

MANAFORM



Your specialist for trading
high-quality
formwork products

MANAFORM



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[pic.: Peri Trio refurbished]



MANAFORM specialises in the *trade and rental* of high-quality formwork products.

In addition, we have our innovative, formwork that we developed on our own as well as matching accessories manufactured and, on request, we support our customers in the organisation of materials through our large network of production facilities located around the world.

Another innovative business field of **MANAFORM** is the procurement of *used products* of well-known formwork producers, which we can offer our customers at favourable conditions.

Manuel Akhbari, managing owner of **MANAFORM**:
„*For more than 20 years we have been contributing our formwork expertise to the most challenging projects worldwide.*

This benefits our customers significantly. We will gladly make you an offer!“

MF-80 STEEL PANEL FORMWORK

The MF-80 steel formwork is a robust and versatile shuttering system for all types of concrete works.

This shuttering system belongs to the category of heavy duty modular panel systems, and is suitable to be used on every site where concrete walls, columns or beams need to be realized in a cost-effective way.

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MF-80 STEEL PANEL FORMWORK

Application of the MF-80 system:

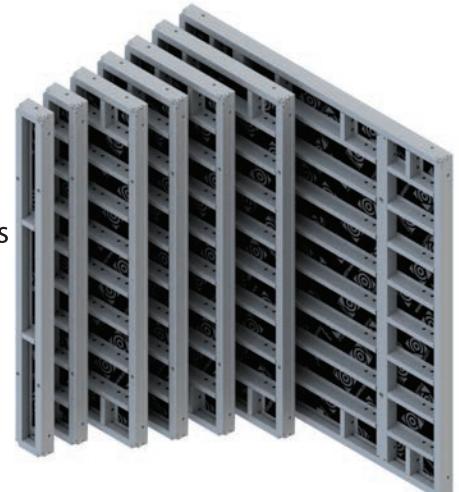
- Galvanized and powder coated steel frame
- 18mm plywood with a 220g/m² phenol coating
- Plywood screwed from behind
- Profiled sides

The MF-80 system meets the following requirements:

- Rigid and solid
- Easy and ergonomic
- Designed & calculated according to applicable standards
- In-house production, controlled and certified

Specifications of the MF-80 System:

- Modular steel panel formwork
- Panel thickness 120 mm
- Panels with large surface
- Limited number of accessories
- High pressure resistance 80kN/m²
- Long life expectancy



Types:

Wall panels: 3 heights [330cm, 270cm und 120cm] in jeweils 13 Breiten

[240cm, 120cm, 90cm, 72cm, 60cm, 55cm, 50cm, 45cm, 40cm, 30cm, 25cm, 24cm und 20cm]

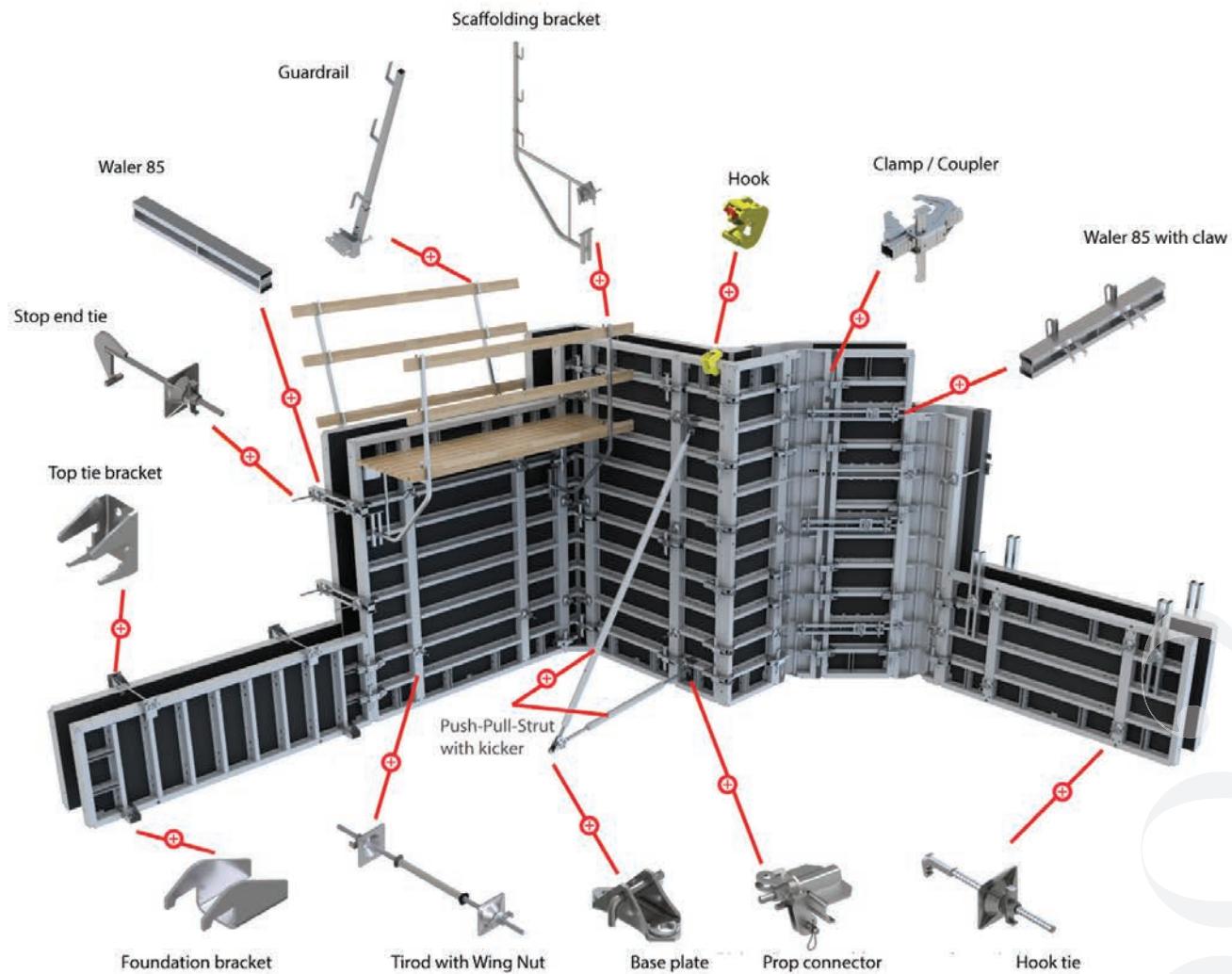
Universal panels: 1 universal panel of 72cm width per height, equipped with an extra hole pattern every 3cm. To be used for corners, wall connections, columns and as stop-end panels

Fixed corner panels: internal corners, to make 90° angles

Corner panels: internal and external corners, to make sharp or blunt angles

Shrinking corners: to make stair cores and lift shafts

MF-80 STEEL PANEL FORMWORK



MF-80 MEGA

The MF-80 Mega system is a modular panel formwork, specially designed for on-site concrete jobs where a fair-faced finish is required or where extremely high concrete pressures occur.

- The panels are made of a high-quality painted steel frame and a top quality 5mm stainless steel sheeting. The sheet lies on top of the profiles so the joints between the panels are reduced to a very thin line.

Composition of the Mega panels:

- Painted steel frame with 3,5mm profiles
- 5mm stainless steel sheeting
- Sheets welded from behind

Specifications of the Mega system:

- Modular panel formwork
- Panel thickness 120mm
- Extremely strong and rigid
- Fully compatible with the MF-80 system
- Large size panels
- Limited number of parts
- High pressure resistance, minimum 100kN/m²
- Long life expectancy
- Stainless although magnetic sheets

Mega panel types:

- 3 heights: 330cm, 270cm und 120cm
- 7 widths: 240cm, 120cm, 90cm, 72cm, 60cm, 30cm und 24cm

Utilization of the Mega formwork:

Assembly, fitting and applications are similar to the Mega system .

The Mega panels are fully compatible with the Mega system.

MF-80 on one side and Mega on the other side or side by side is possible.

CIRCULAR FORMWORK CONFLEX

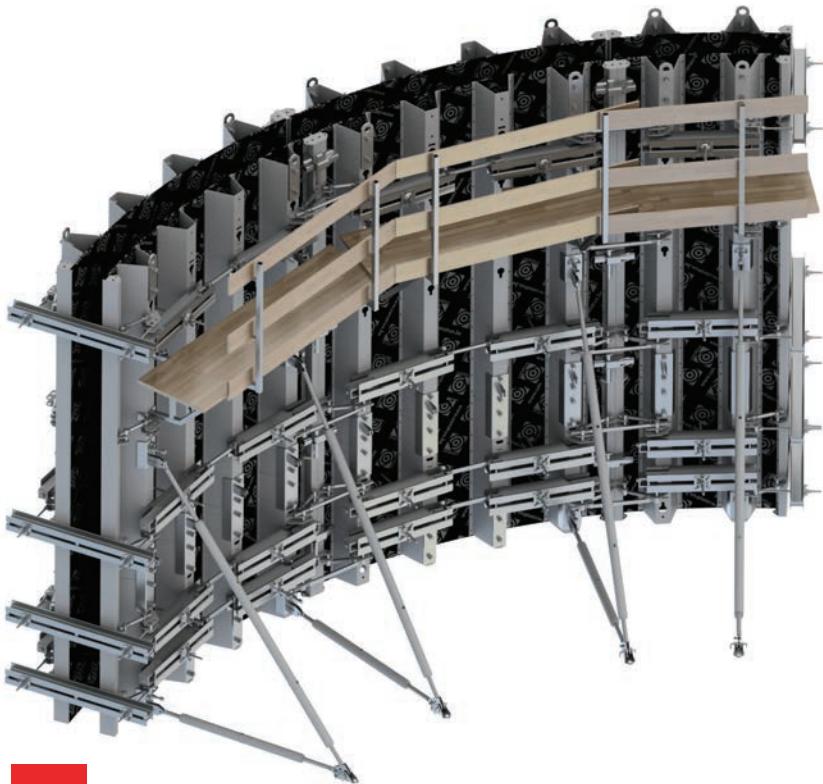
Any circular wall with a minimum radius of 3m can be cast by using this adjustable and quick to fit circular shuttering system. This adjustable shuttering system is suitable to be used on every site where circular concrete walls need to be poured. Adjusting the radii is easy and simple which makes Conflex a cost-effective system. Through total quality management, in design, production and logistics, we guarantee a permanent high quality.

Composition of the Conflex panels:

- Galvanized steel side profiles
- 18mm plywood with a 220g/m² phenol coating
- Plywood screwed from behind

Spezifications of the Conflex Systems:

- 3 panel heights (330cm, 270cm und 120cm) each with 2 widths for the inside panels (240cm und 126cm) as well as for the outside panels (250cm und 130cm).
- Panel heights are identical to the panel heights of the MF-80 wall formwork, so nicely aligned joints will appear on the concrete surface when using Conflex and MF-80.
- The radii can be adjusted by using the spindles on the panels
- Accessories such as props, stop-ends and corbels can be fitted to the outside steel profiles



QUADRI COLUMN FORMWORK

The Quadri column formwork is a multifunctional hit-and-miss system for rectangular columns

Composition of the Quadri panels:

- Galvanized and/or painted frame
- 18mm plywood with a 220g/m² phenol coating, or stainless steel sheeting

Requirements of the Quadri system:

- Rigid, solid, easy and ergonomic
- Designed and calculated according to applicable standards
- Plywood screwed from behind

Handy:

- With the same set, column boxes can be prepared with sections from 150mm x 150mm up to 850mm x 850mm
- Adjustable with 50mm increments
- The heights are similar to those of the standard Tricon panels: 1200mm, 2700mm and 3300mm
- Different column boxes can be assembled on top of each other

Fast:

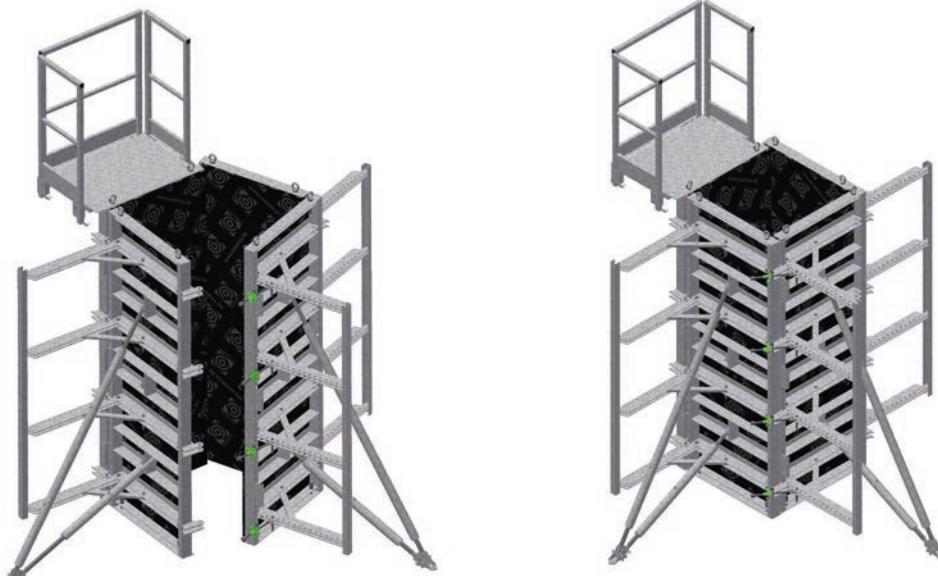
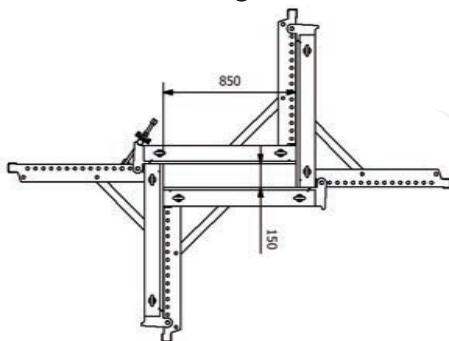
- All accessories are integrated in the formwork
- A set of 4 panels can be moved on-site in one single crane lift
- Stacked on a truck, a complete set takes very little space

Strong and sustainable:

- Pressure resistance of more than 80kN/m²
- Minimum deflection
- Long life expectancy

Made to measure possibilities:

- Larger sections
- Other heights
- Stainless steel sheeting



SINGLE SIDE WALLS

Brace frames are used for one-sided concreting.

They transfer the concrete pressure from the wall via the anchors to the substructure.

There are four different brace frame types depending on the concreting height.

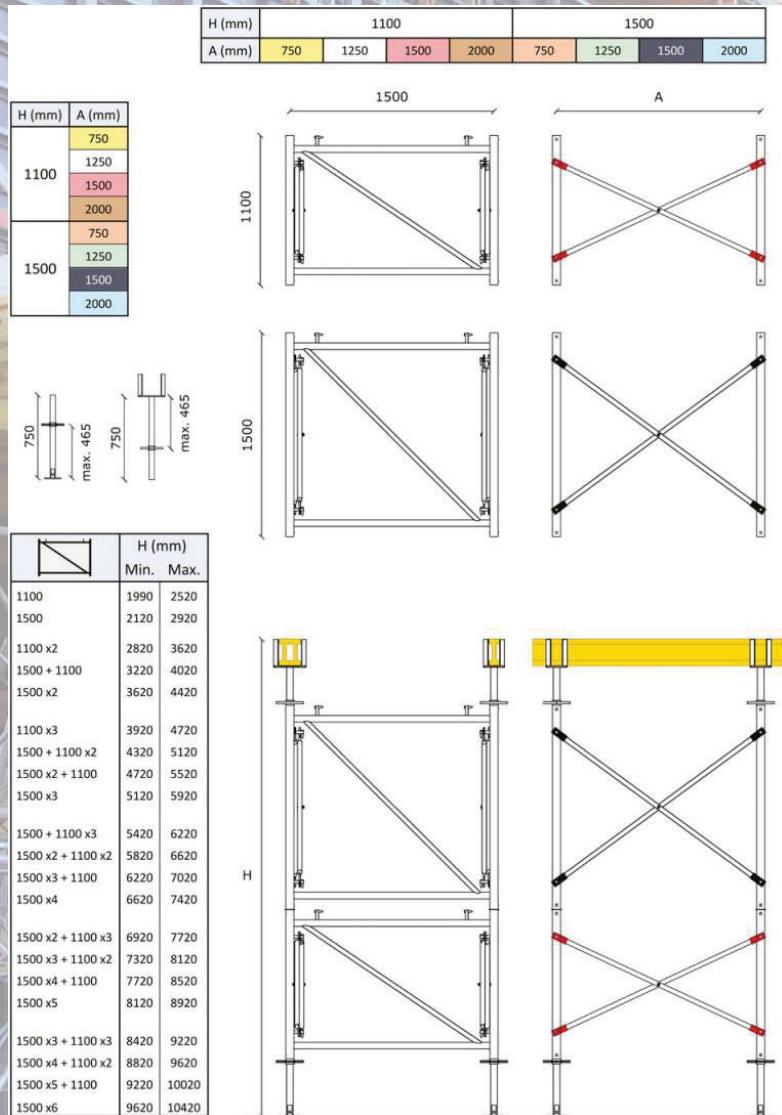
Type S is the standard brace frame

Types A, B and C are stackable and are used together depending on the height or can also be used independently.



MF SHORING TOWER SYSTEM

MANAFORM has a shoring tower system applying frames and diagonal braces. The 2 types of MF frames with 4 different diagonal braces each, can cope with any height and surface area required. The admissible load depends on the configuration of frames and braces. In combination with the **MANAFORM** crossheads, spindles and H-20 girders, the MF frames and braces form a perfect shoring tower system.



The diagram illustrates the MF Shoring Tower System with various frame configurations and height-to-width ratios. It includes tables for frame dimensions and height ranges, and diagrams for different frame types and their height-to-width ratios.

Frame Dimensions:

H (mm)	A (mm)
1100	750
	1250
	1500
1500	750
	1250
	1500
	2000

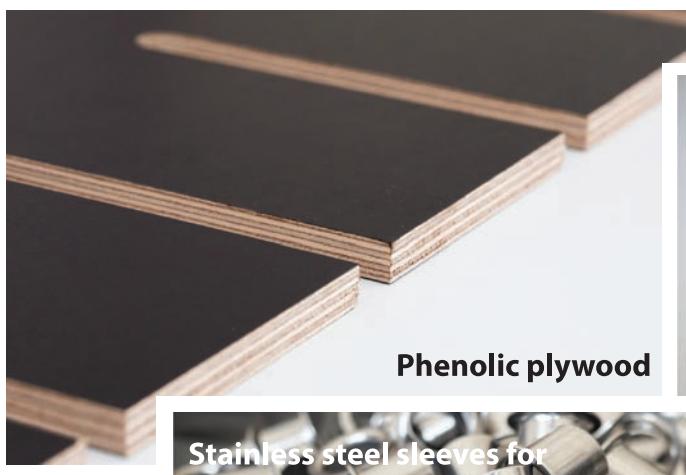
Height-to-Width Ratios:

	1100	1500
A (mm)	750 1250 1500 2000	750 1250 1500 2000
H (mm)	1100	1500

Frame Configurations:

- 1100 x 1100: A square frame with a height of 1100 mm and a width of 1500 mm. It has a height-to-width ratio of 1100/1500 = 0.733.
- 1500 x 1500: A square frame with a height of 1500 mm and a width of 1500 mm. It has a height-to-width ratio of 1500/1500 = 1.000.
- 1100 x 1500: A frame with a height of 1100 mm and a width of 1500 mm. It has a height-to-width ratio of 1100/1500 = 0.733.
- 1500 x 1100: A frame with a height of 1500 mm and a width of 1100 mm. It has a height-to-width ratio of 1500/1100 = 1.364.
- 1100 x 2: A frame with a height of 1100 mm and a width of 2000 mm. It has a height-to-width ratio of 1100/2000 = 0.550.
- 1500 x 2: A frame with a height of 1500 mm and a width of 2000 mm. It has a height-to-width ratio of 1500/2000 = 0.750.
- 1100 x 3: A frame with a height of 1100 mm and a width of 2520 mm. It has a height-to-width ratio of 1100/2520 = 0.437.
- 1500 x 3: A frame with a height of 1500 mm and a width of 2920 mm. It has a height-to-width ratio of 1500/2920 = 0.512.
- 1100 x 2 + 1100 x 2: A frame with a height of 2820 mm and a width of 3620 mm. It has a height-to-width ratio of 2820/3620 = 0.780.
- 1500 x 2 + 1100: A frame with a height of 3220 mm and a width of 4020 mm. It has a height-to-width ratio of 3220/4020 = 0.800.
- 1500 x 2 + 1100 x 2: A frame with a height of 3620 mm and a width of 4420 mm. It has a height-to-width ratio of 3620/4420 = 0.818.
- 1100 x 3 + 1100 x 2: A frame with a height of 3920 mm and a width of 4720 mm. It has a height-to-width ratio of 3920/4720 = 0.830.
- 1500 x 2 + 1100 x 2: A frame with a height of 4320 mm and a width of 5120 mm. It has a height-to-width ratio of 4320/5120 = 0.840.
- 1500 x 2 + 1100: A frame with a height of 4720 mm and a width of 5520 mm. It has a height-to-width ratio of 4720/5520 = 0.854.
- 1500 x 3 + 1100 x 2: A frame with a height of 5120 mm and a width of 5920 mm. It has a height-to-width ratio of 5120/5920 = 0.860.
- 1500 x 2 + 1100 x 3: A frame with a height of 5420 mm and a width of 6220 mm. It has a height-to-width ratio of 5420/6220 = 0.870.
- 1500 x 2 + 1100 x 2: A frame with a height of 5820 mm and a width of 6620 mm. It has a height-to-width ratio of 5820/6620 = 0.880.
- 1500 x 2 + 1100: A frame with a height of 6220 mm and a width of 7020 mm. It has a height-to-width ratio of 6220/7020 = 0.885.
- 1500 x 4: A frame with a height of 6620 mm and a width of 7420 mm. It has a height-to-width ratio of 6620/7420 = 0.890.
- 1500 x 2 + 1100 x 3: A frame with a height of 6920 mm and a width of 7720 mm. It has a height-to-width ratio of 6920/7720 = 0.900.
- 1500 x 3 + 1100 x 2: A frame with a height of 7320 mm and a width of 8120 mm. It has a height-to-width ratio of 7320/8120 = 0.905.
- 1500 x 4 + 1100: A frame with a height of 7720 mm and a width of 8520 mm. It has a height-to-width ratio of 7720/8520 = 0.910.
- 1500 x 5: A frame with a height of 8120 mm and a width of 8920 mm. It has a height-to-width ratio of 8120/8920 = 0.915.
- 1500 x 3 + 1100 x 3: A frame with a height of 8420 mm and a width of 9220 mm. It has a height-to-width ratio of 8420/9220 = 0.920.
- 1500 x 4 + 1100 x 2: A frame with a height of 8820 mm and a width of 9620 mm. It has a height-to-width ratio of 8820/9620 = 0.925.
- 1500 x 5 + 1100: A frame with a height of 9220 mm and a width of 10020 mm. It has a height-to-width ratio of 9220/10020 = 0.930.
- 1500 x 6: A frame with a height of 9620 mm and a width of 10420 mm. It has a height-to-width ratio of 9620/10420 = 0.935.

ACCESSORIES



Phenolic plywood



Parts for repair phenolic plywood



Stainless steel sleeves for anchor holes in plywood

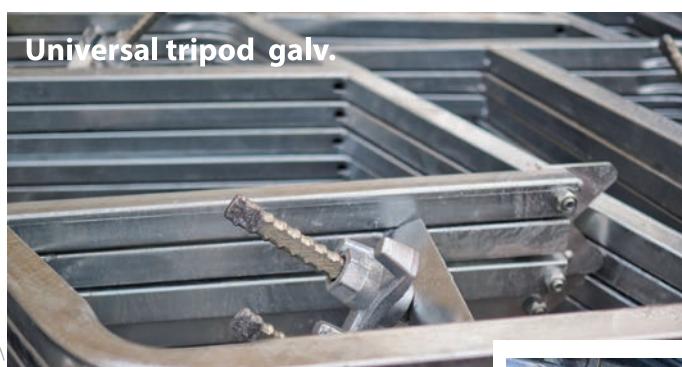
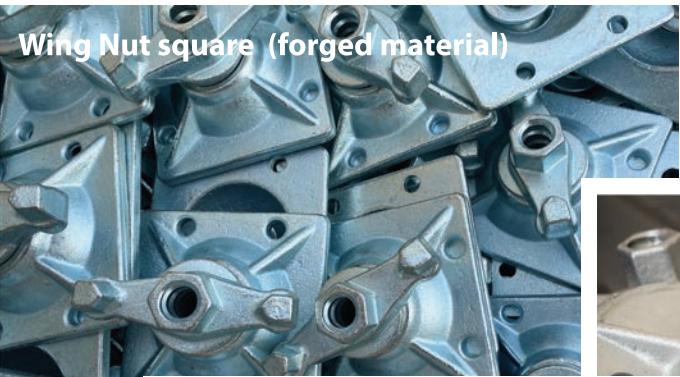


PVC plugs 20/24



Crosshead galv.

ACCESSORIES



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SPECIAL FORMWORK

Self-supporting form for arch bridges

Details largest bridge:

Width on top 10m | width at the base 20,8m · Span 20,3m | arch length 25,6m



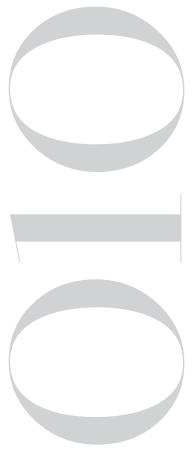
Bridge pier formwork

This large infrastructure job included:

- 4 bridges
- 13 viaducts
- 5 tunnel

Specifications of the piers:

- length up to 21,5m
- Width tapered 134cm to 75cm
- height 6,425m



SPECIAL FORMWORK

Hydraulic climbing circular wall formwork

Details:

Inner diameter 20m, wall thickness 800mm, height 26,5m

Full circumference inside and outside formwork, poured in one go, height 2m

Partition wall between dry and wet part of the tank is poured afterwards

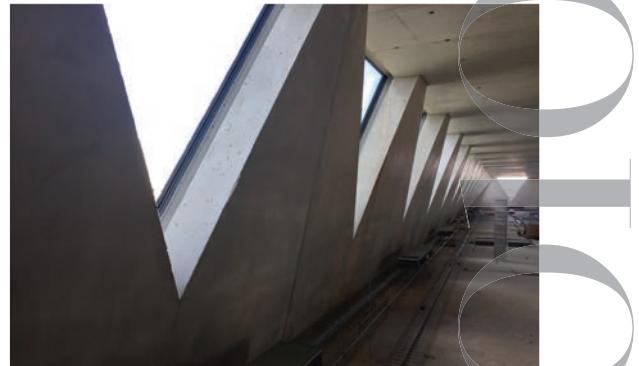
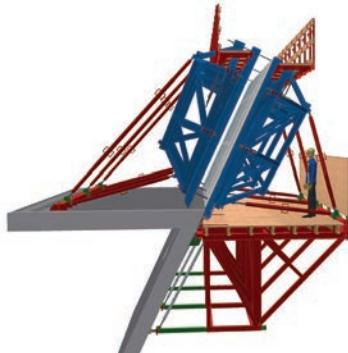
A 1m starter is cast on both ends of the partition wall in phase 1



Adjustable formwork and climbing system for twisted walls

The new County Hall in Antwerp is a building with 8 completely twisted levels.

The outside walls of these floors lean back- or forwards. All concrete used is white and the inside of the building needs to be fair-faced. For this purpose, we designed and manufactured a full steel adjustable and twistable formwork without tie-bars through the wall and of which the inside panels have a stainless-steel facing, in order to avoid rust stains.

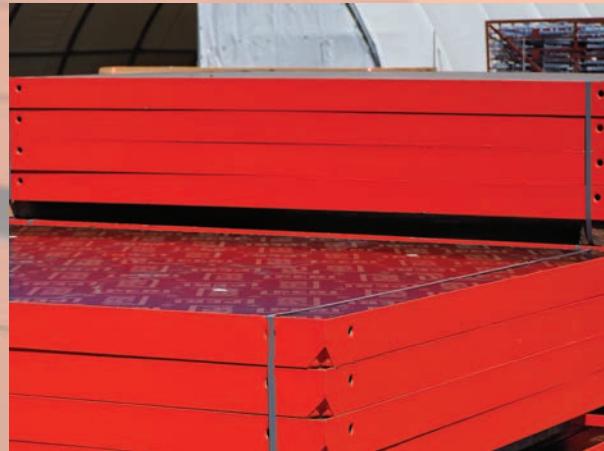


USED FORMWORK

Purchase and sale or system exchange of system formwork from all manufacturers.

Do not hesitate to contact us if you wish to sell or for the procurement of used material of all common systems, components and construction equipment.

Peri Trio



DOKA Eurex 20 top steel props



PVC

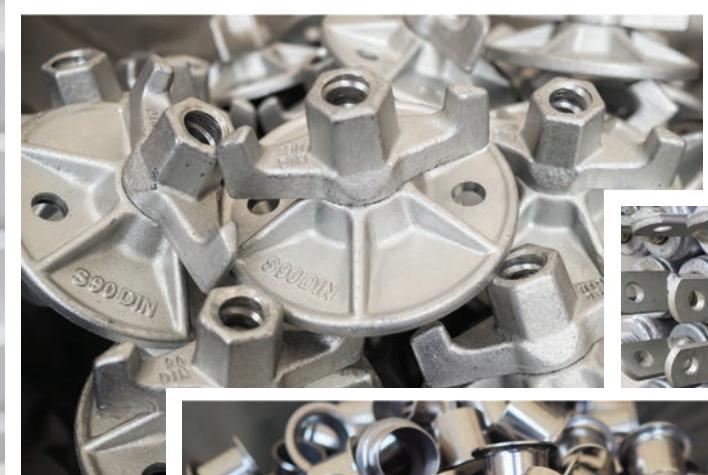
PRODUCT DEVELOPMENT

MANAFORM is your specialist in procuring custom-made solutions for formwork construction projects. Our network of producers has grown steadily over many years and has been tried and tested worldwide. Our cooperation partners all over the world produce everything from high-quality aluminium and steel that is needed in the formwork sector in accordance with the usual applicable quality standards. This includes frame elements in various sizes as well as accessories such as assembly locks, bolts or various push-pull props. Of course, our production facilities are equipped with laser technology for the extremely precise processing of the products.

After all, **MANAFORM** stands for quality – see for yourself!



PRODUCT DEVELOPMENT



COOL

OUR SERVICES

LEASING | HIRE PURCHASE

Leasing allows for manageable instalments to protect equity and credit lines.

Freely selectable terms between 24 and 60 months.
We offer you constant instalments at favourable secured interest rates over the entire term.
You can choose between leasing and hire purchase.
Please contact us for an individual offer.

TRANSPORT | LOGISTICS

Our logistics experts have the right solution for the transportation of your order:
From the delivery of the material at the agreed time to a simple call-off order for the formwork quantities.



MANAFORM



MANAFORM GmbH has been the official trading partner of Construx bvba since January 1st, 2020. We provide consulting services for all frame and system formwork projects in Germany and Switzerland.

Your contact person Manuel Akhbari is looking forward to your request.: akhbari@manaform.de

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