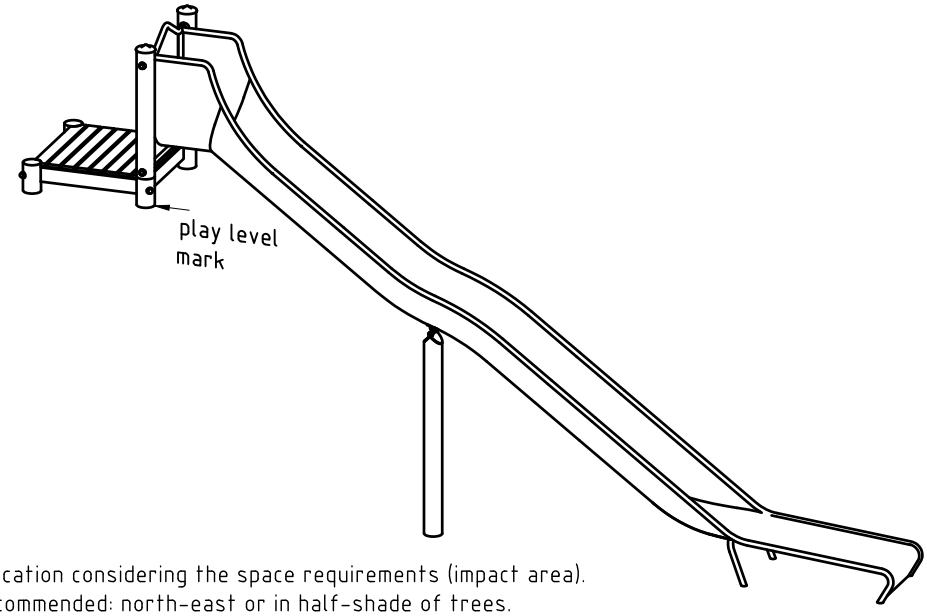
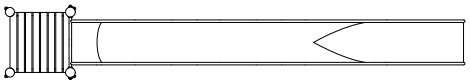



1. Assign a device location considering the space requirements (impact area). Slide direction recommended: north-east or in half-shade of trees.
2. Excavate soil for foundations, according to drawing.
   Please note: To achieve maximum stability and a safe installation, a moderate level of soil solubility is required.
3. Pour in a drain layer of gravel of approx. 10 cm thickness between the bottom of the posts and plain base of foundation.
4. Insert reinforcing steel into the corresponding holes of the posts.
5. Place posts type A and B (see foundation layout) into the respective foundation hole, according to the corresponding number. Play level mark (=aluminium blind rivet) complies with the installation depth. Align both posts type B by means of the play level mark facing into the same direction (see detail or foundation layout).
6. **For installation of the pre-assembled components and/or single parts, the screws slightly have to be lubricated with installation paste**!
   Screw together platform and posts by using the middle hole in the mounting brackets.
   **Tighten all screws <u>after having aligned</u> all components.**
   Install the slide exit with an inclination of 5° in sliding direction, so that rain water can drop off.
   <u>Screw connections see details in attached list.</u>
   We recommend not to insert the protection caps enclosed before first maintenance as they are only suitable for one-time use (see description in item No. 9).
7. Grout foundations with compressed concrete C20/25, chamfer and round off the edges, cover the foundations with a surface which meets the requirements for impact attenuation so that its critical fall height is equal to or greater than the maximum free height of fall of the equipment (acc. to EN 1176-1). The run-out section fall zone must have surfacing with a critical fall height of at least 1000 mm (acc. to EN 1176-3).
8. Release for play after concrete foundations have set.
9. According to maintenance instructions, check all screw connections after 4-5 weeks and retighten, if necessary. Afterwards cover the screw heads with the top part of the protection caps. Strongly pound them (e.g. by using a plastic mallet) until they audibly snap into the base part groove.

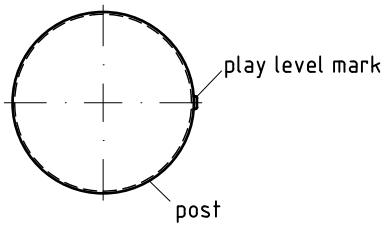
Please ensure that all special tools supplied (e.g. Allen key for secured Allen screws etc.) and all specific documents which are or may be useful for safety management acc. to EN 1176-7 (e.g. invoice, delivery note, order acknowledgement, installation instructions, maintenance instructions) are forwarded to the persons responsible.

**Necessarily insert all attachment parts before tightening the screws. It is NOT possible to insert them afterwards.**

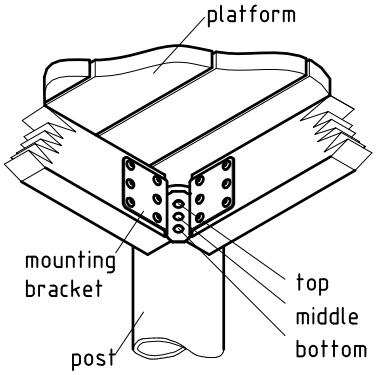
platform orientation
1:100



detail of play level mark
1:5




platform fastening
1:10



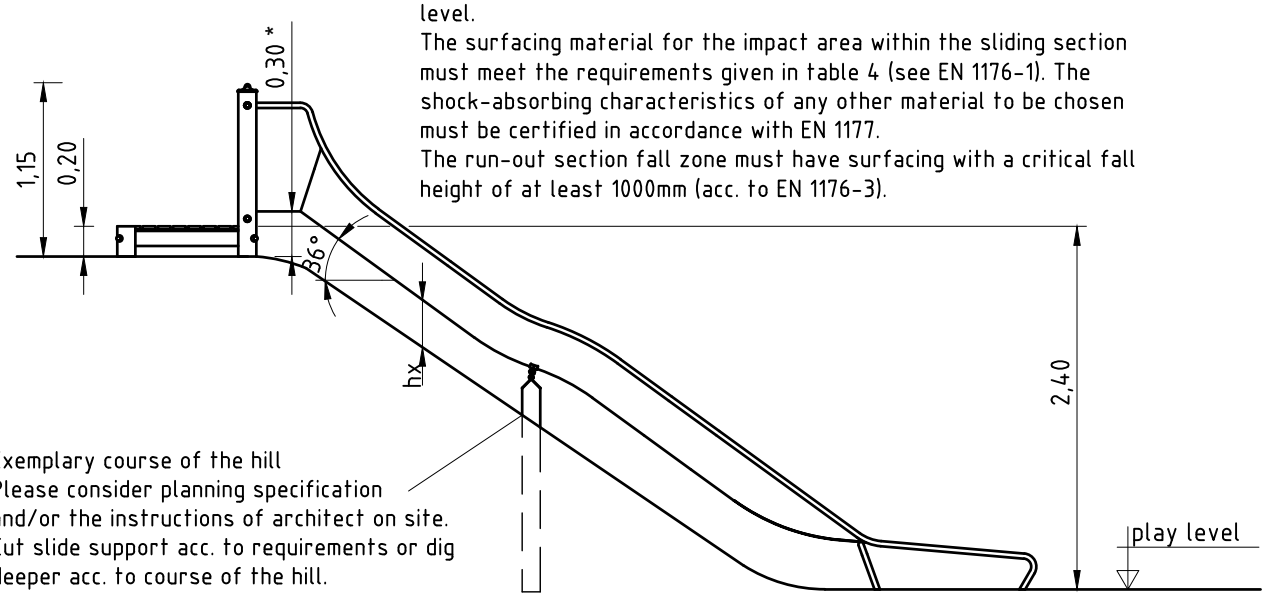



# Installation

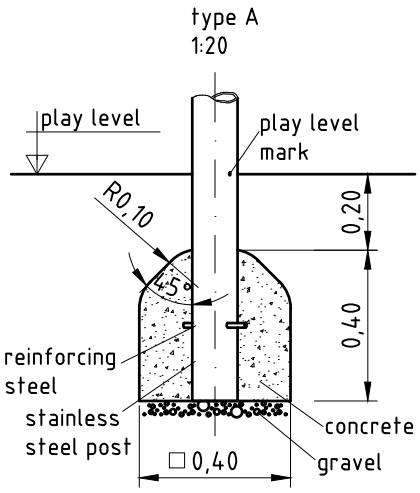
| Item-No. | Description | Scale | Date | Page |
|---|---|---|---|---|
| 0-41824-701 | K&K Hill slide (2,40) with platform (0,20) | 1:50 | 12/18 EB | 1/3 |

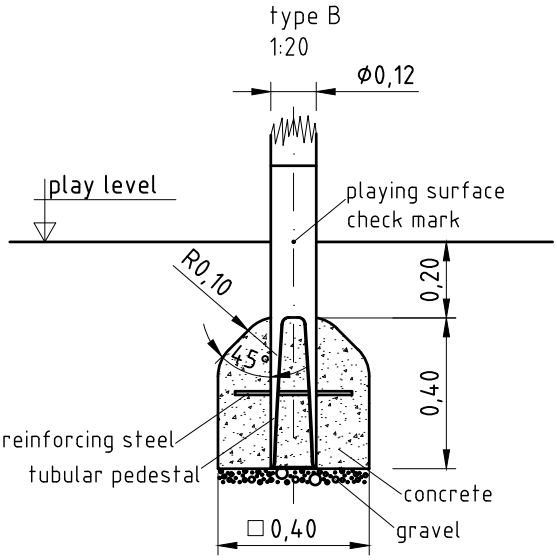
**Note: Due to the slide construction, the course of the hill must be shaped such that the fall height will not exceed 2m.**

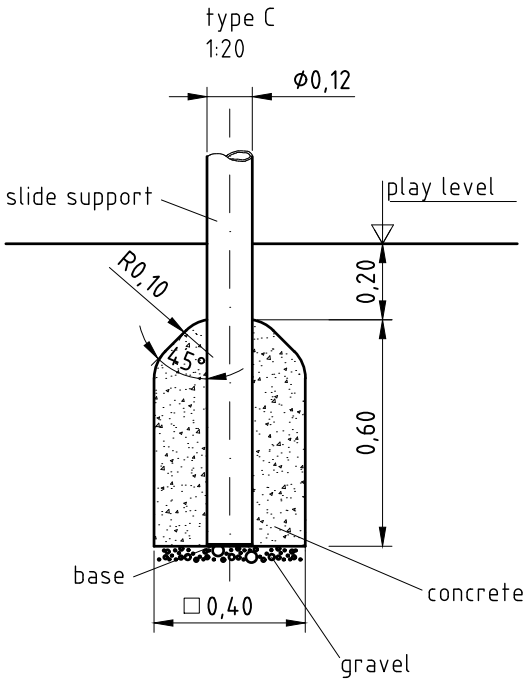
* max. free height of fall at slide entrance. Depending on the site profile, the free fall height (hx) and the size of the impact area result from the vertical distance between the bottom of the chute and ground level.
The surfacing material for the impact area within the sliding section must meet the requirements given in table 4 (see EN 1176-1). The shock-absorbing characteristics of any other material to be chosen must be certified in accordance with EN 1177.
The run-out section fall zone must have surfacing with a critical fall height of at least 1000mm (acc. to EN 1176-3).

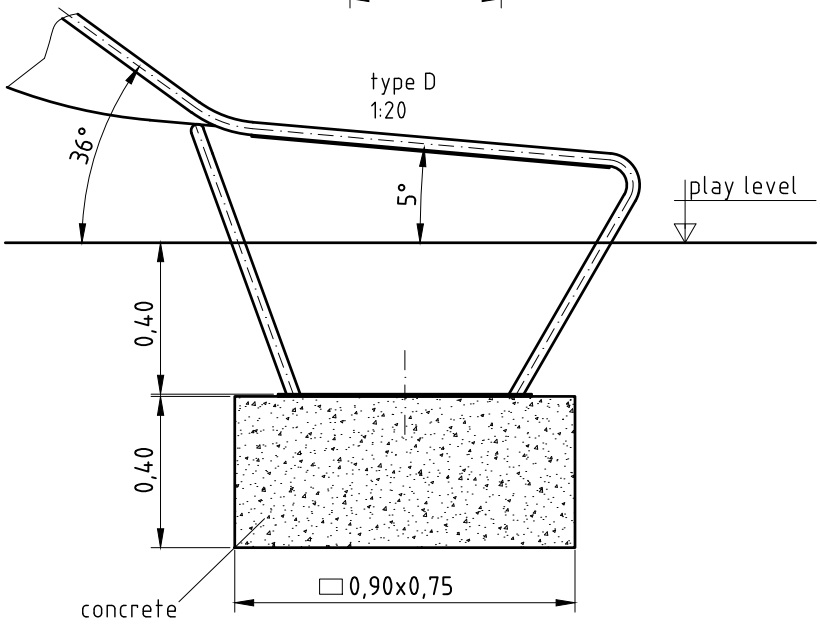



Exemplary course of the hill
Please consider planning specification and/or the instructions of architect on site. Cut slide support acc. to requirements or dig deeper acc. to course of the hill.



www.kaiser-kuehne-play.com Tel. +49(0)4254 - 93150

# Installation

Item-No. 0-41824-701

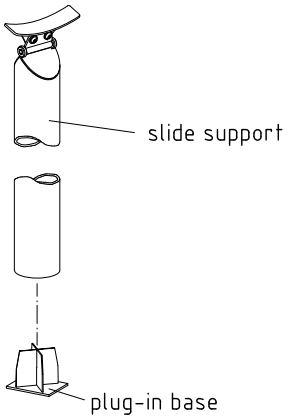
Description K&K Hill slide (2,40) with platform (0,20)

Scale 1:50

Date 12/18 EB

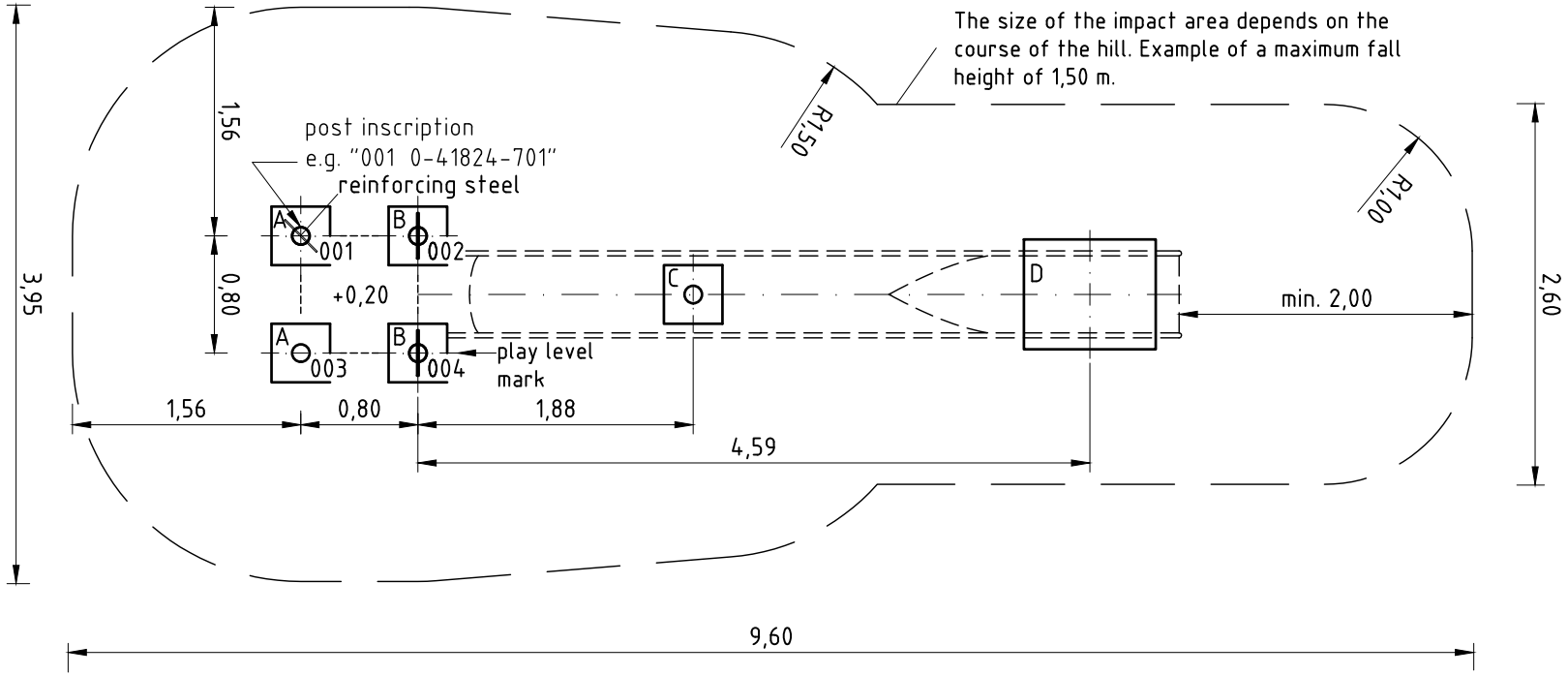
Page 3/3

**Plug-in base for slide support**
**1:20**
to be mounted as follows:
If necessary, shorten stainless steel slide support to the required length (with adequate appliance e.g. angle grinder).
Insert base from below into the stainless steel post.




Some additional instructions for the installation of K&K Hill slides

- The specified installation height of the slide=hx must be observed (distance between play level and bottom edge of the slide entrance flange).
- The starting section of the chute must be installed horizontally.
- All (straight, curved or waved sections) of the slide assembly must be installed with the correct inclination (measured in the centre of the slide trough). This does not apply to the hill slide run-out section.
- The hill slide support has to be installed such that it effectively supports the slide, that the curved sections are properly positioned without a deviation from the inclination specified .
- The hill slide run-out section must be installed with an inclination of 5°.

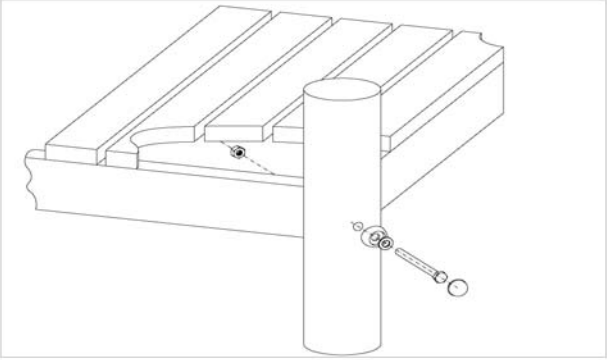


Item: **041824701** Order: 1291752

K&K Hill slide (2,40) with starting platform 0,20

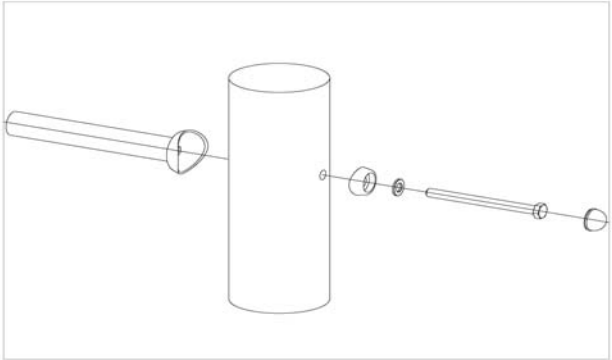
Location: Building Project:

**4 x SFES1200014 Platform at stainless steel post/tubular support (Hexagon screw with red cap/nut platform-site)**



| per SC | Total | K&K-Item | Marking |
|---|---|---|---|
| 1 x | 4 x | 3430025 | Washer Ø 13 DIN125 A2 |
| 1 x | 4 x | 3300055 | red protective screw cap - upper part, domed M12 |
| 1 x | 4 x | 3300054 | red protective screw cap - lower part, domed M12 |
| 1 x | 4 x | 3430021 | Lock nut M12 DIN985 A2 |
| 1 x | 4 x | 3400363 | Hexagon head cap screw M12 x 150 DIN931 A2 |

**4 x SFRS1210001 Standard bolting of barriers, handrails, slides to Robinia posts**



| per SC | Total | K&K-Item | Marking |
|---|---|---|---|
| 1 x | 4 x | 3300055 | red protective screw cap - upper part, domed M12 |
| 1 x | 4 x | 3300054 | red protective screw cap - lower part, domed M12 |
| 1 x | 4 x | 3430025 | Washer Ø 13 DIN125 A2 |
| 1 x | 4 x | 3400702 | Hexagon head cap screw M12 x 160 DIN931 A2 with screw security coating FGB red |

**2 x SFRS1270002 Reinforcing steel for stainless steel posts**

| per SC | Total | K&K-Item | Marking |
|---|---|---|---|
| 1 x | 2 x | 2130000 | Reinforcing steel Ø 10 x 310 DIN 488 |

**2 x SFES1270007 Reinforcing steel for tubular pedestals**

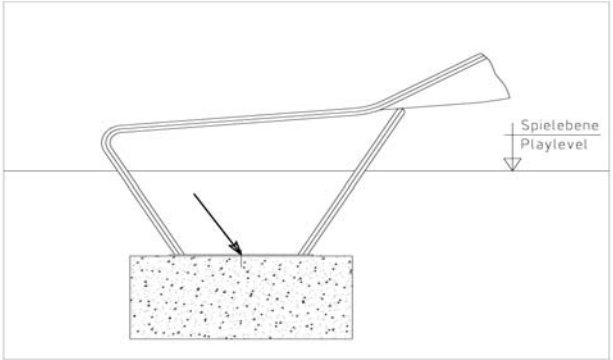
| per SC | Total | K&K-Item | Marking |
|---|---|---|---|
| 1 x | 2 x | 2130000 | Reinforcing steel Ø 10 x 310 DIN 488 |

Item: **041824701** Order: 1291752

K&K Hill slide (2,40) with starting platform 0,20

Location: Building Project:

**1 x SFAS1070007 Slide run-out section (mini) stone bolt assembly**




| per SC | Total | K&K-Item | Marking |
|---|---|---|---|
| 2 x | 2 x | 1070365 | Set of stone bolts for slide run-out section M12x160 |

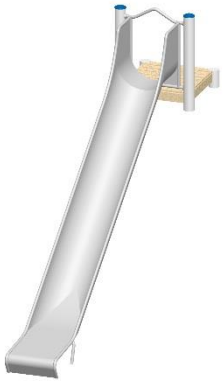
**1 x SFWZ0000014 Lubricating metal, bag (4g)**

| per SC | Total | K&K-Item | Marking |
|---|---|---|---|
| 1 x | 1 x | 5300024 | Metaflux fitting lubricant 2x4 g |

# Instructions for maintenance

Kaiser & Kühne Freizeitgeräte GmbH

In addition to the manufacturer-related service instructions, we strongly advise the operator/owner to consider the corresponding prescriptions of the European Standard EN1176-7.



**041820501** **K&K Hill slide (2,00) with starting platform 0,20 m**

One-time maintenance

| | |
|---|---|
| ☒ Check all screw connections; retighten, if necessary. | once, approx. 4-5 weeks after installation |

| Recommended regular inspection and maintenance | once a week | twice per month | once a month | four times a year | twice a year | once a year |
|---|---|---|---|---|---|---|
| ☒ Where appropriate, clean playing sand | ☐ | ☒ | ☐ | ☐ | ☐ | ☐ |
| ☒ Check cleanliness of playing and safety area. Remove any foreign object | ☐ | ☐ | ☒ | ☐ | ☐ | ☐ |
| ☒ Check cleanliness of sliding surfaces, remove protruding parts, exchange damaged sliding course coverings | ☐ | ☐ | ☒ | ☐ | ☐ | ☐ |
| ☒ In case of drying cracks, remove splinters of wood and chamfer sharp edges | ☐ | ☐ | ☒ | ☐ | ☐ | ☐ |
| ☒ Where appropriate, check synthetic surfacing material for damages or severe wear, repair or replace, if necessary | ☐ | ☐ | ☒ | ☐ | ☐ | ☐ |
| ☒ Check tightness of stand construction: stability of (vertical) posts or supports, retighten screw connections, if necessary. | ☐ | ☐ | ☐ | ☐ | ☒ | ☐ |
| ☒ Check further structural components for wear and tightness; retighten, if necessary and replace defective parts. | ☐ | ☐ | ☐ | ☐ | ☒ | ☐ |
| ☒ Check foundations and structural construction for corrosion or decay, repair or replace if necessary | ☐ | ☐ | ☐ | ☐ | ☐ | ☒ |

**Please note: The above-mentioned maintenance intervals only have recommendatory character. They must necessarily be adapted to the local circumstances of each playground (frequency of use, social setting, risk and frequency of vandalism etc.).**