



BEARING SERIES

Common Industrial Bearings and Their Applications

Bearing Type	Bearing Size/Series	Bore (mm)	OD (mm)	Width (mm)	Recommended Application
Deep Groove Ball Bearing	6203	17	40	12	Small electric motors, pumps
Deep Groove Ball Bearing	6204	20	47	14	Light-duty motors, fans
Deep Groove Ball Bearing	6205	25	52	15	3 kW motors, pumps
Deep Groove Ball Bearing	6206	30	62	16	Industrial motors, gearboxes
Deep Groove Ball Bearing	6207	35	72	17	Medium-duty pumps
Deep Groove Ball Bearing	6208	40	80	18	Compressors, larger motors
Deep Groove Ball Bearing	6209	45	85	19	Industrial pumps
Deep Groove Ball Bearing	6210	50	90	20	Heavy-duty electric motors

These are the bearings most frequently used in electric motors, centrifugal pumps, conveyors, fans, compressors, and general industrial machinery.

Bearing Type	Bearing Size/Series	Bore (mm)	OD (mm)	Width (mm)	Recommended Application
Deep Groove Ball Bearing	6212	60	110	22	Large pumps and drives
Deep Groove Ball Bearing	6214	70	125	24	Process plant equipment
Self-Aligning Ball Bearing	1205	25	52	15	Shafts with misalignment
Self-Aligning Ball Bearing	1208	40	80	18	Conveyors, agricultural machinery
Angular Contact Bearing	7205	25	52	15	Pumps, machine tools
Angular Contact Bearing	7208	40	80	18	High-speed motors
Taper Roller Bearing	30205	25	52	16.25	Wheel hubs, gearboxes
Taper Roller Bearing	30208	40	80	19.75	Heavy machinery
Spherical Roller Bearing	22208	40	80	23	Mining equipment
Spherical Roller Bearing	22212	60	110	28	Crushers, conveyors
Cylindrical Roller Bearing	NU208	40	80	18	Electric motors, generators
Cylindrical Roller Bearing	NU212	60	110	22	Heavy industrial drives

Common Bearings Used in Electric Motors

Motor Power	Drive End Bearing	Non-Drive End Bearing
0.37–1.1 kW	6202	6202
1.5–3 kW	6205	6205
4–5.5 kW	6206	6206
7.5–11 kW	6208	6208
15–22 kW	6210	6210
30–37 kW	6212	6212
45–55 kW	6214	6214
75–132 kW	6316	6316