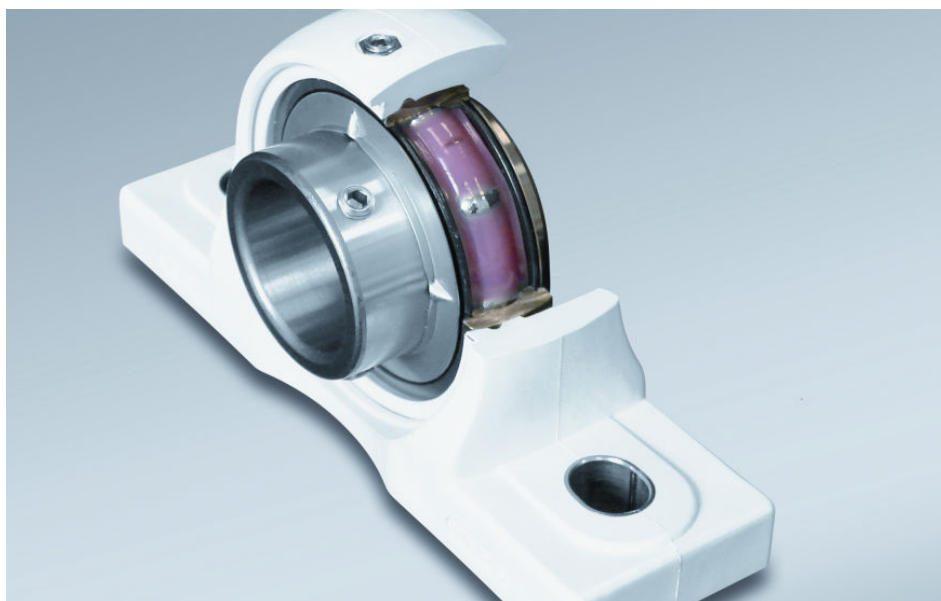


# BALL BEARING UNITS

## Life-Lube®

NSK is the world's leading producer of deep groove ball bearings. The Life-Lube® series combine the corrosion resistant properties of Silver-Lube® housings with the excellent sealing and lubricating properties of Molded-Oil™ inserts. Life-Lube® units are specifically for use in industries where contact with water and process fluids is unavoidable, excellent chemical resistance is required and a longer lubrication life is necessary.



### Condition Description:

- ✓ Water & Fluid process
- ✓ Contamination
- ✓ Chemical Contamination
- ✓ Clean-room

### Product Features:

- PBT thermoplastic resin housing; plastic end covers available
- Molded-Oil™ inserts (solid lubricant)
- High grade stainless steel insert bearing, grease nipple & bolt hole liners
- Molded-Oil™ inserts available in standard bearing steel
- Nitrile rubber seals with stainless steel core
- Bore size 20mm – 40mm in four different housing geometries

### Product Benefits:

- Resistant to cleaning agents & chemicals
- Long life / low cost of ownership
- Superior resistance to regular wash down and chemical attack
- Ideal for operations where fluid process is unavoidable
- No need for re-lubrication
- Grease-free clean environments, no grease leakage

### Applications:

- Conveyor (Material Handling)
- Food Processing
- Chemical Processing
- Fishery Equipment

**P | NP | 25 | LP99**

Plastic Housing  
 Housing Type  
 Bearing bore code

Molded-Oil™  
 Lubrication system

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Life-Lube® units are available in pillow block, two-bolt flange, four-bolt flange and take-up unit configurations and are capable of accommodating initial misalignment from mounting errors. In operation, the units have proven reliability in the most hostile applications.

Life-Lube® housings are made from PBT thermoplastic resins which, in addition to being non-corrodible, are resistant to detergents and a wide range of chemicals. The housings are paint and coating free which prevents chipping and flaking and have smooth surfaces to assist in wash downs.

Life-Lube® bearing inserts are made from stainless steel which provides superior corrosion resistance. The inserts are lubricated with NSK's own oil impregnated polymer, Molded-Oil™. Oil slowly seeping from this material provides ample lubrication for the bearing for extended periods. The Molded-Oil™ solid lubricant resists contamination and water washout and does away with the need for re-lubrication. Stainless steel flingers, set screws and nitrile rubber seals are fitted as standard. Additionally, Molded-Oil™ inserts are available in standard bearing steel.



Shaft Size (mm)	Molded-Oil™ Stainless Steel Bearing	Molded-Oil™ Bearing Steel Bearing	Pillow Block Housing	4-bolt Flange Housing	2-Bolt Flange Housing	Take-up Housing
20	F-UC204/LP99	UC204/LP99	PNP2HTP	PSF2HTP	PSFT2HTP	PST2HTP
25	F-UC205/LP99	UC205/LP99	PNP3HTP	PSF3HTP	PSFT3HTP+42	PST3HTP
30	F-UC206/LP99	UC206/LP99	PNP4HTP	PSF4HTP	PSFT4HTP+42	PST4HTP
35	F-UC207/LP99	UC207/LP99	PNP5HTP	PSF5HTP	PSFT5HTP	PST5HTP
40	F-UC208/LP99	UC208/LP99	PNP6HTP	PSF6HTP	PSFT6HTP	PST6HTP
45	F-UC209/LP99	UC209/LP99	-	-	-	-
50	F-UC210/LP99	UC210/LP99	-	-	-	-

Molded-Oil™ bearing inserts are recommended to operate from -15 to +80°C. However, operating temperature should be below +60°C when the bearing is operated under continuous use.

For more information about NSK products, please contact:

[www.nz.nsk.com](http://www.nz.nsk.com)