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## **ROLLER BEARINGS/QUIZ**

February 18, 1999

Name:	
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A ball bearing is to be used on a shaft whose rotational speed is 60 revolutions-persecond and is to support a 600 pound radial load and a 400 pound thrust load. The bearing is to have a life of 5000 hours at a reliability of 99.9% and to fit on a shaft whose diameter is to be not less than 2.00 inch. Select the most economical radial ball bearing for this application using the Timken data.

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