



The System for
Stages, Galleries & more
certified acc. to DIN EN 13814

Set up rules & Set up schemes
nivtec - ingeniously simple!

Edition 3.0 - 2026

Part III. Stages & Stairways up to 200 cm stage height

**Part III. Stages & Stairways up to 200 cm stage height
Set up schemes - Directory:**

Set up rules	Stages > 140 - 200 cm	Stages > 140 - 200 cm	pages
Set up schemes	Stages > 140 - 200 cm		2-6
B0101.200	B0609.200		
	B0610.200		
B0607.200	B0611.200		
B0608.200	B0612.200		

Set up schemes	Stairways, 7-step to 9-step	Stairways, tier height 20 cm	pages
X2451.162	7-step		7-9
X2801.182	8-step		
X3151.202	9-step		

Legend

Stage	<u>width</u> <u>depth</u> <u>height</u>	
	B1008.079	< 80 cm
	.140	≥ 80 - 140 cm
	.200	>140 - 200 cm

Stairway	<u>depth</u> <u>width</u> <u>height</u> <u>tier height</u>	
	X0701.062	20 cm
	1	16,66 cm

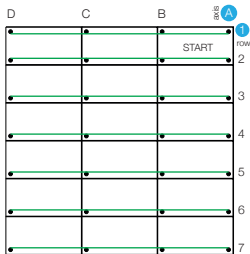
Set up rules in their most straight-forward version

Stages > 140 cm – 200 cm with horizontal bracing

(see detailed set-up schematics in chapter 3.3)

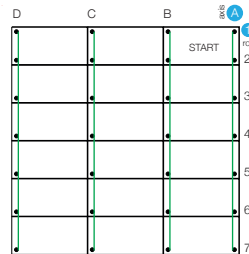
horizontal bracing – material required:

- Aluminium tube 48.3 x 4.00 mm, material EN AW-6005 A T6
- Layher standard coupler 48.3 mm
- Horizontal 2.100 mm, bay length 185 cm / 200 cm
- Horizontal 1.100 mm, bay length 85 cm / 100 cm



row horizontal braces:

must be installed in all rows without exception. No leg set in the depth may remain connection-free. 2 Layher standard couplers must be used per row horizontal 2.100 mm as well as 1.100 mm.



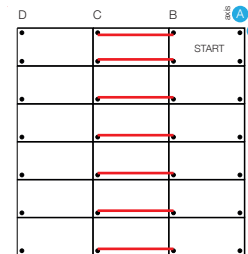
axis horizontal braces:

must be installed in all axes without exception. No leg set in the width may remain connection-free. 3 Layher standard couplers are to be used per horizontal 2.100 mm axis, but only 2 in case of a length of 1.100 mm.

and diagonal bracing for all leg variants

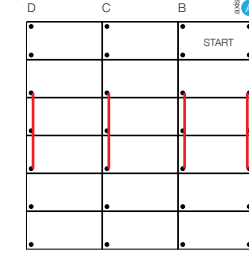
diagonal bracing – material required:

- The bracing material corresponds to that of the stages ≥ 80 cm – 140 cm: Aluminium tube and Layher swivel couplers. Only the lengths of the diagonal braces differ:
- Stage height > 140 cm – 180 cm: Diagonal brace 2.500 mm resp. 1.500 mm
- Stage height > 180 cm – 200 cm: Diagonal brace 2.750 mm resp. 1.750 mm



row diagonal braces

follow the familiar pattern. The only difference: They are used in every row, both outside and inside of cores. Only 1 bay may remain brace-free to the corners of the stage and a maximum of 2 bays may remain brace-free between the bracing axes if the stage is expanded.



axis diagonal braces

must be used on each axis.

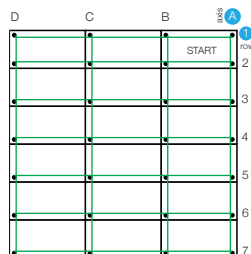
A maximum of 2 bays may remain brace-free to the corner of the stage and a maximum of 4 fields may remain brace-free between the bracing rows if the stage is expanded.

direction of diagonal braces

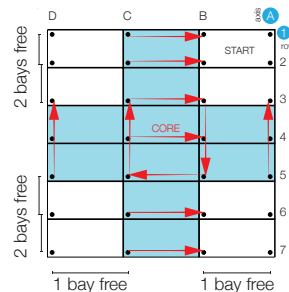
follows the familiar pattern of stages ≥ 80 cm – 140 cm. Additional diagonal braces outside as well as inside of cores always point in the direction of the starting platform.

sample stage 6 x 6 m

set up of horizontal bracing

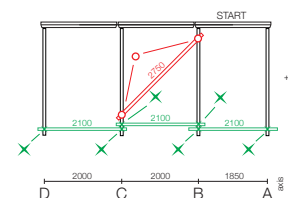


set up of diagonal bracing

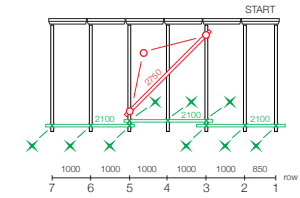


sample stage 6 x 6 m

set up of a row



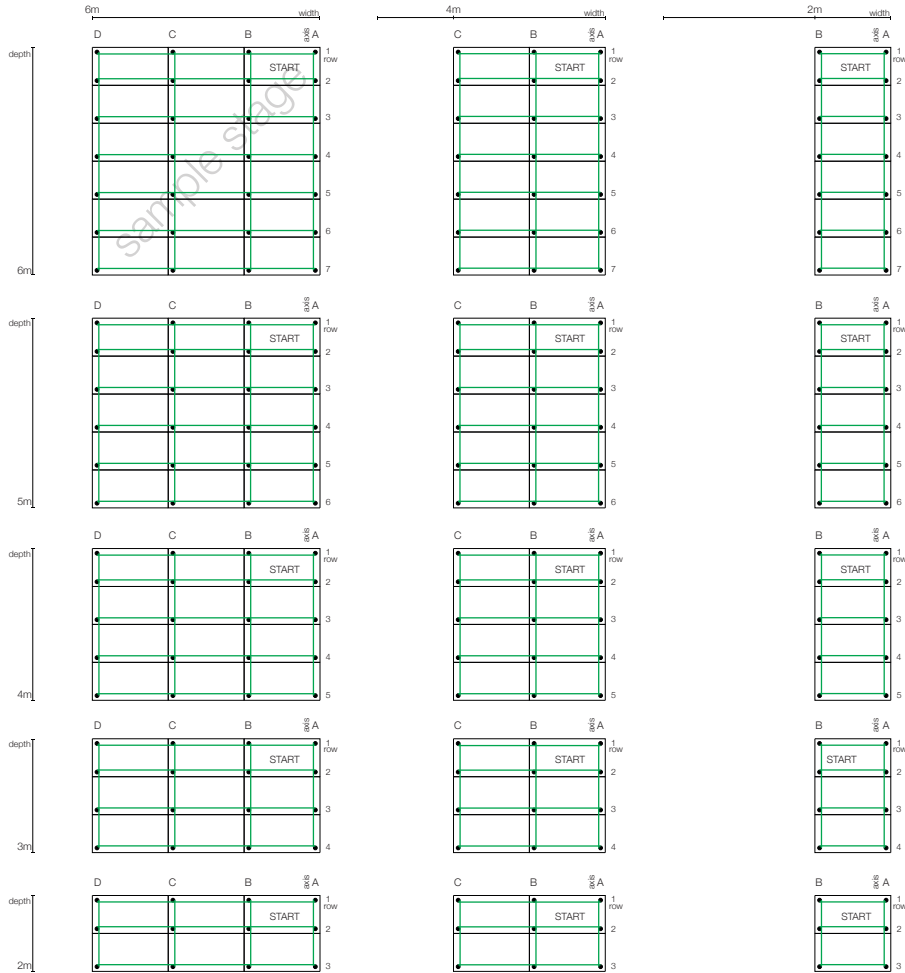
set up of a row



- × Layher standard coupler 48,3 mm
- Layher swivel coupler 48,3 mm

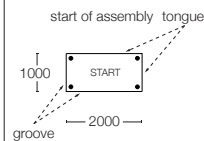
illustration of base construction of small stages < sample stage 6 x 6 m
heights > 140 -200 cm with **horizontal bracing**

set up scheme **B0101.200**
for all leg versions



horizontal bracing for the sample stage 6 x 6 m
21 x horizontal braces for rows 2100 mm x 2 standard couplers
12 x horizontal braces for axis 2100 mm x 3 standard couplers

page 1/2
= 42
= 36
78

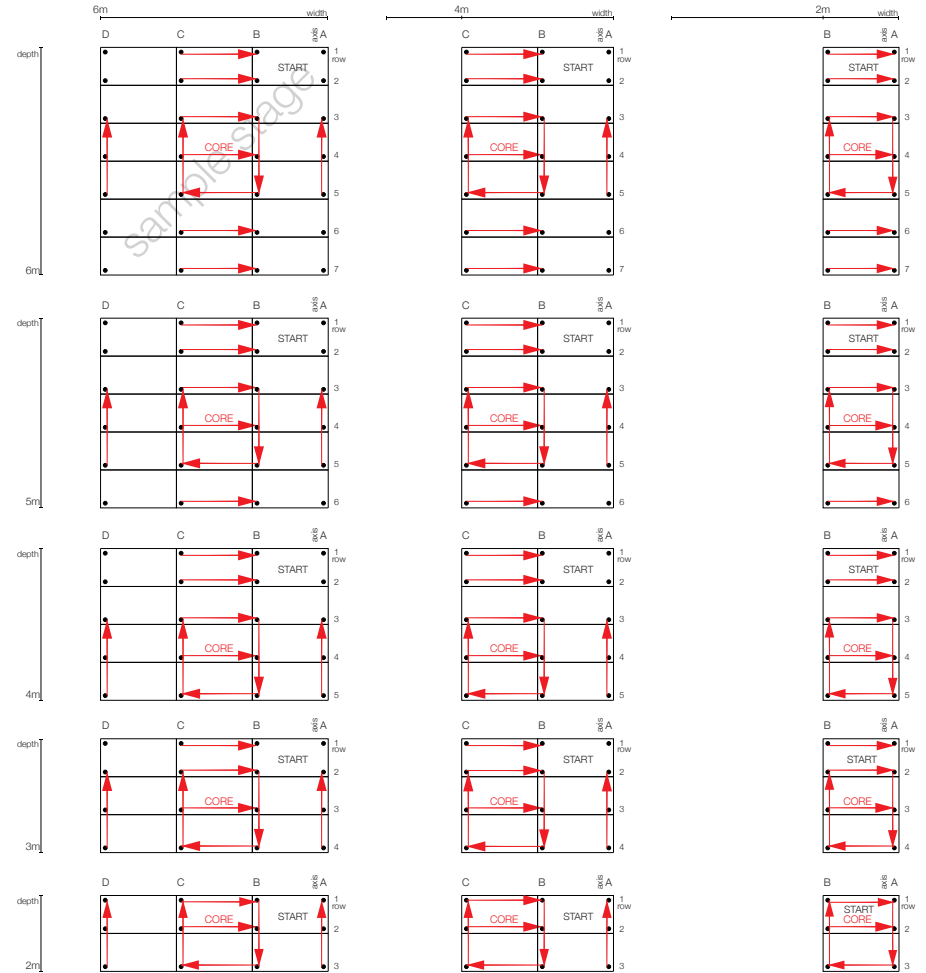


- leg position = 28 legs
- ✕ Layher standard coupler 48,3 mm = 78 pcs.

legs, horizontal and diagonal braces: alu tube 48,3 mm x 4 mm, material EN AW-6005 A T6

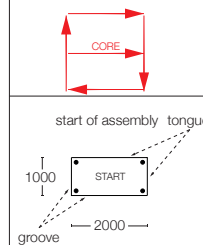
illustration of base construction of small stages < sample stage 6 x 6 m
heights > 140 -200 cm with **diagonal and horizontal bracing**

set up scheme **B0101.200**
for all leg versions



diagonal bracing for the sample stage 6 x 6 m
07 x diagonals for rows 2500 mm x 2 swivel couplers (H: >140 – 180 cm) = 14
2750 mm x 2 swivel couplers (H: >180 – 200 cm)
04 x diagonals for axis 2500 mm x 2 swivel couplers (H: >140 – 180 cm) = 8
2750 mm x 2 swivel couplers (H: >180 – 200 cm) = 8
22

page 2/2
= 14
= 8
22



diagonal braces mounted circumferentially from bottom to top clockwise

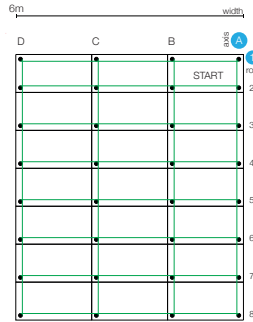
- leg position = 28 legs
- Layher swivel coupler 48,3 mm = 22 pcs.

legs, horizontal and diagonal braces: alu tube 48,3 mm x 4 mm, material EN AW-6005 A T6

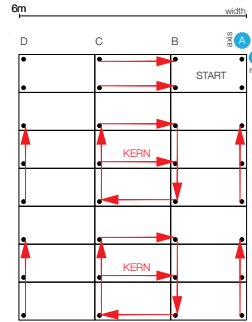
illustration of base construction of the stage 6 x 7 m
heights >140 - 200 with diagonal and horizontal bracing

set up scheme **B0607.200**

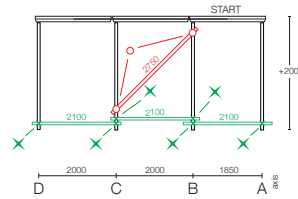
set up horizontal bracing



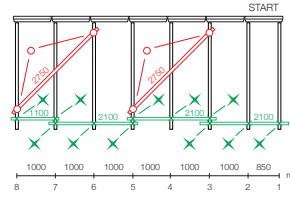
set up diagonal bracing



set up row 1



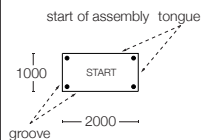
set up axis A



stage 6 x 7 m, heights > 140 – 200 cm, for all leg versions

	horizontal bracing	
	24 x horizontal braces for rows 2100 mm x 2 standard couplers	= 48
	12 x horizontal braces for axis 2100 mm x 3 standard couplers	= 36
	4 x horizontal braces for axis 2100 mm x 2 standard couplers	= 8
		92
	diagonal bracing	
	8 x diagonals for rows 2500 mm x 2 swivel couplers (H: > 140 – 180 cm)	= 16
	2750 mm x 2 swivel couplers (H: > 180 – 200 cm)	
	8 x diagonals for axis 2250 mm x 2 swivel couplers (H: > 140 – 180 cm)	= 16
	2750 mm x 2 swivel couplers (H: > 180 – 200 cm)	
		32

diagonal braces mounted circumferentially from bottom to top clockwise



- leg position = 32 legs
- ✕ Layher standard coupler 48,3 mm = 92 pcs.
- Layher swivel coupler 48,3 mm = 32 pcs.

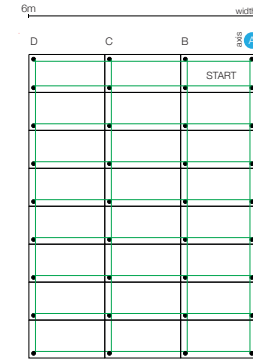
legs, horizontal and diagonal braces: alu tube 48,3 mm x 4 mm, material EN AW-6005 A T6



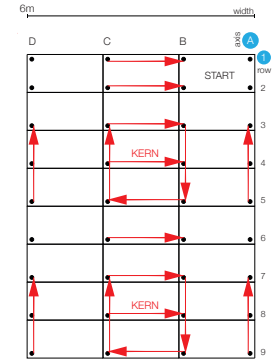
illustration of base construction of the stage 6 x 8 m
heights >140 - 200 with diagonal and horizontal bracing

set up scheme **B0608.200**

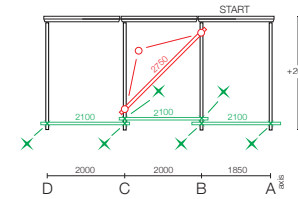
set up horizontal bracing



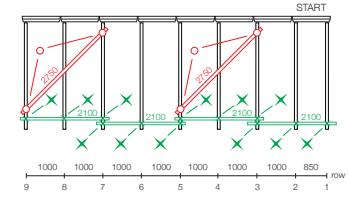
set up diagonal bracing



set up row 1



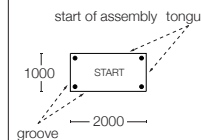
set up axis A



stage 6 x 8 m, heights > 140 – 200 cm, for all leg versions

	horizontal bracing	
	27 x horizontal braces for rows 2100 mm x 2 standard couplers	= 54
	16 x horizontal braces for axis 2100 mm x 3 standard couplers	= 48
		102
	diagonal bracing	
	9 x diagonals for rows 2500 mm x 2 swivel couplers (H: > 140 – 180 cm)	= 18
	2750 mm x 2 swivel couplers (H: > 180 – 200 cm)	
	8 x diagonals for axis 2250 mm x 2 swivel couplers (H: > 140 – 180 cm)	= 16
	2750 mm x 2 swivel couplers (H: > 180 – 200 cm)	
		34

diagonal braces mounted circumferentially from bottom to top clockwise



- leg position = 36 legs
- ✕ Layher standard coupler 48,3 mm = 102 pcs.
- Layher swivel coupler 48,3 mm = 34 pcs.

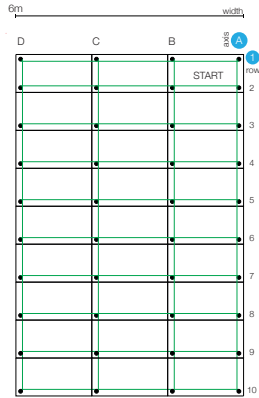
legs, horizontal and diagonal braces: alu tube 48,3 mm x 4 mm, material EN AW-6005 A T6



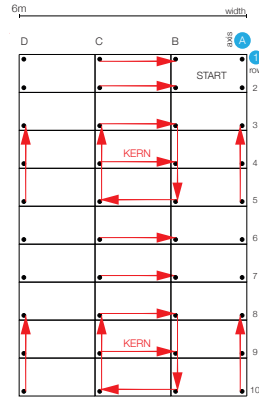
illustration of base construction of the stage 6 x 9 m
heights >140 - 200 with diagonal and horizontal bracing

set up scheme **B0609.200**

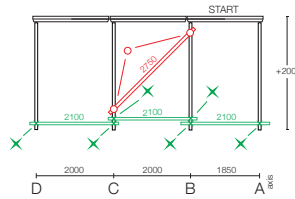
set up horizontal bracing



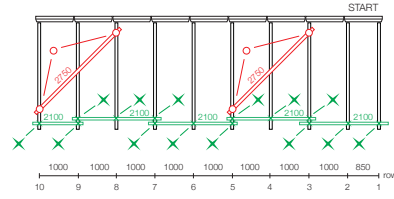
set up diagonal bracing



set up row 1



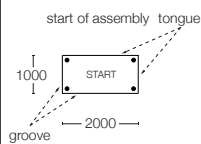
set up axis A



stage 6 x 9 m, heights > 140 – 200 cm, for all leg versions

	horizontal bracing	
	30 x horizontal braces for rows 2100 mm x 2 standard couplers	= 60
	16 x horizontal braces for axis 2100 mm x 3 standard couplers	= 48
	4 x horizontal braces for axis 2100 mm x 2 standard couplers	= 8
		116
	diagonal bracing	
	10 x diagonals for rows 2500 mm x 2 swivel couplers (H: > 140 – 180 cm)	= 20
	2750 mm x 2 swivel couplers (H: > 180 – 200 cm)	
	8 x diagonals for axis 2250 mm x 2 swivel couplers (H: > 140 – 180 cm)	= 16
	2750 mm x 2 swivel couplers (H: > 180 – 200 cm)	
		36

diagonal braces mounted circumferentially from bottom to top clockwise



- leg position = 40 legs
- ✕ Layher standard coupler 48,3 mm = 116 pcs.
- Layher swivel coupler 48,3 mm = 36 pcs.

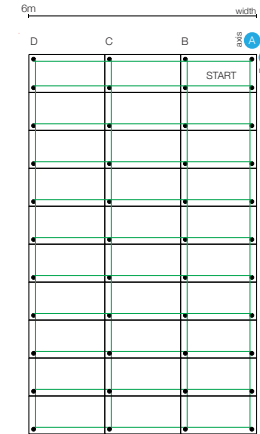
legs, horizontal and diagonal braces: alu tube 48,3 mm x 4 mm, material EN AW-6005 A T6



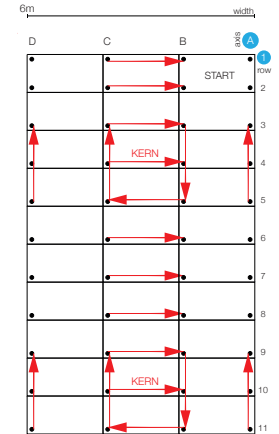
illustration of base construction of the stage 6 x 10 m
heights >140 - 200 with diagonal and horizontal bracing

set up scheme **B0610.200**

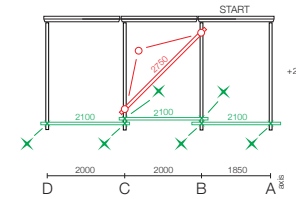
set up horizontal bracing



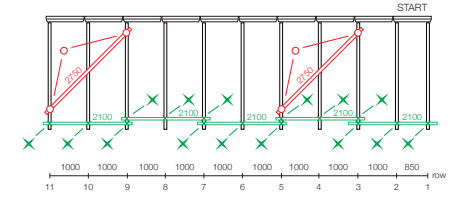
set up diagonal bracing



set up row 1



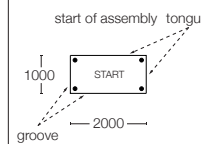
set up axis A



stage 6 x 10 m, heights > 140 – 200 cm, for all leg versions

	horizontal bracing	
	33 x horizontal braces for rows 2100 mm x 2 standard couplers	= 66
	20 x horizontal braces for axis 2100 mm x 3 standard couplers	= 60
		126
	diagonal bracing	
	11 x diagonals for rows 2500 mm x 2 swivel couplers (H: > 140 – 180 cm)	= 22
	2750 mm x 2 swivel couplers (H: > 180 – 200 cm)	
	8 x diagonals for axis 2250 mm x 2 swivel couplers (H: > 140 – 180 cm)	= 16
	2750 mm x 2 swivel couplers (H: > 180 – 200 cm)	
		38

diagonal braces mounted circumferentially from bottom to top clockwise



- leg position = 44 legs
- ✕ Layher standard coupler 48,3 mm = 126 pcs.
- Layher swivel coupler 48,3 mm = 38 pcs.

legs, horizontal and diagonal braces: alu tube 48,3 mm x 4 mm, material EN AW-6005 A T6

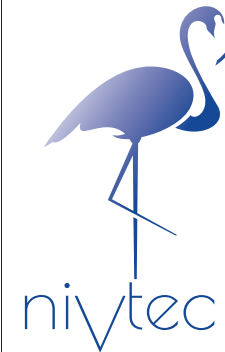
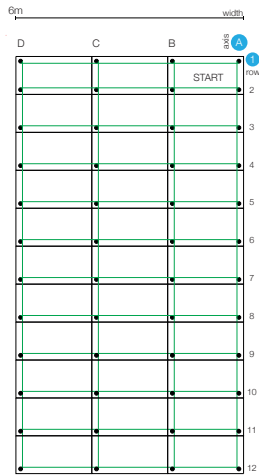


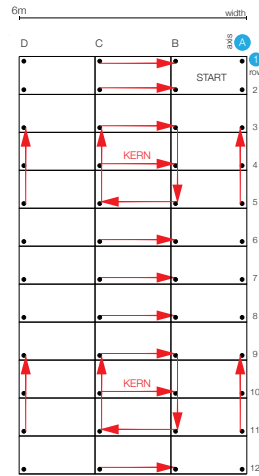
illustration of base construction of the stage 6 x 11 m
heights >140 - 200 with diagonal and horizontal bracing

set up scheme **B0611.200**

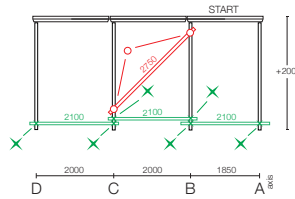
set up horizontal bracing



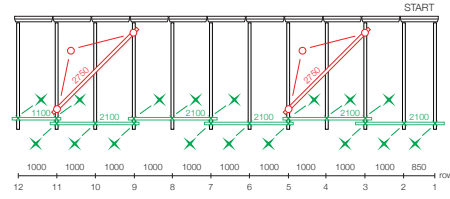
set up diagonal bracing



set up row 1

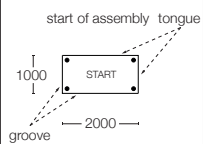


set up axis A



stage 6 x 11 m, heights > 140 – 200 cm, for all leg versions

- | | | |
|--|---|------------|
| | horizontal bracing | |
| | 36 x horizontal braces for rows 2100 mm x 2 standard couplers | = 72 |
| | 20 x horizontal braces for axis 2100 mm x 3 standard couplers | = 60 |
| | 4 x horizontal braces for axis 2100 mm x 2 standard couplers | = 8 |
| | | 140 |
| | diagonal bracing | |
| | 12 x diagonals for rows 2500 mm x 2 swivel couplers (H: > 140 – 180 cm) | = 24 |
| | 2750 mm x 2 swivel couplers (H: > 180 – 200 cm) | |
| | 8 x diagonals for axis 2250 mm x 2 swivel couplers (H: > 140 – 180 cm) | = 16 |
| | 2750 mm x 2 swivel couplers (H: > 180 – 200 cm) | |
| | | 40 |
| | diagonal braces mounted circumferentially from bottom to top clockwise | |



- leg position = 48 legs
- ✕ Layher standard coupler 48,3 mm = 140 pcs.
- Layher swivel coupler 48,3 mm = 40 pcs.

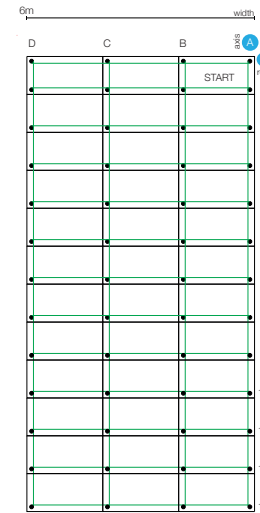
legs, horizontal and diagonal braces: alu tube 48,3 mm x 4 mm, material EN AW-6005 A T6



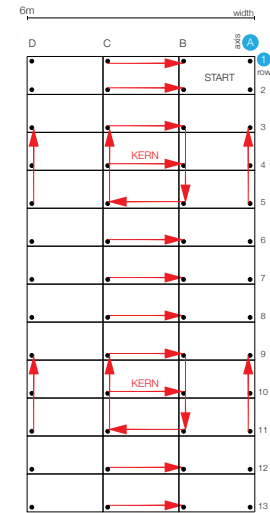
illustration of base construction of the stage 6 x 12 m
heights >140 - 200 with diagonal and horizontal bracing

set up scheme **B0612.200**

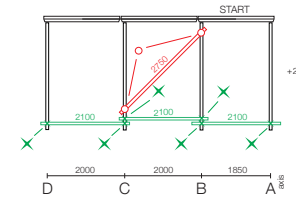
set up horizontal bracing



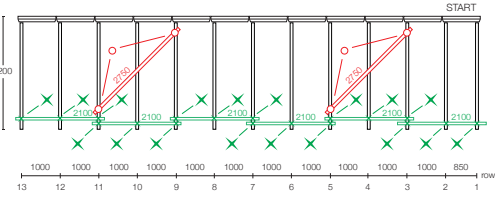
set up diagonal bracing



set up row 1

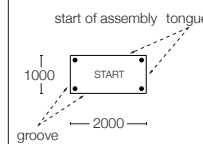


set up axis A



stage 6 x 12 m, heights > 140 – 200 cm, for all leg versions

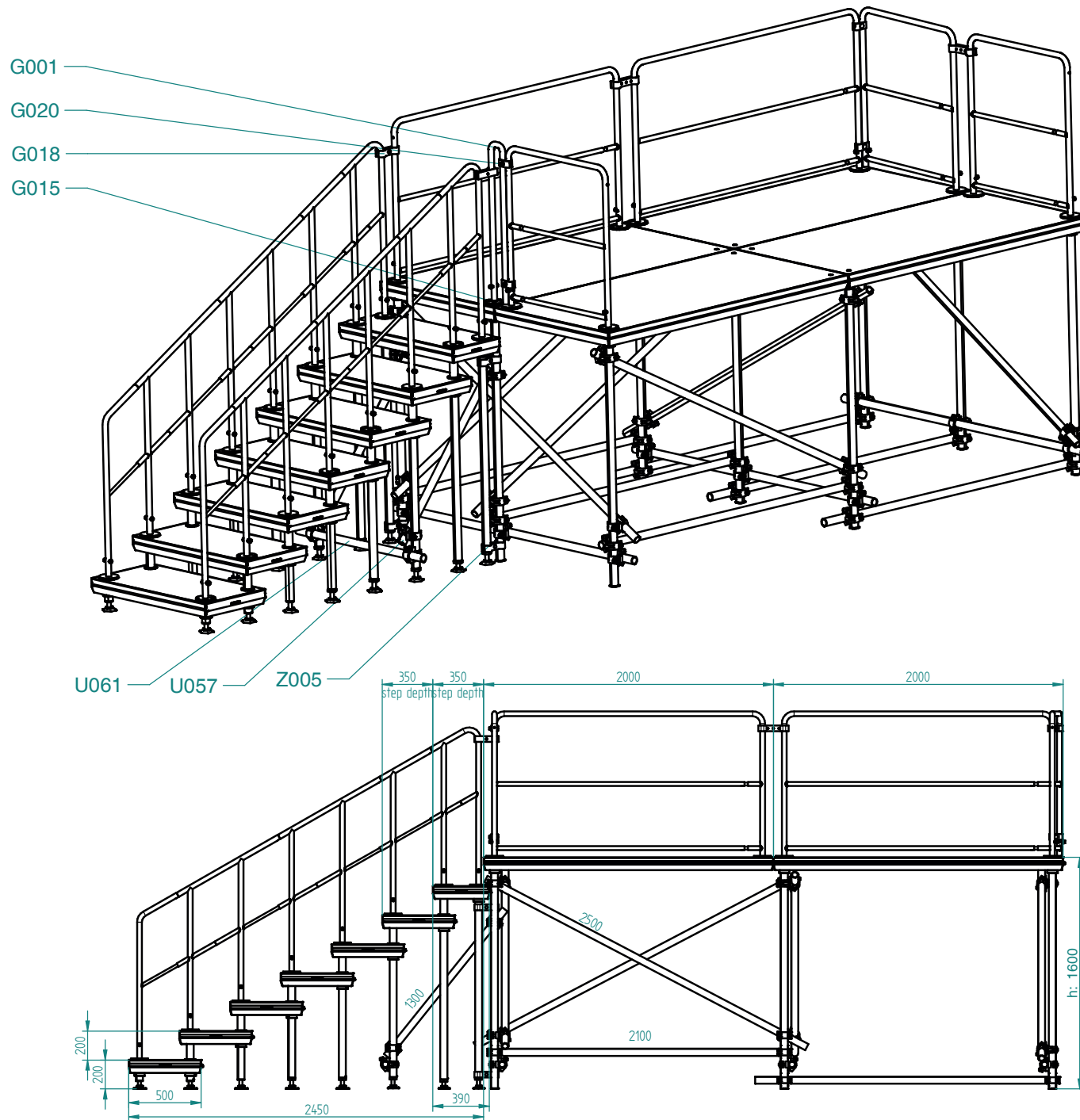
- | | | |
|--|---|------------|
| | horizontal bracing | |
| | 39 x horizontal braces for rows 2100 mm x 2 standard couplers | = 78 |
| | 24 x horizontal braces for axis 2100 mm x 3 standard couplers | = 72 |
| | | 150 |
| | diagonal bracing | |
| | 13 x diagonals for rows 2500 mm x 2 swivel couplers (H: > 140 – 180 cm) | = 26 |
| | 2750 mm x 2 swivel couplers (H: > 180 – 200 cm) | |
| | 8 x diagonals for axis 2250 mm x 2 swivel couplers (H: > 140 – 180 cm) | = 16 |
| | 2750 mm x 2 swivel couplers (H: > 180 – 200 cm) | |
| | | 42 |
| | diagonal braces mounted circumferentially from bottom to top clockwise | |



- leg position = 52 legs
- ✕ Layher standard coupler 48,3 mm = 150 pcs.
- Layher swivel coupler 48,3 mm = 42 pcs.

legs, horizontal and diagonal braces: alu tube 48,3 mm x 4 mm, material EN AW-6005 A T6

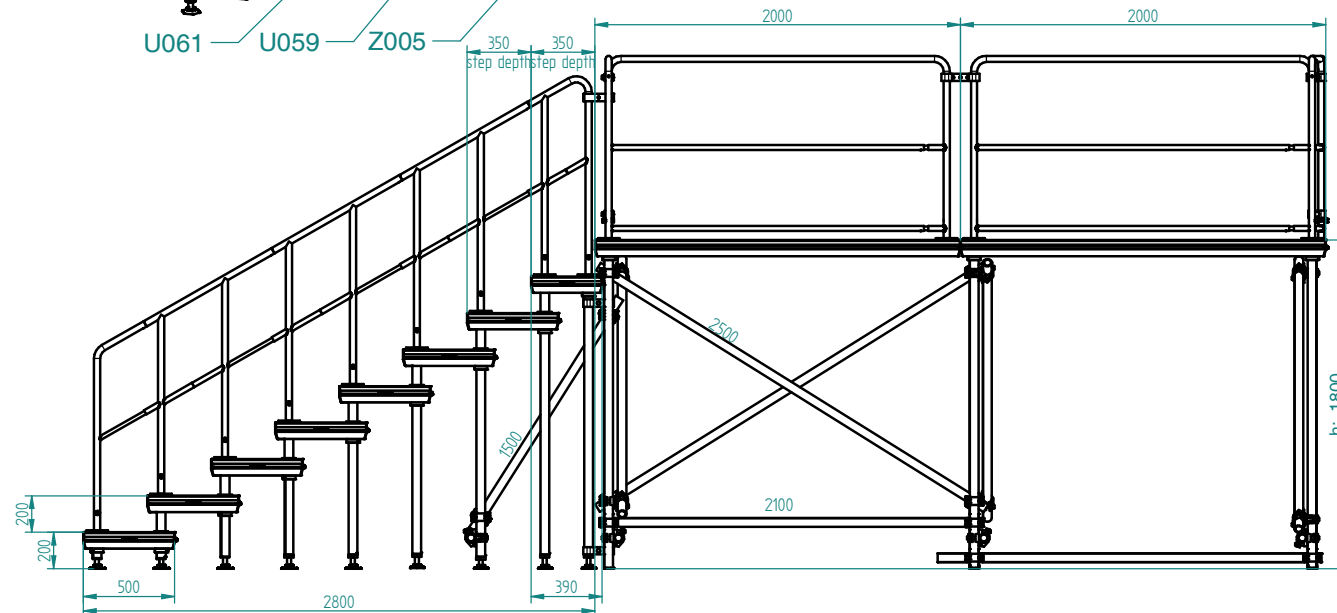
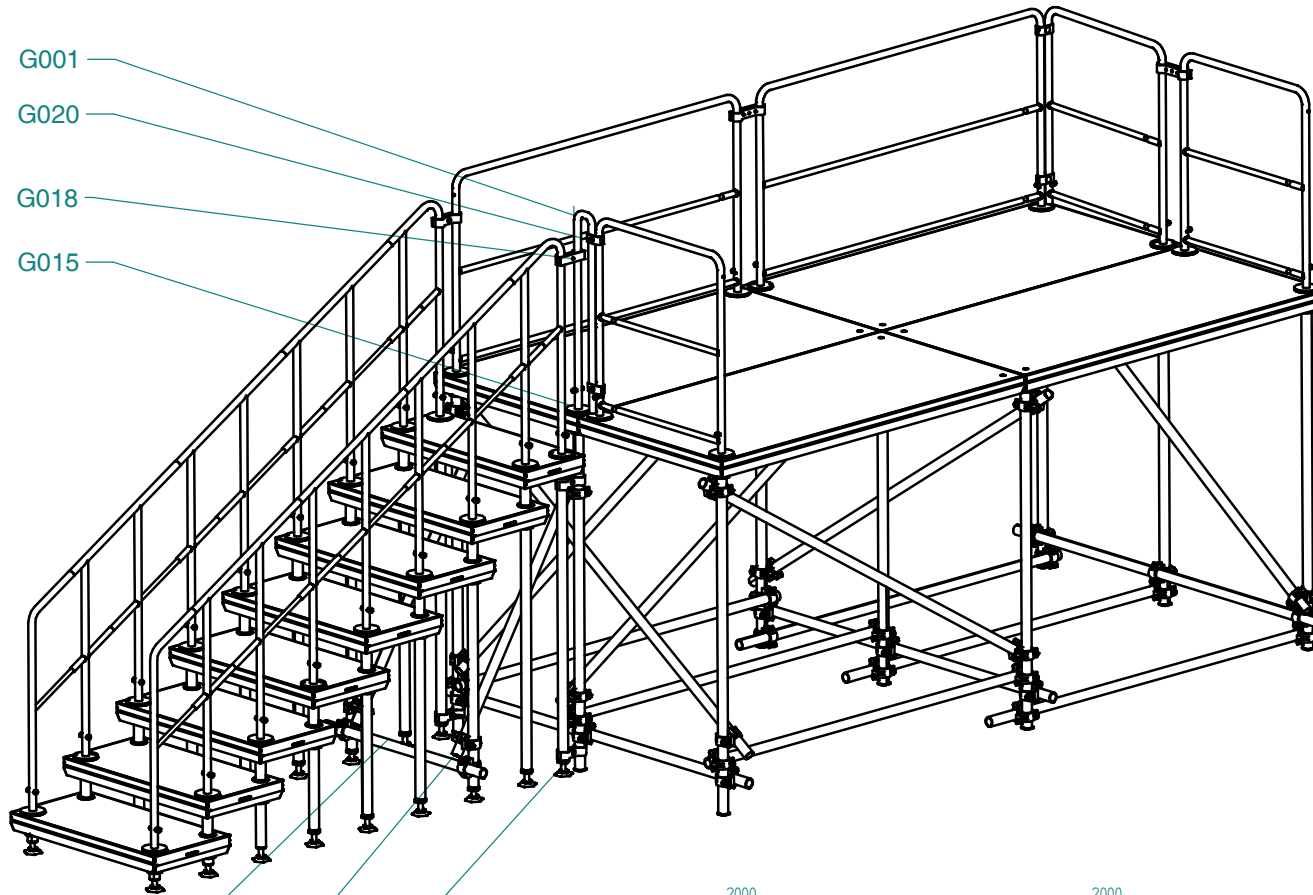




stage h: 160 cm			
Group	Art.No.	Description	Piece
P001	111 01 0	system platform 200 x 100 cm	4
base construction			
U008	211 08 1	alu load distributor leg stage h: 160 cm	9
U011	200 06 7	floor protector for LD- & BB-leg skid-proof blue square	9
U064	200 31 6	alu diagonal brace bl:200/185 cm, bh:>140-180cm, l: 2500mm	6
U034	4.702.019	Layher swivel coupler Ø 48,3 mm	12
U062	200 31 5	alu horizontal brace bay l: 200/185 cm l: 2100 mm	9
U035	4.700.019	Layher standard coupler Ø 48,3 mm	21
stage rails, 3 sides			
G006	301 03 0	safety rail h: 100 cm w: 185 cm	2
G004	301 02 0	safety rail h: 100 cm w: 85 cm	3
G015	310 01 0	rail support bolt Ø 26 mm	9
G017	310 10 5	rail link stage 150 mm reinforced	2
G019	310 20 0	adapter Ø 48,3 mm	3
G020	310 21 0	corner link	2

stairway, seven step for h: 160 cm, tier height 20			
Group	Art.No.	Description	Piece
P009	111 06 0	system platform 100 x 50 cm	6
P013	111 16 0	system platform 100 x 39 cm	1
base construction			
U012	202 01 1	alu levelling leg +/- 3 cm stage h: 20 cm	4
U013	202 02 1	alu levelling leg +/- 3 cm stage h: 40 cm	2
U014	202 03 1	alu levelling leg +/- 3 cm stage h: 60 cm	2
U015	202 04 1	alu levelling leg +/- 3 cm stage h: 80 cm	2
U016	212 05 1	alu levelling leg +/- 3 cm stage h: 100 cm	2
U017	212 06 1	alu levelling leg +/- 3 cm stage h: 120 cm	2
U018	213 07 1	alu levelling leg +/- 3 cm stage h: 140 cm	2
U022	200 06 6	floor protector for L-& EX-leg skid-proof hexagonal	16
Z003	401 01 0	step support bolt Ø 39 mm	12
Z001	205 01 0	step leg for step height: 20 cm	12
stairway rails, 2 sides			
G022	304 01 0	safety rail h: 100 cm stairway first part	2
G023	304 02 0	safety rail h: 100 cm stairway middle part	2
G024	304 03 0	safety rail h: 100 cm stairway double middle part	4
G026	304 09 0	safety rail h: 100 cm stairway final part top step A	2
G015	310 01 0	rail support bolt Ø 26 mm	16

connection of stairway and stage			
Group	Art.No.	Description	Piece
Z005	401 10 0	leg link 110 mm	4
U057	200 31 1	alu diagonal brace bl: 100 / 85 cm, bh: 80-100cm, l: 1300 mm	2
U034	4.702.019	Layher swivel coupler Ø 48,3 mm	4
U061	200 31 7	alu horizontal brace bay l: 100/85 cm l: 1100 mm	1
U035	4.700.019	Layher standard coupler Ø 48,3 mm	2
G018	310 11 0	rail link gallery 110 mm	2
G001	301 00 4	safety rail h: 100 cm w: 10 cm	1
G015	310 01 0	rail support bolt Ø 26 mm	1
G020	310 21 0	corner link	2
G019	310 20 0	adapter Ø 48,3 mm	0



stage h: 180 cm

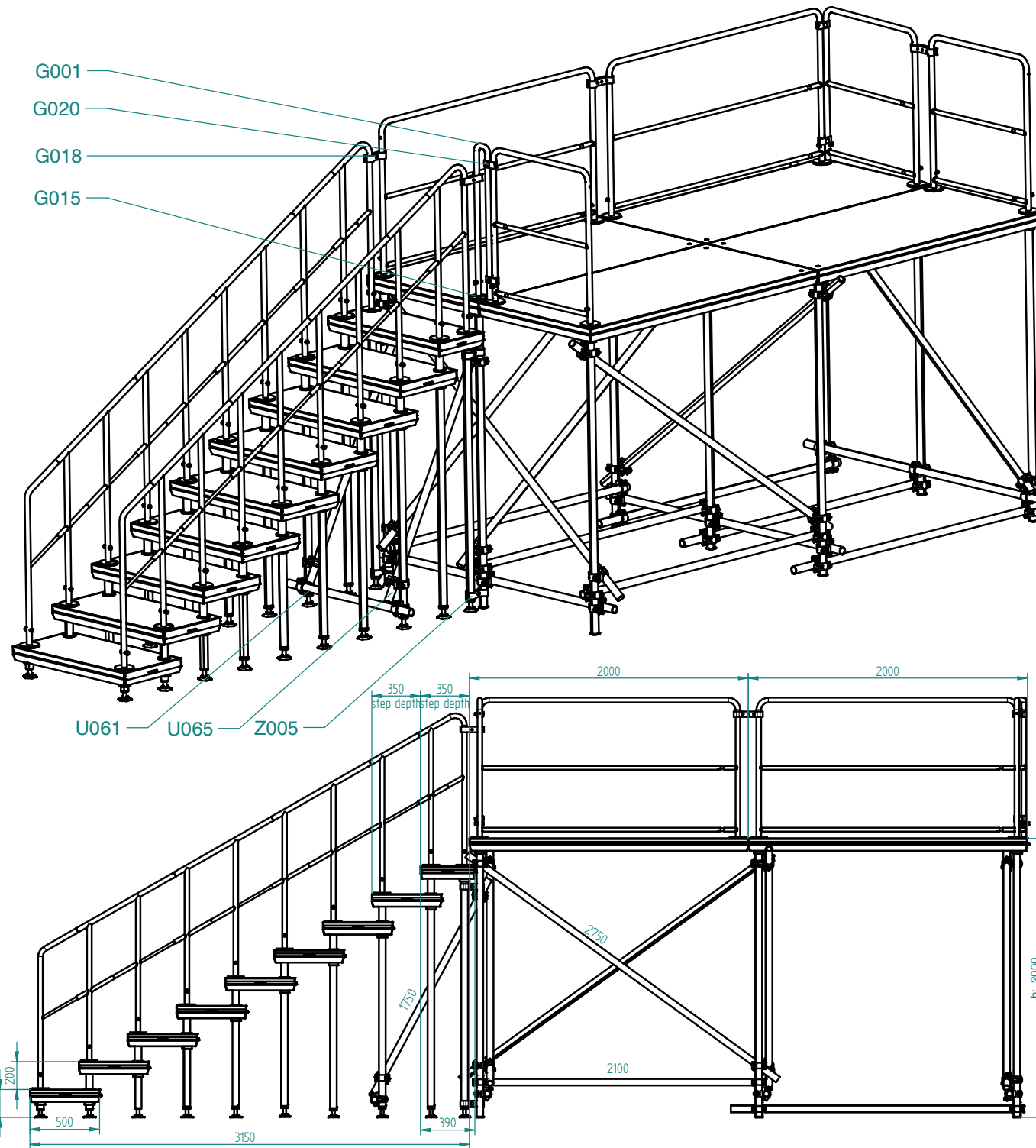
Group	Art.No.	Description	Piece
P001	111 01 0	system platform 200 x 100 cm	4
base construction			
U009	211 09 1	alu load distributor leg stage h: 180 cm	9
U011	200 06 7	floor protector for LD- & BB-leg skid-proof blue square	9
U064	200 31 6	alu diagonal brace bl:200/185 cm, bh:>140-180cm, l: 2500mm	6
U034	4.702.019	Layher swivel coupler Ø 48.3 mm	12
U062	200 31 5	alu horizontal brace bay l: 200/185 cm l: 2100 mm	9
U035	4.700.019	Layher standard coupler Ø 48.3 mm	21
stage rails, 3 sides			
G006	301 03 0	safety rail h: 100 cm w: 185 cm	2
G004	301 02 0	safety rail h: 100 cm w: 85 cm	3
G015	310 01 0	rail support bolt Ø 26 mm	9
G017	310 10 5	rail link stage 150 mm reinforced	2
G019	310 20 0	adapter Ø 48.3 mm	3
G020	310 21 0	corner link	2

stairway, eight step for h: 180 cm, tier height 20

Group	Art.No.	Description	Piece
P009	111 06 0	system platform 100 x 50 cm	7
P013	111 16 0	system platform 100 x 39 cm	1
base construction			
U012	202 01 1	alu levelling leg +/- 3 cm stage h: 20 cm	4
U013	202 02 1	alu levelling leg +/- 3 cm stage h: 40 cm	2
U014	202 03 1	alu levelling leg +/- 3 cm stage h: 60 cm	2
U015	202 04 1	alu levelling leg +/- 3 cm stage h: 80 cm	2
U016	212 05 1	alu levelling leg +/- 3 cm stage h: 100 cm	2
U017	212 06 1	alu levelling leg +/- 3 cm stage h: 120 cm	2
U018	212 07 1	alu levelling leg +/- 3 cm stage h: 140 cm	2
U019	212 08 1	alu levelling leg +/- 3 cm stage h: 160 cm	2
U022	200 06 6	floor protector for L- & EX-leg skid-proof hexagonal	18
Z003	401 01 0	step support bolt Ø 39 mm	14
Z001	205 01 0	step leg for step height: 20 cm	14
stairway rails, 2 sides			
G022	304 01 0	safety rail h: 100 cm stairway first part	2
G024	304 03 0	safety rail h: 100 cm stairway double middle part	6
G026	304 09 0	safety rail h: 100 cm stairway final part top step A	2
G015	310 01 0	rail support bolt Ø 26 mm	18

connection of stairway and stage

Group	Art.No.	Description	Piece
Z005	401 10 0	leg link 110 mm	4
U059	200 31 2	alu diagonal brace bl:100 / 85 cm, bh:>100-140cm, l: 1500mm	2
U034	4.702.019	Layher swivel coupler Ø 48.3 mm	4
U061	200 31 7	alu horizontal brace bay l: 100/85 cm l: 1100 mm	1
U035	4.700.019	Layher standard coupler Ø 48.3 mm	2
G018	310 11 0	rail link gallery 110 mm	2
G001	301 00 4	safety rail h: 100 cm w: 10 cm	1
G015	310 01 0	rail support bolt Ø 26 mm	1
G020	310 21 0	corner link	2
G019	310 20 0	adapter Ø 48.3 mm	0



stage h: 200 cm

Group	Art.No.	Description	Piece
P001	111 01 0	system platform 200 x 100 cm	4
base construction			
U010	211 10 1	alu load distributor leg stage h: 200 cm	9
U011	200 06 7	floor protector for LD- & BB-leg skid-proof blue square	9
U066	200 32 1	alu diagonal brace bl:200/185 cm, bh:>180-200cm, l: 2750mm	6
U034	4.702.019	Layher swivel coupler Ø 48.3 mm	12
U062	200 31 5	alu horizontal brace bay l: 200/185 cm l: 2100 mm	9
U035	4.700.019	Layher standard coupler Ø 48.3 mm	21
stage rails, 3 sides			
G006	301 03 0	safety rail h: 100 cm w: 185 cm	2
G004	301 02 0	safety rail h: 100 cm w: 85 cm	3
G015	310 01 0	rail support bolt Ø 26 mm	9
G017	310 10 5	rail link stage 150 mm reinforced	2
G019	310 20 0	adapter Ø 48.3 mm	3
G020	310 21 0	corner link	2

stairway, nine step for h: 200 cm, tier height 20

Group	Art.No.	Description	Piece
P009	111 06 0	system platform 100 x 50 cm	8
P013	111 16 0	system platform 100 x 39 cm	1
base construction			
U012	202 01 1	alu levelling leg +/- 3 cm stage h: 20 cm	4
U013	202 02 1	alu levelling leg +/- 3 cm stage h: 40 cm	2
U014	202 03 1	alu levelling leg +/- 3 cm stage h: 60 cm	2
U015	202 04 1	alu levelling leg +/- 3 cm stage h: 80 cm	2
U016	212 05 1	alu levelling leg +/- 3 cm stage h: 100 cm	2
U017	212 06 1	alu levelling leg +/- 3 cm stage h: 120 cm	2
U018	212 07 1	alu levelling leg +/- 3 cm stage h: 140 cm	2
U019	212 08 1	alu levelling leg +/- 3 cm stage h: 160 cm	2
U020	212 09 1	alu levelling leg +/- 3 cm stage h: 180 cm	2
U022	200 06 6	floor protector for L- & EX-leg skid-proof hexagonal	20
Z003	401 01 0	step support bolt Ø 39 mm	16
Z001	205 01 0	step leg for step height: 20 cm	16
stairway rails, 2 sides			
G022	304 01 0	safety rail h: 100 cm stairway first part	2
G023	304 02 0	safety rail h: 100 cm stairway middle part	2
G024	304 03 0	safety rail h: 100 cm stairway double middle part	6
G026	304 09 0	safety rail h: 100 cm stairway final part top step A	2
G015	310 01 0	rail support bolt Ø 26 mm	20

connection of stairway and stage

Group	Art.No.	Description	Piece
Z005	401 10 0	leg link 110 mm	4
U065	200 32 0	alu diagonal brace bl:100/ 85 cm, bh:>180-200cm, l: 1750mm	2
U034	4.702.019	Layher swivel coupler Ø 48.3 mm	4
U061	200 31 7	alu horizontal brace bay l: 100/ 85 cm l: 1100 mm	1
U035	4.700.019	Layher standard coupler Ø 48.3 mm	2
G018	310 11 0	rail link gallery 110 mm	2
G001	301 00 4	safety rail h: 100 cm w: 10 cm	1
G015	310 01 0	rail support bolt Ø 26 mm	1
G020	310 21 0	corner link	2
G019	310 20 0	adapter Ø 48.3 mm	0