C E R T I F I C A T E

No. Z2 022757 1117 Rev. 00

Holder of Certificate: **HAGS Aneby AB**
Grännavägen 7
578 23 Aneby
SWEDEN

Certification Mark:

Product: **Merry-go-round, Carousel**

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.:	713239883-02
Valid until:	2027-03-29

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(Tobias Hofmann)

TÜV SÜD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany

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Model(s):   **Orbit, Mirage Revolution, Roty, Merry, Spinmee, Momentum, Orbiter, Dynamo, Quartett, Tulip, Titan, Mini Titan, Duel, Tornado, Pedal, Bronco, Rota-Roka, Pirouette, Whizzer, Zingo Bubble Spinner, SpinR², Spiral**

Parameters:

Carousel Type	Name
A	Orbit, Mirage Revolution
B	Roty, Merry, Spinmee, Momentum, Orbiter, Dynamo, Quartett, Tulip, SpinR², Spiral
C	Titan, Mini Titan, Duel, Tornado
D	Pedal
F1	Bronco
F2	Rota-Roka
Ø < 500 mm	Pirouette, Whizzer, Zingo Bubble Spinner

Orbit, Merry, Roty, Pedal, Piourette, Whizzer	
Material:	Stainless steel and/or steel
Seat:	Plywood or rotomoulded polyethylene
Platform:	Plywood or steel, powder lacquered and/or galvanized
Handgrip:	Galvanized and/or powder lacquered
Anchoring:	Sunken concrete base
	Sunken steel base/frame
	Concrete foundation on site
	Anchoring on concrete (expansion bolt)
Pirouette:	Rotating posts made of tubular steel, pre-galvanized and
	powder-coated, mounted on a ball-bearing mechanism

Bronco
Steel material: galvanized and powder lacquered or hot galvanized.
Materials: Frame of tubular steel: 25, 102 and 140 mm. Steel coil or torsion element.
Seat material: Foam/polyethen. For spring support the Equipment is installed with a pole.

Spinmee
The roundabout is nearly flush mounted with the surrounding ground.
The Ø of the roundabout is 2.06 m.
Rotation part: The top plate is made of textured Aluminium 3 mm.
A tube frame Ø42.4 x 3 mm has the function as seats (recycled PE panels on top) and a handrail.
The basic frame is made of square and L profiles.
Rotating platform is supported on a central
40 mm shaft, with bearings, together with four,
100 mm polyurethane casters, equally spacer at the perimeter.
Bottom part: Frame with fully welded outside ring to control the gap between the rotating and fixed
parts <8 mm. Mounted on 4 concrete pads with adjustable feet.

Mirage Revolution
Made of a central pole with the bearing and top frame with three beams Ø88.9 x 4 mm.
Three plastic seats with height backs are mounted with steel profiles on the beams.
Roundabout Ø1.6 m, ground clearance 406 mm, Seat Height 605 mm.

Momentum
Made of central shaft supporting bearings.
Platform, inclined by 5 degrees, from 18 mm textured Ekogrip, supported on steel frame.
Central steel pole with hand grip positions above the platform.
Roundabout Ø1.2 m, ground Clearance 420 - 590 mm.

Orbiter, Dynamo, Quartett
Made of central shaft supporting bearings. Platform from 5 mm textured Aluminium,
supported on steel frame. Steel tube frame above the platform with hand grip positions.
Roundabout Ø1.5 m, ground clearance 60 - 110 mm.

Tulip
Made of central shaft supporting bearings.
Platform from 2 mm textured steel, supported on steel frame. Steel tube frame above the platform
with hand grip positions. Roundabout Ø1.2 m, ground Clearance 60 - 110 mm.

Duel
Made of a support pole 168.3 x 10 mm, an inclined turning with a top frame made of a bended Top
beam and a bended support beam Ø88.9 x 5 mm.
The following seats could be used with 8 mm chain suspensions.
Pendulum seat, 'T' bar hanger. Top beam height: 3.31 m,
Rotation Radius: 1.84 m.

Titan
Made of a support pole Ø168 mm, 3 x 10 mm, an inclined turning top
with 5 cantilever arms Ø114.3 x 5 mm.
The following seats could be used with 8 mm chain suspensions.
Mirage seat, Pendulum seat, Rope ladder, 'T' bar hanger, ERGO seat.
Top beam underside height: Max. height 2.97 m,
Min. 2.34 m; Rotation Radius: 1.93 m.

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Mini Titan
Made of support pole Ø114.5 x 5 mm, with a 3-arm horizontal top frame from Ø76.1 x 5 mm.
Optional style panels mounted to top frame from
12 mm HPL. 3 child seats suspended on 6 mm stainless steel chain.
3 pull handles of 5 mm galvanized steel chain covered with a PU sleeve and terminated
with a protective plastic ball Ø50 mm.
Top beam underside height: 2.025 m. Max height: 2.325 m, rotation radius: 1.277 m.

Tornado
Made of support pole Ø114.5 x 5 mm, with a circular horizontal top frame from 42.4 x 3.2 mm,
with a continuous outer hanging ring. Hanging ring underside height 1.85 m.
Max height: 2.27 m, rotation radius: 0.62 m.

SpinR²
Designed like a round truncal cone with two flat seating areas.
Metal frame with HDPE segments, HDPE cover plates, PE top plate HPL seat area and under cover
area made of metal sheets.
Dimension: height to the side edge under side: 428 mm.
Total height: 893 mm.
Diameter: 2222 mm.

Spiral
Carousel with closed bottom. Tubular frame structure like a spiral.
HPL bottom
Total height: 797 mm.
Diameter: 1270 mm.

Rota-Roka
Carousel designed like a dish with two moving possibilities.
Turning and rocking. The rocking bearing made of a rubber system.
Dish made of a metal plate 2 mm and a outer ring
Ø33.7 x 2.6 mm. Dish: Ø1.04 m, Max. height 0.75 m.

Zingo Bubble Spinner
18 mm Ecogrip platform with polyethylene mounded 'bubble' shape attached on top.
Central post 60.3 x 5 mm, with bearing.

Tested according to:

DIN EN 1176-1:2017
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DIN EN 1176-5:2019
EN 1176-5:2019

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