



WINDSOCK

TEF 9968 WINDSOCK

ARRANGEMENT

ZONE 1, ZONE 2 & SAFE AREA

USER MANUAL

Subject to change without prior notice TUM5090 REV. D 29.03.2021



IMPORTANT

Read this instruction carefully before installing the product



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TEF 9968 WINDSOCK ARRANGEMENT USER MANUAL

INTRODUCTION

Thank you for purchasing this product!
For installation, maintenance and assurance of a long life of this product, please follow this manual.

The windsock arrangement is designed for durability and minimum of maintenance. It is constructed of acid proof stainless steel, brass and maintenance-free ball bearings. The function of each windsock arrangement is tested before it leaves the factory.

MAINTENANCE INSTRUCTIONS

The product should be inspected according to Company routines. Control of the bearing and its housing should be a part of the inspection routine.

The fabric windsock has a limited lifetime, although produced by a well-known windsock manufacturer and from the best fabrics available, replacement of the windsock from time to time may be necessary.

APPLICATIONS

Wind indication on:

- Helicopter landing areas
- Airports
- Brigdes
- Highways

SAFETY PRECAUTIONS

Note that changes made to the product and/or installation of components which do not conform to the approval may be a safety violation. The manufacturer will under no circumstance be responsible for such activity. For your health and safety, always use safety gear suited for the task. Be certain to follow codes, regulations and/or specific procedures that are related to the installation.

The bearings must be tightened before installation. The windsock arrangement is lit by two TEF 2460 "Ex e mb op is" obstruction lights. They shall be maintained and treated according to document TUM5917 (user manual) and their ATEX and IECEx certificate.

CONTENT IN BOX

Fully assembled windsock arrangement.

TECHNICAL DATA

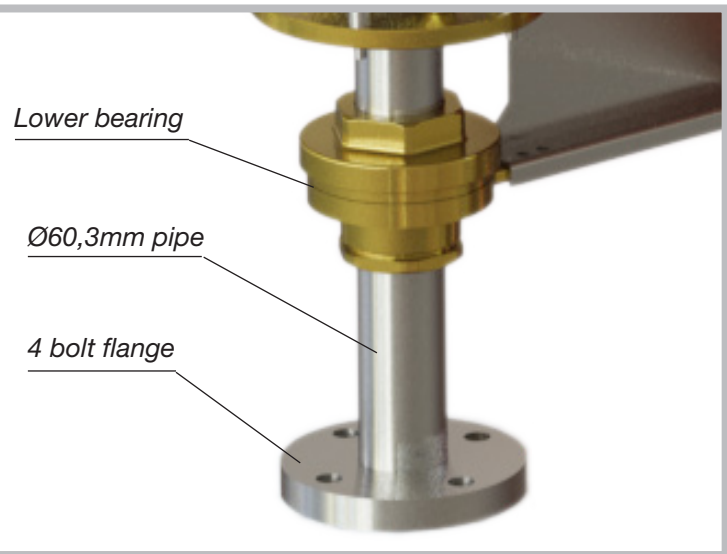
Housing:	Brass and Stainless steel (EN 1.4404), Polycarbonate dome on lamps.	
Input voltage:	24VDC +/- 30%	100-254V AC
Max power:	15 Watt	
IP-rating	IP66/67 (According to IEC 60529)	
Area of use:	For zone 1, 2 and safe area (Ex e mb op is IIC T5 Gb (ATEX and IECEx))	
Weight:	Approx. 50 Kg	
Tamb:	-52°C to +55°C	

INSTALLATION INSTRUCTIONS

The windsock arrangement is mounted with a 4-bolt flange on a 60,3mm pipe, with the power cable routed inside the pipe. To ensure free and easy rotation, make sure the flanges are perfectly horizontal, and that the pipe on which the bearings are mounted is vertical.

Control and tighten the bearings as part of the installation procedure.

The windsock is fastened by means of a rope. Spiral the rope through the eyelets and around the steel ring. Finally tie the ends of the rope together.



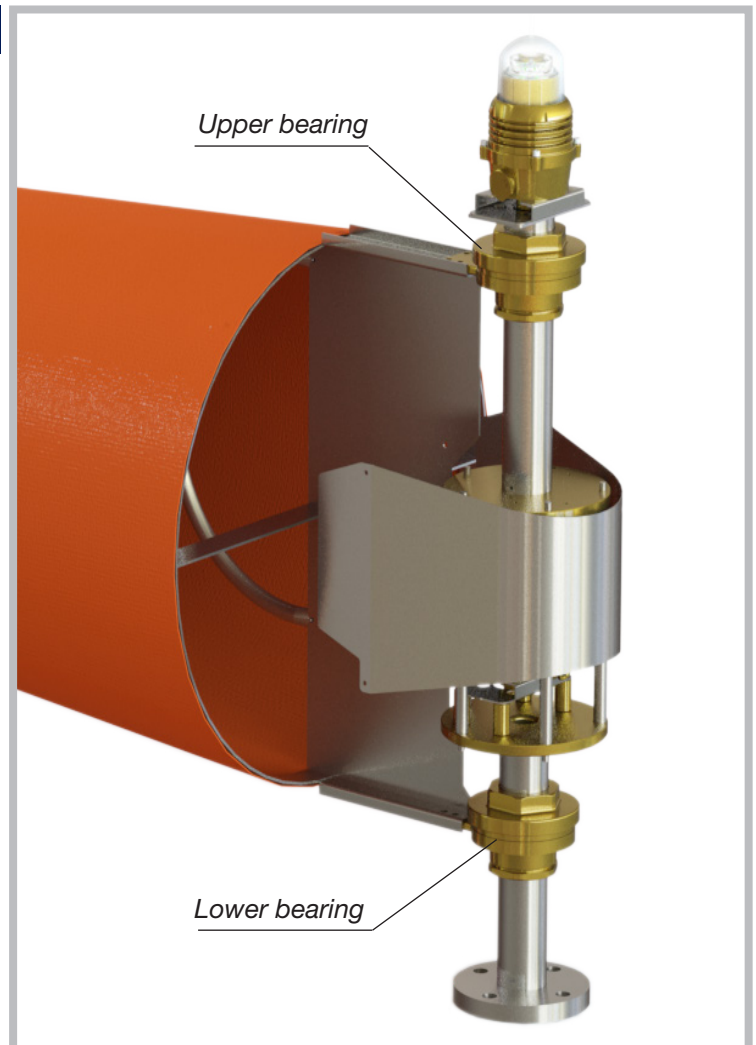
TROUBLESHOOTING

The windsock does not rotate:

- Make sure the windsock and wind-vane do not touch the brass plates.
- Check that the screen/reflector do not touch the same brass plates
- Check that the windsock arrangement is perfectly vertical.
- Check the bearings for water intrusion, ice, corrosion, contamination and similar
- Contact the supplier

There is no light (in the windsock or in the obstruction light):

- Check that there is no faults on the power distribution
- Check that the incoming cables are correctly connected in the lamps
- Contact the supplier



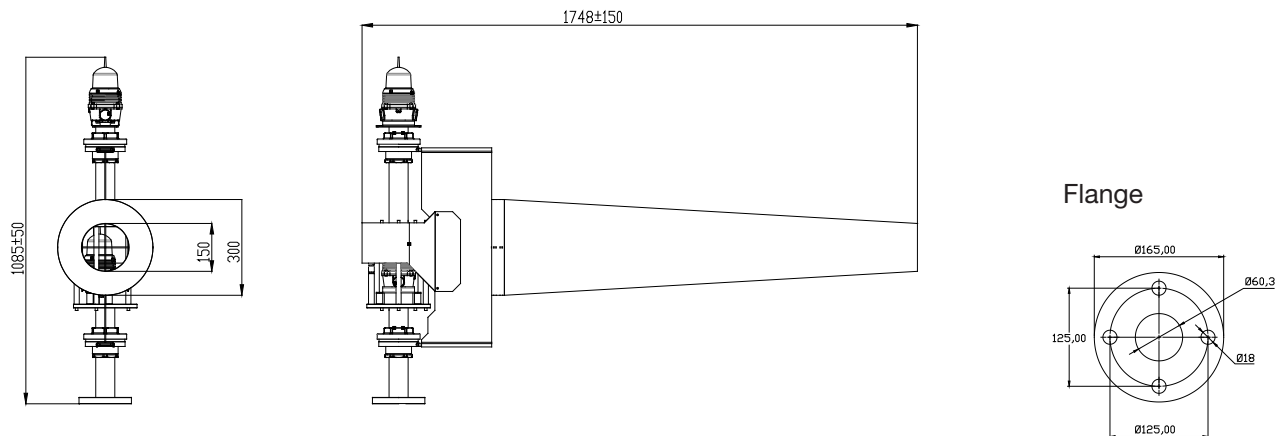
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SPARE PARTS

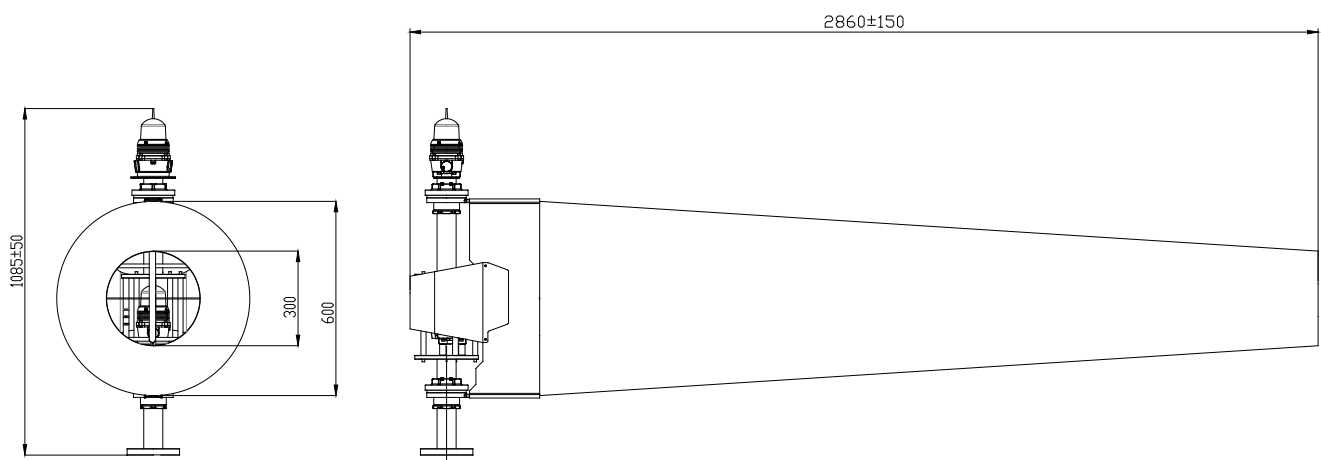
	Part No.
Windsock orange, $\varnothing=0,6\text{m}$, $L=2,4\text{m}$	7852 004
Windsock red/white, $\varnothing=0,6\text{m}$, $L=2,4\text{m}$	7852 005
Full bearing for windsock arrangement	7850 000
Flange for mounting on 60,3mm pipe. Max. $\varnothing=61\text{mm}$, complete with bolts and nuts	7852 007
Flange for welding to 60,3mm pipe, EN 1,4404, complete with bolts and nuts	7852 008
Windsock orange, $\varnothing=0,3\text{m}$, $L=1,3\text{m}$	7852 006
Power supply for 9968 200, 100-254V AC input, 24V DC output. Mounted in Junction box TEF 1058 3501.	7852 009

For safe area only. Contact Tranberg for availability for a zone 2 version.

DIMENSIONS



Windsock arrangement, ($\varnothing=0,3\text{m}$, $L=1,3\text{m}$)



Windsock arrangement, ($\varnothing=0,6\text{m}$, $L=2,4\text{m}$)