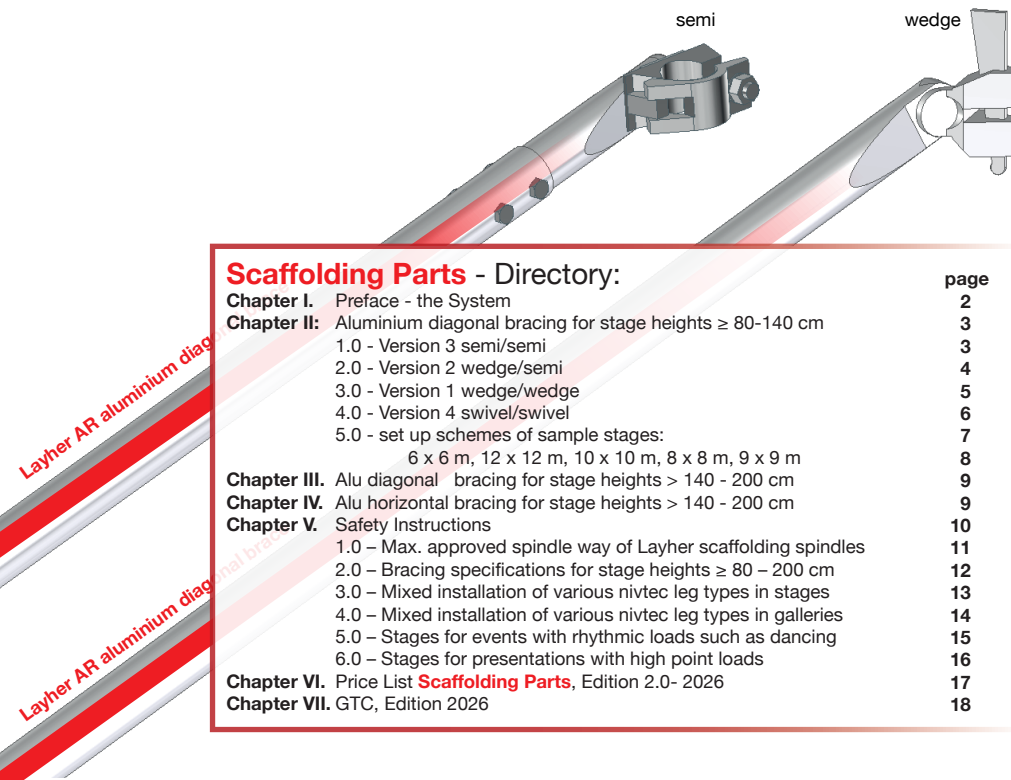
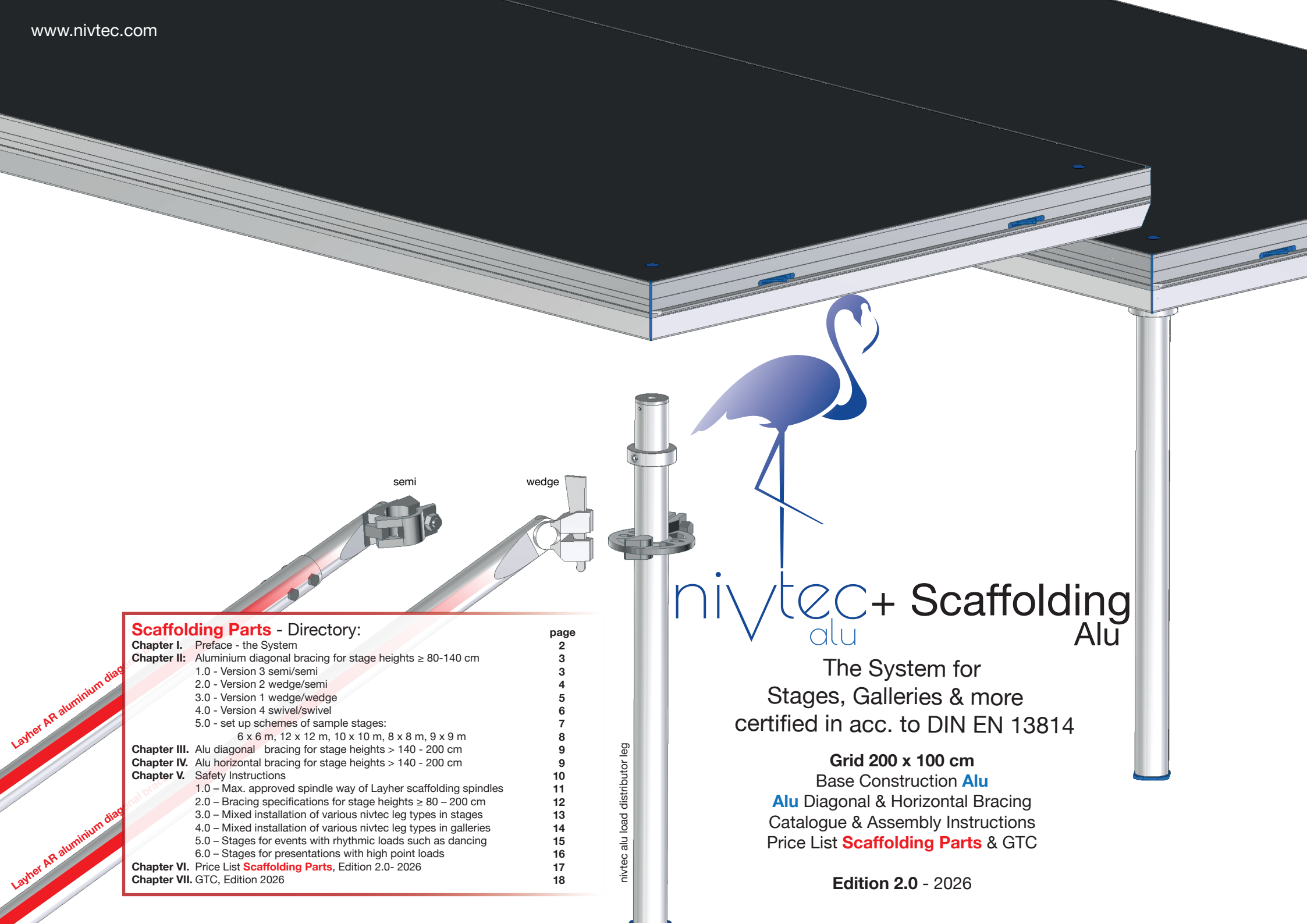




Scaffolding Parts - Directory:

	page
Chapter I. Preface - the System	2
Chapter II: Aluminium diagonal bracing for stage heights $\geq 80-140$ cm	3
1.0 - Version 3 semi/semi	3
2.0 - Version 2 wedge/semi	4
3.0 - Version 1 wedge/wedge	5
4.0 - Version 4 swivel/swivel	6
5.0 - set up schemes of sample stages:	7
6 x 6 m, 12 x 12 m, 10 x 10 m, 8 x 8 m, 9 x 9 m	8
Chapter III. Alu diagonal bracing for stage heights $> 140 - 200$ cm	9
Chapter IV. Alu horizontal bracing for stage heights $> 140 - 200$ cm	9
Chapter V. Safety Instructions	10
1.0 - Max. approved spindle way of Layher scaffolding spindles	11
2.0 - Bracing specifications for stage heights $\geq 80 - 200$ cm	12
3.0 - Mixed installation of various nivtec leg types in stages	13
4.0 - Mixed installation of various nivtec leg types in galleries	14
5.0 - Stages for events with rhythmic loads such as dancing	15
6.0 - Stages for presentations with high point loads	16
Chapter VI. Price List Scaffolding Parts , Edition 2.0- 2026	17
Chapter VII. GTC, Edition 2026	18

nivtec+ Scaffolding
alu Alu

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

Grid 200 x 100 cm
Base Construction **Alu**
Alu Diagonal & Horizontal Bracing
Catalogue & Assembly Instructions
Price List **Scaffolding Parts** & GTC

Edition 2.0 - 2026

nivtec Base Construction Alu + Layher AllroundGerüst Alu

Grid 200 x 100 cm Catalogue & Assembly Instructions Edition 2.0 - 2026

supplement:
Set up rules & Set up schemes
in "nivtec – ingeniously simple" - Edition 3.0 - 2026

Chapter I. Preface - The System

The nivtec staging system is primarily used for heights up to 200 cm. As a rule, the Layher event system is used for greater heights. Below you will find information on setting up nivtec stages in grid 200 x 100 cm, subject to the following conditions:

Base constructions need to be selected according to the existing ground conditions. The staging system may only be set up on a load-bearing ground, aligned horizontally, and sufficiently underpinned in case the floor is very uneven. The specifications of DIN EN 13814 Section 5.5.4 apply as reference values for underpinning.

Aluminium base constructions for the nivtec staging system up to a stage height of 200 cm in grid 200 x 100 cm are set up with plug-in legs made of aluminium round tube Ø48.3 x 4 mm, material EN AW-6005A T6. As standard, all legs are equipped with:

thread adapters, function: mounting of fastening elements for railings and stairways

load rings, function: increasing the stability of the platforms in the long-term process

locking nuts for legs with adjusting spindle for stage heights exceeding 40 cm and ball bearing legs exceeding 20 cm as well as telescopic legs, function: stabilisation of the base construction

plastic parts such as leg corks made of hard rubber, square, removable, or base plates made of hard plastic, hexagonal and square in blue. The hard rubber floor protectors developed by nivtec are available for all base constructions – both for legs made of round tube and for the Layher scaffolding system.



The use of floor protectors is necessary depending on the floor conditions, especially on slippery or sensitive surfaces such as tiles or parquet.

Versions of the base construction with plug-in legs:

- fix for even surfaces
- level adjustable for slightly uneven surfaces
- telescopic for greater height differences
- infinitely adjustable with Layher scaffold spindles in case of larger unevenness, especially in outdoor areas
- inclinable for ramp constructions
- rollable for Roll Risers

All aluminium base constructions from a stage height of 80 cm require diagonal bracing, beyond a stage height of 140 cm additional horizontal bracing is mandatory.

The amount of bracing material required is manageable: since 1999 nivtec stages can be set up quickly and easily with a reduced number of legs thanks to their innovative technology. The larger the stage, the fewer legs are needed. For a 12 x 8 m stage, 63 legs = 1 leg trolley are required instead of 3 x 63 legs = 3 leg trolleys + 3 additional legs, as must be used for platforms on 4 legs.

Mounting the legs is carried out in a single tool-free step. Thanks to the hook-in technology and the "click-clack" locking mechanism integrated into the platform, no additional connecting elements are required for standard stages. Any work steps under the stage, which are particularly difficult at low heights, are not needed with nivtec.

Conclusion: with the small number of legs, applied according to the nivtec 4-2-2-1 principle, a few aluminium diagonal braces, installed according to specifications, are simply part of the construction. They guarantee the stability of the nivtec base constructions, protect the material and give the nivtec platform a long lifespan.

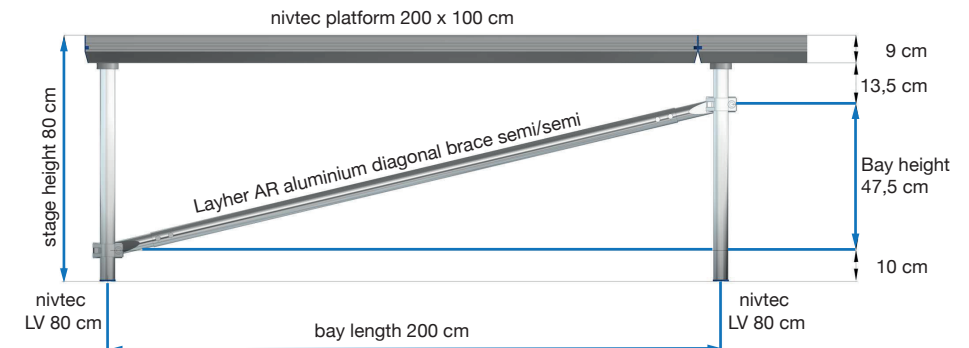
Thanks to the compatibility of the nivtec system with Layher, nivtec can utilise the advantages of the Layher scaffold spindle, which has proven itself a million times over, without any additional elements. This guarantees continuous height adjustment and maximum safety – permanently.

The **infinitely adjustable nivtec base construction** is a combination of a fix nivtec leg with a Layher scaffold spindle. The fix nivtec LV leg can be converted into an interchangeable leg in an instant by removing the leg cork. The leg is put on the Layher 60 cm or 80 cm scaffold spindle.

With a maximum spindle way of 20 cm, the stage height increases by +20 cm. Two additional Layher LS 20 cm and LS 40 cm spindles have been added to the nivtec product portfolio since 2022.

The maximum permissible spindle way of the individual spindles and bracing specifications can be found in the safety instructions starting at page 10 onwards.

Mounting of the aluminium diagonal bracing in 4 versions follows the same pattern Here: illustration of version 3 semi/semi

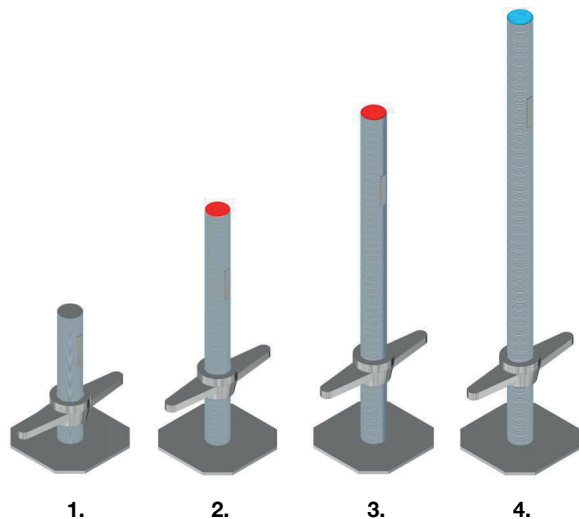


See set up schemes of sample stages:

- Stage 6 x 6 m page 7
- Stage 12 x 12 m page 7
- Stage 10 x 10 m page 7
- Stage 8 x 8 m page 7
- Stage 9 x 9 m page 7

Chapter II. Aluminium diagonal bracing for stage heights ≥ 80-140 cm 1.0

The following Layher AllroundGerüst components are used:



1.	5602.020	Layher scaffold spindle 20 cm
2.	4001.040	Layher scaffold spindle 40 cm
3.	4001.060	Layher scaffold spindle 60 cm
4.	4002.080	Layher scaffold spindle 80 cm reinforced

Version 3 consists of Layher aluminium diagonal braces for nivtec bay heights (FH) with two permanently mounted semi couplers. It is suitable for all nivtec legs up to a stage height of 140 cm, except telescopic legs. This is the fastest option and does not require any additional connecting elements such as couplers or rosettes. This version is ideal for those who repeatedly set up their stage structures at fixed heights or only operate at stage heights + 20 cm. An increase of 20 cm is possible if, for example, you combine the nivtec LV 80 cm leg with a Layher scaffold spindle 80 cm.

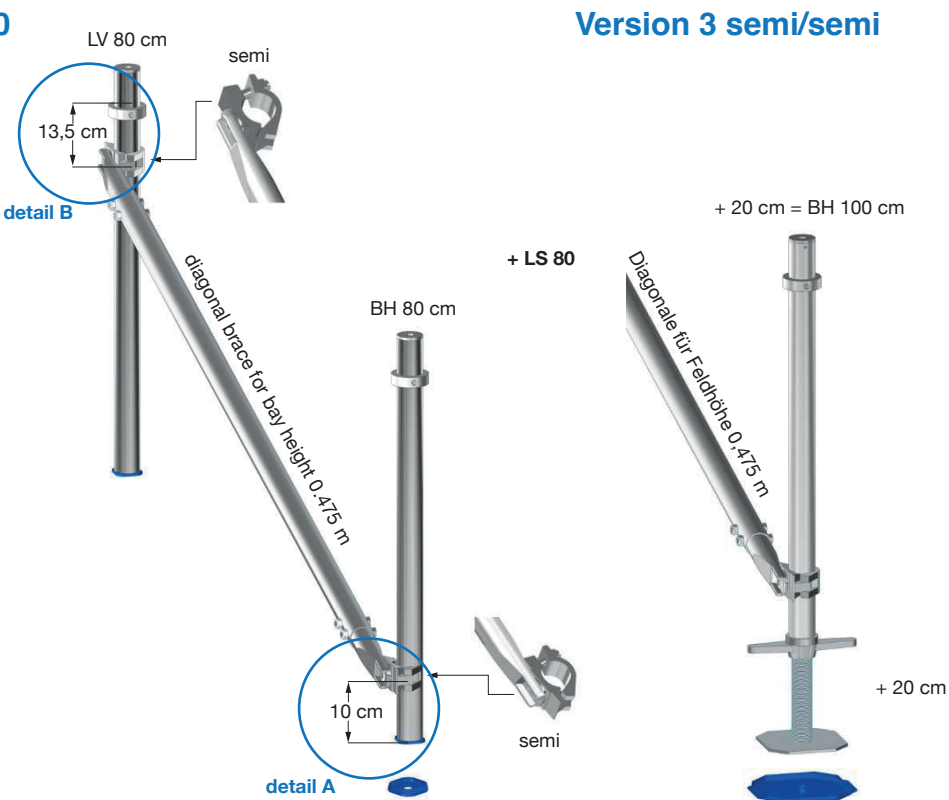
For heights from 80 to 140 cm the following parts are required for a stage size of 6 x 6 m:

18 x platforms 200 x 100 cm, **28 x LV 80 cm** + 28 x LS 80, 8 x Layher AR alu diagonal brace bay l: 2.00 h: 0.475 m
stage height: 100 cm

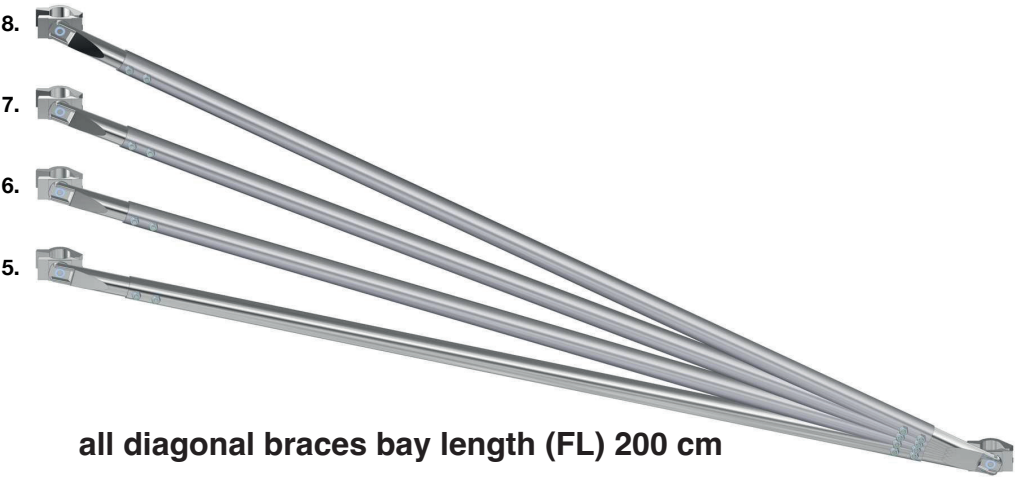
+ 28 x LV 100 cm + 8 x Layher AR alu diagonal brace bay l: 2.00 h: 0.675 m **stage height: 120 cm**

+ 28 x LV 120 cm + 8 x Layher AR alu diagonal brace bay l: 2.00 h: 0.875 m **stage height: 140 cm**

5.	0731.040	Layher AR alu diagonal brace bay l: 2.00 h: 0.475 m - semi/semi
6.	0731.041	Layher AR alu diagonal brace bay l: 2.00 h: 0.675 m - semi/semi
7.	0731.042	Layher AR alu diagonal brace bay l: 2.00 h: 0.875 m - semi/semi
8.	0731.043	Layher AR alu diagonal brace bay l: 2.00 h: 1.075 m - semi/semi



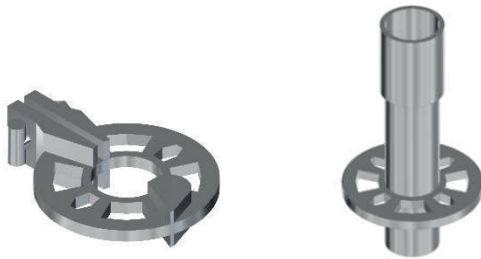
Assembly instructions for diagonal braces:
Attachment to the stage leg is made with swivel semi couplers attached to the Layher diagonal brace at the bottom (detail A) and top (detail B).
Tighten the screws with the specified torque of 50 Nm.



Chapter II. Aluminium diagonal bracing for stage heights ≥ 80-140 cm 2.0

Version 2 wedge/semi

In version 2, two additional Layher scaffolding components are used



9. Used: at the bottom of the leg Version 2

9.	2602.019	Layher AR clampable rosette SW: 19 forged
10.	2602.000	Layher AR base collar with rosette

Version 2 consists of Layher aluminium diagonal bracing with a wedge coupler and a semi coupler. A rosette is used at the bottom of the leg. The base collar no. 2602.000 in conjunction with LS 80 cm is the alternative to the rosette at the bottom in version 2. **Advantage:** the use of the LS 80 cm increases the stage height by max. + 20 cm, the additional base collar increases the stage height by further + 20 cm. This increases the overall stage height by + 40 cm compared to the basic height of the nivtec LV leg.

Version 2 is suitable for all nivtec legs except telescopic legs. This version is best suited for those who want to be more flexible and create different stage heights.

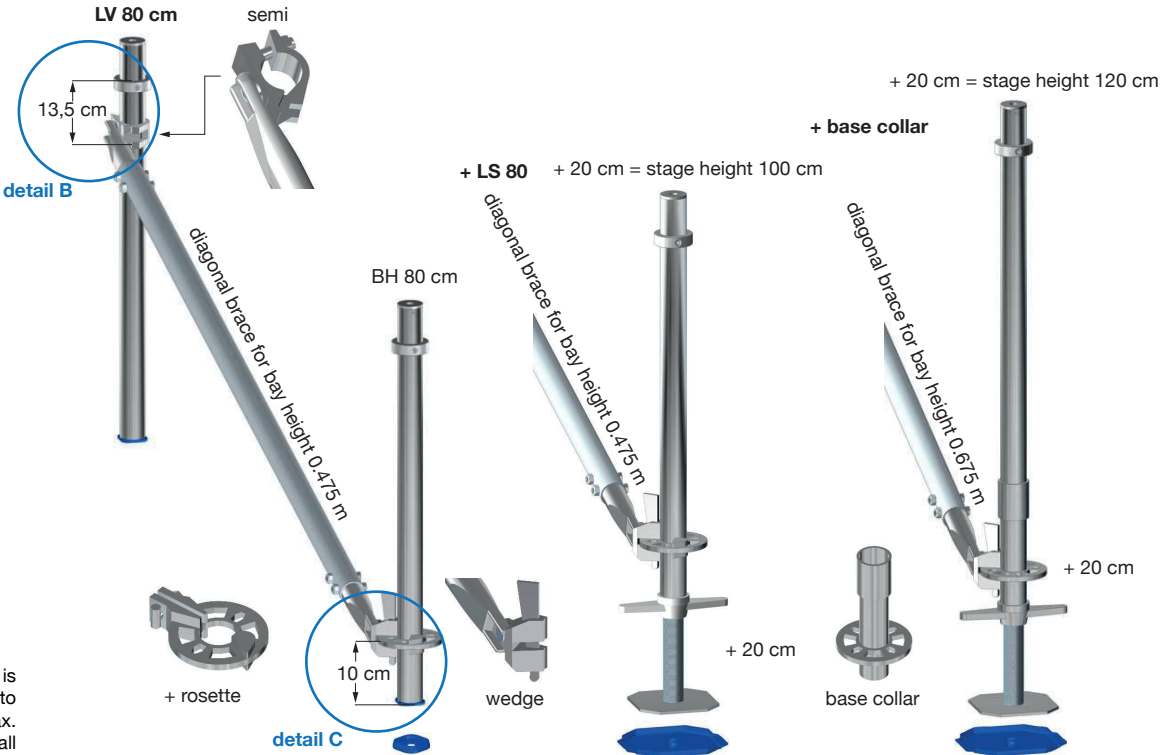
In version 2 the following parts are required for heights from 80 to 140 cm for a stage size of 6 x 6 m:

18 x platforms 200 x 100 cm, 28 x LV 80 cm + 28 x LS 80, 8 x Layher AR alu diagonal brace bay l: 2.00 h: 0.475 m + 8 x rosette, bottom **stage height: 100 cm**

+ 28 x base collars (8x rosettes at the bottom are omitted) + 8 x Layher AR alu diagonal brace bay l: 2.00 h: 0.675 m **stage height: 120 cm**

+ 28 x LV 100 cm + 8 x Layher AR alu diagonal brace bay l: 2.00 h: 0.875 m **stage height: 140 cm**

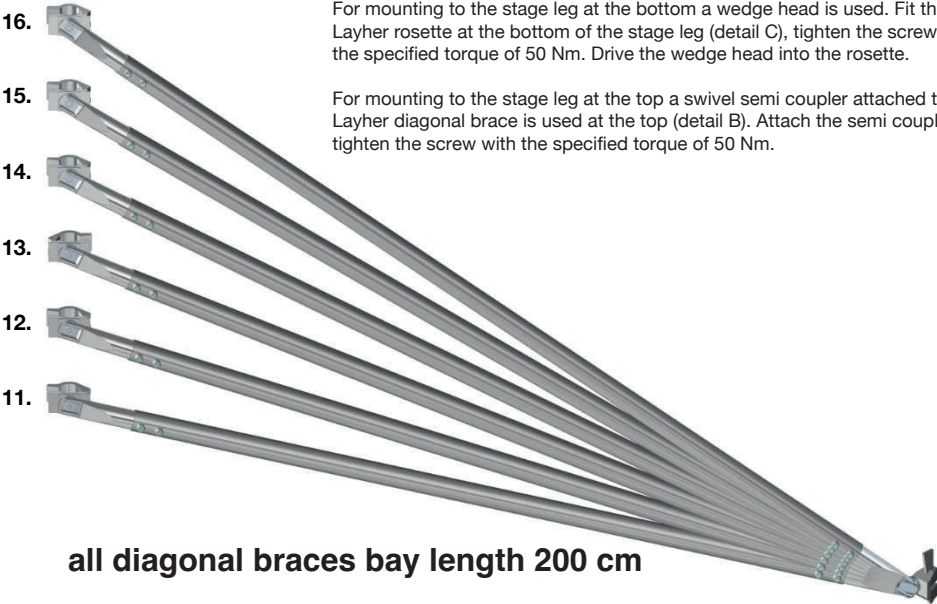
11.	0731.044	Layher AR alu diagonal brace bay l: 2.00 h: 0.475 m - wedge/semi
12.	0731.045	Layher AR alu diagonal brace bay l: 2.00 h: 0.675 m - wedge/semi
13.	0731.046	Layher AR alu diagonal brace bay l: 2.00 h: 0.875 m - wedge/semi
14.	0731.047	Layher AR alu diagonal brace bay l: 2.00 h: 1.075 m - wedge/semi
15.	0731.048	Layher AR alu diagonal brace bay l: 2.00 h: 1.275 m - wedge/semi
16.	0731.677	Layher AR alu diagonal brace bay l: 2.00 h: 1.475 m - wedge/semi



Assembly instructions for diagonal braces:

For mounting to the stage leg at the bottom a wedge head is used. Fit the Layher rosette at the bottom of the stage leg (detail C), tighten the screw with the specified torque of 50 Nm. Drive the wedge head into the rosette.

For mounting to the stage leg at the top a swivel semi coupler attached to the Layher diagonal brace is used at the top (detail B). Attach the semi coupler and tighten the screw with the specified torque of 50 Nm.



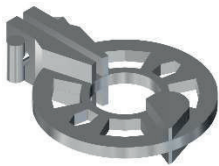
all diagonal braces bay length 200 cm

Chapter II. Aluminium diagonal bracing for stage heights ≥ 80-140 cm

3.0

Version 1 wedge/wedge

In version 1, only one additional Layher scaffolding part is used compared to version 2:



9. additionally used at top

9.	2602.019	Layher AR clampable rosette SW: 19 forged
----	----------	---

Version 1 consists of Layher aluminium diagonal braces with two wedge couplers. A rosette is used at the top and bottom of the leg. The base collar in conjunction with LS 80 cm is the alternative to the rosette at the bottom in version 1 **Advantage:** using the LS 80 cm increases the stage height by max. + 20 cm, using the base collar increases the stage height by a further + 20 cm. This increases the overall stage height by + 40 cm compared to the basic height of the nivtec LV leg.

Version 1 is suitable for all nivtec legs except telescopic legs. This version is for those who want to be more flexible and quickly create different stage heights.

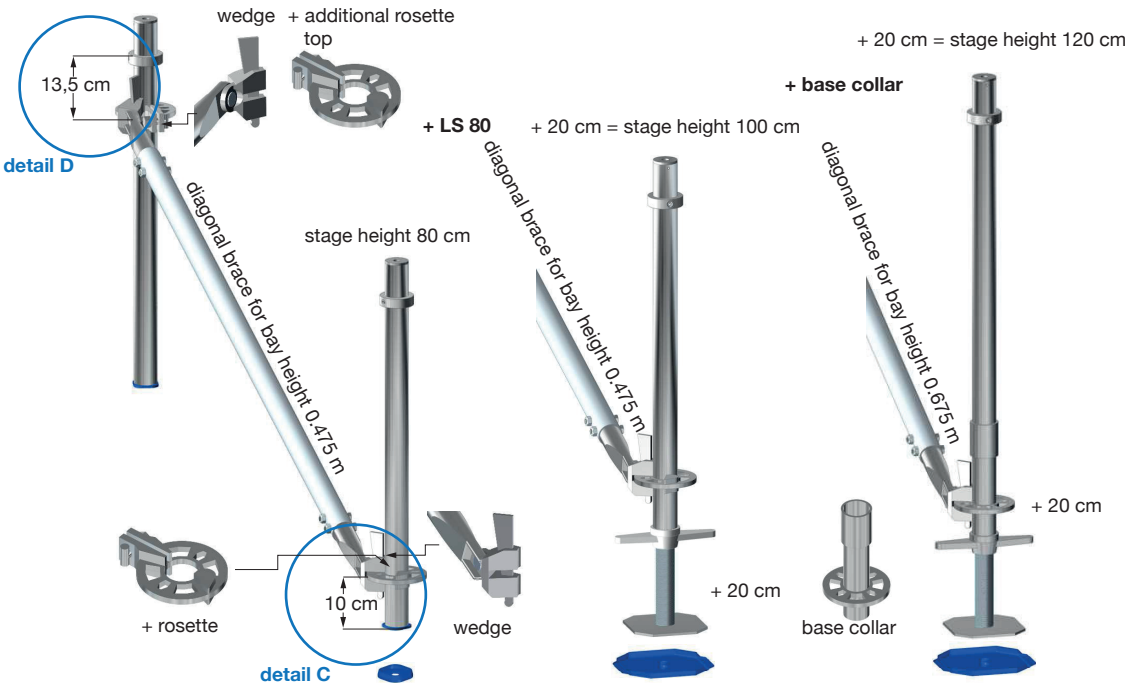
In version 1 the following parts are required for heights from 80 to 140 cm for a stage size of 6 x 6 m:

18 x platforms 200 x 100 cm, 28 x LV 80 cm + 28 x LS 80, 8 x Layher AR alu diagonal brace bay I: 2.00 h: 0.475 m + 8 x rosette, bottom **+ additional 8 x rosette, top** **stage height: 100 cm**

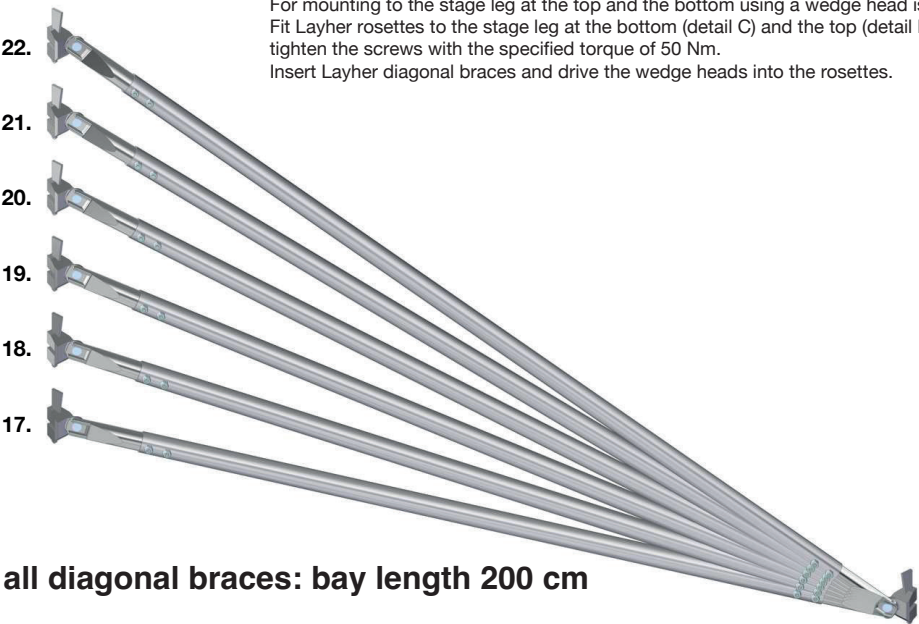
+ 28 x base collars (8 x rosette, bottom does not apply) + 8 x Layher AR alu diagonal brace bay I: 2.00 h: 0.675 m **stage height: 120 cm**

+ 28 x LV 100 cm + 8 x Layher AR alu diagonal brace bay I: 2.00 h: 0.875 m **stage height: 140 cm**

17.	0730.231	Layher AR alu diagonal brace bay I: 2.00 h: 0.475 m - wedge/wedge
18.	0730.230	Layher AR alu diagonal brace bay I: 2.00 h: 0.675 m - wedge/wedge
19.	0730.229	Layher AR alu diagonal brace bay I: 2.00 h: 0.875 m - wedge/wedge
20.	0730.228	Layher AR alu diagonal brace bay I: 2.00 h: 1.075 m - wedge/wedge
21.	0730.227	Layher AR alu diagonal brace bay I: 2.00 h: 1.275 m - wedge/wedge
22.	0730.297	Layher AR alu diagonal brace bay I: 2.00 h: 1.475 m - wedge/wedge



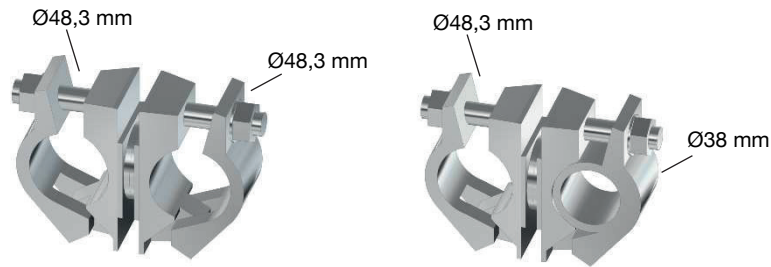
Assembly instructions for diagonal braces:
For mounting to the stage leg at the top and the bottom using a wedge head is used. Fit Layher rosettes to the stage leg at the bottom (detail C) and the top (detail D), tighten the screws with the specified torque of 50 Nm. Insert Layher diagonal braces and drive the wedge heads into the rosettes.



all diagonal braces: bay length 200 cm

Chapter II. Aluminium diagonal bracing for stage heights ≥ 80 -140 cm 4.0

In addition to Layher scaffold spindles, the following scaffolding components are used for version 4 swivel/swivel:



23.

24.

23.	4702.019	Layher swivel coupler Ø48.3 mm SW: 19
24.	5FKUP2003	Altrad reduction swivel coupler Ø48.3/38 mm SW: 19

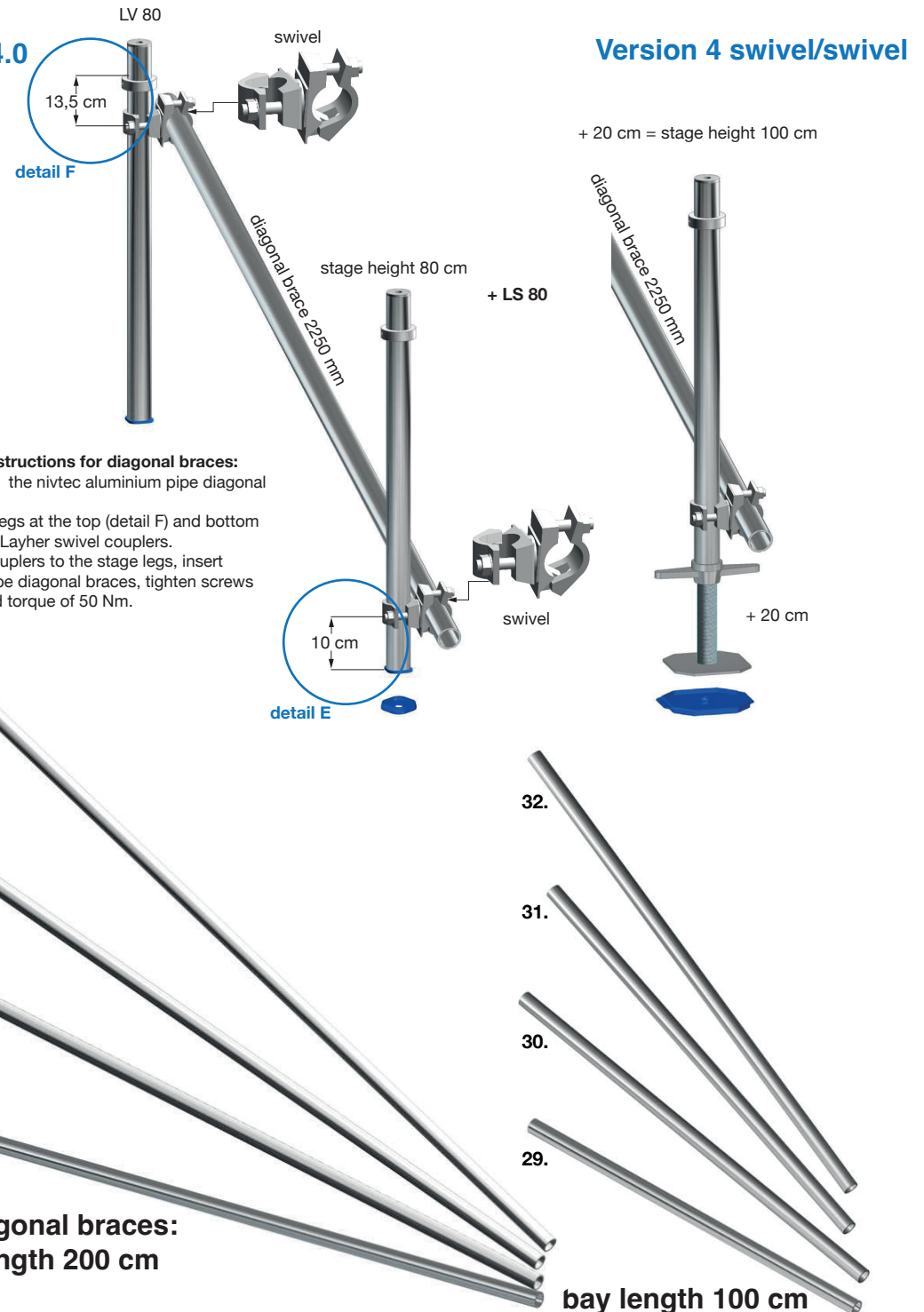
For version 4, nivtec diagonal braces made of ALU round tube Ø48.3 x 4 mm, material EN AW-6005A T6 and two Layher swivel couplers Ø48.3 x 4 mm are used. This is the most commonly used version. It is the only option for telescopic legs and one of 4 options for all other legs.

Attention: For extended telescopic legs and for 60 cm aluminium LV legs on Layher scaffold spindles, an Altrad reduction swivel coupler Ø48.3/38 mm must be used at the bottom.

The diagonal bracing for version 4 also follows the same pattern as for versions 3, 2 and 1.

25.	200 31 3	alu diagonal brace bay l: 200/185 cm stage height: 80-100 cm L: 2250 mm
26.	200 31 4	alu diagonal brace bay l: 200/185 cm stage height: >100-140 cm L: 2400 mm
27.	200 31 6	alu diagonal brace bay l: 200/185 cm stage height: >140-180 cm L: 2500 mm
28.	200 32 1	alu diagonal brace bay l: 200/185 cm stage height: >180-200 cm L: 2750 mm

29.	200 31 1	alu diagonal brace bay l: 100/ 85 cm stage height: 80-100 cm L: 1300 mm
30.	200 31 2	alu diagonal brace bay l: 100/ 85 cm stage height: >100-140 cm L: 1500 mm
31.	200 32 4	alu diagonal brace bay l: 100/ 85 cm stage height: >140-180 cm L: 1500 mm
32.	200 32 0	alu diagonal brace bay l: 100/ 85 cm stage height: >180-200 cm L: 1750 mm

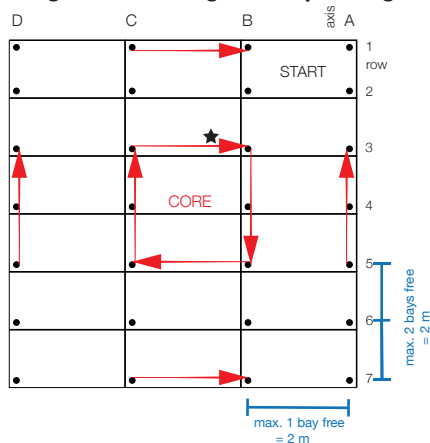


★ at stage height = 80 cm this diagonal can be dispensed with

Chapter II. Set up schemes : Aluminium diagonal bracing in 4 versions for stage heights ≥ 80 -140 cm

→ direction from bottom to top

stage 6 x 6 m stage - sample stage



Set up rules

The sample stage requires 4 row and 4 axis diagonals.

At height 80 cm, the diagonal brace marked with * can be dispensed with.

Only 1 free bay towards the corners of the stage in width and only 2 free bays to the corners of the stage in depth are permitted.

Extension of the sample stage

When extending the width and the depth of the stage the pattern is repeated. It should be noted here that between the bracing axes with cores only 2 bays may remain free, between the bracing rows with cores only 4 bays may remain free.

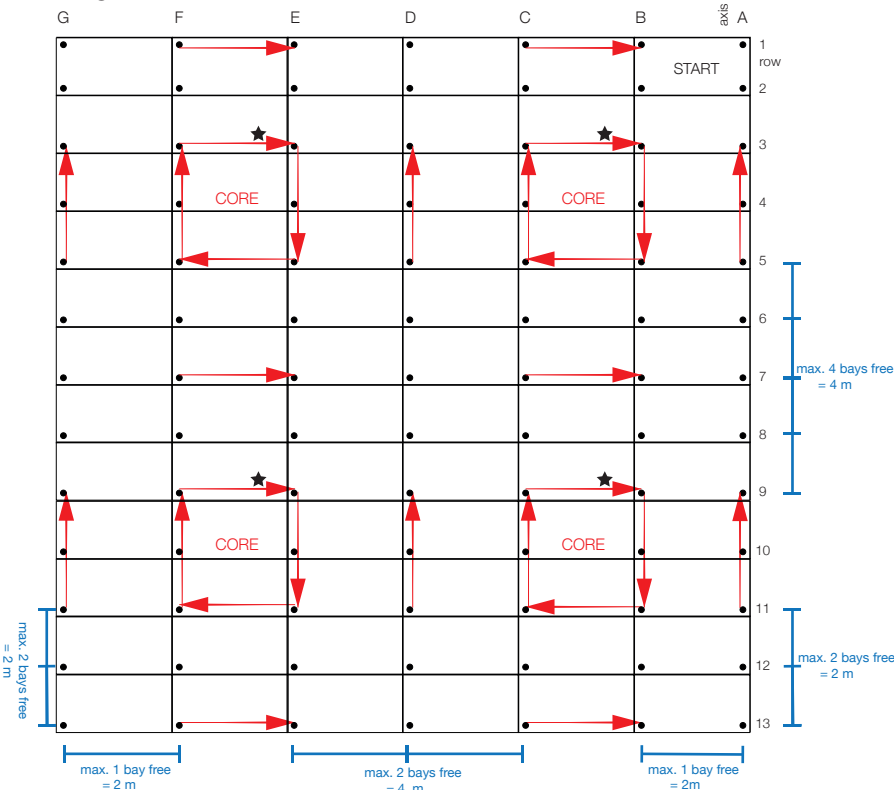
Set up diagrams

The sample stage has a size of 6 x 6 m, the extension by further 6 m in depth and width to the size of 12 x 12 m is illustrated. Realising the 10 x 10 m version is simple, as the stage 12 x 12 m is just shortened by one bay each, both width and depth.

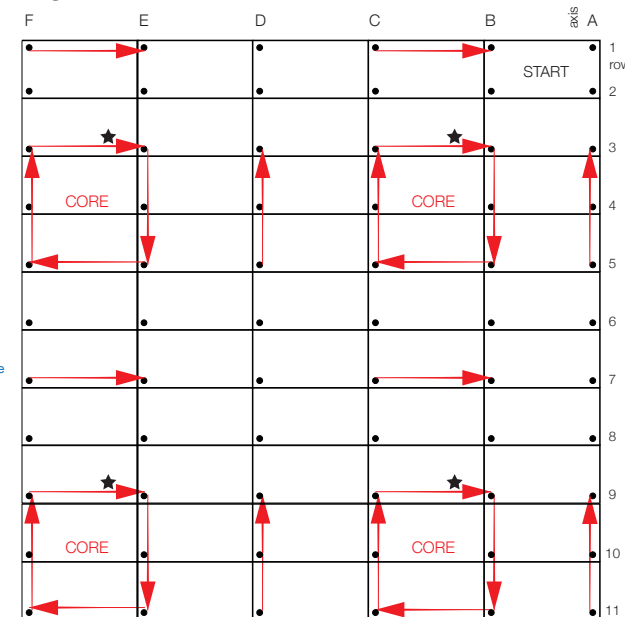
The illustration of stage size 8 x 8 m is important, as here the diagonal bracing in both width and depth must be offset by one bay each, so that 2 free bays remain at the corner of the stage.

The stage 9 x 9 m must be equipped with platforms in different dimensions. Here these are platforms 100 x 100 cm. Based on at stage 10 x 10 m, bracing-free bays are replaced by platforms of other dimensions without any changes to the set up scheme.

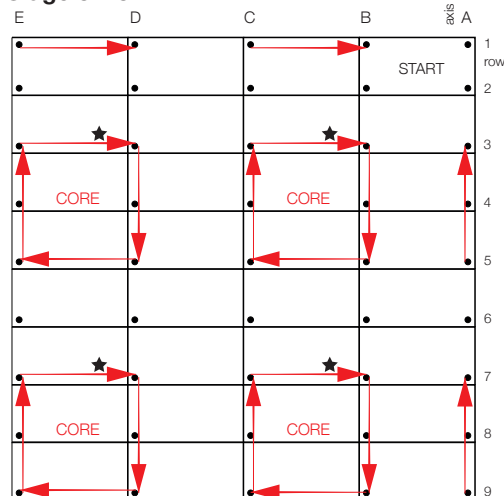
stage 12 x 12 m



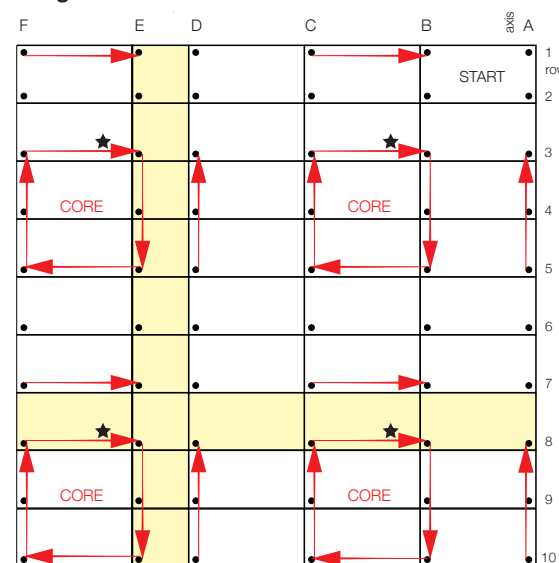
stage 10 x 10 m



stage 8 x 8 m



stage 9 x 9 m

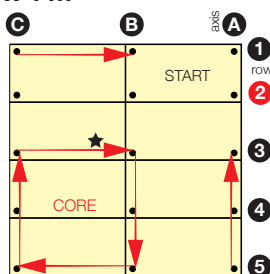


★ = at stage height 80 cm,
this diagonal brace can be dispensed with

Chapter II. Aluminium diagonal bracing in 4 versions for stage heights ≥ 80 -140 cm

direction from bottom to top

stage 4 x 4 m



★
+additional diagonal brace

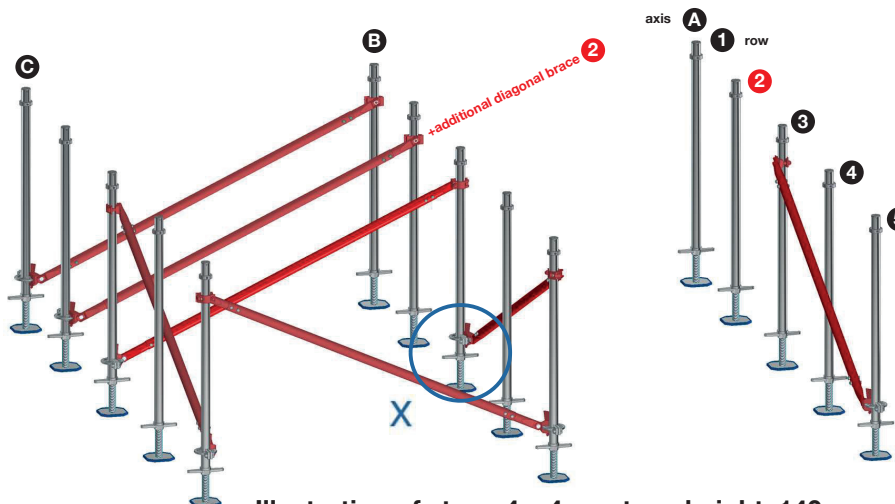


Illustration of stage 4 x 4 m, stage height: 140 cm

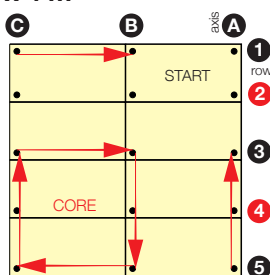


additional diagonal braces for small stages

For small stages less than 6 m in width and/or depth, additional row diagonals must be installed outside the cores at heights above 80 cm.

Chapter III. Aluminium diagonal bracing in 3 versions for stage heights >140 -200 cm / except version 3 semi/semi

stage 4 x 4 m



★
+additional diagonal brace

★
+additional diagonal brace

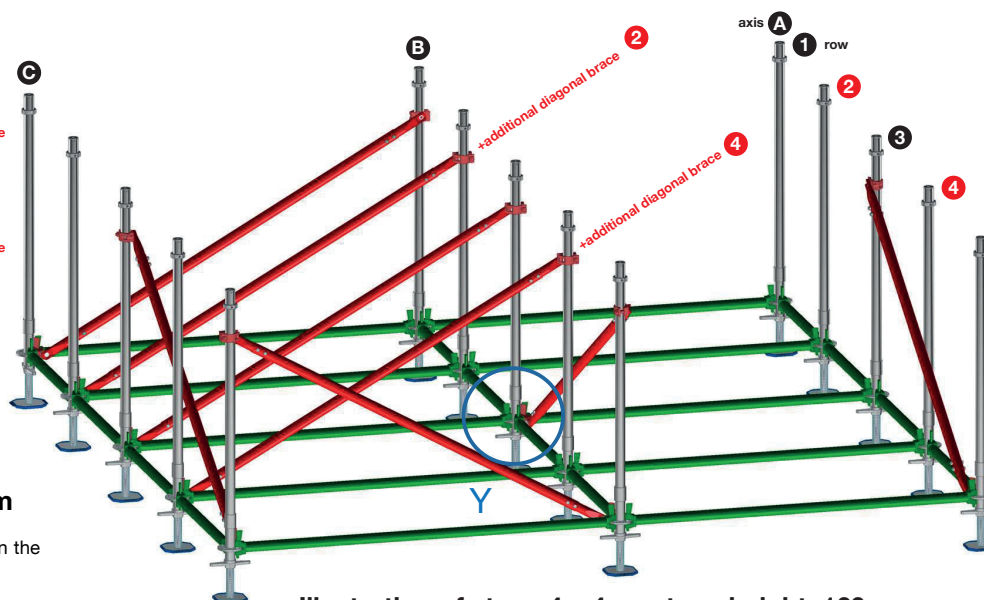
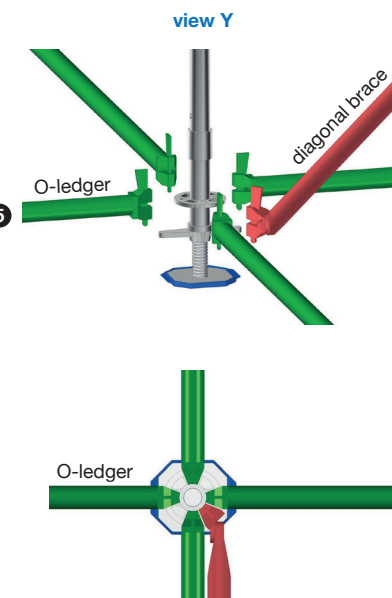


Illustration of stage 4 x 4 m, stage height: 160 cm



additional diagonal braces for stages > 140 -200 cm

For stages exceeding 140 - 200 cm, additional row diagonals are required in the rows outside and inside the cores, i.e. in every row.

In addition to the diagonal bracing, horizontal bracing is required for stage heights exceeding 140 cm – see page 9.

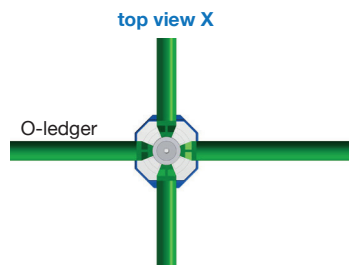
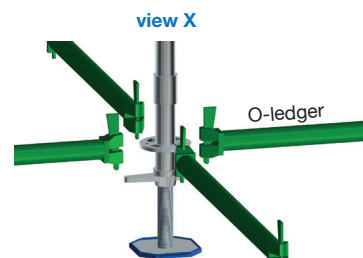
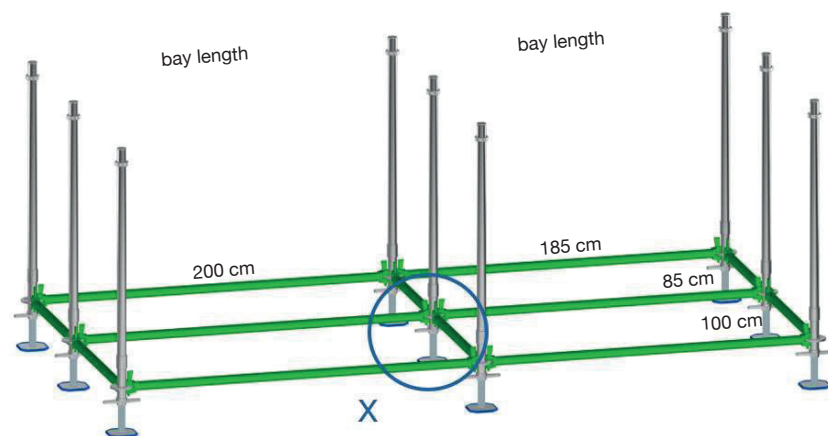
Chapter IV. Additional aluminium horizontal bracing for stage heights >140-200 cm

Version 2 wedge/semi and version 1 wedge/wedge

Four additional Layher scaffolding components are used for both versions:



33.	0703.017	Layher AR O-ledger bay l: 2.00 m - wedge/wedge
34.	0701.620	Layher AR O-ledger bay l: 1.00 m - wedge/wedge
35.	0710.011	Layher AR O-ledger bay l: 1.85 m - wedge/wedge
36.	0712.677	Layher AR O-ledger bay l: 0.85 m - wedge/wedge

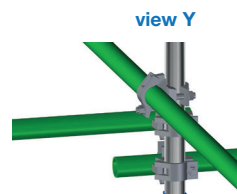
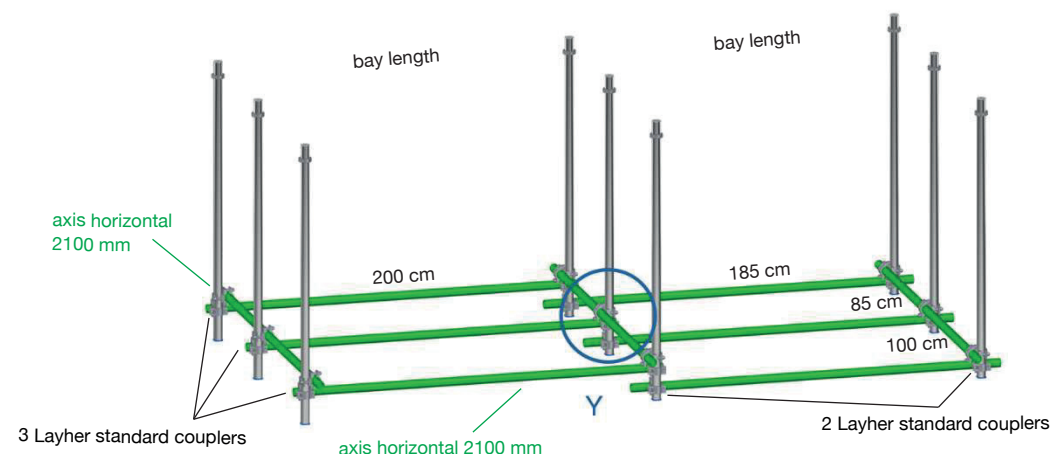


Version 4 swivel/swivel

In version 4, three additional scaffolding components are used:



37.	200 31 5	Aluminium horizontal brace bay l: 200/185 cm L: 2100 mm
38.	200 31 7	Aluminium horizontal brace bay l: 100/ 85 cm L: 1100 mm
39.	4700.019	Layher standard coupler Ø 48.3 mm, SW: 19



Assembly instructions for horizontal braces:

In versions 2 and 1, horizontal bracing is achieved using the Layher AR Alu O-ledger. Insert the O-ledger, drive the wedges into the rosette of the base collar.

For version 4, aluminium tube Ø48.3 x 4 mm, material EN AW-6005A T6 is used in conjunction with Layher standard couplers 48.3 mm, Art.No. 4700.019. Attach all row diagonals to the 2 legs with 2 standard couplers, tighten the screws with the specified torque of 50 Nm. Attach all axis horizontals to the 3 legs with 3 standard couplers, tighten the screws with the specified torque of 50 Nm.

The row diagonals must be mounted in all rows and the axis diagonals in all axes, without any exception.



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

Grid 200 x 100 cm
Base Construction **Alu**
Alu Diagonal & Horizontal Bracing

Safety Instructions

TÜV Thüringen e.V. Ernst-Ruska-Ring 6 07745 Jena

nivtec-flexibel Bühnensysteme GmbH
Walter-Freitag-Str. 31
42899 Remscheid



TÜV Thüringen e.V.

Service-Center Ostthüringen
Ernst-Ruska-Ring 6
07745 Jena
Telefon 03641 3997-0
Telefax 03641 3997-60
Vorstandsvorsitzender
Volker Höhnisch
Vereinsregister Erfurt, VR 160061

E-Mail: fliebau@tuev-thueringen.de
Internet: www.tuev-thueringen.de

Prüfstelle für Festigkeit und
Fliegende Bauten

Ihr Zeichen	Ihre Nachricht	Unser Zeichen	Direktkontakt
—		Schu	35

Datum
05.11.2025

Stage Building with nivtec Staging System
Safety Instructions
for the assembly of stages, galleries and other structures in
accordance with certificate 3300-12623-2025

Testing Specification: - DIN EN 13814: 2005-06
- Guideline for Assembly and Operation of Temporary Structures
(M-FIBauR) as of June 2010
- VdTÜV instruction leaflet 1507:2013-04

other applicable documents: - catalogue of nivtec-flexibel Bühnensysteme GmbH
- assembly instructions, set-up rules and set-up schemes
nivtec-flexibel Bühnensysteme GmbH
(additions valid at date of stage assembly)

The safety instructions listed below

- 1.0 – max. approved spindle way of Layher scaffolding spindles
- 2.0 – bracing specifications for stage heights $\geq 80 - 200$ cm
- 3.0 – mixed installation of various nivtec leg types in stages
- 4.0 – mixed installation of various nivtec leg types in galleries
- 5.0 – stages for events with rhythmic loads such as dancing
- 6.0 – stages for presentations with high point loads

were created in close coordination with TÜV Thüringen as a supplement to the existing documentation
such as catalogues and assembly instructions.

The specifications contained herein must be strictly adhered to in order to ensure the stability of the stage
and gallery constructions and thereby the safety of the users.

S. Schubert

Dipl.-Ing. S. Schubert

Attachments: Safety Instructions 1.0 to 6.0

V 1.202

Qualität und Sicherheit aus dem Herzen Deutschlands

TÜV®

Stage Building with nivtec Staging System

Maximum permitted spindle way for Layher LS scaffold spindles in combination with nivtec LV aluminium load distributor legs

Fig. 1.1

Layher scaffold spindle 20 cm
5602.020

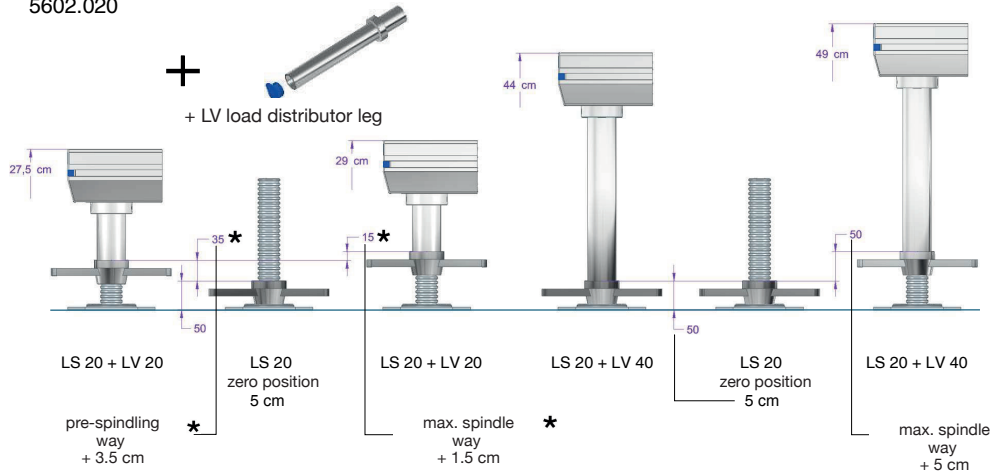


Fig. 1.3

Layher scaffolding spindle 60 cm
4001.060

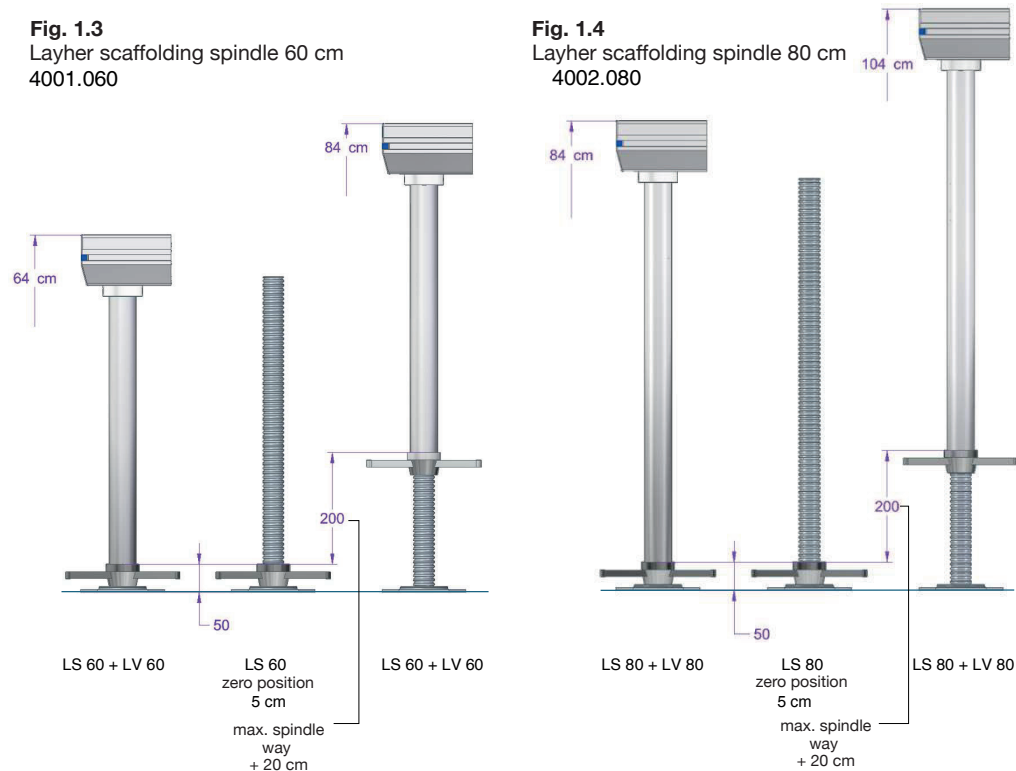
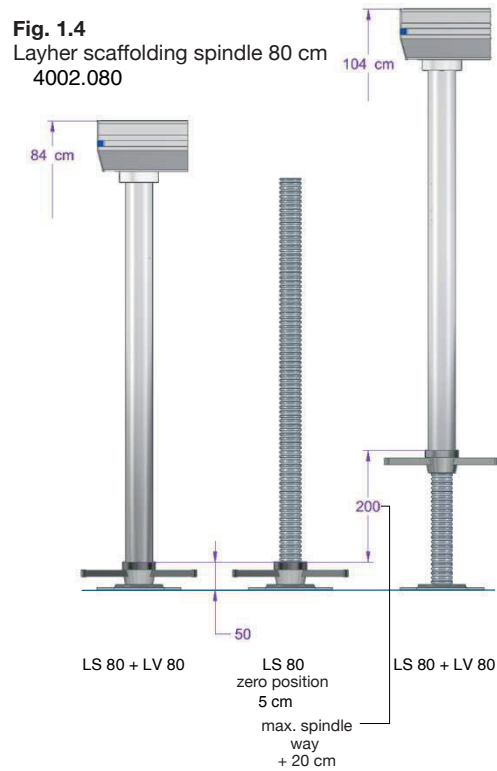


Fig. 1.4

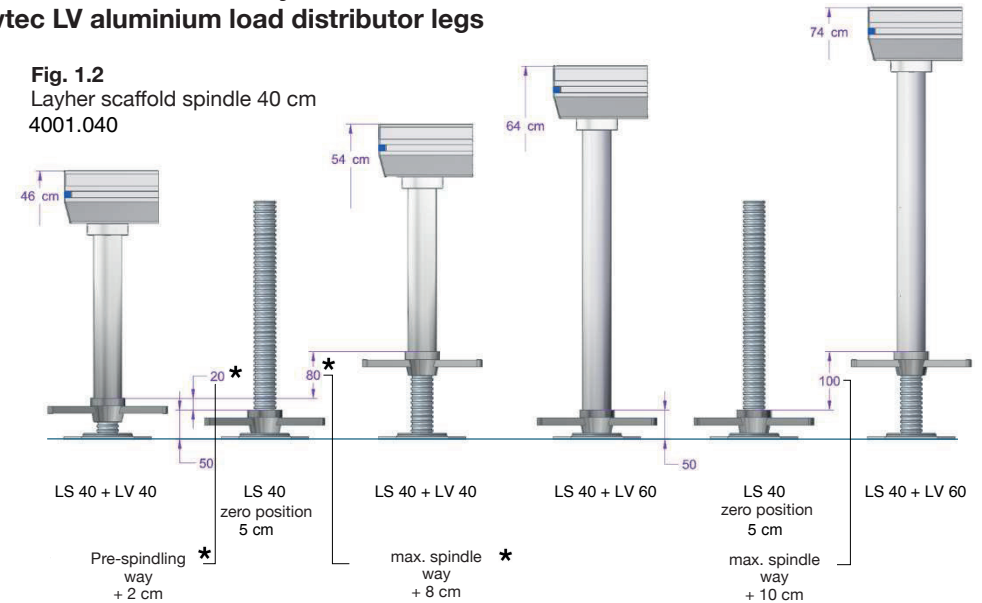
Layher scaffolding spindle 80 cm
4002.080



Safety Instruction 1.0

Fig. 1.2

Layher scaffold spindle 40 cm
4001.040



height +/- 0,5 cm = top edge of platform in cm	LS in cm	max. permitted spindle way in cm	LS + nivtec LV leg for sh in cm
27,5 – 29	20	1,5 *	20
44 – 49		5	40
46 – 54	40	8 *	40
64 – 74		10	60
64 – 84	60	20	60
84 – 104		20	80
84 – 104	80	20	80
104 – 124		20	100
124 – 144		20	120
144 – 164		20	140
164 – 184		20	160
184 – 200		16	180

When using Layher LS scaffold spindles in combination with nivtec LV aluminium load-distributor legs, it is essential to not exceed the maximum permitted spindle way specified in Fig. 1.1, Fig. 1.2, Fig. 1.3 and Fig. 1.4.

The production of interchangeable legs in steel and/or aluminium versions in special lengths for use with Layher scaffold spindles has been discontinued at nivtec. Existing legs and bracings made of steel must be used in accordance with the nivtec aluminium bracing regulations.

Detailed information on the mixed installation of different types of nivtec legs made of aluminium and/or steel as well as the positioning of the diagonal and horizontal bracing made of aluminium and/or steel is provided in safety instruction 3.0 for stages and in safety instruction 4.0 for galleries. These requirements must be strictly adhered to.

- * when using a 20 cm leg, a pre-spindle way of 3.5 cm is mandatory
 - * when using a 40 cm leg, a pre-spindle way of 2 cm is mandatory
- Diagonal bracing from stage height ≥ 80 cm
additional horizontal bracing from stage height >140 cm

Stage Building with nivtec Staging System

Bracing regulations for stage heights ≥ 80-200 cm with positioning of the aluminium diagonal and horizontal bracing

The bracing of the nivtec staging system with aluminium diagonal and horizontal braces must be executed in accordance with the aluminium bracing regulations nivtec alu in the aluminium variant.

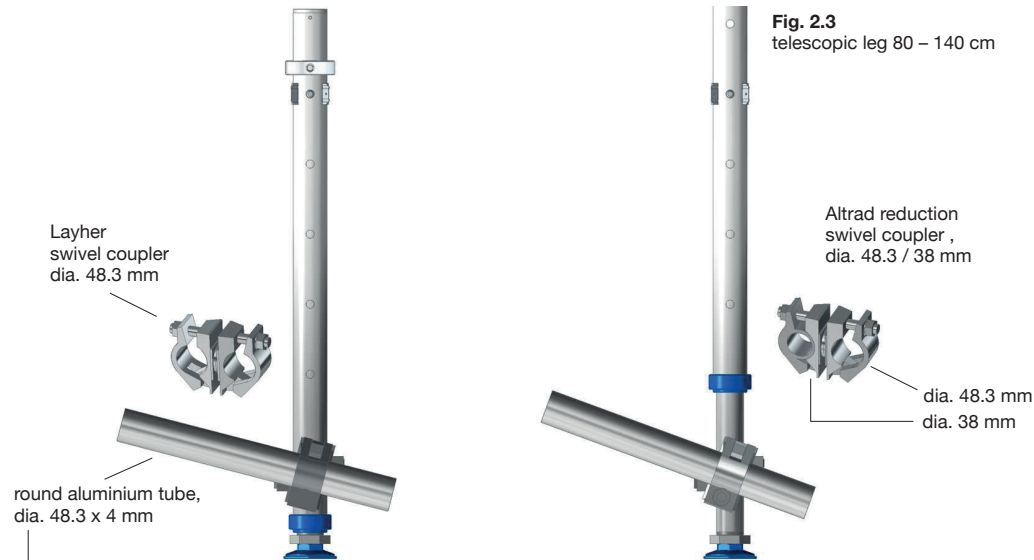
For bracing variant 4 – swivel coupler /swivel coupler – the regulations as per Fig. 2.1 apply.

For the other bracing variants 1 – wedge head / wedge head, 2 – wedge head / semi coupler and 3 – semi coupler / semi coupler, the regulations as per Fig. 2.2 apply.

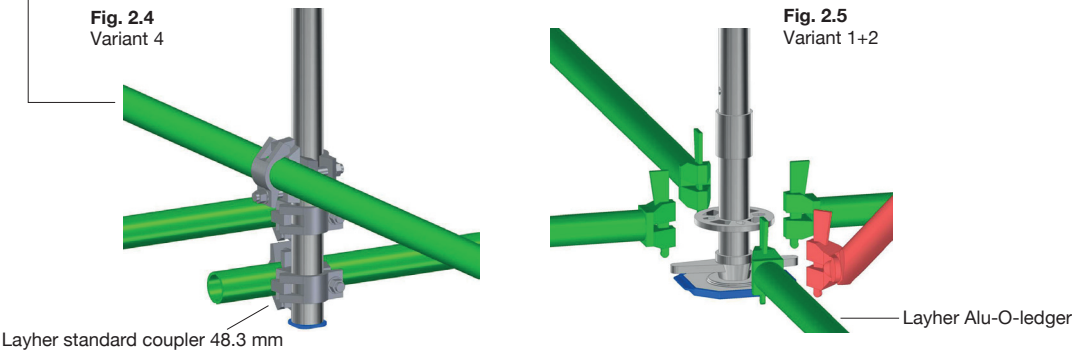
When using Layher LS scaffold spindles in combination with nivtec LV aluminium load distributor legs, it is mandatory to adhere to the maximum permitted spindle ways in accordance with safety instruction 1.0. The production of interchangeable legs in steel and/or aluminium versions in special lengths for use with Layher scaffold spindles has been discontinued at nivtec. Existing legs and braces made of steel must be used in accordance with bracing regulations nivtec alu.

Detailed information on the mixed installation of different types of nivtec legs made of aluminium and/or steel as well as the positioning of the diagonal and horizontal bracing made of aluminium and/or steel is provided in safety instruction 3.0 for stages and in safety instruction 4.0 for galleries. These requirements must be strictly adhered to.

Diagonal Bracing



Horizontal bracing



Safety Instruction 2.0

Fig. 2.1. Bracing regulations variant 4 diagonal bracing from stage height ≥ 80 cm

for leg length	for leg distance	Art. No.	article description
80 – 100 cm	100 / 85 cm	200 31 1	Aluminium diagonal BL: 100/ 85 cm sh: 80-100cm L: 1300 mm
80 – 100 cm	200 / 185 cm	200 31 3	Aluminium diagonal BL: 200/185 cm sh: 80-100cm L: 2250 mm
>100 – 140 cm	100 / 85 cm	200 31 2	Aluminium diagonal BL: 100/ 85 cm sh: >100-140 cm L: 1500 mm
>100 – 140 cm	200 / 185 cm	200 31 4	Aluminium diagonal BL: 200/185 cm sh: >100-140 cm L: 2400 mm
>140 – 180 cm	100 / 85 cm	200 32 4	Aluminium diagonal BL: 100/ 85 cm sh: >140-180 cm L: 1500 mm
>140 – 180 cm	200 / 185 cm	200 31 6	Aluminium diagonal BL: 200/185 cm sh: >140-180 cm L: 2500 mm
>180 – 200 cm	100 / 85 cm	200 32 0	Aluminium diagonal BL: 100/ 85 cm sh: >180-200 cm L: 1750 mm
>180 – 200 cm	200 / 185 cm	200 32 1	Aluminium diagonal BL: 200/185 cm sh: >180-200 cm L: 2750 mm

Attention: When using LS 60 cm with LV 60 cm, an Altrad reduction swivel coupler 48.3 / 38 mm must be attached at the bottom of the scaffold spindle in the same manner as at the inner tube of extended telescopic legs – see Fig. 2.3.

additional horizontal bracing from stage height > 140 cm Fig. 2.4

for leg length	for leg distance	Art. No.	article description
> 140 - 200 cm	100 / 85 cm	200 31 7	Aluminium horizontal BL: 100/ 85 cm L: 1100 mm
	200 / 185 cm	200 31 5	Aluminium horizontal BL: 200/185 cm L: 2100 mm

Abb. 2.2. Bracing regulations variant 1, 2, 3 diagonal bracing from stage height ≥ 80 cm

Variant 1 (wedge/wedge) Variant 2 (wedge/semi coupler) Variant 3 (semi coupler/semi coupler)	max. stage height	aluminium diagonal bay height	rosette		
			Variant 1	Variant 2	Variant 3
nivtec aluminium leg 60 cm	60 cm				
nivtec aluminium leg 60 cm + Layher spindle 60	80 cm	0,475 m	1 + 1*	1*	0
nivtec aluminium leg 60 cm + Layher spindle 60 + base collar	100 cm	0,475 m	1	0	
nivtec aluminium leg 80 cm	80 cm	0,475 m	2	1	0
nivtec aluminium leg 80 cm + Layher spindle 80	100 cm	0,475 m	2	1	0
nivtec aluminium leg 80 cm + Layher spindle 80 + base collar	120 cm	0,675 m	1	0	
nivtec aluminium leg 100 cm	100 cm	0,675 m	2	1	0
nivtec aluminium leg 100 cm + Layher spindle 80	120 cm	0,675 m	2	1	0
nivtec aluminium leg 100 cm + Layher spindle 80 + base collar	140 cm	0,875 m	1	0	
nivtec aluminium leg 120 cm	120 cm	0,875 m	2	1	0
nivtec aluminium leg 120 cm + Layher spindle 80	140 cm	0,875 m	2	1	0
nivtec aluminium leg 120 cm + Layher spindle 80 + base collar	160 cm	1,075 m	1	0	
nivtec aluminium leg 140 cm	140 cm	1,075 m	2	1	
nivtec aluminium leg 140 cm + Layher spindle 80 + base collar	180 cm	1,275 m	1	0	
nivtec aluminium leg 160 cm + Layher spindle 80 + base collar	200 cm	1,475 m	1	0	

***Attention:** When using LS 60 cm with LV 60 cm, a threaded rosette must be attached at the bottom of the scaffold spindle.

additional horizontal bracing from stage height > 140 cm Fig. 2.5

Art. No.	article description
0703.017	Layher AR Alu-O-Ledger L: 2,00 m - wedge/wedge
0701.620	Layher AR Alu-O-Ledger L: 1,00 m - wedge/wedge
0710.011	Layher AR Alu-O-Ledger L: 1,85 m - wedge/wedge
0712.677	Layher AR Alu-O-Ledger L: 0,85 m - wedge/wedge

Stage Building with nivtec Staging System

Mixed installation of different nivtec leg types in stages

For stages built with nivtec stage platforms the exclusive use of nivtec original legs equipped with thread adapter and load ring is mandatory. Any approved nivtec leg types can be used: load distributor legs, levelling legs, telescopic legs, combination of load distributor legs with Layher spindles.

The legs can be used both in the current aluminium variant and in the steel variant manufactured until 2015. For this, the following conditions apply:

When using Layher scaffold spindles in combination with nivtec load distributor legs, it is essential to ensure that the nivtec aluminium regulations for the maximum spindle way of the scaffold spindle used are adhered to.

For the bracing of stages, the following applies:

For set up and bracing, the currently applicable set up rules, setup schemes and assembly instructions nivtec alu must be adhered to.

The legs connected with braces must be of the same leg type.



For stage height 80 cm Fig. 3.1, nivtec load distributor legs LV 80 cm are used.



For stage height 100 cm, Fig. 3.2, use Layher scaffold spindles LS 80 cm, reinforced, in combination with nivtec load distributor legs LV 80 cm with removable leg corks.

The following applies to bracing variant 4:

The diagonal braces (for stage heights ≥ 80 cm) and horizontal braces (additionally for stage heights > 140 cm) can be made of aluminium (EN AW-6005A T6) as well as steel (S235) with a cross-section tube diameter of 48.3 x 4 mm and corresponding couplers.

The following applies to bracing variants 1-3:

The diagonal bracing (for stage heights ≥ 80 cm) and horizontal braces (additionally for stage heights > 140 cm) can be executed with Layher aluminium diagonal braces or Layher O-ledgers specified by nivtec. The O-ledgers for bay lengths 100 / 85 cm and 200/185 cm can be used in both aluminium and steel variant.

Safety Instruction 3.0

Fig. 3.1 Stage height 80 cm



Fig. 3.2 Stage height 100 cm



Stage Building with nivtec Staging System

Mixed installation of different nivtec leg types in galleries

For galleries built with nivtec stage platforms the exclusive use of nivtec original legs equipped with thread adapter and load ring is mandatory. Any approved nivtec leg types can be used: load distributor legs, levelling legs, telescopic legs, combination of load distributor legs with Layher spindles.

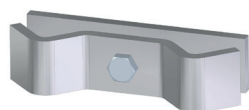
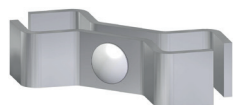
The legs can be used both in the current aluminium variant and in the steel variant manufactured until 2015. For this, the following conditions apply:

When using Layher scaffold spindles in combination with nivtec load distributor legs, it is essential to ensure that the nivtec aluminium regulations for the maximum spindle way of the scaffold spindle used are adhered to.

For galleries it is mandatory that for each level only one leg type is used.

For galleries where the combination of Layher scaffold spindles and nivtec load distributor legs is used for one or more levels, an identical leg distance of 15 cm must be ensured for the entire gallery.

For galleries with leg distance 110 mm, Fig. 4.1, the following links are used:
leg link 110 mm + rail link 110 mm



For galleries with leg distance 150 mm, Fig. 4.2, the following links are used:
leg link 150 mm + rail link 150 mm, reinforced



For the bracing of galleries, the following applies:
For set up and bracing, the currently applicable set up rules, setup schemes and assembly instructions nivtec alu must be adhered to.

The following applies for bracing variant 4:

The diagonal braces (for stage heights ≥ 80 cm) and horizontal braces (additionally for stage heights > 140 cm) can be made of aluminium (EN AW-6005A T6) as well as steel (S235) with a cross-section tube diameter of 48.3 x 4 mm and corresponding couplers.

The following applies for bracing variants 1-3:

The diagonal braces (for stage heights ≥ 80 cm) and horizontal braces (additionally for stage heights > 140 cm) can be executed with Layher aluminium diagonal braces or Layher O-ledgers specified by nivtec. The O-ledgers for bay lengths 100 / 85 cm and 200/185 cm can be used in both aluminium and steel variant.

Safety Instruction 4.0

Fig. 4.1 Gallery with leg distance 110 mm

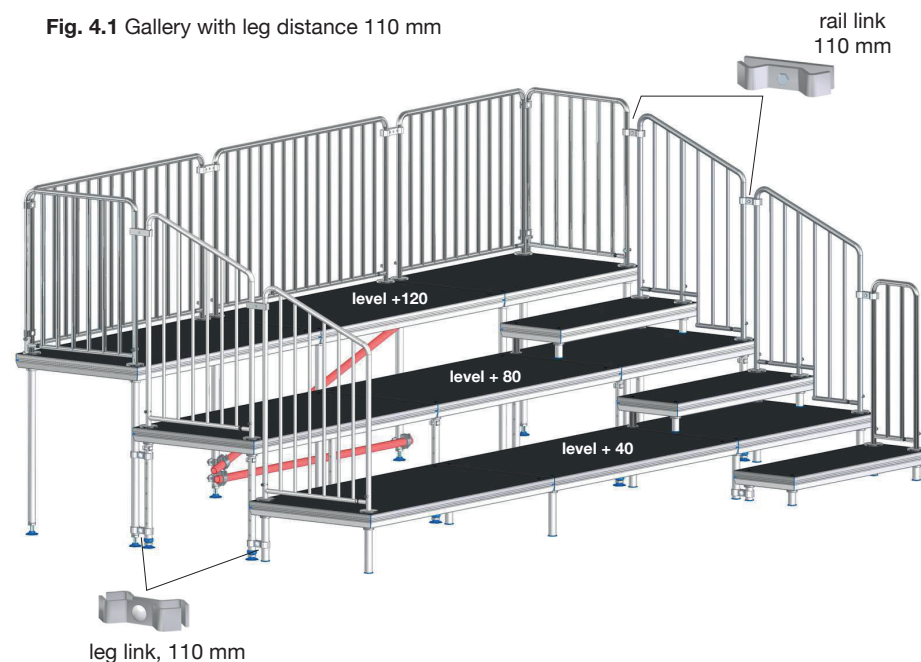
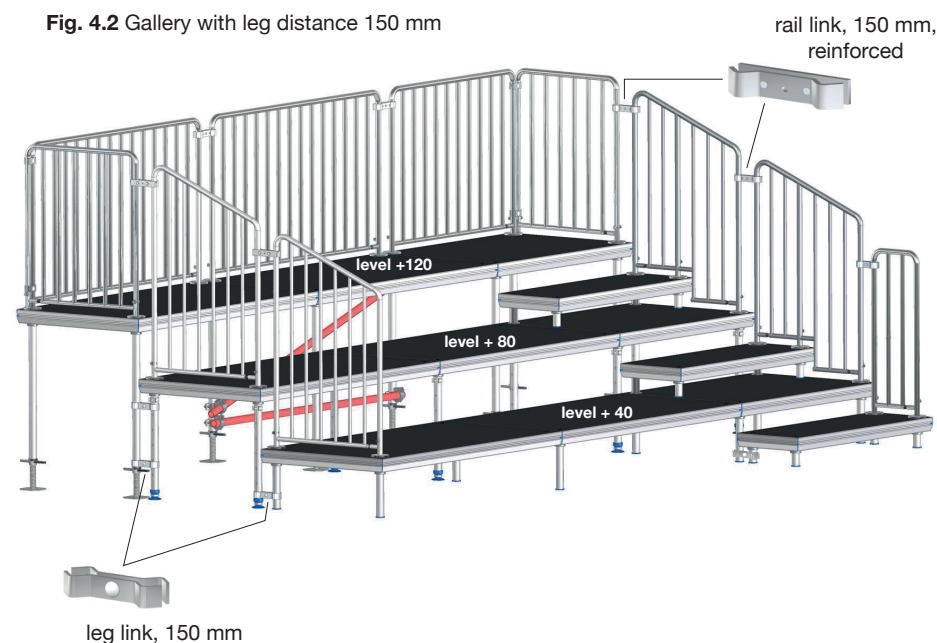


Fig. 4.2 Gallery with leg distance 150 mm



Stage Building with nivtec Staging System

Stages for events with rhythmic loads such as dancing

During dance events on stages, lively movements create a rhythmic load. To absorb this load in a suitable way, the height and size of the stage must be set in relation to the type of dance in advance.

Given the enormous variety of stage sizes and heights, as well as the different types of events, it is impossible to draw up uniform regulations that apply absolutely identically to all projects. Therefore, our recommendations below should be considered as guidelines when planning your stage.

- With rhythmic loads, the permitted distributed load is reduced from 7.5 kN/sqm to 5.0 kN/sqm.
- The stages should definitely be fitted with **rails on three sides**. This ensures the safety of the stage users and has a positive effect on the stability of the stage.
- **The ground surface must be as level as possible** to allow for the use of **fix load distributor legs LV** as the first choice. If other legs are used, the height of the stage and the levelling spindle way must be reduced. Skid-proof floor protectors must be used.
- In terms of safety, restrictions must be accepted with regard to flexibility; **the levelling spindle way must be cut in half for all legs:**
 - for **VS legs** to max. +1.5 cm – see Fig. 5.1
 - for **TF legs** to max. + 5 cm, the raster pitch must be selected accordingly,
 - max. stage heights must be reduced:
 - for TF 40 - 60 cm to max. 55 cm – see Fig. 5.2
 - for TF 60 -100 cm to max. 80 cm – see Fig. 5.3
 - for TF 80 -140 cm to max.120 cm – see Fig. 5.4
- For set up and bracing, the currently applicable set up rules, set up schemes and assembly instructions nivtec Alu must be adhered to. In addition to the regulations standard stages, additional bracing regulations must be complied with:
 - **Stage heights $\geq 80 - 120$ cm:**
The diagonals marked with * must also be used for height 80 cm. In the bracing-free corners of the stages, additional diagonal axis braces should be installed – see Fig. 5.5. For a 6 x 6 m sample stage, this means 4 pieces on the outer sides. For larger stages, additional diagonal axis braces must also be used every 6 m.
 - **Stage heights > 120 cm to 200 cm:**
In addition to the diagonal bracing, horizontal bracing must be installed in all axes and rows in the same manner as for standard stages exceeding 140 cm. The spindle way must be cut in half.
 - **Stage heights < 80 cm:**
Depending on the dance event and especially when using telescopic legs, diagonal braces must also be used for stage heights below 80 cm. The first diagonal brace is installed in row 1 at the start platform, all other diagonal braces follow after every 2 metres in a clockwise direction – see Fig. 5.6. For a sample stage 6 x 6 m, 6 diagonal braces are required. For larger stages, additional diagonal axis braces must be used every 6 m.

A rehearsal performance of the planned dance event after the set up in accordance with the set up schemes and additional regulations is an indispensable measure to test the stability of the stage with regard to the actual rhythmic load to be expected. If necessary, a third swivel coupler can be attached to the otherwise free-standing centre leg at the outer diagonal axis braces as a further stabilisation measure.

Please check your stock of materials in good time before the next event so that you can obtain the necessary parts in good time to be able to ensure the stability of the stages and thereby the safety of the users.

Safety Instruction 5.0

Spindle way & maximum stage height

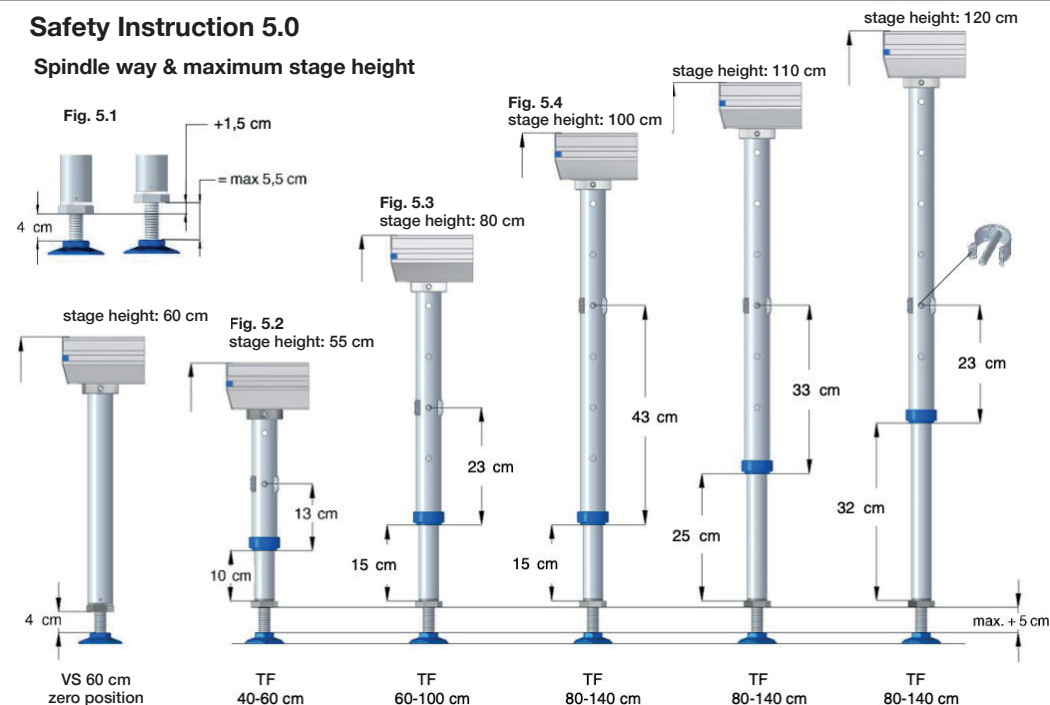


Fig. 5.4 set up schemes for stages $\geq 80 - 120$ cm

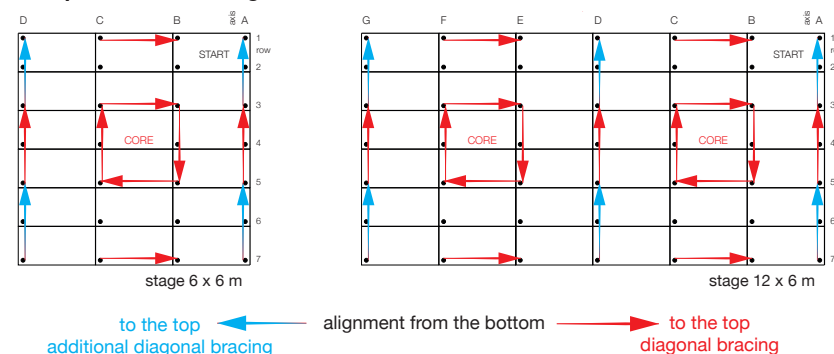
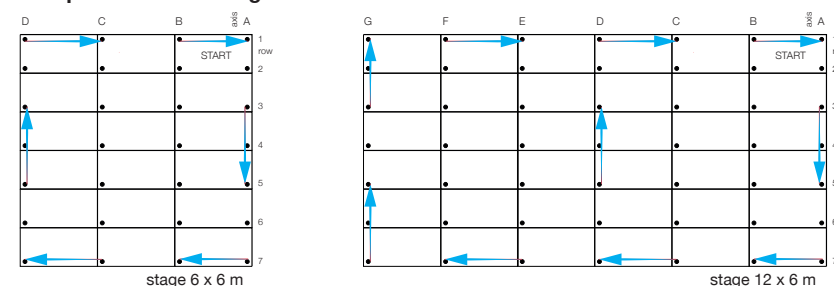


Fig. 5.6 set up schemes for stages < 80 cm



Stage Building with nivtec Staging System

Stages for presentations with high point loads

nivtec stages made of nivtec platforms with 12 mm multiplex plywood panels have a maximum distributed load of 7.5 kN/sqm, tested in accordance with DIN EN 13814 – temporary mobile structures.

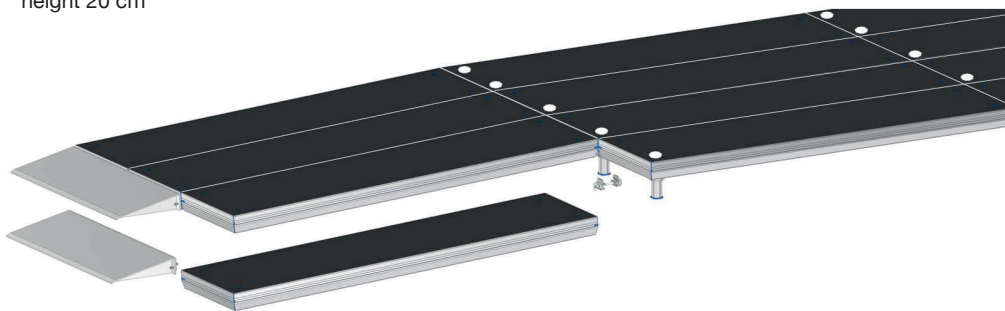
Mobile stages / temporary mobile structures are usually open to one side (the audience areas), demarcated from the audience, usually raised playing areas / scenic areas, which serve for the performance of participants, individual persons or groups.

If stages or parts of stages are used for other purposes, the existing stability certificates are not sufficient from the point of view of construction law. If necessary, further calculations must be made. Point loads are not permitted on the platforms when the stages are in use, i.e., wheel loads from heavy musical instruments, machines or other objects must always be distributed over an area in a suitable manner. This is achieved either by placing suitable material on the stage surface or by applying an extensive underpinning in that area below the stage. The same applies to ramps and other constructions created with nivtec material.

Presentation areas are typically smaller than 6 m in width and/or depth and are to be regarded as small stages. - see Fig. 6.1. They are often constructed with platforms in smaller dimensions, for example 200 x 50 cm. - see Fig. 6.2., Fig. 6.3. and Fig. 6.4. The bracing core is the same size as when using 200 x 100 cm platforms. The use of platforms with dimensions smaller than 200 x 100 cm does not exempt the user from the requirement to distribute the point loads over a wide area.

During set up and bracing, the current set up rules, set up schemes and assembly instructions nivtec Alu must be adhered to. In addition to the regulations, additional measures must be taken. A trial set up is an indispensable measure to test the stability of the structure. nivtec shall accept no liability for the installation or rolling up of heavy objects with high point loads on nivtec stages.

Fig. 6.2 Stage 4 x 2 m with ramp
2 x 2 m made of 4 platforms 2 x 0.5 m
height 20 cm



The set up may only be carried out in accordance with the nivtec principle 4-2-2-1.

***Stages with uneven stage sizes** are frequently constructed first along the depth (Start 1) and subsequently expanded laterally across the width. For this, platforms with smaller dimensions (usually 1 m) are hooked into the 2 m groove side of the transverse-positioned platforms. (Start 2) with their tongue side. In this case, additional legs must be installed. It is best to set up the complete first row of platforms, which is hooked in, as with a standard stage starting with the first platform on 4 legs and then add all further platforms to the front equipped with 2 legs each. Without additional legs, there is otherwise a weak point here from a structural point of view, which leads to bending of the frame profiles and thereby to stresses in the panels during use.

Safety Instruction 6.0

Fig. 6.1 Stage 4 x 2 m
made of 4 platforms 2 x 1 m
height 100 cm with bracing

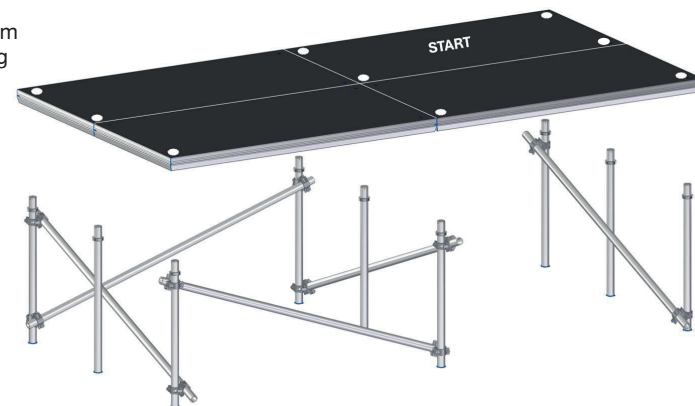


Fig. 6.3 Stage 4 x 2 m
made 8 platforms 2 x 0.5 m
height 100 cm with bracing

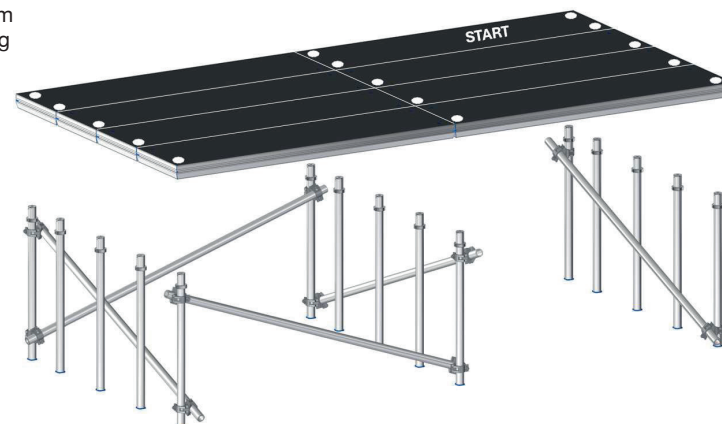
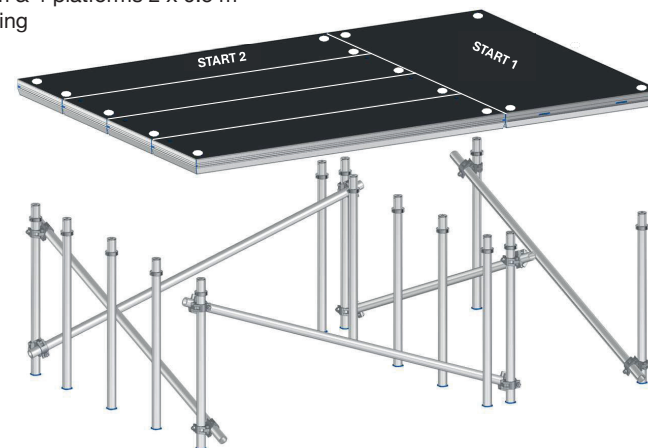


Fig. 6.4 Stage* 3 x 2 m
made of platform 2 x 1 m & 4 platforms 2 x 0.5 m
height 100 cm with bracing



VI. Price List Scaffolding Parts



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

Grid 200 x 100 cm
Base Construction **Alu**
Alu Diagonal & Horizontal Bracing
Price List Scaffolding Parts

Edition 2.0 - 2026
valid form 26.06.2026

Layher scaffold spindles and coupler (marked with L) are available ex stock. All other Layher parts are not standard stock items. They can be purchased in Germany as well as abroad directly at Layher sales points using the article number listed. **nivtec can only execute orders for non-stock Layher parts for order values exceeding € 1.250,00 based on list prices.**

Packing and freight charges from Layher to nivtec are to be borne by the client.

The number of parcels has doubled during the recent two years. Often they contain just two parts with different sizes or even just one single item. That considerably complicates packing and requires a lot of filling and protection material. For environment's sake and also for economic reasons we have to establish the following restriction: **the minimum order value is € 125,00 based on list prices.** Below this limit we implement a service charge of € 12,50 (+VAT)

Information for packing and freight of scaffolding parts

Due to the current international situation prices for packing and freight have risen dramatically. When placing order please carefully consider weight and length of the parts ordered. Most of the scaffolding parts can be packed on euro paletts 120 x 85 cm. These are adjusted in length and secured with belts with tension 4 to, 1,6 to or 0,8 to. Layher scaffolding spindles can be stacked on euro paletts, which depending on the quantity ordered measure up to 140 x 100 cm.

*** **ATTENTION – excess length !**

Diagonals exceeding 240 cm cannot be loaded into trucks with standard load floor with of 245 cm in the normal manner. They have to be packed on special paletts, size 265 – 285 x 35 x 35 cm and placed cross in the truck.

Please plan your orders with care and try to fill the paletts to their maximum capacity in order to reduce the number of packages required to a minimum. This will help to keep packing and freight charges at the lowest possible level.

*	L = stock item, subject to prior sale
**	G = invoicing as scaffolding part
***	ATTENTION – excess length!

Item	Art. No.	Description	€/piece	*	kg/piece	**	Length / mm	***
0	200 06 8	floor protector for scaffold spindle skid-proof	6,25 €	L	0,10	G	181	
1	5602.020	Layher scaffold spindle 20 cm	22,50 €	L	2,30	G	225	
2	4001.040	Layher scaffold spindle 40 cm	23,50 €	L	2,90	G	408	
3	4001.060	Layher scaffold spindle 60 cm	24,00 €	L	3,60	G	565	
4	4002.080	Layher scaffold spindle 80 cm reinforced	34,00 €	L	4,90	G	735	

diagonal bracing ≥ 80 - 200 cm

Version 3								
5	0731.040	Layher AR alu diag.brace bay: l 2,00 / h 0,475 m - sc/sc	102,00 €		4,15	G	2136	
6	0731.041	Layher AR alu diag.brace bay: l 2,00 / h 0,675 m - sc/sc	103,00 €		4,30	G	2217	
7	0731.042	Layher AR alu diag.brace bay: l 2,00 / h 0,875 m - sc/sc	104,00 €		4,45	G	2293	
8	0731.043	Layher AR alu diag.brace bay: l 2,00 / h 1,075 m - sc/sc	105,00 €		4,60	G	2378	
Version 2								
9	2602.019	Layher rosette clampable SW:19 forged	41,00 €		1,00	G	161	
10	2602.000	Layher base collar with rosette	17,50 €		1,40	G	235	
11	0731.044	Layher AR alu diag.brace bay: l 2,00 / h 0,475 m - wh/sc	97,00 €		4,00	G	2120	
12	0731.045	Layher AR alu diag.brace bay: l 2,00 / h 0,675 m - wh/sc	98,00 €		4,15	G	2171	
13	0731.046	Layher AR alu diag.brace bay: l 2,00 / h 0,875 m - wh/sc	99,00 €		4,30	G	2254	
14	0731.047	Layher AR alu diag.brace bay: l 2,00 / h 1,075 m - wh/sc	101,00 €		4,45	G	2345	
15	0731.048	Layher AR alu diag.brace bay: l 2,00 / h 1,275 m - wh/sc	103,00 €		4,60	G	2440	***
16	0731.677	Layher AR alu diag.brace bay: l 2,00 / h 1,475 m - wh/sc	105,00 €		4,75	G	2550	***
Version 1								
17	0730.231	Layher AR alu diag.brace bay: l 2,00 / h 0,475 m - wh/wh	86,00 €		3,64	G	2058	
18	0730.230	Layher AR alu diag.brace bay: l 2,00 / h 0,675 m - wh/wh	87,00 €		3,69	G	2116	
19	0730.229	Layher AR alu diag.brace bay: l 2,00 / h 0,875 m - wh/wh	88,00 €		3,77	G	2208	
20	0730.228	Layher AR alu diag.brace bay: l 2,00 / h 1,075 m - wh/wh	91,00 €		3,86	G	2304	
21	0730.227	Layher AR alu diag.brace bay: l 2,00 / h 1,275 m - wh/wh	92,00 €		3,96	G	2415	***
22	0730.297	Layher AR alu diag.brace bay: l 2,00 / h 1,475 m - wh/wh	93,00 €		4,10	G	2536	***
Version 4								
23	4702.019	Layher swivel coupler Ø48,3 mm	16,00 €	L	1,50	G	150	
24	5FKUP2003	Altrad reduction coupler Ø48,3/38,0, SW19	17,00 €	L	1,10	G	150	
25	200 31 3	alu diagonal brace bl: 200 / 185 cm, sh: 80-100cm, l: 2250 mm	36,00 €	L	3,34	G	2250	
26	200 31 4	alu diagonal brace bl: 200 / 185 cm, sh:>100-140cm, l: 2400 mm	38,25 €	L	3,56	G	2400	
27	200 31 6	alu diagonal brace bl: 200 / 185 cm, sh:>140-180cm, l: 2500 mm	40,00 €		3,71	G	2500	***
28	200 32 1	alu diagonal brace bl: 200 / 185 cm, sh:>180-200cm, l: 2750 mm	44,00 €		4,08	G	2750	***
29	200 31 1	alu diagonal brace bl: 100 / 85 cm, sh: 80-100cm, l: 1300 mm	20,75 €	L	1,92	G	1300	
30	200 31 2	alu diagonal brace bl: 100 / 85 cm, sh:>100-140cm, l: 1500 mm	24,00 €	L	2,22	G	1500	
31	200 32 4	alu diagonal brace bl:100 / 85 cm, sh:>140-180cm, l: 1500 mm	24,00 €		2,22	G	1500	
32	200 32 0	alu diagonal brace bl:100 / 85 cm, sh:>180-200cm, l: 1750 mm	28,00 €		2,59	G	1750	

horizontal bracing >140 - 200 cm

Version 1 + 2								
33	0703.017	Layher AR alu O-ledger bay l: 2,00 m - wh/wh	90,00 €		4,40	G	1955	
34	0701.620	Layher AR alu O-ledger bay l: 1,00 m - wh/wh	69,00 €		2,70	G	955	
35	0710.011	Layher AR alu O-ledger bay l: 1,85 m - wh/wh	87,00 €		4,15	G	1805	
36	0712.677	Layher AR alu O-ledger bay l: 0,85 m - wh/wh	59,00 €		2,45	G	805	
Version 4								
37	200 31 5	alu horizontal brace bay l: 200/185 cm l: 2100 mm	33,50 €		3,11	G	2100	
38	200 31 7	alu horizontal brace bay l: 100/ 85 cm l: 1100 mm	17,50 €		1,63	G	1100	
39	4700.019	Layher standard coupler Ø48,3 mm	15,00 €	L	1,30	G	131	

Subject to technical modifications!

Weight discrepancies within usual tolerance limits possible!

Special arrangements for considerable quantities possible!

This price list is based on our GTC listed at the end.

Prices to be understood plus VAT valid at the date of order

Delivery: ex works, acc. to our terms of delivery

Time of Delivery / Terms of Payment: to be agreed upon

Validity: from 26.06.2026

VII. General Terms and Conditions of Sales, Delivery and Payment (GTC) of the company nivtec-flexibel Bühnensysteme GmbH, Edition 2026

1. Scope

1.1 All deliveries by us are made on the basis of these Terms and Conditions. They apply to all offers, acceptances, and agreements. Our Terms and Conditions remain in effect for the entire duration of the business relationship upon placing an order or accepting delivery by the buyer. The version of the Terms and Conditions valid at the time of contract conclusion shall be decisive.

1.2 Our Terms and Conditions shall apply exclusively. Contrary or differing (including additional) terms and conditions of the buyer or third parties shall not be applicable, even if we do not expressly object to their validity in individual cases, unless we have explicitly acknowledged them in writing. Even if we deliver unconditionally or refer to a letter that contains the buyer's or a third party's terms and conditions, which are contrary or different, such actions do not imply consent to the validity of those terms and conditions.

1.3 The Terms and Conditions apply to buyers in their capacity as entrepreneurs. An entrepreneur, according to § 14 of the German Civil Code (BGB), is a natural or legal person or a legal partnership with legal capacity, who acts in the conclusion of a legal transaction in the exercise of their commercial or independent professional activity. In this context, companies are also equated with legal entities under public law and public-law special funds.

2. Offers, Conclusion of Contract

2.1 If an acceptance period is not expressly specified in our offers, the offers shall be deemed non-binding price information. A contract is only concluded when an order is executed through our written order confirmation, unconditional delivery, or invoicing.

2.2 We reserve the right to accept orders or contracts within 14 days upon receipt.

2.3 The written purchase contract, including these Terms and Conditions, shall solely govern the legal relationship between us and the buyer. It represents all agreements between the contracting parties regarding the subject matter of the contract in its entirety. Oral commitments made by us prior to the conclusion of this contract are legally non-binding, and any oral agreements between the contracting parties shall be replaced by the written contract unless expressly agreed otherwise by the contracting parties.

2.4 Unless expressly confirmed in writing, our information regarding the subject matter of the delivery or service (e.g., weights, dimensions, utility values, load-bearing capacity, tolerances, and technical data) as well as representations thereof (e.g., drawings and illustrations) are only approximate, unless exact conformity is required for the contractual intended purpose.

2.5 If the contract is based on measurements that were not taken by us, the buyer bears the risk of inaccuracies in the measurements. Our obligation is limited exclusively to the delivery of the contractually agreed-upon goods.

2.6 We would like to inform you that, except for the assembly instructions, there is no entitlement to receive documentation (including structural calculations and test reports) upon purchasing our products.

2.7 Documents required for obtaining construction permits for nivtec stages and galleries (including structural calculations and test reports) can be provided, subject to the condition that the customer agrees to a separate terms of use agreement, to the extent that we are legally and practically able to do so. A formal request must be made in writing, specifying the substructure and accessory components used. Please note that processing typically takes a minimum of approximately 4-8 weeks. The documents provided in this context are exclusively intended for submission to the relevant authorities. The buyer may not disclose, share, use, or reproduce these documents, either in their entirety or in part, with third parties.

2.8 We reserve ownership or copyright of all offers, cost estimates, drawings, illustrations, calculations, brochures, catalogs, models, tools, and other documents and aids provided to the buyer. The buyer may not disclose, share, use, or reproduce these items, either in their entirety or in part, with third parties without our explicit consent. Upon request by the seller, the buyer shall return these items in their entirety and destroy any copies made if they are no longer needed in the ordinary course of business or if negotiations do not lead to the conclusion of a contract. However, this does not apply to the storage of electronically provided data for the purpose of regular data backup.

3. Prices

3.1 The prices apply to the scope of services and delivery specified in the order confirmations. Additional or special services will be charged separately. The prices are stated in EUR ex works, excluding packaging and freight, and are subject to the applicable value-added tax for domestic deliveries. For export deliveries, additional charges such as customs duties, fees, and other public charges apply.

3.2 If no other agreements have been made, our list prices from stock or delivery plant apply. If the delivery is scheduled to take place more than four months after the conclusion of the contract, the seller's list prices valid at the time of delivery apply (minus any agreed-upon percentage or fixed discount).

3.3 Price changes due to changes in quantity or scope are reserved.

3.4 The buyer shall bear any costs for permits or structural inspections.

3.5 Unless otherwise agreed, fixed-price agreements only apply to the pure material cost. Additional or reduced quantities may result in price increases or reductions. Fixed-price agreements expire no later than six months from the date of agreement, unless otherwise specified. Special parts are typically supplied at fixed prices. Orders for special parts cannot be revoked after the order confirmation has been issued.

4. Payments

4.1 We only deliver upon receipt of advance payment, unless otherwise agreed in writing. If advance payment has been agreed upon and no payment has been made by the day of delivery, the driver is not authorized to load the goods. Any resulting additional costs are to be borne by the buyer. If partial payments have been agreed upon, the goods will only be handed over after the full purchase price has been paid.

4.2 Deviation from the advance payment requirement is only possible in exceptional cases and requires a written agreement. In the case of cash sales, payment is due immediately upon receipt of the goods.

4.3 We are entitled to credit payments first towards costs and interest, and then towards our oldest claim.

4.4 Payment by check or promissory note is excluded unless specifically agreed upon separately in individual cases. If accepted, checks or promissory notes will be accepted for payment purposes only, and the costs of discounting, taxation, and depositing shall be borne by the buyer.

4.5 If the buyer fails to make payment when due, the outstanding amounts shall accrue interest at a rate of 5% per annum from the due date onwards. The assertion of higher interest rates and further damages in the event of default remains unaffected.

5. Delivery

5.1 Deliveries are made ex works.

5.2 Any deadlines and dates for deliveries and services provided by us are always approximate unless expressly promised or agreed upon as fixed deadlines or dates. If shipment has been agreed upon, delivery deadlines and delivery dates, unless expressly stated otherwise by us, refer to the time of handover to the carrier, freight forwarder, or any other third party commissioned with transportation.

5.3 Without prejudice to our rights arising from the buyer's default, we may demand an extension of delivery and performance deadlines or a postponement of delivery and performance dates from the buyer for the period in which the buyer fails to fulfill its contractual obligations towards us. This explicitly applies to the receipt of documents to be provided by the buyer and the communication of binding measurements to us.

5.4 We shall not be liable for impossibility of delivery or delivery delays to the extent that they are caused by force majeure or other unforeseeable events at the time of contract conclusion (e.g., operational disruptions of any kind, difficulties in the procurement of materials or energy, transport delays, strikes, lawful lockouts, shortage of labor, energy or raw materials, difficulties in obtaining necessary regulatory approvals, pandemics or epidemics, governmental measures, or non-delivery, incorrect delivery, or untimely delivery by suppliers despite a congruent covering transaction concluded by the seller) that are beyond our control. Such events significantly impede or render the delivery or performance substantially impossible and the hindrance is not merely of a temporary nature, we shall be entitled to withdraw from the contract. In the case of temporary obstacles, the delivery or performance deadlines shall be extended or the delivery or performance dates shall be postponed by the period of the hindrance plus a reasonable lead time. If the buyer is no longer expected to adhere to the purchase contract due to the delay, they may withdraw from the contract by promptly notifying us in writing.

5.5 We are only authorized to make partial deliveries if:

- The partial delivery is usable for the buyer within the scope of the contractual purpose.
- The delivery of the remaining ordered goods is ensured.

The buyer does not incur significant additional effort or costs as a result (unless we agree to bear these costs).

5.6 The buyer is responsible for ensuring that the necessary conditions for delivery are met at the agreed upon time. This includes, in particular, the removal of old equipment, the protection of marble or artificial stone countertops, tiles, and furnishings to prevent breakage and damage, as well as the provision of scaffolding and electrical connections if required.

5.7 If we are delayed in delivering goods or performing services, or if delivery or performance becomes impossible for any reason, our liability for damages is limited according to the provisions of Section 11 of these terms and conditions.

6. Termination and Assignment

6.1 If the buyer has provided false information about their creditworthiness, or if their financial situation significantly deteriorates after the conclusion of the contract, or if they fall behind in fulfilling their obligations from previous transactions, we are entitled to withdraw from the contract. In this case, any outstanding claims from previous transactions become immediately due and payable. If it is determined during the examination of the statics or the on-site measurements that the installation is not possible as intended for technical reasons, we may withdraw from the contract without the buyer being entitled to compensation.

6.2 If the buyer cancels the contract with our consent before the production of the ordered goods, we are entitled to claim compensation amounting to 30% of the gross order value as a lump-sum damages, unless the buyer can demonstrate that the actual damages (costs and lost profits) incurred due to the cancellation are lower.

6.3 The transfer of the buyer's rights under the contract to a third party requires our approval.

General Terms and Conditions of Sales, Delivery and Payment (GTC) of the company nivtec-flexibel Bühnensysteme GmbH, Edition 2026

7. Delivery, Shipping, and Transfer of Risk

7.1 The place of performance for all obligations arising from the contractual relationship is Remscheid, unless otherwise specified. If we are also responsible for the installation, the place of performance is the location where the installation is to be carried out.

7.2 The shipping method and packaging are subject to our reasonable discretion.

7.3 If shipment of the goods has been agreed upon and we have not assumed responsibility for transportation or installation, the risk passes to the buyer no later than the handover of the delivery item (with the commencement of the loading process being decisive) to the carrier, freight forwarder, or any other third party designated to carry out the shipment. If the shipment or handover is delayed due to circumstances caused by the buyer, the risk passes to the buyer from the day on which the delivery item is ready for shipment and we have notified the buyer accordingly.

7.4 The buyer bears the storage costs after the transfer of risk. In case we undertake the storage, the storage costs amount to 0.25% of the invoice amount of the goods to be stored per elapsed week. We reserve the right to claim and provide evidence of further or lower storage costs.

7.5 The shipment will only be insured against theft, breakage, transportation, fire, water damage, or other insurable risks upon the explicit request of the buyer and at their expense.

7.6 Pallets and similar packaging and transportation materials are provided only for a fee.

8. Retention of Title

8.1 The following agreed retention of title serves as security for all current and future claims of ours against the buyer arising from the existing supply relationship between the contracting parties regarding nivtec stages and galleries.

8.2 The goods delivered by us to the buyer shall remain our property until full payment of all secured claims. The goods, as well as any replacements that may come into their place according to the following provisions and fall under the retention of title, shall hereinafter be referred to as "reserved goods."

8.3 The buyer shall store the reserved goods for us free of charge.

8.4 The buyer is entitled to process and sell the reserved goods in the ordinary course of business until the occurrence of the realization event (Clause 8.9). Pledging and transfer of ownership by way of security are prohibited.

8.5 If the buyer processes the reserved goods, it is agreed that the processing is carried out in our name and for our account as the manufacturer. We shall directly acquire ownership or, if the processing involves materials from several owners or the value of the processed item is higher than the value of the reserved goods, co-ownership (fractional ownership) of the newly created item in proportion to the value of the reserved goods compared to the value of the newly created item. In the event that no such ownership transfer occurs, the buyer hereby transfers its future ownership or co-ownership of the newly created item to us as security in the aforementioned proportion. If the reserved goods are combined or inseparably mixed with other items to form a single entity and one of the items is to be considered the main item, resulting in either us or the buyer acquiring sole ownership, the party that owns the main item shall transfer proportional co-ownership of the unified entity to the other party in the proportion mentioned in Sentence 1.

8.6 In the event of further resale of the reserved goods, the buyer hereby assigns to us, as security, the resulting claim against the purchaser, in proportion to our co-ownership share if applicable. The same applies to other claims that replace the reserved goods or arise in relation to the reserved goods, such as insurance claims or claims for damages in case of loss or destruction. We grant the buyer a revocable authorization to collect the assigned claims in its own name. We may only revoke this authorization in the event of realization.

8.7 If third parties, in particular through seizure, access the reserved goods, the buyer shall immediately notify them of our ownership and inform us accordingly to enable us to enforce our property rights. If the third party is unable to reimburse us for the judicial or extrajudicial costs incurred in this context, the buyer shall be liable for such costs.

8.8 We will release the reserved goods as well as the items or claims replacing them to the extent that their value exceeds the amount of the secured claims by more than 50%. The selection of the items to be released in this case is at our discretion.

8.9 In the event of the buyer's contractual breach, especially in case of payment default, if we withdraw from the contract (enforcement case), we are entitled to demand the return of the reserved goods.

9. Warranty

9.1 The statutory warranty period applies.

9.2 The delivered items must be promptly examined by the buyer or the third party designated by the buyer, and any apparent defects or other defects that would have been detectable through prompt and careful examination shall be deemed approved by the buyer if we do not receive a written notice of defects within seven working days after delivery. With regard to other defects, the delivered items shall be deemed approved by the buyer if we do not receive a notice of defects within seven working days after the defect becomes apparent; however, if the defect was already obvious during normal use at an earlier point in time, that earlier point in time shall be decisive for the start of the notice period. Upon our request, a disputed delivered item must be returned to us free of charge. In the case of justified notice of defects, we will reimburse the costs of the most economical shipping method; this does not apply if the costs increase because the delivered item is located in a place other than the intended place of use.

9.3 In the event of material defects in the delivered items, we are obligated and entitled, at our own discretion and within a reasonable period of time, to either remedy the defect or make a replacement delivery. If these remedies fail, meaning that it is impossible, unreasonable, refused, or unreasonably delayed to remedy the defect or make a replacement delivery, the buyer may choose to either withdraw from the contract or reduce the purchase price appropriately.

9.4 If a defect is attributable to our fault, the buyer may, under the conditions specified in Clause 11, claim damages.

9.5 The warranty shall be void if the buyer, without our consent, modifies or has the delivered item modified by third parties, and as a result, the rectification of defects becomes impossible or unreasonably difficult. In any case, the buyer shall bear the additional costs incurred for rectifying the defects due to such modifications.

9.6 The delivery of used items, as agreed upon with the buyer in individual cases, is made without any warranty for defects in the goods.

10. Validity of our Certificates, Expiration in case of non-approved joint use of components from other manufacturers

10.1 Our certificates for nivtec stages and galleries are only valid if the mentioned original nivtec parts and the specified scaffold components in our assembly instructions and product descriptions are exclusively used, and if the installation is carried out according to our guidelines.

10.2 If components from other manufacturers are used during the installation that are not specified scaffold components as indicated in our assembly instructions and product descriptions, the certificates are considered void in their entirety. This applies even if the components from other manufacturers have their own approvals. Without a valid certificate, the operator bears sole responsibility for the safe operation of such stages and galleries.

11. Compensation, Liability Limitations, and Exclusions

11.1 We are liable without limitation for intent, gross negligence, and in cases of deceit. In the event of slight negligence, we are liable only for the breach of a duty that is of essential importance for the achievement of the contractual purpose (cardinal obligation), limited to the typically foreseeable damage. Regardless of the legal basis, we assume no further liability unless otherwise agreed. The aforementioned limitations and exclusions of liability do not apply to claims for damages arising from injury to life, body, or health, as well as claims under the Product Liability Act. To the extent that our liability is limited or excluded, the personal liability of our agents and employees for performance and execution is also limited or excluded.

11.2 Any other or additional claims by the buyer, regardless of their legal basis, are excluded to the extent permitted by law. This applies in particular to claims for damages, unless the damage was caused intentionally or through gross negligence. This limitation of liability also applies to the personal liability of our employees and agents. The limitation of liability does not apply to claims for damages based on warranties intended to protect the buyer against the risk of consequential damages resulting from defects. Our liability is limited to the foreseeable damage at the time of contract conclusion.

12. Miscellaneous

12.1 The place of performance is the registered office of our company.

12.2 The exclusive place of jurisdiction for all disputes arising from contractual relationships with merchants, legal entities under public law, or public-law special funds, regardless of the legal basis and nature of the claim, shall be the registered office of our company. However, we reserve the right to sue the buyer at any other competent place of jurisdiction for them.

12.3 Legal relationships and legal transactions between us and the buyer are exclusively subject to German law, excluding the referral norms of international private law as well as the United Nations Convention on Contracts for the International Sale of Goods (CISG).

12.4 If individual provisions of these terms and conditions are or become ineffective or unenforceable, this does not affect the validity of the remaining provisions.