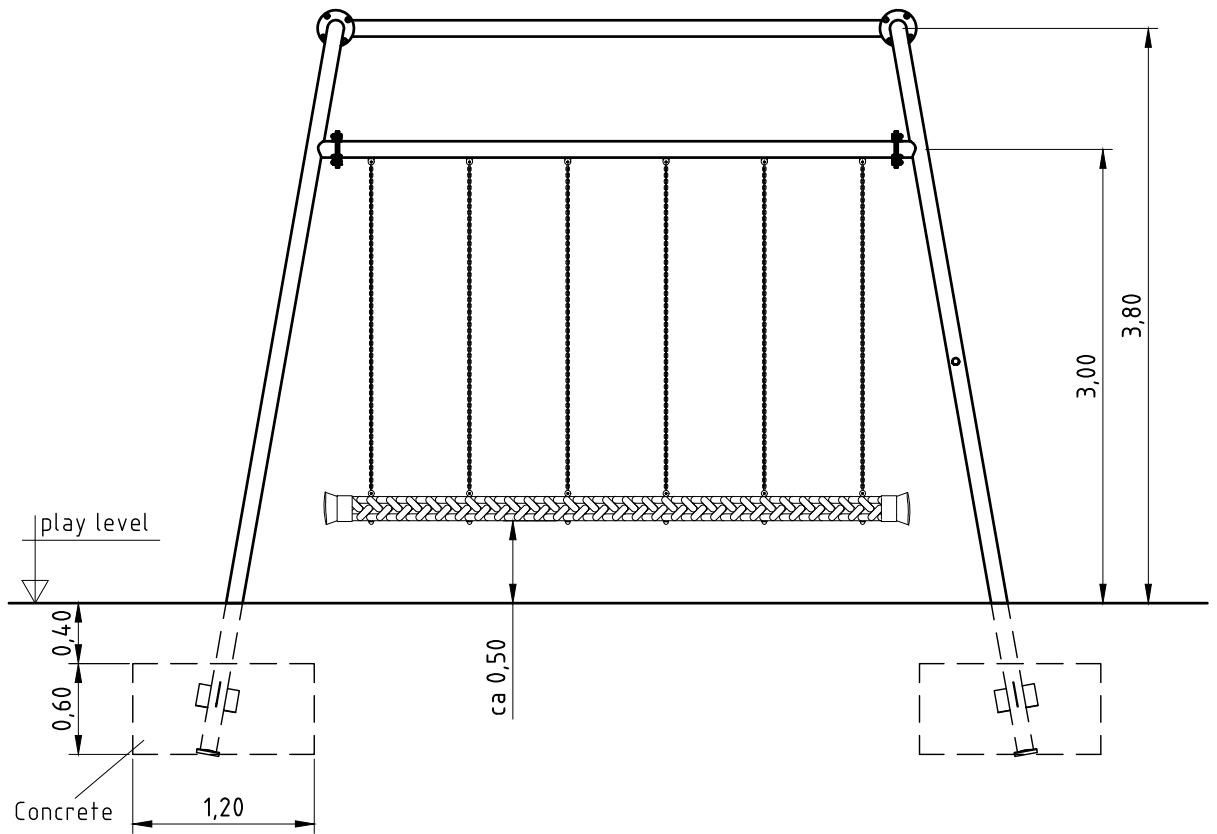


1. Assign location of equipment considering the space (minimum space) requirement.
2. Excavate soil for foundations, according to drawing. Please note: To achieve a maximum of stability and a safe installation a normal level of soil solubility is required.
3. At first screw together 2 supporting stands {marked with L (= left) and R (= right)} with straight beam (see detail: "Assembling of supporting stands").
4. Screw another 2 supporting stands {marked with L (= left) and R (= right)} together with the second straight beam. Then bolt down double-t-shaped beam to flanges of supporting stands (see detail: "Assembling of supporting stands"), raise unit using appropriate device (e.g. small crane), and put assembly into foundation holes. Support temporarily, in accordance with all security-related rules. **Please note: If all four supports are screwed on double-t-shaped beam in a lying position, this will lead to an overstress of the connecting bends at the two free supports and also at the other two supports at the moment the whole assembly will be erected!**
5. Afterwards screw pre-assembled framework (see point 3) together with flanges of double-t-shaped beam (see detail: "Assembling of supporting stands"). Align item horizontally (pay attention to the heights of the play level marks of supporting stands).
6. Grout in foundations with compressed concrete C20/25.
7. Cover foundations with a surface which shall meet the requirements for impact attenuation so that the critical fall height of the surfacing shall be equal to, or greater than, the free height of fall of the equipment (acc. to EN 1176-1).
8. Release for play after concrete foundations have set.
9. Check all screw connections according to maintenance instructions after 4-5 weeks and screw down again if necessary.

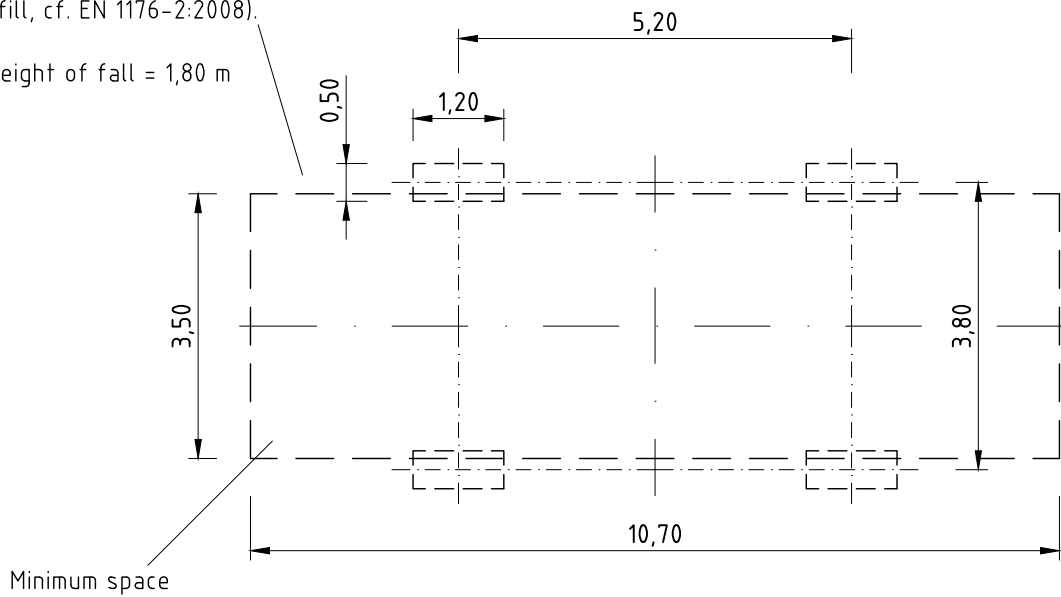
Please take care that all special tools (e.g. special Allen key for secured Allen screws etc.) and all specific documents which are or may be useful for safety management acc. to EN 1176-7, point 8 (e.g. invoice, delivery note, order acknowledgement, installation instructions, maintenance instructions) are forwarded to the responsible persons



Impact area (approx. 38 m<sup>2</sup>).  
 Area beneath each swing position to be covered by impact absorbing surfacing (synthetic or natural surfacing - normally loose fill, cf. EN 1176-2:2008).

Scale 1:100

Free height of fall = 1,80 m



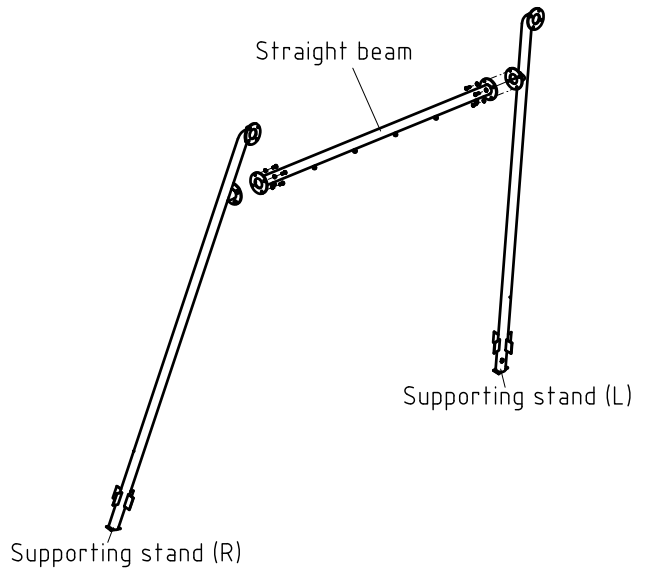
# Assembling of supporting stands:

## 4x screw connection per supporting stand or beam

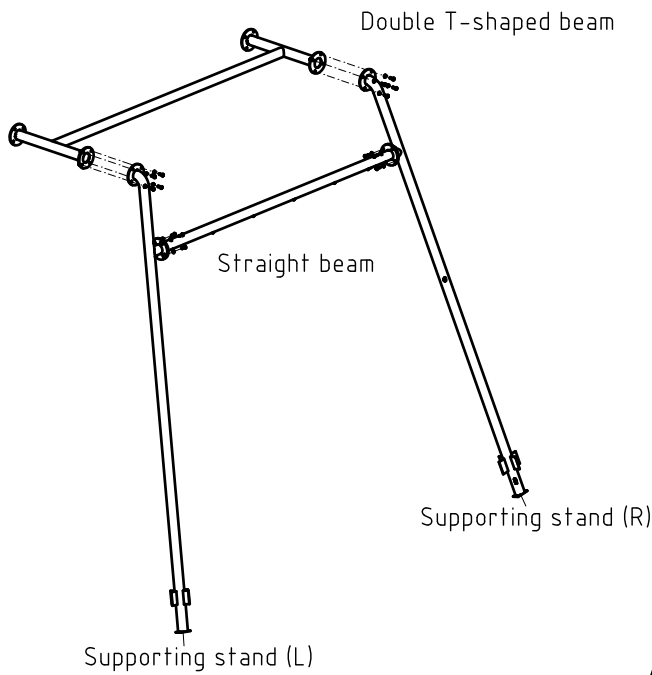
consisting of:

- hexagonal screw DIN 933-M16x45-zinc coated;
- 2x washer DIN 125-17-zinc coated;
- prevailing torque type hexagon domed cap nut; DIN 986-M16-zinc coated;

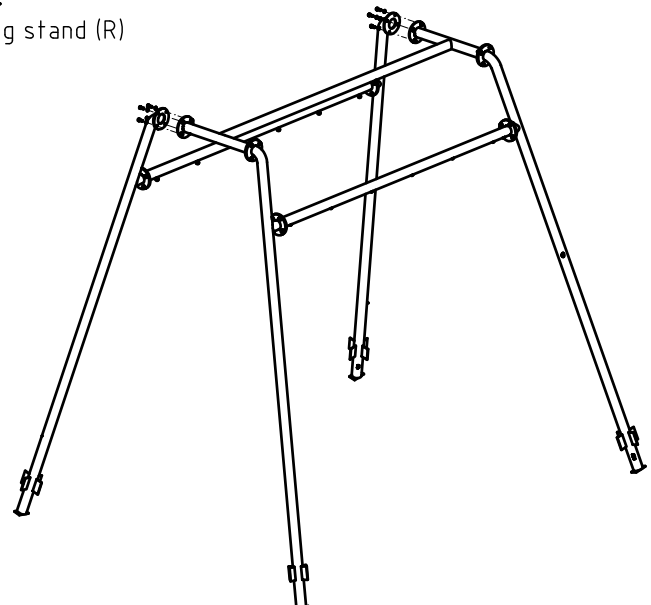
1. Screw 2 supporting stands {marked with L (= left) and R (= right), according to drawing} together with straight beam (see also page 1 / point 3).



2. Then screw 2 another supporting stands {marked with L (= left) and R (= right), according to drawing} together with the second straight beam. Afterwards bolt down double-t-shaped beam to flanges of supporting stands. Raise unit and put into foundation holes (see also page 1 / point 4).



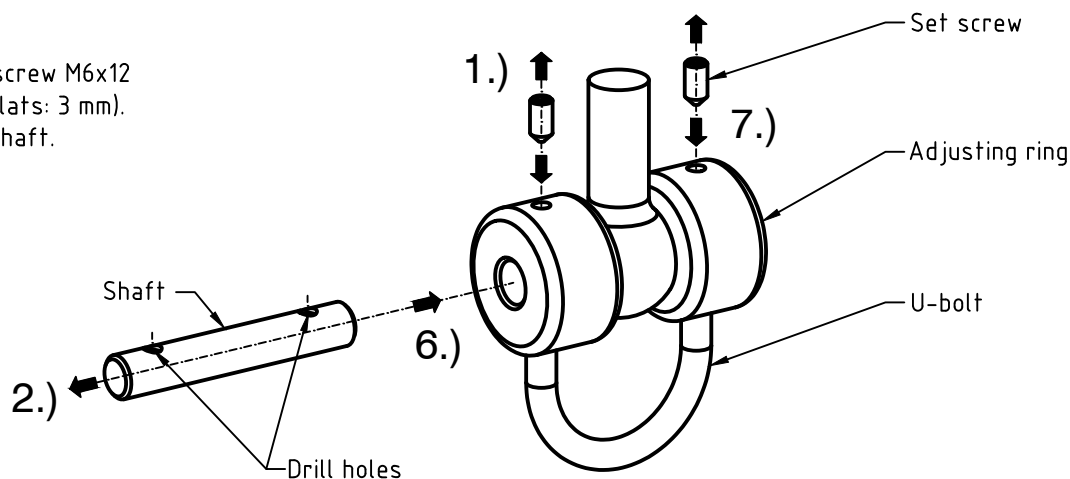
3. Screw pre-assembled framework together with double-t-shaped beam and align the entire swing (see also page 1 / point 5).



## Detail

### Opening of chain mounting:

1. Dismantle set screw M6x12 (width across flats: 3 mm).
2. Draw-off the shaft.

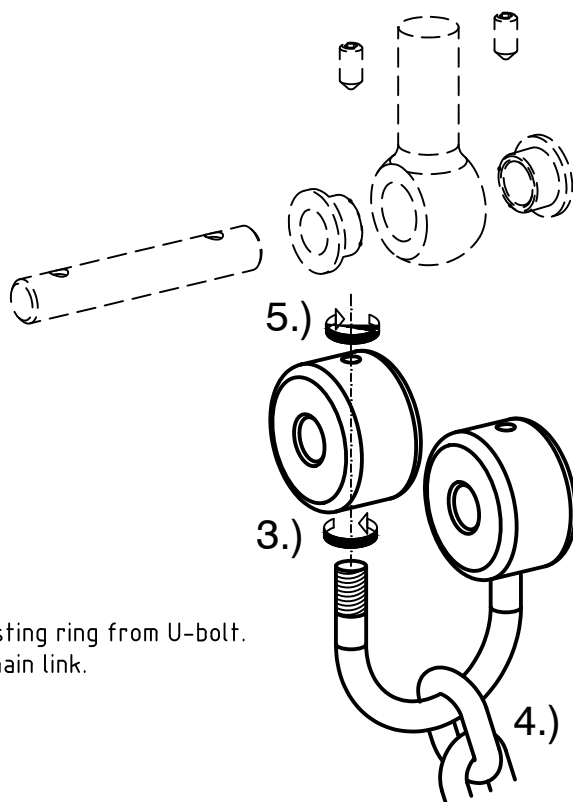


Heat the chain attachment up to 240°...300°C (by means of a heat gun) in order to dissolve the screw locking!

## Detail

### Locking of chain mounting:

3. Twist off one adjusting ring from U-bolt.
4. Insert or remove chain link.



5. Screw adjusting ring on U-bolt.  
Attention: The tapped holes of adjusting rings are positioned off-centre: Please set the minimal gap up (between adjusting ring and bearing lug).
6. Insert shaft through adjusting rings and bearing lug.  
Attention: Check the position of the drill holes!
7. Tighten set screws M6x12 (width across flats: 3 mm) with screw locking medium strength.