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3-2 Body AB: $\sum F_x = R_x - B_x = 0$ $\sum F_y = R_y - B_y = 0$

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23 32226 lbf $W_r = F_b = 662$ lbf $R_{CD} = 662 / 2 = 331$ lbf. Shigley's MED, 10th edition Chapter 13 Solutions, Page 18/36. Each bearing on shaft b has the same radial load which is equal to the radial load of bearings A and B. Thus, all four bearings have the same radial load of 331 lbf.

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