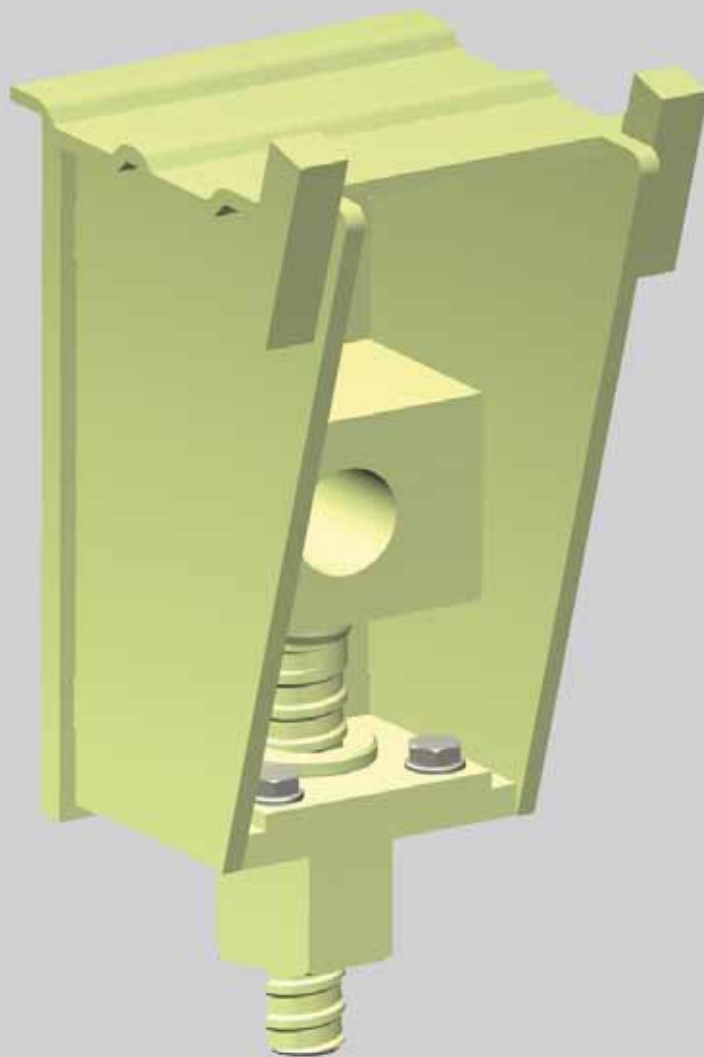


Support bracket LOGO adjustable

Technical Information



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- Supports the formwork for climbing parts at places where no platforms can be installed.
- Possibility to fix the formwork with the wedge clamp to prevent lifting.
- Adjustable in height up to 5.3 cm

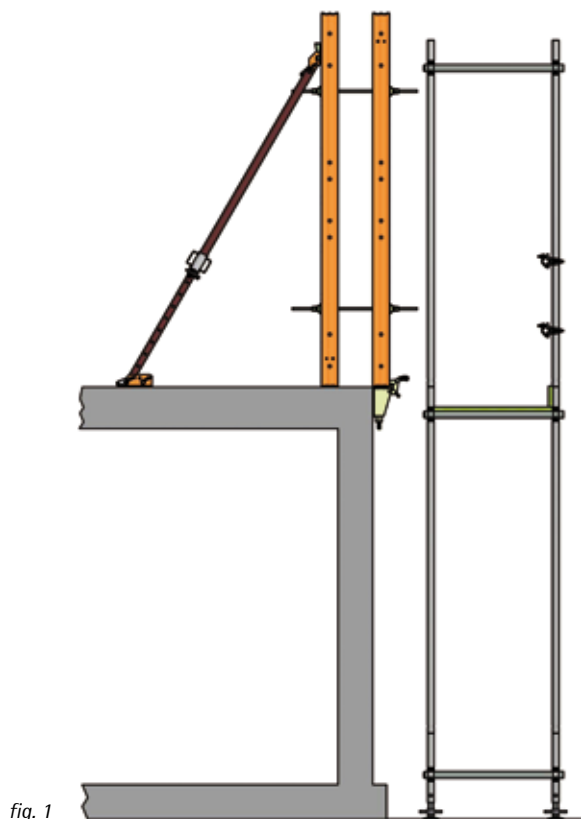


fig. 1

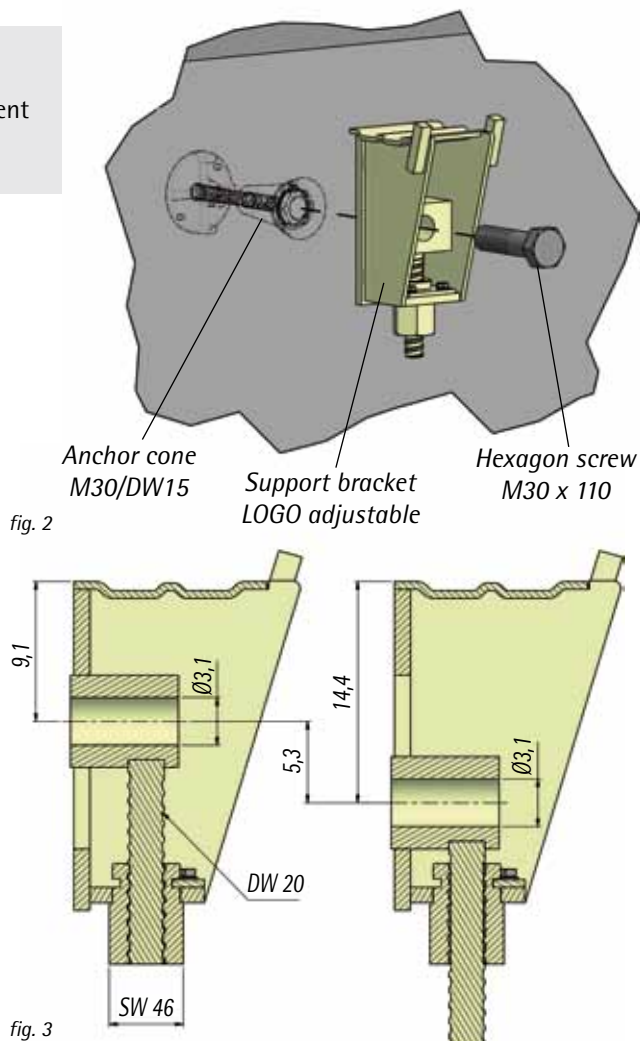


fig. 2

fig. 3

Determination of admissible widths of influence of the support brackets in relation to the wind load and formwork dead load for supporting the outer formwork

Particular conditions

- Fixing of adjustable props at the upper edge of formwork.
- Wind loads for Germany, inland wind zone 2.
- Loads for adjustable props and support brackets are based on similar widths of influence.
- Concrete strength $f_{ck, cube} \geq 15 \text{ N/mm}^2$ at the time of load application.
- Formwork panels not standing on a support bracket should at least be bolted to the adjacent panels with one locking screw.
- All values are characteristic values.

max. load on adjustable prop F_{RS} [kN]: 8,5
max. vertical load on support bracket V_K [kN]: 13,7
max. horizontal load on support bracket Z_K [kN]: 23,4

max. loads for
widths of influence
on page 3

- As long as the inner formwork is placed first and fixed with adjustable props, see fig. 1, the same tabular values can be used.

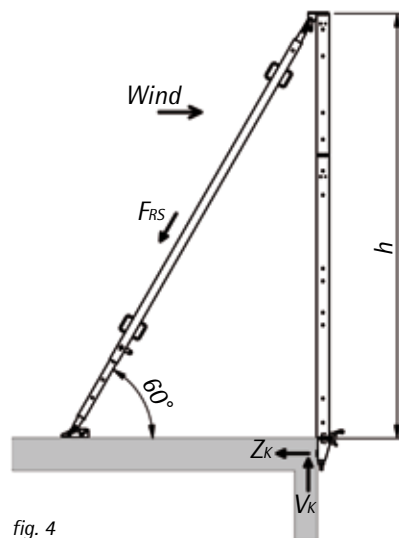


fig. 4

2 Support bracket LOGO adjustable

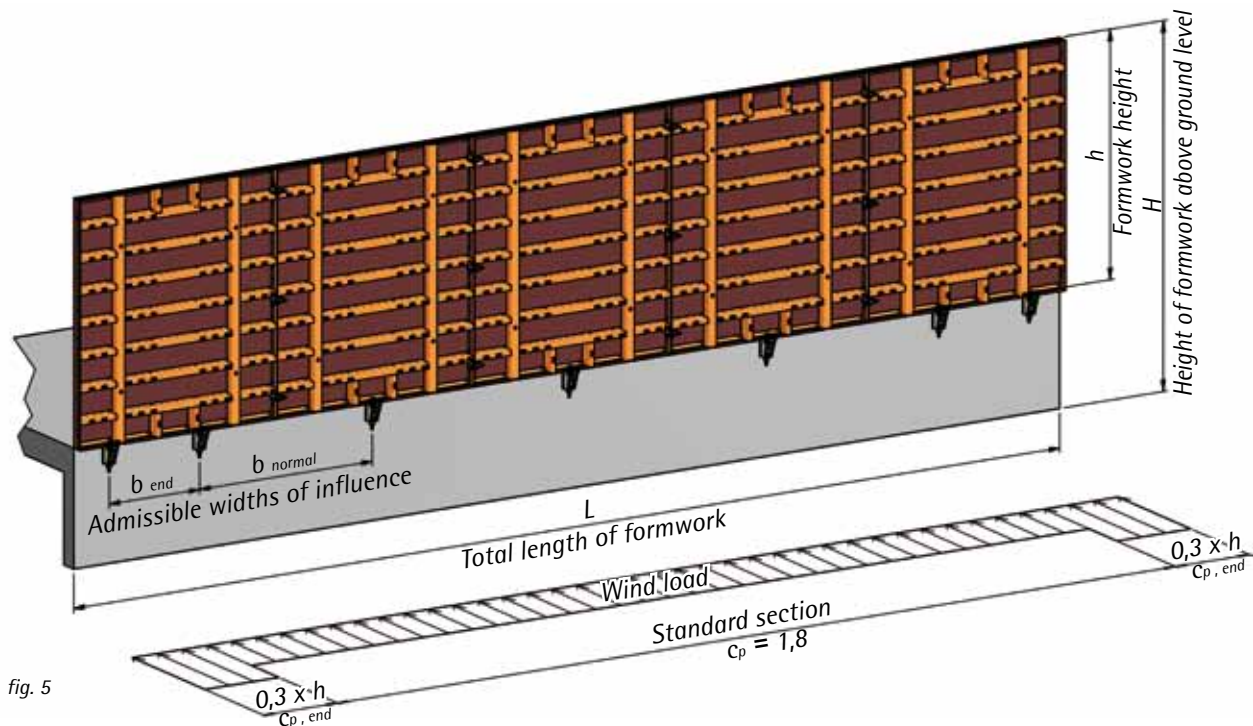


fig. 5

For the formwork's standard section, the admissible widths of influence can be found in table 1 in relation to the formwork height h and the height of the formwork above ground level H .

The calculation for the border section, $0,3 \times h$, is similar except for higher wind loads and/or c_p coefficients. These can be calculated from the ratio of the total length of the formwork L and the formwork height h , table 2 to table 4.

Admissible widths of influence (m)

Standard section:

Table 1 $c_p = 1,8$

Formwork height h [m]		2,70	3,40	3,75	4,05	4,80	5,40
Height of formwork above ground level H	7m	4,20	3,34	3,03	2,80	2,36	2,10
	10m	3,83	3,05	2,76	2,56	2,15	1,92
	20m	3,15	2,50	2,27	2,10	1,77	1,57
	30m	2,79	2,22	2,01	1,86	1,57	1,39

Border section:

Intermediate values can be interpolated

Table 2 for $L/h < 3$ and $c_p = 2,3$

Formwork height h [m]		2,70	3,40	3,75	4,05	4,80	5,40
Height of formwork above ground level H	7m	3,50	2,78	2,52	2,33	1,97	1,75
	10m	3,18	2,52	2,29	2,12	1,79	1,59
	20m	2,58	2,05	1,86	1,72	1,45	1,29
	30m	2,25	1,78	1,62	1,51	1,27	1,13

Table 3 for $L/h = 5$ and $c_p = 2,9$

Formwork height h [m]		2,70	3,40	3,75	4,05	4,80	5,40
Height of formwork above ground level H	7m	2,92	2,32	2,10	1,95	1,64	1,46
	10m	2,63	2,09	1,90	1,76	1,48	1,32
	20m	1,99	1,57	1,43	1,33	1,12	0,99
	30m	1,60	1,27	1,15	1,07	0,90	0,80

Table 4 for $L/h > 10$ and $c_p = 3,4$

Formwork height h [m]		2,70	3,40	3,75	4,05	4,80	5,40
Height of formwork above ground level H	7m	2,56	2,04	1,85	1,71	1,44	1,28
	10m	2,31	1,83	1,66	1,54	1,30	1,15
	20m	1,58	1,25	1,14	1,06	0,89	0,79
	30m	1,29	1,02	0,93	0,86	0,72	0,64

Application for small concreting heights without lower tie points:

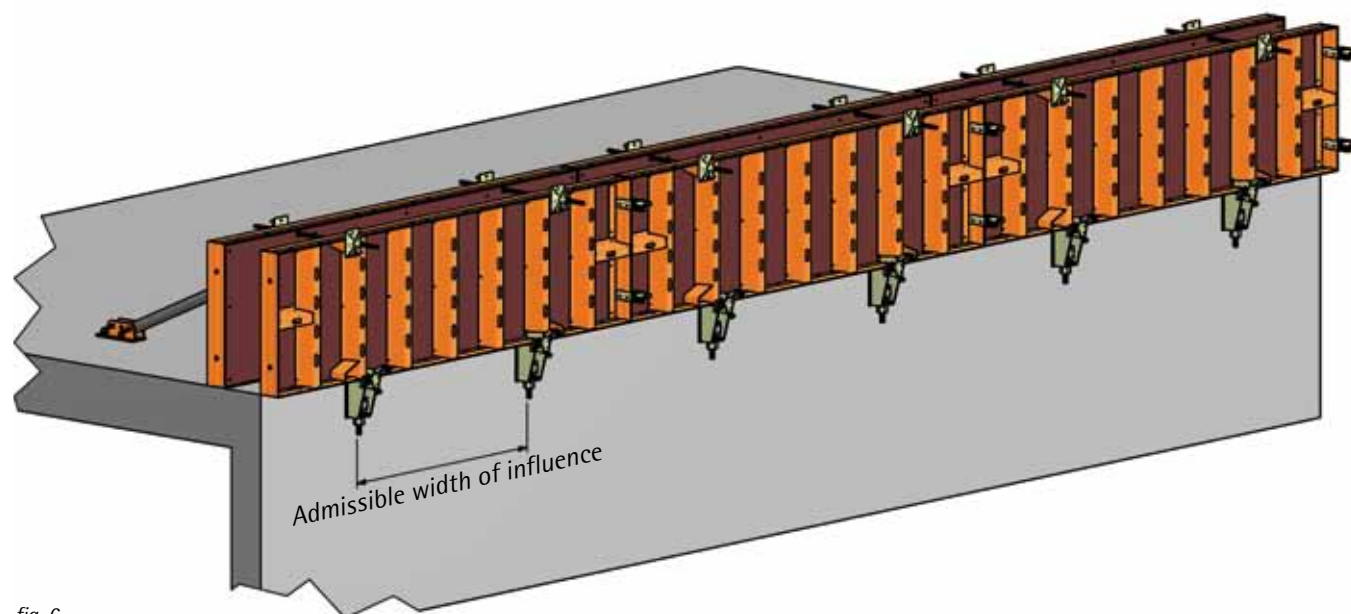


fig. 6

Particular conditions

- The inner formwork is mounted on the slab and adjusted.
- Wind loads are borne from the inner formwork.
- Concrete strength $f_{ck, cube} \geq 15 \text{ N/mm}^2$ at the time of load application.
- The formwork panels are connected to each support bracket with a wedge clamp.
- Formwork panels not standing on a support bracket should at least be bolted together with one locking screw.
- All values are characteristic values.

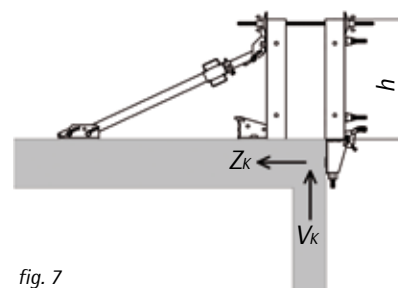


fig. 7

Admissible values:

Formwork height h [m]	0,60	0,75	0,90	1,35
Admissible widths of influence [m]	2,12	1,43	1,02	0,47
Max. vertical load on support bracket V_k [kN]	4,00	2,80	2,10	1,10
Max. horizontal load on support bracket Z_k [kN]	23,40	23,40	23,40	23,40

Table 5