

The DOMINO Alignment Coupler DRS fasteners, aligns and tightens in a single operation.

DOMINO

The lightweight panel formwork for walls and foundations

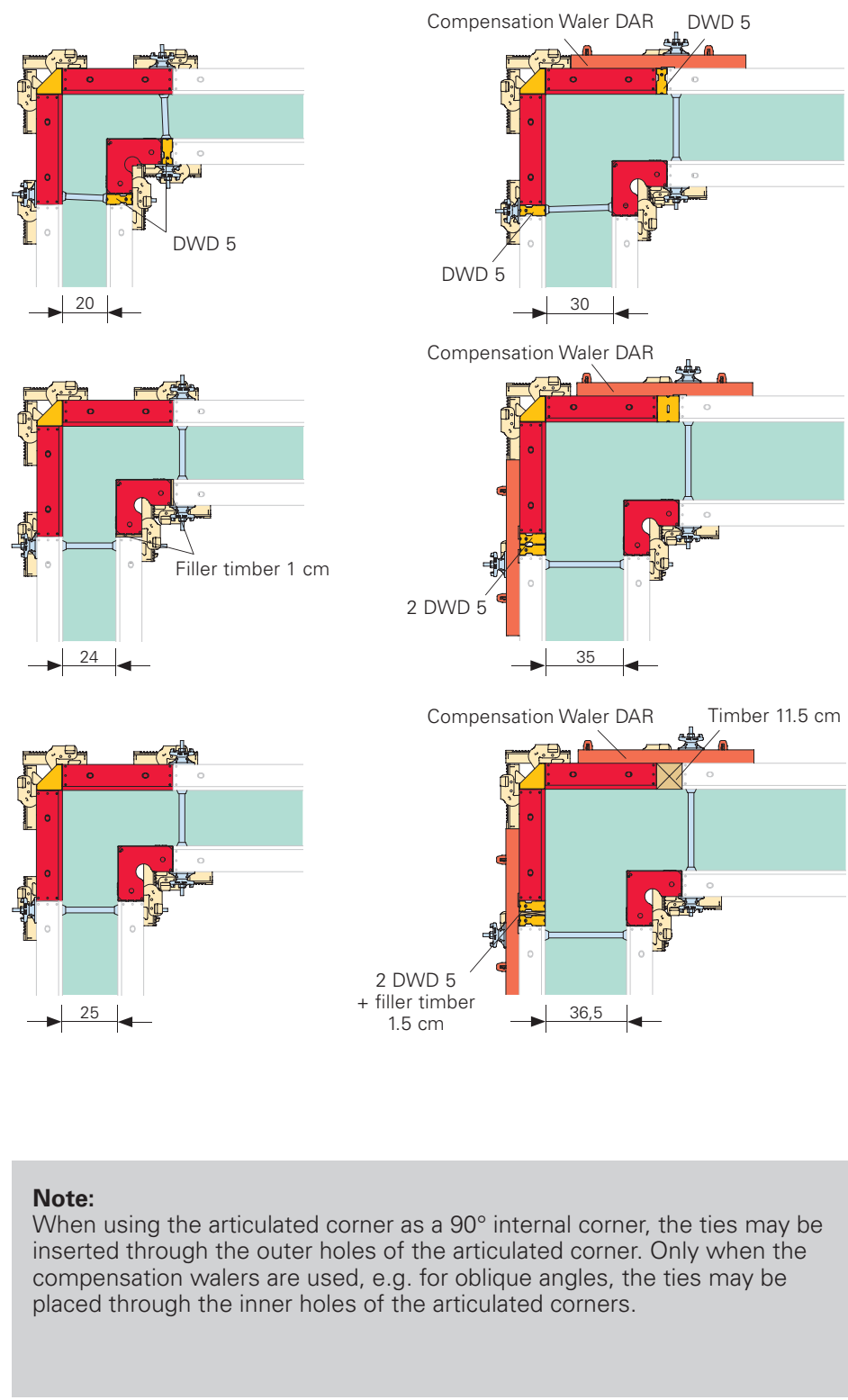
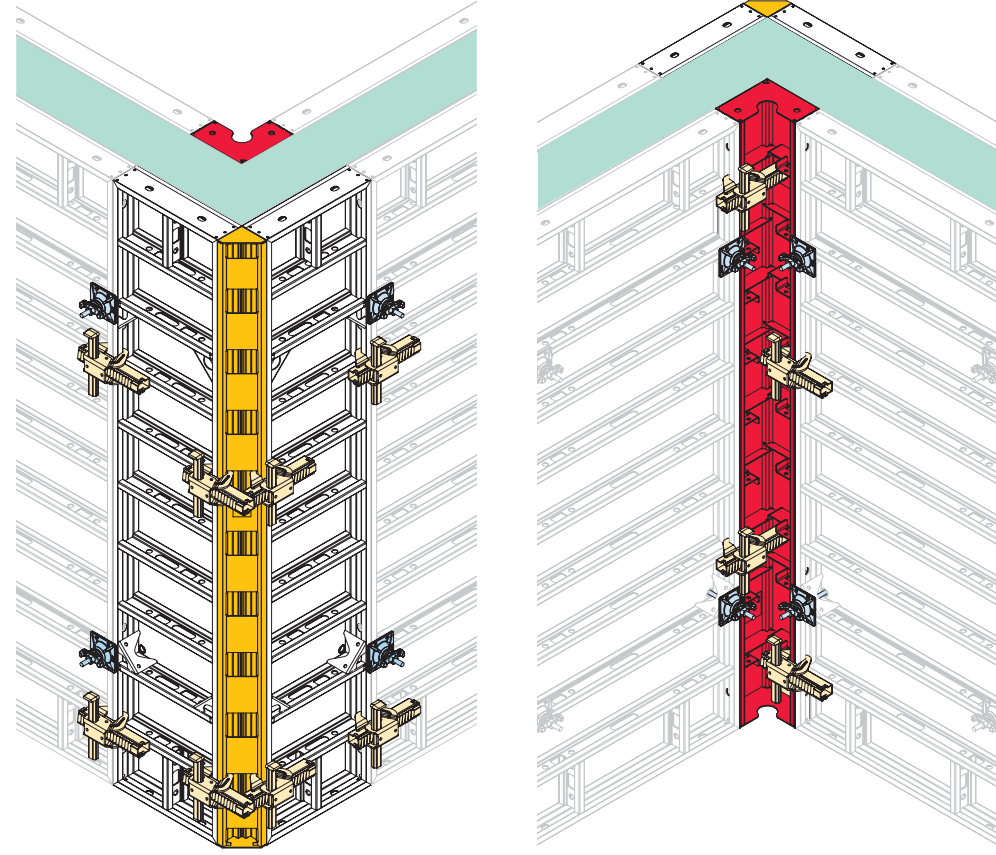
3. Corners

The 50s panel and the DAW external corner angle form the external corner. Together with the DWD 5 compensator, wall thicknesses from 15 cm to 35 cm in 5 cm increments are possible.

Basic rules for corners:
External formwork: Panel D 50
Internal formwork: Inside Steel Corner DISE
 Adjustment to wall thickness with DWD 5 compensator or timber.

Two DOMINO DRS alignment couplers are needed at each side of the external corner for concreting heights of 2.50 m.

Two DRS alignment couplers are needed at the internal corner and the stand-off panel joint.

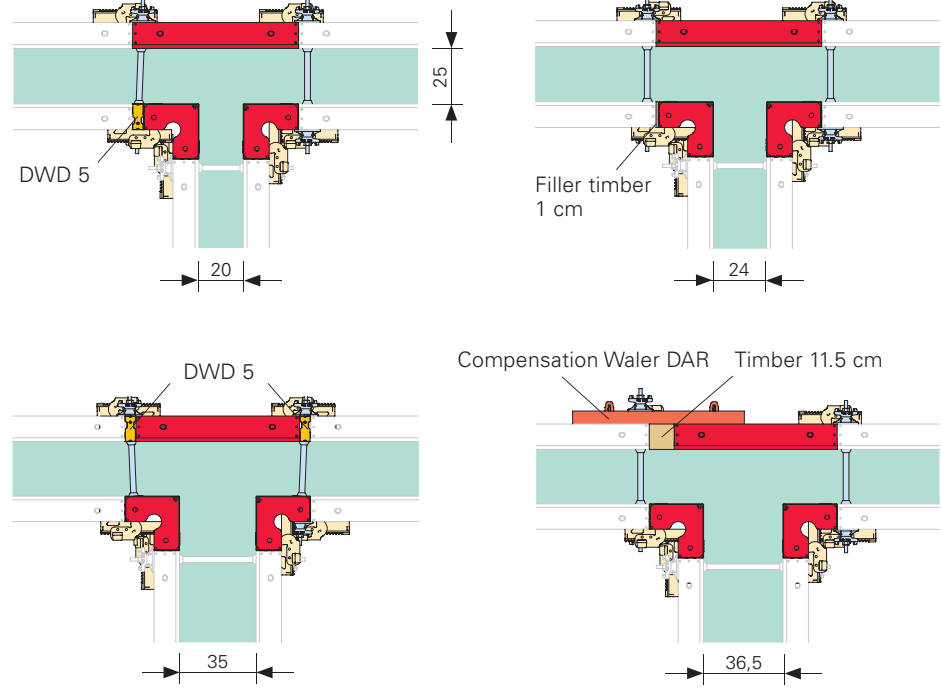
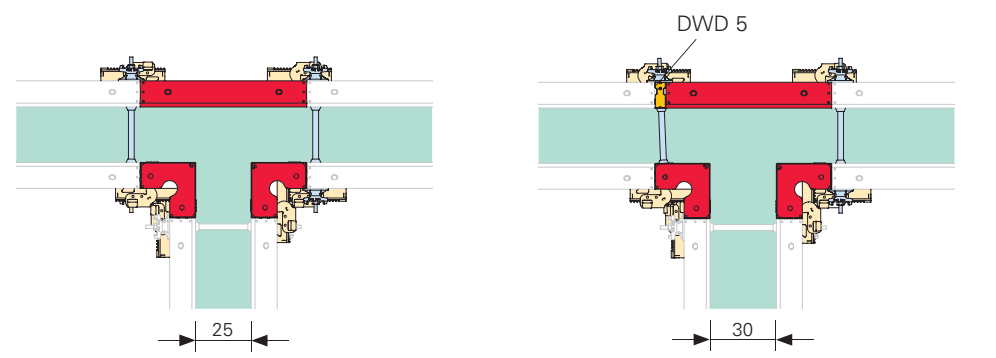


Note: When using the articulated corner as a 90° internal corner, the ties may be inserted through the outer holes of the articulated corner. Only when the compensation waters are used, e.g. for oblique angles, the ties may be placed through the inner holes of the articulated corners.

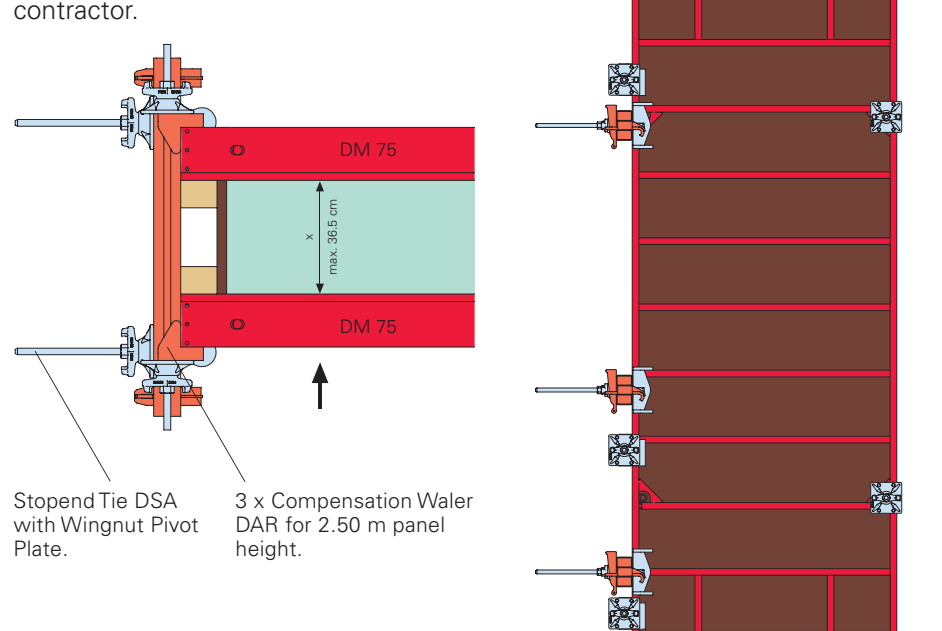
6. T-Junctions

The 75s panel and the articulated corner form the T-junction. Together with the DWD 5 compensator, wall thicknesses from 15 cm to 35 cm in 5 cm increments are possible.

Basic rules for T-junctions:
External formwork: Panel D 75
Internal formwork: Inside Steel Corner DISE
 Adjustment to wall thickness with DWD 5 compensator or timber.

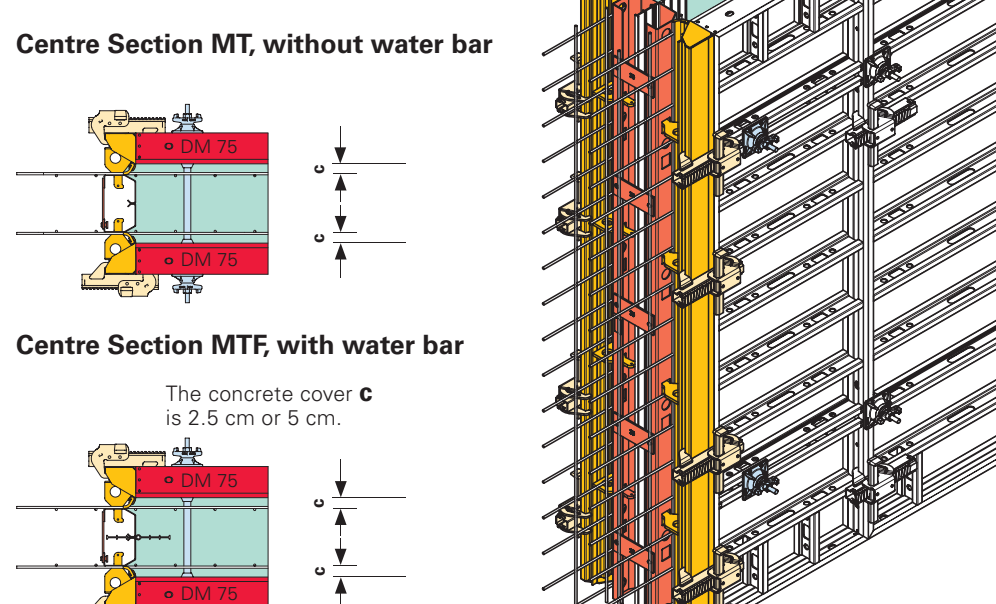


With conventional stopend formwork



7. Stopend Formwork

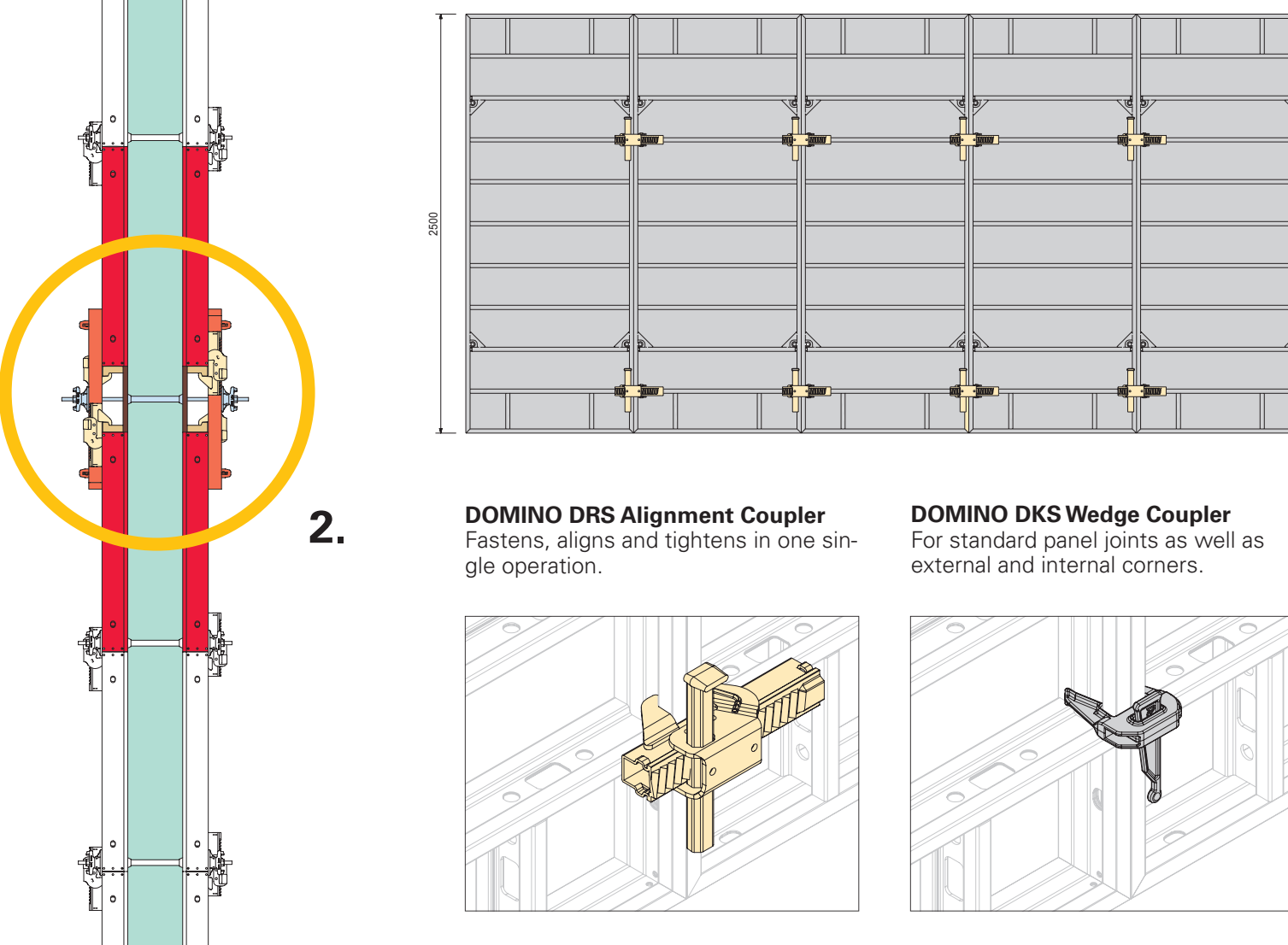
With DOMINO Stopend Panel MT/MTF for continuous reinforcement, with or without waterbars.



DOMINO panels

| Panel Type | 100 | 75 | 50 | 35 | 25 | DM 75 Multi-Purpose Panel | DISE Internal Steel Corner | DGE Articulated Corner | DAW Outside Corner Angle | DWD 5 Wall Thickness Compensator | DWD 10 Wall Thickness Compensator | DPA Filler Support |
|--------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------------|----------------------------|--------------------------------|--------------------------------|----------------------------------|-----------------------------------|--------------------------|
| 250 Steel | | | | | | | | | | | | |
| m ² Item no. Weight | 2.50 06020 877 kg | 1.88 06022 716 kg | 1.25 06025 554 kg | 0.875 12501 441 kg | 0.63 06026 317 kg | 1.88 06024 765 kg | 1.25 13242 66.0 kg | 1.25 06029 151 kg (aluminium) | 0.59 06028 151 kg (aluminium) | 0.13 06030 752 kg (aluminium) | 0.25 10286 118 kg (aluminium) | 0.08 06033 415 kg (wood) |
| 250 Aluminium | 2.50 06021 959 kg | 1.88 06023 475 kg | | | | 1.88 06022 52.2 kg | | | | | | |
| 150 Steel | | | | | | | | | | | | |
| m ² Item no. Weight | 1.50 12496 565 kg | 1.13 12450 461 kg | 0.75 12451 352 kg | 0.53 12452 257 kg | 0.38 12453 182 kg | 1.13 12458 55.1 kg | 0.75 13298 40.0 kg | 0.35 06046 151 kg (aluminium) | 0.08 12044 4.79 kg (aluminium) | 0.05 12457 2.48 kg (wood) | | |
| 125 Steel | | | | | | | | | | | | |
| m ² Item no. Weight | 1.25 06030 413 kg | 0.94 06041 367 kg | 0.63 06043 268 kg | 0.44 12548 224 kg | 0.31 06044 186 kg | 0.94 06042 43.7 kg | 0.63 12620 33.4 kg | 0.29 06048 151 kg (aluminium) | 0.06 06048 4.03 kg (aluminium) | 0.13 10164 6.84 kg (aluminium) | 0.04 06053 21.07 kg (wood) | |
| 125 Aluminium | 1.25 06030 31.0 kg | 0.94 06051 24.8 kg | | | | 0.94 06052 273 kg | | | | | | |
| 75 Steel | | | | | | | | | | | | |
| m ² Item no. Weight | 0.75 06030 32.4 kg | 0.56 06031 26.6 kg | 0.38 06033 19.3 kg | 0.26 12549 14.5 kg | 0.19 06034 12.1 kg | 0.56 06032 31.6 kg | 0.38 12624 20.5 kg | 0.37 06037 15.9 kg (aluminium) | 0.18 06038 3.5 kg (aluminium) | 0.04 06038 2.52 kg (aluminium) | | |

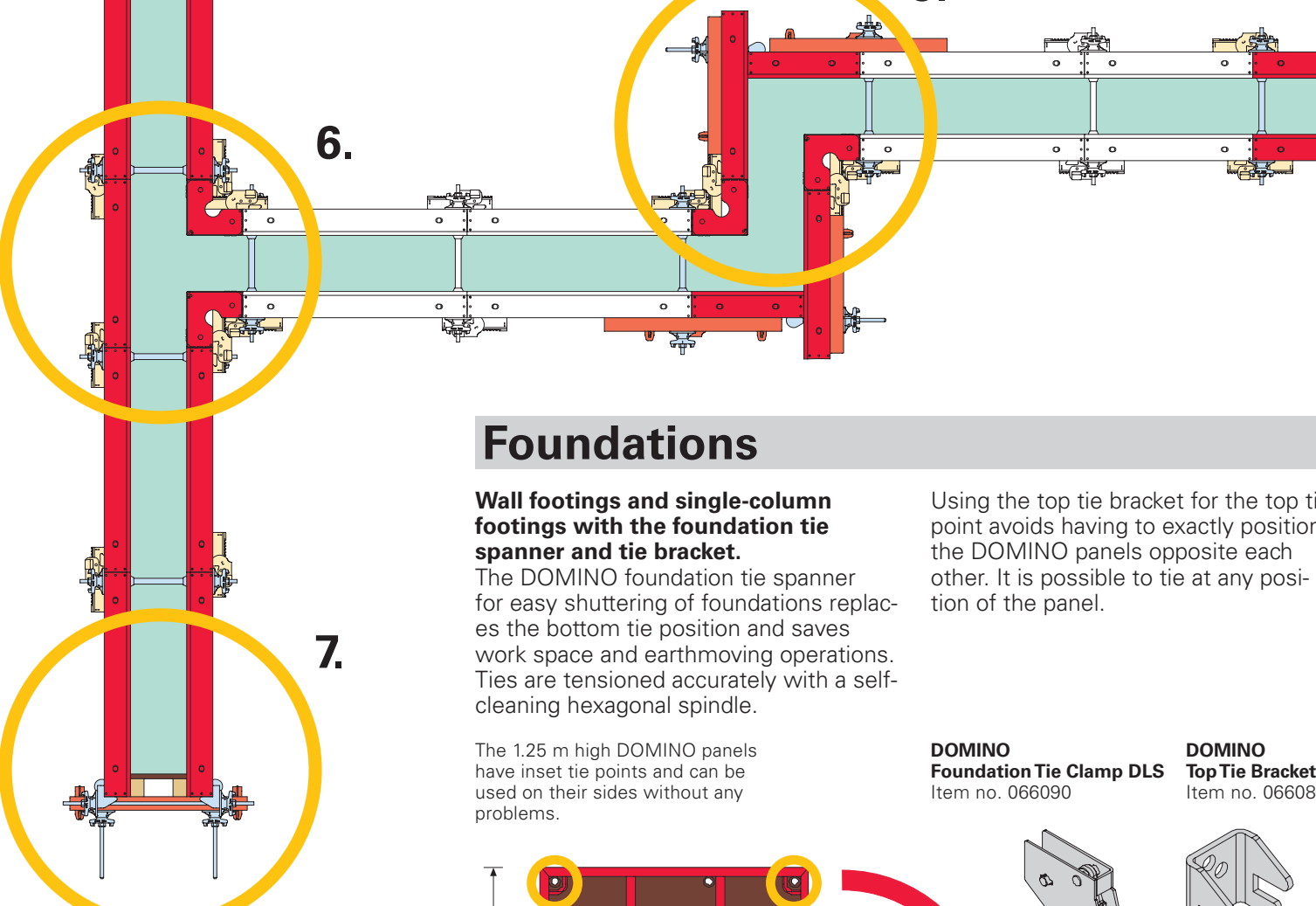
1. Panel Connections



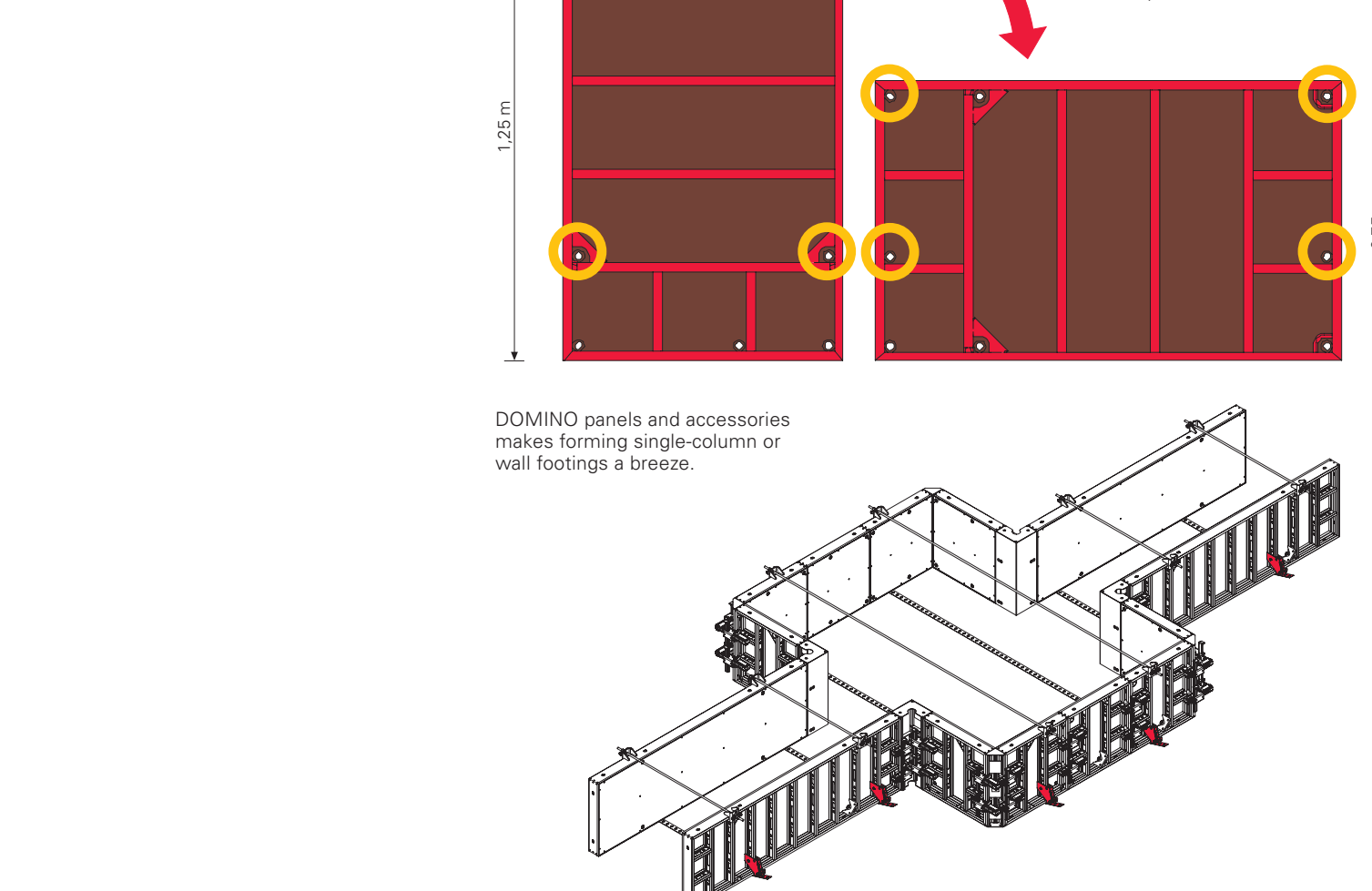
DOMINO DRS Alignment Coupler
Fasteners, aligns and tightens in one single operation.

DOMINO DKS Wedge Coupler
For standard panel joints as well as external and internal corners.

2. Longitudinal compensation



4. Oblique angles ≥ 75°



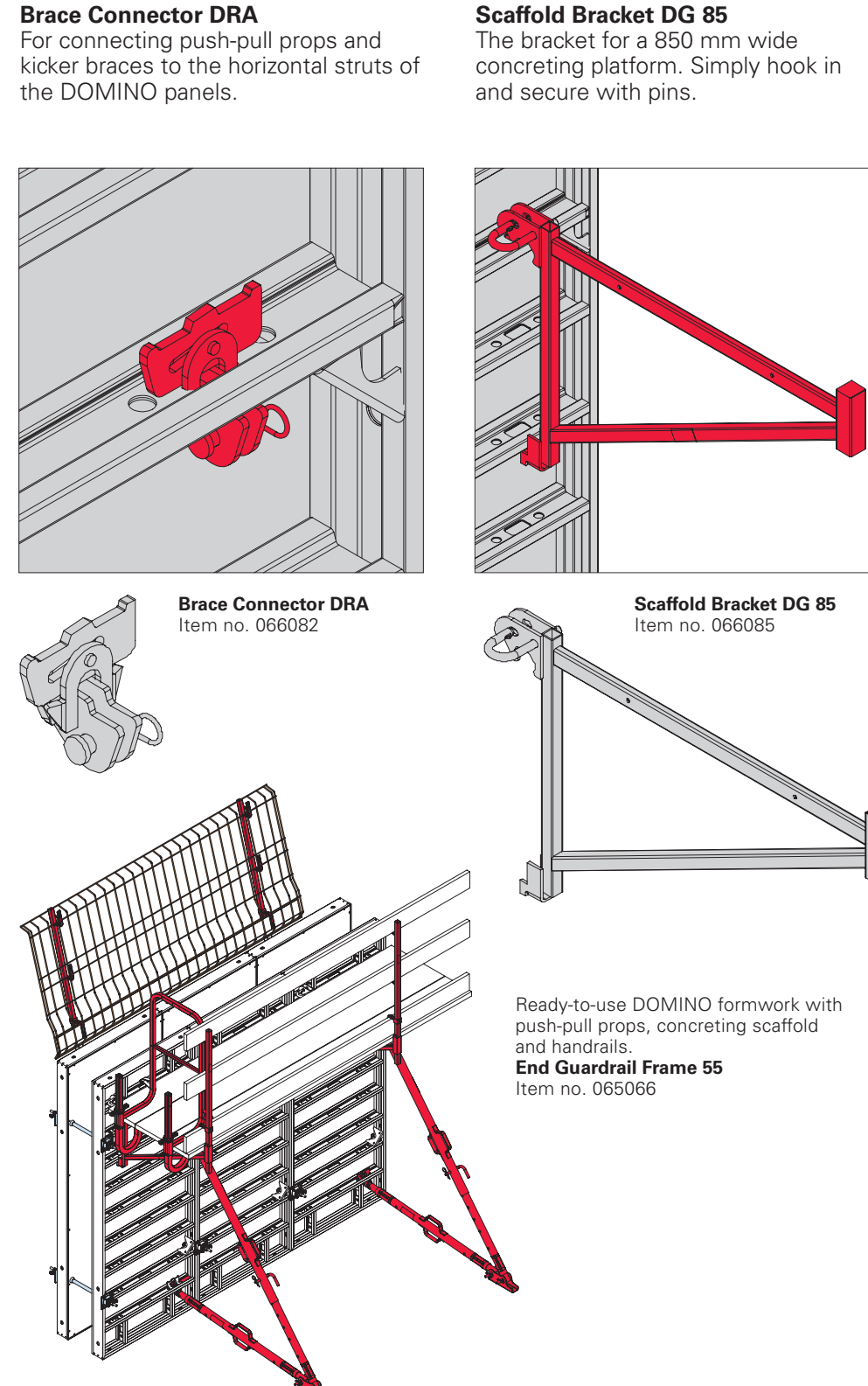
Push-Pull Props and Kicker Braces

Push-pull props and kicker braces serve to align the formwork and to transfer wind loads. To be arranged as shown in the following drawing and table. The first panel must always be braced with 2 push-pull props.

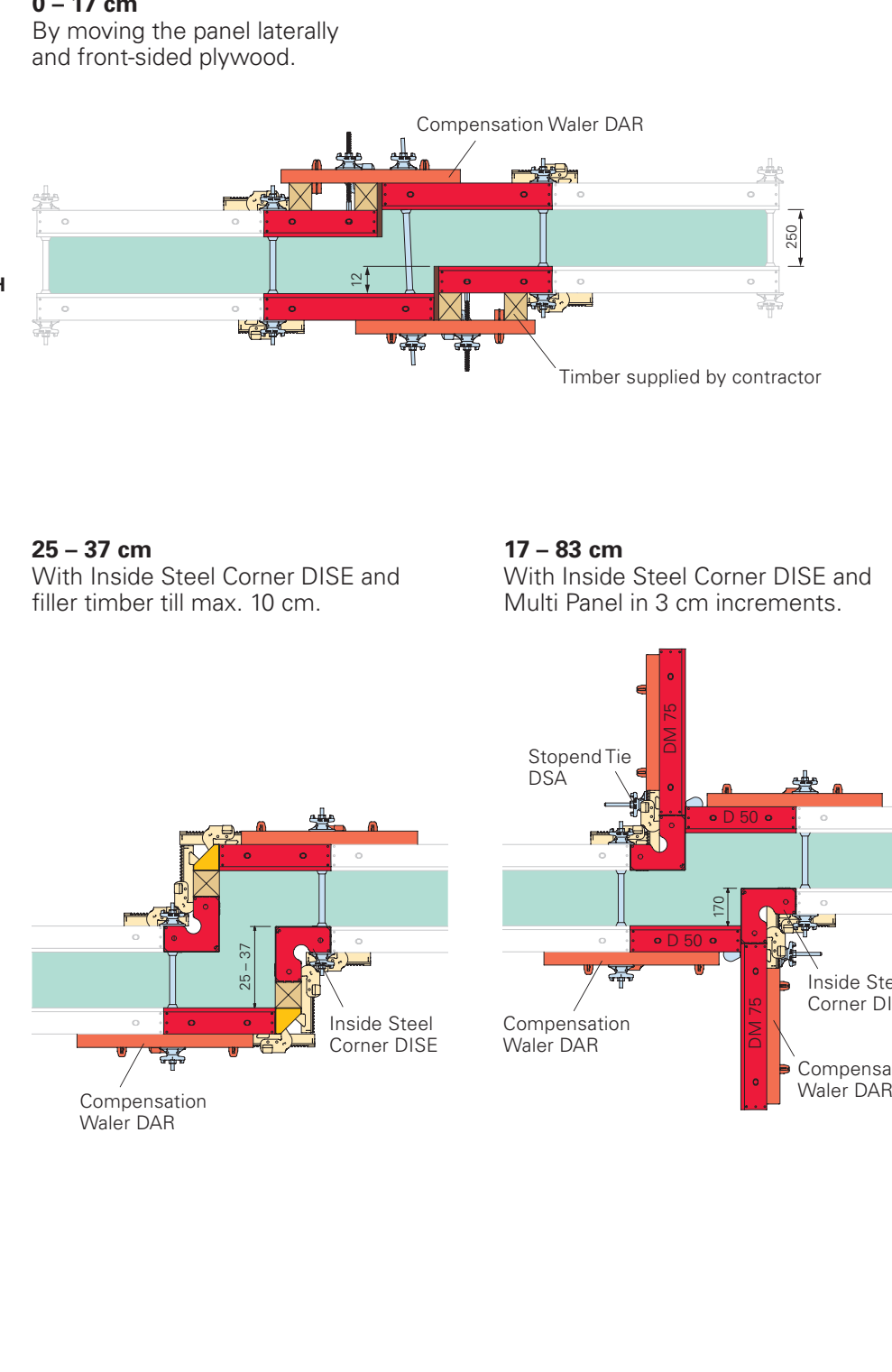
Table for PERI push-pull props and kicker braces

| Formwork Height [m] | 1.00 | 2.00 | 3.00 | 4.00 | 5.00 |
|---|------|-------|-------|-------|-------|
| Perm. width of influence [m] | 0.60 | 1.20 | 1.80 | 2.40 | 3.00 |
| Actual push-pull prop load [kN] | 5.00 | 10.00 | 15.00 | 20.00 | 25.00 |
| Actual kicker load [kN] | 2.00 | 4.00 | 6.00 | 8.00 | 10.00 |
| Resulting force [kN] | 5.00 | 10.00 | 15.00 | 20.00 | 25.00 |
| Resulting angle of attack [°] | 60 | 47 | 36 | 25 | 15 |
| Distance of base plate from rear edge of formwork [m] | x | 0.60 | 1.20 | 1.80 | 2.40 |
| Top connection point from top of formwork [m] | y | 0.50 | 1.00 | 1.50 | 2.00 |

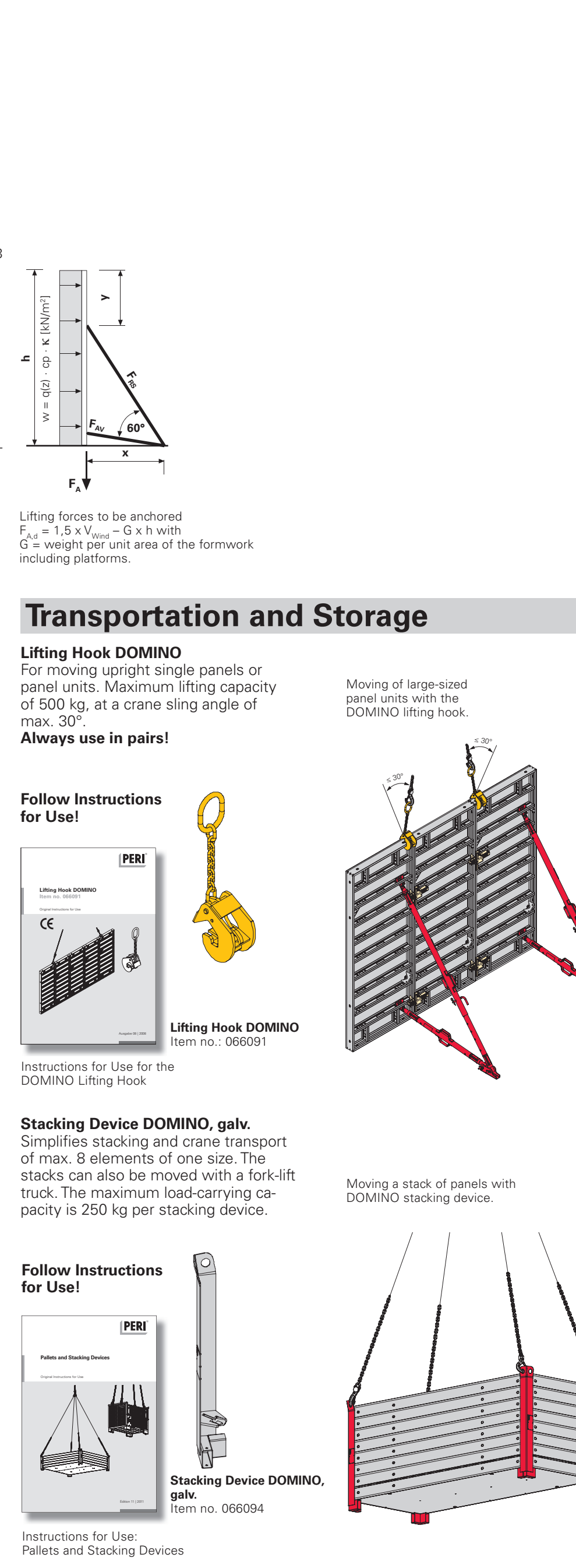
Accessories



5. Wall Offsets



Transportation and Storage



Tips for ensuring smooth construction progress

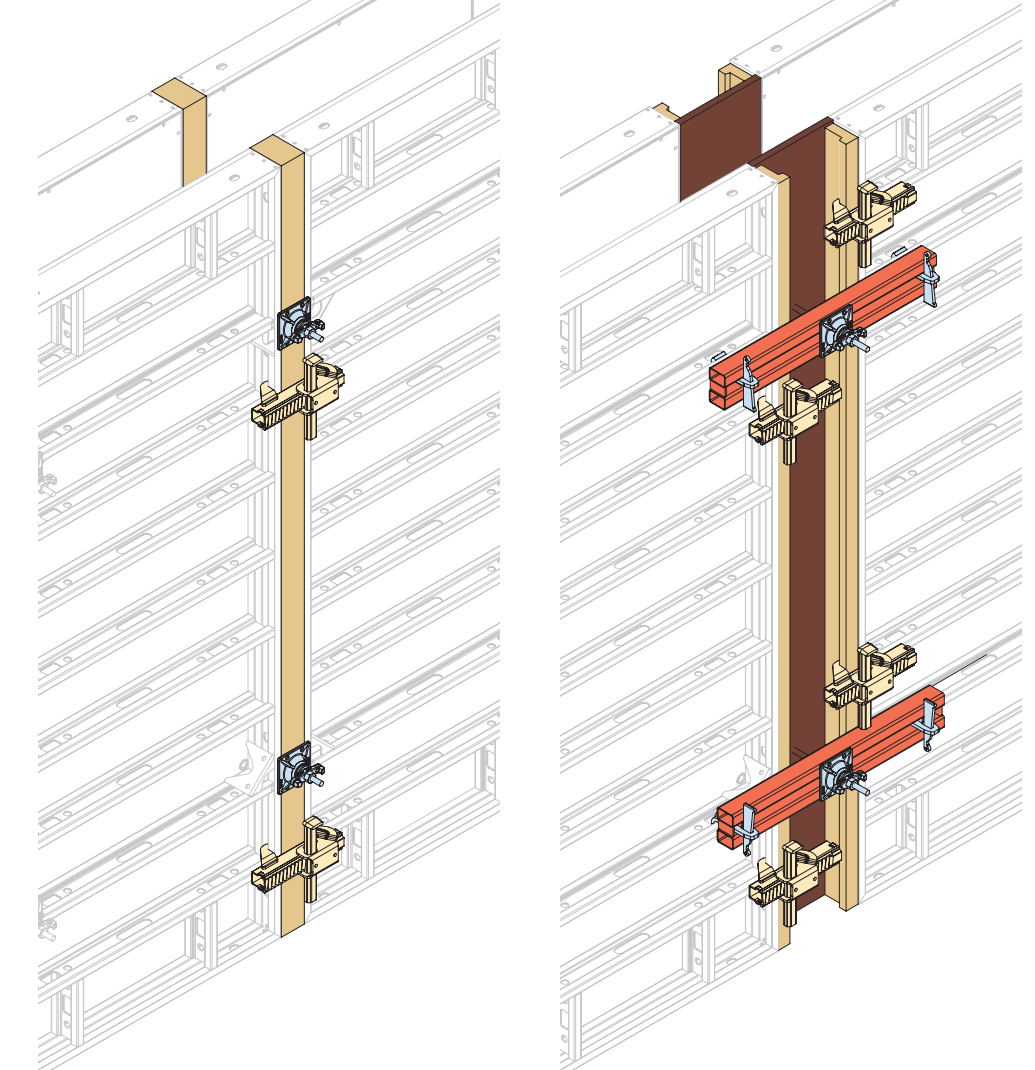
- Spray formwork on all sides with PERI Bio Clean before every use.
- Spray-wash formwork back with water immediately after concreting. This reduces the amount of cleaning work.
- Always start from a corner or difficult area. At the same time, take the wall thickness into consideration (see corners).
- Only use as many ties as necessary. Seal unused tie holes with Ø 20 Plugs, Item no. 030290.

Without exception, all current safety regulations must be observed in those countries where our products are used.

| Material | Max. fresh concrete pressure DIN 18218 | Evenness according to DIN 18202 |
|----------------------|--|---------------------------------|
| DOMINO D 250 steel | hydrostatic = 62.5 kN/m ² 60.0 kN/m ² | Line 7 Line 6 |
| DOMINO 250 aluminium | 50.0 kN/m ² | Line 6 Line 5 |

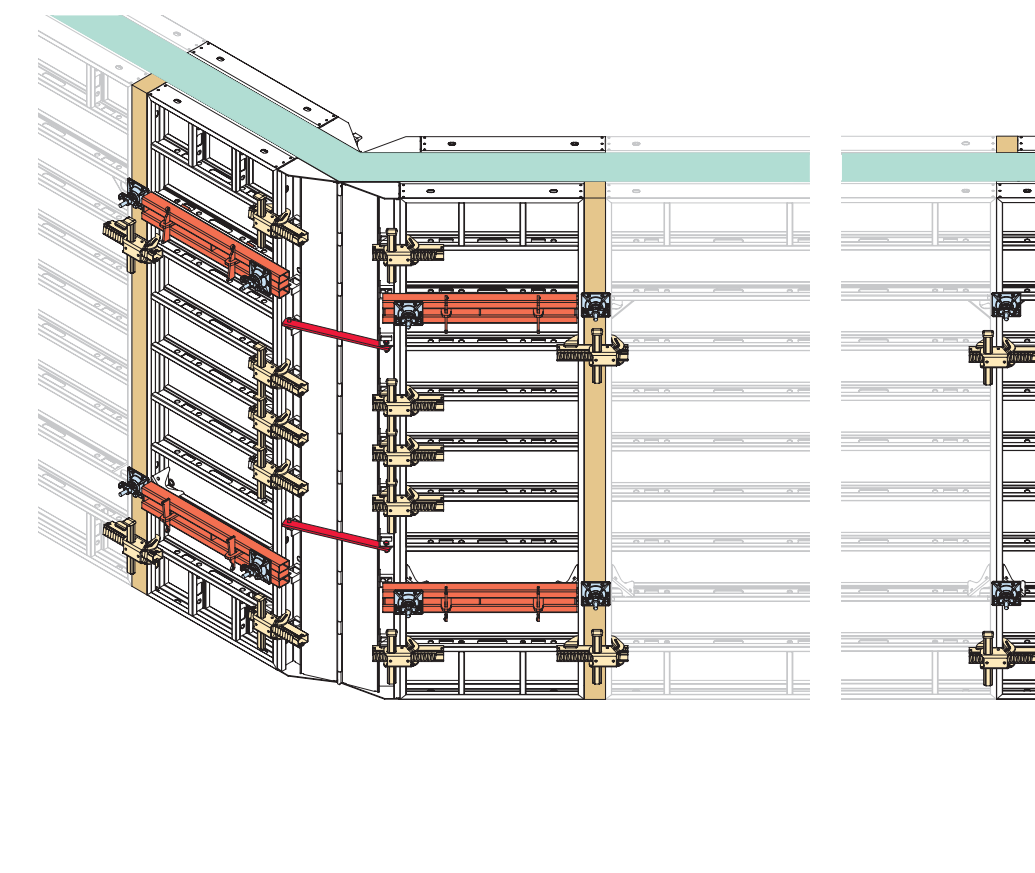
2. Longitudinal compensation

Longitudinal compensation up to 12 cm
 - up to 10 cm with alignment coupler DRS
 - over 10 cm with alignment coupler DRS and compensation water DAR 80.



4. Oblique angles ≥ 75°

External articulated corner
 Components needed for each side for 2.50 m panel heights:
 - five alignment couplers DRS
 - two compensation waters DAR



Extension Units

| Panel Height [m] | 250 | 100 | 75 | 50 | 35 | 25 | DAW outside | DGE outside | DGE inside | DISE inside |
|------------------|-----|-----|----|----|----|----|-------------|-------------|------------|-------------|
| 200 | | | | | | | | | | |
| 275 | | | | | | | | | | |
| 300 | | | | | | | | | | |
| 325 | | | | | | | | | | |
| 350 | | | | | | | | | | |
| 400 | | | | | | | | | | |
| 450 | | | | | | | | | | |
| 500 | | | | | | | | | | |

DOMINO Panel Formwork

Poster



The optimal System for every Project and every Requirement



Wall Formwork



Column Formwork



Slab Formwork



Climbing Systems



Tunnel Formwork



Bridge Formwork



Shoring Systems



Construction Scaffold



Facade Scaffold



Industrial Scaffold



Access



Protection Scaffold



System-Independent Accessories



Services



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