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SALESBRIDGES
COLUMN FORMWORK

Circular column SK100

Steel formwork for all conventional circular cross-sectional columns of any height

The circular column formwork SK100 has been designed for forming columns with circular cross-section. To form curved stop-end or oval column, the SK100 system can be combined with Varimax and circular formwork Ringform. The system consists of two semicircular formwork halves, with standard diameters from 30cm up to 130 in a 10cm grid. The semicircular elements are fixed to each other by means of integrated connectors (no additional fixation elements are required). 3 heights of elements are available, 50cm, 100cm and 200cm, which can be combined by means of vertical stacking to assemble any height required.

Heavy-duty formwork

- 100 kN/m² permitted pressure of fresh concrete

Easy to use

- Having only 3 standard elements heights and 11 standard diameters in a 10cm grid provides much easier planning and forming.
- Any custom size up to 200cm in diameter can be produced on enquiry.
- All the connectors are integrated and accessories are easily fixed into the slots and quickly tighten, consequently forming time is efficient and maximized.

Cost-effective

- Fast concreting operations.
- Installation of pre-assembled units minimizes use of a crane.
- For a column forming only 2 pre-assembled units are used meaning that forming and stripping time are optimized.
- High number of use cycles means lower follow-up expenses.
- Reduction of expenses by means fast cleaning possibilities.
- Galvanized or powder-coated steel formwork, for long service life .
- High quality of concrete finish minimizes finishing work (architectural concrete surface)

Safe use

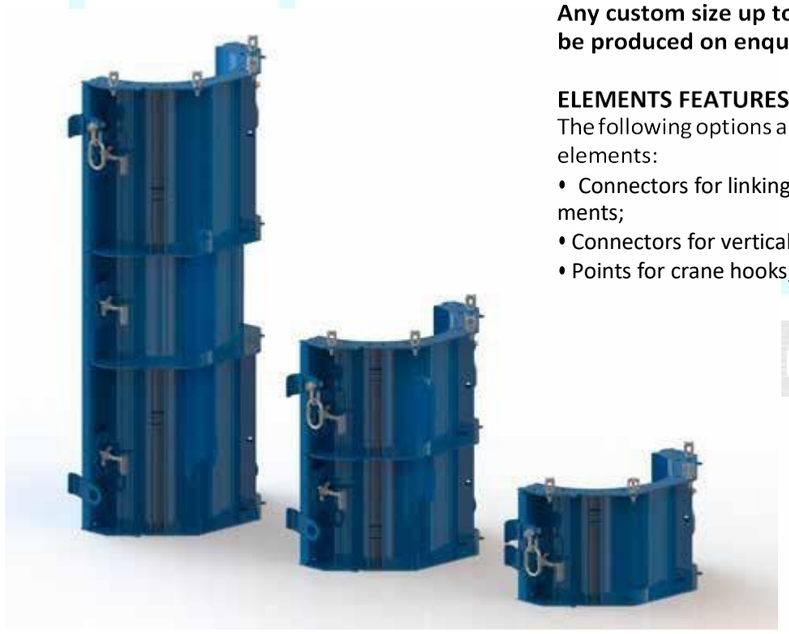
- Accessories such as — wall brackets, supporting struts etc. make for save and easier handling of the system.

COLUMN FORMWORK

SK 100 elements

ELEMENTS HEIGHTS

There are 3 standard heights of the semicircular formwork elements 50cm, 100cm and 200cm, which can be easily assembled, by means of vertical stac
king, to a formwork element of any height required.



ELEMENT DIAMETERS

Thereare 11 standarddiametersofthesemicircular formwork elements from 30cm up to 130cm in a 10cm grid.

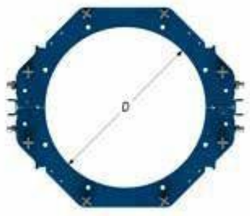
D=30,40, 50, 60, 70, 80, 90, 100, 110, 120, 130cm

Any custom size up to 200cm in diameter can be produced on enquiry.

ELEMENTS FEATURES

The following options are integrated in the SK 100 elements:

- Connectors for linking two semi-circular elements;
- Connectors for vertical stacking;
- Points for crane hooks;



SK 100 elements connection

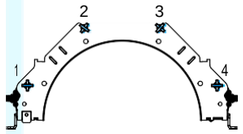
JOINING OF TWO SEMI-CIRCULAR ELEMENTS TOGETHER

The integral centering mechanism makes it easy to position the two halves correctly.

SK 100 elements

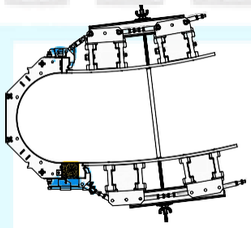
CONNECTIONOFTHEELEMENTSFORSTACKING

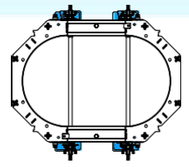
Link the Elements SK100 together with the integrated connecting bolts SK. To achieve an exact interelement join, it is recommended tightening the connection blots in the following order.



ADDITIONAL UTILIZATION

SK100 elements can be connected directly to the Varimax panels to form ‘oval’ columns or curved stop-end, or to the elements of the circular formwork Ringform.





STIFFENING WITH STEEL WALINGS

This measure is recommended:

- ontall multi-element columnformworks SK (from 4.00 m upward), in order to stiffen the formwork when it is stood upright
- on multi-element column formworks SK assembled from a large number of small elements. The steel walings should be long enough to overlap the reinforcement ribs immediately above and below the join.

COLUMN FORMWORK

SK 100 elements

Item			Article no
Column element SK100	D1300x2000mm	336,00	14100000
	D1300x1000mm	197,40	14102000
	D1300x500mm	114,45	14104000
	D1200x2000mm	318,15	14106000
	D1200x1000mm	211,05	14108000
	D1200x500mm	107,10	14110000
	D1100x2000mm	302,40	14112000
	D1100x1000mm	190,05	14114000
	D1100x500mm	100,80	14116000
	D1050x2000mm	291,90	14113000
	D1050x1000mm	180,60	14115000
	D1050x500mm	97,65	14117000
	D1000x2000mm	246,75	14118000
	D1000x1000mm	157,50	14120000
	D1000x500mm	88,20	14122000
	D900x2000mm	226,80	14124000
	D900x1000mm	138,60	14126000
	D900x500mm	80,85	14128000
	D800x2000mm	199,50	14130000
	D800x1000mm	116,03	14132000
	D800x500mm	68,25	14134000
	D700x2000mm	186,90	14136000
	D700x1000mm	102,90	14138000
	D700x500mm	59,85	14140000
	D600x2000mm	164,85	
	D600x1000mm	101,33	14144000
	D600x500mm	54,08	
	D500x2000mm	154,35	14148000
	D500x1000mm	94,50	14150000
	D500x500mm	54,60	14152000
	D400x2000mm	139,65	14 154 000
	D400x1000mm	85,05	14156000
	D400x500mm	48,30	14158000
	D350x2000mm	124,95	14155000
	D350x1000mm	74,55	14157000
	D350x500mm	43,05	14 159000
	D300x2000mm	117,60	14160000
	D300x1000mm	69,30	14162000
	D300x500mm	39,90	14164000

Item			Article no
Waling 12	0,50m	10,92	21 050 000
	0,75m	15,96	21 075 000
	1,00m	21,00	21 100 000
	1,25m	26,25	21 125 000
	1,50m	31,82	21 150 000
	1,75m	37,07	21 175 000
	2,00m	42,32	21 200 000
	2,25m	47,46	21 225 000
	2,50m	52,71	21 250 000
	2,75m	58,28	21 275 000
	3,00m	63,53	21 300 000
	3,25m	69,00	21 325 000
	3,50m	75,60	21 350 000
	4,00m	85,47	21 400 000
	4,50m	96,20	21 450 000
	5,00m	106,4	21 500 000
	5,50m	117,6	21 550 000
	6,00m	128,6	21 600 000

Item		[kg]	Article no
Guid plate	0,9m	12.18	11912000
	1,5m	19.95	11914000
Ajustable plumbing strut			2001
Spindle head		3,41	11 932100
Spindle element without end-hinge		38,00	11 934000
Extension strut 3.7		75,00	11936000
Extension strut 2.40		52,00	11938000
Spindle element with end - hinge		46,00	11940000
Supporting strut 340		34,27	11 928100

SK 100 elements

Item		[kg]	Article no
Supporting strut 540		54,20	11 930 100
Wall bracket H20		12,65	23 000 100
Guiderailclamp		11,70	1025
Star-shapednut		0,38	2007
Superplate	15.0		1.22
	20.0		2.10
Wall bracket adapter		6,38	14 166 100
Connection screw	10–16cm	0,65	11 908 100
	10–25cm	0,70	11 910 100

COLUMN FORMWORK

Column formwork VARIMAX

Framed heavy-duty formwork for rectangular and square columns forming.

The system is broadly applicable for projects where large numbers of square and rectangular columns, with variable cross-sections, are to be formed cost-effectively and quickly. For column forming versatile panels of the VARIMAX system are used. Using the versatile panels 90cm width a column cross-section up to 75x75cm in a 5cm grid can be formed, with use of 135 panel a column cross-section up to 120x120 in a 5cm grid can be formed. Height extension can be accomplished by means of vertical stacking.

Heavy-duty formwork

- 80 kN/m² pressure of fresh concrete
- High quality film faced plywood with thickness of 21mm. Film weight 240g/m2

Easy to use

- Having only 2 standard panel widths provides much easier planning andforming.
- Alltheconnectorsandaccessoriesareeasilyfixed into the slots and quickly tighten, consequently forming time is efficient and maximized.
- Any column cross-section up to 120x120cm in a 5cm grid can be easily assembled.

Cost-effective

- Maximum utilization is obtained form the formwork by using versatile panels for columns, corners, stop-ends and wall junctions.
- Installation of pre-assembled units minimizes use of a crane.
- For a column forming only 2 pre-assembled units are used, meaning that forming and stripping time is optimized.
- High number of use cycles means lower follow-up expenses.
- Reduction of expenses by means of restoration and cleaning possibilities.
- Galvanized or powder-coated steel frames, for long service life.
- High quality of concrete surface minimizes finishing work.

Safe use

- Accessories such as — wall brackets, lifting hooks, supporting struts etc. make for save and easier handling of the system.

COLUMN FORMWORK

VARIMAX versatile panels

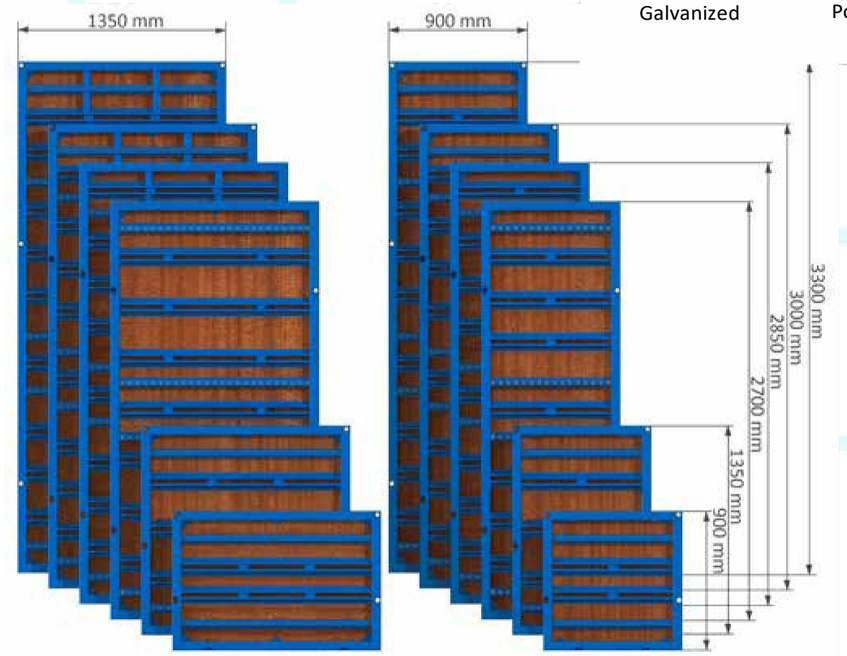
VERSATILE PANELS

The special hole pattern makes these panels particularly suitable for efficient forming of:
- Columns
- Corners
- Wall junctions
- Stop-ends

For any type and size of the panel two options of covering are available.

Galvanized

Powder-coated



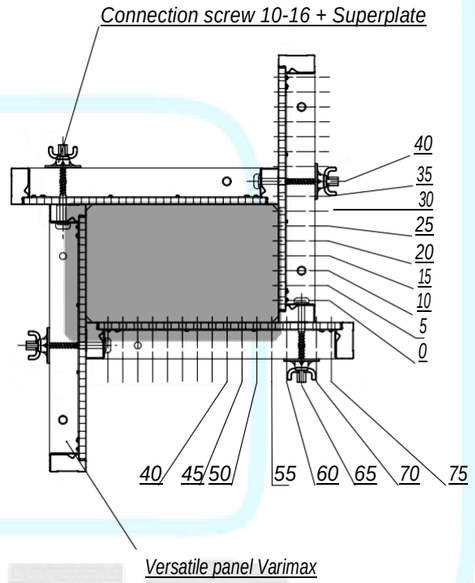
Column formwork VARIMAX

VERSATILE PANEL CONNECTION

For panel connection only one type of connectors is used, implemented by means of SALESBRIDGES Connection screw 10-16 and Supper plate, which simplify and speed up the processes of pre- assembly, forming and stripping.

Supper plate

Connectionscrew 10-16



COLUMN FORMWORK

Column formwork VARIMID

Framed lightweight formwork for rectangular and square column forming

The lightweight framed formwork Varimid by SALESBRIDGES delivers perfect forming performance in projects where use of a crane is limited, can be assembled by hand. When a large number of square and rectangular columns, with variable cross-sections, are to be formed cost-effectively and quickly, with limited use of lifting equipment ,column formwork Varimid is the best solution. Using versatile panels 75cm width a column cross- section up to 60x60cm in a 5cm grid can be formed, with use of 90cm panel a column cross- section up to 75x75cm in a 5cm grid can be formed. Height extension can be accomplished by means of vertical stacking. Maximum height of a column set is 6m, with one staking joint.

High load-bearing capacity:

- 60 kN/m² pressure of fresh concrete.
- Can be vertically stacked up to 6.00m with use of one joint.
- High quality film faced plywood with thickness of 15mm. Film weight 240g/m2

Cost-effective

- Manhandled formwork panels minimize use of a crane.
- High number of use cycles means lower follow-up expenses.
- Reduction of expenses by means of restoration and cleaning possibilities.
- Galvanized or powder-coated steel frames, for long service life.
- High quality of concrete surface minimize finishing work.
- Reduction of cost by using panels which are already used on site.
- Maximum utilization by means of using versatile panels for forming stop-ends, corners, wall junctions etc.

Easy handling and planning

- Alltheconnectorsandaccessoriesareeasily fixed into the slots and quickly tighten, consequently forming time is efficient and maximized.

Safe use

- Accessories such as — wall brackets, lifting hooks, supporting struts etc. make for save and easier handling of the system.

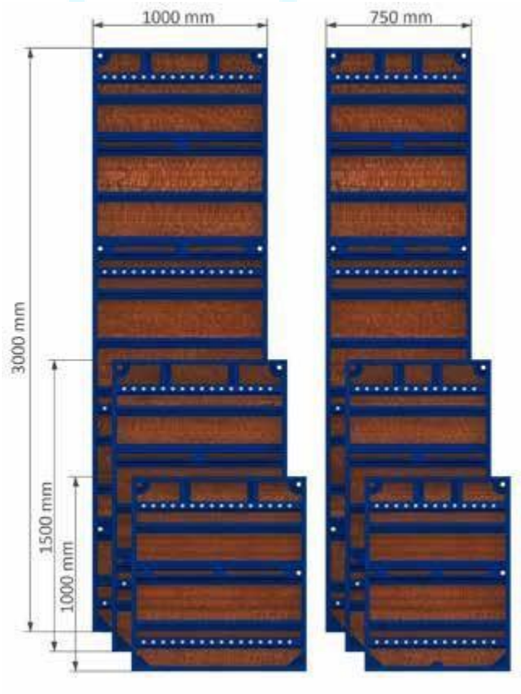
COLUMN FORMWORK

COLUMN FORMWORK

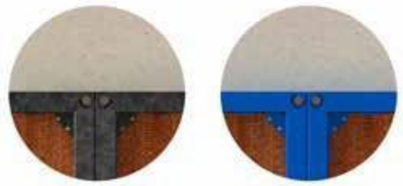
VARIMID versatile panels

VERSATILE PANELS

The special hole pattern makes these panels particularly suitable for efficient forming of:
- Corners
- Wall junctions
- Stop-ends
- Columns



For any type and size of the panel two options of covering are available.



Galvanized Powder-coated

Versatile panels connection

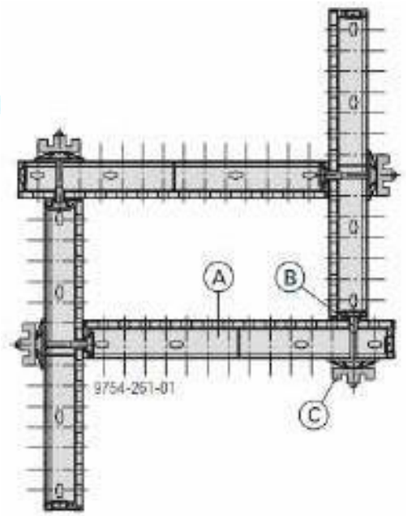
VERSATILE PANEL CONNECTION

For panel connection only one type of connectors is used, implemented by means of SALESBRIDGES Connection screw 10-16 and Supper plate, which simplify and speed up the processes of pre- assembly, forming and stripping.

Connection screw 10-16

Supper plate

Possible cross-sections in a 5 cm increment grid



Using versatile panel 75cm—cross-section up to 60x60cm in a 5cm grid can be formed.
Using versatile panel 90cm—cross-section up to 75x75cm in a 5cm grid can be formed.

Column formwork HANDI

Framed super-lightweight formwork for column forming.

The Handi is super-lightweight framed formwork, which has been specifically designed for quick and cost-effective construction. Owing to its super-lightweight panels, the system can be easily handled and assembled by hand. Consequentially, for column forming, the Handi system ideally suited in projects where a large number of square and rectangular columns, with variable cross-sections, need to be formed with limited use of crane and difficulties applying of heavier framed formwork systems (such as Varimax or Vrimind systems). To form a column section, versatile panels of the Handi system are used. Using versatile panel 60cm width, column cross-section up to 50x50cm can be formed in a 5cm grid. Using versatile panel 90cm width, column cross-section up to 80x80cm can be formed in a 5cm grid (it is recommended not increasing cross-section sizes 60x60cm, due to high level of pressure of fresh concrete).

Load-bearing capacity:

- 35 kN/m² pressure of fresh concrete
- High quality film faced plywood with thickness of 15mm. Film weight 240g/m2

Cost-effective

- Universal application of the Handi system will give you an opportunity to use one system for variety of different tasks.
- Reduction of expenses due to minimizing of crane usage.
- High number of use cycles means lower follow-up expenses.
- Reduction of expenses by means of restoration and cleaning possibilities.
- Galvanized or powder-coated steel frames, for long service life.
- High quality of concrete surface minimizes finishing work.
- Reduction of expenses by using panels which are already used on site.
- Maximum utilization by means of using versatile panels for forming stop-ends, corners, wall junctions etc.

Easy to use

- All the connectors and accessories are easily fixed into the slots and quickly tighten, consequently forming time is efficient and maximized.
- Ergonomic of the system ensures fast and save assembly.

Safe use

- Accessories such as — wall brackets, lifting hooks, supporting struts etc. make for save and easier handling of the system.

HANDI versatile panels

VERSATILE PANELS

The special hole pattern makes these panels particularly suitable for efficient forming of:

- Corners
- Wall junctions
- Columns

For any type and size of the panel two options of covering are available.

Galvanized Powder-coated

Versatile panelsconnection

For panel connection only one type of connectors is used, implemented by means of SALESBRIDGES Connection screw 5-10 and Supper plate, which simplify and speed up the processes of pre- assembly, forming and stripping.

Connection screw 10-16

Useofversatile panels 90cm

Use of versatile panels 60cm

COLUMN FORMWORK

Column formwork VERTEX 60

Formwork system for forming columns of any size and shape.

Owing to the system's flexibility, column formwork VERTEX 60 allows to form columns and pillars of different types, shapes and sizes of cross-section. Maximum height of the formwork set is 12m , which can be achieved by means of vertical stacking. Depending on distances between walings and H20 beams, VERTEX 60 can be easily adapted to any requirements and loads. Maximum pressure of fresh concrete 80kN/m2 is permitted. In order to maximize utility, column formwork sets of VERTEX 60 are designed and pre-assembled for a particular project and purpose (shape and size of column cross-section as well as the height). No tie-rods in column cross-section up to 120x120 are required. Erection of the column formwork Vertex 60 is carried out quickly, reliably and cost effectively.

Adaptable load-bearing capacity:

• Due to its adaptability Vertex 60 canbe assembled and customized to withstand almost any pressure of fresh concrete up to 80kN/m2

Cost-effective

• Idea for forming large number of columns economically. For fast operation it is recommended to use one set of pre-assembled formwork for a particular cross-section size.

• Pre-assembled sets can be used to maximize utility and optimize forming time.

• High number of use cycles means lower follow-up expenses.

• High quality of concrete surface minimizes finishing work.

• Project-specific adaptation possible, as it can be faced with any type of form-ply.

Easy handling and planning

• Alltheconnectorsandaccessoriesareeasily fixed into the slots and quickly tighten, consequently forming time is efficient and maximized.

• Load-bearing capacity of the system can be adjusted by means of H20 beams and steel walings.

• Any requirements for architectural concrete design and shape of the column cross-section can be met, due to the system adaptability.

Safe use

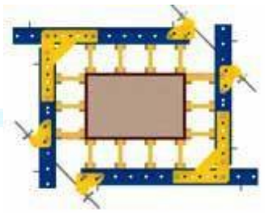
• Accessories such as — wall brackets, lifting hooks, supporting struts. make for save and easier handling of the system.

COLUMN FORMWORK

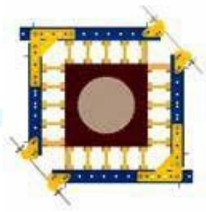
Column formwork VERTEX 60 design and pre-assembly

Depending on how walings are arranged and the distance between H20 beams, a maximum fresh concrete pressure of 80kN/m2 is permitted.

All column cross-sections up to 120x120 can be assembled using standard equipment and notie-rods are required. As well as rectangular, circular and columns with cross-section of special shape can be encased.



Rectangular column formwork



Circular column formwork

Column formwork VERTEX 60 elements of connection

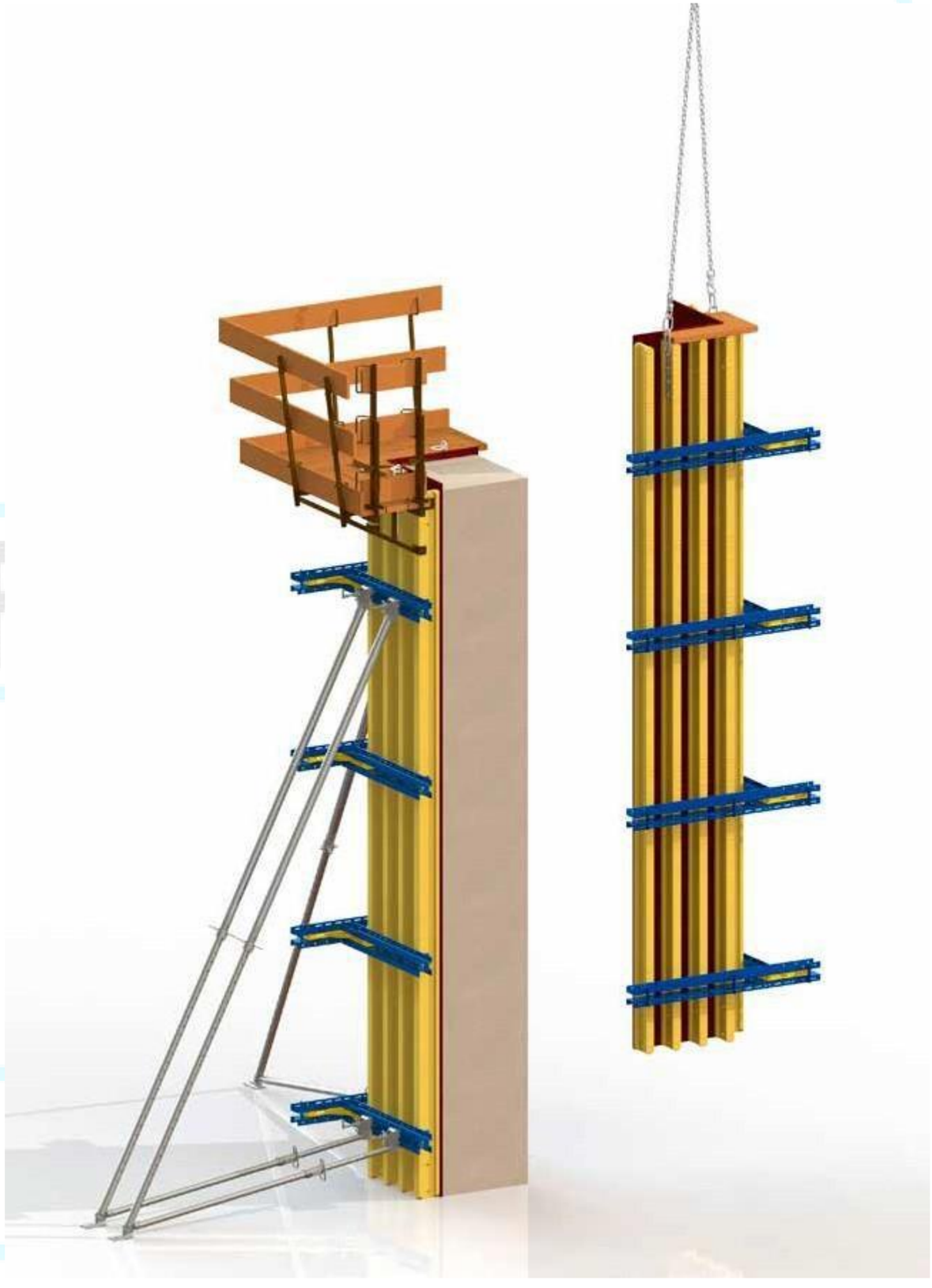
The **Corner connection plate** connects the walings rigidly and precisely in a preassembled half (gang-form) of the formwork set across the corner.

To connect two halves (gang-forms) of the column set together the Universal angle tie brackets are used, which are tighten and fixed by means of tie-rods andwing nuts. The Universal angletiebracket enables the walings to be diagonally tension-braced andmakeforming andstriking mucheasier and faster.

Universal angletie bracket

Corner connection plate

VERTEX 60 column formwork



COLUMN FORMWORK