



Bearings

BCA is your complete aftermarket partner.

Bearing Corporation of America (BCA), founded in Lancaster, Pennsylvania in 1897, has been providing bearing solutions to our customers for over a century. BCA got its start manufacturing precision-engineered bearings for the emerging auto & truck industries before becoming a supplier to leading OEMs. NTN purchased BCA in 1996 and it is now a global manufacturer of wheel hub assemblies and bearings.

BCA knows that you need bearings for a breadth of applications, and not just for automotive. Our comprehensive premium-quality bearing line is designed to provide extensive coverage for a wide range of industries including agriculture, medium-duty and automotive.

TAPERED ROLLER BEARINGS

- Case-carburized rollers and raceways for 40% longer life compared to through-hardened products
- Specially designed for high axial, radial and combined load capacities

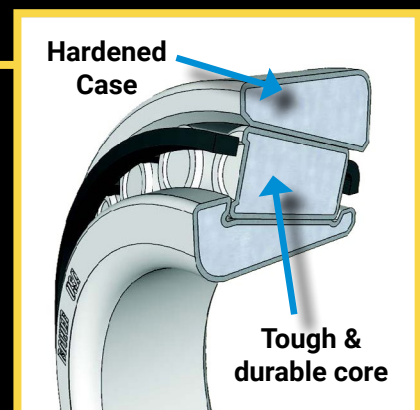
Common Applications:

Transmissions, engines, differentials, wheel end, transfer cases



WHAT IS CASE CARBURIZATION AND WHY IS IT CRITICAL?

The case carburization process creates bearings with a hard, wear-resistant outer shell and a tough, ductile core. The tough outer shell helps protect the rolling elements from debris, while the ductile core allows the bearing to both absorb increased shock loading and operate under misalignment without failing. These traits are critical in agriculture and heavy-duty applications, in which bearings are forced to operate in heavily contaminated environments.



BALL BEARINGS

- 52100 steel creates excellent hardness qualities for resistance against deformation and wear
- Wide range of shield, seal and size configurations for any application

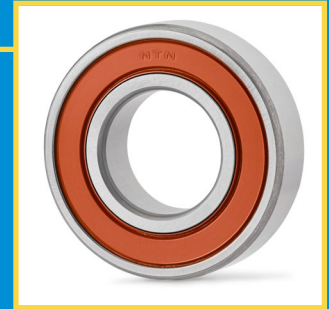
Common Applications:
Alternators, transmissions, engines, transfer cases



CLUTCH PILOT BEARINGS

- High-quality construction ensures smooth and reliable shift quality, extending transmission and clutch life
- High-quality steel provides anti-friction alignment allowing for efficient power transfer and reduced shifting times in high-speed settings

Common Applications:
Transmissions



CLUTCH RELEASE BEARINGS

- Decrease friction between the clutch release fork and the clutch pressure plate levers, allowing for smooth, noise-free disengagement of power from the engine to the transmission, extending service life
- High-strength steel construction and high-quality bearings allow for trouble-free operations under all loads

Common Applications:
Transmissions



CENTER SUPPORT BEARINGS

- Pre-lubricated and sealed bearing inserts prevent grease leakage while keeping moisture and contaminants out
- High-quality rubber cushions absorb and isolate vibrations helping to extend bearing life
- Cold-rolled steel construction increases strength and durability while a corrosion-resistant coating protects from environmental elements

Common Applications:
Driveshafts

