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[4]

- (i) Deep groove ball bearing (ii) Taper roller bearing  
(iii) Thrust collar bearing (iv) Needle roller bearing

(A) Application of bearings:

(i) Deep Groove Ball bearing :

**Application:** Electric Motor.

**Reason:** Capacity to take heavily axial load with high rotational speed.

(ii) Taper roller bearing

**Application:** axle housing of automobile.

**Reason:** ability to take high radial load as well as thrust load.

(iii) Thrust collar bearing :

**Application:** Clutch of automobile.

**Reason:** ability to combine radial & axial load with min. speed.

(iv) Needle roller bearing :

**Application:** Differential of automobile

**Reason:** takes less radial space. it has high radial load carrying capacity.

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VidyalanKar