

ICOS-D1B05 TN9



ICOS oil-sealed bearing units provide oil retention while protecting against contamination. They consist of a single row deep groove ball bearing and a single-lip, spring-loaded NBR radial shaft seal on one side. They satisfy sealing requirements that exceed the capabilities of standard integral sealing solutions and, compared to external sealing solutions, need less axial space, can simplify mounting requirements and avoid expensive machining of shafts. They have slightly higher friction than standard sealed deep groove ball bearings. As with deep groove ball bearings generally, they are particularly versatile and are optimized for low noise and low vibration, which enables high rotational speeds. They accommodate radial and axial loads in both directions, are easy to mount, and require less maintenance than other bearing types.

- Ready-to-mount, oil-sealed bearing unit
- Spring-loaded radial shaft seal on one side of the bearingIntegral sealing prolongs bearing service life
- Typical benefits of single row deep groove ball bearings

Dimensions	
Bore diameter	25 mm
Outside diameter	52 mm
Width	17.2 mm
Performance	
Basic dynamic load rating	14.8 kN
Basic static load rating	7.8 kN
Limiting speed	7 700 r/min
AGA performance class	AGA Explorer
Properties	
Filling slots	Without

Number of rows	1
Locating feature, bearing outer ring	None
Bore type	Cylindrical
Cage	Non-metallic
Matched arrangement	No
Radial internal clearance	CN
Material, bearing	Bearing steel
Coating	Without
Sealing	NR Wave seal on one side (ICOS)
Sealing type	Contact
Lubricant	Grease
Relubrication feature	Without
Logistics	
Product net weight	0.133 kg
eClass code	23-05-08-01
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