

# Slab formwork VARIFLEX

Flexible system for fast and cost-effective forming of concrete slabs.

VARIFLEX by Salesbridges is a conventional prop formwork system for flat slabs forming and shoring. Having only 5 main components, the system is fast and easily assembled, consequently operational time and labor costs are optimized. VARIFLEX adapts to any slab applications due to beams overlap and the fact that the props can be placed anywhere along the main beam. Simply by changing 3 variables (distance between main rows, distance between props in the main row and distance between secondary beams), the system can be applied to any load.

## Load-bearing capacity :

- Due to its load-bearing flexibility, VARIFLEX can be adapted to withstand loads of fresh concrete of different kinds of slab thicknesses. Optimal and cost-effective use within the range of slab thicknesses up to 500mm.
- Maximum formwork height—6.0m

## Cost-effective:

- Fewer parts speed up assembly.
- Assembly, stripping and disassembly by hand.
- High number of use cycles means lower follow-up expenses.
- Reduction of expenses by means of system adaptability.
- Galvanized or powder coated elements, for long service life.

## System adaptability:

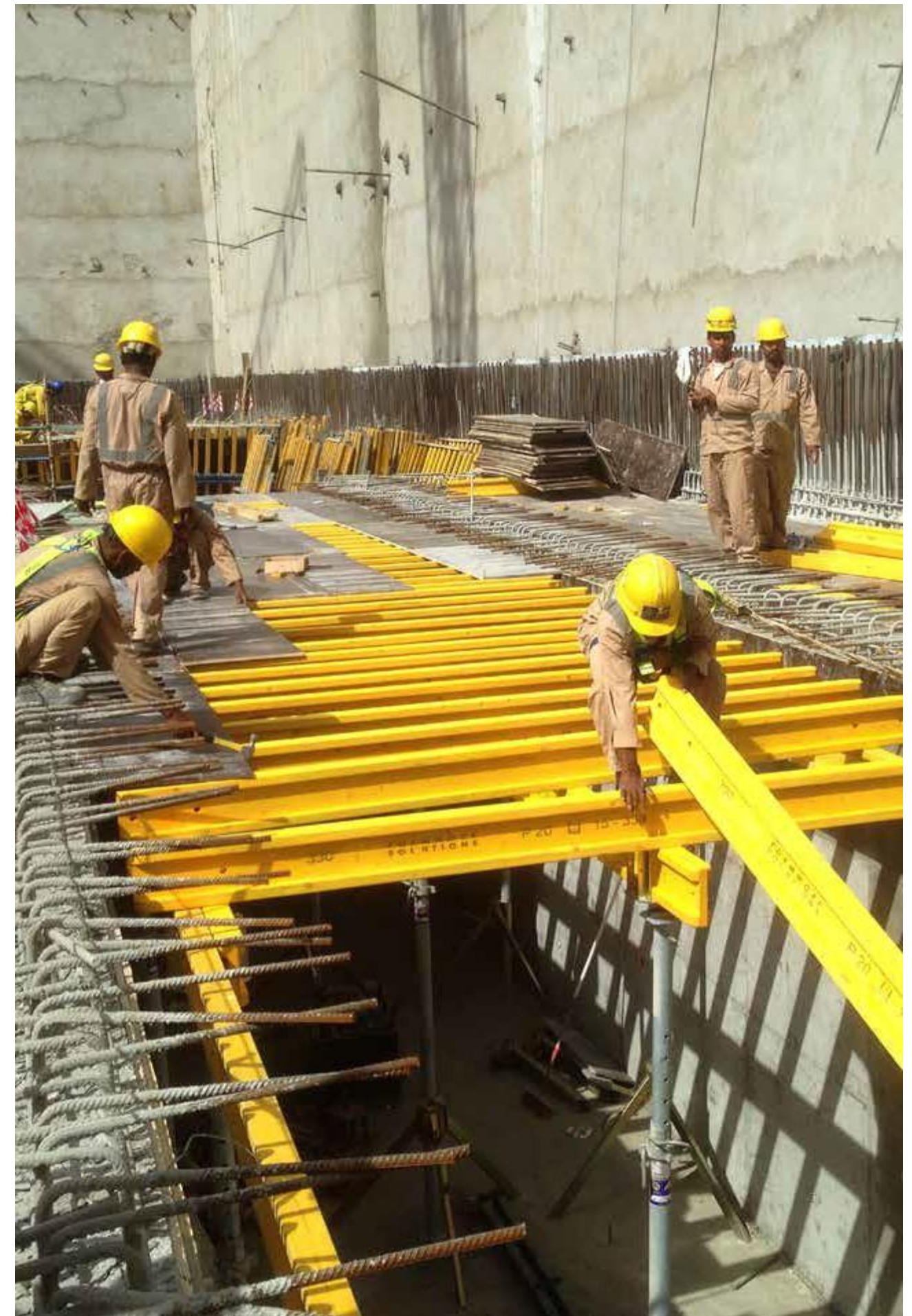
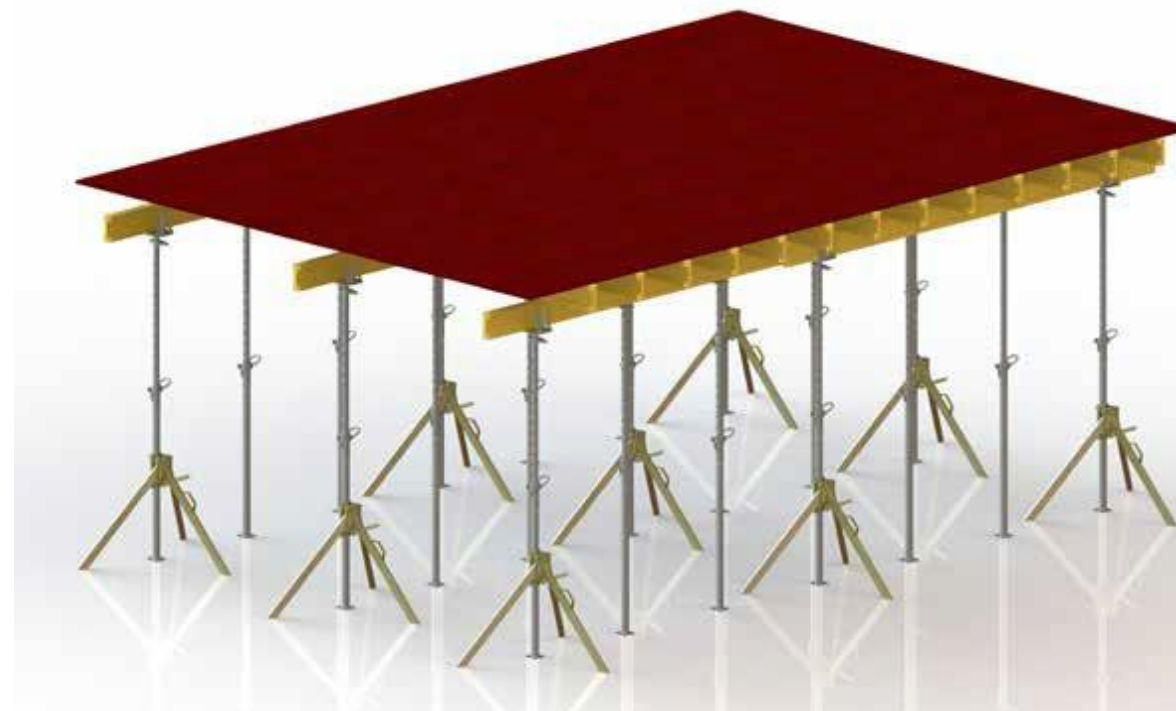
- Easily adapts to different and varying layouts, especially in case of irregular geometrics, specific load cases, different slab thicknesses.

## Easy handling and planning:

- All the connectors and accessories are easily fixed into the slots and quickly tighten, consequently forming time is efficient and maximized.
- Any requirements for architectural concrete flat slab design can be met.

## Safe use:

- Accessories such as — handrail makes for save and easier handling of the system.
- Safe working already during assembly.



## VARIFLEX— system overview

The key benefit of Variflex is its easy adaptation to different and varying layouts. Owing to relatively low material costs, Variflex allows for cost-effective solutions even for several concrete pours.

- Fewer parts speed up assembly
- Assembly and stripping by hand without crane
- Adaptation to all kind of slab thicknesses and layouts
- Free choice of facing
- Free choice of Salesbridges props



### (A) Facing

Any kind of facing can be used from conventional plywood and plastic panels to permanent formwork panels.

### (B) Wooden beams

Redistribute loads from fresh concrete on props.

### (C) Lowering head (Crown head)

Used in conjunction with supporting props as a main support of primary beams. Lowering head has integrated quick-lowering function for fast stripping.

### (D) Support head

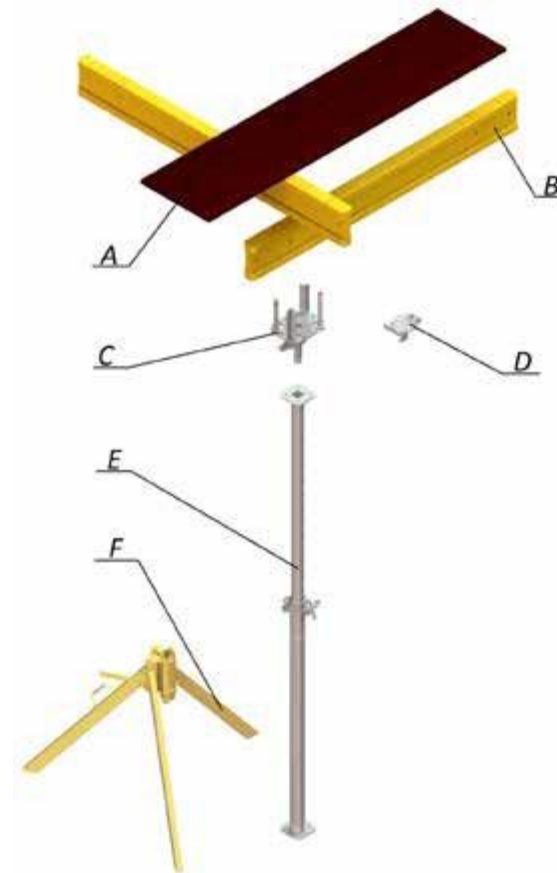
Is used for connecting intermediate props to the primary beams.

### (E) Supporting prop

Wide range of Salesbridges supporting props can be used with the system. The choice is to be made depending on loads, formwork height and working conditions.

### (F) Removable folding tripod

Is used for aligning and holding props upright during formwork assembly and stripping.

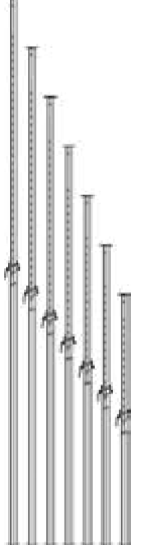
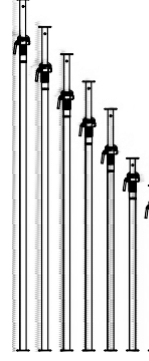
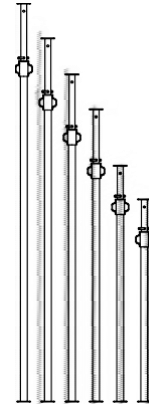


## VARIFLEX




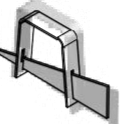
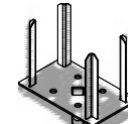
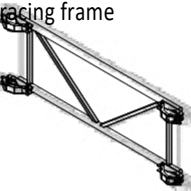
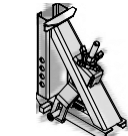

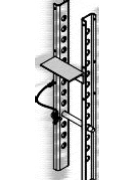
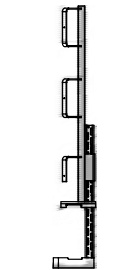




## VARIFLEX

Item	[kg]	Article no	Item	[kg]	Article no		
	1.50m	12,81	51 115 000	Light duty prop RBGE	2.50m	9,21	51 425 000
	2.50m	16,47	51 125 000	3.00m	10,45	51 430 000	
	3.00m	19,51	51 130 000	3.50m	11,57	51 435 000	
	3.50m	21,58	51 135 000	4.00m	12,81	51 440 000	
	4.00m	23,66	51 140 000	4.50m	14,00	51 445 000	
	4.50m	25,73	51 145 000				
	5.00m	27,81	51 150 000				
	5.50m	29,87	51 155 000				
			Tripod W	15,75	1019		
	2.50m	10,62	51 225 000	Tripod	7,22	1020	
	3.00m	11,98	51 230 000				
	3.50m	13,90	51 235 000				
	4.00m	15,26	51 240 000	Tripod light	6,11	1049	
	4.50m	16,62	51 245 000				
	5.00m	17,98	51 250 000				
	5.50m	19,33	51 255 000				
	2.50m	10,35	51 425 000	Lowering head	6,22	1024	
	3.00m	11,71	51 430 000				
	3.50m	12,90	51 435 000	Lowering head extra	10,18	1066	
	4.00m	14,23	51 440 000				
	4.50 m	15,60	51 445 000				
	5.00m	16,95	51 450 000				

## VARIFLEX

Item	[kg]	Article no	Item	[kg]	Article no	
Support head	0,77	1023	Handrail post	12,85	1059	
						
Crown head	3,09	1021	Bracing clamp	1,69	1065	
						
Crown head light	1,47	1050	Bracing frame	1,5m 1,8m	17,04 18,80	1091 1092
						
Beam forming support	7,77	1058	End-shutter support for slab	1,65	1093	
						
Extension for beam forming support	3,60	1057				
						
Guide rail clamp	11,71	1025				
						

## Table formwork VARITABLE

Efficient and cost-effective formwork system for carrying out large-area slab projects.

VARITABLE by Salesbridges is a fast and efficient way of forming large-area slabs. The system can be easily adjusted to varying structural and architectural designs (loads, shapes, concrete surface etc.) Once assembled, a complete table unit can be positioned, adjusted, stripped and repositioned to a new area of concrete placement minimal labor. The table can be shifted along the slab using Salesbridges's shifting trolley. In order to gain maximum efficiency, Varitable can be easily combined with VARITABLE PLUS and VARIFLEX systems.

### Load-bearing capacity :

- Due to its load-bearing flexibility, VARITABLE system can be adapted to bear loads of fresh concrete of different kinds of slab thicknesses. Optimal and cost-effective use within a range of slab thicknesses up to 500mm.
- Maximum table form height—6.0m

### System adaptability:

- Can easily be combined with VARITABLE PLUS and VARIFLEX systems.
- Any type of form-facing can be selected

### Easy handling and planning:

- Any requirements for architectural design of flat concrete slabs can be met.
- Can cover a wide area of practical applications.

### Cost-effective:

- Rapid pace of work and cutting of re-assembly costs, due to the repositioning of complete units.
- Table form can be horizontally repositioned with no use of a crane.
- Fewer parts speed up assembly.
- High number of use cycles means lower follow-up expenses.
- Reduction of expenses by means of system adaptability.
- Galvanized or powder coated props, for long service life.

### Safe use:

- Accessories such as — working platforms makes for save and easier handling of the system.
- Safe working already during assembly.



## VARITABLE— system overview

### Main features of the system:

- Assembled form components of the Variflex system
- 4 standard formats: 2.50x4.00m/2.50x5.00m/ 2.00x4.00m/ 2.00x5.00m
- Maximum slab height up to 6.00m
- Wedge-lock of the table head makes it easy to attach and detach props.
- Pre-assembled table grille for facing with any desired form-ply.

### Fitting intermediate props

Intermediate props are mainly required where the tables have to be adapted for greater slab thickness (increased slab loads). The main props of the table (at least 4 of them must always be attached with a table head).

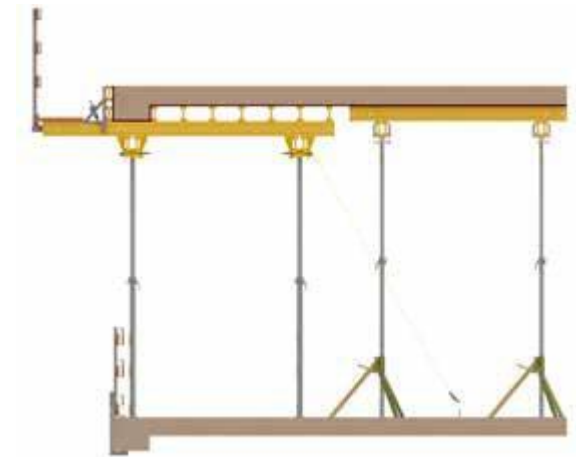


**Table head Varitable** firmly links double H20 primary beams of the table to the props.

**Intermediate head Varitable** firmly links the intermediate props to double H20 primary beams.



## VARITABLE— tables around the edge of a slab



Varitable system for edge zones of a slab can be assembled in a way, that casting of drop-beams or stop-ends can be provided much easier, with all features integrated in one system.

There is a risk of edge-tables topping over due to cantilevering platforms. Moreover, stop-end formwork and drop beams cause horizontal forces to occur in the direction of the edges of the slab. For this reason, all the edge tables must be secured with a suitable tie-back fixed to each primary beam.



## VARITABLE — table shifting and repositioning

## VARITABLE

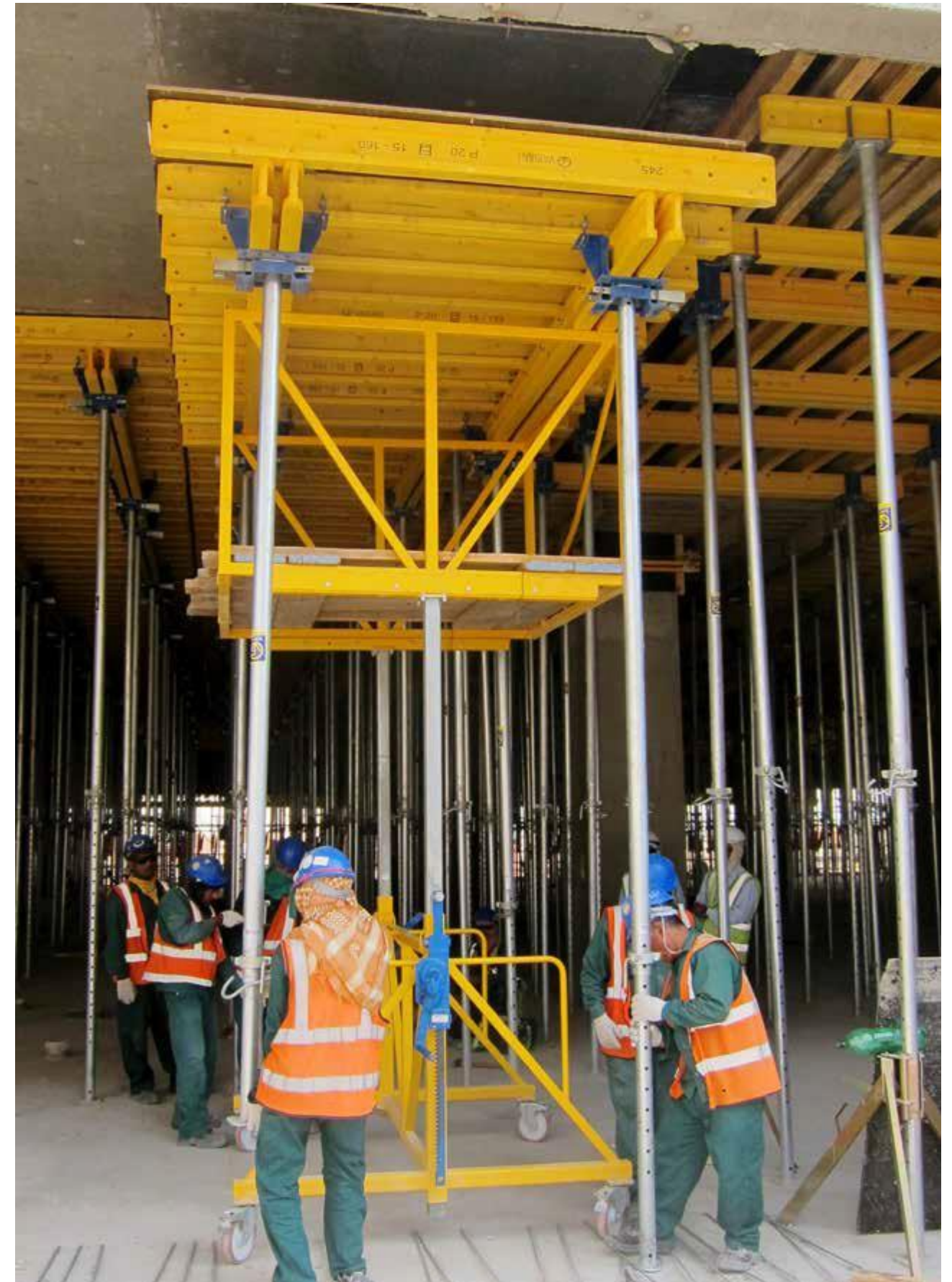
### Horizontal shifting

**Shifting trolley** is used for shifting the tableforms along the firm and flat surface in order to deliver them to an installation zone or to a zone for further vertical repositioning by a crane. Fine adjustment of the tableform in an installation zone without use of a crane can be made.



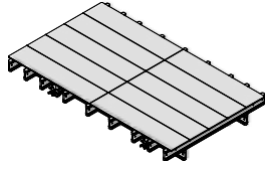

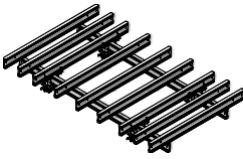
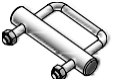
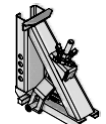
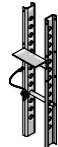
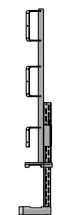
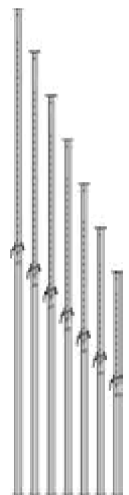

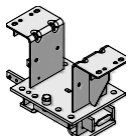


### Vertical repositioning

**Table fork** is used for vertical repositioning (from a bottom slab to an upper one) or other relocation of the tableform with use of a crane.


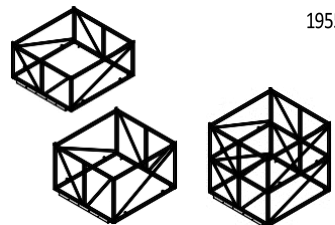

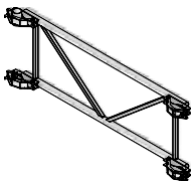
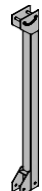

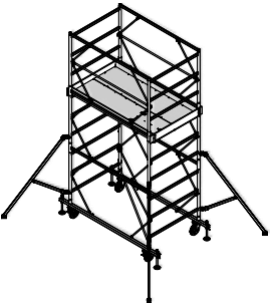




## VARITABLE

Item	[kg]	Article no	Item	[kg]	Article no
Formwork table			Beam screw	0,062	3037
			Beam screw 110	0,084	3038
					
Formwork table			Connection unit	0,96	1056
					
Support RBGU			Beam forming support	7,77	1058
1,50 m	12,81	1012			
2,50 m	16,47	1075			
3,00 m	19,51	1013	Extension for beam forming support	3,60	1057
3,50 m	21,50	1014			
4,00 m	23,66	1015			
4,50 m	25,73	1047	Guide rail clamp	11,71	1051
5,00 m	27,81	1076			
5,50 m	29,87	1017			
			Handrail post	12,85	1059
					
Varitable Swivel head	18,80	1055	Rafter plate	0,09	1082
					
Varitable Swivel head	3,31	1089			
					

## VARITABLE

Item	[kg]	Article no	Item	[kg]	Article no	
Shifting trolley			Stacking frame			
	2,85 m	257,67	1067	1955x1860x900	120,75	1086
	3,60 m	274,47	1068	1955x1860x1200	131,56	1087
				1955x1860x1800	196,18	1088
						
Transport fork 1T			Bracing frame			
	0,93 m	545,16	1069	1,5m	17,04	1091
	1,31 m	576,32	1083	1,8m	18,80	1092
	2,03 m	602,00	1084			
						
Vertical extension						
		185,60	1085			
Lifting hook						
		6,17	1090			
Mobile scaffolding						
		203,70				

## Table formwork VARITABLE PLUS

Even more efficient and cost-effective formwork system for carrying out casting of large-area slabs

VARITABLE PLUS by Salesbridges is a fast and efficient way of forming large-area slabs. The system can be easily adjusted to varying structural and architectural designs (loads, shapes, concrete surfaces etc.) Once assembled, a complete table unit can be positioned, adjusted, stripped and repositioned to a new area of concrete placement using minimal labor. The table can be shifted along the slab using Salesbridges's shifting trolley. In order to gain maximum efficiency, VARITABLE PLUS can be easily combined with VARITABLE and VARIFLEX systems.

Consisting of high-grate system components, Waling 12 (as main beams) and H20 beams (as secondary beams) VARITABLE PLUS system has several distinctive features, compared with VARITABLE System:

- Higher load bearing capacity;
- Faster and simpler assembly;
- Integrable working platforms;
- System solutions for forming drop beams and stop-ends;
- Swivel-heads make it easy to move the tables out overparapets.

### Load-bearing capacity:

- Due to its load-bearing flexibility, VARITABLE system can be adapted to withstand loads of fresh concrete of different kinds of slab thicknesses. Optimal and cost-effective use within a range of slab thicknesses up to 500mm.
- Maximum table form height—6.0m

### System adaptability:

- Can easily be combined with VARITABLE and VARIFLEX systems.
- Any type of form-facing can be selected

### Cost-effective:

- Rapid pace of work and cutting of assembly costs, due to the repositioning of complete units.
- Outer drop beam and slab can be formed using one system.
- Table form can be horizontally repositioned without use of a crane.
- Fewer parts speed up assembly.
- High number of use cycles means lower follow-up expenses.
- Reduction of expenses by means of system adaptability.

### Easy handling and planning:

- Any requirements for architectural concrete flat slab design can be met.
- Can cover a wide area of practical applications.

### Safe use:

- Integrated working platforms for save and easier handling of the system.
- Safe working already during assembly.





## VARITABLE PLUS— system overview

### Main features of the system:

- Higher load bearing capacity comparing to Varitable system
- Consisting of high-grate system components: Waling 12 (as main beams) and H20 beams (as secondary beams)
- 4 standard formats: 2.50x4.00m/ 2.50x5.00m/ 2.00x4.00m/ 2.00x5.00m
- Maximum slab height up to 6.00m
- The tilting mechanism of the swivel head enables to fold and fix props at an angle of either 75 or 90 for lifting tables out across parapets and railings.
- The swivel head is easy to relocate along primary beam
- Wedge-lock of the swivel head makes it easy to attach and detach props
- Pre-assembled table grille for facing with any desired formply.



### Fitting intermediate props

Intermediate props are mainly required where the tables have to be adapted for greater slab thickness (increased slab loads). The main props of the table (at least 4 of them must always be attached with a table head).



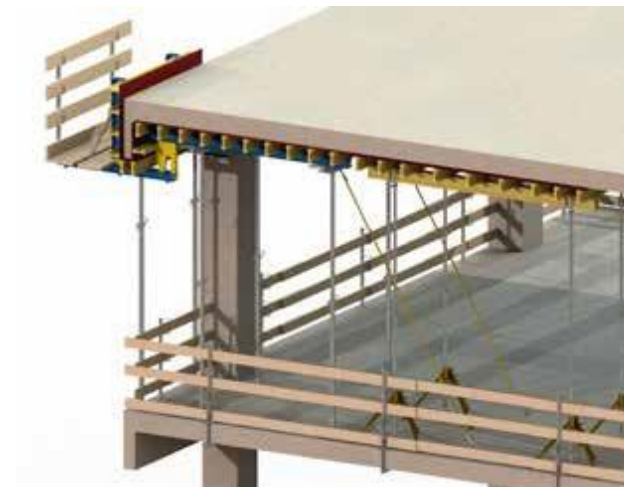
**Swivel head Varitable plus** firmly links steel primary beams of the table to the props.



**Intermediate head Varitable plus** firmly links the intermediate props to steel primary beams.



## VARITABLE PLUS— tables around the edge of a slab



Varitable plus system for edge zones of a slab can be assembled in a way, that casting of drop-beams or stop-ends can be provided much easier, with all features integrated in one system.

There is a risk of edge-tables topping over due to cantilevering platforms. Moreover, stop-end formwork and drop beams cause horizontal forces to occur in the direction of the edges of the slab. For this reason, all the edge tables must be secured with a suitable tie-back fixed to each primary beam.



## VARITABLE — table shifting and repositioning

### Horizontal shifting

**Shifting trolley** is used for shifting of the table-forms along the firm and flat surface in order to deliver them to an installation zone or to a zone for further vertical repositioning by a crane. Fine adjustment of the tableform in an installation zone without use of a crane can be made.

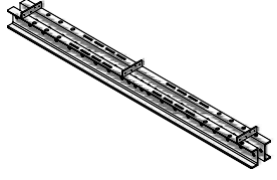

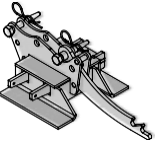
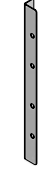
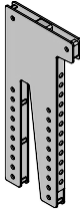
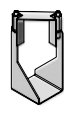
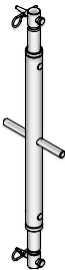

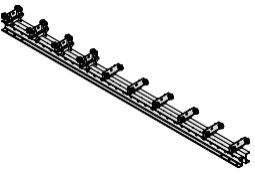



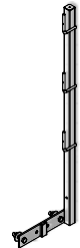


### Vertical repositioning

**Table fork** is used for vertical repositioning (from a bottom slab to an upper one) or other relocation of the tableform with use of a crane.



## VARITABLE PLUS

Item	[kg]	Article no	Item	[kg]	Article no
Waling 12 modified 2.0m	40,99	1097	Intermediate head Varitable plus	1,04	1102
					
Swivel head Varitable plus	16,27	1098	Connection angle Varitable plus	2,84	1101
					
Drop beam plate Varitable plus	30,46	1099	Extension clamp H20 Varitable plus	5,30	1104
					
Spindle strut T6 1.0-1.5	18,07	1100	Connection pin	0,39	1107
					
Waling 12 Varitable plus 3.5m	94,01	1105	Spring cotter	0,45	1107
					
Extension profile H20 Varitable plus	44,70	1106	Flange clamp	1,10	1107
					
			Handrail post	12,85	1059
					

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