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| 11-2  An angular-contact, inner ring rotating, **02-series ball bearing** is required for an application in which the life requirement is **40 kh at 520 rev/min**. The design radial load is **725 lbf.** The **application factor is 1.4.** The **reliability** **goal is 0.90**. Find the multiple of **rating life *xD***required and the **catalog rating *C*10** with which to **enter Table 11–2.** Choose a bearing and estimate the existing reliability in service.      kh  “The single-row deep-groove bearing will **take radial load** as well as some thrust load.” |  |

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| 11-3 |  |

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| 11-4 |  |