

ENERGY

WE ENERGIZE
THE WORLD

MARKER BALLS

POWER LINE MARKING
RETHOUGHT

EXCLUSIVE
SALES
PARTNER

SPHERA®

The Power Line Marker
Made in Austria

SHORTEST ASSEMBLY TIME

VISIBLE SUPERIORITY

SIGNIFICANT

MORE THAN PRACTICABILITY

THOUGHTFUL DOWN TO THE SMALLEST DETAIL

BENEFITS

70%

REDUCED ASSEMBLY TIME

The redeveloped aerial marker ball SPHERA® has fundamentally simplified its assembly. Our marker ball stands out from the competition because the assembly time has been reduced to a minimum, thus saving costs. The assembly of the marker ball can be carried out with a time saving of 70% compared to competitor models.

38 Sec.

WORLD RECORD ASSEMBLY TIME

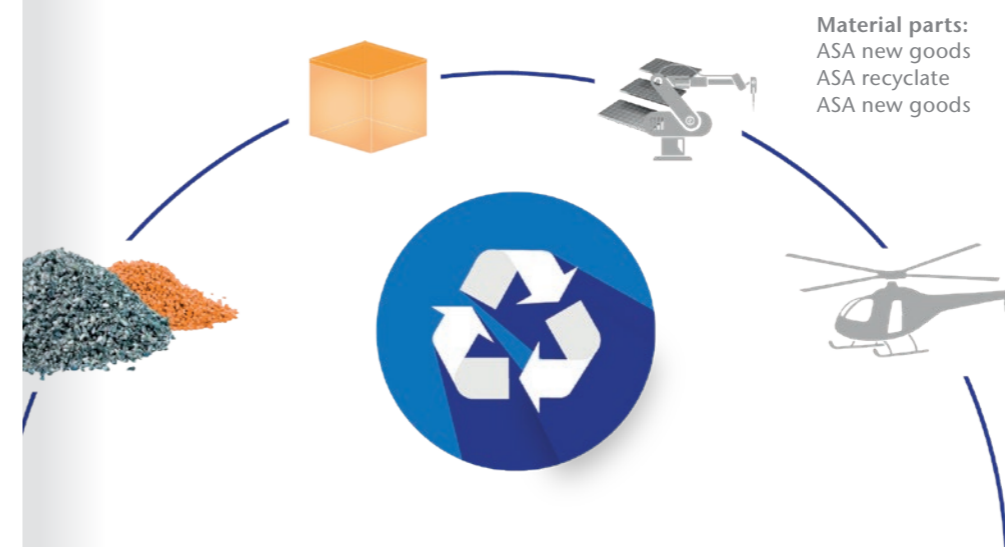


Area of Application

Wide field of application and versatile possibilities. This is what distinguishes the aerial marker ball from SPHERA®. One main field of application is the marking of high-voltage power lines. The different marker ball sizes are used at different heights. On lift support lines, supply lines on mountains and navigation pylons, the aerial marker ball also serves as a marking for aircraft and other objects.

Benefits

- unique, pre-assembled half-shells, which are hooked into the high-voltage line captively
- quick-release fastener with spring-loaded hinges for quick assembly
- extremely short assembly time with a few simple steps, resulting in a significant reduction of helicopter flight time per aerial marker ball
- modular hinges for different cable thicknesses
- transponders can be placed inside the marker ball if required
- no peeling of paint or weathering of the marker ball surface, solid coloured material with UV stabilisation
- different colours are possible
- delivery quantity and variants can be put together as required
- no loose parts, therefore no risk of losing parts
- TÜV tested and practical experience through several years of testing
- increased work safety due to time-efficient and simple assembly



DETAILS

ABOUT SPHERA® MARKER BALLS

SPHERA

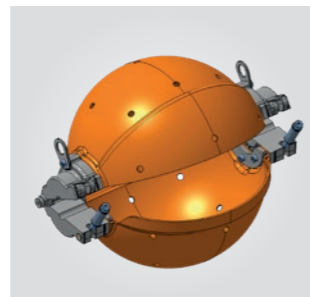
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Diameter 300 mm



Small and robust

The small version of the marker ball measures 300 mm in diameter and is easy to handle. The holding jaws are produced in one size for both sizes. This variant has a weight of 2,621 grams.

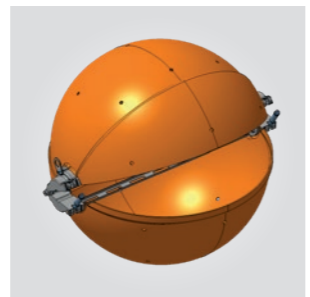


Diameter 600 mm



Eye-catching

Our 600 mm marker ball stands out, and not just in the sky. The aerial marker ball has a diameter of 600 mm, with the holding jaws remaining the same size. In the large version, these are connected by a strut inside the marker ball. The marker ball has a total weight of 5,144 grams.



SYSTEM AND STRUCTURE

SIMPLE AND FUNCTIONAL

SYSTEM

05

Draining holes



Draining holes on the surface of the marker ball ensure targeted drainage of the collected rainwater and prevent the formation of condensation as well as the additional weighting of the cable due to frozen water.



Closure principle



Excellent for quick assembly

After hanging the marker ball on the cable, the closure is closed by two short handles and fixed by tightening the spring-loaded screw.



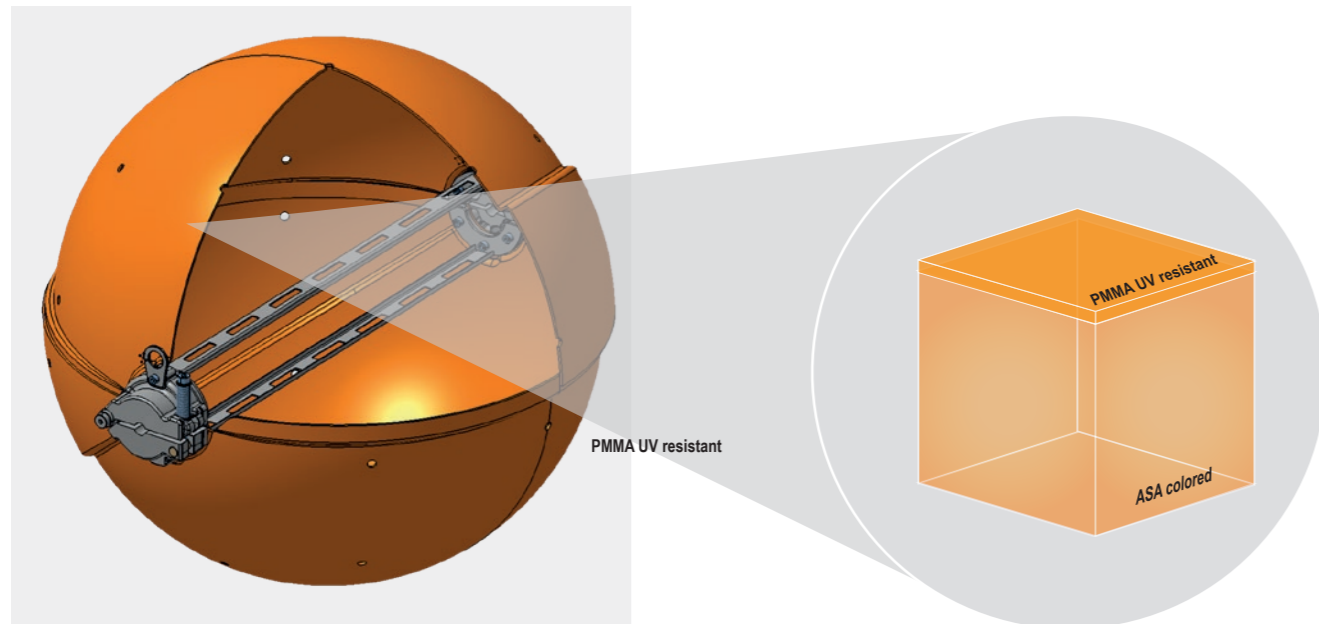
LONG SERVICE LIFE

DUE TO OPTIMAL CONDITIONS

STRUCTURE

Layer structure

Due to the use of solid-coloured material, we guarantee a long service life despite all weather influences. The materials used have already been recycled and therefore offer the best prerequisites for a green vision for the future. The main component of our panels (97%) consists largely of recycled, dyed ASA. The surface is protected from weathering by a UV-resistant layer (3%). The material PMMA is used for this purpose.



INDIVIDUAL PROCESSING

MEET YOUR NEEDS

INDIVIDUAL

Variants

The SPHERA® aerial marker ball is available in both sizes in the standard colours. On request and with a minimum order quantity of 200 pieces, any colour value is possible. Individual preparations as well as special samples or prototypes can be produced through our individual programme in both sizes with all clamping range diameters from 15 mm to 55 mm. The marker balls are suitable for different cable thicknesses and thus offer a wide range of applications.



Variable cable strengths and types

Different clamping ranges allow the use on different cable thicknesses. The diameter of the clamping range extends from 15 mm to 55 mm. With larger diameters, the size of the clamping jaws always remains one size. This avoids additional costs due to having to use more material. Due to the tension generated by tightening the closure, the marker ball is prevented from slipping on any rope diameter.

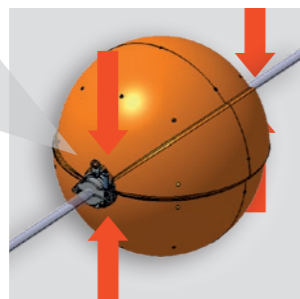
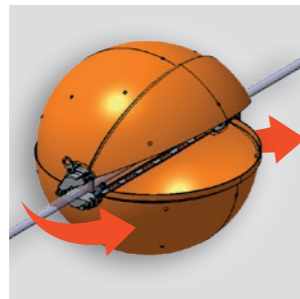
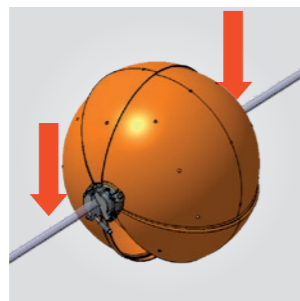
LAYOUT AND ASSEMBLY

EASIEST INSTALLATION

SIMPLE

08

With two half shells already pre-assembled, individual parts are reduced and the marker ball offers the best conditions for quick assembly. The marker balls are delivered assembled or screwed together in one easy step by the customer and are therefore ready for assembly on power lines with different cable diameters.



The attached hinge has a retaining loop to secure it and a screw with a spring-loaded quick-release fastener for rapid attachment of the marker ball by a single-person.

After the SPHERA® aerial marker ball has been attached and fastened, penetrating rainwater can drain off through the specially placed holes. This prevents the cable from sinking caused by the marker ball.

Thanks to the hinge, both half-shells hang firmly connected together. This allows the marker ball to be hung on the cable from above. The innovative assembly method of the SPHERA® marker ball therefore avoids a great expenditure of time, the risk of parts being lost and complications.

Once the marker ball has been attached to the cable or power line, it can be closed and locked by a single skilled employee in two simple steps.

The full tension is achieved by screwing the spring-loaded quick-release fixture. The newly developed locking mechanism facilitates assembly by a single person, which minimizes helicopter flight time per marker ball and thus the cost of assembly.

COLOR SCHEME

STANDARD OR INDIVIDUAL

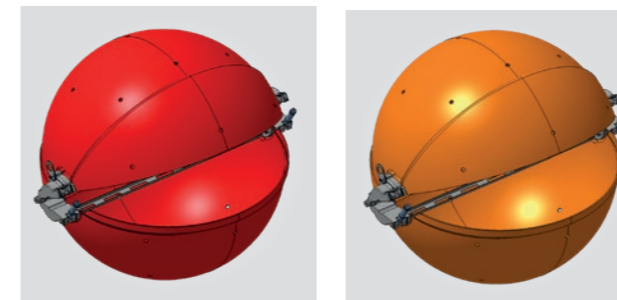
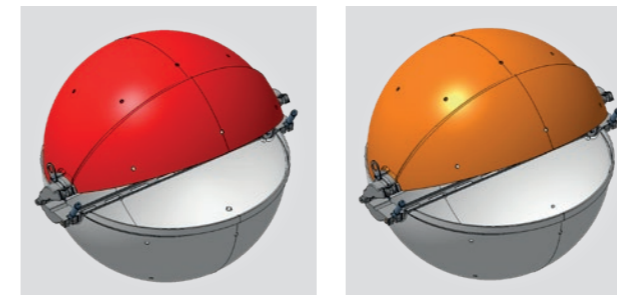
INDIVIDUAL

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Individual color selection

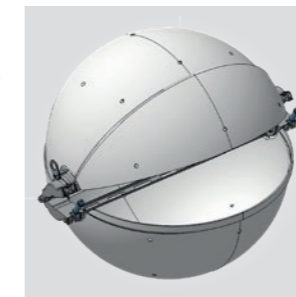
The SPHERA® aerial marker ball is available in five standard colour variants in sizes 300 mm and 600 mm. This means that we cover the common requirements in the aviation and shipping sectors. We only use solid-coloured material for all marker balls.

If no standard colour meets your requirements, we will be happy to provide you with an almost unlimited range of colours via our individual programme.



Standard colours

Solid-coloured material available from 1 piece. Suitable for any quantity.



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