

MANTO[®] G3

The new generation of our 80 kN wall formwork system for large wall areas and big challenges is now more efficient than ever.

- ▶ Technical data
- ▶ Product advantages – Work productively
- ▶ Product advantages – Work safely
- ▶ Application & use
- ▶ Logistics
- ▶ Engineering-Services

At Work For You



HÜNNEBECK 

BY BRAND SAFWAY

MANTO® G3

Technical data

Create large surfaces even more economically with the new generation of the 80 kN/m² wall formwork system.

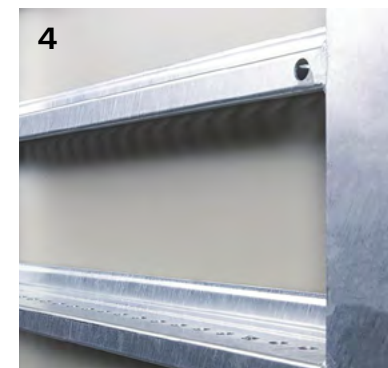
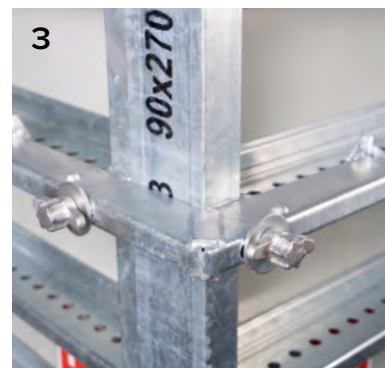


Product description	Crane-set large area wall formwork
Panel widths	30 45 60 75 90 105 120 240 cm
Panel heights	120 270 330 cm
Multi-purpose panels	75 x 120 75 x 270 75 x 330 cm
Profile height	14 cm steel frame profile (closed)
Form lining	ECOPLY full plastic composite sheet (19 mm thick) Plywood (18 mm thick)
Average weight	47 to 75 kg/m ² (including connection elements)
Max. concrete pressure	80 kN/m ² (line 6, some line 7)
Corrosion protection	Fully galvanised steel frame and connection elements
Relevant standards	Complies with EN 1993 DIN 18202 DIN 18218 DIN 18216
Standard connection	Aligning clamp (aligned and flush connection) Aligning wedge clamp
Special connection	Adjustable aligning clamp Outer corner clamp Universal connector
Inner corners	35 x 120 35 x 270 35 x 330 cm
Hinged corners	60° to max. 175° angle
Outer corners	Basic panel with outer corner clamps
Forming/stripping times	t = 0.20 – 0.40 h/m ² *
Special features	• Aligning wedge clamp for secure, tight and aligned connection • One-sided anchoring possible • Plastic formwork lining • Counter-sunk rivets for flat concrete surface • Different plastic inserts for traditional and taper tie

MANTO[®] G3

Work productively

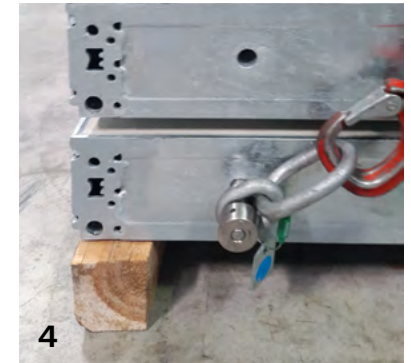
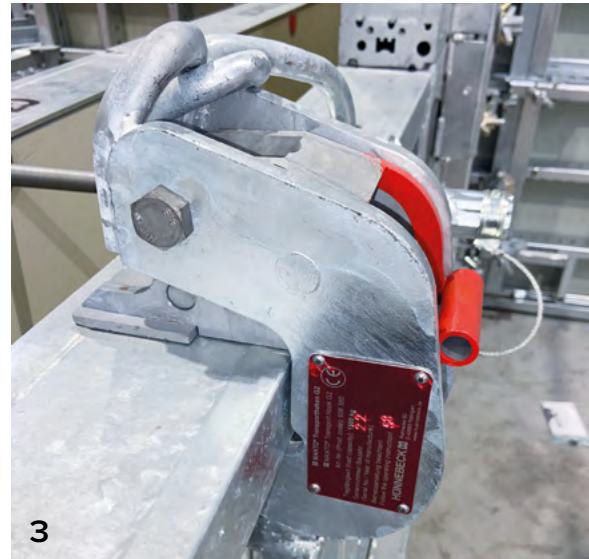
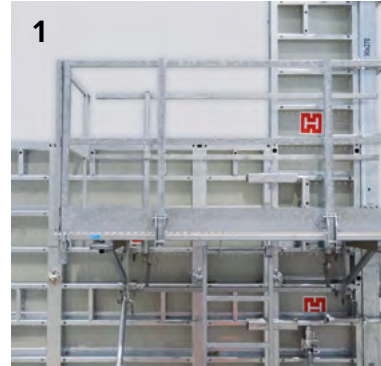
- ▶ Optional one-sided taper ties increase efficiency (1)
- ▶ MANTO Aligning Wedge Clamp allows panels to be quickly and securely connected (2)
- ▶ Outer corners made of standard panels – no special panels required (3)
- ▶ Less crane time due to ability to move 40 m² formwork elements at once
- ▶ Outstanding concreting results with ECOPLY plastic form sheet; easy cleaning and minimal wear (4)



MANTO[®] G3

Work safely

- ▶ Platform can be pre-assembled, with 360° side protection and integrated stairs (1)
- ▶ Optional possibility to store connectors on the formwork, where they are easily accessible
- ▶ Hot-dip galvanised steel frame ensures long serviceable life (2)
- ▶ MANTO Transport Hook G2: lightweight, powerful, operable from ground level (3)
- ▶ MANTO G3 Lifting Pin for safe loading and lateral transports (4)



MANTO[®] G3

Application & use

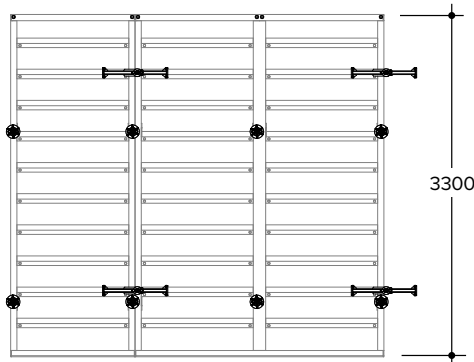
5

On the following pages you will find excerpts from our user manuals. The complete instructions are available at www.huennebeck.com.

Connecting panels horizontally

Using the MANTO Aligning Panel Clamp

Formwork height: 3.30 m

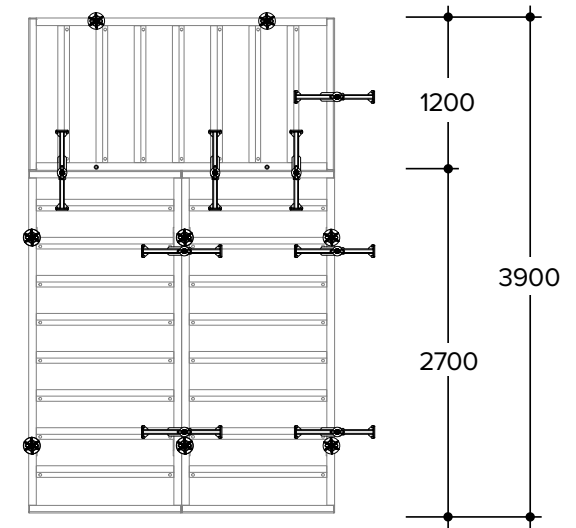
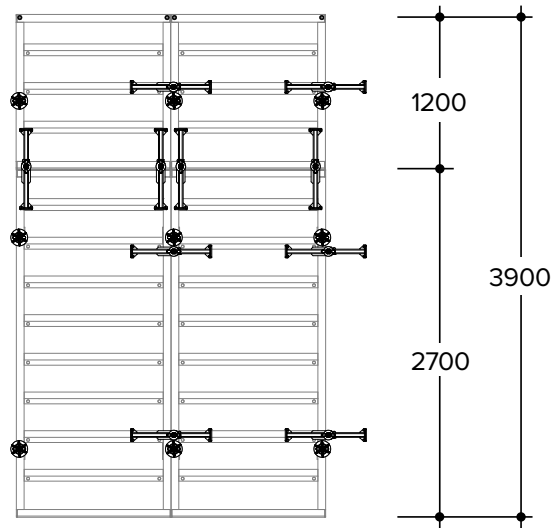


The uppermost tie position on MANTO Panels 330 is needed only when panels are stacked.

Connecting (extending) panels vertically

Using the MANTO Aligning Panel Clamp, ties and MANTO Panels 2.70 m

Formwork height: 3.90 m



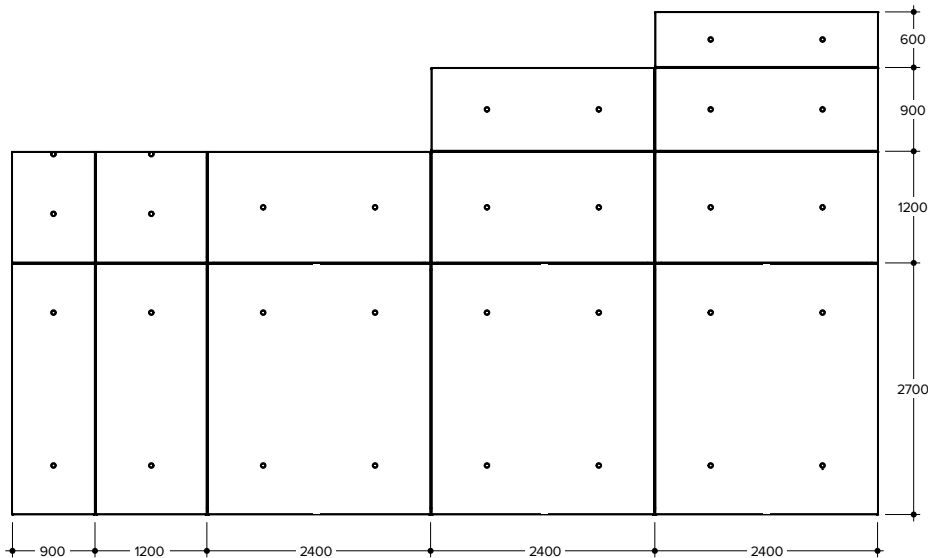
MANTO[®] G3

Application & use

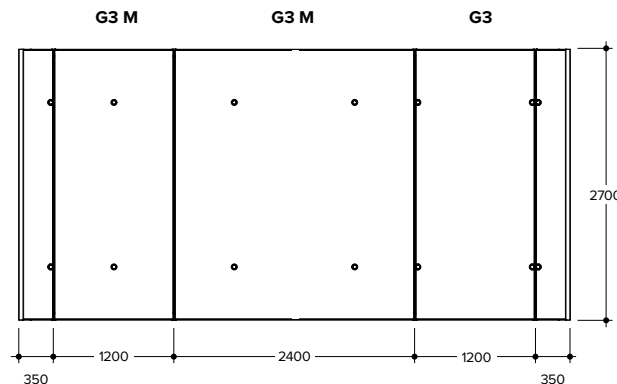
6

Tie pattern

Example: MANTO G3 M, stacked



Example: MANTO G3 and MANTO G3 M in the inner corner



Application & use

- › For large wall areas
- › Single-sided wall applications
- › As column formwork

MANTO[®] G3 integrates with

- › MANTO
- › PLATINUM platform system
- › Aligning struts
- › RONDA
- › Support frames

If you would like to find out more, take a look at our **Video**.

MANTO[®] G3

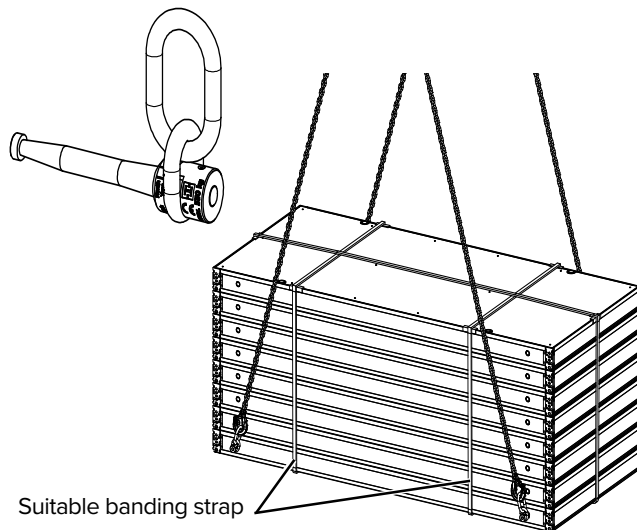
Logistics

7

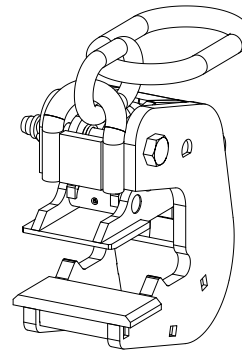
Bundled panels (only MANTO G3 and G3 M)

MANTO G3 Lifting Pins are used to transport bundles of MANTO G3 and G3 M panels by crane. The MANTO G3 Lifting Pin combined with 4-string suspensions allows bundles of 8no. panels or 5no. giant panels 240/270 or 240/330 to be moved. The SWL per MANTO G3 Lifting Pin is 550 kg.

MANTO G3 Lifting Pin
(code:608295) for MANTO panels
G3 and G3 M.

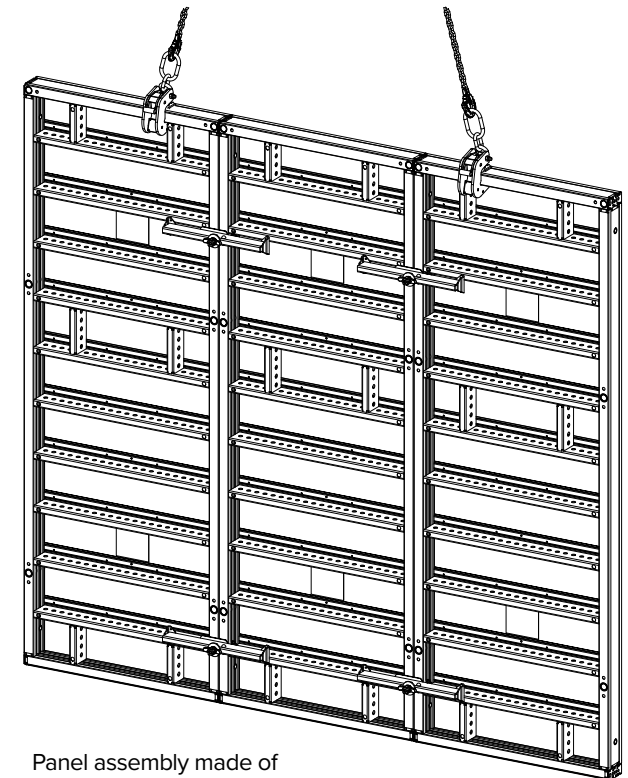


MANTO Transport Hook G2



Lighter and more powerful:

- Load-bearing capacity of 1,5 tons
- Weight: 10,6 kg



Panel assembly made of
3no. MANTO G3 Panels
Transport Hooks next to
panel joint

max. 60°

MANTO[®] G3

Engineering-Services

Phase 1
We analyse the situation.

Phase 2
We develop the technical drawings and calculate the costs.

We can design the most complex projects on your behalf quickly and thoroughly. Starting with the ground plan and facade dimensions, we produce the required structural drawings, determine the precise quantities of materials and supply all the required quantity lists.

We help in finding the right safety and access solution. Transparency, flexibility, cost-effectiveness and safety are a matter of course for us and an integral part of our corporate philosophy.

Whatever it takes! We assist you throughout complex construction projects including the engineering of one-off structures. Our mission at all times is to protect you from any unnecessary risks and help you arrive at the best-possible results in every respect.

Phase 3
We plan and implement the realisation.

Phase 4
We assist with project finalisation.