



Small Aircraft Warning Device (Sphere) for Distribution (MV) Lines

GENERAL RECOMMENDATIONS

The Aircraft Warning Device (Sphere) is designed to make overhead lines visible to aircraft and provides a cost beneficial means of reducing the hazard to both lines and air traffic.

This product is different to the Aircraft Warning Flapper by virtue of its configuration being spherical.

The Sphere is made of Rotomoulded Low Density Polyethylene UV stabilised engineering plastic. The attachment fitting is a PLP® Helical Wrap-on attachment rod.

The fitting has a mass of 900 grams and is easily and quickly applied by hand or by hot sticks. The positive grip of the fitting on the conductor ensures that it remains in the applied position and cannot move along the span under vibration or wind action, and it will not in any way damage the conductor.

Visibility: The sphere increases the visibility profile of the cable or conductor to a degree necessary to ensure safety, in compliance with the current ICAO annex 14 Chapter 6.2.8.

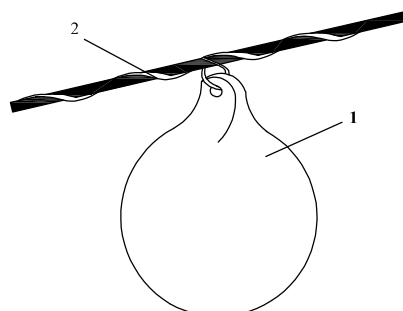
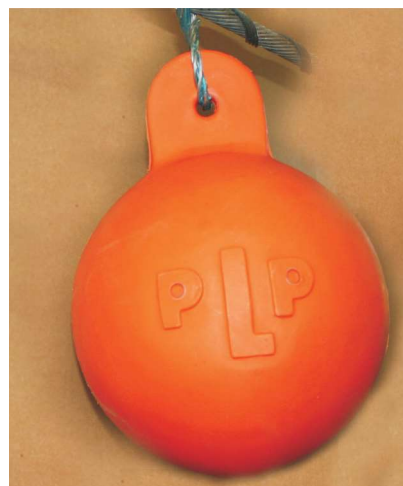
Size: The sphere measures 220 mm in diameter.

Colour: Orange or white separately. Please specify your requirements.

Spacing: Spacing distances are not critical and will depend upon local conditions. Since wind resistance is limited, sufficient fittings can be used to ensure adequate visibility without creating stresses on the line. When marking adjacent spans, overall visibility is improved by staggering the application. The general rule is to apply Warning Devices at 20 m intervals.

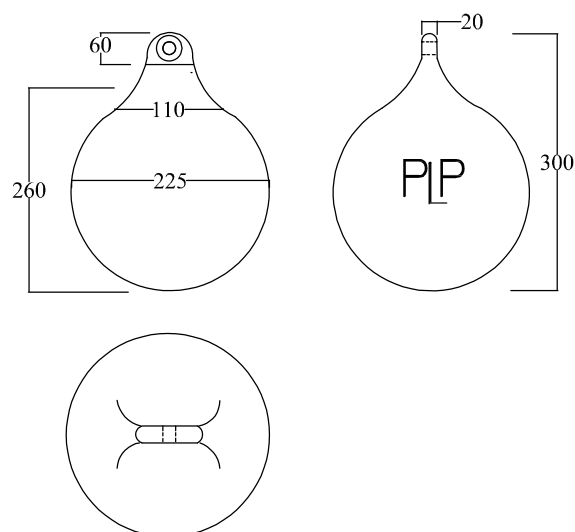
Standard Pack: Unless otherwise specified by customer, our standard packing is two Orange and two White sphere per carton.

Mass of Fitting: 0.9 kg



1. Sphere: Rotomoulded LLDPE
Weather/Pollution resistant UV
Stabilized

2. Tie: Stainless Steel



CATALOGUE NO. CONDUCTOR 220 mm	DIAMETER RANGE (mm)
AWD 300-190/215	4.8 – 5.4
AWD 300-278/315	7.0 – 8.0
AWD 300-316/357	8.0 – 9.1
AWD 300-358/405	9.2 – 10.3
AWD 300-406/459	10.3 – 11.6
AWD 300- 460/520	11.7 – 13.2
AWD 300- 521/588	13.2 – 14.9
AWD 300-668/755	16.9 – 19.2
AWD 300-756/858	19.2 – 21.8

Aircraft Warning Device (Sphere)

GENERAL RECOMMENDATIONS

The Aircraft Warning Device (Sphere) is designed to make overhead lines visible to aircraft and provides a cost beneficial means of reducing the hazard to both lines and air traffic. This device is applied to the earthwire of Transmission systems.

This product is different to the Aircraft Warning Flapper by virtue of its configuration being spherical.

The Sphere is made of Rotomoulded Low Density Polyethylene UV stabilised engineering plastic. The attachment fitting is a PLP® Helical Wrap-on attachment rod.

The fitting has a mass of 3.7 kg and is easily and quickly applied by hand or by hot sticks. The positive grip of the fitting on the conductor ensures that it remains in the applied position and cannot move along the span under vibration or wind action, and it will not in any way damage the conductor.

Visibility: The sphere increases the visibility profile of the cable or conductor to a degree necessary to ensure safety, in compliance with the current ICAO annex 14 Chapter 6.2.8.

Size: The sphere measures 600 mm in diameter.

Colour: Orange, white or orange and white.

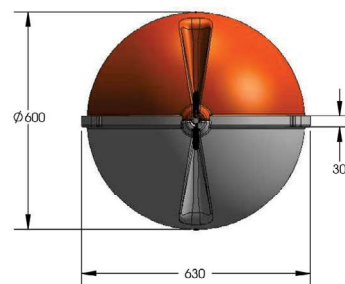
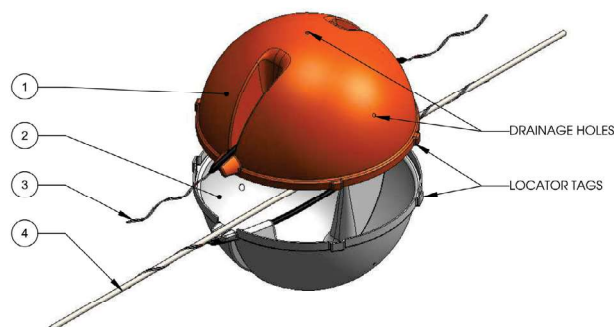
Spacing: Spacing distances are not critical and will depend upon local conditions. Since wind resistance is limited, sufficient fittings can be used to ensure adequate visibility without creating stresses on the line. When marking adjacent spans, overall visibility is improved by staggering the application. The general rule is to apply Warning Devices at 20 m intervals.

Standard Pack: Unless otherwise specified by customer, our standard packing is one Orange and one White sphere per carton.

Mass of Fitting: 3.7 kg

CATALOGUE NO. CONDUCTOR 600mm	DIAMETER RANGE (mm)
AWD 600-258/289	6.6 – 7.3
AWD 600-290/325	7.4 – 8.2
AWD 600-326/364	8.3 – 9.2
AWD 600-365/409	9.3 – 10.4
AWD 600-410/460	10.5 – 11.7
AWD 600-461/516	11.8 – 13.1
AWD 600-517/577	13.2 – 14.6
AWD 600-578/653	14.7 – 16.6
AWD 600-654/739	16.7 – 18.8
AWD 600-740/837	18.9 – 21.3
AWD 600-838/947	21.4 – 24.0

Please add colour code suffix to the part number as follows: "O" – Orange; "W" – White;
"OW" – Orange & White.



ITEM NO.	DESCRIPTION	MATERIAL	QTY
1	LLDPE Aircraft Warning Sphere (top)	LLDPE	1
2	LLDPE Aircraft Warning Sphere (bottom)	LLDPE	1
3	Helical Tie	ALU CLAD STEEL	2



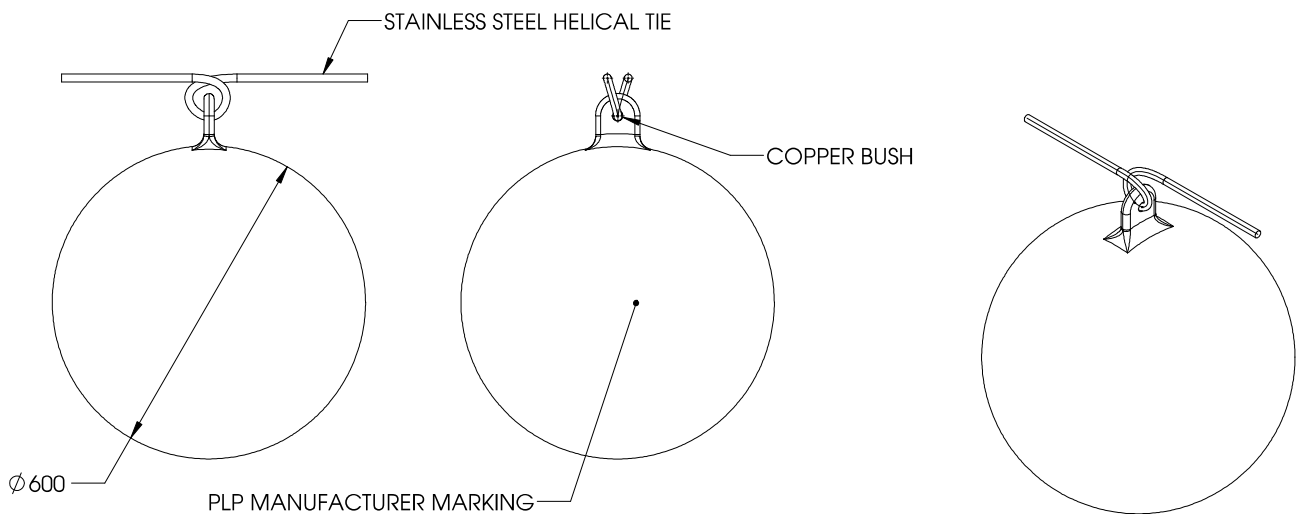
Aircraft Warning Device (Sphere)


**CATALOGUE NO.
CONDUCTOR**
**DIAMETER
RANGE (mm)**

AWD 20-278/315	7.0 – 8.0
AWD 20-316/357	8.0 – 9.1
AWD 20-358/405	9.2 – 10.2
AWD 20-406/459	10.3 – 11.6
AWD 20-460/520	11.7 – 13.2
AWD 20-521/588	13.23 – 14.9
AWD 20-668/755	16.9 – 19.2
AWD 20-756/858	19.2 – 21.8
AWD 20-856/968	21.7 – 24.6
AWD 20-969/1096	24.7 – 27.8
AWD 20-1097/1240	27.9 – 31.4
AWD 20-1241/1400	31.5 – 35.5
AWD 20-1401/1512	35 – 38.4

Please add colour code suffix to the part number as follows:

“O” – Orange; “W” – White; “OW” – Orange & White.


NOTES:

- Sphere material LDPE weather/ pollution resistant UV stabilised Orange and White
- Helical tie material Stainless Steel
- Bush material Copper
- Mass = 3.2kg