

6324/HC5C3S0VA970



Hybrid ceramic single row deep groove ball bearings for wind turbine generators are designed to meet the application requirements for electric generators in larger wind turbines. They have rings made of bearing steel and rolling elements made of bearing grade silicon nitride, which make the bearings electrically insulating. The ceramic rolling elements not only provide protection from electric current damage but also, when compared to same-sized bearings with steel rolling elements, provide enhanced bearing performance, extended bearing service life, higher speed capability, high wear-resistance, high bearing stiffness, reduced risk of smearing and false brinelling, and less sensitivity to temperature gradients, making them suitable for use in difficult conditions and contaminated environments.

- Ideal for use in electric generators of larger wind turbines
- Protected against electric current damage
- Especially suited for use in difficult conditions and contaminated environments
- Typical benefits of single row deep groove ball bearings

Dimensions	
Bore diameter	120 mm
Outside diameter	260 mm
Width	55 mm
Performance	
Basic dynamic load rating	165 kN
Basic static load rating	150 kN
Reference speed	6 300 r/min
Limiting speed	4 000 r/min
Properties	

Filling slots	Without
Number of rows	1
Locating feature, bearing outer ring	None
Bore type	Cylindrical
Cage	Sheet metal
Matched arrangement	No
Radial internal clearance	C3
Material, bearing	Hybrid (ceramic balls)
Coating	Without
Sealing	Without
Lubricant	None
Relubrication feature	Without
Logistics	
Product net weight	12.5 kg
eClass code	23-05-08-01
UNSPSC code	31171504