



Climbing pyramid 250

Installation, Operation and Maintenance Instructions



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1. Parts list

1 Posts, galvanised steel	L=3350mm, \varnothing =88.9mm, approx. 20kg
1 Climbing net	approx. 25kg
1 Plastic pipe	L= 450mm, \varnothing =140mm
4 Anchoring plates	
4 Turnbuckle	
4 Chains 1000mm x 10mm in length	
4 Shackle 12mm	

2. Technical data and information

- For building climbing pyramid 250, the safety area may not be exceeded by \varnothing 6800mm
- For a fall height of a maximum of 900mm, fall protection surfaces in accordance with EN 1176-1:2008 4.2.8.5 Table 4 must be chosen as floor covering.
- The weight of the Climbing Pyramid 250, incl. posts and climbing net, is approx. 45kg.
- Spare parts for the Climbing Pyramid 250 may only be obtained from the manufacturer.

3. Age rating

Climbing Pyramid 250 is suitable for children from the age of 3 years old

4. Installation and assembly instructions

Before the installation and assembly of the Climbing Pyramid 250, please note the safety area of \varnothing 6800mm. Please note the low minimum level of the foundation of 1000mm below the play level (cables, pipes, etc.).

4.1 Preparation of foundation

To ensure the required safety and smooth assembly, comply with all specified dimensions according to Chapter 5, drawing 1. C20/25 concrete quality must be used.

Establishing the foundation for the posts:

The ground beneath the foundation must have a permissible base pressure of $\sigma_{\text{permitted}} \geq 150 \text{ kN/m}^2$ for the posts!

1. Digging the pit (800 x 800 x 600mm)
2. Fill pit floor with 150mm of concrete and allow it to harden.
3. Subsequently, determine the midpoint of the ground and align and fix plastic pipe (L=450mm, \varnothing =140mm) on the midpoint. Fill the pit again with concrete up to a height of 450mm (evenly with the plastic pipe), see Chapter 5, drawing 2.
4. Let the concrete fully harden!

Establishing the foundation for the anchor:

1. The ground beneath the foundations must have a permissible base pressure of $\sigma_{\text{permitted}} \geq 150 \text{ kN/m}^2$ for the anchors!
2. Digging the pits according to foundation site plan Chapter 5, drawing 1 and 3. Size of pits 950mm x 950mm x 600mm
3. Fill pit floors with concrete up to 550mm. Position and fix anchor in the centre, pay heed to the correct position for the net. Position reinforcing steel mesh Q 131 800 x 800mm in the centre. Fill the rest of the pit (50mm) with concrete.
(See Chapter 5, drawing 3).
4. Let the concrete fully harden!

4.2 Assembly of Climbing Pyramid 250

For the assembly and installation of the Climbing Pyramid 250, qualified personnel (at least 1 person) is required. The chains must be fastened to the anchor blocks using the provided shackles.

1. Place posts in plastic pipe, align vertically and fixate. Fill remaining space with concrete and let it harden (see Chapter 5, drawing 2).
2. Open turnbuckles completely . Fasten turnbuckles to net and to the chain connected to the anchor blocks.
3. Tighten turnbuckles until the cables running to the top are tight and yield under approx. 4cm of pressure. Secure lock nuts. Attention must be paid to uniform tension of all 4 main bearer cables.
4. If tension is not sufficient after tensioning once, because the tension path of the turnbuckles has already been completely used, secure the 4 main bearer cables in their position, e.g. secure with a ratchet strap, fully reopen the turnbuckles and refasten to the chain accordingly by moving one to three chain links downwards. Repeat point 3.

5. Dimensions

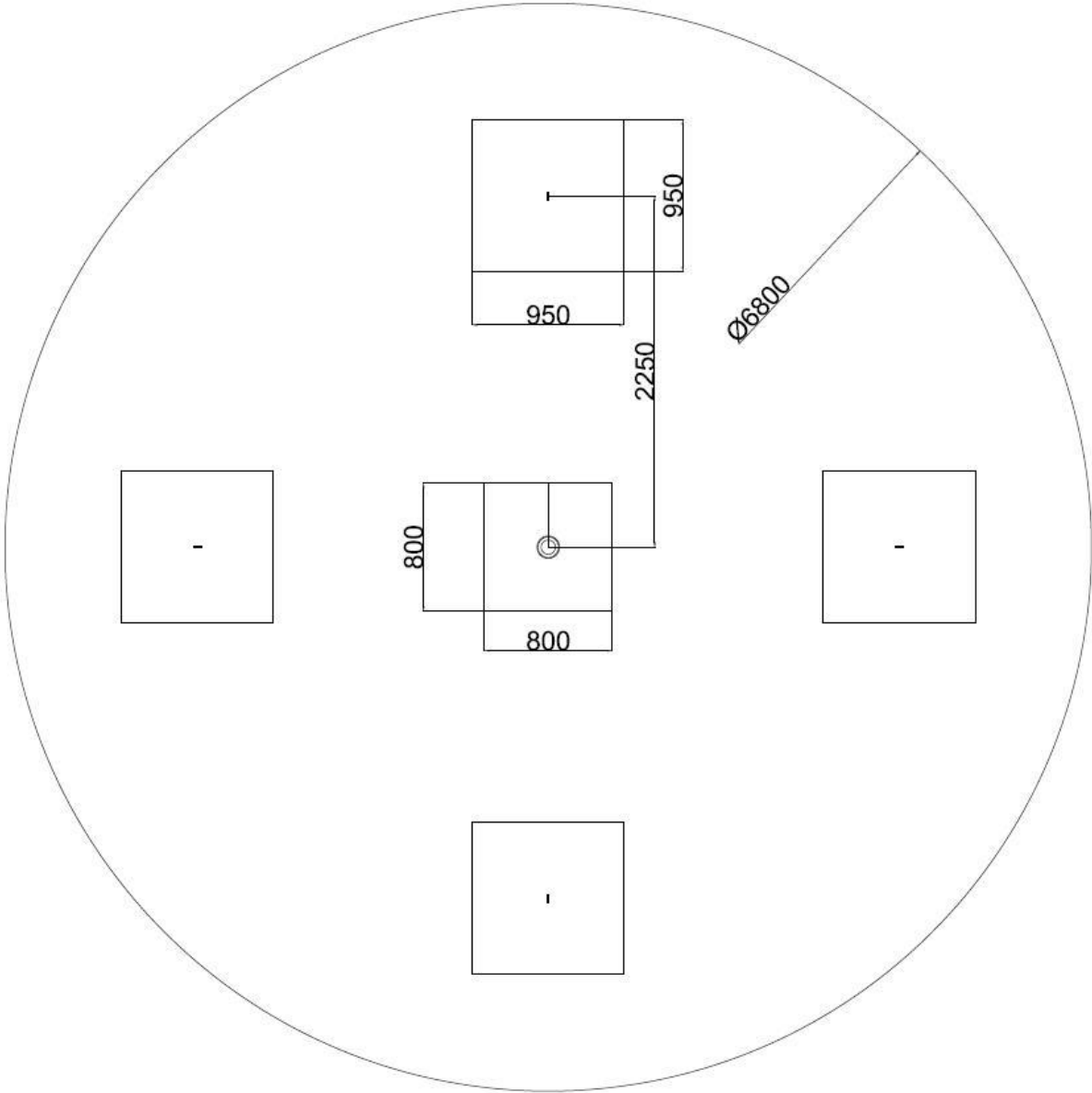


Illustration 1: Foundation layout

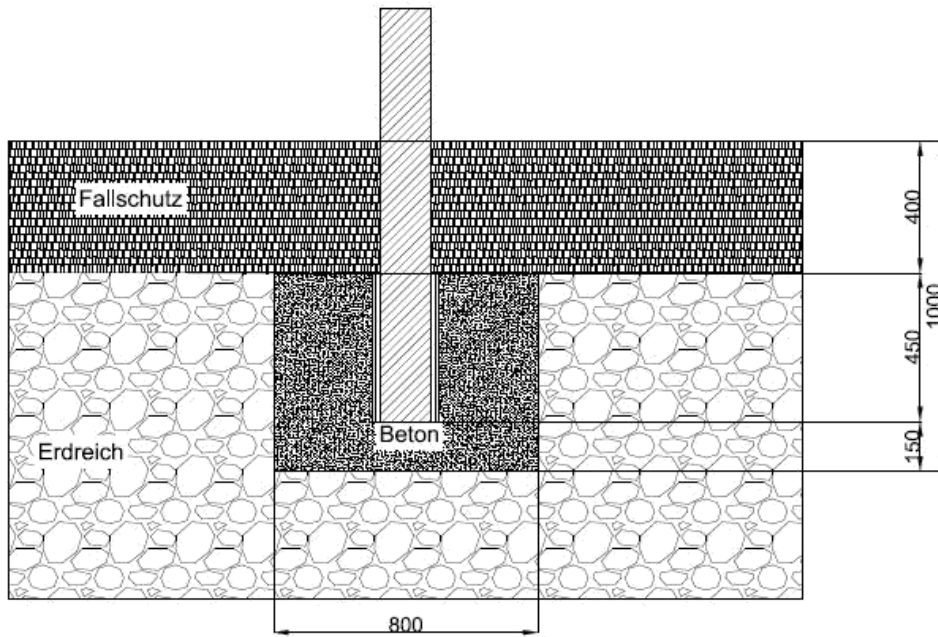


Illustration 2: Foundation of posts

Fallschutz	Fall Protection
Erdreich	Ground
Beton	Concrete

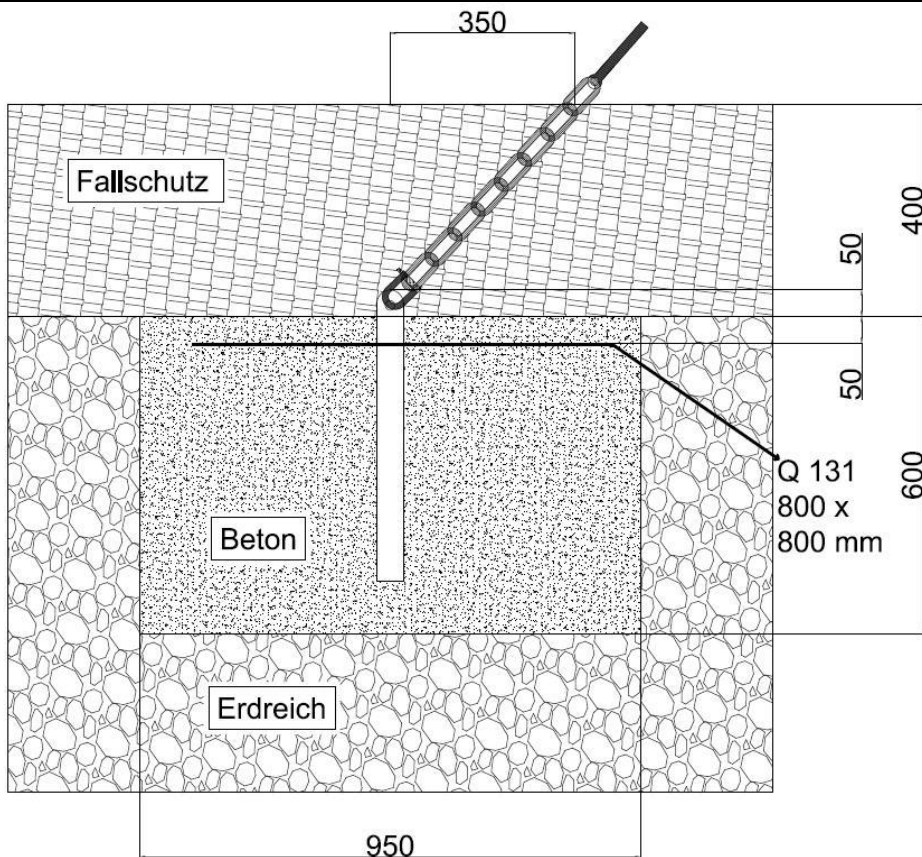


Illustration 3: Foundation of anchor

Fallschutz	Fall Protection
Erdreich	Ground
Beton	Concrete

6. Maintenance instructions of Climbing Pyramid 250

N. R.: normal requirement

Ex. R.: extreme requirement

Visual inspection of the subsurface (fragments, tins, stones, etc.).
Removal of obvious potential hazards which arise for example due to vandalism.

Maintenance interval: N. R.: weekly; Ex. R.: daily

Check bolts and other connections (t-connectors, balls, etc.) for tightness and wear and replace them with original spare parts if necessary.

Maintenance interval: N. R.: monthly; Ex. R.: Fortnightly

Check cables for fibre breakage etc. and pulling and tensile strength. Treat and melt fibre breakage, cut surfaces with hot air torch If necessary, replace with original spare parts.

Maintenance interval: N.R.: every three months; Ex. R.: monthly

Check metal surface for scratches, cracks, rust and ridges and mend if necessary. In case of severe damage, replace with original spare parts.

Maintenance interval: N.R.: every three months; Ex. R.: monthly

Check stability of the foundations. Uncover standing posts to the top of the foundation. Subsequently, refill.

Maintenance interval: N. R.: six-monthly; Ex. R.: every three months

Cleaning of the complete plant and maintenance/repair of the safety surfaces.

Maintenance interval: N.R.: annually; Ex. R.: six-monthly

7. Safety and user instructions

Do not carry fire, open light, burning cigarettes or the like, knives or other sharp edged objects

Pay heed to the maximum number of persons per climbing pyramid, no food/beverages

no alcohol/no drugs

Do not jump from the climbing tower or push other players, wear shoes with flat soles

Always note: Going up is easier than going down

8. Amendment documentation

01 May 2009 Amendment of legal form

01 June 2009 Amendment of standard EN 1176-1:2008 and EN 1176-11:2008
17 September 2009: Amendment of fall protection cover laid down in 2nd advance information
17 September 2009: Supplement to turnbuckle under 1st parts list
15 October 2015: new layout