



BSI Standards Publication

**Rolling bearings — Thrust needle roller  
and cage assemblies, thrust washers —  
Boundary dimensions, geometrical product  
specifications (GPS) and tolerance values**

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## National foreword

This British Standard is the UK implementation of ISO 3031:2021. It supersedes BS ISO 3031:2000, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee MCE/7, Rolling bearings.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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### Amendments/corrigenda issued since publication

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**Rolling bearings — Thrust needle  
roller and cage assemblies, thrust  
washers — Boundary dimensions,  
geometrical product specifications  
(GPS) and tolerance values**

*Roulements — Cages à aiguilles axiales et rondelles de butée —  
Dimensions d'encombrement, spécification géométrique des produits  
(GPS) et valeurs de tolérance*



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