

Electrical Bypass Plate (EBP)

NSK

High-Performance Conductive Solution with Space –Saving
for Electrical Corrosion and EMC countermeasures

New Products

Early Prototype



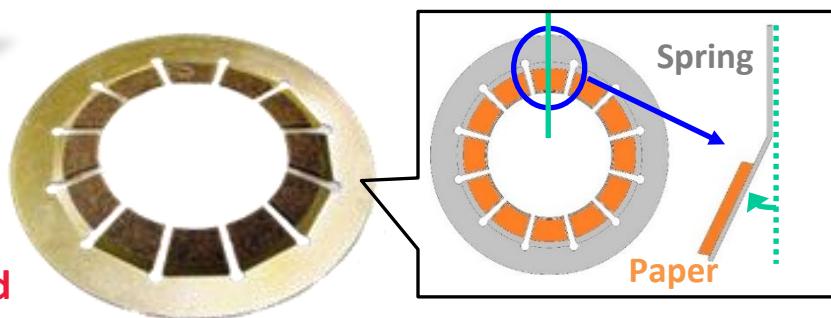
Product Structure

Diaphragm Spring

+

Conductive paper

Our newly developed



Features

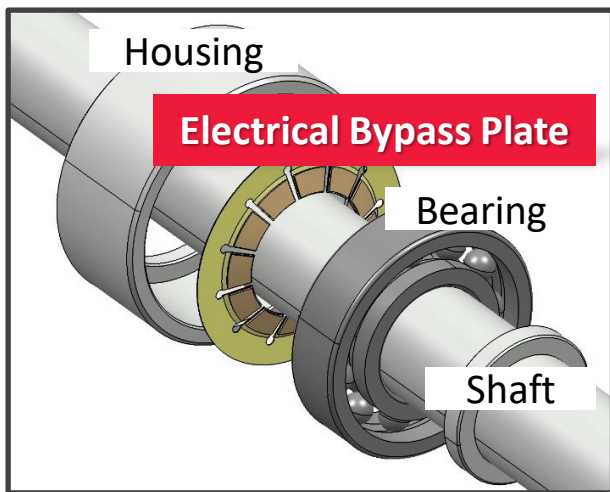
- ✓ High-Performance: Conductivity × Durability
- ✓ Space-Saving (Axial Space ≤ 0.3 mm)
- ✓ Easy Installation
(Just Place Between Housing and Bearing)
- ✓ Oil-lubrication compatible

Dry-environment compatible product
also under development.

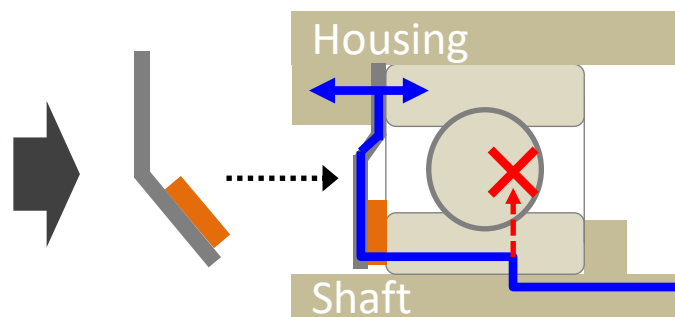
Why NSK ?

New product “conducting electricity” utilizing paper technology from automotive friction materials.

How to use



- Placed Between Housing and Bearing
- Paper Contacts Inner Ring via Spring Force



Current passes through EBP

→ prevents electrical corrosion