

COOPER SPLIT ROLLER BEARINGS COMPANY LTD

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100 SERIES

# WHY SHOULD YOU CARE?

**The Cooper Bearings Group is always striving for continuous innovation, spurred by competition and the desire to provide our customers with constant productivity improvements and high value.**

**With competition growing within your industry and margins being continually squeezed, we understand that achieving performance gains and running existing equipment to its full potential is increasingly important for you to stay ahead. We know that you can't afford large amounts of machinery downtime, whether it's at scheduled maintenance times or through failures.**

**There is one proven answer to reducing production loss and overall machinery overheads. That is the use of split roller bearings.**

## YOUR PERFECT SOLUTION

Now, you may or may not already be using a Cooper split roller bearing, but either way our new product range, the 100 Series, may just be the answer you are looking for.

The new 100 Series not only offers the advantages of a Cooper split roller bearing; such as increased L10 life, superior sealing, cost savings, power savings and ease of assembly, but it is also more compact, allowing your machines to fit into a smaller footprint. As well as this it operates at a higher speed than any of the other Cooper series.

Boasting a high speed and compact design the 100 Series is ideal for a range of applications where both of these elements are important, from fans and blowers to material handling systems.

## A REAL ADVANTAGE IN SPEED

As you know, making machinery faster and more compact generally makes it cheaper.

A good example of this is electrical machinery. Moving from, say, 1800rpm to 3600rpm allows the machine to be smaller for the same power, with lower material costs, shorter machining times, simpler windings and so on. The machinery is also lighter to transport and install.

With increasingly large machines being made to operate at the higher speeds it has become more difficult (until now) to specify split roller bearings because the speed has become too high for the bearing size in question.

## BIGGER ISN'T ALWAYS BETTER

Compactness goes hand in hand with smaller, lighter machines, but is particularly important in some applications. A good example is a scroll conveyor, such as used in mining machinery, and to move grain, sugar and all manner of other products. Here, a bearing is typically placed in the middle of a scroll conveyor, in the moving of material. This bearing position causes an obstruction to the flow of the material. Through reducing the overall diameter of the housing, this shrinks the obstacle and allows a greater performance from an otherwise similar design of conveyor.

Of course there are plenty of solid bearings that are compact and high speed, but unfortunately they don't offer the other advantages of a split roller bearing.

## YOU'VE ALREADY DONE THE HARD WORK

So you've found us, now let us take the strain. Give one of our experienced engineers a call today to discuss your requirements and we can start to help to reduce your production costs.

And, even if the 100 Series isn't the answer to your problems, it is more than likely that we have another ready made solution that is. But if we don't, then we can make one... we produce bespoke solutions too you know. So, pick up the phone and call us on 757 460 0925, alternatively you can email [info@cooperbearings.com](mailto:info@cooperbearings.com).

If you'd like to know more about Cooper, then visit our website [www.cooperbearings.com](http://www.cooperbearings.com).

