Emerson Bearing
Service.   Inventory.   Solutions.

The table compares the performance of different bearing types with regard to load, accuracy, speed, noise and friction.

Bearing type		Radial load	Axial load	Compensation of misalignment	Accuracy	High speed	Low noise	Low friction
Deep groove ball bearing		Good	Normal	Normal	Normal	Very good	Very good	Very good
Single row angular contact ball bearing		Good	Good (in one direction)	Unsuitable	Normal	Very good	Good	Good
Spindle bearing		Good	Good (in one direction)	Unsuitable	Very good	Very good	Very good	Very good
Cylindrical roller bearing with cage		Very good	Unsuitable ... good *)	Sufficient	Good	Good	Sufficient	Good
Tapered roller bearing		Very good	Very good (in one direction)	Sufficient	Sufficient	Normal	Good	Good
Spherical roller bearing		Very good	Good	Very good	Unsuitable	Normal	Sufficient	Good
Axial spherical roller bearing		Sufficient	Very good (in one direction)	Very good	Unsuitable	Good	Sufficient	Unsuitable
Plain bearing		Very good	Sufficient	Normal	Sufficient	Good	Normal	Sufficient

*) N and NU design: Unsuitable, NUP design: Good, NJ design: Good (in one direction)