Airport skytech®

Data sheet

Skywind

Aeronautical wind indicator

Designed in Colombia

www.skytechsas.com

Skywind

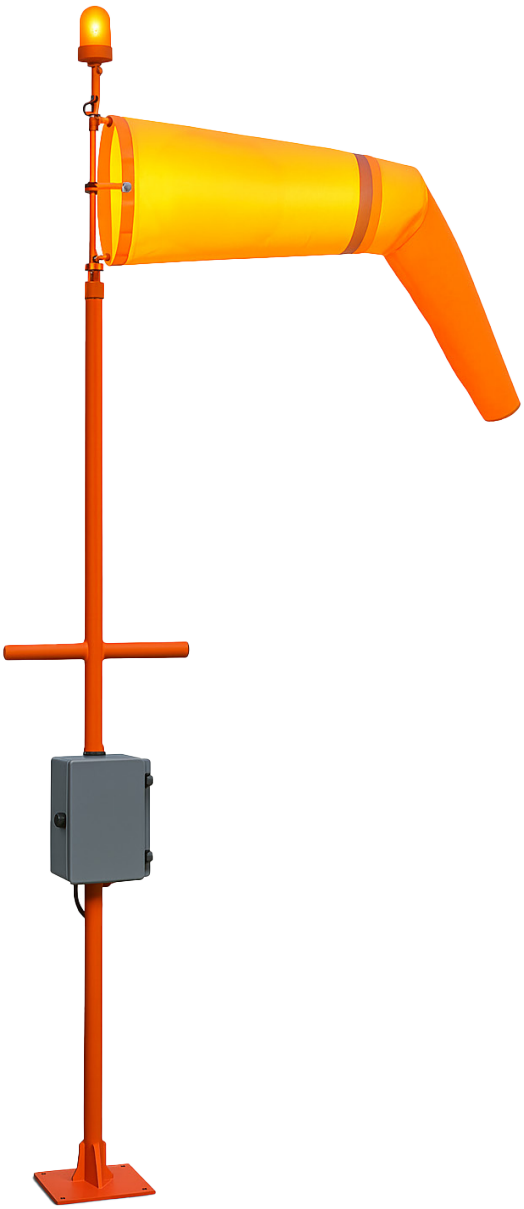
Aeronautical wind indicator

Our SKYWIND wind indicator allows us to determine the wind's intensity and direction—vital information for establishing protocols and procedures during aircraft approach and certain platform operations, helping to prevent accidents caused by unexpected wind gusts.

Technical Properties

SKYWIND® is built with high-quality materials that ensure long-lasting durability and excellent performance under rain, wind, and solar radiation conditions. It is manufactured in both standard regulatory sizes, approved by RAC and ICAO.

- Truncated cone shape
- Weather-resistant and flame-retardant material
- Base repels liquids and other environmental factors thanks to its textile protection
- High resistance to tension and tearing
- Does not fade or discolor
- International orange color 12197 FED STD-595



The ends of the windsock are reinforced with a strip of the same material, 7 cm wide at the large opening and 5 cm at the small opening, and a 14 cm strip between 46 and 60 cm measured from the large opening of the windsock. The seams are sealed using a heat-sealing system or double stitching, providing weather resistance.

Features

Environmental Characteristics

Temperature: Up to 40°C
Relative humidity: Up to 100%
Aerodrome elevation: From sea level up to 2,600 m
Weather-resistant and flame-retardant material.

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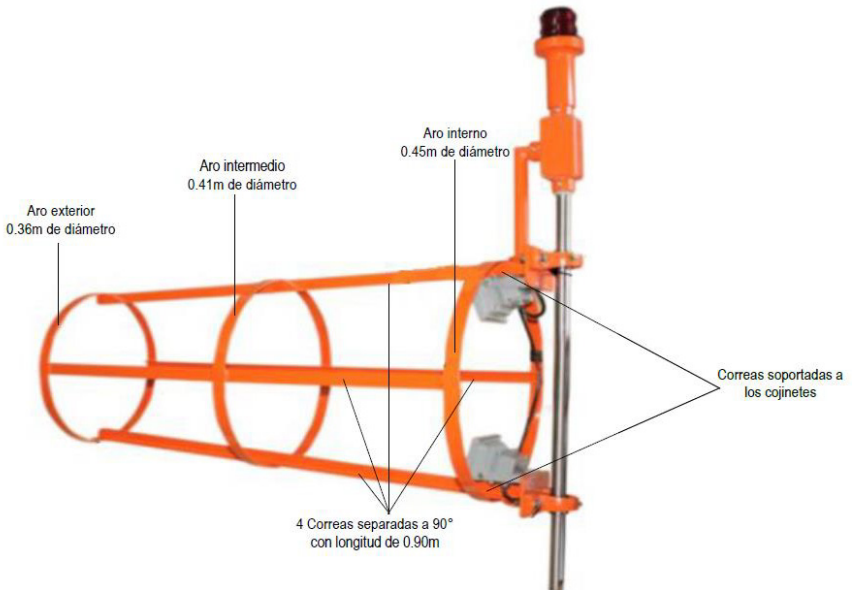

Mast

The main mast is made of tubular steel with an electrostatic or polyurethane coating in orange and white. It is structurally adapted for a portable system.

L-807: 5.5 meters high, foldable via hinge.

L-806: 3 meters high, supported by a frangible system.

Material resistant to tropical weather conditions.

Lighting

When required, SKYWIND ® includes a top external obstruction light (Style 1-A) in red and a group (as needed) of internal LED lights (Style 1-B) that comply with the photometric requirements of airport standards, providing visibility greater than 24 lux at any point on the horizontal plane described by a full rotation of the fully extended windsock's upper surface.

Basket Assembly

Manufactured with metal plates, this component is lightweight and highly responsive to wind changes, allowing for a full 360° rotation on its axis.
Equipped with a sealed bearing; it connects to the mast via a threaded aluminum joint.

Aditional Features

- Long operational lifespan (30,000 hrs)
- Low voltage power (12 VDC, 110 AC, 220 AC, 6.6 A)
- More energy-efficient than incandescent
- Does not emit UV
- ESD protection
- Operating temperature -25 to 85°
- 24-hour autonomy
- Lighting controlled via photocell/timer.

Fabric Dimensions

	Length	Diameter 1	Diameter 2	Weight
Size 1	2,40 m	0,45 m	0,15 m	169 g
Size 2	3,40 m	0,90 m	0,34 m	179 g