

7316 BEN1P

Single row angular contact ball bearing

Single row angular contact ball bearings can accommodate radial and axial loads acting simultaneously, where the axial load acts in one direction only. They can operate at high speeds and, depending on the variant, even very high speeds. They are more suitable than deep groove ball bearings for supporting large axial forces acting in one direction.

- High-speed capability
- Accommodate relatively high radial loads and large unilateral axial loads



Overview

Dimensions

Bore diameter	80 mm
Outside diameter	170 mm
Width	39 mm
Contact angle	40 °

Performance

Basic dynamic load rating	135 kN
Basic static load rating	110 kN
Reference speed	5 000 r/min
Limiting speed	4 500 r/min

Properties

Contact type	Normal contact (two-point contact)
Number of rows	1
Locating feature, bearing outer ring	Locating slot
Ring type	One-piece inner and outer rings
Cage	Non-metallic
Universal matching bearing	No
Material, bearing	Bearing steel
Coating	Without
Sealing	Without

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