

Assembly instruction

1/3

Steel Tubular Swing Frame Long part no.: 4580-2-250 for suspension height 2,50 m

Scope of supply: 4 steel posts, d= 100 mm, 3,75m long
(heaviest part of the equipment)
1 head beam - 100 x 100 - 6,00 m long
(largest part of the equipment)

Play equipment parts: According to accessories (please refer to scope of supply and freight documents)

Space required: 6,00 m x 4,00 m
incl. safety area 10,00 m x 8,20 m in direction of swinging

Recommended ground surface:

In Germany, lawn is only sufficient when the swing frame is embedded in concrete, providing a height of 2,40 m to lower edge head beam.

In Germany and Europe, at least sand, fine gravel etc. are required for public locations (suspension height 2,60m).

Required accessories:

Maybe small excavator
Ladder of about 3 m length
Barometric level, water balance
Maybe various taps
Various wrenches resp. Allen wrenches
Compactor (Frosch)
Various screw drivers

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1. Determine location according to safety distance. Excavate foundations according to foundation plan, note percolation layer. Please refer to drawing!!!
2. Lay head beam down on the ground (to avoid scratches, open packaging only as much as necessary).
3. Insert the steel tubes analogue to the angles shown in the drawing and fasten with enclosed hexagon head screws M8 x 130 with nuts and cap cover.
4. Lift frame with lifting equipment and position into foundations. See to horizontal installation, adjust if necessary.

5. Insert concrete C20/25 (B25) to at least 40 cm according to foundation plan (please refer to attached drawing)!

Upper edges of concrete are rounded (min. R = 100 mm)! Foundation sizes apply for normal soil classifications 4-5 (grown surface).

Soil classification 4: Light up to medium plasticity, interlaced, with little sediment (proportion < 30 % larger than 63 mm grain size in diameter)

Soil classification 5: Grounds of soil classification 3 and 4 with more sediment (proportion > 30 % larger than 63 mm grain size in diameter)

For safety reasons, foundations of sandy, soft grounds should be layered with a larger surface of at least 50%.

6. Mount corresponding swing bearings after concrete has set (after at least 5 days. See for stable and even position and hang in play accessories.
When hanging up the big Bird's Nest Swing part no. 4650 and the small Bird's Nest swing part no. 4550, also the double-hinged bearings with the enclosed "safety chains" have to be assembled.

The safety chains are made ready to only have the safety bearings inserted into the indicated bore holes (see drawing of examples of hanging accessories) and to have the free chain end hung up in the second link from the top with the pre-assembled shackle.

When mounting the safety swing seats part no. 4712, the simple joint bearings are sufficient!

ATTENTION! When using hanging accessories except Bird's Nest/Honeycomb Nest (part no. 4650/4550) the distances of the bore holes for the bearings can be taken from the enclosed "drawing of examples of hanging accessories"!

7. For all swings a minimum clearance of about 45 cm from upper edge play level to the lowest point of the play equipment must be given. If necessary, chains need to be shortened correspondingly!
8. All screwed connections have to be fastened with the enclosed glue. Additionally, secure the suspension bolts of the swing joints with prick punch!

MAINTENANCE NOTE

After 3 days latest „ALL“ bearings and suspension connections have to be checked if they are tight. Retighten if necessary. The bearings are maintenance-free and only have to be checked for wearing on a regular basis, which is dependent on the utilisation!

It is recommended to spray the plastic bushes with silicone spray from time to time!

From years of experience we can say that this swing frame will be used intensively which makes it necessary to check and/or maintain it more often, at least once a week.

See to also have the play equipment closed to the public during installation or dismantling, but also during repair resp. maintenance!

If you have any problems during assembly or in case you have other questions, you can call us during the week **+49 (0)64 43 / 83 11 – 51 or - 70.**

Revision 0 – 2008-10-28

First released version

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Data sheet Steel Tubular Swing Frame Long for suspension height of 2,50 m (part no. 4580-2-250)

1. Space required: 6,00 x 4,00 m resp. 10,00 x 8,20 m including safety distance
Height of fall 1,60 m

Ground surface	Description	Minimum thickness	Max. height of fall
	mm	mm	mm
Lawn, top soil			<= 1000*
Chipped bark	Grain size 20 up to 80	400	<= 3000
Wood chippings	Grain size 5 up to 30	400	<= 3000
Sand	Grain size 0,2 up to 2	400	<= 3000
Gravel	Grain size 2 up to 8	400	<= 3000
Other ground surface material	Like tested according to HIC		critical height of fall as tested

* in Germany, lawn is a sufficient ground surface for heights of up to 1,50 m

3. Total dimension of largest equipment part: 1 Head beam, length 6 m 100/100 mm, (.. kg)
4. Weight of the heaviest equipment part: 1 Package steel posts (4 pieces), 30 kg(each)
5. Intended age group: 6 years and up
6. **Attention, equipment to be embedded in concrete!**
Concrete classification: C20/25 (B25)
Concrete requirement: 0,7 m³

Size of foundation (4 x):

40 cm below OK play level; depth 40 cm, width 50 cm, length 70 cm + 10 cm percolation layer
Complete depth of foundation: 90 cm incl. 10 cm percolation layer

Upper edges of concrete are rounded (min. R = 100 mm)! Foundation sizes apply for regular soil classification 4-5 (grown surface).

Soil classification 4: Light up to medium plasticity, interlaced, with little sediment (proportion < 30 % larger than 63 mm grain size in diameter)

Soil classification 5: Grounds of soil classification 3 and 4 with more se-diment (proportion > 30 % larger than 63 mm grain size in diameter)

For safety reasons, foundations of sandy, soft grounds should be layered with a larger surface of at least 50%.

Required accessories: maybe small excavator, ladder of about 2m length, barometric level, water balance, various taps (Ø 11,13,17) , various wrenches resp. Allen wrench, compactor (Frosch) , screw drivers support battens (roof battens) for supporting the posts.

7. Spare parts which may be required can be directly obtained from your supplier or manufacturer.

Manufacturer: Huck Seiltechnik GmbH
Dillerberg 3
35614 Asslar-Berghausen
Phone +49 (0)6443 / 83 11 0
Fax +49(0) 6443 / 83 11 79
E-mail: seiltechnik@huck.net

8. We herewith confirm that this play equipment has been tested and certified according to the new play equipment norm EN1176.

Drawings / views

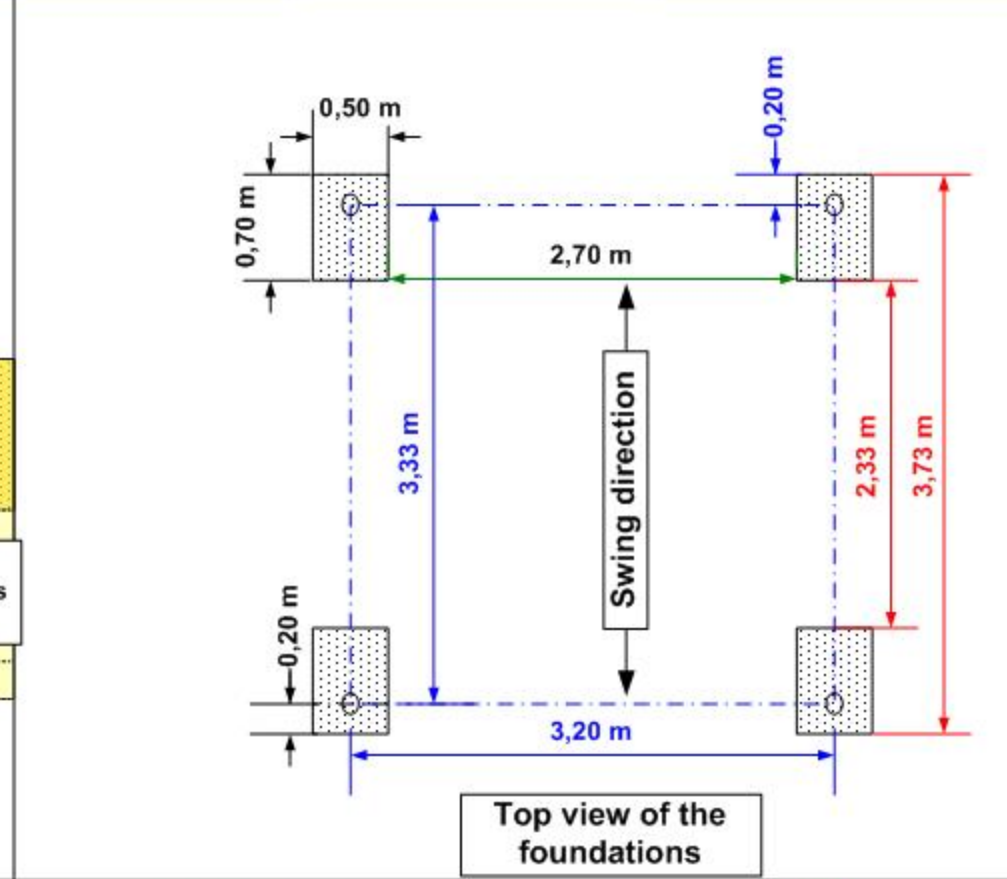
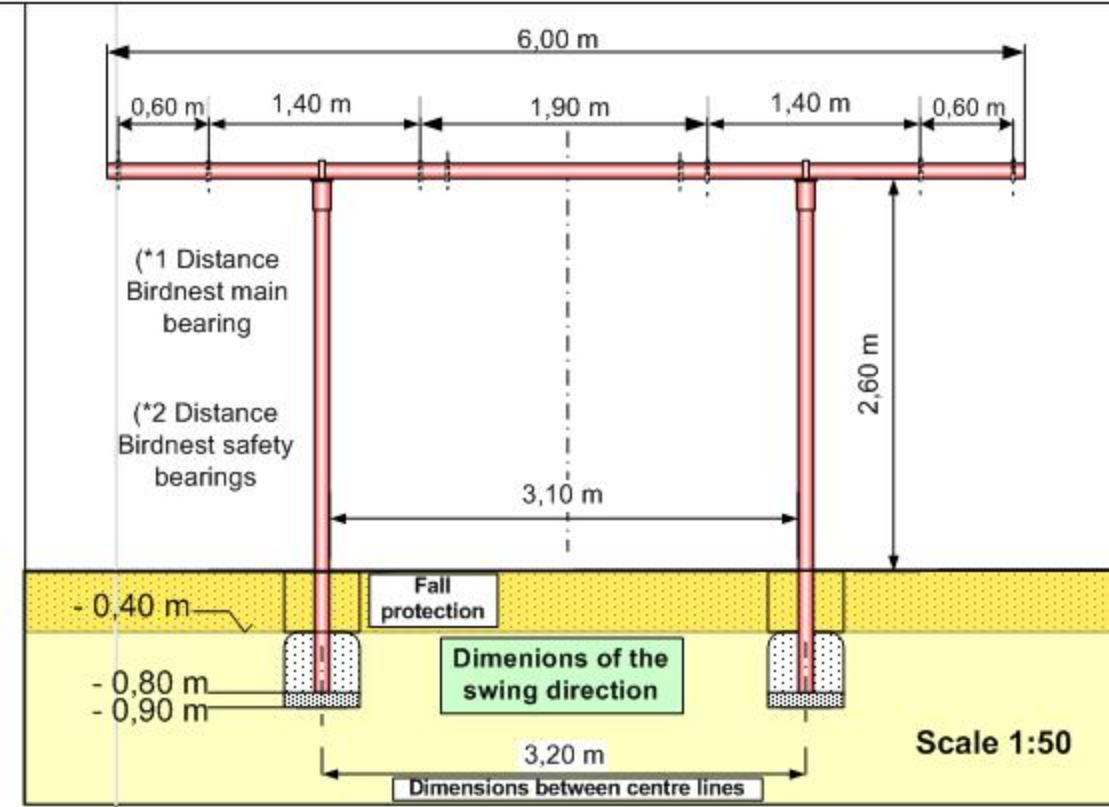
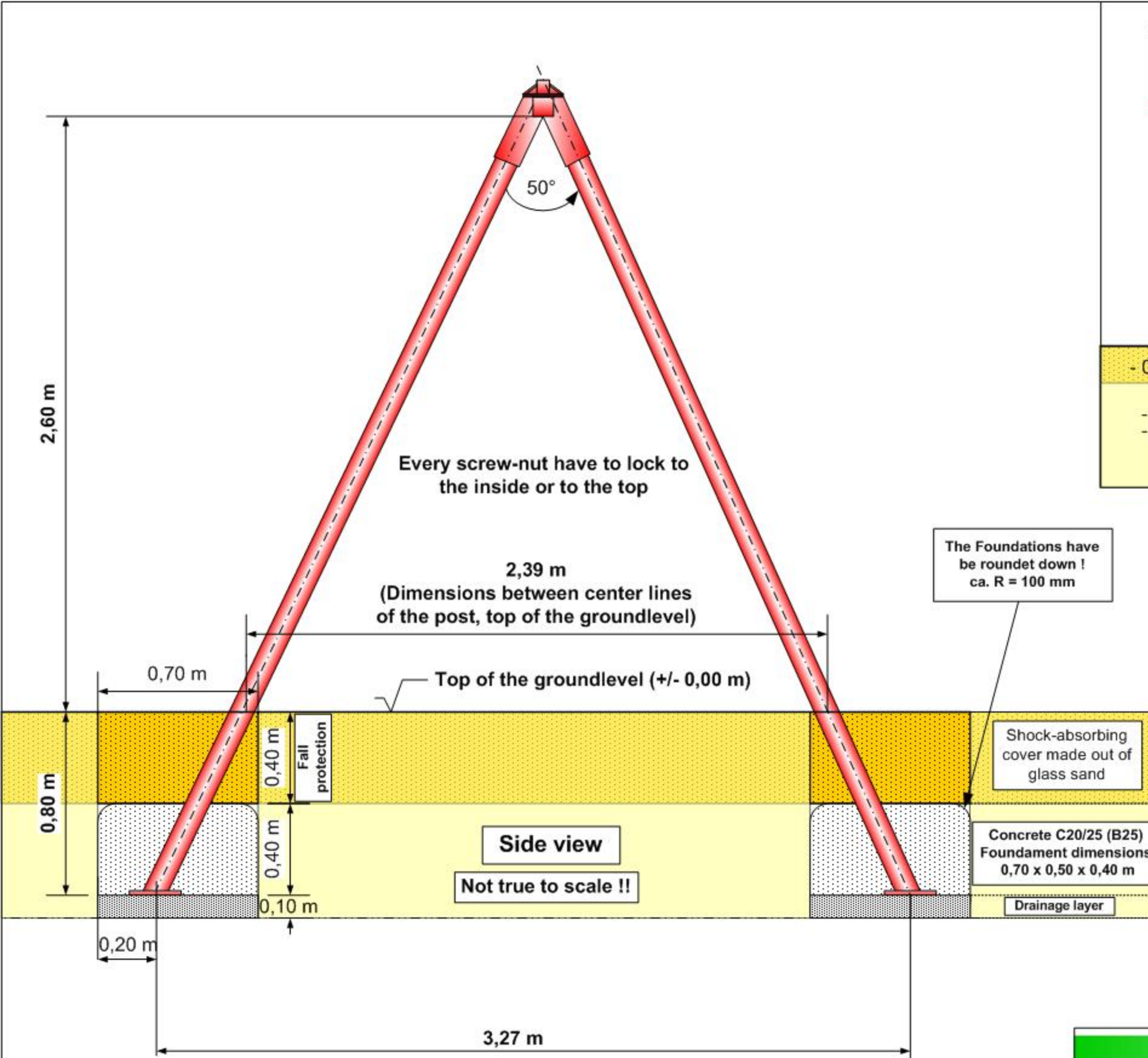
All optical illustrations simply demonstrate the proportions/dimensions to be followed, but are not binding, technical equipment images.

Technical modifications supporting the advancement of our articles are subject to change.

Measurement tolerances / dimensions

Due to the quality and characteristics of equipment parts, minor dimensional tolerances over drawings data are possible.

This regards all visible dimensions, except for foundation dimensions respectively dimensions below OK ground surface/play surface.



HUCK Seiltechnik		
Bearb.	Datum	Name
Grz.	05.09.2004	PT
	19.08.2008	PT
Huck Seiltechnik GmbH Netz- und Seilspiegelgeräte Dillerberg 4, D-35614 Allar-Berghausen Postfach 1208, D-35608 Allar-Berghausen Tel. (06443) 8311-0, Fax (06443) 83 11-78 e-mail: seiltechnik@huck.net e-mail Sachbearbeiter: michael.rohn@huck.net web: www.huck.net		
Scale 1:50		Foundation plan Steel Tubular swing frame Long Art.-No. 4580-2-250
M:\Huck\English\4580-2-250\aktuelle Montageanleitung Foundation plan_4580-2-250.vsd		

4580-2-250 Tubular Steel Long Swing Frame

Tips for maintenance

Latest after 3 days check all bearings and suspension-connections. Retighten if necessary.

The bearings are maintenance-free and depending on the use-frequency or environmental conditions. We recommend checking them regularly for wear and tear.

We recommend you to use a silicon spray for the plastic socket from time to time. From our years of experience, we recommend to check the complete item each week.

You have to block off the complete item in case of incomplete installation, dismantling or during repair of the play equipment.

If you have any further questions, contact your supplier or the manufacturer

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