

Richter Spielgeräte GmbH



Press information

April 2007

‘Ornithopter’ – an attractive mechanical bird and play figure



The ‘Ornithopter’ is an impressive sight: about five metres long and four metres high, the giant bird’s wings spread to six-and-a-half metres. Even so, the Ornithopter looks filigree and thoroughly airworthy! This weird and wonderful play structure creates its own special atmosphere and evokes all sorts of associations, from Icarus to Lilienthal or the inventors’ workshops of the early pioneers of heavier-than-air flight.

Of course, this big bird is particularly appropriate for playgrounds and places directly connected with flying, but the Ornithopter is equally well placed in leisure facilities, city squares and playgrounds and tourist amenities, giving any space a special and unmistakable identity. The way the bird’s whole body swings is an appealing all-round adventure for children of six and older – like piloting a bird – but adults are also captivated and there’s space for two to fly together.

Extremely durable ‘Corocord’ ropes (19 mm, six-ply) and the entire construction of V2A stainless steel, bracing lines with shock absorbers or closely seamed fittings with no dangerous gaps, and self-lubricating sintered metal slide bearings are just some features of the sophisticated technology that has gone into the Ornithopter design.

Further information:

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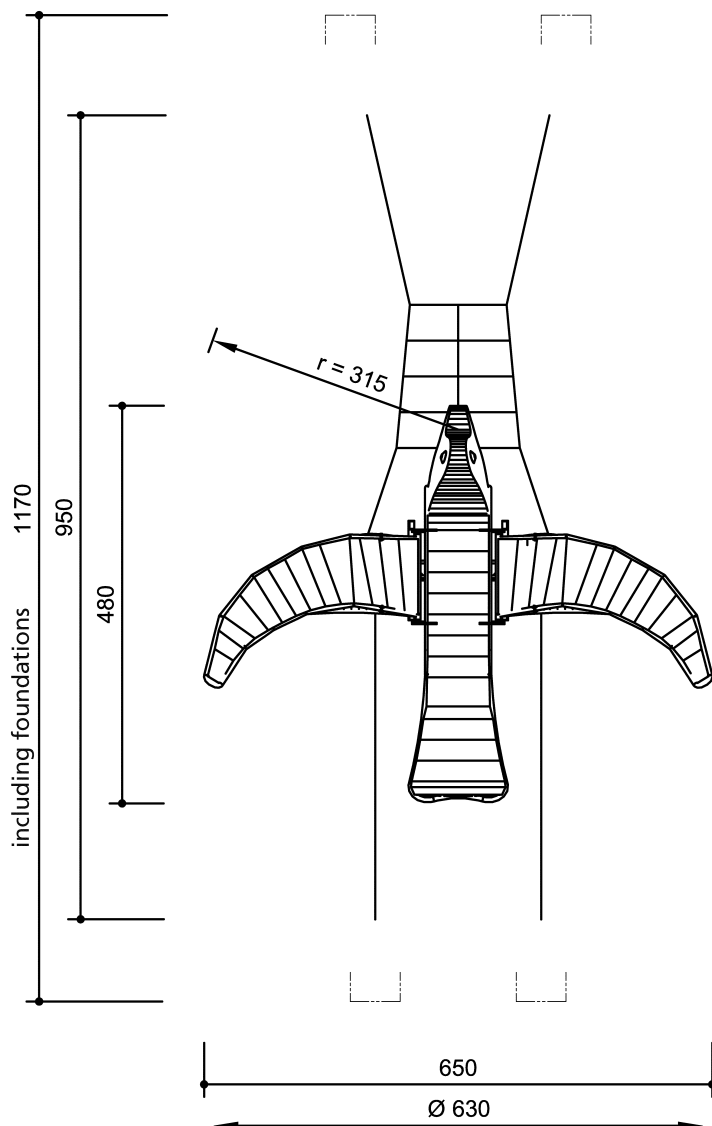
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'Ornithopter' – Technical data sheet



Components

1 complete unit with guy ropes and climbing net

1 supporting frame for setting into concrete

Installation information

Surfacing requirements corresponding to a fall height of 2.00 m (please refer to introduction for more detailed information)

Foundations

1 item 180 x 180 x 120 cm with additional steel reinforcement

4 items 60 x 70 x 80 cm

Attention! Exact measurements may vary, for all installation dimensions refer to current installation instructions.

Technical changes reserved.

Materials

Overall construction made of stainless steel;

connections between wings and body as well as wings and feet using ball bearings;

Corocord® rope

special ropes of 'Hercules' type safety ropes and nets of 19mm six-strand Corocord® rope of the special 'Hercules' type, abrasion protected through heating of the six steel strands and melting the polyamide sleeve onto them;

aluminium swages

double-conical aluminium swages with rounded off-ends;

S-clamps

neatly rounded Corocord® S clamps made of stainless steel, $\varnothing 8$ mm;

rope connection rotating

close fitting connection without dangerous openings, with integrated swivel, the bearing consists of one brass bush;

brass bush

for all to and fro movements we use bush bearings which allow for self lubrication while in use;

safety ropes with shock absorbers;

supporting frame hot-dip galvanised;

Dimensions

(small deviations possible)

| | |
|------------------------|--------|
| height max. | 4.00 m |
| sitting height approx. | 2.00 m |
| length | 9.50 m |
| width | 6.50 m |
| weight approx. | 860 kg |