

BALL BEARING UNITS

Bearing Units with Covers

NSK is the world's leading producer of deep groove ball bearings. Bearings units that are used in heavily contaminated environments where debris, abrasive dust and moisture are present, NSK offers bearing units with external dust covers. Furthermore, with Occupational Health and Safety (OSH) requirements being ever more an influence in the work place, NSK bearing unit with covers offer an easy economic solution to cover exposed shaft ends and projecting set screws.



Condition Description:

- ✓ Contamination
- ✓ Dust
- ✓ Water
- ✓ Occupational Safety

Product Features:

- Z-2** open steel plate cover with lip seal for through shaft
- ZM-2** closed steel plate cover for blind shaft
- Housings with prefix Z- will accept either open or closed cover
- Resilient against debris impact, fine or abrasive particles
- Coated for corrosion resistance

Product Benefits:

- Safety measure to protect harm from exposed rotating parts
- Additional protection of bearing seals from dust/moisture
- Further bearing protection from larger debris impact
- Covers can be mounted on surfaces other than bearing housings
- Grease-free clean environments, minimise grease leakage

Applications:

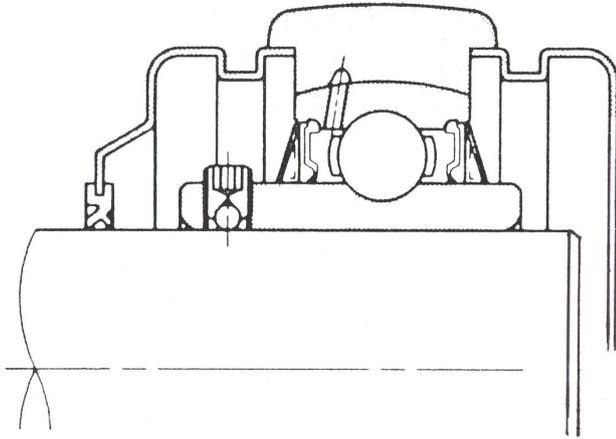
- Flour mill equipment
- Grain processing equipment
- Conveying equipment
- Steel mill equipment
- Agricultural machines
- Chemical plants

Z- UCP 206 D1

Open cover type —
 Bearing/housing type code —
 Bearing/housing series & bore code — Lubrication code

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NSK offers ball bearing units with external pressed steel dust covers. The dust cover and sealing mechanism provide extra protection for the ball bearing unit in heavily contaminated environments. Bearing units with dust covers can withstand the most severe environments in flour milling, steel making, foundries, galvanizing, and chemical plant applications. These units can also be used on outdoor equipment, such as construction, agriculture and transport machinery where dust and rain are inevitable.

The rubber seal of the cover contacts with the shaft by its two lips. By filling the groove between the two lips with grease, an excellent sealing effect is obtained and, at the same time, the contacting portions of the lips are lubricated. Furthermore the groove is so designed that when the shaft is inclined the rubber seal can move in the radial direction.

Insert Bearing	Pillow Block Housing	4-Bolt Flange Housing	2-Bolt Flange Housing	Open Cover	Closed Cover
UC204D1	Z-P204D1CO	Z-F204D1CO	Z-FL204D1CO	Z-204	ZM-204
UC205D1	Z-P205D1CO	Z-F205D1CO	Z-FL205D1CO	Z-205	ZM-205
UC206D1	Z-P206D1CO	Z-F206D1CO	Z-FL206D1CO	Z-206	ZM-206
UC207D1	Z-P207D1CO	Z-F207D1CO	Z-FL207D1CO	Z-207	ZM-207
UC208D1	Z-P208D1CO	Z-F208D1CO	Z-FL208D1CO	Z-208	ZM-208
UC209D1	Z-P209D1CO	Z-F209D1CO	Z-FL209D1CO	Z-209	ZM-209
UC210D1	Z-P210D1CO	Z-F210D1CO	Z-FL210D1CO	Z-210	ZM-210
UC211D1	Z-P211D1CO	Z-F211D1CO	-	Z-211	ZM-211
UC212D1	Z-P212D1CO	Z-F212D1CO	Z-FL212D1CO	Z-212	ZM-212
UC213D1	Z-P213D1CO	-	-	Z-213	ZM-213

* Subject to prior sale

Enquiries for other housing and insert combinations should be made with NSK

Only NSK housings with the prefix Z- can accept housing covers. For other housings to accept a housing cover it must have a rebate machined in the housing bore for the cover to snap into. Rebate dimensions and tolerances are available from NSK.

When bearing units are exposed to splashes of water rather than dust, a drain hole (5-8mm) is recommended to be drilled at the bottom position of the cover. Grease should be applied to the side of the bearing itself instead of into the cover.

Fitment of the housing cover without damage or deformation is best achieved by positioning the tip of the largest available flat tip screwdriver in the rolled corrugation of the end cover, and tap lightly with a hammer alternating from opposite sides.

For more information about NSK products, please contact:

www.nz.nsk.com