

WINDSOCK MAST

TECHNICAL INFORMATION

Windsock Mast Design Criteria

Pollite windsock masts have been developed to fully comply with the ICAO Annex 14 Vol 1 Wind direction Indicator requirements and the most recent frangibility stipulations detailed in ICAO Aerodrome Design Manual Part 6. In addition Pollite provide windsock masts that comply with the CAA's CAP168 and the FAA's AC 150/5345-27D type L-806 and 807 design criteria

All Pollite Windsock masts are manufactured from glassfibre and polyester resin, finished with a UV resistant gel coat that can be coloured to any aviation specification. Each pole has a unique break system incorporated within the main mast that has been fully tested and independently certified as frangibility compliant by a leading aviation testing house.

The windsock is attached to the mast by means of a lightweight mounting frame holding the throat of the windsock fully open. The frame and sock freely rotate around the mast using stainless steel roller bearings giving a clear indication of wind direction particularly in lighter wind conditions.

Standard Mast Heights:

Pollite manufacture a range of standard ICAO, FAA and CAA compliant mast heights including 1.8m, 3m, 4.8m, 6m and 7.5m however masts can be manufactured to any specific height and heights will vary depending on lighting arrangements if required.

Base Fixing

All Pollite windsock masts come complete with a unique hinged foot which allows for easier raising and lowering of the mast for servicing the lighting or windsock. Complete foundation and installation details are provided with all masts.

Advantages of a Pollite Glassfibre mast

- Maintenance Free Mast
- UV Resistant Gel Coat Finish
- Corrosion Free
- Temperature/Weather Resistant
- No electro magnetic interference
- Frangibility tested

Windsock Details

All windsocks are manufactured to meet ICAO requirements for size, material and colour. Client specific colours can be provided and all colours used are designed to give maximum contrast with their background.

Recommended Windsock Size

ICAO/CAA Standard

3600 mm (length) x 900mm (throat Dia.) Mast Height 6000mm

FAA (L-807) Standard

3600mm (length) x 900mm (throat Dia.) Mast Height 4800mm

FAA (L-806) Standard

2500mm (length) x 450mm (throat Dia.) Mast Height 3000mm (max)

Colour Options

ICAO Single Colour recommendations: Orange or White

ICAO Two Colour recommendations: Orange/White, Black/White or Red/White

All windsocks come complete with anti fray netting at the tip of the cone to increase the durability of the sock.

Windsock Lighting Options

For aerodromes that are used at night Pollite has available two types of lighting for windsocks;

Externally Lit

Our externally lit masts are engineered to provide the correct level of illumination as recommended by CAP 168 without causing unwanted glare.

Internally Lit

Our internally lit windsock is available in all standard windsock sizes. The internal lighting is mounted within the windsock throat section and uses the latest LED lighting technology for low maintenance and long bulb life.

Obstruction Light

All masts can be fitted with an obstruction light if required.

Pollite

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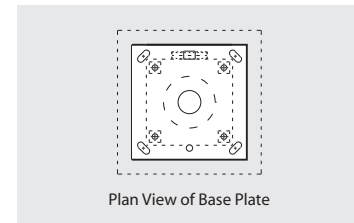
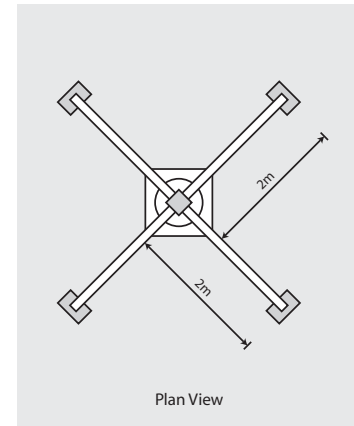
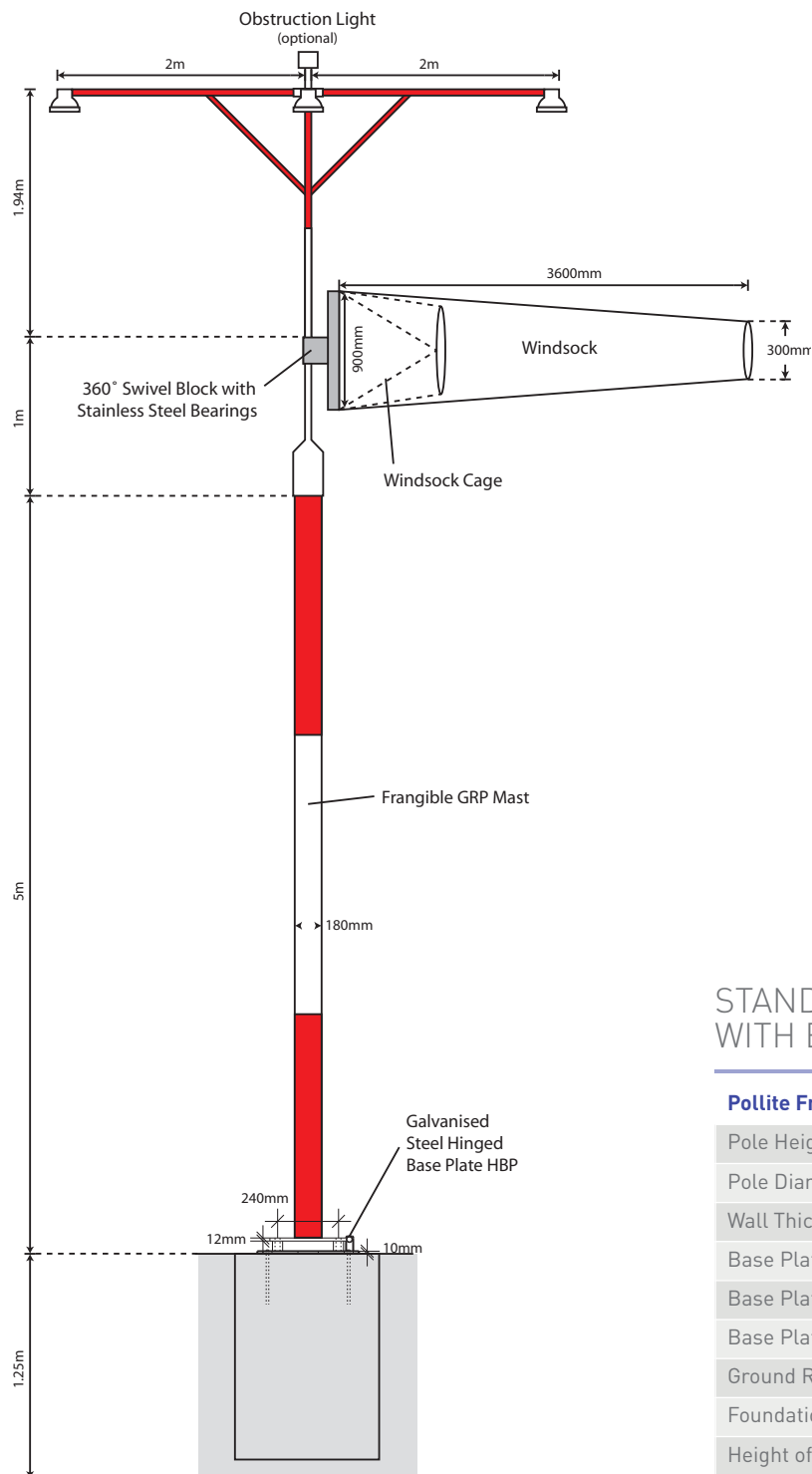
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WINDSOCK MAST

TECHNICAL DRAWING



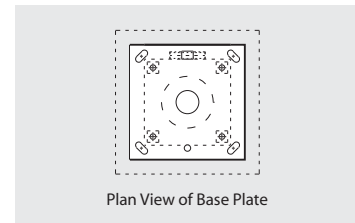
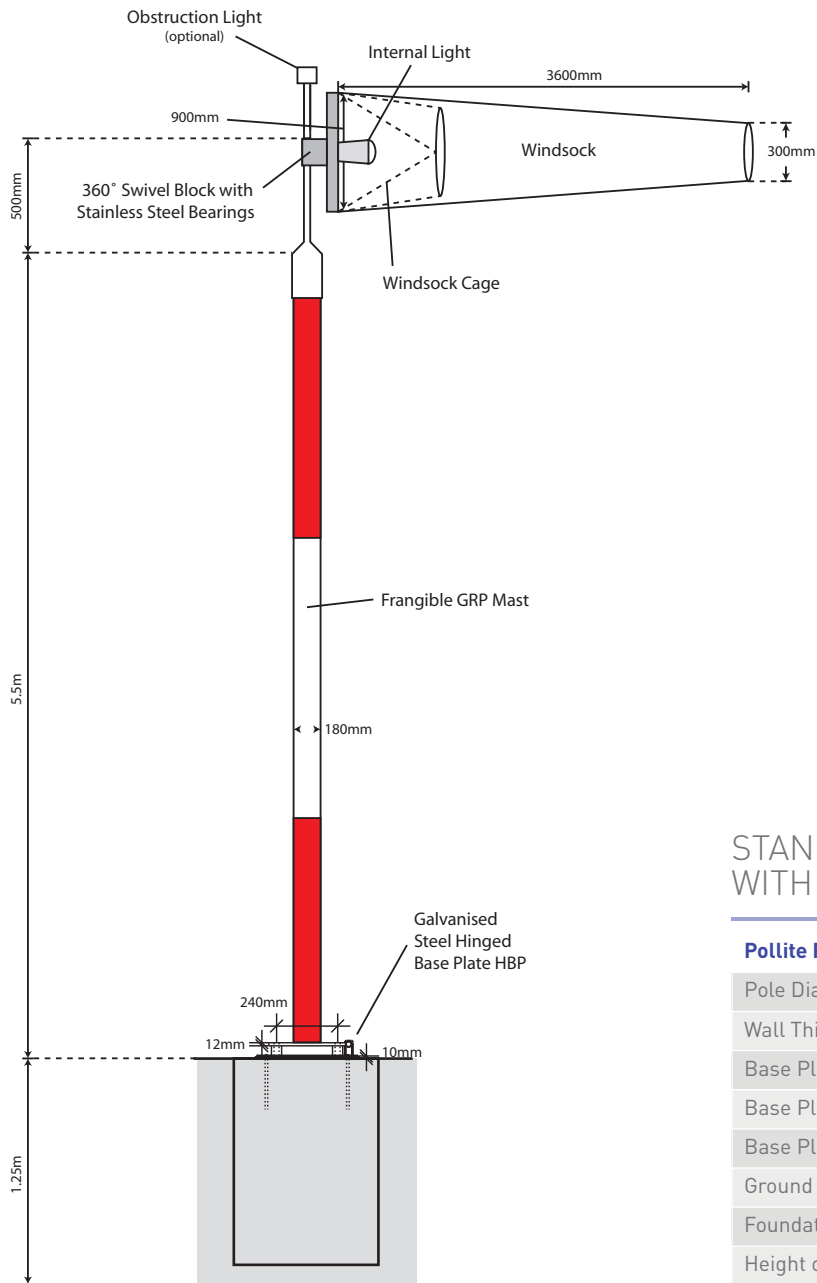
STANDARD WINDSOCK MAST WITH EXTERNAL LIGHTING

Pollite Frangible Windsock Masts	Millimetres
Pole Height	7940
Pole Diameter (at Base)	180
Wall Thickness	4
Base Plate Measurements	400x400
Base Plate Thickness	10
Base Plate Hole Centres	320x320
Ground Rod Length (Total)	500
Foundation Detail	650x650x1250
Height of Windsock above Ground	6000

Technical drawing is for illustration purposes only

WINDSOCK MAST

TECHNICAL DRAWING



STANDARD WINDSOCK MAST WITH INTERNAL LIGHTING

Pollite Frangible Windsock Masts	Millimetres
Pole Diameter (at Base)	180
Wall Thickness	4
Base Plate Measurements	400x400
Base Plate Thickness	10
Base Plate Hole Centres	320x320
Ground Rod Length (Total)	500
Foundation Detail	650x650x1250
Height of Windsock above Ground	6000

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