



- (A) — low wear region, no external lubrication required
- (B) — low wear region, initial external lubrication recommended
- (C) — feasible for Oilon with testing. External lubrication required.

Fig. 3-3

3.7 Conclusion

Plastic and nonmetallic bearings are widely used in appliances, toys, general machinery and applications ranging from cameras and toys to office machinery and automobiles. When properly designed, their light weight and economy can be highly attractive.

Calculations of bearing loads, as shown in the example, are also applicable on plastic and nonmetallic bearings.

EQUIVALENT PRECISION CLASSES OF DIFFERENT STANDARDS

ABEC	RBEC	ISO	DIN
1	1	0	Normal
3	3	6	P6
5	5	5	P5
7	None	4	P4

ABEC — Anti-Friction Bearing Manufacturers Association (Ball Bearings)

RBEC — Anti-Friction Bearing Manufacturers Association (Roller Bearings)

ISO — International Organization for Standardization

DIN — Deutsche Industrie Normen