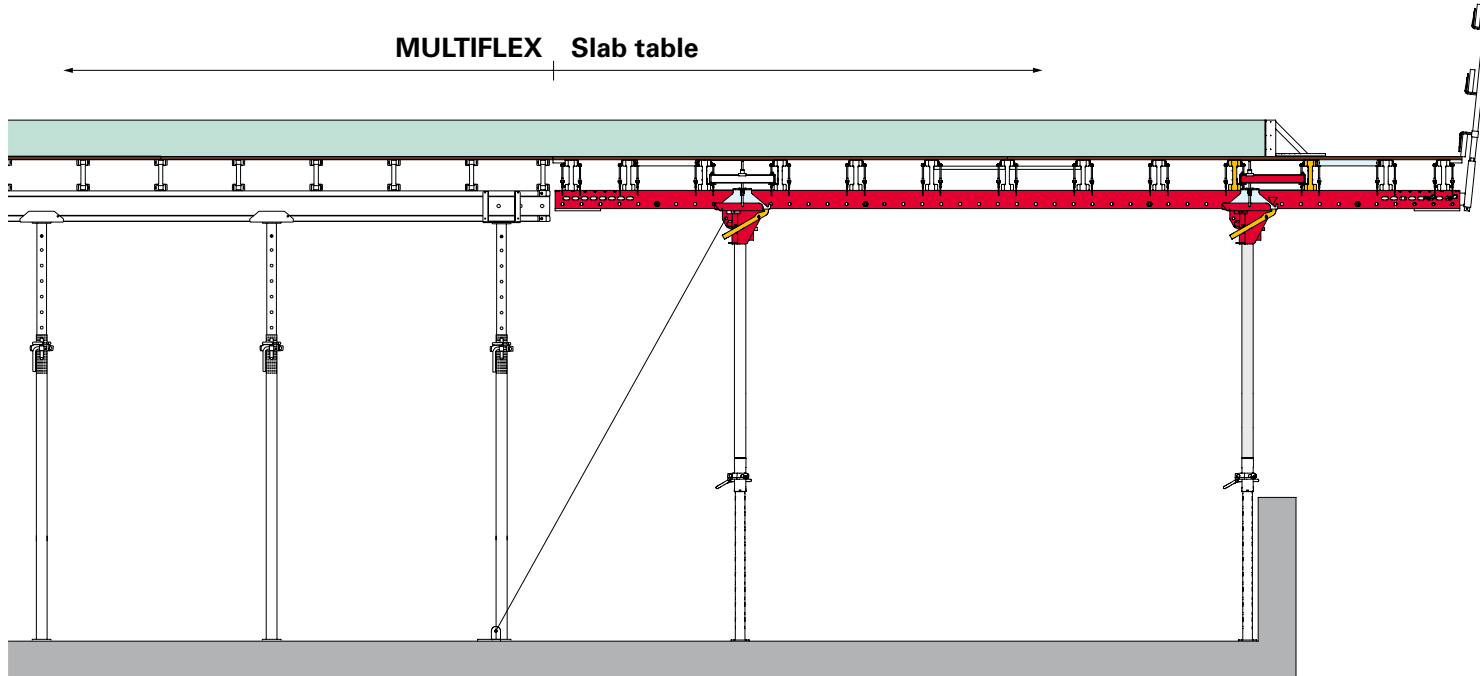


### Example of a ground plan

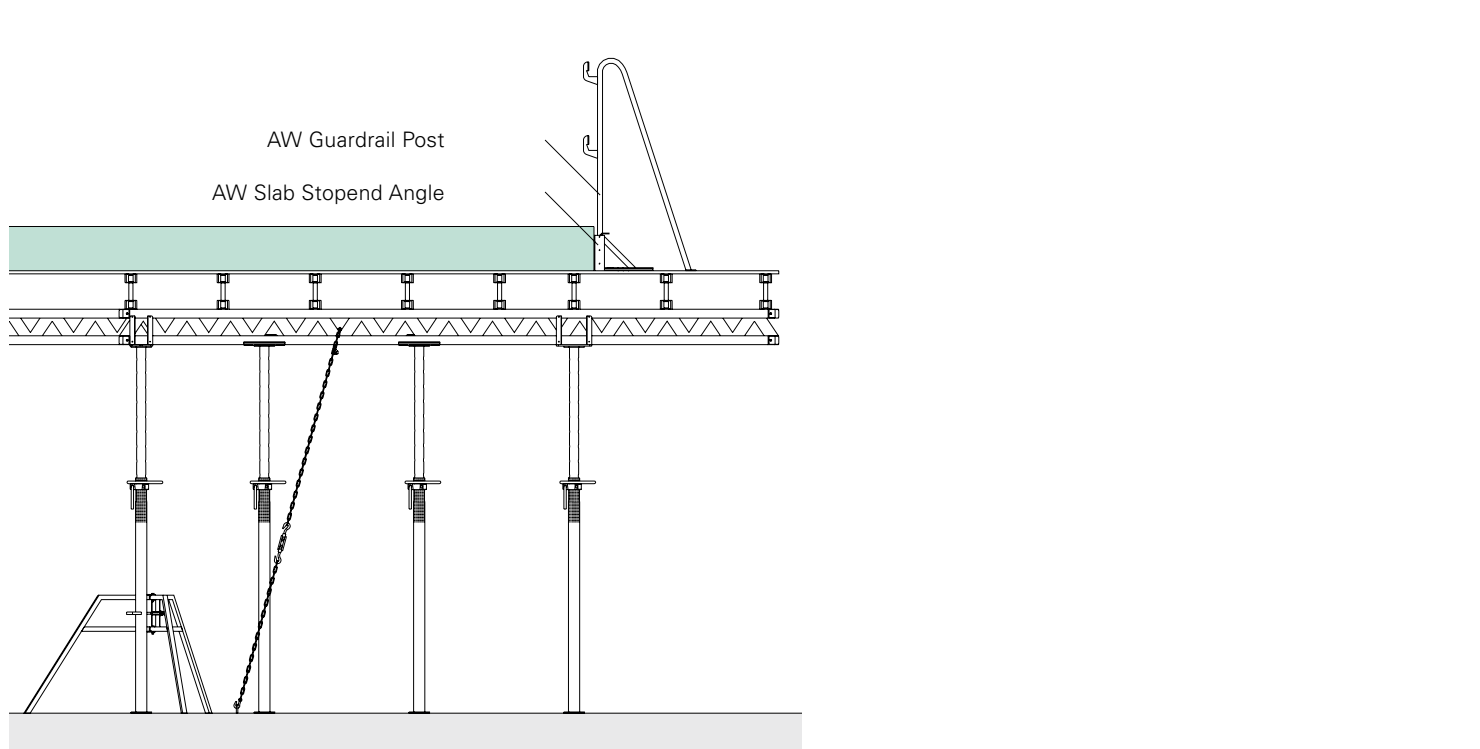


### Guardrails

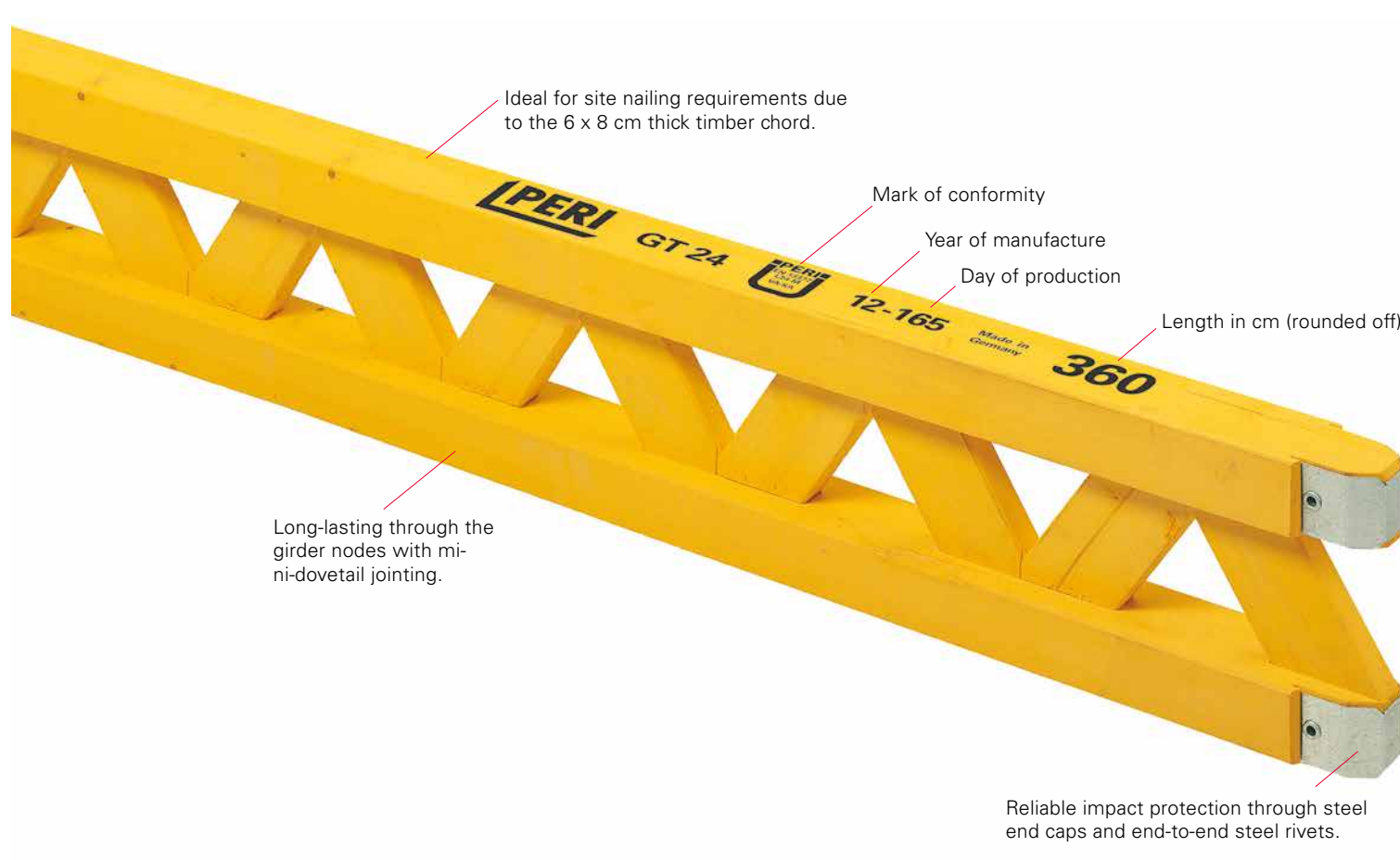
Guardrails on the slab edge with PERI slab tables



Guardrails on the casting segment with PERI AW Slab Stopped Angle and Guardrail Posts.



### GT 24 Formwork Girder



**GT 24 Girder**  
The girder fulfills all requirements of DIN EN 13377 Class L24 (Declaration of Conformity). In order to simplify handling, the most common GT 24 Girders are colour-coded for length.

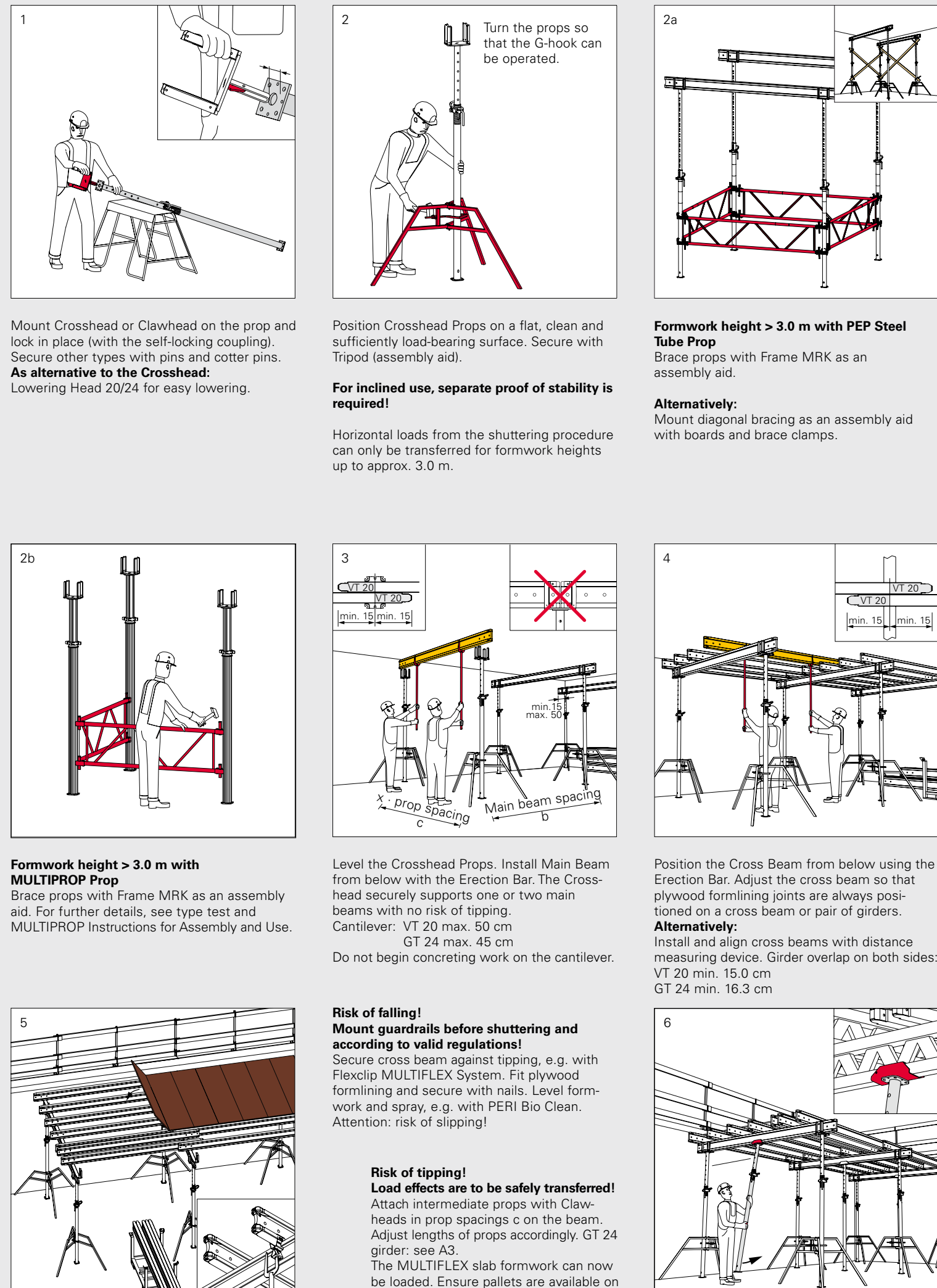
Weight kg	Item no.	
918	5300	075100
1214	7100	075120
1510	8900	075160
1806	10 600	075180
2102	12 400	075210
2398	14 200	075240
2694	15 900	075270
2990	17 700	075300
3286	19 500	075330
3582	21 200	075360
3878	23 000	075390
4174	24 800	075420
4470	26 500	075450
4766	28 300	075480
5062	30 100	075510
5358	31 900	075540
5654	33 600	075570
5950	35 400	075600

**Technical data**  
perm. Q = 13.0 kN  
perm. M = 7.0 kNm  
I<sub>y</sub> = 8064 cm<sup>4</sup>

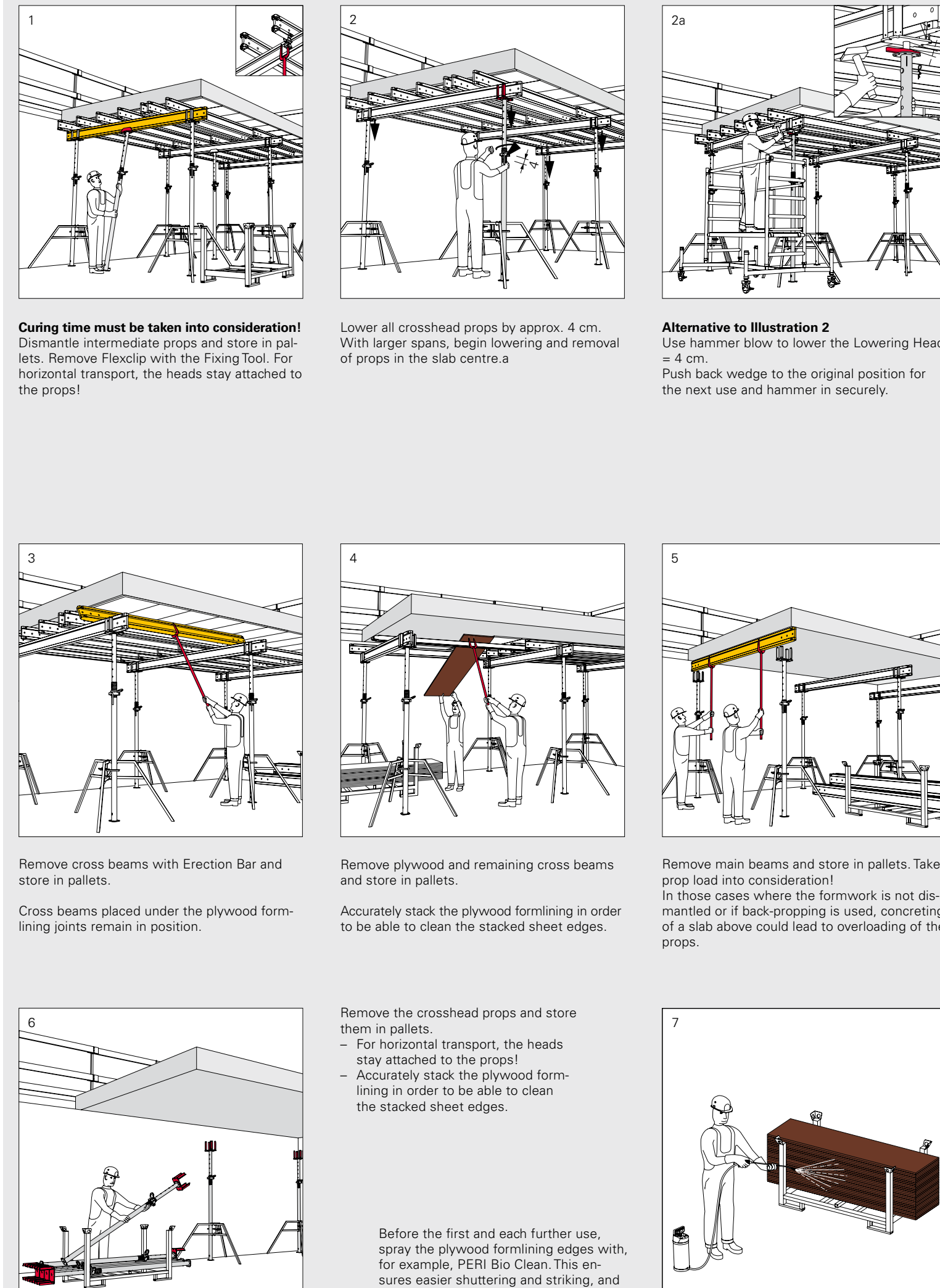
### PEP Ergo Slab Props



### Shuttering



### Striking



### Stopend formwork

Slab Stopped Angle AW, Alu  
Item no. 065070

Permissible spacings [m] for Slab Stopped Angle AW.

Sub-structure	Height of side formwork h [m]			
	0.20	0.25	0.30	0.35
0.20	0.327	0.327	0.327	0.327
0.25	1.19	2.75	2.25	1.88
0.30	1.07	2.45	1.84	1.63
0.35	0.92	1.89	1.41	1.28
0.40	0.73	1.69	1.26	1.14

### PERI Slab Stopped Angle made of plastic

Easy assembly, time-saving, good handling.

Permissible width of influence [m] for Slab Stopped Bar 105

Slab thickness d [m]	0.20	0.30	0.40	0.50	Note
with side protection (handrail boards or Side Mesh Barrier PMB)	1.20	1.12	0.80	0.66	①
	1.30	1.24	1.14	0.99	②
	1.58	1.53	1.34	1.11	③
	1.77	1.71	1.51	1.27	④
without side protection	1.75	1.15	0.80	0.66	⑤
	2.22	1.56	1.12	0.89	⑥
	2.90	2.07	1.45	1.21	⑦
	3.00	3.00	2.00	1.45	⑧
	3.00	3.00	2.00	1.45	⑨

### Permissible prop load [kN] according to the type test

Eaten span [m]	PEP Ergo B-300		PEP Ergo B-350		PEP Ergo D-105		PEP Ergo D-200		PEP Ergo D-300		PEP Ergo D-400		PEP Ergo D-500		PEP Ergo A-300		PEP Ergo E-400	
	Clear	Over	Clear	Over	Clear	Over	Clear	Over	Clear	Over	Clear	Over	Clear	Over	Clear	Over	Clear	Over
0.90	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8
1.10	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8
1.30	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8
1.50	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8
1.70	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8
1.90	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8
2.10	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8
2.30	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8
2.50	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8
2.70	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8
2.90	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8
3.10	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8
3.30	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8
3.50	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8
3.70	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8
3.90	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8
4.10	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8
4.30	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8
4.50	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8
4.70	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8
4.90	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8
5.10	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8	39.8	30.8

### Design example

Depending on the slab thickness and selected secondary beam spacing, and depending on the formlining, this results in the permissible main beam and prop spacings.

**MULTIFLEX configurator**  
In the meantime, smartphones and tablets are integral features of jobsite working operations. With the MULTIFLEX configurator, the user can quickly and easily optimize the girder/prop spacings and props for MULTIFLEX Girder Slab Formwork.

**Details:**

- Clear room height H (m)
- Slab thickness d (m)
- Secondary girder spacing e (m)
- Prop spacing c (m)
- Prop type selection

The PDF output format for the documentation, direct printing or sending via e-mail is provided by the application. The customer's building specifications are integrated via a note in this data sheet.

**PERI MULTIFLEX Girder Slab Formwork Configurator**

System Selection: Selection of slab formwork configuration type: **GT 24 / GT 24**

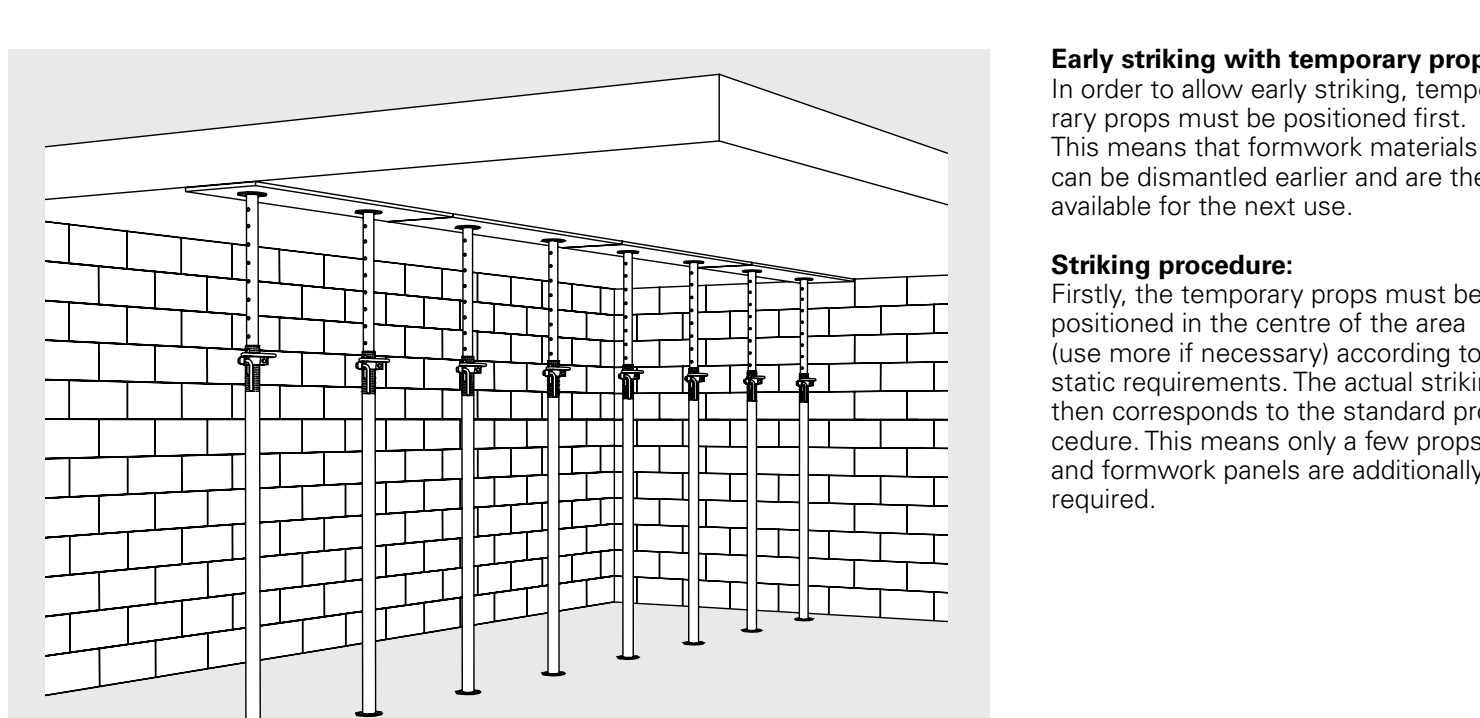
Boundary Conditions: 1- Clearance height H (m): **2.80**; 2- Slab thickness d (m): **0.30**; 3- Secondary girder spacing e (m): **0.83**; 4- Main girder spacing e (m): **3.30**; 5- Prop spacing c (m): **0.80**; 6- Cantilever length a (m): **0.45**

Results: Utilization of the secondary girders: **87.5%**; Utilization of the main girders: **79.7%**; Utilization of the props: **88.2%**

Construction Description: 1- Resulting prop extension length: 2.30; 2- Resulting total load: 6.80; 3- Max. main girder spacing: 3.44; 4- Max. prop spacing: 1.19

Important Requirements for the Intended Use: Please pay attention: 1. The illustrations and icons are understood to be system representations only. The slab formwork must be all-side adequately counteracted against overturning. 2. The design concept with an ultimate safety factor corresponding to DIN 4108 has been used. 3. A structural design for class B1 striking in accordance with DIN EN 12812:2008-12 Chapter 4.3.1 (p. 1.00) has been assumed. 4. Loads have been calculated in accordance with DIN EN 12812:2008-12 Chapter 6. The reinforced fresh concrete slabs weigh 25 kN/m³. 5. A 3-ply plywood with a thickness of 21 mm has been assumed. 6. The plywood, secondary and main girder deflections have been limited to 0.003. 7. The plywood has been assumed as min. 30mm. 8. The secondary girders have been assumed as single span. 9. The main girders have to be supported at the centre of the girder nodes. You can find detailed information within the Technical Information chapter of the Settings and Information menu.

### Early striking



\*For the Nipples, a use of the inner tube at the bottom is only possible in connection with PERI Slab Tables or SKYDECK (bolted head).