

Pushing The Limits

High Performance Cage for
RN and RNG Linear Bearings



RN/RNG 3 to RN/RNG 6

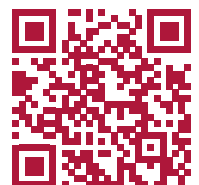
NEW

Load Capacity and Stiffness Increase: realize a remarkable load capacity increase of more than 25%.

Optimized Design: the cage and roller components have been optimized to their limits for enhanced performance.

Compatibility: Existing KBS/KBN can be replaced one-to-one with KCS/KCN.

Applications: Can be used wherever requirements for high stresses and precision encounter very small installation spaces, such as pick and place applications.



Free information
about our products

Technical info

Max. acceleration

300 m/s² with KS
50 m/s² without KS

Max. speed

1 m/s

Material cage

PEEK

Material pinion

POM

Operating Temperature

-40°C up to +80°C

Cleanroom

compatible

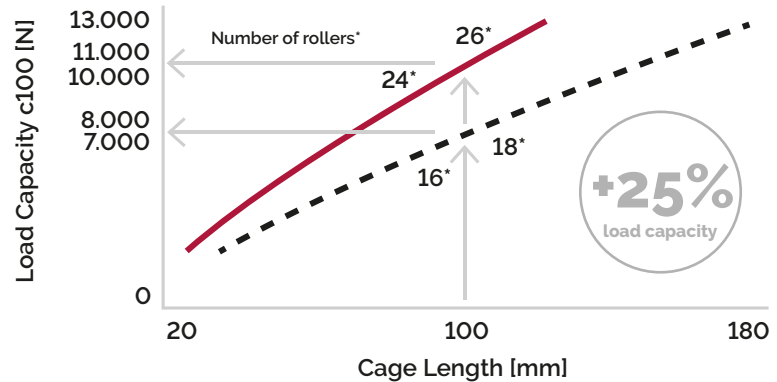
Vacuum

compatible up to
10⁻⁷ mbar

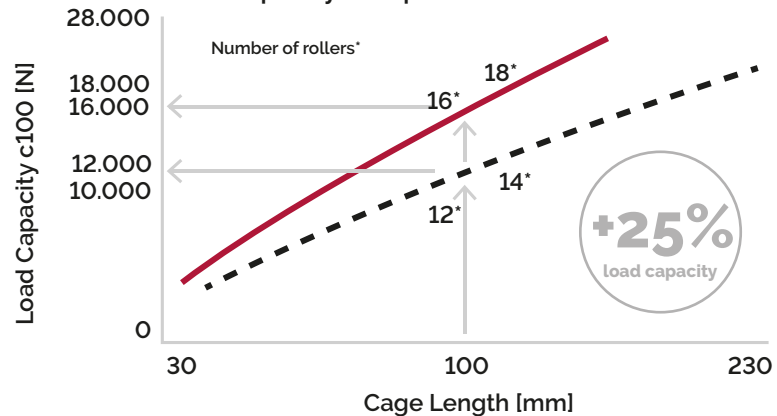
EXISTING
KBS

NEW
KCS

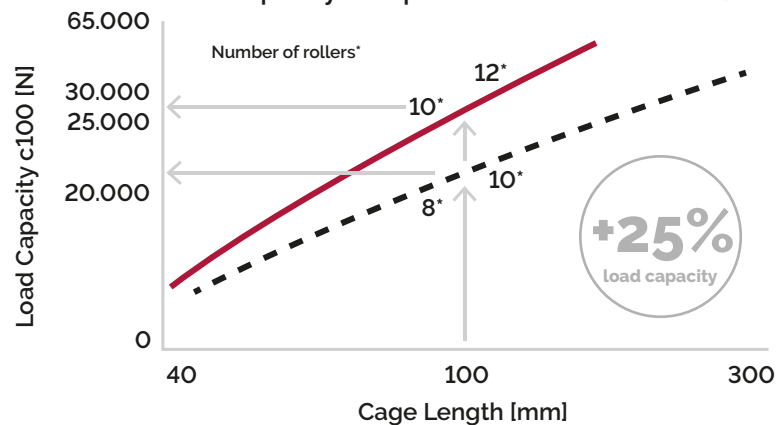
Load Capacity Comparison - KBS 3 vs. KCS 3 (ISO 14728)



Load Capacity Comparison - KBS 4 vs. KCS 4 (ISO 14728)



Load Capacity Comparison - KBS 6 vs. KCS 6 (ISO 14728)



- KCN** = High performance cage without cage control
- KCS** = High performance cage with cage control
- KBN** = Normal cage without cage control
- KBS** = Normal cage with cage control



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