



## Summary

|                        |                 |
|------------------------|-----------------|
| <b>Industry:</b>       | Food and Drink  |
| <b>Application:</b>    | Fan Application |
| <b>Actual Saving:</b>  | £2,000          |
| <b>Payback Period:</b> | <12 months      |



## Revolvo Split Roller Bearings Rescue Fan Failure

Significantly reducing future maintenance costs and increasing productivity

### ISSUE

A customer in the pet food processing industry historically used pedestal units to support a 75mm shaft on an overhung fan application. When it came to changing the bearings it was necessary to remove the pulley drive mounted on the shaft and support the fan, whilst both bearing plunger blocks were changed out on routine maintenance schedules or breakdown. This prompted high costs for craneage to be delivered to site and approximately three days to change bearings and re-align both bearings and the pulley set.

### SOLUTION

Following a site visit by the local ERIKS service centre and a Bearing Application Engineer, a solution was offered by way of specifying a suitable 75mm Split Roller Bearing unit with a more effective and robust sealing arrangement to prevent ingress of dust and moisture during run time. The unit was able to support the existing bolt hole centres and base to centre height dimensions, thus removing the need for any further fabrication work - providing an additional cost saving.

Whilst the correct bearings were being specified the customer experienced a catastrophic failure on the fan which escalated the need to introduce the SRB units and fitting sooner.

Within a week of receiving the order, the bearings were despatched, delivered and commissioned by one of ERIKS SRB Engineers. Commissioning time was one day on site and a further day for re-alignment of the bearing and pulley set. Future bearing replacements will negate the need for re-alignment which will offer a significant saving in downtime and cost.

### OTHER BENEFITS

- Reduce Downtime
- Increased Productivity
- Sealing arrangement concentric to the shaft
- Increased Performance

### FURTHER COMMENTS...

The bearings have been running continuously 24/7 for two months with no issues. The customer is happy with the performance of the bearings against the previous bearings.

### MORE INFORMATION

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