



Image may differ from product. See specification for details.

## 1216 K/C3

### Self-aligning ball bearing with tapered bore

Self-aligning ball bearings, with a tapered bore, have two rows of balls, a common sphered raceway in the outer ring and two deep uninterrupted raceway grooves in the inner ring. They are insensitive to angular misalignment of the shaft relative to the housing, which can be caused, for example, by shaft deflection. The tapered bore facilitates ease of mounting via adapter sleeves or withdrawal sleeves.

- Ease of mounting via adapter sleeves or withdrawal sleeves
- Accommodate static and dynamic misalignment
- Excellent high-speed performance
- Excellent light load performance
- Low friction

# Overview

## Dimensions

Bore diameter	3.1496 in
Outside diameter	5.5118 in
Width	1.0236 in

## Performance

Basic dynamic load rating	8 925 lbf
Basic static load rating	3 822 lbf
Reference speed	9 500 r/min
Limiting speed	6 000 r/min

## Properties

Retaining feature, inner ring	None
Locating feature, bearing outer ring	Without
Number of rows	2
Bore type	Tapered 1:12
Cage	Sheet metal
Radial internal clearance	C3
Tolerance class	Normal
Material, bearing	Bearing steel
Coating	Without
Sealing	Without
Lubricant	None
Relubrication feature	Without
Indicative product carbon footprint to manufacture	13.016 lb CO <sub>2</sub> e

## Logistics

Product net weight	3.616 lb
eClass code	23-05-08-06
UNSPSC code	31171532

# Compatible products

## Recommended product

Adapter sleeve with KM lock nut and MB lock washer, metric dimensions	<a href="#">H 216</a>
Adapter sleeve with KM lock nut and MB lock washer, metric dimensions with inch bore	<a href="#">HA 216</a>
Adapter sleeve with KM lock nut and MB lock washer, metric dimensions with inch bore	<a href="#">HE 216</a>
Adapter sleeve with AN or N lock nut and W lock washer, inch dimensions	<a href="#">SNW 16X2.11/16</a>

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